QUARTER 4, 2024
FENCELINE MONITORING REPORT FOR THE CITGO SOUTH PORTLAND MAINE TERMINAL

Prepared For:
CITGO Petroleum Corporation

293 Eldridge Parkway
Houston, TX 77077

PO Box 655
Pennsauken, NJ 07719

Facility:
CITGO Petroleum Corporation
102 Mechanic Street
South Portland, ME 04106

Prepared By:
Montrose Air Quality Services LLC
45 Route 46 East, Suite 601
Pine Brook, NJ 07058

Report Number: **047AA-031602-RT-698**
Date: **February 3, 2025**
Revision 1: **February 12, 2025**

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Flags:	ND	The analyte was not present above the Method Detection Limit
	J	Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit
	P	Field duplicate(s) exceed 30%RPD
	Pc	Field duplicate(s) exceed 30%RPD. Concentrations of both samples in duplicate are near the reporting limit

Sample Code	Tube ID	Benzene		Ethylbenzene		m-/p-Xylene		o-Xylene		Toluene	
		(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag
CGOSP-1-S-20240924	B52748	1.780		1.640		4.920		1.720		6.960	
CGOSP-2-S-20240924	B35911	1.260		0.793		2.360		0.898		4.020	
CGOSP-3-S-20240924	C53632	1.540		1.020		3.530		1.270		5.380	
CGOSP-3-D-20240924	B14962	1.830		1.050		3.180		1.150		5.570	
CGOSP-3-B-20240924	C35844	0.189	ND	0.276	ND	0.276	ND	0.276	ND	0.335	J
CGOSP-4-S-20240924	B27251	2.030		1.420		3.840		1.480		6.770	
CGOSP-5-S-20240924	C53588	2.350		1.610		5.300		1.930		7.690	
CGOSP-6-S-20240924	B52683	2.660		1.500		4.610		1.610		7.480	
CGOSP-7-S-20240924	B50855	3.090		1.650		5.420		1.960		9.430	
CGOSP-8-S-20240924	C43872	3.170		1.510		5.400		1.930		9.340	
CGOSP-9-S-20240924	B49539	2.900		1.390		4.810		1.820		8.710	
CGOSP-9-D-20240924	B47130	2.950		1.250		4.260		1.550		8.390	
CGOSP-9-B-20240924	B51065	0.231	J	0.276	ND	0.276	ND	0.276	ND	0.569	
CGOSP-10-S-20240924	C37469	2.090		1.090		3.510		1.260		6.180	
CGOSP-11-S-20240924	B52796	2.280		1.330		3.940		1.480		6.990	
CGOSP-12-S-20240924	C17166	1.810		0.957		3.220		1.200		5.680	
CGOSP-13-S-20240924	B34757	1.850		1.160		3.240		1.200		5.360	
CGOSP-14-S-20240924	B22063	2.210		1.440		4.240		1.570		6.390	
CGOSP-15-S-20240924	C53638	2.520		1.560		5.300		1.920		8.080	
CGOSP-16-S-20240924	B35451	2.960		2.040		6.620		2.530		11.900	
CGOSP-17-S-20240924	B43733	3.220		2.230		6.700		2.520		12.900	
CGOSP-18-S-20240924	C43859	3.170		2.170		7.740		2.740		13.800	
CGOSP-1-S-20241008	C32946	1.550		0.872		2.860		0.990		5.340	
CGOSP-2-S-20241008	B35687	1.390		1.100		2.510		0.907		4.790	
CGOSP-3-S-20241008	B35553	1.900		1.250		4.030		1.490		6.750	
CGOSP-3-D-20241008	C53646	1.870		1.160		4.100		1.520		6.550	
CGOSP-3-B-20241008	B14849	0.385	J	0.276	ND	0.276	ND	0.276	ND	1.060	
CGOSP-4-S-20241008	C43885	2.510		1.670		5.520		1.920		9.120	
CGOSP-5-S-20241008	B44190	3.550		2.490		7.440		2.850		11.900	
CGOSP-6-S-20241008	B46139	3.470		2.720		7.960		2.920		12.500	
CGOSP-7-S-20241008	B35493	3.580		2.400		7.490		2.740		12.400	
CGOSP-8-S-20241008	C01501	4.480		2.420		8.110		2.870		14.400	
CGOSP-9-S-20241008	C35705	3.140		1.570		5.470		1.990		10.000	

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Flags:	ND	The analyte was not present above the Method Detection Limit
	J	Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit
	P	Field duplicate(s) exceed 30%RPD
	Pc	Field duplicate(s) exceed 30%RPD. Concentrations of both samples in duplicate are near the reporting limit

Sample Code	Tube ID	Benzene		Ethylbenzene		m-/p-Xylene		o-Xylene		Toluene	
		(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag
CGOSP-9-D-20241008	C31405	3.390		1.920		6.480		2.280		10.800	
CGOSP-9-B-20241008	C37016	0.190	ND	0.276	ND	0.276	ND	0.276	ND	0.245	ND
CGOSP-10-S-20241008	C38955	2.040		1.200		4.330		1.480		6.950	
CGOSP-11-S-20241008	C35897	1.510		0.921		3.260		1.150		4.780	
CGOSP-12-S-20241008	B45048	1.550		0.879		2.810		1.040		5.670	
CGOSP-13-S-20241008	C01822	1.410		1.030		2.900		1.130		4.560	
CGOSP-14-S-20241008	B27341	1.400		1.130		2.970		1.100		5.030	
CGOSP-15-S-20241008	B50943	1.440		0.854		2.640		0.902		4.490	
CGOSP-16-S-20241008	C36943	1.520		0.882		2.960		1.140		5.460	
CGOSP-17-S-20241008	C43365	1.410		0.780		2.890		1.030		4.910	
CGOSP-18-S-20241008	C24223	1.830		1.150		3.640		1.400		6.980	
CGOSP-1-S-20241022	B35504	2.030		1.300	P	4.050		1.670	P	9.040	
CGOSP-2-S-20241022	C38907	1.500		0.745	P	2.130		0.771	P	7.050	
CGOSP-3-S-20241022	B34557	2.460		1.580	P	3.220		1.290	P	12.600	
CGOSP-3-D-20241022	C00835	2.360		1.370	P	4.330		1.840	P	10.100	
CGOSP-3-B-20241022	C40166	0.189	ND	0.276	ND,P	0.276	ND	0.276	ND,P	0.584	
CGOSP-4-S-20241022	B43900	3.010		1.910	P	6.050		2.200	P	11.400	
CGOSP-5-S-20241022	B18327	3.210		2.300	P	6.740		2.370	P	15.200	
CGOSP-6-S-20241022	B43035	2.860		1.920	P	5.630		2.140	P	11.200	
CGOSP-7-S-20241022	C40642	2.770		1.770	P	5.660		2.170	P	11.700	
CGOSP-8-S-20241022	C17127	3.060		2.100	P	5.170		1.970	P	13.100	
CGOSP-9-S-20241022	B32880	2.720		1.660	P	4.970		1.860	P	11.600	
CGOSP-9-D-20241022	B33539	2.990		2.350	P	6.100		2.100	P	14.900	
CGOSP-9-B-20241022	B46217	0.189	ND	0.276	ND,P	0.276	ND	0.276	ND,P	1.010	
CGOSP-10-S-20241022	C37008	3.100		2.190	P	6.200		2.270	P	13.600	
CGOSP-11-S-20241022	B50625	2.020		1.390	P	4.220		1.410	P	9.150	
CGOSP-12-S-20241022	B49412	1.820		1.500	P	4.280		1.940	P	8.740	
CGOSP-13-S-20241022	C33485	1.890		1.290	P	4.390		1.580	P	10.600	
CGOSP-14-S-20241022	B50657	2.030		1.190	P	3.360		1.260	P	8.570	
CGOSP-15-S-20241022	C00652	1.910		1.200	P	3.710		1.440	P	9.240	
CGOSP-16-S-20241022	C17176	1.260		1.170	P	2.870		1.210	P	5.980	
CGOSP-17-S-20241022	B46216	1.430		0.929	P	2.710		1.070	P	7.210	
CGOSP-18-S-20241022	B19741	2.730		1.410	P	4.000		1.590	P	11.600	

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Flags:	ND	The analyte was not present above the Method Detection Limit
	J	Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit
	P	Field duplicate(s) exceed 30%RPD
	Pc	Field duplicate(s) exceed 30%RPD. Concentrations of both samples in duplicate are near the reporting limit

Sample Code	Tube ID	Benzene		Ethylbenzene		m-/p-Xylene		o-Xylene		Toluene	
		(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag
CGOSP-1-S-20241105	B32853	1.790		2.310		8.330		2.940		27.400	
CGOSP-2-S-20241105	B47083	1.490		0.815		2.720		0.964		26.700	
CGOSP-3-S-20241105	B27291	2.410		2.790		8.230		3.040		31.200	
CGOSP-3-D-20241105	C40662	2.430		2.350		7.860		2.740		35.200	
CGOSP-3-B-20241105	B49489	0.191	ND	0.278	ND	0.278	ND	0.278	ND	0.955	
CGOSP-4-S-20241105	B43057	2.580		2.710		8.970		3.250		26.600	
CGOSP-5-S-20241105	B52822	2.740		1.870		6.340		2.110		27.900	
CGOSP-6-S-20241105	B31388	2.470		3.040		9.960		3.530		28.700	
CGOSP-7-S-20241105	B20281	2.570		2.620		8.480		3.160		30.800	
CGOSP-8-S-20241105	C00593	3.090		1.950		6.350		2.200		28.400	
CGOSP-9-S-20241105	C53701	3.590		2.270		7.710		2.600		31.300	
CGOSP-9-D-20241105	B46187	3.460		2.120		6.950		2.400		24.500	
CGOSP-9-B-20241105	B38537	0.191	ND	0.278	ND	0.278	ND	0.278	ND	0.300	J
CGOSP-10-S-20241105	B53234	2.770		2.610		8.380		3.060		28.300	
CGOSP-11-S-20241105	B37703	1.640		1.220		3.910		1.430		21.900	
CGOSP-12-S-20241105	C01486	1.520		2.210		7.480		2.670		24.500	
CGOSP-13-S-20241105	B50658	1.740		2.050		6.550		2.260		22.400	
CGOSP-14-S-20241105	B52725	2.090		2.410		7.690		2.780		34.500	
CGOSP-15-S-20241105	C02000	1.620		2.150		6.870		2.430		28.200	
CGOSP-16-S-20241105	C01384	1.380		2.050		6.690		2.440		23.800	
CGOSP-17-S-20241105	B40267	1.600		1.980		6.740		2.440		23.700	
CGOSP-18-S-20241105	C40150	2.000		2.130		7.490		2.790		27.500	
CGOSP-1-S-20241119	B15088	1.160		0.710		1.760		0.561	J	3.020	
CGOSP-2-S-20241119	B34545	0.914		0.371	J	1.130		0.366	J	2.380	
CGOSP-3-S-20241119	B30619	1.240		0.626		2.170		0.711		3.400	
CGOSP-3-D-20241119	B51039	1.180		0.791		2.350		0.875		3.610	
CGOSP-3-B-20241119	B52922	0.193	ND	0.280	ND	0.280	ND	0.280	ND	0.248	ND
CGOSP-4-S-20241119	B53272	1.830		1.150		3.530		1.320		5.810	
CGOSP-5-S-20241119	C34122	2.450		1.960		6.540		2.260		8.240	
CGOSP-6-S-20241119	C38947	2.550		2.300		8.380		2.800		8.650	
CGOSP-7-S-20241119	C39266	2.100		1.310		4.600		1.550		6.990	
CGOSP-8-S-20241119	C01530	2.640		1.670		5.620		1.920		10.800	
CGOSP-9-S-20241119	B16930	2.160		1.250		3.990		1.320		7.750	

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Flags:	ND	The analyte was not present above the Method Detection Limit
	J	Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit
	P	Field duplicate(s) exceed 30%RPD
	Pc	Field duplicate(s) exceed 30%RPD. Concentrations of both samples in duplicate are near the reporting limit

Sample Code	Tube ID	Benzene		Ethylbenzene		m-/p-Xylene		o-Xylene		Toluene	
		(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag
CGOSP-9-D-20241119	C40142	2.110		1.540		4.800		1.600		7.800	
CGOSP-9-B-20241119	B52926	0.193	ND	0.280	ND	0.280	ND	0.280	ND	0.248	ND
CGOSP-10-S-20241119	C20574	1.450		0.786		2.460		0.881		4.150	
CGOSP-11-S-20241119	C43679	1.420		0.771		2.830		0.951		4.700	
CGOSP-12-S-20241119	C43657	1.350		0.802		2.920		0.976		4.030	
CGOSP-13-S-20241119	B52931	1.380		0.916		3.170		1.100		4.290	
CGOSP-14-S-20241119	B30885	1.720		0.927		2.940		1.070		4.420	
CGOSP-15-S-20241119	B27830	1.550		1.200		3.820		1.250		5.320	
CGOSP-16-S-20241119	B27207	1.560		0.975		3.080		1.020		5.070	
CGOSP-17-S-20241119	C24240	1.230		0.577	J	2.080		0.695		3.340	
CGOSP-18-S-20241119	B14136	1.190		0.490	J	1.790		0.586	J	2.980	
CGOSP-1-S-20241203	C00835	1.900		0.920		2.990	P	0.953	Pc	5.760	
CGOSP-2-S-20241203	B46931	1.590		0.570	J	1.910	P	0.717	Pc	5.280	
CGOSP-3-S-20241203	B34780	1.790		0.773		2.200	P	0.714	Pc	5.270	
CGOSP-3-D-20241203	B31228	2.140		0.922		3.080	P	1.060	Pc	7.160	
CGOSP-3-B-20241203	C01489	0.194	ND	0.282	ND	0.282	ND,P	0.282	ND,Pc	0.249	ND
CGOSP-4-S-20241203	B35460	2.050		1.060		3.610	P	1.260	Pc	7.110	
CGOSP-5-S-20241203	C02039	2.760		2.220		7.140	P	2.400	Pc	10.200	
CGOSP-6-S-20241203	C01649	2.690		1.930		6.300	P	2.100	Pc	10.300	
CGOSP-7-S-20241203	C55413	2.320		1.540		5.310	P	1.740	Pc	9.450	
CGOSP-8-S-20241203	C37051	2.630		1.550		4.600	P	1.460	Pc	10.000	
CGOSP-9-S-20241203	B44208	2.500		1.170		4.100	P	1.430	Pc	9.530	
CGOSP-9-D-20241203	B47158	2.430		1.160		3.660	P	1.320	Pc	8.860	
CGOSP-9-B-20241203	B49531	0.194	ND	0.282	ND	0.282	ND,P	0.282	ND,Pc	0.249	ND
CGOSP-10-S-20241203	C35772	2.040		1.050		3.420	P	1.180	Pc	8.340	
CGOSP-11-S-20241203	C37017	1.660		0.963		3.120	P	1.030	Pc	6.880	
CGOSP-12-S-20241203	B34572	1.760		0.975		3.060	P	1.060	Pc	6.080	
CGOSP-13-S-20241203	C01853	1.760		1.010		3.380	P	1.160	Pc	6.500	
CGOSP-14-S-20241203	B46217	1.710		0.852		2.390	P	0.793	Pc	5.120	
CGOSP-15-S-20241203	C40140	1.460		0.602	J	1.790	P	0.573	J,Pc	3.940	
CGOSP-16-S-20241203	B47176	1.560		0.698		2.050	P	0.705	Pc	5.640	
CGOSP-17-S-20241203	B45066	1.690		0.833		2.550	P	0.898	Pc	7.070	
CGOSP-18-S-20241203	B44191	2.120		0.928		3.030	P	1.050	Pc	7.000	

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Flags:	ND	The analyte was not present above the Method Detection Limit
	J	Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit
	P	Field duplicate(s) exceed 30%RPD
	Pc	Field duplicate(s) exceed 30%RPD. Concentrations of both samples in duplicate are near the reporting limit

Sample Code	Tube ID	Benzene		Ethylbenzene		m-/p-Xylene		o-Xylene		Toluene	
		(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag
CGOSP-1-S-20241217	B14152	1.420		9.850	P	44.800	P	15.600	P	4.890	
CGOSP-2-S-20241217	C43867	1.200		9.210	P	43.300	P	14.800	P	3.310	
CGOSP-3-S-20241217	C00606	1.440		6.840	P	31.600	P	11.600	P	3.700	
CGOSP-3-D-20241217	C40522	1.480		1.210	P	5.000	P	1.810	P	4.820	
CGOSP-3-B-20241217	B43840	0.194	ND	0.283	ND,P	0.283	ND,P	0.283	ND,P	0.249	ND
CGOSP-4-S-20241217	C35709	1.570		2.100	P	9.520	P	3.510	P	5.790	
CGOSP-5-S-20241217	B32917	1.840		4.970	P	22.500	P	8.850	P	6.890	
CGOSP-6-S-20241217	B15116	1.900		2.470	P	10.300	P	3.720	P	7.110	
CGOSP-7-S-20241217	B52914	2.000		9.450	P	43.800	P	16.300	P	6.410	
CGOSP-8-S-20241217	C39190	2.130		5.320	P	25.200	P	10.000	P	7.090	
CGOSP-9-S-20241217	C40630	2.640		9.760	P	46.900	P	17.300	P	11.500	
CGOSP-9-D-20241217	B50908	2.600		8.030	P	36.900	P	13.500	P	10.400	
CGOSP-9-B-20241217	C38864	0.194	ND	0.283	ND,P	0.283	ND,P	0.283	ND,P	0.338	J
CGOSP-10-S-20241217	C36864	2.120		4.660	P	20.500	P	8.290	P	8.170	
CGOSP-11-S-20241217	C53569	1.670		1.900	P	7.980	P	3.040	P	5.400	
CGOSP-12-S-20241217	B37405	1.750		1.910	P	7.150	P	2.490	P	6.370	
CGOSP-13-S-20241217	C01321	1.690		5.560	P	25.900	P	9.410	P	6.190	
CGOSP-14-S-20241217	B37340	1.500		5.770	P	26.500	P	10.500	P	4.850	
CGOSP-15-S-20241217	B16383	1.410		8.970	P	35.100	P	12.100	P	4.580	
CGOSP-16-S-20241217	C27866	1.410		7.780	P	39.800	P	15.100	P	3.620	
CGOSP-17-S-20241217	C53597	1.300		2.040	P	9.280	P	3.240	P	3.660	
CGOSP-18-S-20241217	B46335	1.600		2.290	P	9.130	P	3.210	P	5.340	
Quarter 4, 2024 Maximum		4.48		9.85		46.90		17.30		34.50	
Quarter 4, 2024 Average		2.06		2.05		7.60		2.76		10.24	
Rolling Annual Maximum [1]		4.48		9.85		46.90		17.30		34.50	
Rolling Annual Average [2]		--		--		--		--		--	

[1] Rolling Annual Maximum based on Quarter 3 and Quarter 4, 2024 data only.

[2] Rolling Annual Average will be populated when four quarters of data have been collected.

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
CGOSP-1-S-20240924	1	Benzene	Sample	1.78	ug/m3	0.189	ug/m3	0	Y	9/24/2024	11:45	10/8/2024	10:15
CGOSP-1-S-20240924	1	Ethylbenzene	Sample	1.64	ug/m3	0.276	ug/m3	0	Y	9/24/2024	11:45	10/8/2024	10:15
CGOSP-1-S-20240924	1	m-/p-Xylene	Sample	4.92	ug/m3	0.276	ug/m3	0	Y	9/24/2024	11:45	10/8/2024	10:15
CGOSP-1-S-20240924	1	o-Xylene	Sample	1.72	ug/m3	0.276	ug/m3	0	Y	9/24/2024	11:45	10/8/2024	10:15
CGOSP-1-S-20240924	1	Toluene	Sample	6.96	ug/m3	0.244	ug/m3	0	Y	9/24/2024	11:45	10/8/2024	10:15
CGOSP-2-S-20240924	2	Benzene	Sample	1.26	ug/m3	0.189	ug/m3	0	Y	9/24/2024	11:50	10/8/2024	10:20
CGOSP-2-S-20240924	2	Ethylbenzene	Sample	0.793	ug/m3	0.276	ug/m3	0	Y	9/24/2024	11:50	10/8/2024	10:20
CGOSP-2-S-20240924	2	m-/p-Xylene	Sample	2.36	ug/m3	0.276	ug/m3	0	Y	9/24/2024	11:50	10/8/2024	10:20
CGOSP-2-S-20240924	2	o-Xylene	Sample	0.898	ug/m3	0.276	ug/m3	0	Y	9/24/2024	11:50	10/8/2024	10:20
CGOSP-2-S-20240924	2	Toluene	Sample	4.02	ug/m3	0.244	ug/m3	0	Y	9/24/2024	11:50	10/8/2024	10:20
CGOSP-3-S-20240924	3	Benzene	Sample	1.54	ug/m3	0.189	ug/m3	0	Y	9/24/2024	11:55	10/8/2024	10:25
CGOSP-3-S-20240924	3	Ethylbenzene	Sample	1.02	ug/m3	0.276	ug/m3	0	Y	9/24/2024	11:55	10/8/2024	10:25
CGOSP-3-S-20240924	3	m-/p-Xylene	Sample	3.53	ug/m3	0.276	ug/m3	0	Y	9/24/2024	11:55	10/8/2024	10:25
CGOSP-3-S-20240924	3	o-Xylene	Sample	1.27	ug/m3	0.276	ug/m3	0	Y	9/24/2024	11:55	10/8/2024	10:25
CGOSP-3-S-20240924	3	Toluene	Sample	5.38	ug/m3	0.244	ug/m3	0	Y	9/24/2024	11:55	10/8/2024	10:25
CGOSP-3-D-20240924	3	Benzene	Duplicate	1.83	ug/m3	0.189	ug/m3	0	Y	9/24/2024	11:55	10/8/2024	10:25
CGOSP-3-D-20240924	3	Ethylbenzene	Duplicate	1.05	ug/m3	0.276	ug/m3	0	Y	9/24/2024	11:55	10/8/2024	10:25
CGOSP-3-D-20240924	3	m-/p-Xylene	Duplicate	3.18	ug/m3	0.276	ug/m3	0	Y	9/24/2024	11:55	10/8/2024	10:25
CGOSP-3-D-20240924	3	o-Xylene	Duplicate	1.15	ug/m3	0.276	ug/m3	0	Y	9/24/2024	11:55	10/8/2024	10:25
CGOSP-3-D-20240924	3	Toluene	Duplicate	5.57	ug/m3	0.244	ug/m3	0	Y	9/24/2024	11:55	10/8/2024	10:25
CGOSP-3-B-20240924	3	Benzene	Blank	<0.189	ug/m3	0.189	ug/m3	ND	N	9/24/2024	11:55	10/8/2024	10:25
CGOSP-3-B-20240924	3	Ethylbenzene	Blank	<0.276	ug/m3	0.276	ug/m3	ND	N	9/24/2024	11:55	10/8/2024	10:25
CGOSP-3-B-20240924	3	m-/p-Xylene	Blank	<0.276	ug/m3	0.276	ug/m3	ND	N	9/24/2024	11:55	10/8/2024	10:25
CGOSP-3-B-20240924	3	o-Xylene	Blank	<0.276	ug/m3	0.276	ug/m3	ND	N	9/24/2024	11:55	10/8/2024	10:25
CGOSP-3-B-20240924	3	Toluene	Blank	0.335	ug/m3	0.244	ug/m3	J	Y	9/24/2024	11:55	10/8/2024	10:25
CGOSP-4-S-20240924	4	Benzene	Sample	2.03	ug/m3	0.189	ug/m3	0	Y	9/24/2024	12:05	10/8/2024	10:34
CGOSP-4-S-20240924	4	Ethylbenzene	Sample	1.42	ug/m3	0.276	ug/m3	0	Y	9/24/2024	12:05	10/8/2024	10:34
CGOSP-4-S-20240924	4	m-/p-Xylene	Sample	3.84	ug/m3	0.276	ug/m3	0	Y	9/24/2024	12:05	10/8/2024	10:34
CGOSP-4-S-20240924	4	o-Xylene	Sample	1.48	ug/m3	0.276	ug/m3	0	Y	9/24/2024	12:05	10/8/2024	10:34

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
CGOSP-4-S-20240924	4	Toluene	Sample	6.77	ug/m3	0.244	ug/m3	0	Y	9/24/2024	12:05	10/8/2024	10:34
CGOSP-5-S-20240924	5	Benzene	Sample	2.35	ug/m3	0.189	ug/m3	0	Y	9/24/2024	12:10	10/8/2024	10:40
CGOSP-5-S-20240924	5	Ethylbenzene	Sample	1.61	ug/m3	0.276	ug/m3	0	Y	9/24/2024	12:10	10/8/2024	10:40
CGOSP-5-S-20240924	5	m-/p-Xylene	Sample	5.3	ug/m3	0.276	ug/m3	0	Y	9/24/2024	12:10	10/8/2024	10:40
CGOSP-5-S-20240924	5	o-Xylene	Sample	1.93	ug/m3	0.276	ug/m3	0	Y	9/24/2024	12:10	10/8/2024	10:40
CGOSP-5-S-20240924	5	Toluene	Sample	7.69	ug/m3	0.244	ug/m3	0	Y	9/24/2024	12:10	10/8/2024	10:40
CGOSP-6-S-20240924	6	Benzene	Sample	2.66	ug/m3	0.189	ug/m3	0	Y	9/24/2024	12:15	10/8/2024	10:45
CGOSP-6-S-20240924	6	Ethylbenzene	Sample	1.5	ug/m3	0.276	ug/m3	0	Y	9/24/2024	12:15	10/8/2024	10:45
CGOSP-6-S-20240924	6	m-/p-Xylene	Sample	4.61	ug/m3	0.276	ug/m3	0	Y	9/24/2024	12:15	10/8/2024	10:45
CGOSP-6-S-20240924	6	o-Xylene	Sample	1.61	ug/m3	0.276	ug/m3	0	Y	9/24/2024	12:15	10/8/2024	10:45
CGOSP-6-S-20240924	6	Toluene	Sample	7.48	ug/m3	0.244	ug/m3	0	Y	9/24/2024	12:15	10/8/2024	10:45
CGOSP-7-S-20240924	7	Benzene	Sample	3.09	ug/m3	0.189	ug/m3	0	Y	9/24/2024	12:20	10/8/2024	10:50
CGOSP-7-S-20240924	7	Ethylbenzene	Sample	1.65	ug/m3	0.276	ug/m3	0	Y	9/24/2024	12:20	10/8/2024	10:50
CGOSP-7-S-20240924	7	m-/p-Xylene	Sample	5.42	ug/m3	0.276	ug/m3	0	Y	9/24/2024	12:20	10/8/2024	10:50
CGOSP-7-S-20240924	7	o-Xylene	Sample	1.96	ug/m3	0.276	ug/m3	0	Y	9/24/2024	12:20	10/8/2024	10:50
CGOSP-7-S-20240924	7	Toluene	Sample	9.43	ug/m3	0.244	ug/m3	0	Y	9/24/2024	12:20	10/8/2024	10:50
CGOSP-8-S-20240924	8	Benzene	Sample	3.17	ug/m3	0.189	ug/m3	0	Y	9/24/2024	12:25	10/8/2024	10:55
CGOSP-8-S-20240924	8	Ethylbenzene	Sample	1.51	ug/m3	0.276	ug/m3	0	Y	9/24/2024	12:25	10/8/2024	10:55
CGOSP-8-S-20240924	8	m-/p-Xylene	Sample	5.4	ug/m3	0.276	ug/m3	0	Y	9/24/2024	12:25	10/8/2024	10:55
CGOSP-8-S-20240924	8	o-Xylene	Sample	1.93	ug/m3	0.276	ug/m3	0	Y	9/24/2024	12:25	10/8/2024	10:55
CGOSP-8-S-20240924	8	Toluene	Sample	9.34	ug/m3	0.244	ug/m3	0	Y	9/24/2024	12:25	10/8/2024	10:55
CGOSP-9-S-20240924	9	Benzene	Sample	2.9	ug/m3	0.189	ug/m3	0	Y	9/24/2024	12:30	10/8/2024	11:00
CGOSP-9-S-20240924	9	Ethylbenzene	Sample	1.39	ug/m3	0.276	ug/m3	0	Y	9/24/2024	12:30	10/8/2024	11:00
CGOSP-9-S-20240924	9	m-/p-Xylene	Sample	4.81	ug/m3	0.276	ug/m3	0	Y	9/24/2024	12:30	10/8/2024	11:00
CGOSP-9-S-20240924	9	o-Xylene	Sample	1.82	ug/m3	0.276	ug/m3	0	Y	9/24/2024	12:30	10/8/2024	11:00
CGOSP-9-S-20240924	9	Toluene	Sample	8.71	ug/m3	0.244	ug/m3	0	Y	9/24/2024	12:30	10/8/2024	11:00
CGOSP-9-D-20240924	9	Benzene	Duplicate	2.95	ug/m3	0.189	ug/m3	0	Y	9/24/2024	12:30	10/8/2024	11:00
CGOSP-9-D-20240924	9	Ethylbenzene	Duplicate	1.25	ug/m3	0.276	ug/m3	0	Y	9/24/2024	12:30	10/8/2024	11:00
CGOSP-9-D-20240924	9	m-/p-Xylene	Duplicate	4.26	ug/m3	0.276	ug/m3	0	Y	9/24/2024	12:30	10/8/2024	11:00

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
CGOSP-9-D-20240924	9	o-Xylene	Duplicate	1.55	ug/m3	0.276	ug/m3	0	Y	9/24/2024	12:30	10/8/2024	11:00
CGOSP-9-D-20240924	9	Toluene	Duplicate	8.39	ug/m3	0.244	ug/m3	0	Y	9/24/2024	12:30	10/8/2024	11:00
CGOSP-9-B-20240924	9	Benzene	Blank	0.231	ug/m3	0.189	ug/m3	J	Y	9/24/2024	12:30	10/8/2024	11:00
CGOSP-9-B-20240924	9	Ethylbenzene	Blank	<0.276	ug/m3	0.276	ug/m3	ND	N	9/24/2024	12:30	10/8/2024	11:00
CGOSP-9-B-20240924	9	m-/p-Xylene	Blank	<0.276	ug/m3	0.276	ug/m3	ND	N	9/24/2024	12:30	10/8/2024	11:00
CGOSP-9-B-20240924	9	o-Xylene	Blank	<0.276	ug/m3	0.276	ug/m3	ND	N	9/24/2024	12:30	10/8/2024	11:00
CGOSP-9-B-20240924	9	Toluene	Blank	0.569	ug/m3	0.244	ug/m3	0	Y	9/24/2024	12:30	10/8/2024	11:00
CGOSP-10-S-20240924	10	Benzene	Sample	2.09	ug/m3	0.189	ug/m3	0	Y	9/24/2024	12:35	10/8/2024	11:06
CGOSP-10-S-20240924	10	Ethylbenzene	Sample	1.09	ug/m3	0.276	ug/m3	0	Y	9/24/2024	12:35	10/8/2024	11:06
CGOSP-10-S-20240924	10	m-/p-Xylene	Sample	3.51	ug/m3	0.276	ug/m3	0	Y	9/24/2024	12:35	10/8/2024	11:06
CGOSP-10-S-20240924	10	o-Xylene	Sample	1.26	ug/m3	0.276	ug/m3	0	Y	9/24/2024	12:35	10/8/2024	11:06
CGOSP-10-S-20240924	10	Toluene	Sample	6.18	ug/m3	0.244	ug/m3	0	Y	9/24/2024	12:35	10/8/2024	11:06
CGOSP-11-S-20240924	11	Benzene	Sample	2.28	ug/m3	0.189	ug/m3	0	Y	9/24/2024	12:40	10/8/2024	11:11
CGOSP-11-S-20240924	11	Ethylbenzene	Sample	1.33	ug/m3	0.276	ug/m3	0	Y	9/24/2024	12:40	10/8/2024	11:11
CGOSP-11-S-20240924	11	m-/p-Xylene	Sample	3.94	ug/m3	0.276	ug/m3	0	Y	9/24/2024	12:40	10/8/2024	11:11
CGOSP-11-S-20240924	11	o-Xylene	Sample	1.48	ug/m3	0.276	ug/m3	0	Y	9/24/2024	12:40	10/8/2024	11:11
CGOSP-11-S-20240924	11	Toluene	Sample	6.99	ug/m3	0.244	ug/m3	0	Y	9/24/2024	12:40	10/8/2024	11:11
CGOSP-12-S-20240924	12	Benzene	Sample	1.81	ug/m3	0.189	ug/m3	0	Y	9/24/2024	12:45	10/8/2024	11:15
CGOSP-12-S-20240924	12	Ethylbenzene	Sample	0.957	ug/m3	0.276	ug/m3	0	Y	9/24/2024	12:45	10/8/2024	11:15
CGOSP-12-S-20240924	12	m-/p-Xylene	Sample	3.22	ug/m3	0.276	ug/m3	0	Y	9/24/2024	12:45	10/8/2024	11:15
CGOSP-12-S-20240924	12	o-Xylene	Sample	1.2	ug/m3	0.276	ug/m3	0	Y	9/24/2024	12:45	10/8/2024	11:15
CGOSP-12-S-20240924	12	Toluene	Sample	5.68	ug/m3	0.244	ug/m3	0	Y	9/24/2024	12:45	10/8/2024	11:15
CGOSP-13-S-20240924	13	Benzene	Sample	1.85	ug/m3	0.189	ug/m3	0	Y	9/24/2024	12:50	10/8/2024	11:20
CGOSP-13-S-20240924	13	Ethylbenzene	Sample	1.16	ug/m3	0.276	ug/m3	0	Y	9/24/2024	12:50	10/8/2024	11:20
CGOSP-13-S-20240924	13	m-/p-Xylene	Sample	3.24	ug/m3	0.276	ug/m3	0	Y	9/24/2024	12:50	10/8/2024	11:20
CGOSP-13-S-20240924	13	o-Xylene	Sample	1.2	ug/m3	0.276	ug/m3	0	Y	9/24/2024	12:50	10/8/2024	11:20
CGOSP-13-S-20240924	13	Toluene	Sample	5.36	ug/m3	0.244	ug/m3	0	Y	9/24/2024	12:50	10/8/2024	11:20
CGOSP-14-S-20240924	14	Benzene	Sample	2.21	ug/m3	0.189	ug/m3	0	Y	9/24/2024	12:55	10/8/2024	11:25
CGOSP-14-S-20240924	14	Ethylbenzene	Sample	1.44	ug/m3	0.276	ug/m3	0	Y	9/24/2024	12:55	10/8/2024	11:25

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
CGOSP-14-S-20240924	14	m-/p-Xylene	Sample	4.24	ug/m3	0.276	ug/m3	0	Y	9/24/2024	12:55	10/8/2024	11:25
CGOSP-14-S-20240924	14	o-Xylene	Sample	1.57	ug/m3	0.276	ug/m3	0	Y	9/24/2024	12:55	10/8/2024	11:25
CGOSP-14-S-20240924	14	Toluene	Sample	6.39	ug/m3	0.244	ug/m3	0	Y	9/24/2024	12:55	10/8/2024	11:25
CGOSP-15-S-20240924	15	Benzene	Sample	2.52	ug/m3	0.189	ug/m3	0	Y	9/24/2024	13:00	10/8/2024	11:30
CGOSP-15-S-20240924	15	Ethylbenzene	Sample	1.56	ug/m3	0.276	ug/m3	0	Y	9/24/2024	13:00	10/8/2024	11:30
CGOSP-15-S-20240924	15	m-/p-Xylene	Sample	5.3	ug/m3	0.276	ug/m3	0	Y	9/24/2024	13:00	10/8/2024	11:30
CGOSP-15-S-20240924	15	o-Xylene	Sample	1.92	ug/m3	0.276	ug/m3	0	Y	9/24/2024	13:00	10/8/2024	11:30
CGOSP-15-S-20240924	15	Toluene	Sample	8.08	ug/m3	0.244	ug/m3	0	Y	9/24/2024	13:00	10/8/2024	11:30
CGOSP-16-S-20240924	16	Benzene	Sample	2.96	ug/m3	0.189	ug/m3	0	Y	9/24/2024	13:05	10/8/2024	11:35
CGOSP-16-S-20240924	16	Ethylbenzene	Sample	2.04	ug/m3	0.276	ug/m3	0	Y	9/24/2024	13:05	10/8/2024	11:35
CGOSP-16-S-20240924	16	m-/p-Xylene	Sample	6.62	ug/m3	0.276	ug/m3	0	Y	9/24/2024	13:05	10/8/2024	11:35
CGOSP-16-S-20240924	16	o-Xylene	Sample	2.53	ug/m3	0.276	ug/m3	0	Y	9/24/2024	13:05	10/8/2024	11:35
CGOSP-16-S-20240924	16	Toluene	Sample	11.9	ug/m3	0.244	ug/m3	0	Y	9/24/2024	13:05	10/8/2024	11:35
CGOSP-17-S-20240924	17	Benzene	Sample	3.22	ug/m3	0.189	ug/m3	0	Y	9/24/2024	13:10	10/8/2024	11:40
CGOSP-17-S-20240924	17	Ethylbenzene	Sample	2.23	ug/m3	0.276	ug/m3	0	Y	9/24/2024	13:10	10/8/2024	11:40
CGOSP-17-S-20240924	17	m-/p-Xylene	Sample	6.7	ug/m3	0.276	ug/m3	0	Y	9/24/2024	13:10	10/8/2024	11:40
CGOSP-17-S-20240924	17	o-Xylene	Sample	2.52	ug/m3	0.276	ug/m3	0	Y	9/24/2024	13:10	10/8/2024	11:40
CGOSP-17-S-20240924	17	Toluene	Sample	12.9	ug/m3	0.244	ug/m3	0	Y	9/24/2024	13:10	10/8/2024	11:40
CGOSP-18-S-20240924	18	Benzene	Sample	3.17	ug/m3	0.189	ug/m3	0	Y	9/24/2024	13:15	10/8/2024	11:45
CGOSP-18-S-20240924	18	Ethylbenzene	Sample	2.17	ug/m3	0.276	ug/m3	0	Y	9/24/2024	13:15	10/8/2024	11:45
CGOSP-18-S-20240924	18	m-/p-Xylene	Sample	7.74	ug/m3	0.276	ug/m3	0	Y	9/24/2024	13:15	10/8/2024	11:45
CGOSP-18-S-20240924	18	o-Xylene	Sample	2.74	ug/m3	0.276	ug/m3	0	Y	9/24/2024	13:15	10/8/2024	11:45
CGOSP-18-S-20240924	18	Toluene	Sample	13.8	ug/m3	0.244	ug/m3	0	Y	9/24/2024	13:15	10/8/2024	11:45
CGOSP-1-S-20241008	1	Benzene	Sample	1.55	ug/m3	0.19	ug/m3	0	Y	10/8/2024	10:15	10/22/2024	10:45
CGOSP-1-S-20241008	1	Ethylbenzene	Sample	0.872	ug/m3	0.276	ug/m3	0	Y	10/8/2024	10:15	10/22/2024	10:45
CGOSP-1-S-20241008	1	m-/p-Xylene	Sample	2.86	ug/m3	0.276	ug/m3	0	Y	10/8/2024	10:15	10/22/2024	10:45
CGOSP-1-S-20241008	1	o-Xylene	Sample	0.99	ug/m3	0.276	ug/m3	0	Y	10/8/2024	10:15	10/22/2024	10:45
CGOSP-1-S-20241008	1	Toluene	Sample	5.34	ug/m3	0.245	ug/m3	0	Y	10/8/2024	10:15	10/22/2024	10:45
CGOSP-2-S-20241008	2	Benzene	Sample	1.39	ug/m3	0.19	ug/m3	0	Y	10/8/2024	10:20	10/22/2024	10:50

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
CGOSP-2-S-20241008	2	Ethylbenzene	Sample	1.1	ug/m3	0.276	ug/m3	0	Y	10/8/2024	10:20	10/22/2024	10:50
CGOSP-2-S-20241008	2	m-/p-Xylene	Sample	2.51	ug/m3	0.276	ug/m3	0	Y	10/8/2024	10:20	10/22/2024	10:50
CGOSP-2-S-20241008	2	o-Xylene	Sample	0.907	ug/m3	0.276	ug/m3	0	Y	10/8/2024	10:20	10/22/2024	10:50
CGOSP-2-S-20241008	2	Toluene	Sample	4.79	ug/m3	0.245	ug/m3	0	Y	10/8/2024	10:20	10/22/2024	10:50
CGOSP-3-S-20241008	3	Benzene	Sample	1.9	ug/m3	0.19	ug/m3	0	Y	10/8/2024	10:25	10/22/2024	10:55
CGOSP-3-S-20241008	3	Ethylbenzene	Sample	1.25	ug/m3	0.276	ug/m3	0	Y	10/8/2024	10:25	10/22/2024	10:55
CGOSP-3-S-20241008	3	m-/p-Xylene	Sample	4.03	ug/m3	0.276	ug/m3	0	Y	10/8/2024	10:25	10/22/2024	10:55
CGOSP-3-S-20241008	3	o-Xylene	Sample	1.49	ug/m3	0.276	ug/m3	0	Y	10/8/2024	10:25	10/22/2024	10:55
CGOSP-3-S-20241008	3	Toluene	Sample	6.75	ug/m3	0.245	ug/m3	0	Y	10/8/2024	10:25	10/22/2024	10:55
CGOSP-3-D-20241008	3	Benzene	Duplicate	1.87	ug/m3	0.19	ug/m3	0	Y	10/8/2024	10:25	10/22/2024	10:55
CGOSP-3-D-20241008	3	Ethylbenzene	Duplicate	1.16	ug/m3	0.276	ug/m3	0	Y	10/8/2024	10:25	10/22/2024	10:55
CGOSP-3-D-20241008	3	m-/p-Xylene	Duplicate	4.1	ug/m3	0.276	ug/m3	0	Y	10/8/2024	10:25	10/22/2024	10:55
CGOSP-3-D-20241008	3	o-Xylene	Duplicate	1.52	ug/m3	0.276	ug/m3	0	Y	10/8/2024	10:25	10/22/2024	10:55
CGOSP-3-D-20241008	3	Toluene	Duplicate	6.55	ug/m3	0.245	ug/m3	0	Y	10/8/2024	10:25	10/22/2024	10:55
CGOSP-3-B-20241008	3	Benzene	Blank	0.385	ug/m3	0.19	ug/m3	J	Y	10/8/2024	10:25	10/22/2024	10:55
CGOSP-3-B-20241008	3	Ethylbenzene	Blank	<0.276	ug/m3	0.276	ug/m3	ND	N	10/8/2024	10:25	10/22/2024	10:55
CGOSP-3-B-20241008	3	m-/p-Xylene	Blank	<0.276	ug/m3	0.276	ug/m3	ND	N	10/8/2024	10:25	10/22/2024	10:55
CGOSP-3-B-20241008	3	o-Xylene	Blank	<0.276	ug/m3	0.276	ug/m3	ND	N	10/8/2024	10:25	10/22/2024	10:55
CGOSP-3-B-20241008	3	Toluene	Blank	1.06	ug/m3	0.245	ug/m3	0	Y	10/8/2024	10:25	10/22/2024	10:55
CGOSP-4-S-20241008	4	Benzene	Sample	2.51	ug/m3	0.19	ug/m3	0	Y	10/8/2024	10:34	10/22/2024	11:05
CGOSP-4-S-20241008	4	Ethylbenzene	Sample	1.67	ug/m3	0.276	ug/m3	0	Y	10/8/2024	10:34	10/22/2024	11:05
CGOSP-4-S-20241008	4	m-/p-Xylene	Sample	5.52	ug/m3	0.276	ug/m3	0	Y	10/8/2024	10:34	10/22/2024	11:05
CGOSP-4-S-20241008	4	o-Xylene	Sample	1.92	ug/m3	0.276	ug/m3	0	Y	10/8/2024	10:34	10/22/2024	11:05
CGOSP-4-S-20241008	4	Toluene	Sample	9.12	ug/m3	0.244	ug/m3	0	Y	10/8/2024	10:34	10/22/2024	11:05
CGOSP-5-S-20241008	5	Benzene	Sample	3.55	ug/m3	0.19	ug/m3	0	Y	10/8/2024	10:40	10/22/2024	11:10
CGOSP-5-S-20241008	5	Ethylbenzene	Sample	2.49	ug/m3	0.276	ug/m3	0	Y	10/8/2024	10:40	10/22/2024	11:10
CGOSP-5-S-20241008	5	m-/p-Xylene	Sample	7.44	ug/m3	0.276	ug/m3	0	Y	10/8/2024	10:40	10/22/2024	11:10
CGOSP-5-S-20241008	5	o-Xylene	Sample	2.85	ug/m3	0.276	ug/m3	0	Y	10/8/2024	10:40	10/22/2024	11:10
CGOSP-5-S-20241008	5	Toluene	Sample	11.9	ug/m3	0.245	ug/m3	0	Y	10/8/2024	10:40	10/22/2024	11:10

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
CGOSP-6-S-20241008	6	Benzene	Sample	3.47	ug/m3	0.19	ug/m3	0	Y	10/8/2024	10:45	10/22/2024	11:15
CGOSP-6-S-20241008	6	Ethylbenzene	Sample	2.72	ug/m3	0.276	ug/m3	0	Y	10/8/2024	10:45	10/22/2024	11:15
CGOSP-6-S-20241008	6	m-/p-Xylene	Sample	7.96	ug/m3	0.276	ug/m3	0	Y	10/8/2024	10:45	10/22/2024	11:15
CGOSP-6-S-20241008	6	o-Xylene	Sample	2.92	ug/m3	0.276	ug/m3	0	Y	10/8/2024	10:45	10/22/2024	11:15
CGOSP-6-S-20241008	6	Toluene	Sample	12.5	ug/m3	0.245	ug/m3	0	Y	10/8/2024	10:45	10/22/2024	11:15
CGOSP-7-S-20241008	7	Benzene	Sample	3.58	ug/m3	0.19	ug/m3	0	Y	10/8/2024	10:50	10/22/2024	11:20
CGOSP-7-S-20241008	7	Ethylbenzene	Sample	2.4	ug/m3	0.276	ug/m3	0	Y	10/8/2024	10:50	10/22/2024	11:20
CGOSP-7-S-20241008	7	m-/p-Xylene	Sample	7.49	ug/m3	0.276	ug/m3	0	Y	10/8/2024	10:50	10/22/2024	11:20
CGOSP-7-S-20241008	7	o-Xylene	Sample	2.74	ug/m3	0.276	ug/m3	0	Y	10/8/2024	10:50	10/22/2024	11:20
CGOSP-7-S-20241008	7	Toluene	Sample	12.4	ug/m3	0.245	ug/m3	0	Y	10/8/2024	10:50	10/22/2024	11:20
CGOSP-8-S-20241008	8	Benzene	Sample	4.48	ug/m3	0.19	ug/m3	0	Y	10/8/2024	10:55	10/22/2024	11:25
CGOSP-8-S-20241008	8	Ethylbenzene	Sample	2.42	ug/m3	0.276	ug/m3	0	Y	10/8/2024	10:55	10/22/2024	11:25
CGOSP-8-S-20241008	8	m-/p-Xylene	Sample	8.11	ug/m3	0.276	ug/m3	0	Y	10/8/2024	10:55	10/22/2024	11:25
CGOSP-8-S-20241008	8	o-Xylene	Sample	2.87	ug/m3	0.276	ug/m3	0	Y	10/8/2024	10:55	10/22/2024	11:25
CGOSP-8-S-20241008	8	Toluene	Sample	14.4	ug/m3	0.245	ug/m3	0	Y	10/8/2024	10:55	10/22/2024	11:25
CGOSP-9-S-20241008	9	Benzene	Sample	3.14	ug/m3	0.19	ug/m3	0	Y	10/8/2024	11:00	10/22/2024	11:30
CGOSP-9-S-20241008	9	Ethylbenzene	Sample	1.57	ug/m3	0.276	ug/m3	0	Y	10/8/2024	11:00	10/22/2024	11:30
CGOSP-9-S-20241008	9	m-/p-Xylene	Sample	5.47	ug/m3	0.276	ug/m3	0	Y	10/8/2024	11:00	10/22/2024	11:30
CGOSP-9-S-20241008	9	o-Xylene	Sample	1.99	ug/m3	0.276	ug/m3	0	Y	10/8/2024	11:00	10/22/2024	11:30
CGOSP-9-S-20241008	9	Toluene	Sample	10	ug/m3	0.245	ug/m3	0	Y	10/8/2024	11:00	10/22/2024	11:30
CGOSP-9-D-20241008	9	Benzene	Duplicate	3.39	ug/m3	0.19	ug/m3	0	Y	10/8/2024	11:00	10/22/2024	11:30
CGOSP-9-D-20241008	9	Ethylbenzene	Duplicate	1.92	ug/m3	0.276	ug/m3	0	Y	10/8/2024	11:00	10/22/2024	11:30
CGOSP-9-D-20241008	9	m-/p-Xylene	Duplicate	6.48	ug/m3	0.276	ug/m3	0	Y	10/8/2024	11:00	10/22/2024	11:30
CGOSP-9-D-20241008	9	o-Xylene	Duplicate	2.28	ug/m3	0.276	ug/m3	0	Y	10/8/2024	11:00	10/22/2024	11:30
CGOSP-9-D-20241008	9	Toluene	Duplicate	10.8	ug/m3	0.245	ug/m3	0	Y	10/8/2024	11:00	10/22/2024	11:30
CGOSP-9-B-20241008	9	Benzene	Blank	<0.19	ug/m3	0.19	ug/m3	ND	N	10/8/2024	11:00	10/22/2024	11:30
CGOSP-9-B-20241008	9	Ethylbenzene	Blank	<0.276	ug/m3	0.276	ug/m3	ND	N	10/8/2024	11:00	10/22/2024	11:30
CGOSP-9-B-20241008	9	m-/p-Xylene	Blank	<0.276	ug/m3	0.276	ug/m3	ND	N	10/8/2024	11:00	10/22/2024	11:30
CGOSP-9-B-20241008	9	o-Xylene	Blank	<0.276	ug/m3	0.276	ug/m3	ND	N	10/8/2024	11:00	10/22/2024	11:30

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
CGOSP-9-B-20241008	9	Toluene	Blank	<0.245	ug/m3	0.245	ug/m3	ND	N	10/8/2024	11:00	10/22/2024	11:30
CGOSP-10-S-20241008	10	Benzene	Sample	2.04	ug/m3	0.19	ug/m3	0	Y	10/8/2024	11:06	10/22/2024	11:35
CGOSP-10-S-20241008	10	Ethylbenzene	Sample	1.2	ug/m3	0.276	ug/m3	0	Y	10/8/2024	11:06	10/22/2024	11:35
CGOSP-10-S-20241008	10	m-/p-Xylene	Sample	4.33	ug/m3	0.276	ug/m3	0	Y	10/8/2024	11:06	10/22/2024	11:35
CGOSP-10-S-20241008	10	o-Xylene	Sample	1.48	ug/m3	0.276	ug/m3	0	Y	10/8/2024	11:06	10/22/2024	11:35
CGOSP-10-S-20241008	10	Toluene	Sample	6.95	ug/m3	0.245	ug/m3	0	Y	10/8/2024	11:06	10/22/2024	11:35
CGOSP-11-S-20241008	11	Benzene	Sample	1.51	ug/m3	0.19	ug/m3	0	Y	10/8/2024	11:11	10/22/2024	11:40
CGOSP-11-S-20241008	11	Ethylbenzene	Sample	0.921	ug/m3	0.276	ug/m3	0	Y	10/8/2024	11:11	10/22/2024	11:40
CGOSP-11-S-20241008	11	m-/p-Xylene	Sample	3.26	ug/m3	0.276	ug/m3	0	Y	10/8/2024	11:11	10/22/2024	11:40
CGOSP-11-S-20241008	11	o-Xylene	Sample	1.15	ug/m3	0.276	ug/m3	0	Y	10/8/2024	11:11	10/22/2024	11:40
CGOSP-11-S-20241008	11	Toluene	Sample	4.78	ug/m3	0.245	ug/m3	0	Y	10/8/2024	11:11	10/22/2024	11:40
CGOSP-12-S-20241008	12	Benzene	Sample	1.55	ug/m3	0.19	ug/m3	0	Y	10/8/2024	11:15	10/22/2024	11:45
CGOSP-12-S-20241008	12	Ethylbenzene	Sample	0.879	ug/m3	0.276	ug/m3	0	Y	10/8/2024	11:15	10/22/2024	11:45
CGOSP-12-S-20241008	12	m-/p-Xylene	Sample	2.81	ug/m3	0.276	ug/m3	0	Y	10/8/2024	11:15	10/22/2024	11:45
CGOSP-12-S-20241008	12	o-Xylene	Sample	1.04	ug/m3	0.276	ug/m3	0	Y	10/8/2024	11:15	10/22/2024	11:45
CGOSP-12-S-20241008	12	Toluene	Sample	5.67	ug/m3	0.245	ug/m3	0	Y	10/8/2024	11:15	10/22/2024	11:45
CGOSP-13-S-20241008	13	Benzene	Sample	1.41	ug/m3	0.19	ug/m3	0	Y	10/8/2024	11:20	10/22/2024	11:50
CGOSP-13-S-20241008	13	Ethylbenzene	Sample	1.03	ug/m3	0.276	ug/m3	0	Y	10/8/2024	11:20	10/22/2024	11:50
CGOSP-13-S-20241008	13	m-/p-Xylene	Sample	2.9	ug/m3	0.276	ug/m3	0	Y	10/8/2024	11:20	10/22/2024	11:50
CGOSP-13-S-20241008	13	o-Xylene	Sample	1.13	ug/m3	0.276	ug/m3	0	Y	10/8/2024	11:20	10/22/2024	11:50
CGOSP-13-S-20241008	13	Toluene	Sample	4.56	ug/m3	0.245	ug/m3	0	Y	10/8/2024	11:20	10/22/2024	11:50
CGOSP-14-S-20241008	14	Benzene	Sample	1.4	ug/m3	0.19	ug/m3	0	Y	10/8/2024	11:25	10/22/2024	12:00
CGOSP-14-S-20241008	14	Ethylbenzene	Sample	1.13	ug/m3	0.276	ug/m3	0	Y	10/8/2024	11:25	10/22/2024	12:00
CGOSP-14-S-20241008	14	m-/p-Xylene	Sample	2.97	ug/m3	0.276	ug/m3	0	Y	10/8/2024	11:25	10/22/2024	12:00
CGOSP-14-S-20241008	14	o-Xylene	Sample	1.1	ug/m3	0.276	ug/m3	0	Y	10/8/2024	11:25	10/22/2024	12:00
CGOSP-14-S-20241008	14	Toluene	Sample	5.03	ug/m3	0.244	ug/m3	0	Y	10/8/2024	11:25	10/22/2024	12:00
CGOSP-15-S-20241008	15	Benzene	Sample	1.44	ug/m3	0.19	ug/m3	0	Y	10/8/2024	11:30	10/22/2024	12:05
CGOSP-15-S-20241008	15	Ethylbenzene	Sample	0.854	ug/m3	0.276	ug/m3	0	Y	10/8/2024	11:30	10/22/2024	12:05
CGOSP-15-S-20241008	15	m-/p-Xylene	Sample	2.64	ug/m3	0.276	ug/m3	0	Y	10/8/2024	11:30	10/22/2024	12:05

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
CGOSP-15-S-20241008	15	o-Xylene	Sample	0.902	ug/m3	0.276	ug/m3	0	Y	10/8/2024	11:30	10/22/2024	12:05
CGOSP-15-S-20241008	15	Toluene	Sample	4.49	ug/m3	0.244	ug/m3	0	Y	10/8/2024	11:30	10/22/2024	12:05
CGOSP-16-S-20241008	16	Benzene	Sample	1.52	ug/m3	0.19	ug/m3	0	Y	10/8/2024	11:35	10/22/2024	12:10
CGOSP-16-S-20241008	16	Ethylbenzene	Sample	0.882	ug/m3	0.276	ug/m3	0	Y	10/8/2024	11:35	10/22/2024	12:10
CGOSP-16-S-20241008	16	m-/p-Xylene	Sample	2.96	ug/m3	0.276	ug/m3	0	Y	10/8/2024	11:35	10/22/2024	12:10
CGOSP-16-S-20241008	16	o-Xylene	Sample	1.14	ug/m3	0.276	ug/m3	0	Y	10/8/2024	11:35	10/22/2024	12:10
CGOSP-16-S-20241008	16	Toluene	Sample	5.46	ug/m3	0.244	ug/m3	0	Y	10/8/2024	11:35	10/22/2024	12:10
CGOSP-17-S-20241008	17	Benzene	Sample	1.41	ug/m3	0.19	ug/m3	0	Y	10/8/2024	11:40	10/22/2024	12:15
CGOSP-17-S-20241008	17	Ethylbenzene	Sample	0.78	ug/m3	0.276	ug/m3	0	Y	10/8/2024	11:40	10/22/2024	12:15
CGOSP-17-S-20241008	17	m-/p-Xylene	Sample	2.89	ug/m3	0.276	ug/m3	0	Y	10/8/2024	11:40	10/22/2024	12:15
CGOSP-17-S-20241008	17	o-Xylene	Sample	1.03	ug/m3	0.276	ug/m3	0	Y	10/8/2024	11:40	10/22/2024	12:15
CGOSP-17-S-20241008	17	Toluene	Sample	4.91	ug/m3	0.244	ug/m3	0	Y	10/8/2024	11:40	10/22/2024	12:15
CGOSP-18-S-20241008	18	Benzene	Sample	1.83	ug/m3	0.19	ug/m3	0	Y	10/8/2024	11:45	10/22/2024	12:20
CGOSP-18-S-20241008	18	Ethylbenzene	Sample	1.15	ug/m3	0.276	ug/m3	0	Y	10/8/2024	11:45	10/22/2024	12:20
CGOSP-18-S-20241008	18	m-/p-Xylene	Sample	3.64	ug/m3	0.276	ug/m3	0	Y	10/8/2024	11:45	10/22/2024	12:20
CGOSP-18-S-20241008	18	o-Xylene	Sample	1.4	ug/m3	0.276	ug/m3	0	Y	10/8/2024	11:45	10/22/2024	12:20
CGOSP-18-S-20241008	18	Toluene	Sample	6.98	ug/m3	0.244	ug/m3	0	Y	10/8/2024	11:45	10/22/2024	12:20
CGOSP-1-S-20241022	1	Benzene	Sample	2.03	ug/m3	0.189	ug/m3	0	Y	10/22/2024	10:45	11/5/2024	11:05
CGOSP-1-S-20241022	1	Ethylbenzene	Sample	1.3	ug/m3	0.276	ug/m3	P	Y	10/22/2024	10:45	11/5/2024	11:05
CGOSP-1-S-20241022	1	m-/p-Xylene	Sample	4.05	ug/m3	0.276	ug/m3	0	Y	10/22/2024	10:45	11/5/2024	11:05
CGOSP-1-S-20241022	1	o-Xylene	Sample	1.67	ug/m3	0.276	ug/m3	P	Y	10/22/2024	10:45	11/5/2024	11:05
CGOSP-1-S-20241022	1	Toluene	Sample	9.04	ug/m3	0.244	ug/m3	0	Y	10/22/2024	10:45	11/5/2024	11:05
CGOSP-2-S-20241022	2	Benzene	Sample	1.5	ug/m3	0.189	ug/m3	0	Y	10/22/2024	10:50	11/5/2024	11:10
CGOSP-2-S-20241022	2	Ethylbenzene	Sample	0.745	ug/m3	0.276	ug/m3	P	Y	10/22/2024	10:50	11/5/2024	11:10
CGOSP-2-S-20241022	2	m-/p-Xylene	Sample	2.13	ug/m3	0.276	ug/m3	0	Y	10/22/2024	10:50	11/5/2024	11:10
CGOSP-2-S-20241022	2	o-Xylene	Sample	0.771	ug/m3	0.276	ug/m3	P	Y	10/22/2024	10:50	11/5/2024	11:10
CGOSP-2-S-20241022	2	Toluene	Sample	7.05	ug/m3	0.244	ug/m3	0	Y	10/22/2024	10:50	11/5/2024	11:10
CGOSP-3-S-20241022	3	Benzene	Sample	2.46	ug/m3	0.189	ug/m3	0	Y	10/22/2024	10:55	11/5/2024	11:15
CGOSP-3-S-20241022	3	Ethylbenzene	Sample	1.58	ug/m3	0.276	ug/m3	P	Y	10/22/2024	10:55	11/5/2024	11:15

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
CGOSP-3-S-20241022	3	m-/p-Xylene	Sample	3.22	ug/m3	0.276	ug/m3	0	Y	10/22/2024	10:55	11/5/2024	11:15
CGOSP-3-S-20241022	3	o-Xylene	Sample	1.29	ug/m3	0.276	ug/m3	P	Y	10/22/2024	10:55	11/5/2024	11:15
CGOSP-3-S-20241022	3	Toluene	Sample	12.6	ug/m3	0.244	ug/m3	0	Y	10/22/2024	10:55	11/5/2024	11:15
CGOSP-3-D-20241022	3	Benzene	Duplicate	2.36	ug/m3	0.189	ug/m3	0	Y	10/22/2024	10:55	11/5/2024	11:15
CGOSP-3-D-20241022	3	Ethylbenzene	Duplicate	1.37	ug/m3	0.276	ug/m3	P	Y	10/22/2024	10:55	11/5/2024	11:15
CGOSP-3-D-20241022	3	m-/p-Xylene	Duplicate	4.33	ug/m3	0.276	ug/m3	0	Y	10/22/2024	10:55	11/5/2024	11:15
CGOSP-3-D-20241022	3	o-Xylene	Duplicate	1.84	ug/m3	0.276	ug/m3	P	Y	10/22/2024	10:55	11/5/2024	11:15
CGOSP-3-D-20241022	3	Toluene	Duplicate	10.1	ug/m3	0.244	ug/m3	0	Y	10/22/2024	10:55	11/5/2024	11:15
CGOSP-3-B-20241022	3	Benzene	Blank	<0.189	ug/m3	0.189	ug/m3	ND	N	10/22/2024	10:55	11/5/2024	11:15
CGOSP-3-B-20241022	3	Ethylbenzene	Blank	<0.276	ug/m3	0.276	ug/m3	ND,P	N	10/22/2024	10:55	11/5/2024	11:15
CGOSP-3-B-20241022	3	m-/p-Xylene	Blank	<0.276	ug/m3	0.276	ug/m3	ND	N	10/22/2024	10:55	11/5/2024	11:15
CGOSP-3-B-20241022	3	o-Xylene	Blank	<0.276	ug/m3	0.276	ug/m3	ND,P	N	10/22/2024	10:55	11/5/2024	11:15
CGOSP-3-B-20241022	3	Toluene	Blank	0.584	ug/m3	0.244	ug/m3	0	Y	10/22/2024	10:55	11/5/2024	11:15
CGOSP-4-S-20241022	4	Benzene	Sample	3.01	ug/m3	0.189	ug/m3	0	Y	10/22/2024	11:05	11/5/2024	11:25
CGOSP-4-S-20241022	4	Ethylbenzene	Sample	1.91	ug/m3	0.276	ug/m3	P	Y	10/22/2024	11:05	11/5/2024	11:25
CGOSP-4-S-20241022	4	m-/p-Xylene	Sample	6.05	ug/m3	0.276	ug/m3	0	Y	10/22/2024	11:05	11/5/2024	11:25
CGOSP-4-S-20241022	4	o-Xylene	Sample	2.2	ug/m3	0.276	ug/m3	P	Y	10/22/2024	11:05	11/5/2024	11:25
CGOSP-4-S-20241022	4	Toluene	Sample	11.4	ug/m3	0.244	ug/m3	0	Y	10/22/2024	11:05	11/5/2024	11:25
CGOSP-5-S-20241022	5	Benzene	Sample	3.21	ug/m3	0.189	ug/m3	0	Y	10/22/2024	11:10	11/5/2024	11:30
CGOSP-5-S-20241022	5	Ethylbenzene	Sample	2.3	ug/m3	0.276	ug/m3	P	Y	10/22/2024	11:10	11/5/2024	11:30
CGOSP-5-S-20241022	5	m-/p-Xylene	Sample	6.74	ug/m3	0.276	ug/m3	0	Y	10/22/2024	11:10	11/5/2024	11:30
CGOSP-5-S-20241022	5	o-Xylene	Sample	2.37	ug/m3	0.276	ug/m3	P	Y	10/22/2024	11:10	11/5/2024	11:30
CGOSP-5-S-20241022	5	Toluene	Sample	15.2	ug/m3	0.244	ug/m3	0	Y	10/22/2024	11:10	11/5/2024	11:30
CGOSP-6-S-20241022	6	Benzene	Sample	2.86	ug/m3	0.189	ug/m3	0	Y	10/22/2024	11:15	11/5/2024	11:35
CGOSP-6-S-20241022	6	Ethylbenzene	Sample	1.92	ug/m3	0.276	ug/m3	P	Y	10/22/2024	11:15	11/5/2024	11:35
CGOSP-6-S-20241022	6	m-/p-Xylene	Sample	5.63	ug/m3	0.276	ug/m3	0	Y	10/22/2024	11:15	11/5/2024	11:35
CGOSP-6-S-20241022	6	o-Xylene	Sample	2.14	ug/m3	0.276	ug/m3	P	Y	10/22/2024	11:15	11/5/2024	11:35
CGOSP-6-S-20241022	6	Toluene	Sample	11.2	ug/m3	0.244	ug/m3	0	Y	10/22/2024	11:15	11/5/2024	11:35
CGOSP-7-S-20241022	7	Benzene	Sample	2.77	ug/m3	0.189	ug/m3	0	Y	10/22/2024	11:20	11/5/2024	11:40

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
CGOSP-7-S-20241022	7	Ethylbenzene	Sample	1.77	ug/m3	0.276	ug/m3	P	Y	10/22/2024	11:20	11/5/2024	11:40
CGOSP-7-S-20241022	7	m-/p-Xylene	Sample	5.66	ug/m3	0.276	ug/m3	0	Y	10/22/2024	11:20	11/5/2024	11:40
CGOSP-7-S-20241022	7	o-Xylene	Sample	2.17	ug/m3	0.276	ug/m3	P	Y	10/22/2024	11:20	11/5/2024	11:40
CGOSP-7-S-20241022	7	Toluene	Sample	11.7	ug/m3	0.244	ug/m3	0	Y	10/22/2024	11:20	11/5/2024	11:40
CGOSP-8-S-20241022	8	Benzene	Sample	3.06	ug/m3	0.189	ug/m3	0	Y	10/22/2024	11:25	11/5/2024	11:45
CGOSP-8-S-20241022	8	Ethylbenzene	Sample	2.1	ug/m3	0.276	ug/m3	P	Y	10/22/2024	11:25	11/5/2024	11:45
CGOSP-8-S-20241022	8	m-/p-Xylene	Sample	5.17	ug/m3	0.276	ug/m3	0	Y	10/22/2024	11:25	11/5/2024	11:45
CGOSP-8-S-20241022	8	o-Xylene	Sample	1.97	ug/m3	0.276	ug/m3	P	Y	10/22/2024	11:25	11/5/2024	11:45
CGOSP-8-S-20241022	8	Toluene	Sample	13.1	ug/m3	0.244	ug/m3	0	Y	10/22/2024	11:25	11/5/2024	11:45
CGOSP-9-S-20241022	9	Benzene	Sample	2.72	ug/m3	0.189	ug/m3	0	Y	10/22/2024	11:30	11/5/2024	11:50
CGOSP-9-S-20241022	9	Ethylbenzene	Sample	1.66	ug/m3	0.276	ug/m3	P	Y	10/22/2024	11:30	11/5/2024	11:50
CGOSP-9-S-20241022	9	m-/p-Xylene	Sample	4.97	ug/m3	0.276	ug/m3	0	Y	10/22/2024	11:30	11/5/2024	11:50
CGOSP-9-S-20241022	9	o-Xylene	Sample	1.86	ug/m3	0.276	ug/m3	P	Y	10/22/2024	11:30	11/5/2024	11:50
CGOSP-9-S-20241022	9	Toluene	Sample	11.6	ug/m3	0.244	ug/m3	0	Y	10/22/2024	11:30	11/5/2024	11:50
CGOSP-9-D-20241022	9	Benzene	Duplicate	2.99	ug/m3	0.189	ug/m3	0	Y	10/22/2024	11:30	11/5/2024	11:50
CGOSP-9-D-20241022	9	Ethylbenzene	Duplicate	2.35	ug/m3	0.276	ug/m3	P	Y	10/22/2024	11:30	11/5/2024	11:50
CGOSP-9-D-20241022	9	m-/p-Xylene	Duplicate	6.1	ug/m3	0.276	ug/m3	0	Y	10/22/2024	11:30	11/5/2024	11:50
CGOSP-9-D-20241022	9	o-Xylene	Duplicate	2.1	ug/m3	0.276	ug/m3	P	Y	10/22/2024	11:30	11/5/2024	11:50
CGOSP-9-D-20241022	9	Toluene	Duplicate	14.9	ug/m3	0.244	ug/m3	0	Y	10/22/2024	11:30	11/5/2024	11:50
CGOSP-9-B-20241022	9	Benzene	Blank	<0.189	ug/m3	0.189	ug/m3	ND	N	10/22/2024	11:30	11/5/2024	11:50
CGOSP-9-B-20241022	9	Ethylbenzene	Blank	<0.276	ug/m3	0.276	ug/m3	ND,P	N	10/22/2024	11:30	11/5/2024	11:50
CGOSP-9-B-20241022	9	m-/p-Xylene	Blank	<0.276	ug/m3	0.276	ug/m3	ND	N	10/22/2024	11:30	11/5/2024	11:50
CGOSP-9-B-20241022	9	o-Xylene	Blank	<0.276	ug/m3	0.276	ug/m3	ND,P	N	10/22/2024	11:30	11/5/2024	11:50
CGOSP-9-B-20241022	9	Toluene	Blank	1.01	ug/m3	0.244	ug/m3	0	Y	10/22/2024	11:30	11/5/2024	11:50
CGOSP-10-S-20241022	10	Benzene	Sample	3.1	ug/m3	0.189	ug/m3	0	Y	10/22/2024	11:35	11/5/2024	11:55
CGOSP-10-S-20241022	10	Ethylbenzene	Sample	2.19	ug/m3	0.276	ug/m3	P	Y	10/22/2024	11:35	11/5/2024	11:55
CGOSP-10-S-20241022	10	m-/p-Xylene	Sample	6.2	ug/m3	0.276	ug/m3	0	Y	10/22/2024	11:35	11/5/2024	11:55
CGOSP-10-S-20241022	10	o-Xylene	Sample	2.27	ug/m3	0.276	ug/m3	P	Y	10/22/2024	11:35	11/5/2024	11:55
CGOSP-10-S-20241022	10	Toluene	Sample	13.6	ug/m3	0.244	ug/m3	0	Y	10/22/2024	11:35	11/5/2024	11:55

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
CGOSP-11-S-20241022	11	Benzene	Sample	2.02	ug/m3	0.189	ug/m3	0	Y	10/22/2024	11:40	11/5/2024	12:00
CGOSP-11-S-20241022	11	Ethylbenzene	Sample	1.39	ug/m3	0.276	ug/m3	P	Y	10/22/2024	11:40	11/5/2024	12:00
CGOSP-11-S-20241022	11	m-/p-Xylene	Sample	4.22	ug/m3	0.276	ug/m3	0	Y	10/22/2024	11:40	11/5/2024	12:00
CGOSP-11-S-20241022	11	o-Xylene	Sample	1.41	ug/m3	0.276	ug/m3	P	Y	10/22/2024	11:40	11/5/2024	12:00
CGOSP-11-S-20241022	11	Toluene	Sample	9.15	ug/m3	0.244	ug/m3	0	Y	10/22/2024	11:40	11/5/2024	12:00
CGOSP-12-S-20241022	12	Benzene	Sample	1.82	ug/m3	0.189	ug/m3	0	Y	10/22/2024	11:45	11/5/2024	12:05
CGOSP-12-S-20241022	12	Ethylbenzene	Sample	1.5	ug/m3	0.276	ug/m3	P	Y	10/22/2024	11:45	11/5/2024	12:05
CGOSP-12-S-20241022	12	m-/p-Xylene	Sample	4.28	ug/m3	0.276	ug/m3	0	Y	10/22/2024	11:45	11/5/2024	12:05
CGOSP-12-S-20241022	12	o-Xylene	Sample	1.94	ug/m3	0.276	ug/m3	P	Y	10/22/2024	11:45	11/5/2024	12:05
CGOSP-12-S-20241022	12	Toluene	Sample	8.74	ug/m3	0.244	ug/m3	0	Y	10/22/2024	11:45	11/5/2024	12:05
CGOSP-13-S-20241022	13	Benzene	Sample	1.89	ug/m3	0.189	ug/m3	0	Y	10/22/2024	11:50	11/5/2024	12:10
CGOSP-13-S-20241022	13	Ethylbenzene	Sample	1.29	ug/m3	0.276	ug/m3	P	Y	10/22/2024	11:50	11/5/2024	12:10
CGOSP-13-S-20241022	13	m-/p-Xylene	Sample	4.39	ug/m3	0.276	ug/m3	0	Y	10/22/2024	11:50	11/5/2024	12:10
CGOSP-13-S-20241022	13	o-Xylene	Sample	1.58	ug/m3	0.276	ug/m3	P	Y	10/22/2024	11:50	11/5/2024	12:10
CGOSP-13-S-20241022	13	Toluene	Sample	10.6	ug/m3	0.244	ug/m3	0	Y	10/22/2024	11:50	11/5/2024	12:10
CGOSP-14-S-20241022	14	Benzene	Sample	2.03	ug/m3	0.189	ug/m3	0	Y	10/22/2024	12:00	11/5/2024	12:15
CGOSP-14-S-20241022	14	Ethylbenzene	Sample	1.19	ug/m3	0.276	ug/m3	P	Y	10/22/2024	12:00	11/5/2024	12:15
CGOSP-14-S-20241022	14	m-/p-Xylene	Sample	3.36	ug/m3	0.276	ug/m3	0	Y	10/22/2024	12:00	11/5/2024	12:15
CGOSP-14-S-20241022	14	o-Xylene	Sample	1.26	ug/m3	0.276	ug/m3	P	Y	10/22/2024	12:00	11/5/2024	12:15
CGOSP-14-S-20241022	14	Toluene	Sample	8.57	ug/m3	0.244	ug/m3	0	Y	10/22/2024	12:00	11/5/2024	12:15
CGOSP-15-S-20241022	15	Benzene	Sample	1.91	ug/m3	0.189	ug/m3	0	Y	10/22/2024	12:05	11/5/2024	12:20
CGOSP-15-S-20241022	15	Ethylbenzene	Sample	1.2	ug/m3	0.276	ug/m3	P	Y	10/22/2024	12:05	11/5/2024	12:20
CGOSP-15-S-20241022	15	m-/p-Xylene	Sample	3.71	ug/m3	0.276	ug/m3	0	Y	10/22/2024	12:05	11/5/2024	12:20
CGOSP-15-S-20241022	15	o-Xylene	Sample	1.44	ug/m3	0.276	ug/m3	P	Y	10/22/2024	12:05	11/5/2024	12:20
CGOSP-15-S-20241022	15	Toluene	Sample	9.24	ug/m3	0.244	ug/m3	0	Y	10/22/2024	12:05	11/5/2024	12:20
CGOSP-16-S-20241022	16	Benzene	Sample	1.26	ug/m3	0.189	ug/m3	0	Y	10/22/2024	12:10	11/5/2024	12:25
CGOSP-16-S-20241022	16	Ethylbenzene	Sample	1.17	ug/m3	0.276	ug/m3	P	Y	10/22/2024	12:10	11/5/2024	12:25
CGOSP-16-S-20241022	16	m-/p-Xylene	Sample	2.87	ug/m3	0.276	ug/m3	0	Y	10/22/2024	12:10	11/5/2024	12:25
CGOSP-16-S-20241022	16	o-Xylene	Sample	1.21	ug/m3	0.276	ug/m3	P	Y	10/22/2024	12:10	11/5/2024	12:25

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
CGOSP-16-S-20241022	16	Toluene	Sample	5.98	ug/m3	0.244	ug/m3	0	Y	10/22/2024	12:10	11/5/2024	12:25
CGOSP-17-S-20241022	17	Benzene	Sample	1.43	ug/m3	0.189	ug/m3	0	Y	10/22/2024	12:15	11/5/2024	12:30
CGOSP-17-S-20241022	17	Ethylbenzene	Sample	0.929	ug/m3	0.276	ug/m3	P	Y	10/22/2024	12:15	11/5/2024	12:30
CGOSP-17-S-20241022	17	m-/p-Xylene	Sample	2.71	ug/m3	0.276	ug/m3	0	Y	10/22/2024	12:15	11/5/2024	12:30
CGOSP-17-S-20241022	17	o-Xylene	Sample	1.07	ug/m3	0.276	ug/m3	P	Y	10/22/2024	12:15	11/5/2024	12:30
CGOSP-17-S-20241022	17	Toluene	Sample	7.21	ug/m3	0.244	ug/m3	0	Y	10/22/2024	12:15	11/5/2024	12:30
CGOSP-18-S-20241022	18	Benzene	Sample	2.73	ug/m3	0.189	ug/m3	0	Y	10/22/2024	12:20	11/5/2024	12:35
CGOSP-18-S-20241022	18	Ethylbenzene	Sample	1.41	ug/m3	0.276	ug/m3	P	Y	10/22/2024	12:20	11/5/2024	12:35
CGOSP-18-S-20241022	18	m-/p-Xylene	Sample	4	ug/m3	0.276	ug/m3	0	Y	10/22/2024	12:20	11/5/2024	12:35
CGOSP-18-S-20241022	18	o-Xylene	Sample	1.59	ug/m3	0.276	ug/m3	P	Y	10/22/2024	12:20	11/5/2024	12:35
CGOSP-18-S-20241022	18	Toluene	Sample	11.6	ug/m3	0.244	ug/m3	0	Y	10/22/2024	12:20	11/5/2024	12:35
CGOSP-1-S-20241105	1	Benzene	Sample	1.79	ug/m3	0.191	ug/m3		Y	11/5/2024	11:05	11/19/2024	10:20
CGOSP-1-S-20241105	1	Ethylbenzene	Sample	2.31	ug/m3	0.278	ug/m3		Y	11/5/2024	11:05	11/19/2024	10:20
CGOSP-1-S-20241105	1	m-/p-Xylenes	Sample	8.33	ug/m3	0.278	ug/m3		Y	11/5/2024	11:05	11/19/2024	10:20
CGOSP-1-S-20241105	1	o-Xylene	Sample	2.94	ug/m3	0.278	ug/m3		Y	11/5/2024	11:05	11/19/2024	10:20
CGOSP-1-S-20241105	1	Toluene	Sample	27.4	ug/m3	0.246	ug/m3		Y	11/5/2024	11:05	11/19/2024	10:20
CGOSP-2-S-20241105	2	Benzene	Sample	1.49	ug/m3	0.191	ug/m3		Y	11/5/2024	11:10	11/19/2024	10:25
CGOSP-2-S-20241105	2	Ethylbenzene	Sample	0.815	ug/m3	0.278	ug/m3		Y	11/5/2024	11:10	11/19/2024	10:25
CGOSP-2-S-20241105	2	m-/p-Xylenes	Sample	2.72	ug/m3	0.278	ug/m3		Y	11/5/2024	11:10	11/19/2024	10:25
CGOSP-2-S-20241105	2	o-Xylene	Sample	0.964	ug/m3	0.278	ug/m3		Y	11/5/2024	11:10	11/19/2024	10:25
CGOSP-2-S-20241105	2	Toluene	Sample	26.7	ug/m3	0.246	ug/m3		Y	11/5/2024	11:10	11/19/2024	10:25
CGOSP-3-S-20241105	3	Benzene	Sample	2.41	ug/m3	0.191	ug/m3		Y	11/5/2024	11:15	11/19/2024	10:30
CGOSP-3-S-20241105	3	Ethylbenzene	Sample	2.79	ug/m3	0.278	ug/m3		Y	11/5/2024	11:15	11/19/2024	10:30
CGOSP-3-S-20241105	3	m-/p-Xylenes	Sample	8.23	ug/m3	0.278	ug/m3		Y	11/5/2024	11:15	11/19/2024	10:30
CGOSP-3-S-20241105	3	o-Xylene	Sample	3.04	ug/m3	0.278	ug/m3		Y	11/5/2024	11:15	11/19/2024	10:30
CGOSP-3-S-20241105	3	Toluene	Sample	31.2	ug/m3	0.246	ug/m3		Y	11/5/2024	11:15	11/19/2024	10:30
CGOSP-3-D-20241105	3	Benzene	Duplicate	2.43	ug/m3	0.191	ug/m3		Y	11/5/2024	11:15	11/19/2024	10:30
CGOSP-3-D-20241105	3	Ethylbenzene	Duplicate	2.35	ug/m3	0.278	ug/m3		Y	11/5/2024	11:15	11/19/2024	10:30
CGOSP-3-D-20241105	3	m-/p-Xylenes	Duplicate	7.86	ug/m3	0.278	ug/m3		Y	11/5/2024	11:15	11/19/2024	10:30

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
CGOSP-3-D-20241105	3	o-Xylene	Duplicate	2.74	ug/m3	0.278	ug/m3		Y	11/5/2024	11:15	11/19/2024	10:30
CGOSP-3-D-20241105	3	Toluene	Duplicate	35.2	ug/m3	0.246	ug/m3		Y	11/5/2024	11:15	11/19/2024	10:30
CGOSP-3-B-20241105	3	Benzene	Blank	<0.191	ug/m3	0.191	ug/m3	ND	N	11/5/2024	11:15	11/19/2024	10:30
CGOSP-3-B-20241105	3	Ethylbenzene	Blank	<0.278	ug/m3	0.278	ug/m3	ND	N	11/5/2024	11:15	11/19/2024	10:30
CGOSP-3-B-20241105	3	m-/p-Xylenes	Blank	<0.278	ug/m3	0.278	ug/m3	ND	N	11/5/2024	11:15	11/19/2024	10:30
CGOSP-3-B-20241105	3	o-Xylene	Blank	<0.278	ug/m3	0.278	ug/m3	ND	N	11/5/2024	11:15	11/19/2024	10:30
CGOSP-3-B-20241105	3	Toluene	Blank	0.955	ug/m3	0.246	ug/m3		Y	11/5/2024	11:15	11/19/2024	10:30
CGOSP-4-S-20241105	4	Benzene	Sample	2.58	ug/m3	0.191	ug/m3		Y	11/5/2024	11:25	11/19/2024	10:40
CGOSP-4-S-20241105	4	Ethylbenzene	Sample	2.71	ug/m3	0.278	ug/m3		Y	11/5/2024	11:25	11/19/2024	10:40
CGOSP-4-S-20241105	4	m-/p-Xylenes	Sample	8.97	ug/m3	0.278	ug/m3		Y	11/5/2024	11:25	11/19/2024	10:40
CGOSP-4-S-20241105	4	o-Xylene	Sample	3.25	ug/m3	0.278	ug/m3		Y	11/5/2024	11:25	11/19/2024	10:40
CGOSP-4-S-20241105	4	Toluene	Sample	26.6	ug/m3	0.246	ug/m3		Y	11/5/2024	11:25	11/19/2024	10:40
CGOSP-5-S-20241105	5	Benzene	Sample	2.74	ug/m3	0.191	ug/m3		Y	11/5/2024	11:30	11/19/2024	10:45
CGOSP-5-S-20241105	5	Ethylbenzene	Sample	1.87	ug/m3	0.278	ug/m3		Y	11/5/2024	11:30	11/19/2024	10:45
CGOSP-5-S-20241105	5	m-/p-Xylenes	Sample	6.34	ug/m3	0.278	ug/m3		Y	11/5/2024	11:30	11/19/2024	10:45
CGOSP-5-S-20241105	5	o-Xylene	Sample	2.11	ug/m3	0.278	ug/m3		Y	11/5/2024	11:30	11/19/2024	10:45
CGOSP-5-S-20241105	5	Toluene	Sample	27.9	ug/m3	0.246	ug/m3		Y	11/5/2024	11:30	11/19/2024	10:45
CGOSP-6-S-20241105	6	Benzene	Sample	2.47	ug/m3	0.191	ug/m3		Y	11/5/2024	11:35	11/19/2024	10:50
CGOSP-6-S-20241105	6	Ethylbenzene	Sample	3.04	ug/m3	0.278	ug/m3		Y	11/5/2024	11:35	11/19/2024	10:50
CGOSP-6-S-20241105	6	m-/p-Xylenes	Sample	9.96	ug/m3	0.278	ug/m3		Y	11/5/2024	11:35	11/19/2024	10:50
CGOSP-6-S-20241105	6	o-Xylene	Sample	3.53	ug/m3	0.278	ug/m3		Y	11/5/2024	11:35	11/19/2024	10:50
CGOSP-6-S-20241105	6	Toluene	Sample	28.7	ug/m3	0.246	ug/m3		Y	11/5/2024	11:35	11/19/2024	10:50
CGOSP-7-S-20241105	7	Benzene	Sample	2.57	ug/m3	0.191	ug/m3		Y	11/5/2024	11:40	11/19/2024	10:55
CGOSP-7-S-20241105	7	Ethylbenzene	Sample	2.62	ug/m3	0.278	ug/m3		Y	11/5/2024	11:40	11/19/2024	10:55
CGOSP-7-S-20241105	7	m-/p-Xylenes	Sample	8.48	ug/m3	0.278	ug/m3		Y	11/5/2024	11:40	11/19/2024	10:55
CGOSP-7-S-20241105	7	o-Xylene	Sample	3.16	ug/m3	0.278	ug/m3		Y	11/5/2024	11:40	11/19/2024	10:55
CGOSP-7-S-20241105	7	Toluene	Sample	30.8	ug/m3	0.246	ug/m3		Y	11/5/2024	11:40	11/19/2024	10:55
CGOSP-8-S-20241105	8	Benzene	Sample	3.09	ug/m3	0.191	ug/m3		Y	11/5/2024	11:45	11/19/2024	11:00
CGOSP-8-S-20241105	8	Ethylbenzene	Sample	1.95	ug/m3	0.278	ug/m3		Y	11/5/2024	11:45	11/19/2024	11:00

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
CGOSP-8-S-20241105	8	m-/p-Xylenes	Sample	6.35	ug/m3	0.278	ug/m3		Y	11/5/2024	11:45	11/19/2024	11:00
CGOSP-8-S-20241105	8	o-Xylene	Sample	2.2	ug/m3	0.278	ug/m3		Y	11/5/2024	11:45	11/19/2024	11:00
CGOSP-8-S-20241105	8	Toluene	Sample	28.4	ug/m3	0.246	ug/m3		Y	11/5/2024	11:45	11/19/2024	11:00
CGOSP-9-S-20241105	9	Benzene	Sample	3.59	ug/m3	0.191	ug/m3		Y	11/5/2024	11:50	11/19/2024	11:05
CGOSP-9-S-20241105	9	Ethylbenzene	Sample	2.27	ug/m3	0.278	ug/m3		Y	11/5/2024	11:50	11/19/2024	11:05
CGOSP-9-S-20241105	9	m-/p-Xylenes	Sample	7.71	ug/m3	0.278	ug/m3		Y	11/5/2024	11:50	11/19/2024	11:05
CGOSP-9-S-20241105	9	o-Xylene	Sample	2.6	ug/m3	0.278	ug/m3		Y	11/5/2024	11:50	11/19/2024	11:05
CGOSP-9-S-20241105	9	Toluene	Sample	31.3	ug/m3	0.246	ug/m3		Y	11/5/2024	11:50	11/19/2024	11:05
CGOSP-9-D-20241105	9	Benzene	Duplicate	3.46	ug/m3	0.191	ug/m3		Y	11/5/2024	11:50	11/19/2024	11:05
CGOSP-9-D-20241105	9	Ethylbenzene	Duplicate	2.12	ug/m3	0.278	ug/m3		Y	11/5/2024	11:50	11/19/2024	11:05
CGOSP-9-D-20241105	9	m-/p-Xylenes	Duplicate	6.95	ug/m3	0.278	ug/m3		Y	11/5/2024	11:50	11/19/2024	11:05
CGOSP-9-D-20241105	9	o-Xylene	Duplicate	2.4	ug/m3	0.278	ug/m3		Y	11/5/2024	11:50	11/19/2024	11:05
CGOSP-9-D-20241105	9	Toluene	Duplicate	24.5	ug/m3	0.246	ug/m3		Y	11/5/2024	11:50	11/19/2024	11:05
CGOSP-9-B-20241105	9	Benzene	Blank	<0.191	ug/m3	0.191	ug/m3	ND	N	11/5/2024	11:50	11/19/2024	11:05
CGOSP-9-B-20241105	9	Ethylbenzene	Blank	<0.278	ug/m3	0.278	ug/m3	ND	N	11/5/2024	11:50	11/19/2024	11:05
CGOSP-9-B-20241105	9	m-/p-Xylenes	Blank	<0.278	ug/m3	0.278	ug/m3	ND	N	11/5/2024	11:50	11/19/2024	11:05
CGOSP-9-B-20241105	9	o-Xylene	Blank	<0.278	ug/m3	0.278	ug/m3	ND	N	11/5/2024	11:50	11/19/2024	11:05
CGOSP-9-B-20241105	9	Toluene	Blank	0.3	ug/m3	0.246	ug/m3	J	Y	11/5/2024	11:50	11/19/2024	11:05
CGOSP-10-S-20241105	10	Benzene	Sample	2.77	ug/m3	0.191	ug/m3		Y	11/5/2024	11:55	11/19/2024	11:15
CGOSP-10-S-20241105	10	Ethylbenzene	Sample	2.61	ug/m3	0.278	ug/m3		Y	11/5/2024	11:55	11/19/2024	11:15
CGOSP-10-S-20241105	10	m-/p-Xylenes	Sample	8.38	ug/m3	0.278	ug/m3		Y	11/5/2024	11:55	11/19/2024	11:15
CGOSP-10-S-20241105	10	o-Xylene	Sample	3.06	ug/m3	0.278	ug/m3		Y	11/5/2024	11:55	11/19/2024	11:15
CGOSP-10-S-20241105	10	Toluene	Sample	28.3	ug/m3	0.246	ug/m3		Y	11/5/2024	11:55	11/19/2024	11:15
CGOSP-11-S-20241105	11	Benzene	Sample	1.64	ug/m3	0.191	ug/m3		Y	11/5/2024	12:00	11/19/2024	11:20
CGOSP-11-S-20241105	11	Ethylbenzene	Sample	1.22	ug/m3	0.278	ug/m3		Y	11/5/2024	12:00	11/19/2024	11:20
CGOSP-11-S-20241105	11	m-/p-Xylenes	Sample	3.91	ug/m3	0.278	ug/m3		Y	11/5/2024	12:00	11/19/2024	11:20
CGOSP-11-S-20241105	11	o-Xylene	Sample	1.43	ug/m3	0.278	ug/m3		Y	11/5/2024	12:00	11/19/2024	11:20
CGOSP-11-S-20241105	11	Toluene	Sample	21.9	ug/m3	0.246	ug/m3		Y	11/5/2024	12:00	11/19/2024	11:20
CGOSP-12-S-20241105	12	Benzene	Sample	1.52	ug/m3	0.191	ug/m3		Y	11/5/2024	12:05	11/19/2024	11:25

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
CGOSP-12-S-20241105	12	Ethylbenzene	Sample	2.21	ug/m3	0.278	ug/m3		Y	11/5/2024	12:05	11/19/2024	11:25
CGOSP-12-S-20241105	12	m-/p-Xylenes	Sample	7.48	ug/m3	0.278	ug/m3		Y	11/5/2024	12:05	11/19/2024	11:25
CGOSP-12-S-20241105	12	o-Xylene	Sample	2.67	ug/m3	0.278	ug/m3		Y	11/5/2024	12:05	11/19/2024	11:25
CGOSP-12-S-20241105	12	Toluene	Sample	24.5	ug/m3	0.246	ug/m3		Y	11/5/2024	12:05	11/19/2024	11:25
CGOSP-13-S-20241105	13	Benzene	Sample	1.74	ug/m3	0.191	ug/m3		Y	11/5/2024	12:10	11/19/2024	11:30
CGOSP-13-S-20241105	13	Ethylbenzene	Sample	2.05	ug/m3	0.278	ug/m3		Y	11/5/2024	12:10	11/19/2024	11:30
CGOSP-13-S-20241105	13	m-/p-Xylenes	Sample	6.55	ug/m3	0.278	ug/m3		Y	11/5/2024	12:10	11/19/2024	11:30
CGOSP-13-S-20241105	13	o-Xylene	Sample	2.26	ug/m3	0.278	ug/m3		Y	11/5/2024	12:10	11/19/2024	11:30
CGOSP-13-S-20241105	13	Toluene	Sample	22.4	ug/m3	0.246	ug/m3		Y	11/5/2024	12:10	11/19/2024	11:30
CGOSP-14-S-20241105	14	Benzene	Sample	2.09	ug/m3	0.191	ug/m3		Y	11/5/2024	12:15	11/19/2024	11:35
CGOSP-14-S-20241105	14	Ethylbenzene	Sample	2.41	ug/m3	0.278	ug/m3		Y	11/5/2024	12:15	11/19/2024	11:35
CGOSP-14-S-20241105	14	m-/p-Xylenes	Sample	7.69	ug/m3	0.278	ug/m3		Y	11/5/2024	12:15	11/19/2024	11:35
CGOSP-14-S-20241105	14	o-Xylene	Sample	2.78	ug/m3	0.278	ug/m3		Y	11/5/2024	12:15	11/19/2024	11:35
CGOSP-14-S-20241105	14	Toluene	Sample	34.5	ug/m3	0.246	ug/m3		Y	11/5/2024	12:15	11/19/2024	11:35
CGOSP-15-S-20241105	15	Benzene	Sample	1.62	ug/m3	0.191	ug/m3		Y	11/5/2024	12:20	11/19/2024	11:40
CGOSP-15-S-20241105	15	Ethylbenzene	Sample	2.15	ug/m3	0.278	ug/m3		Y	11/5/2024	12:20	11/19/2024	11:40
CGOSP-15-S-20241105	15	m-/p-Xylenes	Sample	6.87	ug/m3	0.278	ug/m3		Y	11/5/2024	12:20	11/19/2024	11:40
CGOSP-15-S-20241105	15	o-Xylene	Sample	2.43	ug/m3	0.278	ug/m3		Y	11/5/2024	12:20	11/19/2024	11:40
CGOSP-15-S-20241105	15	Toluene	Sample	28.2	ug/m3	0.246	ug/m3		Y	11/5/2024	12:20	11/19/2024	11:40
CGOSP-16-S-20241105	16	Benzene	Sample	1.38	ug/m3	0.191	ug/m3		Y	11/5/2024	12:25	11/19/2024	11:45
CGOSP-16-S-20241105	16	Ethylbenzene	Sample	2.05	ug/m3	0.278	ug/m3		Y	11/5/2024	12:25	11/19/2024	11:45
CGOSP-16-S-20241105	16	m-/p-Xylenes	Sample	6.69	ug/m3	0.278	ug/m3		Y	11/5/2024	12:25	11/19/2024	11:45
CGOSP-16-S-20241105	16	o-Xylene	Sample	2.44	ug/m3	0.278	ug/m3		Y	11/5/2024	12:25	11/19/2024	11:45
CGOSP-16-S-20241105	16	Toluene	Sample	23.8	ug/m3	0.246	ug/m3		Y	11/5/2024	12:25	11/19/2024	11:45
CGOSP-17-S-20241105	17	Benzene	Sample	1.6	ug/m3	0.191	ug/m3		Y	11/5/2024	12:30	11/19/2024	11:50
CGOSP-17-S-20241105	17	Ethylbenzene	Sample	1.98	ug/m3	0.278	ug/m3		Y	11/5/2024	12:30	11/19/2024	11:50
CGOSP-17-S-20241105	17	m-/p-Xylenes	Sample	6.74	ug/m3	0.278	ug/m3		Y	11/5/2024	12:30	11/19/2024	11:50
CGOSP-17-S-20241105	17	o-Xylene	Sample	2.44	ug/m3	0.278	ug/m3		Y	11/5/2024	12:30	11/19/2024	11:50
CGOSP-17-S-20241105	17	Toluene	Sample	23.7	ug/m3	0.246	ug/m3		Y	11/5/2024	12:30	11/19/2024	11:50

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
CGOSP-18-S-20241105	18	Benzene	Sample	2	ug/m3	0.191	ug/m3		Y	11/5/2024	12:35	11/19/2024	11:55
CGOSP-18-S-20241105	18	Ethylbenzene	Sample	2.13	ug/m3	0.278	ug/m3		Y	11/5/2024	12:35	11/19/2024	11:55
CGOSP-18-S-20241105	18	m-/p-Xylenes	Sample	7.49	ug/m3	0.278	ug/m3		Y	11/5/2024	12:35	11/19/2024	11:55
CGOSP-18-S-20241105	18	o-Xylene	Sample	2.79	ug/m3	0.278	ug/m3		Y	11/5/2024	12:35	11/19/2024	11:55
CGOSP-18-S-20241105	18	Toluene	Sample	27.5	ug/m3	0.246	ug/m3		Y	11/5/2024	12:35	11/19/2024	11:55
CGOSP-1-S-20241119	1	Benzene	Sample	1.16	ug/m3	0.193	ug/m3		Y	11/19/2024	10:20	12/3/2024	09:50
CGOSP-1-S-20241119	1	Ethylbenzene	Sample	0.71	ug/m3	0.28	ug/m3		Y	11/19/2024	10:20	12/3/2024	09:50
CGOSP-1-S-20241119	1	m-/p-Xylenes	Sample	1.76	ug/m3	0.28	ug/m3		Y	11/19/2024	10:20	12/3/2024	09:50
CGOSP-1-S-20241119	1	o-Xylene	Sample	0.561	ug/m3	0.28	ug/m3	J	Y	11/19/2024	10:20	12/3/2024	09:50
CGOSP-1-S-20241119	1	Toluene	Sample	3.02	ug/m3	0.248	ug/m3		Y	11/19/2024	10:20	12/3/2024	09:50
CGOSP-2-S-20241119	2	Benzene	Sample	0.914	ug/m3	0.193	ug/m3		Y	11/19/2024	10:25	12/3/2024	09:55
CGOSP-2-S-20241119	2	Ethylbenzene	Sample	0.371	ug/m3	0.28	ug/m3	J	Y	11/19/2024	10:25	12/3/2024	09:55
CGOSP-2-S-20241119	2	m-/p-Xylenes	Sample	1.13	ug/m3	0.28	ug/m3		Y	11/19/2024	10:25	12/3/2024	09:55
CGOSP-2-S-20241119	2	o-Xylene	Sample	0.366	ug/m3	0.28	ug/m3	J	Y	11/19/2024	10:25	12/3/2024	09:55
CGOSP-2-S-20241119	2	Toluene	Sample	2.38	ug/m3	0.248	ug/m3		Y	11/19/2024	10:25	12/3/2024	09:55
CGOSP-3-S-20241119	3	Benzene	Sample	1.24	ug/m3	0.193	ug/m3		Y	11/19/2024	10:30	12/3/2024	10:00
CGOSP-3-S-20241119	3	Ethylbenzene	Sample	0.626	ug/m3	0.28	ug/m3		Y	11/19/2024	10:30	12/3/2024	10:00
CGOSP-3-S-20241119	3	m-/p-Xylenes	Sample	2.17	ug/m3	0.28	ug/m3		Y	11/19/2024	10:30	12/3/2024	10:00
CGOSP-3-S-20241119	3	o-Xylene	Sample	0.711	ug/m3	0.28	ug/m3		Y	11/19/2024	10:30	12/3/2024	10:00
CGOSP-3-S-20241119	3	Toluene	Sample	3.4	ug/m3	0.248	ug/m3		Y	11/19/2024	10:30	12/3/2024	10:00
CGOSP-3-D-20241119	3	Benzene	Duplicate	1.18	ug/m3	0.193	ug/m3		Y	11/19/2024	10:30	12/3/2024	10:00
CGOSP-3-D-20241119	3	Ethylbenzene	Duplicate	0.791	ug/m3	0.28	ug/m3		Y	11/19/2024	10:30	12/3/2024	10:00
CGOSP-3-D-20241119	3	m-/p-Xylenes	Duplicate	2.35	ug/m3	0.28	ug/m3		Y	11/19/2024	10:30	12/3/2024	10:00
CGOSP-3-D-20241119	3	o-Xylene	Duplicate	0.875	ug/m3	0.28	ug/m3		Y	11/19/2024	10:30	12/3/2024	10:00
CGOSP-3-D-20241119	3	Toluene	Duplicate	3.61	ug/m3	0.248	ug/m3		Y	11/19/2024	10:30	12/3/2024	10:00
CGOSP-3-B-20241119	3	Benzene	Blank	<0.193	ug/m3	0.193	ug/m3	ND	N	11/19/2024	10:30	12/3/2024	10:00
CGOSP-3-B-20241119	3	Ethylbenzene	Blank	<0.28	ug/m3	0.28	ug/m3	ND	N	11/19/2024	10:30	12/3/2024	10:00
CGOSP-3-B-20241119	3	m-/p-Xylenes	Blank	<0.28	ug/m3	0.28	ug/m3	ND	N	11/19/2024	10:30	12/3/2024	10:00
CGOSP-3-B-20241119	3	o-Xylene	Blank	<0.28	ug/m3	0.28	ug/m3	ND	N	11/19/2024	10:30	12/3/2024	10:00

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
CGOSP-3-B-20241119	3	Toluene	Blank	<0.248	ug/m3	0.248	ug/m3	ND	N	11/19/2024	10:30	12/3/2024	10:00
CGOSP-4-S-20241119	4	Benzene	Sample	1.83	ug/m3	0.193	ug/m3		Y	11/19/2024	10:40	12/3/2024	10:10
CGOSP-4-S-20241119	4	Ethylbenzene	Sample	1.15	ug/m3	0.28	ug/m3		Y	11/19/2024	10:40	12/3/2024	10:10
CGOSP-4-S-20241119	4	m-/p-Xylenes	Sample	3.53	ug/m3	0.28	ug/m3		Y	11/19/2024	10:40	12/3/2024	10:10
CGOSP-4-S-20241119	4	o-Xylene	Sample	1.32	ug/m3	0.28	ug/m3		Y	11/19/2024	10:40	12/3/2024	10:10
CGOSP-4-S-20241119	4	Toluene	Sample	5.81	ug/m3	0.248	ug/m3		Y	11/19/2024	10:40	12/3/2024	10:10
CGOSP-5-S-20241119	5	Benzene	Sample	2.45	ug/m3	0.193	ug/m3		Y	11/19/2024	10:45	12/3/2024	10:15
CGOSP-5-S-20241119	5	Ethylbenzene	Sample	1.96	ug/m3	0.28	ug/m3		Y	11/19/2024	10:45	12/3/2024	10:15
CGOSP-5-S-20241119	5	m-/p-Xylenes	Sample	6.54	ug/m3	0.28	ug/m3		Y	11/19/2024	10:45	12/3/2024	10:15
CGOSP-5-S-20241119	5	o-Xylene	Sample	2.26	ug/m3	0.28	ug/m3		Y	11/19/2024	10:45	12/3/2024	10:15
CGOSP-5-S-20241119	5	Toluene	Sample	8.24	ug/m3	0.248	ug/m3		Y	11/19/2024	10:45	12/3/2024	10:15
CGOSP-6-S-20241119	6	Benzene	Sample	2.55	ug/m3	0.193	ug/m3		Y	11/19/2024	10:50	12/3/2024	10:20
CGOSP-6-S-20241119	6	Ethylbenzene	Sample	2.3	ug/m3	0.28	ug/m3		Y	11/19/2024	10:50	12/3/2024	10:20
CGOSP-6-S-20241119	6	m-/p-Xylenes	Sample	8.38	ug/m3	0.28	ug/m3		Y	11/19/2024	10:50	12/3/2024	10:20
CGOSP-6-S-20241119	6	o-Xylene	Sample	2.8	ug/m3	0.28	ug/m3		Y	11/19/2024	10:50	12/3/2024	10:20
CGOSP-6-S-20241119	6	Toluene	Sample	8.65	ug/m3	0.248	ug/m3		Y	11/19/2024	10:50	12/3/2024	10:20
CGOSP-7-S-20241119	7	Benzene	Sample	2.1	ug/m3	0.193	ug/m3		Y	11/19/2024	10:55	12/3/2024	10:25
CGOSP-7-S-20241119	7	Ethylbenzene	Sample	1.31	ug/m3	0.28	ug/m3		Y	11/19/2024	10:55	12/3/2024	10:25
CGOSP-7-S-20241119	7	m-/p-Xylenes	Sample	4.6	ug/m3	0.28	ug/m3		Y	11/19/2024	10:55	12/3/2024	10:25
CGOSP-7-S-20241119	7	o-Xylene	Sample	1.55	ug/m3	0.28	ug/m3		Y	11/19/2024	10:55	12/3/2024	10:25
CGOSP-7-S-20241119	7	Toluene	Sample	6.99	ug/m3	0.248	ug/m3		Y	11/19/2024	10:55	12/3/2024	10:25
CGOSP-8-S-20241119	8	Benzene	Sample	2.64	ug/m3	0.193	ug/m3		Y	11/19/2024	11:00	12/3/2024	10:30
CGOSP-8-S-20241119	8	Ethylbenzene	Sample	1.67	ug/m3	0.28	ug/m3		Y	11/19/2024	11:00	12/3/2024	10:30
CGOSP-8-S-20241119	8	m-/p-Xylenes	Sample	5.62	ug/m3	0.28	ug/m3		Y	11/19/2024	11:00	12/3/2024	10:30
CGOSP-8-S-20241119	8	o-Xylene	Sample	1.92	ug/m3	0.28	ug/m3		Y	11/19/2024	11:00	12/3/2024	10:30
CGOSP-8-S-20241119	8	Toluene	Sample	10.8	ug/m3	0.248	ug/m3		Y	11/19/2024	11:00	12/3/2024	10:30
CGOSP-9-S-20241119	9	Benzene	Sample	2.16	ug/m3	0.193	ug/m3		Y	11/19/2024	11:05	12/3/2024	10:35
CGOSP-9-S-20241119	9	Ethylbenzene	Sample	1.25	ug/m3	0.28	ug/m3		Y	11/19/2024	11:05	12/3/2024	10:35
CGOSP-9-S-20241119	9	m-/p-Xylenes	Sample	3.99	ug/m3	0.28	ug/m3		Y	11/19/2024	11:05	12/3/2024	10:35

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
CGOSP-9-S-20241119	9	o-Xylene	Sample	1.32	ug/m3	0.28	ug/m3		Y	11/19/2024	11:05	12/3/2024	10:35
CGOSP-9-S-20241119	9	Toluene	Sample	7.75	ug/m3	0.248	ug/m3		Y	11/19/2024	11:05	12/3/2024	10:35
CGOSP-9-D-20241119	9	Benzene	Duplicate	2.11	ug/m3	0.193	ug/m3		Y	11/19/2024	11:05	12/3/2024	10:35
CGOSP-9-D-20241119	9	Ethylbenzene	Duplicate	1.54	ug/m3	0.28	ug/m3		Y	11/19/2024	11:05	12/3/2024	10:35
CGOSP-9-D-20241119	9	m-/p-Xylenes	Duplicate	4.8	ug/m3	0.28	ug/m3		Y	11/19/2024	11:05	12/3/2024	10:35
CGOSP-9-D-20241119	9	o-Xylene	Duplicate	1.6	ug/m3	0.28	ug/m3		Y	11/19/2024	11:05	12/3/2024	10:35
CGOSP-9-D-20241119	9	Toluene	Duplicate	7.8	ug/m3	0.248	ug/m3		Y	11/19/2024	11:05	12/3/2024	10:35
CGOSP-9-B-20241119	9	Benzene	Blank	<0.193	ug/m3	0.193	ug/m3	ND	N	11/19/2024	11:05	12/3/2024	10:35
CGOSP-9-B-20241119	9	Ethylbenzene	Blank	<0.28	ug/m3	0.28	ug/m3	ND	N	11/19/2024	11:05	12/3/2024	10:35
CGOSP-9-B-20241119	9	m-/p-Xylenes	Blank	<0.28	ug/m3	0.28	ug/m3	ND	N	11/19/2024	11:05	12/3/2024	10:35
CGOSP-9-B-20241119	9	o-Xylene	Blank	<0.28	ug/m3	0.28	ug/m3	ND	N	11/19/2024	11:05	12/3/2024	10:35
CGOSP-9-B-20241119	9	Toluene	Blank	<0.248	ug/m3	0.248	ug/m3	ND	N	11/19/2024	11:05	12/3/2024	10:35
CGOSP-10-S-20241119	10	Benzene	Sample	1.45	ug/m3	0.193	ug/m3		Y	11/19/2024	11:15	12/3/2024	10:45
CGOSP-10-S-20241119	10	Ethylbenzene	Sample	0.786	ug/m3	0.28	ug/m3		Y	11/19/2024	11:15	12/3/2024	10:45
CGOSP-10-S-20241119	10	m-/p-Xylenes	Sample	2.46	ug/m3	0.28	ug/m3		Y	11/19/2024	11:15	12/3/2024	10:45
CGOSP-10-S-20241119	10	o-Xylene	Sample	0.881	ug/m3	0.28	ug/m3		Y	11/19/2024	11:15	12/3/2024	10:45
CGOSP-10-S-20241119	10	Toluene	Sample	4.15	ug/m3	0.248	ug/m3		Y	11/19/2024	11:15	12/3/2024	10:45
CGOSP-11-S-20241119	11	Benzene	Sample	1.42	ug/m3	0.193	ug/m3		Y	11/19/2024	11:20	12/3/2024	10:50
CGOSP-11-S-20241119	11	Ethylbenzene	Sample	0.771	ug/m3	0.28	ug/m3		Y	11/19/2024	11:20	12/3/2024	10:50
CGOSP-11-S-20241119	11	m-/p-Xylenes	Sample	2.83	ug/m3	0.28	ug/m3		Y	11/19/2024	11:20	12/3/2024	10:50
CGOSP-11-S-20241119	11	o-Xylene	Sample	0.951	ug/m3	0.28	ug/m3		Y	11/19/2024	11:20	12/3/2024	10:50
CGOSP-11-S-20241119	11	Toluene	Sample	4.7	ug/m3	0.248	ug/m3		Y	11/19/2024	11:20	12/3/2024	10:50
CGOSP-12-S-20241119	12	Benzene	Sample	1.35	ug/m3	0.193	ug/m3		Y	11/19/2024	11:25	12/3/2024	10:55
CGOSP-12-S-20241119	12	Ethylbenzene	Sample	0.802	ug/m3	0.28	ug/m3		Y	11/19/2024	11:25	12/3/2024	10:55
CGOSP-12-S-20241119	12	m-/p-Xylenes	Sample	2.92	ug/m3	0.28	ug/m3		Y	11/19/2024	11:25	12/3/2024	10:55
CGOSP-12-S-20241119	12	o-Xylene	Sample	0.976	ug/m3	0.28	ug/m3		Y	11/19/2024	11:25	12/3/2024	10:55
CGOSP-12-S-20241119	12	Toluene	Sample	4.03	ug/m3	0.248	ug/m3		Y	11/19/2024	11:25	12/3/2024	10:55
CGOSP-13-S-20241119	13	Benzene	Sample	1.38	ug/m3	0.193	ug/m3		Y	11/19/2024	11:30	12/3/2024	11:00
CGOSP-13-S-20241119	13	Ethylbenzene	Sample	0.916	ug/m3	0.28	ug/m3		Y	11/19/2024	11:30	12/3/2024	11:00

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
CGOSP-13-S-20241119	13	m-/p-Xylenes	Sample	3.17	ug/m3	0.28	ug/m3		Y	11/19/2024	11:30	12/3/2024	11:00
CGOSP-13-S-20241119	13	o-Xylene	Sample	1.1	ug/m3	0.28	ug/m3		Y	11/19/2024	11:30	12/3/2024	11:00
CGOSP-13-S-20241119	13	Toluene	Sample	4.29	ug/m3	0.248	ug/m3		Y	11/19/2024	11:30	12/3/2024	11:00
CGOSP-14-S-20241119	14	Benzene	Sample	1.72	ug/m3	0.193	ug/m3		Y	11/19/2024	11:35	12/3/2024	11:05
CGOSP-14-S-20241119	14	Ethylbenzene	Sample	0.927	ug/m3	0.28	ug/m3		Y	11/19/2024	11:35	12/3/2024	11:05
CGOSP-14-S-20241119	14	m-/p-Xylenes	Sample	2.94	ug/m3	0.28	ug/m3		Y	11/19/2024	11:35	12/3/2024	11:05
CGOSP-14-S-20241119	14	o-Xylene	Sample	1.07	ug/m3	0.28	ug/m3		Y	11/19/2024	11:35	12/3/2024	11:05
CGOSP-14-S-20241119	14	Toluene	Sample	4.42	ug/m3	0.248	ug/m3		Y	11/19/2024	11:35	12/3/2024	11:05
CGOSP-15-S-20241119	15	Benzene	Sample	1.55	ug/m3	0.193	ug/m3		Y	11/19/2024	11:40	12/3/2024	11:10
CGOSP-15-S-20241119	15	Ethylbenzene	Sample	1.2	ug/m3	0.28	ug/m3		Y	11/19/2024	11:40	12/3/2024	11:10
CGOSP-15-S-20241119	15	m-/p-Xylenes	Sample	3.82	ug/m3	0.28	ug/m3		Y	11/19/2024	11:40	12/3/2024	11:10
CGOSP-15-S-20241119	15	o-Xylene	Sample	1.25	ug/m3	0.28	ug/m3		Y	11/19/2024	11:40	12/3/2024	11:10
CGOSP-15-S-20241119	15	Toluene	Sample	5.32	ug/m3	0.248	ug/m3		Y	11/19/2024	11:40	12/3/2024	11:10
CGOSP-16-S-20241119	16	Benzene	Sample	1.56	ug/m3	0.193	ug/m3		Y	11/19/2024	11:45	12/3/2024	11:15
CGOSP-16-S-20241119	16	Ethylbenzene	Sample	0.975	ug/m3	0.28	ug/m3		Y	11/19/2024	11:45	12/3/2024	11:15
CGOSP-16-S-20241119	16	m-/p-Xylenes	Sample	3.08	ug/m3	0.28	ug/m3		Y	11/19/2024	11:45	12/3/2024	11:15
CGOSP-16-S-20241119	16	o-Xylene	Sample	1.02	ug/m3	0.28	ug/m3		Y	11/19/2024	11:45	12/3/2024	11:15
CGOSP-16-S-20241119	16	Toluene	Sample	5.07	ug/m3	0.248	ug/m3		Y	11/19/2024	11:45	12/3/2024	11:15
CGOSP-17-S-20241119	17	Benzene	Sample	1.23	ug/m3	0.193	ug/m3		Y	11/19/2024	11:50	12/3/2024	11:20
CGOSP-17-S-20241119	17	Ethylbenzene	Sample	0.577	ug/m3	0.28	ug/m3	J	Y	11/19/2024	11:50	12/3/2024	11:20
CGOSP-17-S-20241119	17	m-/p-Xylenes	Sample	2.08	ug/m3	0.28	ug/m3		Y	11/19/2024	11:50	12/3/2024	11:20
CGOSP-17-S-20241119	17	o-Xylene	Sample	0.695	ug/m3	0.28	ug/m3		Y	11/19/2024	11:50	12/3/2024	11:20
CGOSP-17-S-20241119	17	Toluene	Sample	3.34	ug/m3	0.248	ug/m3		Y	11/19/2024	11:50	12/3/2024	11:20
CGOSP-18-S-20241119	18	Benzene	Sample	1.19	ug/m3	0.193	ug/m3		Y	11/19/2024	11:55	12/3/2024	11:30
CGOSP-18-S-20241119	18	Ethylbenzene	Sample	0.49	ug/m3	0.28	ug/m3	J	Y	11/19/2024	11:55	12/3/2024	11:30
CGOSP-18-S-20241119	18	m-/p-Xylenes	Sample	1.79	ug/m3	0.28	ug/m3		Y	11/19/2024	11:55	12/3/2024	11:30
CGOSP-18-S-20241119	18	o-Xylene	Sample	0.586	ug/m3	0.28	ug/m3	J	Y	11/19/2024	11:55	12/3/2024	11:30
CGOSP-18-S-20241119	18	Toluene	Sample	2.98	ug/m3	0.248	ug/m3		Y	11/19/2024	11:55	12/3/2024	11:30
CGOSP-1-S-20241203	1	Benzene	Sample	1.9	ug/m3	0.194	ug/m3		Y	12/3/2024	09:50	12/17/2024	09:45

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
CGOSP-1-S-20241203	1	Ethylbenzene	Sample	0.92	ug/m3	0.282	ug/m3		Y	12/3/2024	09:50	12/17/2024	09:45
CGOSP-1-S-20241203	1	m-/p-Xylenes	Sample	2.99	ug/m3	0.282	ug/m3	P	Y	12/3/2024	09:50	12/17/2024	09:45
CGOSP-1-S-20241203	1	o-Xylene	Sample	0.953	ug/m3	0.282	ug/m3	Pc	Y	12/3/2024	09:50	12/17/2024	09:45
CGOSP-1-S-20241203	1	Toluene	Sample	5.76	ug/m3	0.25	ug/m3		Y	12/3/2024	09:50	12/17/2024	09:45
CGOSP-2-S-20241203	2	Benzene	Sample	1.59	ug/m3	0.194	ug/m3		Y	12/3/2024	09:55	12/17/2024	09:50
CGOSP-2-S-20241203	2	Ethylbenzene	Sample	0.57	ug/m3	0.282	ug/m3	J	Y	12/3/2024	09:55	12/17/2024	09:50
CGOSP-2-S-20241203	2	m-/p-Xylenes	Sample	1.91	ug/m3	0.282	ug/m3	P	Y	12/3/2024	09:55	12/17/2024	09:50
CGOSP-2-S-20241203	2	o-Xylene	Sample	0.717	ug/m3	0.282	ug/m3	Pc	Y	12/3/2024	09:55	12/17/2024	09:50
CGOSP-2-S-20241203	2	Toluene	Sample	5.28	ug/m3	0.25	ug/m3		Y	12/3/2024	09:55	12/17/2024	09:50
CGOSP-3-S-20241203	3	Benzene	Sample	1.79	ug/m3	0.194	ug/m3		Y	12/3/2024	10:00	12/17/2024	10:00
CGOSP-3-S-20241203	3	Ethylbenzene	Sample	0.773	ug/m3	0.282	ug/m3		Y	12/3/2024	10:00	12/17/2024	10:00
CGOSP-3-S-20241203	3	m-/p-Xylenes	Sample	2.2	ug/m3	0.282	ug/m3	P	Y	12/3/2024	10:00	12/17/2024	10:00
CGOSP-3-S-20241203	3	o-Xylene	Sample	0.714	ug/m3	0.282	ug/m3	Pc	Y	12/3/2024	10:00	12/17/2024	10:00
CGOSP-3-S-20241203	3	Toluene	Sample	5.27	ug/m3	0.249	ug/m3		Y	12/3/2024	10:00	12/17/2024	10:00
CGOSP-3-D-20241203	3	Benzene	Duplicate	2.14	ug/m3	0.194	ug/m3		Y	12/3/2024	10:00	12/17/2024	10:00
CGOSP-3-D-20241203	3	Ethylbenzene	Duplicate	0.922	ug/m3	0.282	ug/m3		Y	12/3/2024	10:00	12/17/2024	10:00
CGOSP-3-D-20241203	3	m-/p-Xylenes	Duplicate	3.08	ug/m3	0.282	ug/m3	P	Y	12/3/2024	10:00	12/17/2024	10:00
CGOSP-3-D-20241203	3	o-Xylene	Duplicate	1.06	ug/m3	0.282	ug/m3	Pc	Y	12/3/2024	10:00	12/17/2024	10:00
CGOSP-3-D-20241203	3	Toluene	Duplicate	7.16	ug/m3	0.249	ug/m3		Y	12/3/2024	10:00	12/17/2024	10:00
CGOSP-3-B-20241203	3	Benzene	Blank	<0.194	ug/m3	0.194	ug/m3	ND	N	12/3/2024	10:00	12/17/2024	10:00
CGOSP-3-B-20241203	3	Ethylbenzene	Blank	<0.282	ug/m3	0.282	ug/m3	ND	N	12/3/2024	10:00	12/17/2024	10:00
CGOSP-3-B-20241203	3	m-/p-Xylenes	Blank	<0.282	ug/m3	0.282	ug/m3	ND,P	N	12/3/2024	10:00	12/17/2024	10:00
CGOSP-3-B-20241203	3	o-Xylene	Blank	<0.282	ug/m3	0.282	ug/m3	ND,Pc	N	12/3/2024	10:00	12/17/2024	10:00
CGOSP-3-B-20241203	3	Toluene	Blank	<0.249	ug/m3	0.249	ug/m3	ND	N	12/3/2024	10:00	12/17/2024	10:00
CGOSP-4-S-20241203	4	Benzene	Sample	2.05	ug/m3	0.194	ug/m3		Y	12/3/2024	10:10	12/17/2024	10:10
CGOSP-4-S-20241203	4	Ethylbenzene	Sample	1.06	ug/m3	0.282	ug/m3		Y	12/3/2024	10:10	12/17/2024	10:10
CGOSP-4-S-20241203	4	m-/p-Xylenes	Sample	3.61	ug/m3	0.282	ug/m3	P	Y	12/3/2024	10:10	12/17/2024	10:10
CGOSP-4-S-20241203	4	o-Xylene	Sample	1.26	ug/m3	0.282	ug/m3	Pc	Y	12/3/2024	10:10	12/17/2024	10:10
CGOSP-4-S-20241203	4	Toluene	Sample	7.11	ug/m3	0.249	ug/m3		Y	12/3/2024	10:10	12/17/2024	10:10

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
CGOSP-5-S-20241203	5	Benzene	Sample	2.76	ug/m3	0.194	ug/m3		Y	12/3/2024	10:15	12/17/2024	10:15
CGOSP-5-S-20241203	5	Ethylbenzene	Sample	2.22	ug/m3	0.282	ug/m3		Y	12/3/2024	10:15	12/17/2024	10:15
CGOSP-5-S-20241203	5	m-/p-Xylenes	Sample	7.14	ug/m3	0.282	ug/m3	P	Y	12/3/2024	10:15	12/17/2024	10:15
CGOSP-5-S-20241203	5	o-Xylene	Sample	2.4	ug/m3	0.282	ug/m3	Pc	Y	12/3/2024	10:15	12/17/2024	10:15
CGOSP-5-S-20241203	5	Toluene	Sample	10.2	ug/m3	0.249	ug/m3		Y	12/3/2024	10:15	12/17/2024	10:15
CGOSP-6-S-20241203	6	Benzene	Sample	2.69	ug/m3	0.194	ug/m3		Y	12/3/2024	10:20	12/17/2024	10:20
CGOSP-6-S-20241203	6	Ethylbenzene	Sample	1.93	ug/m3	0.282	ug/m3		Y	12/3/2024	10:20	12/17/2024	10:20
CGOSP-6-S-20241203	6	m-/p-Xylenes	Sample	6.3	ug/m3	0.282	ug/m3	P	Y	12/3/2024	10:20	12/17/2024	10:20
CGOSP-6-S-20241203	6	o-Xylene	Sample	2.1	ug/m3	0.282	ug/m3	Pc	Y	12/3/2024	10:20	12/17/2024	10:20
CGOSP-6-S-20241203	6	Toluene	Sample	10.3	ug/m3	0.249	ug/m3		Y	12/3/2024	10:20	12/17/2024	10:20
CGOSP-7-S-20241203	7	Benzene	Sample	2.32	ug/m3	0.194	ug/m3		Y	12/3/2024	10:25	12/17/2024	10:25
CGOSP-7-S-20241203	7	Ethylbenzene	Sample	1.54	ug/m3	0.282	ug/m3		Y	12/3/2024	10:25	12/17/2024	10:25
CGOSP-7-S-20241203	7	Toluene	Sample	9.45	ug/m3	0.249	ug/m3		Y	12/3/2024	10:25	12/17/2024	10:25
CGOSP-7-S-20241203	7	m-/p-Xylenes	Sample	5.31	ug/m3	0.282	ug/m3	P	Y	12/3/2024	10:25	12/17/2024	10:25
CGOSP-7-S-20241203	7	o-Xylene	Sample	1.74	ug/m3	0.282	ug/m3	Pc	Y	12/3/2024	10:25	12/17/2024	10:25
CGOSP-8-S-20241203	8	Benzene	Sample	2.63	ug/m3	0.194	ug/m3		Y	12/3/2024	10:30	12/17/2024	10:30
CGOSP-8-S-20241203	8	Ethylbenzene	Sample	1.55	ug/m3	0.282	ug/m3		Y	12/3/2024	10:30	12/17/2024	10:30
CGOSP-8-S-20241203	8	Toluene	Sample	10	ug/m3	0.249	ug/m3		Y	12/3/2024	10:30	12/17/2024	10:30
CGOSP-8-S-20241203	8	m-/p-Xylenes	Sample	4.6	ug/m3	0.282	ug/m3	P	Y	12/3/2024	10:30	12/17/2024	10:30
CGOSP-8-S-20241203	8	o-Xylene	Sample	1.46	ug/m3	0.282	ug/m3	Pc	Y	12/3/2024	10:30	12/17/2024	10:30
CGOSP-9-S-20241203	9	Benzene	Sample	2.5	ug/m3	0.194	ug/m3		Y	12/3/2024	10:35	12/17/2024	10:35
CGOSP-9-S-20241203	9	Ethylbenzene	Sample	1.17	ug/m3	0.282	ug/m3		Y	12/3/2024	10:35	12/17/2024	10:35
CGOSP-9-S-20241203	9	Toluene	Sample	9.53	ug/m3	0.249	ug/m3		Y	12/3/2024	10:35	12/17/2024	10:35
CGOSP-9-S-20241203	9	m-/p-Xylenes	Sample	4.1	ug/m3	0.282	ug/m3	P	Y	12/3/2024	10:35	12/17/2024	10:35
CGOSP-9-S-20241203	9	o-Xylene	Sample	1.43	ug/m3	0.282	ug/m3	Pc	Y	12/3/2024	10:35	12/17/2024	10:35
CGOSP-9-D-20241203	9	Benzene	Duplicate	2.43	ug/m3	0.194	ug/m3		Y	12/3/2024	10:35	12/17/2024	10:35
CGOSP-9-D-20241203	9	Ethylbenzene	Duplicate	1.16	ug/m3	0.282	ug/m3		Y	12/3/2024	10:35	12/17/2024	10:35
CGOSP-9-D-20241203	9	Toluene	Duplicate	8.86	ug/m3	0.249	ug/m3		Y	12/3/2024	10:35	12/17/2024	10:35
CGOSP-9-D-20241203	9	m-/p-Xylenes	Duplicate	3.66	ug/m3	0.282	ug/m3	P	Y	12/3/2024	10:35	12/17/2024	10:35

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
CGOSP-9-D-20241203	9	o-Xylene	Duplicate	1.32	ug/m3	0.282	ug/m3	Pc	Y	12/3/2024	10:35	12/17/2024	10:35
CGOSP-9-B-20241203	9	Benzene	Blank	<0.194	ug/m3	0.194	ug/m3	ND	N	12/3/2024	10:35	12/17/2024	10:35
CGOSP-9-B-20241203	9	Ethylbenzene	Blank	<0.282	ug/m3	0.282	ug/m3	ND	N	12/3/2024	10:35	12/17/2024	10:35
CGOSP-9-B-20241203	9	m-/p-Xylenes	Blank	<0.282	ug/m3	0.282	ug/m3	ND,P	N	12/3/2024	10:35	12/17/2024	10:35
CGOSP-9-B-20241203	9	o-Xylene	Blank	<0.282	ug/m3	0.282	ug/m3	ND,Pc	N	12/3/2024	10:35	12/17/2024	10:35
CGOSP-9-B-20241203	9	Toluene	Blank	<0.249	ug/m3	0.249	ug/m3	ND	N	12/3/2024	10:35	12/17/2024	10:35
CGOSP-10-S-20241203	10	Benzene	Sample	2.04	ug/m3	0.194	ug/m3		Y	12/3/2024	10:45	12/17/2024	10:40
CGOSP-10-S-20241203	10	Ethylbenzene	Sample	1.05	ug/m3	0.282	ug/m3		Y	12/3/2024	10:45	12/17/2024	10:40
CGOSP-10-S-20241203	10	Toluene	Sample	8.34	ug/m3	0.25	ug/m3		Y	12/3/2024	10:45	12/17/2024	10:40
CGOSP-10-S-20241203	10	m-/p-Xylenes	Sample	3.42	ug/m3	0.282	ug/m3	P	Y	12/3/2024	10:45	12/17/2024	10:40
CGOSP-10-S-20241203	10	o-Xylene	Sample	1.18	ug/m3	0.282	ug/m3	Pc	Y	12/3/2024	10:45	12/17/2024	10:40
CGOSP-11-S-20241203	11	Benzene	Sample	1.66	ug/m3	0.194	ug/m3		Y	12/3/2024	10:50	12/17/2024	10:45
CGOSP-11-S-20241203	11	Ethylbenzene	Sample	0.963	ug/m3	0.282	ug/m3		Y	12/3/2024	10:50	12/17/2024	10:45
CGOSP-11-S-20241203	11	Toluene	Sample	6.88	ug/m3	0.25	ug/m3		Y	12/3/2024	10:50	12/17/2024	10:45
CGOSP-11-S-20241203	11	m-/p-Xylenes	Sample	3.12	ug/m3	0.282	ug/m3	P	Y	12/3/2024	10:50	12/17/2024	10:45
CGOSP-11-S-20241203	11	o-Xylene	Sample	1.03	ug/m3	0.282	ug/m3	Pc	Y	12/3/2024	10:50	12/17/2024	10:45
CGOSP-12-S-20241203	12	Benzene	Sample	1.76	ug/m3	0.194	ug/m3		Y	12/3/2024	10:55	12/17/2024	10:50
CGOSP-12-S-20241203	12	Ethylbenzene	Sample	0.975	ug/m3	0.282	ug/m3		Y	12/3/2024	10:55	12/17/2024	10:50
CGOSP-12-S-20241203	12	Toluene	Sample	6.08	ug/m3	0.25	ug/m3		Y	12/3/2024	10:55	12/17/2024	10:50
CGOSP-12-S-20241203	12	m-/p-Xylenes	Sample	3.06	ug/m3	0.282	ug/m3	P	Y	12/3/2024	10:55	12/17/2024	10:50
CGOSP-12-S-20241203	12	o-Xylene	Sample	1.06	ug/m3	0.282	ug/m3	Pc	Y	12/3/2024	10:55	12/17/2024	10:50
CGOSP-13-S-20241203	13	Benzene	Sample	1.76	ug/m3	0.194	ug/m3		Y	12/3/2024	11:00	12/17/2024	10:55
CGOSP-13-S-20241203	13	Ethylbenzene	Sample	1.01	ug/m3	0.282	ug/m3		Y	12/3/2024	11:00	12/17/2024	10:55
CGOSP-13-S-20241203	13	Toluene	Sample	6.5	ug/m3	0.25	ug/m3		Y	12/3/2024	11:00	12/17/2024	10:55
CGOSP-13-S-20241203	13	m-/p-Xylenes	Sample	3.38	ug/m3	0.282	ug/m3	P	Y	12/3/2024	11:00	12/17/2024	10:55
CGOSP-13-S-20241203	13	o-Xylene	Sample	1.16	ug/m3	0.282	ug/m3	Pc	Y	12/3/2024	11:00	12/17/2024	10:55
CGOSP-14-S-20241203	14	Benzene	Sample	1.71	ug/m3	0.194	ug/m3		Y	12/3/2024	11:05	12/17/2024	11:00
CGOSP-14-S-20241203	14	Ethylbenzene	Sample	0.852	ug/m3	0.282	ug/m3		Y	12/3/2024	11:05	12/17/2024	11:00
CGOSP-14-S-20241203	14	Toluene	Sample	5.12	ug/m3	0.25	ug/m3		Y	12/3/2024	11:05	12/17/2024	11:00

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
CGOSP-14-S-20241203	14	m-/p-Xylenes	Sample	2.39	ug/m3	0.282	ug/m3	P	Y	12/3/2024	11:05	12/17/2024	11:00
CGOSP-14-S-20241203	14	o-Xylene	Sample	0.793	ug/m3	0.282	ug/m3	Pc	Y	12/3/2024	11:05	12/17/2024	11:00
CGOSP-15-S-20241203	15	Benzene	Sample	1.46	ug/m3	0.194	ug/m3		Y	12/3/2024	11:10	12/17/2024	11:05
CGOSP-15-S-20241203	15	Ethylbenzene	Sample	0.602	ug/m3	0.282	ug/m3	J	Y	12/3/2024	11:10	12/17/2024	11:05
CGOSP-15-S-20241203	15	Toluene	Sample	3.94	ug/m3	0.25	ug/m3		Y	12/3/2024	11:10	12/17/2024	11:05
CGOSP-15-S-20241203	15	m-/p-Xylenes	Sample	1.79	ug/m3	0.282	ug/m3	P	Y	12/3/2024	11:10	12/17/2024	11:05
CGOSP-15-S-20241203	15	o-Xylene	Sample	0.573	ug/m3	0.282	ug/m3	J,Pc	Y	12/3/2024	11:10	12/17/2024	11:05
CGOSP-16-S-20241203	16	Benzene	Sample	1.56	ug/m3	0.194	ug/m3		Y	12/3/2024	11:15	12/17/2024	11:10
CGOSP-16-S-20241203	16	Ethylbenzene	Sample	0.698	ug/m3	0.282	ug/m3		Y	12/3/2024	11:15	12/17/2024	11:10
CGOSP-16-S-20241203	16	Toluene	Sample	5.64	ug/m3	0.25	ug/m3		Y	12/3/2024	11:15	12/17/2024	11:10
CGOSP-16-S-20241203	16	m-/p-Xylenes	Sample	2.05	ug/m3	0.282	ug/m3	P	Y	12/3/2024	11:15	12/17/2024	11:10
CGOSP-16-S-20241203	16	o-Xylene	Sample	0.705	ug/m3	0.282	ug/m3	Pc	Y	12/3/2024	11:15	12/17/2024	11:10
CGOSP-17-S-20241203	17	Benzene	Sample	1.69	ug/m3	0.194	ug/m3		Y	12/3/2024	11:20	12/17/2024	11:15
CGOSP-17-S-20241203	17	Ethylbenzene	Sample	0.833	ug/m3	0.282	ug/m3		Y	12/3/2024	11:20	12/17/2024	11:15
CGOSP-17-S-20241203	17	Toluene	Sample	7.07	ug/m3	0.25	ug/m3		Y	12/3/2024	11:20	12/17/2024	11:15
CGOSP-17-S-20241203	17	m-/p-Xylenes	Sample	2.55	ug/m3	0.282	ug/m3	P	Y	12/3/2024	11:20	12/17/2024	11:15
CGOSP-17-S-20241203	17	o-Xylene	Sample	0.898	ug/m3	0.282	ug/m3	Pc	Y	12/3/2024	11:20	12/17/2024	11:15
CGOSP-18-S-20241203	18	Benzene	Sample	2.12	ug/m3	0.194	ug/m3		Y	12/3/2024	11:30	12/17/2024	11:20
CGOSP-18-S-20241203	18	Ethylbenzene	Sample	0.928	ug/m3	0.282	ug/m3		Y	12/3/2024	11:30	12/17/2024	11:20
CGOSP-18-S-20241203	18	Toluene	Sample	7	ug/m3	0.25	ug/m3		Y	12/3/2024	11:30	12/17/2024	11:20
CGOSP-18-S-20241203	18	m-/p-Xylenes	Sample	3.03	ug/m3	0.282	ug/m3	P	Y	12/3/2024	11:30	12/17/2024	11:20
CGOSP-18-S-20241203	18	o-Xylene	Sample	1.05	ug/m3	0.282	ug/m3	Pc	Y	12/3/2024	11:30	12/17/2024	11:20
CGOSP-1-S-20241217	1	Benzene	Sample	1.42	ug/m3	0.194	ug/m3		Y	12/17/2024	09:45	12/31/2024	09:05
CGOSP-1-S-20241217	1	Ethylbenzene	Sample	9.85	ug/m3	0.283	ug/m3	P	Y	12/17/2024	09:45	12/31/2024	09:05
CGOSP-1-S-20241217	1	m-/p-Xylenes	Sample	44.8	ug/m3	0.283	ug/m3	P	Y	12/17/2024	09:45	12/31/2024	09:05
CGOSP-1-S-20241217	1	o-Xylene	Sample	15.6	ug/m3	0.283	ug/m3	P	Y	12/17/2024	09:45	12/31/2024	09:05
CGOSP-1-S-20241217	1	Toluene	Sample	4.89	ug/m3	0.25	ug/m3		Y	12/17/2024	09:45	12/31/2024	09:05
CGOSP-2-S-20241217	2	Benzene	Sample	1.2	ug/m3	0.194	ug/m3		Y	12/17/2024	09:50	12/31/2024	09:10
CGOSP-2-S-20241217	2	Ethylbenzene	Sample	9.21	ug/m3	0.283	ug/m3	P	Y	12/17/2024	09:50	12/31/2024	09:10

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
CGOSP-2-S-20241217	2	m-/p-Xylenes	Sample	43.3	ug/m3	0.283	ug/m3	P	Y	12/17/2024	09:50	12/31/2024	09:10
CGOSP-2-S-20241217	2	o-Xylene	Sample	14.8	ug/m3	0.283	ug/m3	P	Y	12/17/2024	09:50	12/31/2024	09:10
CGOSP-2-S-20241217	2	Toluene	Sample	3.31	ug/m3	0.25	ug/m3		Y	12/17/2024	09:50	12/31/2024	09:10
CGOSP-3-S-20241217	3	Benzene	Sample	1.44	ug/m3	0.194	ug/m3		Y	12/17/2024	10:00	12/31/2024	09:15
CGOSP-3-S-20241217	3	Ethylbenzene	Sample	6.84	ug/m3	0.283	ug/m3	P	Y	12/17/2024	10:00	12/31/2024	09:15
CGOSP-3-S-20241217	3	m-/p-Xylenes	Sample	31.6	ug/m3	0.283	ug/m3	P	Y	12/17/2024	10:00	12/31/2024	09:15
CGOSP-3-S-20241217	3	o-Xylene	Sample	11.6	ug/m3	0.283	ug/m3	P	Y	12/17/2024	10:00	12/31/2024	09:15
CGOSP-3-S-20241217	3	Toluene	Sample	3.7	ug/m3	0.25	ug/m3		Y	12/17/2024	10:00	12/31/2024	09:15
CGOSP-3-D-20241217	3	Benzene	Duplicate	1.48	ug/m3	0.194	ug/m3		Y	12/17/2024	10:00	12/31/2024	09:15
CGOSP-3-D-20241217	3	Ethylbenzene	Duplicate	1.21	ug/m3	0.283	ug/m3	P	Y	12/17/2024	10:00	12/31/2024	09:15
CGOSP-3-D-20241217	3	m-/p-Xylenes	Duplicate	5	ug/m3	0.283	ug/m3	P	Y	12/17/2024	10:00	12/31/2024	09:15
CGOSP-3-D-20241217	3	o-Xylene	Duplicate	1.81	ug/m3	0.283	ug/m3	P	Y	12/17/2024	10:00	12/31/2024	09:15
CGOSP-3-D-20241217	3	Toluene	Duplicate	4.82	ug/m3	0.25	ug/m3		Y	12/17/2024	10:00	12/31/2024	09:15
CGOSP-3-B-20241217	3	Benzene	Blank	<0.194	ug/m3	0.194	ug/m3	ND	N	12/17/2024	10:00	12/31/2024	09:15
CGOSP-3-B-20241217	3	Ethylbenzene	Blank	<0.283	ug/m3	0.283	ug/m3	ND,P	N	12/17/2024	10:00	12/31/2024	09:15
CGOSP-3-B-20241217	3	m-/p-Xylenes	Blank	<0.283	ug/m3	0.283	ug/m3	ND,P	N	12/17/2024	10:00	12/31/2024	09:15
CGOSP-3-B-20241217	3	o-Xylene	Blank	<0.283	ug/m3	0.283	ug/m3	ND,P	N	12/17/2024	10:00	12/31/2024	09:15
CGOSP-3-B-20241217	3	Toluene	Blank	<0.25	ug/m3	0.25	ug/m3	ND	N	12/17/2024	10:00	12/31/2024	09:15
CGOSP-4-S-20241217	4	Benzene	Sample	1.57	ug/m3	0.194	ug/m3		Y	12/17/2024	10:10	12/31/2024	09:25
CGOSP-4-S-20241217	4	Ethylbenzene	Sample	2.1	ug/m3	0.283	ug/m3	P	Y	12/17/2024	10:10	12/31/2024	09:25
CGOSP-4-S-20241217	4	m-/p-Xylenes	Sample	9.52	ug/m3	0.283	ug/m3	P	Y	12/17/2024	10:10	12/31/2024	09:25
CGOSP-4-S-20241217	4	o-Xylene	Sample	3.51	ug/m3	0.283	ug/m3	P	Y	12/17/2024	10:10	12/31/2024	09:25
CGOSP-4-S-20241217	4	Toluene	Sample	5.79	ug/m3	0.25	ug/m3		Y	12/17/2024	10:10	12/31/2024	09:25
CGOSP-5-S-20241217	5	Benzene	Sample	1.84	ug/m3	0.194	ug/m3		Y	12/17/2024	10:15	12/31/2024	09:35
CGOSP-5-S-20241217	5	Ethylbenzene	Sample	4.97	ug/m3	0.283	ug/m3	P	Y	12/17/2024	10:15	12/31/2024	09:35
CGOSP-5-S-20241217	5	m-/p-Xylenes	Sample	22.5	ug/m3	0.283	ug/m3	P	Y	12/17/2024	10:15	12/31/2024	09:35
CGOSP-5-S-20241217	5	o-Xylene	Sample	8.85	ug/m3	0.283	ug/m3	P	Y	12/17/2024	10:15	12/31/2024	09:35
CGOSP-5-S-20241217	5	Toluene	Sample	6.89	ug/m3	0.25	ug/m3		Y	12/17/2024	10:15	12/31/2024	09:35
CGOSP-6-S-20241217	6	Benzene	Sample	1.9	ug/m3	0.194	ug/m3		Y	12/17/2024	10:20	12/31/2024	09:40

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
CGOSP-6-S-20241217	6	Ethylbenzene	Sample	2.47	ug/m3	0.283	ug/m3	P	Y	12/17/2024	10:20	12/31/2024	09:40
CGOSP-6-S-20241217	6	m-/p-Xylenes	Sample	10.3	ug/m3	0.283	ug/m3	P	Y	12/17/2024	10:20	12/31/2024	09:40
CGOSP-6-S-20241217	6	o-Xylene	Sample	3.72	ug/m3	0.283	ug/m3	P	Y	12/17/2024	10:20	12/31/2024	09:40
CGOSP-6-S-20241217	6	Toluene	Sample	7.11	ug/m3	0.25	ug/m3		Y	12/17/2024	10:20	12/31/2024	09:40
CGOSP-7-S-20241217	7	Benzene	Sample	2	ug/m3	0.194	ug/m3		Y	12/17/2024	10:25	12/31/2024	09:50
CGOSP-7-S-20241217	7	Ethylbenzene	Sample	9.45	ug/m3	0.283	ug/m3	P	Y	12/17/2024	10:25	12/31/2024	09:50
CGOSP-7-S-20241217	7	m-/p-Xylenes	Sample	43.8	ug/m3	0.283	ug/m3	P	Y	12/17/2024	10:25	12/31/2024	09:50
CGOSP-7-S-20241217	7	o-Xylene	Sample	16.3	ug/m3	0.283	ug/m3	P	Y	12/17/2024	10:25	12/31/2024	09:50
CGOSP-7-S-20241217	7	Toluene	Sample	6.41	ug/m3	0.25	ug/m3		Y	12/17/2024	10:25	12/31/2024	09:50
CGOSP-8-S-20241217	8	Benzene	Sample	2.13	ug/m3	0.194	ug/m3		Y	12/17/2024	10:30	12/31/2024	10:00
CGOSP-8-S-20241217	8	Ethylbenzene	Sample	5.32	ug/m3	0.283	ug/m3	P	Y	12/17/2024	10:30	12/31/2024	10:00
CGOSP-8-S-20241217	8	m-/p-Xylenes	Sample	25.2	ug/m3	0.283	ug/m3	P	Y	12/17/2024	10:30	12/31/2024	10:00
CGOSP-8-S-20241217	8	o-Xylene	Sample	10	ug/m3	0.283	ug/m3	P	Y	12/17/2024	10:30	12/31/2024	10:00
CGOSP-8-S-20241217	8	Toluene	Sample	7.09	ug/m3	0.25	ug/m3		Y	12/17/2024	10:30	12/31/2024	10:00
CGOSP-9-S-20241217	9	Benzene	Sample	2.64	ug/m3	0.194	ug/m3		Y	12/17/2024	10:35	12/31/2024	10:05
CGOSP-9-S-20241217	9	Ethylbenzene	Sample	9.76	ug/m3	0.283	ug/m3	P	Y	12/17/2024	10:35	12/31/2024	10:05
CGOSP-9-S-20241217	9	m-/p-Xylenes	Sample	46.9	ug/m3	0.283	ug/m3	P	Y	12/17/2024	10:35	12/31/2024	10:05
CGOSP-9-S-20241217	9	o-Xylene	Sample	17.3	ug/m3	0.283	ug/m3	P	Y	12/17/2024	10:35	12/31/2024	10:05
CGOSP-9-S-20241217	9	Toluene	Sample	11.5	ug/m3	0.25	ug/m3		Y	12/17/2024	10:35	12/31/2024	10:05
CGOSP-9-D-20241217	9	Benzene	Duplicate	2.6	ug/m3	0.194	ug/m3		Y	12/17/2024	10:35	12/31/2024	10:05
CGOSP-9-D-20241217	9	Ethylbenzene	Duplicate	8.03	ug/m3	0.283	ug/m3	P	Y	12/17/2024	10:35	12/31/2024	10:05
CGOSP-9-D-20241217	9	m-/p-Xylenes	Duplicate	36.9	ug/m3	0.283	ug/m3	P	Y	12/17/2024	10:35	12/31/2024	10:05
CGOSP-9-D-20241217	9	o-Xylene	Duplicate	13.5	ug/m3	0.283	ug/m3	P	Y	12/17/2024	10:35	12/31/2024	10:05
CGOSP-9-D-20241217	9	Toluene	Duplicate	10.4	ug/m3	0.25	ug/m3		Y	12/17/2024	10:35	12/31/2024	10:05
CGOSP-9-B-20241217	9	Benzene	Blank	<0.194	ug/m3	0.194	ug/m3	ND	N	12/17/2024	10:35	12/31/2024	10:05
CGOSP-9-B-20241217	9	Ethylbenzene	Blank	<0.283	ug/m3	0.283	ug/m3	ND,P	N	12/17/2024	10:35	12/31/2024	10:05
CGOSP-9-B-20241217	9	m-/p-Xylenes	Blank	<0.283	ug/m3	0.283	ug/m3	ND,P	N	12/17/2024	10:35	12/31/2024	10:05
CGOSP-9-B-20241217	9	o-Xylene	Blank	<0.283	ug/m3	0.283	ug/m3	ND,P	N	12/17/2024	10:35	12/31/2024	10:05
CGOSP-9-B-20241217	9	Toluene	Blank	0.338	ug/m3	0.25	ug/m3	J	Y	12/17/2024	10:35	12/31/2024	10:05

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
CGOSP-10-S-20241217	10	Benzene	Sample	2.12	ug/m3	0.194	ug/m3		Y	12/17/2024	10:40	12/31/2024	10:15
CGOSP-10-S-20241217	10	Ethylbenzene	Sample	4.66	ug/m3	0.283	ug/m3	P	Y	12/17/2024	10:40	12/31/2024	10:15
CGOSP-10-S-20241217	10	m-/p-Xylenes	Sample	20.5	ug/m3	0.283	ug/m3	P	Y	12/17/2024	10:40	12/31/2024	10:15
CGOSP-10-S-20241217	10	o-Xylene	Sample	8.29	ug/m3	0.283	ug/m3	P	Y	12/17/2024	10:40	12/31/2024	10:15
CGOSP-10-S-20241217	10	Toluene	Sample	8.17	ug/m3	0.25	ug/m3		Y	12/17/2024	10:40	12/31/2024	10:15
CGOSP-11-S-20241217	11	Benzene	Sample	1.67	ug/m3	0.194	ug/m3		Y	12/17/2024	10:45	12/31/2024	10:20
CGOSP-11-S-20241217	11	Ethylbenzene	Sample	1.9	ug/m3	0.283	ug/m3	P	Y	12/17/2024	10:45	12/31/2024	10:20
CGOSP-11-S-20241217	11	m-/p-Xylenes	Sample	7.98	ug/m3	0.283	ug/m3	P	Y	12/17/2024	10:45	12/31/2024	10:20
CGOSP-11-S-20241217	11	o-Xylene	Sample	3.04	ug/m3	0.283	ug/m3	P	Y	12/17/2024	10:45	12/31/2024	10:20
CGOSP-11-S-20241217	11	Toluene	Sample	5.4	ug/m3	0.25	ug/m3		Y	12/17/2024	10:45	12/31/2024	10:20
CGOSP-12-S-20241217	12	Benzene	Sample	1.75	ug/m3	0.194	ug/m3		Y	12/17/2024	10:50	12/31/2024	10:25
CGOSP-12-S-20241217	12	Ethylbenzene	Sample	1.91	ug/m3	0.283	ug/m3	P	Y	12/17/2024	10:50	12/31/2024	10:25
CGOSP-12-S-20241217	12	m-/p-Xylenes	Sample	7.15	ug/m3	0.283	ug/m3	P	Y	12/17/2024	10:50	12/31/2024	10:25
CGOSP-12-S-20241217	12	o-Xylene	Sample	2.49	ug/m3	0.283	ug/m3	P	Y	12/17/2024	10:50	12/31/2024	10:25
CGOSP-12-S-20241217	12	Toluene	Sample	6.37	ug/m3	0.25	ug/m3		Y	12/17/2024	10:50	12/31/2024	10:25
CGOSP-13-S-20241217	13	Benzene	Sample	1.69	ug/m3	0.194	ug/m3		Y	12/17/2024	10:55	12/31/2024	10:35
CGOSP-13-S-20241217	13	Ethylbenzene	Sample	5.56	ug/m3	0.283	ug/m3	P	Y	12/17/2024	10:55	12/31/2024	10:35
CGOSP-13-S-20241217	13	m-/p-Xylenes	Sample	25.9	ug/m3	0.283	ug/m3	P	Y	12/17/2024	10:55	12/31/2024	10:35
CGOSP-13-S-20241217	13	o-Xylene	Sample	9.41	ug/m3	0.283	ug/m3	P	Y	12/17/2024	10:55	12/31/2024	10:35
CGOSP-13-S-20241217	13	Toluene	Sample	6.19	ug/m3	0.25	ug/m3		Y	12/17/2024	10:55	12/31/2024	10:35
CGOSP-14-S-20241217	14	Benzene	Sample	1.5	ug/m3	0.194	ug/m3		Y	12/17/2024	11:00	12/31/2024	10:40
CGOSP-14-S-20241217	14	Ethylbenzene	Sample	5.77	ug/m3	0.283	ug/m3	P	Y	12/17/2024	11:00	12/31/2024	10:40
CGOSP-14-S-20241217	14	m-/p-Xylenes	Sample	26.5	ug/m3	0.283	ug/m3	P	Y	12/17/2024	11:00	12/31/2024	10:40
CGOSP-14-S-20241217	14	o-Xylene	Sample	10.5	ug/m3	0.283	ug/m3	P	Y	12/17/2024	11:00	12/31/2024	10:40
CGOSP-14-S-20241217	14	Toluene	Sample	4.85	ug/m3	0.25	ug/m3		Y	12/17/2024	11:00	12/31/2024	10:40
CGOSP-15-S-20241217	15	Benzene	Sample	1.41	ug/m3	0.194	ug/m3		Y	12/17/2024	11:05	12/31/2024	10:45
CGOSP-15-S-20241217	15	Ethylbenzene	Sample	8.97	ug/m3	0.283	ug/m3	P	Y	12/17/2024	11:05	12/31/2024	10:45
CGOSP-15-S-20241217	15	m-/p-Xylenes	Sample	35.1	ug/m3	0.283	ug/m3	P	Y	12/17/2024	11:05	12/31/2024	10:45
CGOSP-15-S-20241217	15	o-Xylene	Sample	12.1	ug/m3	0.283	ug/m3	P	Y	12/17/2024	11:05	12/31/2024	10:45

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
CGOSP-15-S-20241217	15	Toluene	Sample	4.58	ug/m3	0.25	ug/m3		Y	12/17/2024	11:05	12/31/2024	10:45
CGOSP-16-S-20241217	16	Benzene	Sample	1.41	ug/m3	0.194	ug/m3		Y	12/17/2024	11:10	12/31/2024	10:55
CGOSP-16-S-20241217	16	Ethylbenzene	Sample	7.78	ug/m3	0.283	ug/m3	P	Y	12/17/2024	11:10	12/31/2024	10:55
CGOSP-16-S-20241217	16	m-/p-Xylenes	Sample	39.8	ug/m3	0.283	ug/m3	P	Y	12/17/2024	11:10	12/31/2024	10:55
CGOSP-16-S-20241217	16	o-Xylene	Sample	15.1	ug/m3	0.283	ug/m3	P	Y	12/17/2024	11:10	12/31/2024	10:55
CGOSP-16-S-20241217	16	Toluene	Sample	3.62	ug/m3	0.25	ug/m3		Y	12/17/2024	11:10	12/31/2024	10:55
CGOSP-17-S-20241217	17	Benzene	Sample	1.3	ug/m3	0.194	ug/m3		Y	12/17/2024	11:15	12/31/2024	11:00
CGOSP-17-S-20241217	17	Ethylbenzene	Sample	2.04	ug/m3	0.283	ug/m3	P	Y	12/17/2024	11:15	12/31/2024	11:00
CGOSP-17-S-20241217	17	m-/p-Xylenes	Sample	9.28	ug/m3	0.283	ug/m3	P	Y	12/17/2024	11:15	12/31/2024	11:00
CGOSP-17-S-20241217	17	o-Xylene	Sample	3.24	ug/m3	0.283	ug/m3	P	Y	12/17/2024	11:15	12/31/2024	11:00
CGOSP-17-S-20241217	17	Toluene	Sample	3.66	ug/m3	0.25	ug/m3		Y	12/17/2024	11:15	12/31/2024	11:00
CGOSP-18-S-20241217	18	Benzene	Sample	1.6	ug/m3	0.194	ug/m3		Y	12/17/2024	11:20	12/31/2024	11:10
CGOSP-18-S-20241217	18	Ethylbenzene	Sample	2.29	ug/m3	0.283	ug/m3	P	Y	12/17/2024	11:20	12/31/2024	11:10
CGOSP-18-S-20241217	18	m-/p-Xylenes	Sample	9.13	ug/m3	0.283	ug/m3	P	Y	12/17/2024	11:20	12/31/2024	11:10
CGOSP-18-S-20241217	18	o-Xylene	Sample	3.21	ug/m3	0.283	ug/m3	P	Y	12/17/2024	11:20	12/31/2024	11:10
CGOSP-18-S-20241217	18	Toluene	Sample	5.34	ug/m3	0.25	ug/m3		Y	12/17/2024	11:20	12/31/2024	11:10

FLM DATA FLAG ABBREVIATIONS - EPA METHOD 325B	
FLAG	**EXPLANATION**
J	Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit
ND	The analyte was not present above the Method Detection Limit
P	Field duplicate(s) exceed 30%RPD
Pc	Field duplicate(s) exceed 30%RPD. Concentrations of both samples in duplicate are near the reporting limit

Note: Meteorological data flagged ND was not available from the airport. Missing data can be due to instrument maintenance, instrument malfunction, data transmission issues, or other factors resulting in missing data.

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (9/24/24 12:00 to 10/8/24 11:00)

Date & Time	Wind Speed	Wind Direction	Temperature	Barometric Pressure
	m/s	Deg.	°C	mb
9/24/24 12:00	4.9	96	17.0	1021
9/24/24 13:00	6.4	91	17.3	1021
9/24/24 14:00	6.6	93	17.1	1021
9/24/24 15:00	6.7	94	16.4	1021
9/24/24 16:00	5.2	99	15.9	1021
9/24/24 17:00	4.0	110	14.4	1021
9/24/24 18:00	3.3	96	13.2	1021
9/24/24 19:00	3.2	83	12.8	1021
9/24/24 20:00	2.6	76	12.5	1022
9/24/24 21:00	1.5	356	11.3	1022
9/24/24 22:00	1.6	344	10.4	1022
9/24/24 23:00	1.6	346	9.5	1022
9/25/24 0:00	1.2	340	9.3	1022
9/25/24 1:00	2.0	343	9.3	1022
9/25/24 2:00	1.7	330	9.9	1021
9/25/24 3:00	1.9	8	10.7	1021
9/25/24 4:00	1.6	349	11.1	1021
9/25/24 5:00	1.6	15	11.1	1021
9/25/24 6:00	1.7	344	11.1	1022
9/25/24 7:00	2.2	25	11.5	1022
9/25/24 8:00	2.0	27	12.5	1023
9/25/24 9:00	2.7	43	13.3	1023
9/25/24 10:00	2.4	56	14.1	1023
9/25/24 11:00	3.5	74	15.4	1023
9/25/24 12:00	4.1	93	15.5	1023
9/25/24 13:00	4.1	88	15.6	1023
9/25/24 14:00	3.4	100	15.6	1022
9/25/24 15:00	4.0	106	15.8	1022
9/25/24 16:00	3.5	110	15.6	1022
9/25/24 17:00	3.7	119	15.3	1022
9/25/24 18:00	3.9	119	14.7	1022
9/25/24 19:00	3.2	117	14.4	1022
9/25/24 20:00	2.9	102	14.4	1022
9/25/24 21:00	2.6	115	14.4	1021
9/25/24 22:00	1.9	130	14.4	1021
9/25/24 23:00	2.9	130	14.4	1021
9/26/24 0:00	3.3	131	ND	ND
9/26/24 1:00	3.0	135	14.4	1020
9/26/24 2:00	2.3	146	14.4	1020
9/26/24 3:00	1.6	175	14.1	1020
9/26/24 4:00	0.9	138	13.9	1020
9/26/24 5:00	1.5	182	13.9	1019

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (9/24/24 12:00 to 10/8/24 11:00)

9/26/24 6:00	0.9	255	13.7	1019
9/26/24 7:00	0.8	43	13.9	1019
9/26/24 8:00	2.3	149	14.7	1019
9/26/24 9:00	3.7	156	15.0	1019
9/26/24 10:00	ND	ND	15.1	1018
9/26/24 11:00	3.9	159	15.5	1018
9/26/24 12:00	4.0	163	ND	ND
9/26/24 13:00	3.8	159	15.5	1016
9/26/24 14:00	3.9	159	14.5	1015
9/26/24 15:00	1.7	169	15.6	1015
9/26/24 16:00	ND	ND	ND	ND
9/26/24 17:00	1.7	42	15.6	1014
9/26/24 18:00	1.2	36	15.5	1014
9/26/24 19:00	1.6	108	15.3	1014
9/26/24 20:00	1.9	225	15.0	1014
9/26/24 21:00	1.3	16	15.4	1014
9/26/24 22:00	1.5	346	14.9	1014
9/26/24 23:00	1.1	255	14.9	1014
9/27/24 0:00	0.8	279	14.1	1013
9/27/24 1:00	1.8	298	13.9	1013
9/27/24 2:00	2.2	306	13.5	1013
9/27/24 3:00	2.2	304	13.3	1013
9/27/24 4:00	2.2	265	12.8	1013
9/27/24 5:00	2.5	262	12.2	1016
9/27/24 6:00	1.9	292	12.0	1016
9/27/24 7:00	2.3	300	12.0	1017
9/27/24 8:00	2.4	295	13.0	1017
9/27/24 9:00	2.2	288	15.1	1016
9/27/24 10:00	0.9	260	18.5	1016
9/27/24 11:00	2.4	334	20.9	1016
9/27/24 12:00	2.1	274	21.7	1015
9/27/24 13:00	2.8	267	22.5	1015
9/27/24 14:00	3.3	110	21.6	1015
9/27/24 15:00	1.4	221	21.8	1015
9/27/24 16:00	2.2	96	21.3	1015
9/27/24 17:00	2.4	159	19.2	1016
9/27/24 18:00	0.6	63	17.7	1016
9/27/24 19:00	0.2	191	17.3	1016
9/27/24 20:00	0.3	309	16.8	1017
9/27/24 21:00	0.3	304	16.3	1017
9/27/24 22:00	0.3	278	15.8	1017
9/27/24 23:00	0.5	342	15.6	1018
9/28/24 0:00	0.7	319	15.5	1018
9/28/24 1:00	0.3	349	15.6	1018

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (9/24/24 12:00 to 10/8/24 11:00)

9/28/24 2:00	0.1	358	15.4	1018
9/28/24 3:00	0.4	336	14.3	1018
9/28/24 4:00	1.1	350	13.5	1018
9/28/24 5:00	0.5	352	13.5	1018
9/28/24 6:00	1.5	311	13.1	1018
9/28/24 7:00	1.4	338	14.1	1019
9/28/24 8:00	1.6	222	15.3	1019
9/28/24 9:00	1.5	29	16.7	1019
9/28/24 10:00	1.6	31	17.8	1019
9/28/24 11:00	0.6	168	19.3	1019
9/28/24 12:00	2.1	58	20.2	1019
9/28/24 13:00	4.0	90	20.7	1018
9/28/24 14:00	4.9	87	18.0	1018
9/28/24 15:00	4.1	96	15.9	1018
9/28/24 16:00	3.4	110	15.7	1018
9/28/24 17:00	3.1	127	14.4	1018
9/28/24 18:00	2.9	133	13.0	1018
9/28/24 19:00	1.1	85	13.6	1019
9/28/24 20:00	0.6	188	13.8	1019
9/28/24 21:00	0.9	273	13.7	1019
9/28/24 22:00	0.3	299	13.1	1019
9/28/24 23:00	2.4	281	12.9	1019
9/29/24 0:00	1.8	282	12.3	1019
9/29/24 1:00	2.0	291	13.3	1019
9/29/24 2:00	1.2	291	13.7	1019
9/29/24 3:00	0.2	216	13.2	1018
9/29/24 4:00	0.2	280	12.9	1019
9/29/24 5:00	0.4	238	12.4	1019
9/29/24 6:00	0.0	108	11.9	1019
9/29/24 7:00	0.4	80	12.3	1019
9/29/24 8:00	0.0	180	13.7	1019
9/29/24 9:00	0.2	232	15.6	1019
9/29/24 10:00	0.8	197	18.5	1018
9/29/24 11:00	1.5	170	19.7	1018
9/29/24 12:00	2.7	80	19.5	1018
9/29/24 13:00	4.5	157	19.0	1017
9/29/24 14:00	5.0	162	19.0	1017
9/29/24 15:00	4.8	172	18.3	1017
9/29/24 16:00	4.2	185	17.4	1016
9/29/24 17:00	2.9	181	16.7	1017
9/29/24 18:00	2.9	185	15.6	1017
9/29/24 19:00	1.0	113	14.7	1017
9/29/24 20:00	1.7	177	14.0	1017
9/29/24 21:00	2.2	208	13.9	1017

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (9/24/24 12:00 to 10/8/24 11:00)

9/29/24 22:00	1.8	262	14.3	1017
9/29/24 23:00	1.9	291	14.3	1017
9/30/24 0:00	2.2	278	13.6	1017
9/30/24 1:00	1.3	134	12.7	1017
9/30/24 2:00	0.0	0	12.2	1017
9/30/24 3:00	0.7	291	11.5	1017
9/30/24 4:00	1.5	224	10.5	1017
9/30/24 5:00	0.5	87	10.9	1017
9/30/24 6:00	1.3	234	10.4	1018
9/30/24 7:00	0.8	132	11.5	1018
9/30/24 8:00	2.1	314	14.4	1019
9/30/24 9:00	2.0	82	17.7	1019
9/30/24 10:00	3.1	54	19.6	1019
9/30/24 11:00	3.2	55	21.0	1019
9/30/24 12:00	3.4	70	21.8	1019
9/30/24 13:00	3.5	98	21.9	1019
9/30/24 14:00	3.2	90	22.1	1018
9/30/24 15:00	3.1	91	22.0	1018
9/30/24 16:00	2.1	101	21.5	1018
9/30/24 17:00	2.9	161	18.7	1018
9/30/24 18:00	1.2	68	16.3	1019
9/30/24 19:00	0.0	216	16.1	1019
9/30/24 20:00	0.0	215	15.6	1020
9/30/24 21:00	0.0	245	14.9	1020
9/30/24 22:00	0.0	238	13.5	1020
9/30/24 23:00	0.2	286	13.2	1020
10/1/24 0:00	1.3	319	13.7	1020
10/1/24 1:00	1.0	122	13.4	1021
10/1/24 2:00	1.6	39	13.9	1021
10/1/24 3:00	1.5	130	13.9	1021
10/1/24 4:00	1.7	21	13.4	1021
10/1/24 5:00	1.9	158	12.7	1021
10/1/24 6:00	2.6	102	12.3	1021
10/1/24 7:00	3.6	69	13.7	1022
10/1/24 8:00	4.6	76	15.0	1022
10/1/24 9:00	3.9	61	15.7	1023
10/1/24 10:00	5.4	85	15.6	1023
10/1/24 11:00	5.5	92	15.7	1023
10/1/24 12:00	5.8	97	16.4	1023
10/1/24 13:00	4.1	54	16.4	1022
10/1/24 14:00	3.0	42	16.4	1022
10/1/24 15:00	4.1	49	16.0	1021
10/1/24 16:00	4.4	98	14.7	1021
10/1/24 17:00	3.6	99	13.9	1021

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (9/24/24 12:00 to 10/8/24 11:00)

10/1/24 18:00	1.0	57	12.9	1021
10/1/24 19:00	0.0	1	12.2	1021
10/1/24 20:00	0.0	0	11.3	1021
10/1/24 21:00	0.0	144	10.2	1021
10/1/24 22:00	0.8	294	10.6	1020
10/1/24 23:00	1.0	355	10.8	1020
10/2/24 0:00	1.1	246	10.0	1020
10/2/24 1:00	1.0	278	8.8	1019
10/2/24 2:00	1.3	310	8.6	1019
10/2/24 3:00	1.2	208	9.9	1018
10/2/24 4:00	1.4	358	10.9	1019
10/2/24 5:00	1.5	51	11.3	1019
10/2/24 6:00	1.3	214	11.3	1019
10/2/24 7:00	1.9	93	10.9	1019
10/2/24 8:00	2.7	51	12.1	1019
10/2/24 9:00	2.7	44	13.5	1019
10/2/24 10:00	1.4	62	14.6	1019
10/2/24 11:00	1.6	37	15.5	1019
10/2/24 12:00	3.0	48	15.9	1019
10/2/24 13:00	3.3	49	16.3	1018
10/2/24 14:00	3.0	58	16.7	1018
10/2/24 15:00	3.2	66	16.4	1018
10/2/24 16:00	2.5	72	16.4	1018
10/2/24 17:00	1.9	59	15.7	1017
10/2/24 18:00	2.5	61	14.2	1017
10/2/24 19:00	1.2	109	13.5	1018
10/2/24 20:00	1.0	205	13.1	1018
10/2/24 21:00	1.3	212	13.0	1018
10/2/24 22:00	1.9	233	11.0	1018
10/2/24 23:00	1.1	269	10.6	1018
10/3/24 0:00	0.6	151	9.3	1019
10/3/24 1:00	0.9	324	11.7	1019
10/3/24 2:00	0.0	252	12.1	1019
10/3/24 3:00	0.0	247	12.0	1018
10/3/24 4:00	0.3	55	12.0	1019
10/3/24 5:00	0.0	73	12.9	1019
10/3/24 6:00	0.3	120	12.5	1019
10/3/24 7:00	0.7	157	12.5	1020
10/3/24 8:00	1.4	142	13.7	1020
10/3/24 9:00	2.4	188	15.3	1020
10/3/24 10:00	2.9	195	16.0	1020
10/3/24 11:00	3.2	196	17.7	1020
10/3/24 12:00	4.3	164	18.0	1019
10/3/24 13:00	4.7	174	18.1	1019

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (9/24/24 12:00 to 10/8/24 11:00)

10/3/24 14:00	5.6	169	18.0	1019
10/3/24 15:00	5.9	185	17.5	1019
10/3/24 16:00	4.9	179	17.0	1019
10/3/24 17:00	4.6	184	16.1	1019
10/3/24 18:00	3.1	191	15.9	1020
10/3/24 19:00	3.4	260	15.7	1020
10/3/24 20:00	3.2	283	15.6	1021
10/3/24 21:00	3.2	274	15.5	1021
10/3/24 22:00	2.3	211	14.9	1021
10/3/24 23:00	0.3	49	13.9	1021
10/4/24 0:00	0.1	29	12.5	1021
10/4/24 1:00	0.1	138	10.8	1022
10/4/24 2:00	0.6	107	10.2	1022
10/4/24 3:00	0.6	115	9.5	1022
10/4/24 4:00	0.8	241	8.9	1022
10/4/24 5:00	1.7	250	8.1	1023
10/4/24 6:00	1.6	261	7.8	1023
10/4/24 7:00	1.0	232	9.2	1024
10/4/24 8:00	1.1	244	11.8	1024
10/4/24 9:00	1.3	215	14.2	1024
10/4/24 10:00	1.9	82	15.9	1024
10/4/24 11:00	2.2	105	16.6	1024
10/4/24 12:00	3.2	97	16.7	1023
10/4/24 13:00	3.5	91	16.9	1023
10/4/24 14:00	3.9	84	17.1	1023
10/4/24 15:00	4.0	116	16.8	1022
10/4/24 16:00	3.1	168	16.0	1022
10/4/24 17:00	2.9	159	16.0	1022
10/4/24 18:00	2.0	152	15.9	1022
10/4/24 19:00	1.0	87	15.2	1022
10/4/24 20:00	0.3	22	14.3	1022
10/4/24 21:00	0.3	17	13.9	1022
10/4/24 22:00	1.0	77	14.1	1021
10/4/24 23:00	0.9	107	14.0	1021
10/5/24 0:00	1.9	168	14.9	1021
10/5/24 1:00	2.0	202	14.9	1020
10/5/24 2:00	0.6	70	14.9	1020
10/5/24 3:00	0.9	159	14.9	1019
10/5/24 4:00	0.3	229	14.9	1019
10/5/24 5:00	0.3	308	14.8	1019
10/5/24 6:00	0.3	169	14.8	1019
10/5/24 7:00	1.8	275	14.8	1020
10/5/24 8:00	2.5	313	15.6	1020
10/5/24 9:00	4.5	342	16.4	1020

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (9/24/24 12:00 to 10/8/24 11:00)

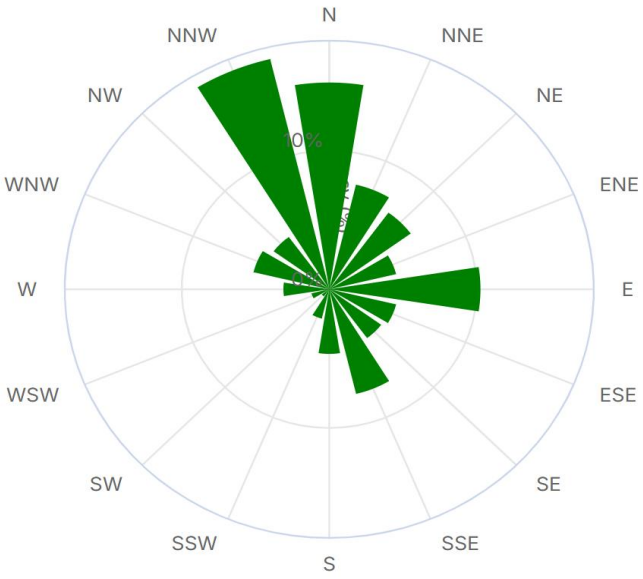
10/5/24 10:00	4.7	341	17.4	1020
10/5/24 11:00	4.8	342	17.8	1020
10/5/24 12:00	6.6	341	19.2	1020
10/5/24 13:00	6.1	336	20.2	1020
10/5/24 14:00	5.7	337	19.9	1019
10/5/24 15:00	5.7	337	20.1	1019
10/5/24 16:00	3.8	351	20.0	1019
10/5/24 17:00	3.4	357	19.0	1020
10/5/24 18:00	2.7	345	16.8	1021
10/5/24 19:00	2.7	344	14.0	1021
10/5/24 20:00	3.8	351	12.9	1021
10/5/24 21:00	3.5	81	13.1	1022
10/5/24 22:00	3.9	319	12.2	1022
10/5/24 23:00	2.9	337	10.8	1022
10/6/24 0:00	1.0	268	8.9	1021
10/6/24 1:00	0.4	128	8.3	1022
10/6/24 2:00	0.2	108	8.0	1022
10/6/24 3:00	1.7	150	7.1	1021
10/6/24 4:00	2.0	119	7.0	1021
10/6/24 5:00	2.1	350	6.9	1022
10/6/24 6:00	1.8	346	6.9	1022
10/6/24 7:00	1.4	239	7.3	1022
10/6/24 8:00	2.3	254	9.5	1022
10/6/24 9:00	3.6	85	10.9	1022
10/6/24 10:00	3.1	220	12.1	1022
10/6/24 11:00	1.7	150	13.5	1021
10/6/24 12:00	1.9	134	14.0	1020
10/6/24 13:00	2.1	39	15.3	1020
10/6/24 14:00	0.7	104	15.0	1019
10/6/24 15:00	2.2	56	15.2	1018
10/6/24 16:00	2.7	109	14.4	1018
10/6/24 17:00	2.7	151	13.2	1018
10/6/24 18:00	2.4	165	11.5	1018
10/6/24 19:00	2.1	149	11.5	1018
10/6/24 20:00	1.0	81	11.4	1017
10/6/24 21:00	2.0	111	11.5	1016
10/6/24 22:00	1.3	187	11.7	1016
10/6/24 23:00	0.2	132	10.9	1016
10/7/24 0:00	1.9	280	10.7	1016
10/7/24 1:00	0.7	114	10.8	1016
10/7/24 2:00	0.1	44	10.9	1015
10/7/24 3:00	0.0	0	11.3	1014
10/7/24 4:00	0.0	36	11.0	1014
10/7/24 5:00	1.4	68	11.9	1013

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (9/24/24 12:00 to 10/8/24 11:00)

10/7/24 6:00	2.5	136	12.1	1012
10/7/24 7:00	2.2	144	12.7	1012
10/7/24 8:00	2.1	118	12.9	1012
10/7/24 9:00	3.0	135	12.9	1012
10/7/24 10:00	2.7	125	12.9	1012
10/7/24 11:00	3.0	138	13.0	1011
10/7/24 12:00	4.3	163	12.6	1011
10/7/24 13:00	4.6	153	13.0	1011
10/7/24 14:00	3.9	152	13.0	1010
10/7/24 15:00	3.7	158	13.0	1010
10/7/24 16:00	3.4	159	13.0	1009
10/7/24 17:00	3.2	166	13.1	1009
10/7/24 18:00	2.3	164	13.1	1009
10/7/24 19:00	1.0	220	13.1	1009
10/7/24 20:00	0.0	109	13.3	1009
10/7/24 21:00	2.1	310	13.0	1009
10/7/24 22:00	2.0	313	12.9	1009
10/7/24 23:00	2.9	299	12.9	1009
10/8/24 0:00	2.8	312	12.7	1009
10/8/24 1:00	3.6	306	12.0	1009
10/8/24 2:00	3.0	305	11.9	1009
10/8/24 3:00	3.2	287	11.3	1009
10/8/24 4:00	2.5	337	11.2	1009
10/8/24 5:00	2.6	346	11.2	1009
10/8/24 6:00	1.7	344	10.1	1010
10/8/24 7:00	1.0	338	9.5	1010
10/8/24 8:00	3.7	330	11.2	1010
10/8/24 9:00	4.4	332	11.9	1011
10/8/24 10:00	3.5	326	13.2	1011
10/8/24 11:00	2.6	335	14.1	1011

PWM Wind Rose 9/24/24 12:00 - 10/8/24 11:00



CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (10/8/24 10:00 to 10/22/24 11:00)

Date & Time	Wind Speed	Wind Direction	Temperature	Barometric Pressure
	m/s	Deg.	°C	mb
10/8/24 10:00	4.3	311	13.2	1008
10/8/24 11:00	3.9	312	14.0	1008
10/8/24 12:00	4.1	308	15.6	1007
10/8/24 13:00	4.0	313	16.1	1007
10/8/24 14:00	3.0	278	16.5	1007
10/8/24 15:00	3.4	305	16.3	1007
10/8/24 16:00	2.2	337	16.4	1007
10/8/24 17:00	2.1	192	13.8	1007
10/8/24 18:00	0.6	67	11.7	1008
10/8/24 19:00	ND	ND	9.7	1008
10/8/24 20:00	0.9	138	8.6	1009
10/8/24 21:00	0.3	57	7.7	1009
10/8/24 22:00	0.3	54	6.9	1009
10/8/24 23:00	0.8	141	6.3	1009
10/9/24 0:00	1.0	168	5.3	1009
10/9/24 1:00	0.9	140	5.1	1009
10/9/24 2:00	0.3	51	4.6	1008
10/9/24 3:00	0.2	11	5.6	1008
10/9/24 4:00	1.5	218	6.3	1008
10/9/24 5:00	0.6	105	6.3	1008
10/9/24 6:00	0.7	86	6.0	1008
10/9/24 7:00	1.7	268	6.3	1008
10/9/24 8:00	2.2	214	8.8	1008
10/9/24 9:00	3.7	262	10.8	1008
10/9/24 10:00	3.5	270	12.8	1008
10/9/24 11:00	3.1	298	14.0	1008
10/9/24 12:00	4.4	291	15.1	1007
10/9/24 13:00	4.5	254	15.9	1007
10/9/24 14:00	4.9	297	15.7	1006
10/9/24 15:00	3.8	324	15.4	1006
10/9/24 16:00	4.6	302	14.2	1007
10/9/24 17:00	3.7	311	13.3	1007
10/9/24 18:00	2.6	339	11.6	1008
10/9/24 19:00	1.6	238	10.1	1008
10/9/24 20:00	1.6	215	8.9	1008
10/9/24 21:00	ND	ND	8.7	1008
10/9/24 22:00	0.8	145	8.8	1008
10/9/24 23:00	1.7	295	8.8	1008
10/10/24 0:00	1.5	232	8.7	1008
10/10/24 1:00	1.8	263	8.3	1008
10/10/24 2:00	2.7	279	8.1	1008
10/10/24 3:00	2.9	290	6.5	1008

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (10/8/24 10:00 to 10/22/24 11:00)

10/10/24 4:00	3.2	282	5.8	1008
10/10/24 5:00	3.3	277	5.8	1009
10/10/24 6:00	2.6	281	5.2	1009
10/10/24 7:00	3.0	283	5.8	1010
10/10/24 8:00	3.4	284	8.4	1010
10/10/24 9:00	4.3	304	11.1	1010
10/10/24 10:00	6.0	312	12.5	1010
10/10/24 11:00	5.9	314	13.5	1010
10/10/24 12:00	4.6	315	13.2	1010
10/10/24 13:00	5.2	301	13.6	1009
10/10/24 14:00	5.5	313	13.5	1009
10/10/24 15:00	5.5	308	12.6	1009
10/10/24 16:00	6.4	305	12.4	1010
10/10/24 17:00	5.8	302	11.3	1010
10/10/24 18:00	5.3	297	10.0	1011
10/10/24 19:00	3.9	289	8.3	1011
10/10/24 20:00	3.3	264	7.8	1012
10/10/24 21:00	3.3	254	7.4	1012
10/10/24 22:00	3.3	265	6.8	1011
10/10/24 23:00	2.9	255	6.9	1011
10/11/24 0:00	2.0	246	6.3	1011
10/11/24 1:00	3.4	255	6.2	1011
10/11/24 2:00	3.3	251	6.7	1011
10/11/24 3:00	3.4	268	6.8	1011
10/11/24 4:00	3.5	273	6.6	1011
10/11/24 5:00	2.3	232	5.5	1011
10/11/24 6:00	1.6	169	4.2	1011
10/11/24 7:00	2.4	206	6.0	1011
10/11/24 8:00	2.3	236	8.6	1011
10/11/24 9:00	5.0	289	11.6	1011
10/11/24 10:00	5.1	314	13.0	1010
10/11/24 11:00	6.1	322	13.9	1010
10/11/24 12:00	5.8	306	15.9	1009
10/11/24 13:00	5.7	292	16.9	1008
10/11/24 14:00	4.8	284	17.3	1007
10/11/24 15:00	4.7	282	17.9	1007
10/11/24 16:00	5.2	279	17.6	1006
10/11/24 17:00	3.5	263	16.4	1006
10/11/24 18:00	3.3	267	14.5	1006
10/11/24 19:00	3.4	241	13.9	1006
10/11/24 20:00	2.2	222	12.8	1005
10/11/24 21:00	2.6	230	13.0	1004
10/11/24 22:00	3.6	226	12.2	1004
10/11/24 23:00	3.1	213	11.9	1003

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (10/8/24 10:00 to 10/22/24 11:00)

10/12/24 0:00	2.4	220	11.0	1002
10/12/24 1:00	4.1	240	12.5	1001
10/12/24 2:00	4.4	239	13.7	1000
10/12/24 3:00	3.3	238	12.7	999
10/12/24 4:00	3.8	216	12.0	998
10/12/24 5:00	3.8	205	12.0	998
10/12/24 6:00	1.6	148	11.4	997
10/12/24 7:00	5.0	252	14.3	998
10/12/24 8:00	8.7	301	16.9	1000
10/12/24 9:00	12.0	299	16.8	1002
10/12/24 10:00	10.8	296	16.2	1003
10/12/24 11:00	10.1	304	17.1	1003
10/12/24 12:00	11.0	299	17.0	1004
10/12/24 13:00	9.8	302	17.2	1004
10/12/24 14:00	9.9	304	17.4	1005
10/12/24 15:00	8.3	306	17.0	1005
10/12/24 16:00	8.4	310	16.1	1006
10/12/24 17:00	5.8	316	13.8	1007
10/12/24 18:00	5.0	312	12.4	1008
10/12/24 19:00	4.1	310	11.4	1009
10/12/24 20:00	4.0	307	10.4	1010
10/12/24 21:00	2.8	295	8.7	1011
10/12/24 22:00	1.3	173	7.9	1012
10/12/24 23:00	0.6	86	6.7	1012
10/13/24 0:00	2.4	246	5.5	1012
10/13/24 1:00	1.3	147	4.1	1012
10/13/24 2:00	0.8	121	4.3	1012
10/13/24 3:00	1.5	182	5.5	1011
10/13/24 4:00	0.2	21	5.9	1011
10/13/24 5:00	0.2	24	5.9	1011
10/13/24 6:00	1.4	235	5.8	1012
10/13/24 7:00	0.6	87	6.2	1012
10/13/24 8:00	1.6	206	7.3	1013
10/13/24 9:00	2.4	240	8.7	1013
10/13/24 10:00	2.7	217	10.3	1012
10/13/24 11:00	3.3	238	12.1	1012
10/13/24 12:00	3.5	220	12.1	1011
10/13/24 13:00	3.6	221	12.1	1010
10/13/24 14:00	2.9	198	11.9	1010
10/13/24 15:00	2.4	205	11.0	1009
10/13/24 16:00	2.1	195	10.2	1009
10/13/24 17:00	2.3	198	8.9	1009
10/13/24 18:00	0.6	74	8.0	1009
10/13/24 19:00	1.1	209	8.1	1009

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (10/8/24 10:00 to 10/22/24 11:00)

10/13/24 20:00	2.1	60	8.0	1009
10/13/24 21:00	4.2	46	8.0	1009
10/13/24 22:00	4.4	42	8.0	1008
10/13/24 23:00	5.1	37	8.0	1008
10/14/24 0:00	5.2	89	7.3	1007
10/14/24 1:00	4.4	52	7.0	1006
10/14/24 2:00	5.6	22	7.0	1005
10/14/24 3:00	5.0	23	7.0	1005
10/14/24 4:00	4.2	196	7.0	1005
10/14/24 5:00	5.4	72	7.0	1003
10/14/24 6:00	4.4	216	7.2	1002
10/14/24 7:00	3.3	219	7.0	1003
10/14/24 8:00	4.0	151	7.1	1002
10/14/24 9:00	3.8	254	7.1	1002
10/14/24 10:00	3.8	220	7.1	1001
10/14/24 11:00	3.6	318	7.1	1000
10/14/24 12:00	3.7	322	8.0	1000
10/14/24 13:00	3.5	254	8.0	999
10/14/24 14:00	3.4	347	8.0	998
10/14/24 15:00	3.1	332	8.0	998
10/14/24 16:00	3.4	321	8.1	998
10/14/24 17:00	2.8	326	8.1	998
10/14/24 18:00	2.1	284	8.0	999
10/14/24 19:00	1.3	221	7.7	999
10/14/24 20:00	1.1	185	6.7	999
10/14/24 21:00	1.3	208	6.8	1000
10/14/24 22:00	2.8	279	6.4	1000
10/14/24 23:00	2.8	311	5.5	1001
10/15/24 0:00	1.9	265	3.4	1001
10/15/24 1:00	1.8	226	3.2	1002
10/15/24 2:00	2.0	213	3.0	1002
10/15/24 3:00	1.6	168	2.3	1002
10/15/24 4:00	1.1	137	1.8	1002
10/15/24 5:00	2.4	213	1.8	1002
10/15/24 6:00	1.5	204	1.8	1003
10/15/24 7:00	2.2	266	1.9	1003
10/15/24 8:00	2.9	269	5.0	1004
10/15/24 9:00	3.8	257	7.4	1004
10/15/24 10:00	4.5	266	9.2	1004
10/15/24 11:00	4.4	270	10.8	1004
10/15/24 12:00	4.8	279	12.0	1003
10/15/24 13:00	3.8	254	12.0	1002
10/15/24 14:00	4.0	248	12.0	1001
10/15/24 15:00	5.3	269	11.0	1001

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (10/8/24 10:00 to 10/22/24 11:00)

10/15/24 16:00	5.9	266	11.2	1001
10/15/24 17:00	5.4	270	10.3	1002
10/15/24 18:00	3.9	264	8.8	1002
10/15/24 19:00	4.1	271	7.6	1003
10/15/24 20:00	3.7	258	7.0	1003
10/15/24 21:00	2.8	225	5.9	1003
10/15/24 22:00	2.0	234	4.2	1003
10/15/24 23:00	2.6	243	4.4	1003
10/16/24 0:00	2.9	255	5.8	1003
10/16/24 1:00	2.9	248	5.1	1002
10/16/24 2:00	3.6	261	5.7	1002
10/16/24 3:00	4.0	269	5.9	1003
10/16/24 4:00	3.9	265	6.0	1003
10/16/24 5:00	4.1	266	5.1	1004
10/16/24 6:00	4.1	267	4.2	1004
10/16/24 7:00	3.6	263	4.6	1005
10/16/24 8:00	4.5	269	6.5	1006
10/16/24 9:00	5.3	273	8.5	1007
10/16/24 10:00	5.6	303	9.0	1008
10/16/24 11:00	7.3	325	10.5	1008
10/16/24 12:00	6.0	321	11.1	1009
10/16/24 13:00	5.7	320	11.9	1009
10/16/24 14:00	6.3	323	12.3	1010
10/16/24 15:00	6.3	313	12.6	1011
10/16/24 16:00	6.3	301	11.5	1012
10/16/24 17:00	4.7	305	9.4	1013
10/16/24 18:00	3.0	258	7.6	1014
10/16/24 19:00	3.0	288	6.3	1016
10/16/24 20:00	2.0	276	5.0	1016
10/16/24 21:00	2.2	217	4.1	1017
10/16/24 22:00	1.6	215	3.2	1018
10/16/24 23:00	1.6	165	2.6	1018
10/17/24 0:00	0.4	62	1.5	1019
10/17/24 1:00	1.1	163	0.7	1019
10/17/24 2:00	0.6	135	1.0	1020
10/17/24 3:00	0.5	81	-0.1	1020
10/17/24 4:00	1.7	280	-0.8	1021
10/17/24 5:00	1.8	251	-1.1	1021
10/17/24 6:00	1.4	196	-1.0	1022
10/17/24 7:00	2.3	285	-0.1	1022
10/17/24 8:00	2.5	271	2.8	1022
10/17/24 9:00	2.3	341	7.2	1022
10/17/24 10:00	3.6	333	9.5	1022
10/17/24 11:00	2.3	240	11.3	1021

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (10/8/24 10:00 to 10/22/24 11:00)

10/17/24 12:00	3.4	172	11.3	1022
10/17/24 13:00	3.0	233	12.6	1022
10/17/24 14:00	2.3	219	13.0	1021
10/17/24 15:00	1.9	280	12.3	1021
10/17/24 16:00	1.9	141	11.3	1020
10/17/24 17:00	2.4	157	10.0	1020
10/17/24 18:00	0.7	89	7.7	1020
10/17/24 19:00	0.2	13	5.9	1020
10/17/24 20:00	0.5	92	5.0	1021
10/17/24 21:00	0.8	176	4.0	1021
10/17/24 22:00	0.5	89	2.8	1022
10/17/24 23:00	1.1	150	2.8	1022
10/18/24 0:00	1.8	285	2.4	1023
10/18/24 1:00	1.2	177	2.5	1023
10/18/24 2:00	1.1	145	2.6	1024
10/18/24 3:00	0.4	56	2.2	1024
10/18/24 4:00	1.8	205	2.3	1025
10/18/24 5:00	1.6	200	3.1	1025
10/18/24 6:00	1.8	268	2.9	1025
10/18/24 7:00	1.4	220	3.6	1026
10/18/24 8:00	1.0	157	6.9	1027
10/18/24 9:00	2.8	282	10.7	1028
10/18/24 10:00	4.0	39	12.5	1028
10/18/24 11:00	3.2	70	13.3	1028
10/18/24 12:00	2.3	84	14.4	1028
10/18/24 13:00	3.0	181	16.3	1028
10/18/24 14:00	4.2	217	17.0	1028
10/18/24 15:00	3.4	247	17.0	1028
10/18/24 16:00	2.8	287	16.9	1028
10/18/24 17:00	0.9	107	14.7	1028
10/18/24 18:00	ND	ND	11.7	1029
10/18/24 19:00	0.2	12	9.5	1029
10/18/24 20:00	ND	ND	8.0	1029
10/18/24 21:00	0.6	87	6.8	1029
10/18/24 22:00	0.4	58	5.7	1030
10/18/24 23:00	0.5	84	5.6	1030
10/19/24 0:00	1.2	168	4.6	1030
10/19/24 1:00	1.2	165	4.2	1030
10/19/24 2:00	0.3	48	4.6	1030
10/19/24 3:00	0.4	55	3.5	1030
10/19/24 4:00	0.4	54	3.8	1030
10/19/24 5:00	1.9	243	3.8	1030
10/19/24 6:00	1.2	167	3.3	1030
10/19/24 7:00	0.2	27	3.7	1030

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (10/8/24 10:00 to 10/22/24 11:00)

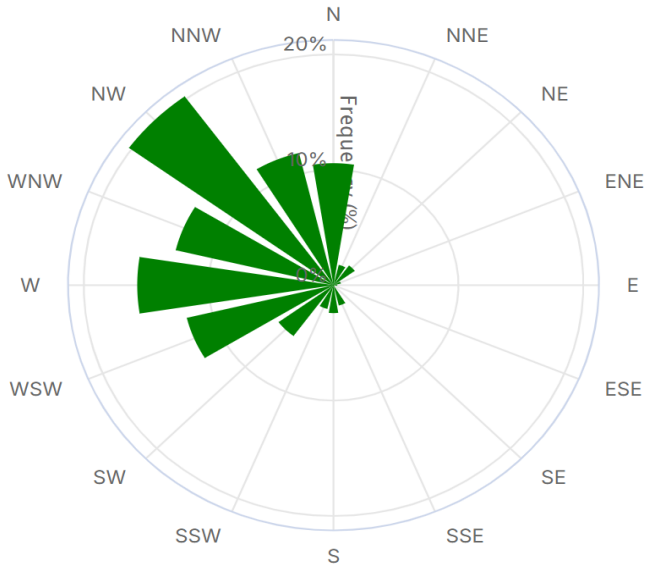
10/19/24 8:00	1.5	242	6.4	1030
10/19/24 9:00	1.7	243	9.3	1030
10/19/24 10:00	0.2	20	12.9	1029
10/19/24 11:00	0.7	91	15.3	1029
10/19/24 12:00	1.0	129	17.3	1028
10/19/24 13:00	2.4	147	17.9	1028
10/19/24 14:00	3.2	165	17.0	1027
10/19/24 15:00	2.8	154	16.2	1026
10/19/24 16:00	2.2	162	16.0	1026
10/19/24 17:00	2.3	175	13.6	1026
10/19/24 18:00	1.7	171	12.1	1025
10/19/24 19:00	0.5	59	11.2	1025
10/19/24 20:00	1.2	189	9.8	1025
10/19/24 21:00	0.6	108	8.6	1024
10/19/24 22:00	0.8	130	6.7	1024
10/19/24 23:00	0.9	123	6.1	1024
10/20/24 0:00	1.3	142	4.0	1023
10/20/24 1:00	0.2	25	4.5	1023
10/20/24 2:00	1.4	166	4.7	1023
10/20/24 3:00	0.9	123	3.4	1023
10/20/24 4:00	0.8	122	3.4	1023
10/20/24 5:00	0.6	114	2.5	1022
10/20/24 6:00	ND	ND	2.0	1022
10/20/24 7:00	0.8	111	2.4	1023
10/20/24 8:00	2.1	251	5.7	1023
10/20/24 9:00	1.8	293	10.2	1022
10/20/24 10:00	1.3	239	14.4	1022
10/20/24 11:00	0.9	153	17.8	1021
10/20/24 12:00	1.4	116	19.6	1020
10/20/24 13:00	3.0	188	19.2	1019
10/20/24 14:00	3.3	163	18.9	1018
10/20/24 15:00	3.4	155	17.5	1018
10/20/24 16:00	2.9	177	16.7	1017
10/20/24 17:00	1.0	122	14.6	1017
10/20/24 18:00	0.7	87	11.9	1017
10/20/24 19:00	1.7	217	11.1	1017
10/20/24 20:00	0.7	94	8.4	1017
10/20/24 21:00	0.2	24	7.9	1016
10/20/24 22:00	0.5	75	8.0	1016
10/20/24 23:00	0.3	68	7.1	1016
10/21/24 0:00	0.2	23	7.7	1015
10/21/24 1:00	1.1	131	8.3	1015
10/21/24 2:00	0.2	2	7.5	1015
10/21/24 3:00	0.2	27	6.9	1015

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (10/8/24 10:00 to 10/22/24 11:00)

10/21/24 4:00	ND	ND	7.2	1015
10/21/24 5:00	0.2	22	8.0	1015
10/21/24 6:00	1.6	199	8.7	1015
10/21/24 7:00	ND	ND	8.8	1016
10/21/24 8:00	1.5	157	13.7	1016
10/21/24 9:00	3.3	242	18.3	1016
10/21/24 10:00	4.4	258	21.3	1015
10/21/24 11:00	4.6	247	23.4	1015
10/21/24 12:00	5.1	242	24.2	1014
10/21/24 13:00	6.2	262	25.2	1013
10/21/24 14:00	6.4	264	25.0	1013
10/21/24 15:00	5.4	265	25.0	1013
10/21/24 16:00	4.1	260	24.9	1013
10/21/24 17:00	3.9	271	23.0	1014
10/21/24 18:00	2.5	247	20.5	1015
10/21/24 19:00	2.1	244	19.3	1015
10/21/24 20:00	2.0	173	17.0	1016
10/21/24 21:00	1.5	153	16.7	1016
10/21/24 22:00	1.1	146	14.0	1017
10/21/24 23:00	1.2	156	13.5	1017
10/22/24 0:00	0.8	114	12.9	1017
10/22/24 1:00	0.3	56	12.3	1018
10/22/24 2:00	0.2	29	11.5	1019
10/22/24 3:00	0.7	151	10.2	1019
10/22/24 4:00	1.2	182	10.2	1019
10/22/24 5:00	0.8	112	9.8	1020
10/22/24 6:00	2.0	228	9.6	1021
10/22/24 7:00	0.7	85	9.7	1022
10/22/24 8:00	0.2	31	13.2	1023
10/22/24 9:00	1.7	37	17.2	1023
10/22/24 10:00	3.3	60	18.6	1023
10/22/24 11:00	4.7	86	18.9	1024

PWM Wind Rose 10/8/24 10:00 - 10/22/24 11:00



CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (10/22/24 11:00 to 11/5/24 11:00)

Date & Time	Wind Speed	Wind Direction	Temperature	Barometric Pressure
	m/s	Deg.	°C	mb
10/22/24 11:00	4.7	86	18.9	1024
10/22/24 12:00	5.6	81	17.9	1024
10/22/24 13:00	5.8	84	16.9	1023
10/22/24 14:00	5.0	93	16.0	1023
10/22/24 15:00	4.4	90	15.0	1023
10/22/24 16:00	3.9	86	13.6	1023
10/22/24 17:00	3.0	89	12.4	1022
10/22/24 18:00	1.9	82	11.6	1023
10/22/24 19:00	2.2	82	11.1	1022
10/22/24 20:00	1.8	73	11.0	1022
10/22/24 21:00	1.0	22	10.9	1022
10/22/24 22:00	0.2	29	10.3	1022
10/22/24 23:00	1.0	191	8.9	1022
10/23/24 0:00	0.3	59	9.1	1021
10/23/24 1:00	0.5	98	10.3	1020
10/23/24 2:00	1.0	212	10.9	1020
10/23/24 3:00	0.8	160	10.9	1019
10/23/24 4:00	0.2	35	10.9	1019
10/23/24 5:00	0.2	11	11.1	1018
10/23/24 6:00	ND	ND	11.0	1018
10/23/24 7:00	ND	ND	11.0	1017
10/23/24 8:00	1.4	141	11.0	1017
10/23/24 9:00	0.6	65	11.0	1017
10/23/24 10:00	1.6	144	11.9	1016
10/23/24 11:00	2.6	192	12.5	1015
10/23/24 12:00	3.7	171	14.4	1014
10/23/24 13:00	4.4	167	15.7	1012
10/23/24 14:00	4.6	187	16.7	1011
10/23/24 15:00	3.8	173	17.4	1010
10/23/24 16:00	3.7	179	17.0	1009
10/23/24 17:00	3.8	178	15.7	1009
10/23/24 18:00	4.1	187	15.9	1009
10/23/24 19:00	4.6	193	16.6	1008
10/23/24 20:00	4.3	190	17.0	1008
10/23/24 21:00	3.3	189	17.0	1008
10/23/24 22:00	3.3	193	16.1	1008
10/23/24 23:00	2.3	196	15.7	1008
10/24/24 0:00	2.3	188	15.5	1007
10/24/24 1:00	0.6	83	14.6	1007
10/24/24 2:00	0.3	44	13.9	1007
10/24/24 3:00	0.5	91	13.0	1007
10/24/24 4:00	1.1	182	13.2	1007

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (10/22/24 11:00 to 11/5/24 11:00)

10/24/24 5:00	2.3	316	14.1	1008
10/24/24 6:00	1.3	201	14.1	1008
10/24/24 7:00	2.3	309	14.0	1008
10/24/24 8:00	1.9	273	15.3	1009
10/24/24 9:00	4.3	337	15.9	1010
10/24/24 10:00	6.5	336	17.9	1010
10/24/24 11:00	6.2	333	18.8	1009
10/24/24 12:00	6.0	248	19.0	1009
10/24/24 13:00	5.6	283	19.6	1009
10/24/24 14:00	5.9	345	18.3	1009
10/24/24 15:00	4.1	339	18.0	1009
10/24/24 16:00	4.4	340	17.9	1009
10/24/24 17:00	4.0	348	16.4	1010
10/24/24 18:00	4.3	354	14.2	1011
10/24/24 19:00	5.4	353	13.1	1012
10/24/24 20:00	4.3	320	11.6	1013
10/24/24 21:00	4.6	358	10.9	1014
10/24/24 22:00	3.7	360	9.4	1014
10/24/24 23:00	3.9	345	8.0	1014
10/25/24 0:00	4.2	333	8.0	1014
10/25/24 1:00	3.8	336	7.5	1014
10/25/24 2:00	3.9	339	7.0	1015
10/25/24 3:00	3.7	334	7.0	1015
10/25/24 4:00	3.0	333	6.9	1015
10/25/24 5:00	3.5	319	6.3	1015
10/25/24 6:00	3.6	332	5.9	1016
10/25/24 7:00	2.8	329	5.5	1017
10/25/24 8:00	3.1	328	7.7	1017
10/25/24 9:00	4.1	342	10.0	1017
10/25/24 10:00	3.7	316	11.4	1017
10/25/24 11:00	3.4	307	12.5	1016
10/25/24 12:00	3.5	332	13.3	1015
10/25/24 13:00	2.9	280	14.0	1014
10/25/24 14:00	1.9	192	14.7	1014
10/25/24 15:00	4.2	167	12.5	1013
10/25/24 16:00	3.4	170	11.6	1013
10/25/24 17:00	2.8	184	10.6	1013
10/25/24 18:00	2.9	200	9.8	1013
10/25/24 19:00	2.0	206	9.0	1013
10/25/24 20:00	1.1	157	8.5	1013
10/25/24 21:00	2.8	209	8.6	1013
10/25/24 22:00	2.7	213	9.0	1012
10/25/24 23:00	1.5	201	9.0	1012
10/26/24 0:00	0.3	54	8.8	1011

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (10/22/24 11:00 to 11/5/24 11:00)

10/26/24 1:00	1.0	139	7.8	1011
10/26/24 2:00	2.7	276	7.0	1011
10/26/24 3:00	2.5	276	7.9	1010
10/26/24 4:00	2.1	271	8.6	1010
10/26/24 5:00	1.7	239	7.4	1010
10/26/24 6:00	1.5	214	6.5	1010
10/26/24 7:00	0.7	112	5.6	1010
10/26/24 8:00	0.5	83	8.4	1010
10/26/24 9:00	3.9	251	13.0	1010
10/26/24 10:00	6.0	272	14.9	1010
10/26/24 11:00	7.0	281	16.2	1010
10/26/24 12:00	7.6	294	15.4	1010
10/26/24 13:00	7.4	308	15.4	1010
10/26/24 14:00	7.6	315	14.8	1010
10/26/24 15:00	7.5	317	14.1	1011
10/26/24 16:00	7.2	318	13.0	1012
10/26/24 17:00	6.3	316	11.3	1014
10/26/24 18:00	5.1	321	10.3	1015
10/26/24 19:00	4.3	307	8.8	1016
10/26/24 20:00	3.5	290	7.3	1017
10/26/24 21:00	2.9	271	7.1	1017
10/26/24 22:00	0.5	62	4.8	1018
10/26/24 23:00	2.0	253	4.2	1018
10/27/24 0:00	3.2	267	4.6	1019
10/27/24 1:00	2.6	268	4.6	1019
10/27/24 2:00	2.5	281	2.9	1020
10/27/24 3:00	3.6	286	2.0	1020
10/27/24 4:00	3.3	283	2.1	1021
10/27/24 5:00	3.6	278	1.8	1022
10/27/24 6:00	3.9	280	1.7	1023
10/27/24 7:00	2.3	247	2.0	1023
10/27/24 8:00	2.6	246	3.2	1023
10/27/24 9:00	3.7	251	5.6	1023
10/27/24 10:00	5.6	259	7.2	1023
10/27/24 11:00	5.6	256	8.7	1021
10/27/24 12:00	7.2	260	9.8	1021
10/27/24 13:00	7.2	261	10.8	1020
10/27/24 14:00	7.7	262	11.5	1019
10/27/24 15:00	5.2	264	11.4	1020
10/27/24 16:00	5.6	266	11.3	1020
10/27/24 17:00	4.3	271	9.9	1020
10/27/24 18:00	2.4	248	8.5	1020
10/27/24 19:00	2.1	247	7.3	1020
10/27/24 20:00	2.0	273	5.1	1021

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (10/22/24 11:00 to 11/5/24 11:00)

10/27/24 21:00	1.1	51	4.4	1022
10/27/24 22:00	2.6	283	2.8	1023
10/27/24 23:00	6.6	350	3.6	1024
10/28/24 0:00	4.4	343	3.0	1024
10/28/24 1:00	4.9	343	3.0	1025
10/28/24 2:00	4.0	352	3.0	1025
10/28/24 3:00	4.7	355	3.0	1026
10/28/24 4:00	4.5	352	3.0	1026
10/28/24 5:00	3.8	353	2.0	1027
10/28/24 6:00	4.4	344	1.4	1028
10/28/24 7:00	3.2	324	0.4	1029
10/28/24 8:00	3.4	335	1.8	1029
10/28/24 9:00	4.4	333	3.6	1030
10/28/24 10:00	4.7	316	4.9	1030
10/28/24 11:00	4.4	320	6.7	1030
10/28/24 12:00	3.8	316	7.5	1029
10/28/24 13:00	3.4	334	8.1	1029
10/28/24 14:00	4.4	317	8.7	1029
10/28/24 15:00	4.2	317	8.8	1029
10/28/24 16:00	3.1	328	7.7	1029
10/28/24 17:00	1.8	300	6.0	1029
10/28/24 18:00	1.2	139	4.2	1030
10/28/24 19:00	2.1	249	3.8	1030
10/28/24 20:00	0.4	62	0.7	1031
10/28/24 21:00	ND	ND	-0.1	1032
10/28/24 22:00	0.8	139	-1.7	1032
10/28/24 23:00	0.8	139	-1.7	1032
10/29/24 0:00	0.6	109	-2.7	1032
10/29/24 1:00	1.1	146	-3.2	1032
10/29/24 2:00	2.0	282	-3.4	1032
10/29/24 3:00	0.6	129	-3.6	1032
10/29/24 4:00	1.2	204	-2.6	1033
10/29/24 5:00	0.8	164	-1.9	1033
10/29/24 6:00	1.1	242	-1.1	1033
10/29/24 7:00	1.4	269	0.4	1033
10/29/24 8:00	2.1	344	1.4	1033
10/29/24 9:00	2.3	342	2.5	1033
10/29/24 10:00	1.0	203	4.4	1033
10/29/24 11:00	0.3	35	6.4	1033
10/29/24 12:00	ND	ND	7.7	1033
10/29/24 13:00	2.3	99	8.8	1032
10/29/24 14:00	4.0	177	10.0	1031
10/29/24 15:00	4.1	185	9.7	1031
10/29/24 16:00	3.6	181	9.2	1030

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (10/22/24 11:00 to 11/5/24 11:00)

10/29/24 17:00	3.0	182	9.0	1030
10/29/24 18:00	3.1	184	9.6	1030
10/29/24 19:00	3.4	185	10.0	1030
10/29/24 20:00	3.8	186	10.5	1030
10/29/24 21:00	3.6	190	10.8	1030
10/29/24 22:00	3.8	187	11.0	1029
10/29/24 23:00	3.5	183	10.8	1030
10/30/24 0:00	2.6	181	9.2	1030
10/30/24 1:00	2.8	184	9.0	1029
10/30/24 2:00	3.0	177	9.0	1028
10/30/24 3:00	3.4	173	9.1	1027
10/30/24 4:00	3.7	167	9.0	1027
10/30/24 5:00	3.5	170	9.0	1027
10/30/24 6:00	4.0	173	9.0	1027
10/30/24 7:00	3.9	166	9.0	1027
10/30/24 8:00	4.4	171	9.7	1026
10/30/24 9:00	4.0	168	10.2	1026
10/30/24 10:00	4.2	175	11.0	1025
10/30/24 11:00	4.3	184	11.0	1024
10/30/24 12:00	3.5	192	11.6	1023
10/30/24 13:00	3.7	188	12.0	1022
10/30/24 14:00	3.4	189	12.4	1021
10/30/24 15:00	2.8	178	13.0	1021
10/30/24 16:00	1.7	162	13.0	1020
10/30/24 17:00	1.1	142	12.5	1019
10/30/24 18:00	0.5	48	12.4	1019
10/30/24 19:00	1.2	124	12.0	1019
10/30/24 20:00	0.2	18	12.0	1018
10/30/24 21:00	1.6	211	12.0	1018
10/30/24 22:00	0.8	123	12.0	1018
10/30/24 23:00	1.0	138	12.0	1017
10/31/24 0:00	1.2	163	12.0	1016
10/31/24 1:00	1.5	169	11.5	1016
10/31/24 2:00	2.2	229	11.0	1015
10/31/24 3:00	2.5	229	11.1	1014
10/31/24 4:00	1.9	226	11.0	1014
10/31/24 5:00	1.0	121	10.4	1014
10/31/24 6:00	ND	ND	9.4	1014
10/31/24 7:00	0.6	81	9.7	1014
10/31/24 8:00	0.7	81	11.2	1014
10/31/24 9:00	2.6	231	14.3	1014
10/31/24 10:00	2.3	222	18.1	1014
10/31/24 11:00	3.4	222	21.0	1013
10/31/24 12:00	4.4	226	22.8	1012

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (10/22/24 11:00 to 11/5/24 11:00)

10/31/24 13:00	4.6	228	24.0	1011
10/31/24 14:00	4.3	226	24.1	1011
10/31/24 15:00	4.2	228	24.2	1010
10/31/24 16:00	3.5	217	23.9	1010
10/31/24 17:00	2.0	156	20.6	1010
10/31/24 18:00	2.7	173	18.5	1010
10/31/24 19:00	2.4	191	18.4	1010
10/31/24 20:00	2.5	159	17.3	1009
10/31/24 21:00	3.3	200	18.9	1009
10/31/24 22:00	4.5	221	20.0	1008
10/31/24 23:00	4.7	226	20.0	1008
11/1/24 0:00	4.1	227	ND	1007
11/1/24 1:00	3.7	235	ND	1006
11/1/24 2:00	3.6	217	ND	1006
11/1/24 3:00	4.8	218	ND	1005
11/1/24 4:00	4.6	217	20.0	1005
11/1/24 5:00	3.0	201	20.0	1004
11/1/24 6:00	2.8	169	16.1	1004
11/1/24 7:00	3.0	221	18.7	1004
11/1/24 8:00	3.9	232	19.3	1004
11/1/24 9:00	3.3	226	20.0	1004
11/1/24 10:00	3.5	241	21.0	1004
11/1/24 11:00	5.3	258	22.2	1004
11/1/24 12:00	9.0	277	22.5	1004
11/1/24 13:00	8.9	273	22.9	1004
11/1/24 14:00	8.8	269	22.9	1004
11/1/24 15:00	8.2	272	22.7	1005
11/1/24 16:00	8.3	290	21.2	1006
11/1/24 17:00	7.2	301	18.5	1008
11/1/24 18:00	6.1	312	16.6	1010
11/1/24 19:00	5.0	306	15.3	1011
11/1/24 20:00	4.7	311	14.0	1012
11/1/24 21:00	4.3	317	13.4	1013
11/1/24 22:00	3.7	311	12.6	1014
11/1/24 23:00	3.3	323	12.2	1014
11/2/24 0:00	2.5	98	12.0	1015
11/2/24 1:00	3.5	151	11.5	1016
11/2/24 2:00	2.9	131	10.4	1016
11/2/24 3:00	4.3	286	9.0	1017
11/2/24 4:00	4.0	285	8.0	1018
11/2/24 5:00	4.0	182	8.0	1019
11/2/24 6:00	5.3	347	7.5	1019
11/2/24 7:00	4.0	348	7.0	1020
11/2/24 8:00	3.8	218	7.0	1021

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (10/22/24 11:00 to 11/5/24 11:00)

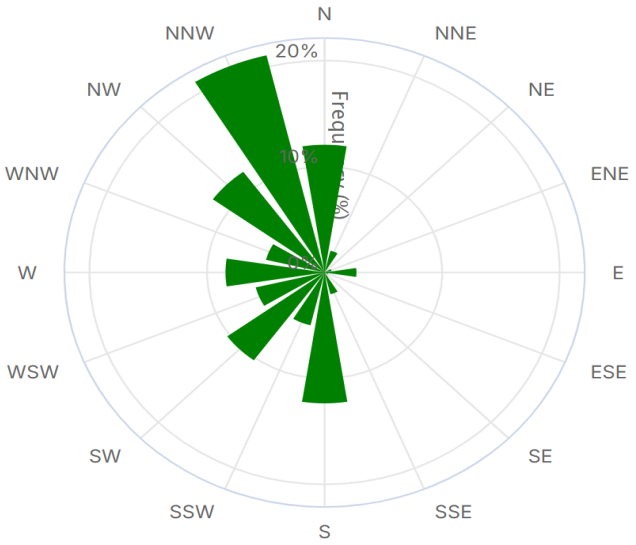
11/2/24 9:00	3.2	321	7.5	1022
11/2/24 10:00	4.7	320	8.2	1022
11/2/24 11:00	6.3	340	8.8	1022
11/2/24 12:00	5.0	345	9.2	1022
11/2/24 13:00	4.7	271	9.6	1022
11/2/24 14:00	4.7	247	9.9	1022
11/2/24 15:00	4.2	337	8.1	1022
11/2/24 16:00	3.3	338	7.5	1023
11/2/24 17:00	3.0	349	6.3	1023
11/2/24 18:00	2.5	347	5.1	1024
11/2/24 19:00	2.7	342	3.6	1025
11/2/24 20:00	2.8	348	2.5	1025
11/2/24 21:00	1.5	350	2.7	1026
11/2/24 22:00	1.6	348	1.5	1026
11/2/24 23:00	2.1	345	0.5	1026
11/3/24 0:00	1.1	210	-1.1	1026
11/3/24 1:00	0.7	112	-2.5	1027
11/3/24 2:00	2.6	290	-3.5	1027
11/3/24 3:00	1.7	232	-3.2	1028
11/3/24 4:00	1.9	276	-3.3	1028
11/3/24 5:00	1.5	259	-3.5	1028
11/3/24 6:00	1.0	142	-1.1	1029
11/3/24 7:00	2.1	261	2.5	1029
11/3/24 8:00	2.9	319	4.6	1029
11/3/24 9:00	3.1	336	6.0	1029
11/3/24 10:00	4.3	305	6.8	1028
11/3/24 11:00	3.0	313	7.8	1028
11/3/24 12:00	4.3	303	8.0	1028
11/3/24 13:00	4.0	320	8.1	1028
11/3/24 14:00	2.9	309	7.8	1028
11/3/24 15:00	1.8	274	6.8	1028
11/3/24 16:00	1.4	223	4.8	1029
11/3/24 17:00	0.2	26	2.8	1029
11/3/24 18:00	0.5	93	1.4	1030
11/3/24 19:00	0.5	82	0.9	1030
11/3/24 20:00	0.5	99	0.8	1031
11/3/24 21:00	1.6	222	-1.0	1031
11/3/24 22:00	1.5	303	-0.8	1031
11/3/24 23:00	2.4	291	-1.8	1032
11/4/24 0:00	1.4	267	-2.2	1032
11/4/24 1:00	1.8	280	-1.8	1032
11/4/24 2:00	1.2	231	-2.1	1032
11/4/24 3:00	0.9	188	-1.9	1032
11/4/24 4:00	1.4	214	-2.2	1032

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (10/22/24 11:00 to 11/5/24 11:00)

11/4/24 5:00	2.5	290	-1.4	1033
11/4/24 6:00	1.1	140	0.2	1034
11/4/24 7:00	0.5	72	2.3	1033
11/4/24 8:00	1.8	18	4.3	1033
11/4/24 9:00	1.1	24	5.6	1033
11/4/24 10:00	1.6	58	6.7	1032
11/4/24 11:00	0.2	32	7.5	1031
11/4/24 12:00	1.0	161	8.1	1030
11/4/24 13:00	2.2	159	8.6	1029
11/4/24 14:00	2.7	187	8.0	1029
11/4/24 15:00	1.4	134	7.9	1028
11/4/24 16:00	ND	ND	7.5	1028
11/4/24 17:00	0.5	73	7.1	1027
11/4/24 18:00	1.2	145	7.2	1026
11/4/24 19:00	1.2	179	7.0	1026
11/4/24 20:00	1.1	145	7.0	1025
11/4/24 21:00	1.1	123	7.4	1024
11/4/24 22:00	4.4	201	8.9	1023
11/4/24 23:00	4.9	208	9.9	1022
11/5/24 0:00	4.7	205	10.2	1021
11/5/24 1:00	4.7	202	11.0	1020
11/5/24 2:00	3.6	216	10.9	1020
11/5/24 3:00	3.1	220	10.2	1020
11/5/24 4:00	3.1	216	9.6	1020
11/5/24 5:00	3.2	219	9.0	1019
11/5/24 6:00	2.9	216	9.6	1019
11/5/24 7:00	3.2	214	10.3	1018
11/5/24 8:00	3.0	229	11.0	1018
11/5/24 9:00	2.7	228	11.7	1017
11/5/24 10:00	3.7	242	14.0	1016
11/5/24 11:00	3.5	238	15.3	1015

PWM Wind Rose 10/22/24 11:00 - 11/5/24 11:00



CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (11/5/24 11:00 to 11/19/24 11:00)

Date & Time	Wind Speed	Wind Direction	Temperature	Barometric Pressure
	m/s	Deg.	°C	mb
11/5/24 11:00	3.5	238	15.3	1015
11/5/24 12:00	4.0	220	16.5	1015
11/5/24 13:00	3.5	227	17.4	1014
11/5/24 14:00	2.8	200	17.1	1014
11/5/24 15:00	1.5	173	15.4	1013
11/5/24 16:00	1.7	154	13.1	1013
11/5/24 17:00	2.3	217	13.5	1012
11/5/24 18:00	2.2	193	13.3	1012
11/5/24 19:00	0.5	50	12.0	1012
11/5/24 20:00	0.4	54	11.0	1011
11/5/24 21:00	1.3	196	12.0	1011
11/5/24 22:00	3.1	219	15.4	1011
11/5/24 23:00	3.6	221	16.0	1010
11/6/24 0:00	3.0	230	16.0	1010
11/6/24 1:00	3.9	228	16.0	1010
11/6/24 2:00	4.5	219	16.0	1009
11/6/24 3:00	4.1	228	16.0	1009
11/6/24 4:00	4.3	228	16.0	1009
11/6/24 5:00	4.2	222	16.0	1009
11/6/24 6:00	4.5	217	16.6	1009
11/6/24 7:00	5.4	229	18.1	1008
11/6/24 8:00	4.9	234	19.7	1008
11/6/24 9:00	5.0	238	21.0	1007
11/6/24 10:00	5.4	228	23.0	1006
11/6/24 11:00	6.1	254	25.1	1005
11/6/24 12:00	6.3	262	24.8	1005
11/6/24 13:00	6.5	262	24.6	1005
11/6/24 14:00	7.0	257	23.9	1006
11/6/24 15:00	6.9	254	23.0	1006
11/6/24 16:00	5.0	261	22.4	1007
11/6/24 17:00	4.2	251	21.8	1007
11/6/24 18:00	3.3	253	20.7	1008
11/6/24 19:00	3.0	242	19.3	1008
11/6/24 20:00	3.6	245	18.8	1008
11/6/24 21:00	3.0	303	17.2	1009
11/6/24 22:00	2.2	208	17.0	1009
11/6/24 23:00	1.2	105	14.5	1009
11/7/24 0:00	2.9	265	15.6	1010
11/7/24 1:00	2.0	269	13.8	1010
11/7/24 2:00	2.6	273	13.9	1010
11/7/24 3:00	1.8	214	12.6	1010
11/7/24 4:00	2.9	261	13.9	1010

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (11/5/24 11:00 to 11/19/24 11:00)

11/7/24 5:00	2.5	261	14.3	1010
11/7/24 6:00	2.7	242	15.5	1010
11/7/24 7:00	3.4	250	16.1	1010
11/7/24 8:00	4.7	267	17.5	1010
11/7/24 9:00	5.6	318	17.8	1010
11/7/24 10:00	5.3	328	17.1	1010
11/7/24 11:00	7.8	317	17.6	1010
11/7/24 12:00	6.4	324	17.3	1011
11/7/24 13:00	5.9	318	15.7	1011
11/7/24 14:00	5.0	326	14.0	1011
11/7/24 15:00	4.0	326	12.3	1012
11/7/24 16:00	2.7	343	10.6	1013
11/7/24 17:00	1.6	226	8.9	1014
11/7/24 18:00	1.0	164	7.9	1014
11/7/24 19:00	0.5	84	5.6	1014
11/7/24 20:00	0.9	95	4.5	1014
11/7/24 21:00	1.2	172	5.2	1013
11/7/24 22:00	1.0	160	3.5	1013
11/7/24 23:00	0.5	75	3.4	1013
11/8/24 0:00	1.9	232	2.6	1012
11/8/24 1:00	1.1	147	3.1	1012
11/8/24 2:00	1.7	220	3.6	1011
11/8/24 3:00	2.5	227	4.0	1010
11/8/24 4:00	3.4	230	4.0	1010
11/8/24 5:00	2.9	230	4.0	1009
11/8/24 6:00	4.0	223	5.9	1008
11/8/24 7:00	4.1	228	7.5	1007
11/8/24 8:00	4.6	239	9.9	1006
11/8/24 9:00	5.9	260	11.9	1004
11/8/24 10:00	8.0	269	13.0	1003
11/8/24 11:00	9.2	265	14.0	1002
11/8/24 12:00	7.7	262	14.5	1001
11/8/24 13:00	6.2	271	14.0	1001
11/8/24 14:00	7.0	275	13.6	1001
11/8/24 15:00	7.4	296	12.4	1003
11/8/24 16:00	6.1	287	10.7	1003
11/8/24 17:00	4.9	296	9.5	1005
11/8/24 18:00	3.2	266	7.5	1006
11/8/24 19:00	5.6	297	7.5	1007
11/8/24 20:00	5.5	306	6.8	1007
11/8/24 21:00	4.1	294	4.7	1008
11/8/24 22:00	5.4	308	5.5	1009
11/8/24 23:00	8.0	322	7.0	1010
11/9/24 0:00	8.3	320	6.8	1011

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (11/5/24 11:00 to 11/19/24 11:00)

11/9/24 1:00	7.4	321	6.0	1012
11/9/24 2:00	7.1	324	5.9	1012
11/9/24 3:00	7.4	336	5.1	1014
11/9/24 4:00	7.0	337	4.4	1015
11/9/24 5:00	6.6	329	4.0	1016
11/9/24 6:00	6.4	326	4.6	1018
11/9/24 7:00	7.9	332	5.9	1019
11/9/24 8:00	8.1	327	6.4	1019
11/9/24 9:00	9.0	324	7.3	1019
11/9/24 10:00	8.7	321	8.0	1018
11/9/24 11:00	8.0	322	8.3	1019
11/9/24 12:00	7.7	322	9.0	1019
11/9/24 13:00	6.4	338	8.6	1020
11/9/24 14:00	4.4	337	7.7	1021
11/9/24 15:00	3.0	341	6.2	1022
11/9/24 16:00	3.2	349	4.7	1023
11/9/24 17:00	2.7	302	4.5	1024
11/9/24 18:00	3.2	278	3.2	1025
11/9/24 19:00	1.5	261	2.5	1025
11/9/24 20:00	0.9	136	1.4	1025
11/9/24 21:00	2.4	276	0.5	1025
11/9/24 22:00	1.1	133	-0.8	1025
11/9/24 23:00	0.8	104	-1.3	1025
11/10/24 0:00	0.2	28	-2.2	1025
11/10/24 1:00	0.9	143	-2.5	1025
11/10/24 2:00	0.3	54	-2.4	1025
11/10/24 3:00	0.2	26	-2.9	1025
11/10/24 4:00	0.2	29	-3.3	1024
11/10/24 5:00	ND	ND	-3.1	1024
11/10/24 6:00	0.2	24	-0.7	1024
11/10/24 7:00	1.7	207	2.0	1023
11/10/24 8:00	3.9	222	6.1	1022
11/10/24 9:00	5.0	216	8.4	1021
11/10/24 10:00	5.7	223	9.3	1019
11/10/24 11:00	4.9	224	10.7	1018
11/10/24 12:00	4.0	220	11.9	1016
11/10/24 13:00	3.7	208	12.1	1015
11/10/24 14:00	3.3	216	11.5	1015
11/10/24 15:00	2.3	191	10.2	1014
11/10/24 16:00	2.7	201	9.5	1014
11/10/24 17:00	1.8	178	9.1	1013
11/10/24 18:00	1.8	212	9.6	1012
11/10/24 19:00	2.8	204	10.4	1011
11/10/24 20:00	2.4	204	9.0	1010

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (11/5/24 11:00 to 11/19/24 11:00)

11/10/24 21:00	3.0	202	9.0	1009
11/10/24 22:00	4.4	202	9.0	1008
11/10/24 23:00	4.1	206	9.0	1007
11/11/24 0:00	3.3	210	9.0	1006
11/11/24 1:00	2.8	199	8.1	1004
11/11/24 2:00	2.5	219	8.0	1003
11/11/24 3:00	1.6	210	8.0	1001
11/11/24 4:00	2.8	224	8.9	1000
11/11/24 5:00	2.8	232	9.1	1000
11/11/24 6:00	3.5	226	9.3	1000
11/11/24 7:00	4.4	219	10.9	999
11/11/24 8:00	4.5	221	13.0	999
11/11/24 9:00	4.8	225	15.1	998
11/11/24 10:00	6.1	250	17.1	998
11/11/24 11:00	7.9	265	18.0	997
11/11/24 12:00	7.8	280	18.8	997
11/11/24 13:00	7.2	267	17.2	997
11/11/24 14:00	7.7	276	16.7	998
11/11/24 15:00	5.2	264	15.5	998
11/11/24 16:00	3.5	245	14.2	999
11/11/24 17:00	2.8	243	13.4	999
11/11/24 18:00	2.4	227	12.4	999
11/11/24 19:00	1.8	210	11.5	999
11/11/24 20:00	2.5	196	10.7	999
11/11/24 21:00	1.8	219	11.0	999
11/11/24 22:00	2.2	213	11.0	998
11/11/24 23:00	1.7	195	11.0	998
11/12/24 0:00	2.4	232	10.1	998
11/12/24 1:00	3.7	243	10.4	998
11/12/24 2:00	4.2	260	10.4	998
11/12/24 3:00	4.0	262	10.4	999
11/12/24 4:00	3.3	273	9.7	1000
11/12/24 5:00	4.7	303	8.8	1002
11/12/24 6:00	7.4	329	9.1	1004
11/12/24 7:00	9.5	322	9.0	1006
11/12/24 8:00	10.5	322	9.0	1006
11/12/24 9:00	10.7	321	8.9	1007
11/12/24 10:00	9.7	322	8.9	1009
11/12/24 11:00	9.7	323	8.4	1010
11/12/24 12:00	9.5	319	8.0	1011
11/12/24 13:00	10.3	326	7.3	1012
11/12/24 14:00	8.8	329	6.0	1014
11/12/24 15:00	7.7	332	6.0	1016
11/12/24 16:00	6.5	326	5.2	1017

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (11/5/24 11:00 to 11/19/24 11:00)

11/12/24 17:00	7.1	324	4.1	1019
11/12/24 18:00	7.6	326	3.4	1020
11/12/24 19:00	7.4	335	2.6	1021
11/12/24 20:00	8.1	342	2.0	1022
11/12/24 21:00	6.8	340	1.9	1023
11/12/24 22:00	5.6	332	1.0	1023
11/12/24 23:00	3.6	340	0.2	1024
11/13/24 0:00	2.5	342	-1.2	1025
11/13/24 1:00	3.6	324	-1.3	1025
11/13/24 2:00	4.2	326	-1.3	1026
11/13/24 3:00	4.1	336	-1.1	1027
11/13/24 4:00	4.0	347	-1.8	1028
11/13/24 5:00	4.8	256	-1.1	1029
11/13/24 6:00	6.4	322	-0.5	1030
11/13/24 7:00	6.6	319	1.3	1030
11/13/24 8:00	7.1	220	2.2	1031
11/13/24 9:00	7.3	218	3.2	1031
11/13/24 10:00	5.8	251	4.5	1030
11/13/24 11:00	6.5	181	5.6	1030
11/13/24 12:00	6.4	313	6.0	1029
11/13/24 13:00	6.0	282	5.9	1030
11/13/24 14:00	5.7	285	4.6	1030
11/13/24 15:00	3.9	288	3.5	1030
11/13/24 16:00	3.5	48	2.3	1030
11/13/24 17:00	3.8	87	2.0	1030
11/13/24 18:00	3.2	153	1.4	1030
11/13/24 19:00	2.8	229	0.6	1031
11/13/24 20:00	4.3	82	1.0	1030
11/13/24 21:00	2.7	216	-0.2	1030
11/13/24 22:00	2.9	338	-1.3	1030
11/13/24 23:00	3.2	312	-1.9	1030
11/14/24 0:00	3.4	350	-2.5	1029
11/14/24 1:00	2.6	324	-2.7	1029
11/14/24 2:00	2.8	287	-2.6	1028
11/14/24 3:00	2.6	221	-2.7	1027
11/14/24 4:00	2.1	52	-2.9	1027
11/14/24 5:00	3.1	350	-3.6	1028
11/14/24 6:00	3.9	218	-1.9	1027
11/14/24 7:00	5.0	15	0.2	1027
11/14/24 8:00	4.4	287	2.2	1026
11/14/24 9:00	4.7	285	3.7	1025
11/14/24 10:00	4.6	347	5.3	1024
11/14/24 11:00	3.9	313	6.1	1023
11/14/24 12:00	3.4	306	7.0	1021

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (11/5/24 11:00 to 11/19/24 11:00)

11/14/24 13:00	4.3	280	7.0	1020
11/14/24 14:00	3.8	315	5.6	1020
11/14/24 15:00	2.1	344	4.0	1019
11/14/24 16:00	1.4	289	2.6	1018
11/14/24 17:00	1.2	228	-0.8	1018
11/14/24 18:00	1.1	195	-1.8	1018
11/14/24 19:00	2.7	343	-1.8	1017
11/14/24 20:00	1.4	275	-1.0	1017
11/14/24 21:00	2.0	241	-2.9	1015
11/14/24 22:00	2.5	291	-3.2	1014
11/14/24 23:00	1.8	181	-3.8	1014
11/15/24 0:00	0.8	117	-3.7	1013
11/15/24 1:00	1.8	222	-3.4	1012
11/15/24 2:00	2.5	250	-3.8	1011
11/15/24 3:00	2.2	279	-3.8	1010
11/15/24 4:00	1.0	115	-4.5	1009
11/15/24 5:00	1.6	217	-4.0	1008
11/15/24 6:00	2.2	285	-2.5	1007
11/15/24 7:00	3.6	296	1.0	1007
11/15/24 8:00	4.0	309	5.8	1006
11/15/24 9:00	4.9	312	9.6	1005
11/15/24 10:00	6.0	320	12.0	1003
11/15/24 11:00	7.8	320	13.2	1002
11/15/24 12:00	7.5	316	13.3	1001
11/15/24 13:00	6.1	314	13.0	1000
11/15/24 14:00	5.2	318	12.2	1000
11/15/24 15:00	4.4	326	11.6	1000
11/15/24 16:00	4.9	326	11.0	1000
11/15/24 17:00	4.4	325	10.3	1000
11/15/24 18:00	4.6	333	9.5	1001
11/15/24 19:00	5.7	338	8.9	1001
11/15/24 20:00	3.5	325	8.7	1001
11/15/24 21:00	2.9	307	8.0	1001
11/15/24 22:00	2.2	318	7.6	1000
11/15/24 23:00	1.7	198	6.8	1000
11/16/24 0:00	2.9	266	7.0	1000
11/16/24 1:00	1.1	180	6.3	1000
11/16/24 2:00	1.4	228	5.2	1001
11/16/24 3:00	1.9	234	4.2	1001
11/16/24 4:00	2.4	267	3.3	1001
11/16/24 5:00	1.0	124	3.5	1001
11/16/24 6:00	1.1	155	5.8	1002
11/16/24 7:00	1.8	289	0.1	1003
11/16/24 8:00	5.3	339	10.6	1003

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (11/5/24 11:00 to 11/19/24 11:00)

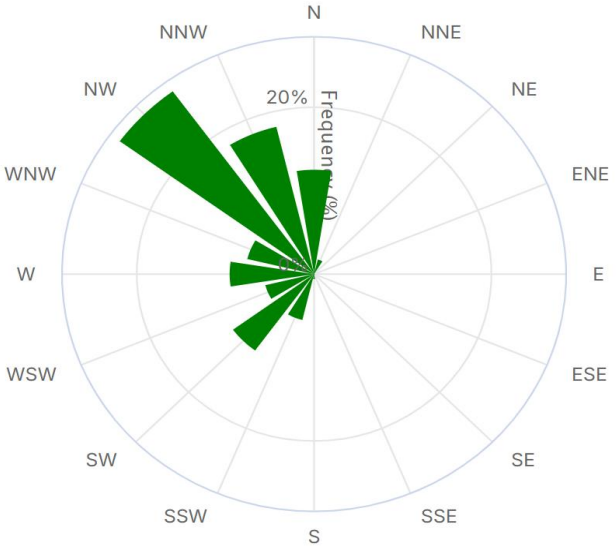
11/16/24 9:00	5.6	343	10.3	1003
11/16/24 10:00	6.2	322	11.3	1003
11/16/24 11:00	6.7	326	11.0	1003
11/16/24 12:00	7.0	309	11.7	1003
11/16/24 13:00	5.8	318	12.0	1004
11/16/24 14:00	4.2	323	11.4	1005
11/16/24 15:00	3.9	315	10.9	1005
11/16/24 16:00	3.7	312	9.2	1006
11/16/24 17:00	5.2	331	9.0	1007
11/16/24 18:00	4.0	341	7.8	1007
11/16/24 19:00	2.5	293	6.7	1008
11/16/24 20:00	1.0	131	5.0	1008
11/16/24 21:00	1.4	147	3.8	1008
11/16/24 22:00	1.0	129	2.5	1008
11/16/24 23:00	2.3	208	2.0	1008
11/17/24 0:00	1.6	235	3.5	1009
11/17/24 1:00	2.6	201	3.6	1009
11/17/24 2:00	2.2	318	3.4	1010
11/17/24 3:00	2.3	302	1.8	1010
11/17/24 4:00	0.8	196	2.0	1011
11/17/24 5:00	0.9	122	0.5	1011
11/17/24 6:00	0.5	88	1.9	1012
11/17/24 7:00	0.2	28	6.5	1012
11/17/24 8:00	3.1	274	9.7	1012
11/17/24 9:00	4.8	334	11.7	1011
11/17/24 10:00	4.2	327	12.6	1010
11/17/24 11:00	6.0	309	13.5	1010
11/17/24 12:00	6.0	318	14.1	1009
11/17/24 13:00	5.2	326	14.5	1009
11/17/24 14:00	3.9	319	13.6	1009
11/17/24 15:00	2.4	307	11.1	1009
11/17/24 16:00	3.2	316	9.1	1009
11/17/24 17:00	3.3	309	8.0	1009
11/17/24 18:00	1.7	139	7.5	1009
11/17/24 19:00	0.8	105	5.6	1009
11/17/24 20:00	1.4	111	3.4	1009
11/17/24 21:00	0.4	58	3.0	1009
11/17/24 22:00	1.8	178	2.8	1009
11/17/24 23:00	0.3	33	2.7	1009
11/18/24 0:00	1.5	150	1.8	1007
11/18/24 1:00	2.2	168	3.2	1006
11/18/24 2:00	1.9	198	3.1	1007
11/18/24 3:00	0.5	13	2.9	1006
11/18/24 4:00	1.9	203	3.1	1006

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (11/5/24 11:00 to 11/19/24 11:00)

11/18/24 5:00	0.5	79	2.7	1007
11/18/24 6:00	0.4	69	3.6	1007
11/18/24 7:00	0.2	56	4.9	1006
11/18/24 8:00	1.6	126	6.8	1005
11/18/24 9:00	2.7	265	8.7	1005
11/18/24 10:00	2.9	302	11.7	1004
11/18/24 11:00	3.3	313	13.5	1003
11/18/24 12:00	5.5	319	13.9	1003
11/18/24 13:00	6.3	306	13.7	1003
11/18/24 14:00	3.8	316	12.5	1004
11/18/24 15:00	2.5	327	10.2	1004
11/18/24 16:00	2.6	294	9.6	1004
11/18/24 17:00	4.0	318	10.3	1005
11/18/24 18:00	3.5	302	8.4	1005
11/18/24 19:00	4.4	323	8.6	1005
11/18/24 20:00	5.0	325	8.8	1005
11/18/24 21:00	4.6	313	7.8	1005
11/18/24 22:00	4.8	310	6.9	1005
11/18/24 23:00	5.1	317	7.9	1005
11/19/24 0:00	4.0	320	7.3	1006
11/19/24 1:00	4.7	312	7.0	1006
11/19/24 2:00	4.7	307	6.8	1006
11/19/24 3:00	4.6	293	6.8	1006
11/19/24 4:00	4.3	273	5.3	1007
11/19/24 5:00	3.9	293	4.9	1007
11/19/24 6:00	5.2	302	6.3	1007
11/19/24 7:00	7.4	323	8.7	1007
11/19/24 8:00	7.6	318	9.8	1007
11/19/24 9:00	7.9	312	11.2	1007
11/19/24 10:00	7.3	311	11.9	1006
11/19/24 11:00	7.3	320	12.2	1006

PWM Wind Rose 11/5/24 11:00 - 11/19/24 11:00



CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (11/19/24 11:00 to 12/3/24 10:00)

Date & Time	Wind Speed	Wind Direction	Temperature	Barometric Pressure
	m/s	Deg.	°C	mb
11/19/24 11:00	7.3	320	12.2	1006
11/19/24 12:00	7.1	319	12.5	1005
11/19/24 13:00	6.7	323	12.0	1005
11/19/24 14:00	5.0	322	10.9	1005
11/19/24 15:00	3.8	329	9.2	1006
11/19/24 16:00	4.1	338	8.1	1006
11/19/24 17:00	4.3	331	7.3	1006
11/19/24 18:00	5.7	345	7.0	1006
11/19/24 19:00	4.5	325	7.0	1006
11/19/24 20:00	3.7	313	6.4	1006
11/19/24 21:00	3.1	284	5.3	1006
11/19/24 22:00	2.6	276	3.8	1006
11/19/24 23:00	0.8	104	3.2	1006
11/20/24 0:00	1.2	163	2.3	1006
11/20/24 1:00	2.0	262	1.7	1006
11/20/24 2:00	0.6	117	1.6	1006
11/20/24 3:00	1.7	260	1.4	1006
11/20/24 4:00	2.8	284	1.2	1007
11/20/24 5:00	1.3	110	1.5	1007
11/20/24 6:00	0.2	36	3.3	1007
11/20/24 7:00	2.1	344	6.5	1008
11/20/24 8:00	4.8	23	8.6	1008
11/20/24 9:00	4.6	40	9.1	1007
11/20/24 10:00	3.0	102	10.4	1007
11/20/24 11:00	1.6	150	11.4	1006
11/20/24 12:00	2.6	131	11.9	1006
11/20/24 13:00	3.6	60	11.2	1006
11/20/24 14:00	2.9	63	10.2	1007
11/20/24 15:00	4.0	51	9.6	1008
11/20/24 16:00	3.1	32	9.1	1008
11/20/24 17:00	2.7	31	9.0	1008
11/20/24 18:00	3.2	29	9.0	1008
11/20/24 19:00	4.5	35	9.0	1008
11/20/24 20:00	3.2	27	8.7	1007
11/20/24 21:00	2.8	27	8.9	1007
11/20/24 22:00	2.0	150	8.1	1007
11/20/24 23:00	2.2	30	8.0	1007
11/21/24 0:00	3.8	45	8.0	1006
11/21/24 1:00	4.0	31	7.4	1006
11/21/24 2:00	4.1	41	7.0	1006
11/21/24 3:00	5.0	36	7.0	1005
11/21/24 4:00	4.9	24	6.1	1005

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (11/19/24 11:00 to 12/3/24 10:00)

11/21/24 5:00	3.5	23	5.7	1005
11/21/24 6:00	3.5	61	5.2	1005
11/21/24 7:00	4.5	71	6.0	1004
11/21/24 8:00	5.5	45	6.0	1003
11/21/24 9:00	4.4	59	6.7	1003
11/21/24 10:00	4.3	49	7.0	1002
11/21/24 11:00	4.8	51	7.0	1001
11/21/24 12:00	5.1	54	7.0	1000
11/21/24 13:00	4.6	48	7.0	1000
11/21/24 14:00	5.5	46	7.2	1000
11/21/24 15:00	5.0	34	7.2	999
11/21/24 16:00	4.4	32	7.0	999
11/21/24 17:00	5.4	47	7.4	1000
11/21/24 18:00	6.2	46	7.0	1000
11/21/24 19:00	6.7	42	7.0	999
11/21/24 20:00	6.8	45	7.0	998
11/21/24 21:00	7.3	47	6.7	997
11/21/24 22:00	7.7	54	6.1	997
11/21/24 23:00	7.3	57	6.0	996
11/22/24 0:00	7.9	52	6.0	996
11/22/24 1:00	8.4	54	6.0	995
11/22/24 2:00	7.7	50	6.0	995
11/22/24 3:00	8.1	65	7.0	994
11/22/24 4:00	10.4	79	8.0	994
11/22/24 5:00	5.7	101	7.5	994
11/22/24 6:00	3.9	120	7.8	995
11/22/24 7:00	4.4	146	9.3	996
11/22/24 8:00	4.8	145	9.7	997
11/22/24 9:00	5.5	144	10.5	997
11/22/24 10:00	5.6	136	11.0	997
11/22/24 11:00	4.3	93	10.4	997
11/22/24 12:00	5.7	92	9.7	997
11/22/24 13:00	5.3	105	9.1	997
11/22/24 14:00	4.1	114	9.0	998
11/22/24 15:00	3.2	109	8.7	998
11/22/24 16:00	3.5	110	8.5	998
11/22/24 17:00	3.1	77	8.8	998
11/22/24 18:00	4.6	53	8.4	997
11/22/24 19:00	3.9	36	8.0	997
11/22/24 20:00	3.7	36	8.0	996
11/22/24 21:00	4.0	36	7.2	995
11/22/24 22:00	4.4	39	7.0	995
11/22/24 23:00	4.5	24	7.5	994
11/23/24 0:00	5.8	25	7.4	993

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (11/19/24 11:00 to 12/3/24 10:00)

11/23/24 1:00	6.1	20	6.8	992
11/23/24 2:00	7.0	81	6.0	991
11/23/24 3:00	6.9	254	5.3	991
11/23/24 4:00	6.8	354	4.0	990
11/23/24 5:00	6.8	344	4.0	990
11/23/24 6:00	6.5	338	4.0	989
11/23/24 7:00	7.2	339	4.2	988
11/23/24 8:00	7.2	338	5.1	988
11/23/24 9:00	6.7	338	6.0	987
11/23/24 10:00	7.5	336	6.6	986
11/23/24 11:00	8.1	324	7.0	986
11/23/24 12:00	8.4	324	7.9	986
11/23/24 13:00	8.3	315	7.6	986
11/23/24 14:00	8.1	320	7.0	987
11/23/24 15:00	8.4	321	7.1	988
11/23/24 16:00	9.3	317	7.0	989
11/23/24 17:00	9.2	319	6.6	990
11/23/24 18:00	9.2	320	6.0	991
11/23/24 19:00	4.7	299	5.3	991
11/23/24 20:00	3.4	278	4.0	991
11/23/24 21:00	2.6	288	3.5	991
11/23/24 22:00	4.9	294	4.9	991
11/23/24 23:00	6.5	290	6.9	991
11/24/24 0:00	4.1	276	6.0	992
11/24/24 1:00	4.0	265	6.0	992
11/24/24 2:00	2.9	259	6.0	993
11/24/24 3:00	2.6	249	5.9	994
11/24/24 4:00	6.0	270	6.6	995
11/24/24 5:00	5.0	267	6.4	996
11/24/24 6:00	5.4	266	5.9	996
11/24/24 7:00	6.6	268	6.4	997
11/24/24 8:00	8.4	276	6.9	998
11/24/24 9:00	9.9	278	7.1	999
11/24/24 10:00	9.5	282	7.1	999
11/24/24 11:00	10.3	282	7.3	999
11/24/24 12:00	9.9	275	6.0	999
11/24/24 13:00	7.9	273	6.4	1000
11/24/24 14:00	8.6	272	6.0	1000
11/24/24 15:00	8.6	275	5.6	1001
11/24/24 16:00	7.9	272	5.0	1001
11/24/24 17:00	6.8	274	4.1	1002
11/24/24 18:00	5.8	280	3.8	1002
11/24/24 19:00	3.9	274	3.0	1003
11/24/24 20:00	3.3	254	2.6	1004

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (11/19/24 11:00 to 12/3/24 10:00)

11/24/24 21:00	4.5	287	2.6	1004
11/24/24 22:00	2.4	273	1.6	1005
11/24/24 23:00	2.8	228	1.2	1005
11/25/24 0:00	2.0	227	0.9	1006
11/25/24 1:00	3.9	277	0.7	1006
11/25/24 2:00	3.3	275	-0.6	1006
11/25/24 3:00	3.2	245	0.7	1006
11/25/24 4:00	3.1	242	0.1	1007
11/25/24 5:00	2.6	240	-0.3	1007
11/25/24 6:00	3.3	257	0.7	1009
11/25/24 7:00	2.6	261	2.7	1009
11/25/24 8:00	5.2	284	4.2	1009
11/25/24 9:00	5.5	308	6.0	1010
11/25/24 10:00	5.1	323	7.0	1009
11/25/24 11:00	5.0	327	8.0	1009
11/25/24 12:00	4.4	319	8.0	1009
11/25/24 13:00	5.1	279	7.7	1009
11/25/24 14:00	4.1	339	6.6	1010
11/25/24 15:00	3.5	341	4.9	1011
11/25/24 16:00	2.2	319	3.8	1012
11/25/24 17:00	2.6	249	2.9	1012
11/25/24 18:00	1.6	125	2.7	1013
11/25/24 19:00	1.6	317	1.8	1013
11/25/24 20:00	0.5	102	0.0	1014
11/25/24 21:00	1.4	224	-1.0	1014
11/25/24 22:00	0.6	114	-1.2	1014
11/25/24 23:00	0.3	58	-1.6	1014
11/26/24 0:00	0.5	80	-2.0	1014
11/26/24 1:00	1.1	170	-2.8	1014
11/26/24 2:00	ND	ND	-3.1	1013
11/26/24 3:00	1.2	196	-3.7	1013
11/26/24 4:00	1.0	173	-3.3	1013
11/26/24 5:00	1.2	235	-3.5	1013
11/26/24 6:00	1.3	210	-2.1	1012
11/26/24 7:00	2.4	170	1.5	1012
11/26/24 8:00	2.5	38	2.4	1011
11/26/24 9:00	2.0	91	2.9	1010
11/26/24 10:00	2.2	230	2.2	1010
11/26/24 11:00	2.2	72	2.6	1008
11/26/24 12:00	1.8	58	3.5	1007
11/26/24 13:00	0.6	72	4.5	1006
11/26/24 14:00	3.4	281	4.0	1006
11/26/24 15:00	3.7	307	3.0	1007
11/26/24 16:00	2.0	329	3.0	1007

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (11/19/24 11:00 to 12/3/24 10:00)

11/26/24 17:00	2.2	308	2.0	1007
11/26/24 18:00	1.8	298	1.3	1007
11/26/24 19:00	1.9	262	0.7	1007
11/26/24 20:00	1.9	241	0.5	1008
11/26/24 21:00	2.3	277	0.6	1008
11/26/24 22:00	1.6	184	0.9	1008
11/26/24 23:00	1.9	276	-0.3	1008
11/27/24 0:00	2.0	254	-0.9	1008
11/27/24 1:00	2.2	274	-1.1	1008
11/27/24 2:00	1.1	165	-1.0	1009
11/27/24 3:00	0.2	28	-1.3	1009
11/27/24 4:00	0.2	26	-1.0	1009
11/27/24 5:00	2.5	244	0.6	1009
11/27/24 6:00	3.5	232	1.4	1009
11/27/24 7:00	3.8	227	2.7	1009
11/27/24 8:00	4.4	238	4.0	1010
11/27/24 9:00	3.8	238	5.1	1010
11/27/24 10:00	5.1	244	6.6	1009
11/27/24 11:00	6.1	273	7.0	1010
11/27/24 12:00	4.7	263	7.0	1010
11/27/24 13:00	4.3	271	7.0	1010
11/27/24 14:00	3.5	249	6.2	1010
11/27/24 15:00	1.8	195	4.5	1011
11/27/24 16:00	1.7	192	3.0	1012
11/27/24 17:00	1.9	198	2.5	1012
11/27/24 18:00	0.8	121	0.7	1012
11/27/24 19:00	1.1	163	0.7	1012
11/27/24 20:00	1.1	111	0.5	1012
11/27/24 21:00	0.2	35	-1.2	1012
11/27/24 22:00	1.7	234	0.1	1012
11/27/24 23:00	0.5	73	0.0	1012
11/28/24 0:00	0.2	26	0.6	1012
11/28/24 1:00	ND	ND	0.1	1012
11/28/24 2:00	0.3	50	0.8	1012
11/28/24 3:00	ND	ND	0.8	1012
11/28/24 4:00	0.5	34	0.7	1011
11/28/24 5:00	ND	ND	1.0	1011
11/28/24 6:00	0.9	144	1.0	1010
11/28/24 7:00	0.5	56	1.9	1010
11/28/24 8:00	1.3	19	2.7	1010
11/28/24 9:00	1.7	18	3.0	1008
11/28/24 10:00	2.7	37	3.0	1006
11/28/24 11:00	3.2	301	3.6	1004
11/28/24 12:00	4.4	95	6.0	1003

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (11/19/24 11:00 to 12/3/24 10:00)

11/28/24 13:00	6.3	95	6.0	1001
11/28/24 14:00	8.7	81	6.0	1000
11/28/24 15:00	8.7	66	5.1	998
11/28/24 16:00	7.9	32	3.4	996
11/28/24 17:00	7.3	321	1.0	995
11/28/24 18:00	9.1	351	1.1	994
11/28/24 19:00	9.4	344	1.8	994
11/28/24 20:00	7.6	351	1.9	994
11/28/24 21:00	6.5	323	2.0	995
11/28/24 22:00	6.4	316	2.2	996
11/28/24 23:00	5.0	309	2.9	997
11/29/24 0:00	4.7	291	2.6	998
11/29/24 1:00	5.2	286	3.0	999
11/29/24 2:00	5.4	285	3.0	1000
11/29/24 3:00	4.3	274	2.3	1001
11/29/24 4:00	4.5	288	1.0	1001
11/29/24 5:00	3.8	273	1.0	1002
11/29/24 6:00	2.6	230	1.0	1004
11/29/24 7:00	2.8	251	2.5	1005
11/29/24 8:00	1.6	231	3.8	1005
11/29/24 9:00	3.1	250	5.0	1005
11/29/24 10:00	4.3	264	6.1	1005
11/29/24 11:00	5.7	268	6.7	1005
11/29/24 12:00	5.8	264	6.3	1005
11/29/24 13:00	4.5	255	5.8	1005
11/29/24 14:00	4.4	260	4.4	1006
11/29/24 15:00	4.3	260	3.9	1006
11/29/24 16:00	2.4	238	2.9	1006
11/29/24 17:00	1.1	131	1.9	1006
11/29/24 18:00	0.5	73	1.0	1006
11/29/24 19:00	2.2	228	1.0	1006
11/29/24 20:00	2.7	241	1.2	1006
11/29/24 21:00	3.1	251	2.0	1007
11/29/24 22:00	2.2	248	1.1	1007
11/29/24 23:00	2.3	249	1.4	1006
11/30/24 0:00	2.6	252	1.5	1006
11/30/24 1:00	2.4	244	1.0	1006
11/30/24 2:00	3.4	257	0.6	1006
11/30/24 3:00	3.8	259	0.0	1006
11/30/24 4:00	3.6	266	-1.1	1006
11/30/24 5:00	4.2	268	-1.3	1006
11/30/24 6:00	3.1	265	-1.2	1007
11/30/24 7:00	3.9	261	0.5	1007
11/30/24 8:00	4.4	251	1.9	1008

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (11/19/24 11:00 to 12/3/24 10:00)

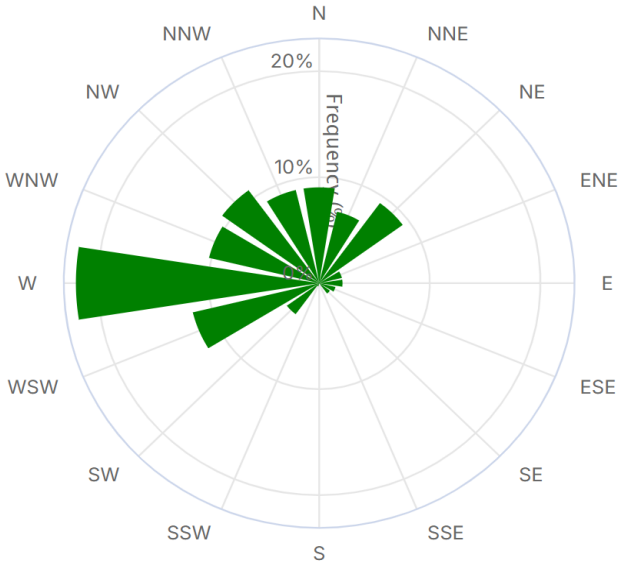
11/30/24 9:00	3.8	268	3.3	1008
11/30/24 10:00	4.3	275	4.0	1007
11/30/24 11:00	4.0	275	4.1	1007
11/30/24 12:00	4.7	270	4.1	1006
11/30/24 13:00	4.6	257	3.5	1007
11/30/24 14:00	3.1	257	3.0	1007
11/30/24 15:00	3.4	259	2.0	1008
11/30/24 16:00	2.2	222	1.1	1008
11/30/24 17:00	2.9	226	1.0	1009
11/30/24 18:00	4.1	236	1.0	1009
11/30/24 19:00	3.6	243	0.6	1009
11/30/24 20:00	3.5	244	0.0	1009
11/30/24 21:00	3.1	250	-0.8	1009
11/30/24 22:00	2.8	250	-1.1	1009
11/30/24 23:00	2.4	260	-2.0	1009
12/1/24 0:00	2.5	269	-2.5	1010
12/1/24 1:00	2.9	273	-2.3	1010
12/1/24 2:00	3.2	266	-2.1	1010
12/1/24 3:00	3.3	258	-1.6	1010
12/1/24 4:00	2.4	269	-1.9	1011
12/1/24 5:00	2.4	255	-1.9	1011
12/1/24 6:00	2.6	262	-2.0	1011
12/1/24 7:00	3.4	256	-0.4	1011
12/1/24 8:00	4.3	270	0.7	1011
12/1/24 9:00	3.8	248	1.0	1011
12/1/24 10:00	4.0	259	1.7	1010
12/1/24 11:00	4.0	256	2.6	1010
12/1/24 12:00	4.3	262	2.6	1010
12/1/24 13:00	5.3	272	2.4	1010
12/1/24 14:00	4.4	260	1.6	1010
12/1/24 15:00	3.5	258	0.7	1011
12/1/24 16:00	3.6	256	-0.6	1011
12/1/24 17:00	2.4	250	-1.0	1012
12/1/24 18:00	1.4	144	-2.1	1012
12/1/24 19:00	0.9	121	-3.2	1012
12/1/24 20:00	3.2	274	-3.0	1013
12/1/24 21:00	3.2	275	-3.4	1013
12/1/24 22:00	3.1	256	-3.0	1013
12/1/24 23:00	1.4	208	-4.0	1013
12/2/24 0:00	1.3	187	-5.1	1013
12/2/24 1:00	1.4	195	-5.1	1013
12/2/24 2:00	2.6	241	-4.5	1013
12/2/24 3:00	1.7	260	-5.4	1013
12/2/24 4:00	2.1	247	-5.5	1014

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (11/19/24 11:00 to 12/3/24 10:00)

12/2/24 5:00	1.7	259	-6.3	1014
12/2/24 6:00	2.7	291	-5.5	1014
12/2/24 7:00	1.1	167	-2.7	1015
12/2/24 8:00	2.1	303	-1.0	1015
12/2/24 9:00	2.5	274	1.0	1015
12/2/24 10:00	2.4	293	2.1	1015
12/2/24 11:00	2.1	276	2.2	1014
12/2/24 12:00	3.5	331	2.1	1014
12/2/24 13:00	2.8	307	1.1	1015
12/2/24 14:00	2.7	313	1.0	1015
12/2/24 15:00	2.9	343	1.0	1015
12/2/24 16:00	3.3	339	-0.1	1016
12/2/24 17:00	2.8	325	-1.2	1016
12/2/24 18:00	1.9	271	-2.0	1016
12/2/24 19:00	2.5	290	-3.6	1016
12/2/24 20:00	2.6	284	-4.2	1016
12/2/24 21:00	2.3	288	-4.5	1017
12/2/24 22:00	1.7	212	-5.6	1017
12/2/24 23:00	1.3	193	-5.1	1016
12/3/24 0:00	0.4	44	-6.3	1017
12/3/24 1:00	1.7	209	-7.4	1017
12/3/24 2:00	2.3	251	-7.1	1017
12/3/24 3:00	0.3	52	-7.2	1017
12/3/24 4:00	0.2	27	-7.4	1017
12/3/24 5:00	0.8	78	-7.1	1018
12/3/24 6:00	2.9	265	-5.4	1018
12/3/24 7:00	2.6	265	-3.5	1018
12/3/24 8:00	2.5	262	-2.3	1018
12/3/24 9:00	2.8	267	-0.6	1018
12/3/24 10:00	3.6	281	1.7	1018

PWM Wind Rose 11/19/24 11:00 - 12/3/24 10:00



CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (12/3/24 10:00 to 12/17/24 10:00)

Date & Time	Wind Speed	Wind Direction	Temperature	Barometric Pressure
	m/s	Deg.	°C	mb
12/3/24 10:00	3.6	281	1.7	1018
12/3/24 11:00	5.2	299	1.9	1017
12/3/24 12:00	4.8	311	1.1	1017
12/3/24 13:00	4.3	312	1.0	1017
12/3/24 14:00	3.3	287	0.5	1018
12/3/24 15:00	2.7	272	0.0	1018
12/3/24 16:00	2.4	280	-0.4	1018
12/3/24 17:00	2.8	268	-1.1	1019
12/3/24 18:00	2.9	291	-1.5	1019
12/3/24 19:00	2.3	303	-1.5	1019
12/3/24 20:00	1.9	251	-1.9	1019
12/3/24 21:00	1.7	297	-2.0	1019
12/3/24 22:00	2.2	281	-2.0	1019
12/3/24 23:00	1.1	151	-2.6	1019
12/4/24 0:00	0.5	84	-2.5	1019
12/4/24 1:00	1.9	277	-3.1	1019
12/4/24 2:00	1.7	284	-3.2	1019
12/4/24 3:00	1.6	262	-3.4	1019
12/4/24 4:00	ND	ND	-4.4	1019
12/4/24 5:00	0.6	77	-5.6	1019
12/4/24 6:00	0.5	87	-5.9	1020
12/4/24 7:00	1.0	177	-2.7	1020
12/4/24 8:00	0.5	83	-0.7	1020
12/4/24 9:00	0.8	118	0.8	1019
12/4/24 10:00	1.1	109	1.1	1018
12/4/24 11:00	2.8	173	1.8	1017
12/4/24 12:00	4.4	161	1.9	1017
12/4/24 13:00	4.3	166	1.3	1016
12/4/24 14:00	3.3	179	1.0	1015
12/4/24 15:00	2.9	179	0.9	1015
12/4/24 16:00	3.4	190	1.6	1014
12/4/24 17:00	4.3	185	2.0	1013
12/4/24 18:00	3.6	185	2.9	1012
12/4/24 19:00	4.6	177	3.0	1010
12/4/24 20:00	6.1	167	2.7	1009
12/4/24 21:00	6.4	180	3.0	1007
12/4/24 22:00	5.9	181	3.5	1006
12/4/24 23:00	5.4	177	4.0	1004
12/5/24 0:00	5.7	183	4.0	1001
12/5/24 1:00	4.5	213	4.1	1000
12/5/24 2:00	4.9	213	3.4	998

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (12/3/24 10:00 to 12/17/24 10:00)

12/5/24 3:00	4.5	235	2.0	998
12/5/24 4:00	3.5	231	1.0	997
12/5/24 5:00	2.6	208	0.9	996
12/5/24 6:00	2.7	213	1.0	996
12/5/24 7:00	2.5	230	1.0	995
12/5/24 8:00	3.9	250	1.4	994
12/5/24 9:00	3.3	267	2.5	993
12/5/24 10:00	2.9	253	2.1	992
12/5/24 11:00	2.4	259	2.0	991
12/5/24 12:00	2.7	234	1.3	991
12/5/24 13:00	2.6	244	1.0	991
12/5/24 14:00	3.2	280	1.0	991
12/5/24 15:00	0.6	84	0.9	992
12/5/24 16:00	0.5	68	0.2	992
12/5/24 17:00	3.5	232	0.7	993
12/5/24 18:00	3.6	232	0.2	993
12/5/24 19:00	5.1	259	1.0	994
12/5/24 20:00	7.1	270	1.0	994
12/5/24 21:00	6.4	266	1.0	995
12/5/24 22:00	6.8	266	0.1	996
12/5/24 23:00	5.7	269	0.0	996
12/6/24 0:00	5.5	267	-0.1	997
12/6/24 1:00	4.4	265	-1.0	999
12/6/24 2:00	4.1	265	-1.0	1000
12/6/24 3:00	3.9	263	-1.5	1001
12/6/24 4:00	6.1	270	-2.0	1002
12/6/24 5:00	5.6	292	-2.7	1004
12/6/24 6:00	7.0	291	-3.2	1005
12/6/24 7:00	8.8	291	-3.4	1007
12/6/24 8:00	9.9	301	-3.2	1008
12/6/24 9:00	10.3	294	-3.0	1008
12/6/24 10:00	8.4	296	-2.5	1008
12/6/24 11:00	7.4	291	-2.0	1008
12/6/24 12:00	6.5	306	-1.7	1008
12/6/24 13:00	5.8	293	-1.9	1009
12/6/24 14:00	7.1	306	-2.5	1010
12/6/24 15:00	4.5	298	-3.8	1011
12/6/24 16:00	4.6	278	-4.6	1011
12/6/24 17:00	4.5	267	-4.0	1012
12/6/24 18:00	5.2	262	-4.0	1012
12/6/24 19:00	4.4	275	-5.3	1012
12/6/24 20:00	3.8	286	-6.0	1012
12/6/24 21:00	4.2	280	-7.0	1012
12/6/24 22:00	3.1	274	-7.5	1013

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (12/3/24 10:00 to 12/17/24 10:00)

12/6/24 23:00	1.5	189	-7.6	1013
12/7/24 0:00	1.2	146	-8.0	1013
12/7/24 1:00	ND	ND	-9.0	1013
12/7/24 2:00	1.1	180	-8.3	1013
12/7/24 3:00	0.6	75	-8.0	1013
12/7/24 4:00	2.4	270	-7.3	1013
12/7/24 5:00	1.1	115	-7.0	1014
12/7/24 6:00	0.5	40	-6.9	1014
12/7/24 7:00	0.5	73	-5.9	1014
12/7/24 8:00	0.5	72	-4.4	1015
12/7/24 9:00	1.4	170	-2.7	1015
12/7/24 10:00	2.4	270	-1.3	1014
12/7/24 11:00	1.2	171	-0.9	1013
12/7/24 12:00	1.6	311	0.5	1013
12/7/24 13:00	5.1	288	0.1	1013
12/7/24 14:00	2.5	309	-1.1	1014
12/7/24 15:00	0.5	100	-2.2	1014
12/7/24 16:00	0.2	2	-3.1	1014
12/7/24 17:00	0.2	15	-3.7	1014
12/7/24 18:00	0.2	36	-4.3	1014
12/7/24 19:00	0.3	68	-4.0	1013
12/7/24 20:00	ND	ND	-4.4	1013
12/7/24 21:00	ND	ND	-4.0	1012
12/7/24 22:00	0.7	98	-3.2	1011
12/7/24 23:00	2.0	172	-1.2	1010
12/8/24 0:00	1.9	141	-1.2	1009
12/8/24 1:00	3.1	212	-1.0	1008
12/8/24 2:00	4.3	206	-1.0	1006
12/8/24 3:00	5.2	203	-0.9	1005
12/8/24 4:00	4.9	203	0.0	1003
12/8/24 5:00	4.2	210	-0.5	1002
12/8/24 6:00	4.0	197	-0.9	1001
12/8/24 7:00	4.2	217	-0.9	1001
12/8/24 8:00	3.1	229	0.0	1001
12/8/24 9:00	4.0	234	0.7	1000
12/8/24 10:00	3.7	245	1.7	999
12/8/24 11:00	3.4	240	2.9	999
12/8/24 12:00	3.8	217	3.0	999
12/8/24 13:00	3.7	212	3.0	1000
12/8/24 14:00	3.8	213	3.3	1001
12/8/24 15:00	4.3	225	4.0	1002
12/8/24 16:00	3.6	226	4.0	1003
12/8/24 17:00	2.7	239	4.0	1004
12/8/24 18:00	2.4	222	4.0	1006

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (12/3/24 10:00 to 12/17/24 10:00)

12/8/24 19:00	2.5	236	3.9	1007
12/8/24 20:00	1.4	178	2.7	1008
12/8/24 21:00	1.0	129	1.3	1010
12/8/24 22:00	1.3	169	-1.0	1011
12/8/24 23:00	2.5	311	-1.2	1012
12/9/24 0:00	3.3	270	-0.8	1012
12/9/24 1:00	1.6	173	-1.5	1012
12/9/24 2:00	1.4	197	-1.9	1014
12/9/24 3:00	0.2	18	-2.2	1014
12/9/24 4:00	1.0	79	-2.0	1014
12/9/24 5:00	0.6	139	-1.6	1016
12/9/24 6:00	0.9	135	-1.4	1017
12/9/24 7:00	2.0	39	0.4	1018
12/9/24 8:00	3.1	64	1.2	1018
12/9/24 9:00	3.7	74	2.0	1018
12/9/24 10:00	4.1	60	1.4	1018
12/9/24 11:00	4.0	58	1.6	1018
12/9/24 12:00	4.1	56	1.4	1018
12/9/24 13:00	4.4	50	1.6	1018
12/9/24 14:00	4.8	45	1.0	1018
12/9/24 15:00	5.8	58	1.0	1019
12/9/24 16:00	6.5	56	0.4	1018
12/9/24 17:00	5.8	39	-1.0	1018
12/9/24 18:00	5.6	34	-1.8	1019
12/9/24 19:00	6.4	28	-2.0	1019
12/9/24 20:00	6.0	27	-2.8	1019
12/9/24 21:00	5.3	26	-3.0	1019
12/9/24 22:00	5.6	29	-3.0	1019
12/9/24 23:00	5.0	19	-3.0	1019
12/10/24 0:00	5.4	22	-3.1	1019
12/10/24 1:00	4.6	93	-3.6	1019
12/10/24 2:00	4.4	186	-3.6	1019
12/10/24 3:00	4.8	359	-4.0	1019
12/10/24 4:00	4.8	253	-4.0	1020
12/10/24 5:00	4.4	353	-4.0	1020
12/10/24 6:00	5.0	356	-4.0	1020
12/10/24 7:00	5.3	320	-4.0	1021
12/10/24 8:00	4.5	351	-4.0	1021
12/10/24 9:00	4.4	351	-4.0	1021
12/10/24 10:00	4.8	350	-3.4	1020
12/10/24 11:00	4.2	336	-3.0	1020
12/10/24 12:00	4.4	344	-3.0	1020
12/10/24 13:00	3.9	353	-2.9	1020
12/10/24 14:00	3.3	252	-2.4	1020

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (12/3/24 10:00 to 12/17/24 10:00)

12/10/24 15:00	2.9	115	-2.0	1020
12/10/24 16:00	3.1	320	-2.0	1020
12/10/24 17:00	2.6	217	-2.0	1020
12/10/24 18:00	2.4	85	-2.0	1019
12/10/24 19:00	2.5	210	-2.0	1019
12/10/24 20:00	2.6	286	-2.0	1019
12/10/24 21:00	2.7	47	-2.0	1018
12/10/24 22:00	2.5	46	-1.9	1017
12/10/24 23:00	1.9	24	-1.9	1016
12/11/24 0:00	2.3	29	-1.0	1015
12/11/24 1:00	2.6	152	-1.0	1015
12/11/24 2:00	2.1	279	-0.8	1014
12/11/24 3:00	1.5	216	0.0	1013
12/11/24 4:00	2.0	252	0.0	1012
12/11/24 5:00	2.3	340	0.0	1012
12/11/24 6:00	2.8	348	0.0	1011
12/11/24 7:00	2.0	346	0.0	1011
12/11/24 8:00	1.3	175	0.8	1010
12/11/24 9:00	2.2	212	0.9	1008
12/11/24 10:00	2.2	154	1.0	1006
12/11/24 11:00	1.6	199	1.5	1004
12/11/24 12:00	1.3	201	1.9	1002
12/11/24 13:00	2.4	191	4.0	1001
12/11/24 14:00	6.4	175	10.8	999
12/11/24 15:00	7.9	175	11.8	998
12/11/24 16:00	7.7	180	12.0	997
12/11/24 17:00	9.3	175	12.8	996
12/11/24 18:00	8.7	176	12.7	995
12/11/24 19:00	9.5	179	13.0	993
12/11/24 20:00	9.0	185	12.7	993
12/11/24 21:00	6.7	182	12.2	992
12/11/24 22:00	6.5	187	12.0	992
12/11/24 23:00	5.9	182	11.8	990
12/12/24 0:00	6.8	198	11.3	991
12/12/24 1:00	9.2	264	7.7	993
12/12/24 2:00	6.6	262	5.2	995
12/12/24 3:00	6.6	256	4.0	997
12/12/24 4:00	5.6	253	3.8	1000
12/12/24 5:00	6.2	257	3.3	1002
12/12/24 6:00	6.2	256	3.0	1004
12/12/24 7:00	4.9	237	3.5	1007
12/12/24 8:00	7.0	250	4.0	1008
12/12/24 9:00	7.2	257	4.0	1009
12/12/24 10:00	7.0	246	4.2	1009

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (12/3/24 10:00 to 12/17/24 10:00)

12/12/24 11:00	7.2	240	5.0	1010
12/12/24 12:00	7.5	243	4.2	1010
12/12/24 13:00	6.6	243	4.0	1011
12/12/24 14:00	6.5	255	3.2	1012
12/12/24 15:00	6.6	270	1.8	1014
12/12/24 16:00	6.0	265	1.0	1016
12/12/24 17:00	6.2	262	0.3	1018
12/12/24 18:00	3.8	253	-1.0	1019
12/12/24 19:00	6.0	259	-1.0	1020
12/12/24 20:00	5.7	260	-2.0	1021
12/12/24 21:00	4.9	254	-2.5	1023
12/12/24 22:00	5.3	257	-3.0	1023
12/12/24 23:00	4.5	258	-3.0	1024
12/13/24 0:00	3.8	252	-3.6	1024
12/13/24 1:00	3.9	234	-4.0	1025
12/13/24 2:00	3.5	245	-4.7	1025
12/13/24 3:00	3.2	262	-5.0	1026
12/13/24 4:00	4.1	258	-5.1	1027
12/13/24 5:00	4.3	273	-5.6	1028
12/13/24 6:00	4.4	273	-5.7	1029
12/13/24 7:00	5.0	270	-4.0	1030
12/13/24 8:00	5.2	281	-2.6	1030
12/13/24 9:00	5.3	285	-1.8	1031
12/13/24 10:00	6.1	275	-1.0	1031
12/13/24 11:00	4.5	277	-0.9	1030
12/13/24 12:00	5.6	286	-0.9	1031
12/13/24 13:00	5.9	274	-0.8	1032
12/13/24 14:00	5.6	275	-1.5	1033
12/13/24 15:00	4.3	276	-2.7	1034
12/13/24 16:00	4.0	273	-3.1	1035
12/13/24 17:00	3.9	274	-3.6	1036
12/13/24 18:00	3.0	297	-4.6	1036
12/13/24 19:00	3.4	285	-5.6	1037
12/13/24 20:00	3.0	292	-5.7	1037
12/13/24 21:00	2.6	287	-5.9	1038
12/13/24 22:00	1.2	159	-6.0	1039
12/13/24 23:00	1.2	146	-6.5	1039
12/14/24 0:00	0.6	66	-7.2	1040
12/14/24 1:00	1.2	160	-8.0	1040
12/14/24 2:00	0.8	109	-8.7	1041
12/14/24 3:00	0.5	82	-9.1	1041
12/14/24 4:00	1.2	203	-9.2	1042
12/14/24 5:00	0.7	112	-9.2	1042
12/14/24 6:00	2.6	277	-9.2	1043

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (12/3/24 10:00 to 12/17/24 10:00)

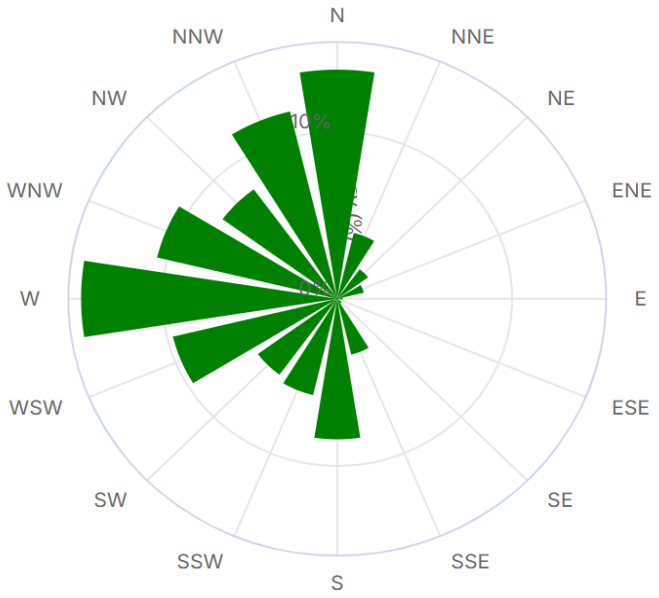
12/14/24 7:00	1.6	250	-6.2	1043
12/14/24 8:00	2.7	307	-3.5	1044
12/14/24 9:00	3.8	304	-2.3	1043
12/14/24 10:00	4.6	302	-1.1	1043
12/14/24 11:00	4.1	313	-0.1	1042
12/14/24 12:00	4.6	307	0.5	1042
12/14/24 13:00	4.4	302	0.2	1042
12/14/24 14:00	3.2	305	-1.0	1043
12/14/24 15:00	2.2	321	-2.4	1043
12/14/24 16:00	1.7	351	-2.5	1043
12/14/24 17:00	0.8	163	-3.3	1043
12/14/24 18:00	1.2	226	-4.5	1044
12/14/24 19:00	0.8	131	-5.7	1043
12/14/24 20:00	1.7	310	-4.7	1044
12/14/24 21:00	0.8	136	-5.7	1044
12/14/24 22:00	ND	ND	-7.1	1044
12/14/24 23:00	0.2	34	-8.0	1043
12/15/24 0:00	1.7	183	-8.6	1043
12/15/24 1:00	2.1	85	-8.1	1043
12/15/24 2:00	2.3	216	-8.9	1043
12/15/24 3:00	2.3	339	-9.2	1043
12/15/24 4:00	2.6	344	-10.4	1043
12/15/24 5:00	2.1	294	-10.8	1044
12/15/24 6:00	1.4	211	-10.9	1044
12/15/24 7:00	1.6	257	-8.2	1044
12/15/24 8:00	1.8	340	-6.4	1043
12/15/24 9:00	0.7	32	-4.3	1043
12/15/24 10:00	0.7	118	-2.4	1042
12/15/24 11:00	1.6	236	-1.4	1041
12/15/24 12:00	0.9	118	-1.0	1040
12/15/24 13:00	1.7	173	-1.0	1039
12/15/24 14:00	1.9	178	-1.5	1039
12/15/24 15:00	0.5	52	-3.0	1039
12/15/24 16:00	ND	ND	-3.9	1038
12/15/24 17:00	ND	ND	-4.2	1038
12/15/24 18:00	0.2	28	-4.8	1038
12/15/24 19:00	ND	ND	-4.7	1037
12/15/24 20:00	ND	ND	-4.0	1037
12/15/24 21:00	ND	ND	-4.0	1036
12/15/24 22:00	ND	ND	-4.0	1036
12/15/24 23:00	0.8	134	-3.8	1035
12/16/24 0:00	1.1	165	-4.3	1035
12/16/24 1:00	0.7	108	-4.4	1034
12/16/24 2:00	ND	ND	-4.0	1033

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (12/3/24 10:00 to 12/17/24 10:00)

12/16/24 3:00	ND	ND	-4.0	1033
12/16/24 4:00	ND	ND	-4.0	1033
12/16/24 5:00	1.0	167	-3.7	1033
12/16/24 6:00	0.8	114	-3.7	1033
12/16/24 7:00	1.4	162	-1.7	1032
12/16/24 8:00	2.0	254	0.6	1032
12/16/24 9:00	2.2	257	2.1	1032
12/16/24 10:00	2.8	221	3.5	1031
12/16/24 11:00	3.1	209	4.0	1030
12/16/24 12:00	2.6	203	4.5	1029
12/16/24 13:00	3.2	188	4.3	1028
12/16/24 14:00	2.2	179	4.0	1028
12/16/24 15:00	0.5	48	3.6	1028
12/16/24 16:00	ND	ND	3.3	1028
12/16/24 17:00	0.6	44	3.4	1027
12/16/24 18:00	2.7	141	4.1	1027
12/16/24 19:00	3.8	157	5.0	1026
12/16/24 20:00	4.1	163	5.5	1025
12/16/24 21:00	4.0	159	6.0	1024
12/16/24 22:00	3.7	153	6.1	1022
12/16/24 23:00	5.0	152	7.0	1019
12/17/24 0:00	5.8	157	7.2	1018
12/17/24 1:00	6.5	164	8.0	1016
12/17/24 2:00	7.1	168	8.0	1014
12/17/24 3:00	6.5	180	8.8	1012
12/17/24 4:00	7.8	187	9.0	1011
12/17/24 5:00	6.2	198	9.6	1010
12/17/24 6:00	3.3	198	10.0	1010
12/17/24 7:00	2.7	204	10.3	1011
12/17/24 8:00	4.8	218	11.7	1011
12/17/24 9:00	5.0	225	12.2	1011
12/17/24 10:00	6.1	238	13.0	1011

PWM Wind Rose 12/3/24 10:00 - 12/17/24 10:00



CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (12/17/24 10:00 to 12/31/24 10:00)

Date & Time	Wind Speed	Wind Direction	Temperature	Barometric Pressure
	m/s	Deg.	°C	mb
12/17/24 10:00	6.1	238	13.0	1011
12/17/24 11:00	7.3	253	13.0	1010
12/17/24 12:00	5.7	253	13.0	1011
12/17/24 13:00	7.1	260	12.6	1011
12/17/24 14:00	6.2	262	11.9	1012
12/17/24 15:00	5.2	261	10.8	1012
12/17/24 16:00	3.0	240	9.0	1013
12/17/24 17:00	2.1	175	8.3	1014
12/17/24 18:00	4.7	264	8.1	1015
12/17/24 19:00	3.4	228	7.2	1016
12/17/24 20:00	3.4	236	6.9	1016
12/17/24 21:00	2.8	229	6.9	1016
12/17/24 22:00	2.6	217	6.0	1017
12/17/24 23:00	2.8	254	5.9	1017
12/18/24 0:00	2.7	219	4.2	1017
12/18/24 1:00	2.5	213	3.8	1018
12/18/24 2:00	1.3	156	3.3	1018
12/18/24 3:00	0.8	115	0.9	1018
12/18/24 4:00	0.5	80	-0.6	1019
12/18/24 5:00	ND	ND	-0.8	1020
12/18/24 6:00	0.5	84	-1.0	1020
12/18/24 7:00	0.6	75	2.6	1020
12/18/24 8:00	2.1	217	6.0	1020
12/18/24 9:00	2.8	258	7.0	1019
12/18/24 10:00	3.3	268	7.7	1018
12/18/24 11:00	3.2	267	8.2	1018
12/18/24 12:00	3.5	263	8.5	1017
12/18/24 13:00	2.6	224	8.0	1016
12/18/24 14:00	3.3	191	7.3	1016
12/18/24 15:00	2.8	184	6.0	1016
12/18/24 16:00	2.3	171	6.0	1015
12/18/24 17:00	1.0	95	6.0	1015
12/18/24 18:00	0.8	86	5.7	1015
12/18/24 19:00	1.8	202	5.4	1014
12/18/24 20:00	1.6	255	4.6	1013
12/18/24 21:00	1.2	182	4.0	1013
12/18/24 22:00	1.4	228	3.0	1012
12/18/24 23:00	1.3	253	3.0	1011
12/19/24 0:00	1.7	293	2.3	1011
12/19/24 1:00	1.5	279	2.1	1011
12/19/24 2:00	0.6	103	2.0	1011

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (12/17/24 10:00 to 12/31/24 10:00)

12/19/24 3:00	2.4	271	1.9	1011
12/19/24 4:00	2.8	271	1.0	1011
12/19/24 5:00	2.7	271	1.0	1012
12/19/24 6:00	2.5	269	1.0	1014
12/19/24 7:00	5.2	269	2.0	1015
12/19/24 8:00	6.8	297	3.6	1016
12/19/24 9:00	6.7	289	4.2	1017
12/19/24 10:00	6.7	295	5.3	1016
12/19/24 11:00	5.7	301	4.1	1017
12/19/24 12:00	4.7	320	4.3	1017
12/19/24 13:00	5.9	326	4.4	1018
12/19/24 14:00	5.5	306	2.8	1020
12/19/24 15:00	4.7	305	1.8	1021
12/19/24 16:00	4.0	308	0.8	1022
12/19/24 17:00	3.3	274	-0.8	1024
12/19/24 18:00	4.5	218	-1.5	1024
12/19/24 19:00	4.0	120	-2.5	1024
12/19/24 20:00	4.4	285	-3.1	1024
12/19/24 21:00	3.1	284	-3.9	1025
12/19/24 22:00	3.1	285	-4.1	1025
12/19/24 23:00	2.9	219	-4.0	1025
12/20/24 0:00	2.9	86	-4.0	1025
12/20/24 1:00	3.8	33	-4.0	1025
12/20/24 2:00	3.3	27	-4.0	1025
12/20/24 3:00	3.6	20	-4.1	1024
12/20/24 4:00	3.7	53	-4.0	1024
12/20/24 5:00	3.2	150	-4.0	1024
12/20/24 6:00	3.6	84	-4.3	1024
12/20/24 7:00	3.8	186	-4.0	1024
12/20/24 8:00	3.5	144	-4.0	1024
12/20/24 9:00	4.2	63	-3.4	1023
12/20/24 10:00	4.1	17	-3.0	1021
12/20/24 11:00	5.3	25	-3.0	1019
12/20/24 12:00	4.3	32	-3.0	1018
12/20/24 13:00	5.7	47	-3.0	1017
12/20/24 14:00	5.0	88	-3.0	1016
12/20/24 15:00	5.5	46	-3.0	1017
12/20/24 16:00	5.3	21	-3.7	1016
12/20/24 17:00	4.8	18	-3.9	1015
12/20/24 18:00	5.4	87	-4.1	1015
12/20/24 19:00	5.7	12	-4.0	1014
12/20/24 20:00	5.1	45	-5.0	1012
12/20/24 21:00	6.1	185	-5.5	1011
12/20/24 22:00	6.7	347	-6.0	1009

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (12/17/24 10:00 to 12/31/24 10:00)

12/20/24 23:00	4.9	255	-6.0	1009
12/21/24 0:00	5.2	289	-6.0	1009
12/21/24 1:00	4.9	352	-6.0	1009
12/21/24 2:00	5.1	341	-6.0	1008
12/21/24 3:00	5.6	350	-5.8	1008
12/21/24 4:00	4.6	333	-5.3	1008
12/21/24 5:00	4.2	330	-6.0	1008
12/21/24 6:00	4.5	332	-6.0	1008
12/21/24 7:00	5.6	325	-4.4	1009
12/21/24 8:00	6.8	325	-3.8	1009
12/21/24 9:00	7.2	329	-3.0	1008
12/21/24 10:00	7.4	317	-2.4	1008
12/21/24 11:00	7.1	327	-2.3	1007
12/21/24 12:00	7.4	315	-2.6	1008
12/21/24 13:00	7.2	323	-3.8	1008
12/21/24 14:00	7.6	325	-4.2	1010
12/21/24 15:00	7.4	334	-5.1	1010
12/21/24 16:00	7.1	336	-6.0	1011
12/21/24 17:00	7.7	334	-6.9	1013
12/21/24 18:00	7.6	337	-7.7	1013
12/21/24 19:00	6.1	331	-8.0	1014
12/21/24 20:00	6.1	319	-8.2	1014
12/21/24 21:00	6.1	323	-9.0	1015
12/21/24 22:00	5.8	319	-9.1	1015
12/21/24 23:00	4.1	298	-10.1	1015
12/22/24 0:00	3.7	295	-11.0	1016
12/22/24 1:00	3.7	314	-11.1	1017
12/22/24 2:00	4.0	324	-11.1	1018
12/22/24 3:00	4.0	331	-11.7	1018
12/22/24 4:00	4.0	339	-12.0	1019
12/22/24 5:00	4.4	335	-12.0	1021
12/22/24 6:00	4.8	344	-12.7	1022
12/22/24 7:00	6.0	333	-12.0	1024
12/22/24 8:00	6.4	329	-11.8	1025
12/22/24 9:00	6.2	321	-10.1	1025
12/22/24 10:00	7.3	323	-9.0	1025
12/22/24 11:00	7.2	329	-8.2	1025
12/22/24 12:00	6.1	325	-8.0	1025
12/22/24 13:00	7.2	326	-8.0	1025
12/22/24 14:00	6.2	327	-8.3	1026
12/22/24 15:00	5.1	325	-9.0	1027
12/22/24 16:00	5.0	323	-9.4	1029
12/22/24 17:00	5.7	334	-10.2	1030
12/22/24 18:00	6.1	333	-11.0	1030

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (12/17/24 10:00 to 12/31/24 10:00)

12/22/24 19:00	5.1	327	-11.0	1031
12/22/24 20:00	5.0	334	-11.6	1031
12/22/24 21:00	4.8	331	-12.0	1032
12/22/24 22:00	4.3	328	-12.0	1032
12/22/24 23:00	3.6	324	-12.0	1032
12/23/24 0:00	3.4	320	-12.0	1033
12/23/24 1:00	3.1	329	-12.3	1033
12/23/24 2:00	1.1	200	-13.0	1033
12/23/24 3:00	0.3	62	-13.1	1033
12/23/24 4:00	0.7	96	-13.8	1034
12/23/24 5:00	ND	ND	-14.1	1034
12/23/24 6:00	2.0	254	-13.8	1034
12/23/24 7:00	1.7	268	-12.0	1035
12/23/24 8:00	1.6	209	-10.7	1036
12/23/24 9:00	0.7	103	-8.6	1035
12/23/24 10:00	2.4	200	-6.8	1034
12/23/24 11:00	2.3	180	-6.0	1033
12/23/24 12:00	3.0	190	-6.0	1032
12/23/24 13:00	2.1	213	-5.3	1032
12/23/24 14:00	2.8	227	-6.0	1032
12/23/24 15:00	2.2	209	-6.0	1031
12/23/24 16:00	1.0	126	-6.1	1031
12/23/24 17:00	1.0	128	-6.1	1031
12/23/24 18:00	1.6	226	-6.3	1031
12/23/24 19:00	2.1	217	-5.9	1030
12/23/24 20:00	1.0	143	-6.0	1029
12/23/24 21:00	1.9	226	-4.9	1028
12/23/24 22:00	2.9	228	-4.0	1028
12/23/24 23:00	3.1	225	-4.0	1027
12/24/24 0:00	3.1	219	-4.2	1026
12/24/24 1:00	2.2	206	-4.5	1025
12/24/24 2:00	3.7	212	-3.1	1024
12/24/24 3:00	3.7	214	-3.0	1023
12/24/24 4:00	2.9	211	-3.0	1022
12/24/24 5:00	3.7	221	-2.0	1021
12/24/24 6:00	3.2	245	-2.1	1021
12/24/24 7:00	3.0	252	-3.0	1021
12/24/24 8:00	2.3	260	-3.0	1021
12/24/24 9:00	3.1	295	-3.0	1020
12/24/24 10:00	4.4	309	-3.0	1019
12/24/24 11:00	4.0	322	-2.2	1019
12/24/24 12:00	3.6	325	-1.0	1019
12/24/24 13:00	3.4	329	-0.9	1019
12/24/24 14:00	3.0	345	-1.5	1020

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (12/17/24 10:00 to 12/31/24 10:00)

12/24/24 15:00	1.8	273	-2.7	1020
12/24/24 16:00	0.8	73	-3.8	1021
12/24/24 17:00	3.3	149	-3.4	1022
12/24/24 18:00	3.1	352	-3.2	1022
12/24/24 19:00	4.2	343	-3.6	1023
12/24/24 20:00	4.7	147	-4.0	1023
12/24/24 21:00	4.1	155	-5.6	1023
12/24/24 22:00	3.5	187	-6.5	1023
12/24/24 23:00	3.0	254	-7.1	1023
12/25/24 0:00	1.7	145	-8.0	1024
12/25/24 1:00	1.3	208	-8.0	1024
12/25/24 2:00	0.9	110	-8.6	1025
12/25/24 3:00	2.0	244	-9.1	1025
12/25/24 4:00	3.4	309	-9.2	1025
12/25/24 5:00	4.1	309	-9.9	1025
12/25/24 6:00	4.0	315	-8.9	1026
12/25/24 7:00	4.4	335	-7.3	1026
12/25/24 8:00	4.1	306	-5.3	1026
12/25/24 9:00	5.3	319	-3.9	1026
12/25/24 10:00	4.7	316	-3.0	1025
12/25/24 11:00	5.2	322	-2.0	1025
12/25/24 12:00	5.2	149	-2.0	1025
12/25/24 13:00	4.6	185	-2.0	1025
12/25/24 14:00	4.4	185	-2.0	1025
12/25/24 15:00	3.3	220	-2.4	1026
12/25/24 16:00	3.1	289	-2.0	1027
12/25/24 17:00	3.3	15	-2.0	1027
12/25/24 18:00	2.9	20	-2.0	1027
12/25/24 19:00	2.4	53	-2.0	1027
12/25/24 20:00	2.0	90	-2.0	1027
12/25/24 21:00	1.6	34	-2.0	1027
12/25/24 22:00	2.2	22	-2.2	1027
12/25/24 23:00	1.9	15	-3.0	1027
12/26/24 0:00	ND	ND	ND	ND
12/26/24 1:00	1.5	360	-3.8	1028
12/26/24 2:00	1.5	350	-5.6	1028
12/26/24 3:00	ND	ND	ND	ND
12/26/24 4:00	1.5	10	-7.1	1029
12/26/24 5:00	1.5	360	-7.1	1029
12/26/24 6:00	ND	ND	ND	ND
12/26/24 7:00	0.8	180	-5.3	1030
12/26/24 8:00	1.4	215	-3.8	1030
12/26/24 9:00	1.9	321	-2.3	1030
12/26/24 10:00	1.1	170	-0.7	1028

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (12/17/24 10:00 to 12/31/24 10:00)

12/26/24 11:00	2.0	305	0.8	1028
12/26/24 12:00	1.4	184	1.3	1027
12/26/24 13:00	0.6	38	1.0	1027
12/26/24 14:00	ND	ND	0.6	1027
12/26/24 15:00	ND	ND	-2.1	1028
12/26/24 16:00	ND	ND	-3.2	1028
12/26/24 17:00	0.9	142	-4.5	1029
12/26/24 18:00	1.1	181	-6.4	1029
12/26/24 19:00	0.5	89	-6.5	1029
12/26/24 20:00	1.4	224	-7.0	1029
12/26/24 21:00	0.3	60	-8.0	1028
12/26/24 22:00	1.8	260	-8.4	1028
12/26/24 23:00	1.1	170	-8.4	1028
12/27/24 0:00	2.2	292	-8.7	1028
12/27/24 1:00	1.5	232	-8.6	1028
12/27/24 2:00	0.3	55	-9.0	1028
12/27/24 3:00	1.0	169	-9.6	1028
12/27/24 4:00	2.0	196	-10.0	1028
12/27/24 5:00	1.1	169	-9.7	1029
12/27/24 6:00	0.7	112	-9.9	1028
12/27/24 7:00	1.1	172	-7.8	1029
12/27/24 8:00	0.5	93	-5.2	1029
12/27/24 9:00	ND	ND	-2.8	1028
12/27/24 10:00	0.6	37	-0.4	1027
12/27/24 11:00	1.3	128	1.8	1026
12/27/24 12:00	2.1	182	2.1	1025
12/27/24 13:00	2.4	152	2.0	1025
12/27/24 14:00	2.2	180	1.9	1025
12/27/24 15:00	ND	ND	0.6	1025
12/27/24 16:00	ND	ND	-1.4	1025
12/27/24 17:00	ND	ND	-2.4	1025
12/27/24 18:00	0.2	36	-3.3	1025
12/27/24 19:00	0.2	36	-3.3	1025
12/27/24 20:00	0.8	167	-3.3	1024
12/27/24 21:00	1.1	213	-4.1	1024
12/27/24 22:00	1.3	234	-4.0	1023
12/27/24 23:00	2.1	295	-4.1	1023
12/28/24 0:00	1.1	212	-4.2	1023
12/28/24 1:00	0.3	68	-4.1	1023
12/28/24 2:00	0.9	118	-4.0	1023
12/28/24 3:00	1.5	312	-4.0	1023
12/28/24 4:00	1.6	255	-4.0	1023
12/28/24 5:00	1.4	242	-3.9	1023
12/28/24 6:00	0.8	148	-3.2	1023

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (12/17/24 10:00 to 12/31/24 10:00)

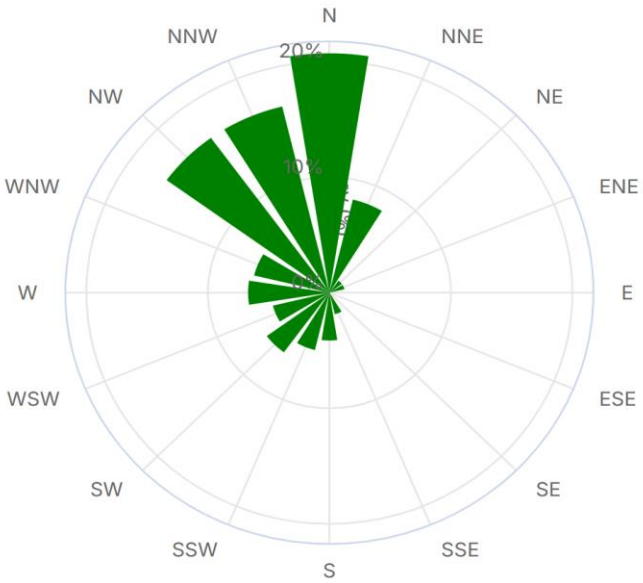
12/28/24 7:00	0.8	106	-2.7	1023
12/28/24 8:00	0.6	137	-2.0	1024
12/28/24 9:00	0.2	31	-1.1	1023
12/28/24 10:00	ND	ND	-0.6	1023
12/28/24 11:00	0.2	6	0.8	1022
12/28/24 12:00	0.2	8	1.0	1021
12/28/24 13:00	1.1	65	1.1	1021
12/28/24 14:00	0.8	38	1.0	1021
12/28/24 15:00	ND	ND	1.0	1021
12/28/24 16:00	ND	ND	1.2	1021
12/28/24 17:00	ND	ND	1.0	1021
12/28/24 18:00	0.3	70	1.0	1021
12/28/24 19:00	0.2	4	1.0	1020
12/28/24 20:00	0.3	69	1.0	1020
12/28/24 21:00	0.4	67	1.0	1020
12/28/24 22:00	0.2	19	1.0	1020
12/28/24 23:00	ND	ND	0.9	1020
12/29/24 0:00	ND	ND	1.0	1020
12/29/24 1:00	0.2	22	0.9	1020
12/29/24 2:00	0.2	17	0.8	1020
12/29/24 3:00	0.3	68	0.9	1020
12/29/24 4:00	0.8	134	0.4	1020
12/29/24 5:00	0.7	89	0.0	1020
12/29/24 6:00	ND	ND	0.0	1020
12/29/24 7:00	ND	ND	0.5	1020
12/29/24 8:00	ND	ND	1.0	1020
12/29/24 9:00	0.3	35	1.0	1019
12/29/24 10:00	0.7	79	1.7	1018
12/29/24 11:00	1.4	133	2.6	1018
12/29/24 12:00	0.6	78	3.1	1017
12/29/24 13:00	1.7	59	3.2	1016
12/29/24 14:00	1.4	57	3.0	1016
12/29/24 15:00	0.7	17	3.0	1016
12/29/24 16:00	0.7	180	3.0	1015
12/29/24 17:00	0.8	46	3.0	1015
12/29/24 18:00	1.5	31	3.0	1014
12/29/24 19:00	1.7	243	3.0	1013
12/29/24 20:00	1.8	283	2.8	1013
12/29/24 21:00	0.7	116	3.0	1012
12/29/24 22:00	0.8	156	2.7	1011
12/29/24 23:00	1.3	181	2.1	1010
12/30/24 0:00	0.5	97	2.0	1009
12/30/24 1:00	ND	ND	2.9	1008
12/30/24 2:00	ND	ND	3.0	1007

CITGO SOUTH PORTLAND MAINE TERMINAL FENCELINE MONITORING

Portland International Jet Airport (PWM) Meteorological Data (12/17/24 10:00 to 12/31/24 10:00)

12/30/24 3:00	1.2	77	4.9	1006
12/30/24 4:00	3.9	159	8.0	1005
12/30/24 5:00	4.1	172	8.5	1005
12/30/24 6:00	4.9	167	9.0	1004
12/30/24 7:00	5.5	165	9.7	1003
12/30/24 8:00	4.6	174	9.2	1003
12/30/24 9:00	5.8	171	9.0	1001
12/30/24 10:00	7.3	167	9.7	999
12/30/24 11:00	5.7	172	9.1	997
12/30/24 12:00	5.2	182	9.1	996
12/30/24 13:00	6.0	187	8.9	996
12/30/24 14:00	4.5	198	8.1	997
12/30/24 15:00	3.5	199	8.3	997
12/30/24 16:00	3.4	197	8.6	998
12/30/24 17:00	3.5	214	8.1	999
12/30/24 18:00	1.7	198	7.9	1000
12/30/24 19:00	1.6	178	5.5	1001
12/30/24 20:00	2.2	218	5.9	1002
12/30/24 21:00	2.2	226	4.6	1002
12/30/24 22:00	2.5	209	4.3	1002
12/30/24 23:00	2.3	225	4.0	1002
12/31/24 0:00	1.9	235	3.9	1003
12/31/24 1:00	2.2	216	3.4	1003
12/31/24 2:00	2.9	212	2.9	1004
12/31/24 3:00	1.6	180	2.5	1004
12/31/24 4:00	1.0	137	1.8	1005
12/31/24 5:00	1.3	125	1.5	1006
12/31/24 6:00	3.1	205	2.4	1007
12/31/24 7:00	3.6	209	3.3	1008
12/31/24 8:00	3.9	232	5.4	1009
12/31/24 9:00	4.0	237	6.7	1009
12/31/24 10:00	3.7	251	7.9	1008

PWM Wind Rose 12/17/24 10:00 - 12/31/24 10:00



CITGO SOUTH PORTLAND MAINE SITE COORDINATES

Terminal Fenceline Perimeter Length = 1,309 m Monitor Location Method: EPA Method 325A Option 2
Terminal Fenceline Area = 23.6 Acres Spacing Between Monitors: 109.1 m (± 10.9 m)

Sampling Station	Target Compounds	Latitude	Longitude	Distances To Adjacent Sites (m)	Notes
Site 1	BTEX	43.637871°	-70.267646°	to Site 18: 105.1 to Site 2: 103.5	Site 1 is located on the northwestern fenceline of the terminal. Railroad tracks and a metals scrapyard border this terminal fenceline near Site 1. The licensed emission unit loading racks are located 80 m to the south and SW of Site 1. Private residences occupy the areas to the NW, west and SW of Site 1.
Site 2	BTEX	43.638643°	-70.266930°	to Site 1: 103.5 to Site 3: 99.1	Site 2 is on the fenceline near the northernmost section of the terminal. Site 2 is within 20 m of the terminal dock area and is approximately 10 m from the Fore River shoreline. A metals scrapyard borders this terminal fenceline near Site 2.
Site 3	BTEX	43.638226°	-70.265928°	to Site 2: 99.1 to Site 4: 118.6	Site 3 is located on the fenceline at the northeastern terminal boundary that borders the Fore River. Site 3 is approximately 5m from the Fore River shoreline. The Vapor Combustion Unit (equipped with a 48-ft. high stack) is located approximately 26 m to the SW of Site 3. This licensed emissions unit is <50 m from fenceline.
Site 4	BTEX	43.637291°	-70.266556°	to Site 3: 118.6 to Site 5: 118.5	Site 4 is located on the fenceline at the eastern terminal boundary that borders the Fore River. Site 4 is approximately 5 m from the Fore River shoreline.
Site 5	BTEX	43.636766°	-70.265537°	to Site 4: 59.2 to Site 6: 59.3	Site 5 is located on the southeastern fenceline bordering the Fore River and is located halfway between Sites 4 & 6. Site 5 is an additional monitor & is required because licensed emission unit Tank 1 is located between Sites 4 and 6 and is <50 m from the fenceline.

CITGO SOUTH PORTLAND MAINE SITE COORDINATES

Terminal Fenceline Perimeter Length = 1,309 m Monitor Location Method: EPA Method 325A Option 2

Terminal Fenceline Area = 23.6 Acres Spacing Between Monitors: 109.1 m (± 10.9 m)

Sampling Station	Target Compounds	Latitude	Longitude	Distances To Adjacent Sites (m)	Notes
Site 6	BTEX	43.636251°	-70.265520°	to Site 5: 118.5 to Site 7: 115.2	Site 6 is located on the fenceline at the eastern terminal boundary that borders the Fore River. Site 6 is approximately 5m from the Fore River shoreline. Licensed emission unit Tank 1 is located approximately 56 m to the NW of Site 11. Licensed emission unit Tank 2 is located approximately 47 m to the SW of Site 6. Tanks 1 and 2 are both <50 m from the fenceline.
Site 7	BTEX	43.635725°	-70.265512°	to Site 6: 57.6 to Site 8: 57.6	Site 7 is located on the southeastern fenceline bordering the Fore River and is located halfway between Sites 6 & 8. Site 7 is an additional monitor and is required because licensed emission unit Tank 2 is located between Sites 5 and 6 and is <50 m from the fenceline.
Site 8	BTEX	43.635202°	-70.265497°	to Site 7: 115.2 to Site 9: 116.0	Site 8 is located on the fenceline at the eastern terminal boundary that borders the Fore River. Site 8 is approximately 5m from the Fore River shoreline. Licensed emission units Tanks 3 and 4 are located approximately 30m and 80m, respectively, to the SW of Site 8. Tanks 3 and 4 are both <50 m from the fenceline.
Site 9	BTEX	43.634826°	-70.265819°	to Site 8: 58.0 to Site 10: 58.0	Site 9 is located on the southeastern fenceline bordering the Fore River and is located halfway between Sites 8 & 10. Site 9 is an additional monitor & is required because licensed emission unit Tank 3 is located between Sites 8 and 10 and is <50 m from the fenceline.
Site 10	BTEX	43.634504°	-70.266083°	to Site 9: 116.0 to Site 11: 113.0	Site 10 is located on the fenceline at the southeastern terminal boundary that borders Pearl St. Site 10 is approximately 32m from the shoreline of the Fore River. Licensed emission units Tanks 3 and 4 are located in this area and are <50 m from fenceline.

CITGO SOUTH PORTLAND MAINE SITE COORDINATES

Terminal Fenceline Perimeter Length = 1,309 m Monitor Location Method: EPA Method 325A Option 2
Terminal Fenceline Area = 23.6 Acres Spacing Between Monitors: 109.1 m (± 10.9 m)

Sampling Station	Target Compounds	Latitude	Longitude	Distances To Adjacent Sites (m)	Notes
Site 11	BTEX	43.634390°	-70.266759°	to Site 10: 56.5 to Site 12: 56.5	Site 11 is located on the fenceline halfway between Sites 10 & 12. Site 11 is an additional monitor and is required because licensed emission unit Tank 4 is located between Sites 10 and 12 and Tank 4 is <50 m from the fenceline.
Site 12	BTEX	43.634436°	-70.267407°	to Site 11: 113.0 to Site 13: 101.9	Site 12 is on the fenceline at the southeastern terminal boundary that borders the South Portland Greenbelt Pathway. Private residences occupy the areas to the South, SW, West and NW of Site 12.
Site13	BTEX	43.634784°	-70.267791°	to Site 12: 51.0 to Site 14: 51.0	Site 13 is located on the fenceline halfway between Sites 12 & 14. Site 13 is an additional monitor and is required because licensed emission unit Tank 5 is located between Sites 12 and 14 and Tank 5 is <50 m from the fenceline.
Site14	BTEX	43.635151°	-70.268058°	to Site 13: 101.9 to Site 15: 100.1	Site 14 is on the fenceline at the southwestern terminal boundary near the terminus of Forest Ave. Licensed emission unit Tank 6 is located approximately 43 m E-NE of Site 14. Private residences occupy the areas to the SE, South, SW, West and NW of Site 14.

CITGO SOUTH PORTLAND MAINE SITE COORDINATES

Terminal Fenceline Perimeter Length = 1,309 m Monitor Location Method: EPA Method 325A Option 2

Terminal Fenceline Area = 23.6 Acres Spacing Between Monitors: 109.1 m (± 10.9 m)

Sampling Station	Target Compounds	Latitude	Longitude	Distances To Adjacent Sites (m)	Notes
Site 15	BTEX	43.635574°	-70.268754°	to Site 14: 100.1 to Site 16: 119.9	Site 15 is on the fenceline at the southwestern terminal boundary near the terminus of Atlantic Ave. Licensed emission unit Tank 7 is located approximately 52 m E-NE of Site 15. Private residences occupy the areas to the SE, south, SW, west and NW of Site 15.
Site 16	BTEX	43.636415°	-70.268879°	to Site 15: 119.9 to Site 17: 98.5	Site 16 is located on the northwestern fenceline of the terminal. Railroad tracks and Elm St. border this terminal fenceline near Site 16. Licensed emission unit Tank 9 is located 22 m to the east of Site 16. Tank 9 is <50 m from the fenceline. Private residences occupy the areas to the south, west and north of Site 16.
Site 17	BTEX	43.636786°	-70.268548°	to Site 16: 49.2 to Site 18: 49.3	Site 17 is located on the fenceline halfway between Sites 16 & 18. Site 17 is an additional monitor and is required because licensed emission units Tanks 9 and 10 are located between Sites 16 and 18 and Tanks 9 and 10 are <50 m from the fenceline.
Site 18	BTEX	43.637133°	-70.268182°	to Site 17: 98.5 to Site 1: 105.1	Site 18 is located on the northwestern fenceline of the terminal. Railroad tracks and Elm St. border this terminal fenceline near Site 18. Licensed emission unit Tank 10 is located 24 m to the south of Site 18. Tank 10 is <50 m from the fenceline. Private residences occupy the areas to the north, west and SW of Site 18.

Aerial View of the CITGO South Portland Terminal Fenceline Sampling Locations



APPENDIX A – LAB RESULTS

CITGO – South Portland Terminal

102 Mechanic St.
South Portland, ME 04106

Sampling Event 11

PROJ-031602

Analytical Report (2024FP401)

EPA Method 325B

Benzene, Toluene, Ethylbenzene, m-/p-Xylenes, o-Xylene

Report Submitted By:
Montrose Air Quality Services LLC – Pine Brook, NJ

Enthalpy Analytical, LLC
Phone: (919) 850 - 4392 / Fax: (919) 850 - 9012 / www.enthalpy.com
800-1 Capitola Drive, Durham, NC 27713

I certify that to the best of my knowledge all analytical data presented in this report:

- Have been checked for completeness
- Are accurate, error-free, and legible
- Have been conducted in accordance with approved protocol, and that all deviations and analytical problems are summarized in the appropriate narrative(s)

This analytical report was prepared in Portable Document Format (.PDF). This report shall not be reproduced except in full without approval of the laboratory. This will provide assurance that parts of a report are not taken out of context.



QA REVIEW PERFORMED BY
Brianna Berry
QA Associate I

Report Issued: 10/22/2024

ENTHALPY
ANALYTICAL

Summary of Results

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP401-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Summary

Sample Code	Tube ID	Benzene (ug/m³)	Flag	Ethylbenzene (ug/m³)	Flag	m-/p-Xylene (ug/m³)	Flag	o-Xylene (ug/m³)	Flag	Toluene (ug/m³)	Flag
CGOSP-1-S-20240924	B52748	1.78		1.64		4.92		1.72		6.96	
CGOSP-2-S-20240924	B35911	1.26		0.793		2.36		0.898		4.02	
CGOSP-3-S-20240924	C53632	1.54		1.02		3.53		1.27		5.38	
CGOSP-3-D-20240924	B14962	1.83		1.05		3.18		1.15		5.57	
CGOSP-3-B-20240924	C35844		ND		ND		ND		ND	0.335	J
CGOSP-4-S-20240924	B27251	2.03		1.42		3.84		1.48		6.77	
CGOSP-5-S-20240924	C53588	2.35		1.61		5.30		1.93		7.69	
CGOSP-6-S-20240924	B52683	2.66		1.50		4.61		1.61		7.48	
CGOSP-7-S-20240924	B50855	3.09		1.65		5.42		1.96		9.43	
CGOSP-8-S-20240924	C43872	3.17		1.51		5.40		1.93		9.34	
CGOSP-9-S-20240924	B49539	2.90		1.39		4.81		1.82		8.71	
CGOSP-9-D-20240924	B47130	2.95		1.25		4.26		1.55		8.39	
CGOSP-9-B-20240924	B51065	0.231	J		ND		ND		ND	0.569	
CGOSP-10-S-20240924	C37469	2.09		1.09		3.51		1.26		6.18	
CGOSP-11-S-20240924	B52796	2.28		1.33		3.94		1.48		6.99	
CGOSP-12-S-20240924	C17166	1.81		0.957		3.22		1.20		5.68	
CGOSP-13-S-20240924	B34757	1.85		1.16		3.24		1.20		5.36	
CGOSP-14-S-20240924	B22063	2.21		1.44		4.24		1.57		6.39	
CGOSP-15-S-20240924	C53638	2.52		1.56		5.30		1.92		8.08	
CGOSP-16-S-20240924	B35451	2.96		2.04		6.62		2.53		11.9	
CGOSP-17-S-20240924	B43733	3.22		2.23		6.70		2.52		12.9	
CGOSP-18-S-20240924	C43859	3.17		2.17		7.74		2.74		13.8	

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit
ND: The analyte was not present above the Method Detection Limit

Results

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP401-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Benzene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
CGOSP-1-S-20240924	B52748	1.78	0.557	23.5	57.4	0.658	20,070	0.189	0.393	0.0593	0.123	
CGOSP-2-S-20240924	B35911	1.26	0.396	16.7	57.4	0.658	20,070	0.189	0.393	0.0593	0.123	
CGOSP-3-S-20240924	C53632	1.54	0.481	20.3	57.4	0.658	20,070	0.189	0.393	0.0593	0.123	
CGOSP-3-D-20240924	B14962	1.83	0.572	24.1	57.4	0.658	20,070	0.189	0.393	0.0593	0.123	
CGOSP-3-B-20240924	C35844				57.4	0.658	20,070	0.189	0.393	0.0593	0.123	ND
CGOSP-4-S-20240924	B27251	2.03	0.636	26.8	57.4	0.658	20,069	0.189	0.393	0.0593	0.123	
CGOSP-5-S-20240924	C53588	2.35	0.735	31.0	57.4	0.658	20,070	0.189	0.393	0.0593	0.123	
CGOSP-6-S-20240924	B52683	2.66	0.832	35.0	57.4	0.658	20,070	0.189	0.393	0.0593	0.123	
CGOSP-7-S-20240924	B50855	3.09	0.969	40.8	57.4	0.658	20,070	0.189	0.393	0.0593	0.123	
CGOSP-8-S-20240924	C43872	3.17	0.993	41.8	57.4	0.658	20,070	0.189	0.393	0.0593	0.123	
CGOSP-9-S-20240924	B49539	2.90	0.907	38.2	57.4	0.658	20,070	0.189	0.393	0.0593	0.123	
CGOSP-9-D-20240924	B47130	2.95	0.924	38.9	57.4	0.658	20,070	0.189	0.393	0.0593	0.123	
CGOSP-9-B-20240924	B51065	0.231	0.0725	3.06	57.4	0.658	20,070	0.189	0.393	0.0593	0.123	J
CGOSP-10-S-20240924	C37469	2.09	0.653	27.5	57.4	0.658	20,071	0.189	0.393	0.0593	0.123	
CGOSP-11-S-20240924	B52796	2.28	0.715	30.1	57.4	0.658	20,071	0.189	0.393	0.0593	0.123	
CGOSP-12-S-20240924	C17166	1.81	0.567	23.9	57.4	0.658	20,070	0.189	0.393	0.0593	0.123	
CGOSP-13-S-20240924	B34757	1.85	0.580	24.5	57.4	0.658	20,070	0.189	0.393	0.0593	0.123	
CGOSP-14-S-20240924	B22063	2.21	0.692	29.2	57.4	0.658	20,070	0.189	0.393	0.0593	0.123	
CGOSP-15-S-20240924	C53638	2.52	0.788	33.2	57.3	0.658	20,070	0.189	0.393	0.0593	0.123	
CGOSP-16-S-20240924	B35451	2.96	0.929	39.1	57.3	0.658	20,070	0.189	0.393	0.0593	0.123	
CGOSP-17-S-20240924	B43733	3.22	1.01	42.5	57.3	0.658	20,070	0.189	0.393	0.0593	0.123	
CGOSP-18-S-20240924	C43859	3.17	0.994	41.9	57.3	0.658	20,070	0.189	0.393	0.0593	0.123	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP401-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Ethylbenzene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
CGOSP-1-S-20240924	B52748	1.64	0.377	14.8	57.4	0.452	20,070	0.276	0.589	0.0636	0.136	
CGOSP-2-S-20240924	B35911	0.793	0.183	7.19	57.4	0.452	20,070	0.276	0.589	0.0636	0.136	
CGOSP-3-S-20240924	C53632	1.02	0.235	9.23	57.4	0.452	20,070	0.276	0.589	0.0636	0.136	
CGOSP-3-D-20240924	B14962	1.05	0.243	9.55	57.4	0.452	20,070	0.276	0.589	0.0636	0.136	
CGOSP-3-B-20240924	C35844				57.4	0.452	20,070	0.276	0.589	0.0636	0.136	ND
CGOSP-4-S-20240924	B27251	1.42	0.326	12.8	57.4	0.452	20,069	0.276	0.589	0.0636	0.136	
CGOSP-5-S-20240924	C53588	1.61	0.372	14.6	57.4	0.452	20,070	0.276	0.589	0.0636	0.136	
CGOSP-6-S-20240924	B52683	1.50	0.345	13.6	57.4	0.452	20,070	0.276	0.589	0.0636	0.136	
CGOSP-7-S-20240924	B50855	1.65	0.380	14.9	57.4	0.452	20,070	0.276	0.589	0.0636	0.136	
CGOSP-8-S-20240924	C43872	1.51	0.348	13.7	57.4	0.452	20,070	0.276	0.589	0.0636	0.136	
CGOSP-9-S-20240924	B49539	1.39	0.319	12.6	57.4	0.452	20,070	0.276	0.589	0.0636	0.136	
CGOSP-9-D-20240924	B47130	1.25	0.287	11.3	57.4	0.452	20,070	0.276	0.589	0.0636	0.136	
CGOSP-9-B-20240924	B51065				57.4	0.452	20,070	0.276	0.589	0.0636	0.136	ND
CGOSP-10-S-20240924	C37469	1.09	0.252	9.92	57.4	0.452	20,071	0.276	0.589	0.0636	0.136	
CGOSP-11-S-20240924	B52796	1.33	0.307	12.1	57.4	0.452	20,071	0.276	0.589	0.0636	0.136	
CGOSP-12-S-20240924	C17166	0.957	0.220	8.67	57.4	0.452	20,070	0.276	0.589	0.0636	0.136	
CGOSP-13-S-20240924	B34757	1.16	0.268	10.5	57.4	0.452	20,070	0.276	0.589	0.0636	0.136	
CGOSP-14-S-20240924	B22063	1.44	0.331	13.0	57.4	0.452	20,070	0.276	0.589	0.0636	0.136	
CGOSP-15-S-20240924	C53638	1.56	0.359	14.1	57.3	0.451	20,070	0.276	0.589	0.0636	0.136	
CGOSP-16-S-20240924	B35451	2.04	0.470	18.5	57.3	0.451	20,070	0.276	0.589	0.0636	0.136	
CGOSP-17-S-20240924	B43733	2.23	0.513	20.2	57.3	0.451	20,070	0.276	0.589	0.0636	0.136	
CGOSP-18-S-20240924	C43859	2.17	0.500	19.6	57.3	0.451	20,070	0.276	0.589	0.0636	0.136	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP401-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

m-/p-Xylene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
CGOSP-1-S-20240924	B52748	4.92	1.13	44.6	57.4	0.452	20,070	0.276	0.592	0.0636	0.137	
CGOSP-2-S-20240924	B35911	2.36	0.544	21.4	57.4	0.452	20,070	0.276	0.592	0.0636	0.137	
CGOSP-3-S-20240924	C53632	3.53	0.813	32.0	57.4	0.452	20,070	0.276	0.592	0.0636	0.137	
CGOSP-3-D-20240924	B14962	3.18	0.733	28.8	57.4	0.452	20,070	0.276	0.592	0.0636	0.137	
CGOSP-3-B-20240924	C35844				57.4	0.452	20,070	0.276	0.592	0.0636	0.137	ND
CGOSP-4-S-20240924	B27251	3.84	0.884	34.8	57.4	0.452	20,069	0.276	0.592	0.0636	0.137	
CGOSP-5-S-20240924	C53588	5.30	1.22	48.0	57.4	0.452	20,070	0.276	0.592	0.0636	0.137	
CGOSP-6-S-20240924	B52683	4.61	1.06	41.8	57.4	0.452	20,070	0.276	0.592	0.0636	0.137	
CGOSP-7-S-20240924	B50855	5.42	1.25	49.1	57.4	0.452	20,070	0.276	0.592	0.0636	0.137	
CGOSP-8-S-20240924	C43872	5.40	1.24	48.9	57.4	0.452	20,070	0.276	0.592	0.0636	0.137	
CGOSP-9-S-20240924	B49539	4.81	1.11	43.5	57.4	0.452	20,070	0.276	0.592	0.0636	0.137	
CGOSP-9-D-20240924	B47130	4.26	0.981	38.6	57.4	0.452	20,070	0.276	0.592	0.0636	0.137	
CGOSP-9-B-20240924	B51065				57.4	0.452	20,070	0.276	0.592	0.0636	0.137	ND
CGOSP-10-S-20240924	C37469	3.51	0.808	31.8	57.4	0.452	20,071	0.276	0.592	0.0636	0.137	
CGOSP-11-S-20240924	B52796	3.94	0.909	35.7	57.4	0.452	20,071	0.276	0.592	0.0636	0.137	
CGOSP-12-S-20240924	C17166	3.22	0.743	29.2	57.4	0.452	20,070	0.276	0.592	0.0636	0.137	
CGOSP-13-S-20240924	B34757	3.24	0.747	29.4	57.4	0.452	20,070	0.276	0.592	0.0636	0.137	
CGOSP-14-S-20240924	B22063	4.24	0.978	38.4	57.4	0.452	20,070	0.276	0.592	0.0636	0.137	
CGOSP-15-S-20240924	C53638	5.30	1.22	48.0	57.3	0.451	20,070	0.276	0.592	0.0636	0.137	
CGOSP-16-S-20240924	B35451	6.62	1.52	60.0	57.3	0.451	20,070	0.276	0.592	0.0636	0.137	
CGOSP-17-S-20240924	B43733	6.70	1.54	60.7	57.3	0.451	20,070	0.276	0.592	0.0636	0.137	
CGOSP-18-S-20240924	C43859	7.74	1.78	70.1	57.3	0.451	20,070	0.276	0.592	0.0636	0.137	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP401-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

o-Xylene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
CGOSP-1-S-20240924	B52748	1.72	0.396	15.6	57.4	0.452	20,070	0.276	0.596	0.0636	0.137	
CGOSP-2-S-20240924	B35911	0.898	0.207	8.14	57.4	0.452	20,070	0.276	0.596	0.0636	0.137	
CGOSP-3-S-20240924	C53632	1.27	0.293	11.5	57.4	0.452	20,070	0.276	0.596	0.0636	0.137	
CGOSP-3-D-20240924	B14962	1.15	0.266	10.5	57.4	0.452	20,070	0.276	0.596	0.0636	0.137	
CGOSP-3-B-20240924	C35844				57.4	0.452	20,070	0.276	0.596	0.0636	0.137	ND
CGOSP-4-S-20240924	B27251	1.48	0.341	13.4	57.4	0.452	20,069	0.276	0.596	0.0636	0.137	
CGOSP-5-S-20240924	C53588	1.93	0.444	17.5	57.4	0.452	20,070	0.276	0.596	0.0636	0.137	
CGOSP-6-S-20240924	B52683	1.61	0.370	14.6	57.4	0.452	20,070	0.276	0.596	0.0636	0.137	
CGOSP-7-S-20240924	B50855	1.96	0.452	17.8	57.4	0.452	20,070	0.276	0.596	0.0636	0.137	
CGOSP-8-S-20240924	C43872	1.93	0.444	17.5	57.4	0.452	20,070	0.276	0.596	0.0636	0.137	
CGOSP-9-S-20240924	B49539	1.82	0.419	16.5	57.4	0.452	20,070	0.276	0.596	0.0636	0.137	
CGOSP-9-D-20240924	B47130	1.55	0.357	14.0	57.4	0.452	20,070	0.276	0.596	0.0636	0.137	
CGOSP-9-B-20240924	B51065				57.4	0.452	20,070	0.276	0.596	0.0636	0.137	ND
CGOSP-10-S-20240924	C37469	1.26	0.289	11.4	57.4	0.452	20,071	0.276	0.596	0.0636	0.137	
CGOSP-11-S-20240924	B52796	1.48	0.341	13.4	57.4	0.452	20,071	0.276	0.596	0.0636	0.137	
CGOSP-12-S-20240924	C17166	1.20	0.276	10.8	57.4	0.452	20,070	0.276	0.596	0.0636	0.137	
CGOSP-13-S-20240924	B34757	1.20	0.277	10.9	57.4	0.452	20,070	0.276	0.596	0.0636	0.137	
CGOSP-14-S-20240924	B22063	1.57	0.362	14.2	57.4	0.452	20,070	0.276	0.596	0.0636	0.137	
CGOSP-15-S-20240924	C53638	1.92	0.442	17.4	57.3	0.451	20,070	0.276	0.596	0.0636	0.137	
CGOSP-16-S-20240924	B35451	2.53	0.584	23.0	57.3	0.451	20,070	0.276	0.596	0.0636	0.137	
CGOSP-17-S-20240924	B43733	2.52	0.582	22.9	57.3	0.451	20,070	0.276	0.596	0.0636	0.137	
CGOSP-18-S-20240924	C43859	2.74	0.631	24.8	57.3	0.451	20,070	0.276	0.596	0.0636	0.137	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP401-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Toluene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
CGOSP-1-S-20240924	B52748	6.96	1.85	71.3	57.4	0.510	20,070	0.244	0.526	0.0648	0.140	
CGOSP-2-S-20240924	B35911	4.02	1.07	41.1	57.4	0.510	20,070	0.244	0.526	0.0648	0.140	
CGOSP-3-S-20240924	C53632	5.38	1.43	55.1	57.4	0.510	20,070	0.244	0.526	0.0648	0.140	
CGOSP-3-D-20240924	B14962	5.57	1.48	57.1	57.4	0.510	20,070	0.244	0.526	0.0648	0.140	
CGOSP-3-B-20240924	C35844	0.335	0.0891	3.44	57.4	0.510	20,070	0.244	0.526	0.0648	0.140	J
CGOSP-4-S-20240924	B27251	6.77	1.80	69.4	57.4	0.510	20,069	0.244	0.526	0.0648	0.140	
CGOSP-5-S-20240924	C53588	7.69	2.04	78.7	57.4	0.510	20,070	0.244	0.526	0.0648	0.140	
CGOSP-6-S-20240924	B52683	7.48	1.99	76.7	57.4	0.510	20,070	0.244	0.526	0.0648	0.140	
CGOSP-7-S-20240924	B50855	9.43	2.50	96.6	57.4	0.510	20,070	0.244	0.526	0.0648	0.140	
CGOSP-8-S-20240924	C43872	9.34	2.48	95.7	57.4	0.510	20,070	0.244	0.526	0.0648	0.140	
CGOSP-9-S-20240924	B49539	8.71	2.31	89.3	57.4	0.510	20,070	0.244	0.526	0.0648	0.140	
CGOSP-9-D-20240924	B47130	8.39	2.23	85.9	57.4	0.510	20,070	0.244	0.526	0.0648	0.140	
CGOSP-9-B-20240924	B51065	0.569	0.151	5.83	57.4	0.510	20,070	0.244	0.526	0.0648	0.140	
CGOSP-10-S-20240924	C37469	6.18	1.64	63.3	57.4	0.510	20,071	0.244	0.526	0.0648	0.140	
CGOSP-11-S-20240924	B52796	6.99	1.86	71.6	57.4	0.510	20,071	0.244	0.526	0.0648	0.140	
CGOSP-12-S-20240924	C17166	5.68	1.51	58.2	57.4	0.510	20,070	0.244	0.526	0.0648	0.140	
CGOSP-13-S-20240924	B34757	5.36	1.42	54.9	57.4	0.510	20,070	0.244	0.526	0.0648	0.140	
CGOSP-14-S-20240924	B22063	6.39	1.70	65.5	57.4	0.510	20,070	0.244	0.526	0.0648	0.140	
CGOSP-15-S-20240924	C53638	8.08	2.15	82.8	57.3	0.510	20,070	0.244	0.526	0.0648	0.140	
CGOSP-16-S-20240924	B35451	11.9	3.16	122	57.3	0.510	20,070	0.244	0.526	0.0648	0.140	
CGOSP-17-S-20240924	B43733	12.9	3.44	133	57.3	0.510	20,070	0.244	0.526	0.0648	0.140	
CGOSP-18-S-20240924	C43859	13.8	3.67	141	57.3	0.510	20,070	0.244	0.526	0.0648	0.140	

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit

ND: The analyte was not present above the Method Detection Limit

QC

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP401-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

QC Samples

Field Sample Type	Sample Code	Benzene		Ethylbenzene		m-/p-Xylene		o-Xylene		Toluene	
Blanks (ug/m³)	CGOSP-3-B-20240924	ND	Pass	ND	Pass	ND	Pass	ND	Pass	0.335	Pass
	CGOSP-9-B-20240924	0.231	Pass	ND	Pass	ND	Pass	ND	Pass	0.569	Pass
Duplicates (difference)	CGOSP-3-D-20240924	17%	Pass	3.4%	Pass	10%	Pass	9.7%	Pass	3.5%	Pass
	CGOSP-9-D-20240924	1.9%	Pass	11%	Pass	12%	Pass	16%	Pass	3.8%	Pass

Narrative Summary

Enthalpy Analytical Narrative Summary

Company	Montrose Air Quality Services, LLC - New Jersey
Site	CITGO – South Portland Terminal
Project	PROJ-031602
Report #	2024FP401

Custody	Enthalpy Analytical, LLC received the sample tubes on 10/11/24. The samples were received in good condition at a temperature of 22.3 ºC. Prior to, during, and after analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, LLC.
Analysis	The samples were analyzed for Benzene, Toluene, Ethylbenzene, o-Xylene, and m-/p-Xylenes using EPA Method 325B – Volatile Organic Compounds from Fugitive and Area Sources by Thermal Desorption and GC/MS. A copy of the acquisition method (M325B-TD35.M) is not included in this report but may be available upon request.
Calibration	All BFB tune criteria have been met for this analysis. The initial calibration met 30% RSD criteria. The initial calibration verification met 30% recovery criteria. The continuing calibration verifications met 30% difference criteria. The initial and continuing calibration raw data are not included in this report but are available upon request.
Quality Control Notes	All quality control criteria required by the method and/or the laboratory SOP have been met unless noted otherwise below.
Reporting Notes	The samples may have been purged to remove known or suspected moisture. If purging occurred, a CCV and a Method Blank will have been purged alongside the samples. The laboratory maintains documentation of samples that are purged. As specified in EPA Method 325B, the response factor of the daily continuing calibration standard was used to quantitate all field samples and blanks. All samples were reported as amount in ng catch, and concentration in µg/m3 and ppbv. The results presented in this report are representative of the samples as provided to the laboratory.

Enthalpy Analytical Narrative Summary
(continued)

These analyses met the requirements of the TNI Standard. Any deviations from the requirements of the reference method or TNI Standard have been stated above.

Sample Custody

2024FP401

ENTHALPY ANALYTICAL

EPA Method 325 A
Field Test Data Sheet and Chain of Custody Record

Page # 1 of 3 #

☐ Standard Turn Around Time (10 business days)
☐ Rush Turn Around Time
• All TATs Subject to Approval by Enthalpy Analytical, Inc.
• Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name:	Citgo So. Portland	Client Name:	Montrose Air
Site Address:	107 Mechanic Street	Project Number:	PROJ-031602
City:	So Portland	Project Manager:	Haig Brown
State	Maine	Email Address:	haigbrown@Montrose-env.com
Zip:	04106	Telephone #:	207-441-0025

PO#:
Sample Event #
Sorbent:

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
1	B52748	S	9/24/24	12:45	10/8/24	10:15	HB / HB		
2	B35911	S	9/24/24	12:50	10/8/24	10:20	HB / HB		
3	C53632	S	9/24/24	12:55	10/8/24	10:25	HB / HB		
3	B14962	D	9/24/24	12:55	10/8/24	10:25	HB / HB		
3	C35844	B	9/24/24	11:55	10/8/24	10:25	HB / HB		
4	B27251	S	9/24/24	12:05	10/8/24	10:34	HB / HB		
5	C53588	S	9/24/24	12:10	10/8/24	10:40	HB / HB		
6	B52683	S	9/24/24	12:15	10/8/24	10:45	HB / HB		

Relinquished By (printed): Haig Brown	Relinquished By (signature):	Relinquished Date: 10/8/2024	Relinquished Time: 14:40
Recieved By (printed): Regan Allen	Recieved By (signature):	Receipt Date: 10/11/2024	Receipt Time: 10:00
Sample Condition Upon Receipt: Good	Compound List:	Custody Seal intact? Y/N: yes	Delivery tracking #
Ice Temp:	Blank Temp: 22.3 Fluke 7A	Add Custody Seal # below: 24A026605	

Comments:

2024FP401

ENTHALPY ANALYTICAL

EPA Method 325 A/B
Field Test Data Sheet and Chain of Custody Record

Page # 2 of 3 #

☐ Standard Turn Around Time (10 business days)
☐ Rush Turn Around Time
• All TATs Subject to Approval by Enthalpy Analytical, Inc.
• Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name:	Citgo So Portland	Client Name:	Montrose Air
Site Address:	107 Mechanic Street	Project Number:	RROS-031602
City:	So Portland	Project Manager:	Haig Brochu
State	Maine	Email Address:	haigbrochu@Montrose-env.com
Zip:	04106	Telephone #:	207-441-0025

PO#:
Sample Event #
Sorbent:

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
7	B50855	S	9/24/24	12:20	10/8/24	10:50	HH3 / HH3		
8	C43872	S	9/24/24	12:25	10/8/24	10:55	HH3 / HH3		
9	B49539	S	9/24/24	12:30	10/8/24	11:00	HH3 / HH3		
9	B47130	D	9/24/24	12:30	10/8/24	11:00	HH3 / HH3		
9	B51065	B	9/24/24	12:30	10/8/24	11:00	HH3 / HH3		
10	C37469	S	9/24/24	12:35	10/8/24	11:06	HH3 / HH3		
11	B52796	S	9/24/24	12:40	10/8/24	11:11	HH3 / HH3		
12	C17166	S	9/24/24	12:45	10/8/24	11:15	HH3 / HH3		

Relinquished By (printed):	Relinquished By (signature):	Relinquished Date:	Relinquished Time:
Haig Brochu		10/8/2024	14:40
Recieved By (printed):	Recieved By (signature):	Receipt Date:	Receipt Time:
Regan Allen		10/11/2024	10:00
Sample Condition Upon Receipt:	Compound List:	Custody Seal intact? Y/N:	Delivery tracking #
Good		Yes	
Ice Temp: / Blank Temp: 22.3 / Fluke 7A		Add Custody Seal # below: 24A026665	

Comments: #7 = B50855

2024FP401

ENTHALPY ANALYTICAL

EPA Method 325 A/B Field Test Data Sheet and Chain of Custody Record

Page # 3 of 3 #

☐ Standard Turn Around Time (10 business days)
☐ Rush Turn Around Time
• All TATs Subject to Approval by Enthalpy Analytical, Inc.
• Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name:	Citgo So Portland	Client Name:	Montrose Air
Site Address:	107 Mechanic Street	Project Number:	PROS-031602
City:	So Portland	Project Manager:	Hardy Brochu
State	Maine	Email Address:	hardybrochu@Montrose-env.com
Zip:	04106	Telephone #:	207-441-0025

PO#:
Sample Event #
Sorbent:

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
13	B34757	S	9/24/24	12:50	10/8/24	11:20	HFB / HFB		
14	B22063	S	9/24/24	12:55	10/8/24	11:25	HFB / HFB		
15	C53638	S	9/24/24	13:00	10/8/24	11:30	HFB / HFB		
16	B35451	S	9/24/24	13:05	10/8/24	11:35	HFB / HFB		
17	B43733	S	9/24/24	13:10	10/8/24	11:40	HFB / HFB		
18	C43859	S	9/24/24	13:15	10/8/24	11:45	HFB / HFB		
							/		
							/		

Relinquished By (printed): Hardy Brochu	Relinquished By (signature):	Relinquished Date: 10/8/2024	Relinquished Time: 14:40
Recieved By (printed): Regan Allen	Recieved By (signature):	Receipt Date: 10/11/2024	Receipt Time: 10:00
Sample Condition Upon Receipt: Good	Compound List:	Custody Seal intact? Y/N: yes	Delivery tracking #
Ice Temp:	Blank Temp: 22.3 FLUKE 7A	Add Custody Seal # below: 24A026605	

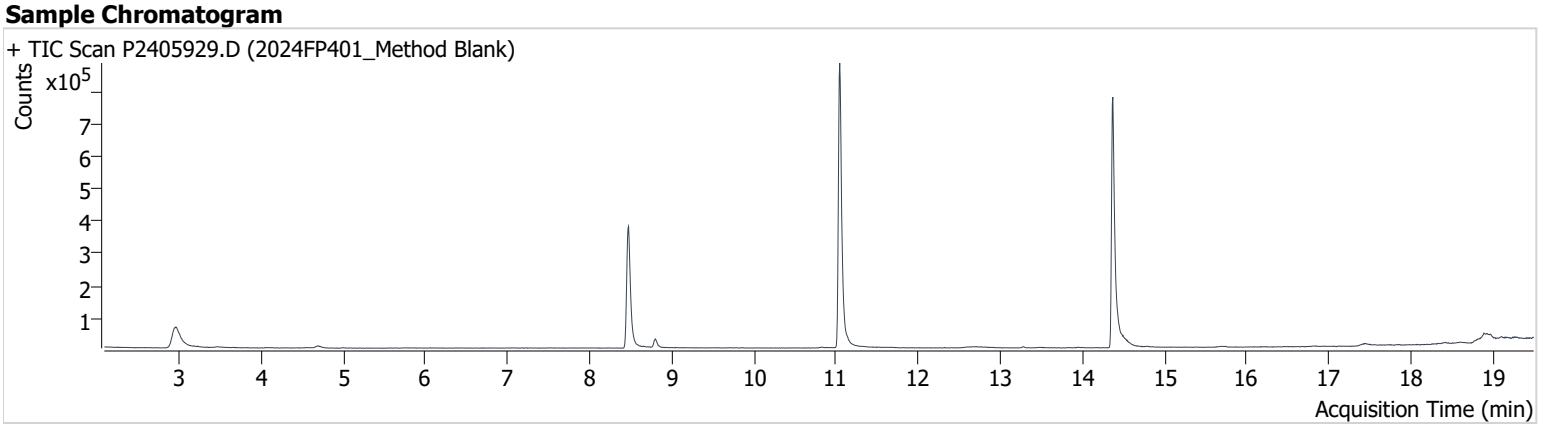
Comments:

Sample Chromatograms

ENTHALPY ANALYTICAL

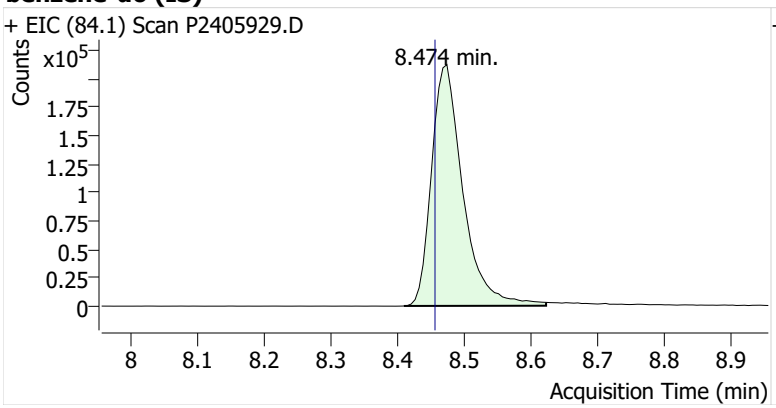
Name	2024FP401_Method Blank
Comment	B29780
Data File	P2405929.D
Acq. Date-Time	10/14/2024 6:14:45 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

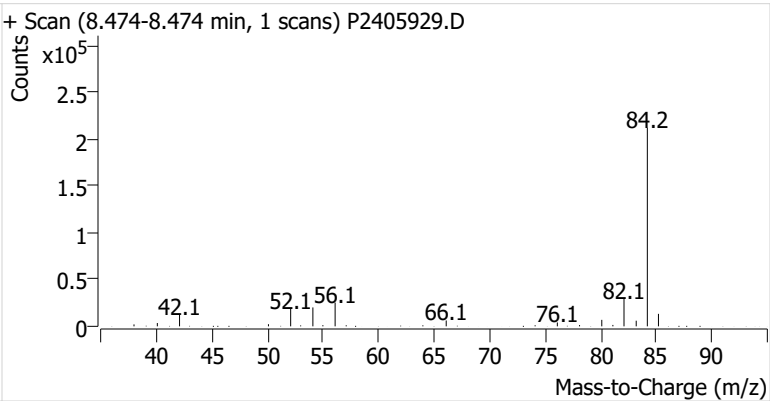
Sample Chromatogram



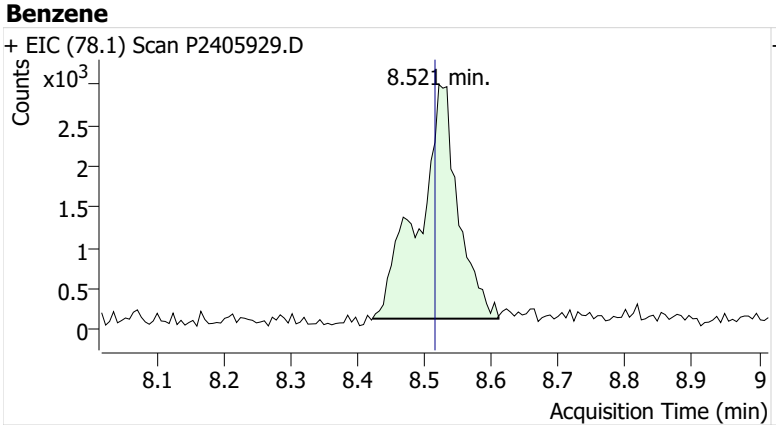
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.474	8.456	693,456	
Benzene	benzene-d6 (IS)	8.521	8.515	11,795	
Toluene-d8 (IS)		11.044	11.032	1,022,809	
Toluene	Toluene-d8 (IS)	11.133	11.121	11,653	
Ethylbenzene	Toluene-d8 (IS)	13.275	13.252	3,651	
m-/p-Xylene	Toluene-d8 (IS)	13.477	13.459	3,067	
o-Xylene	Toluene-d8 (IS)	13.940	13.922	2,019	m

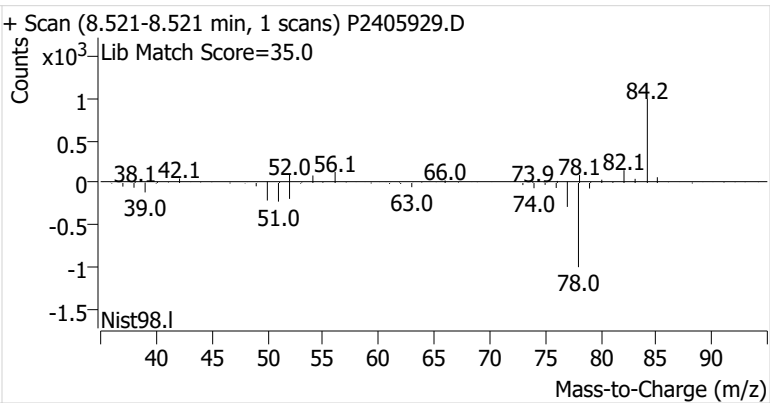
benzene-d6 (IS)



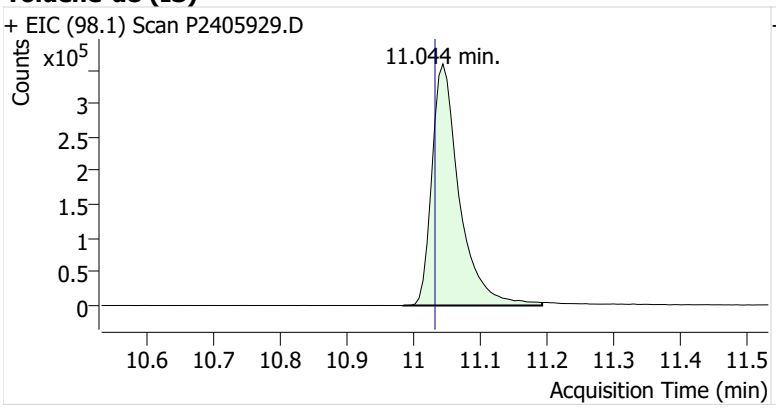


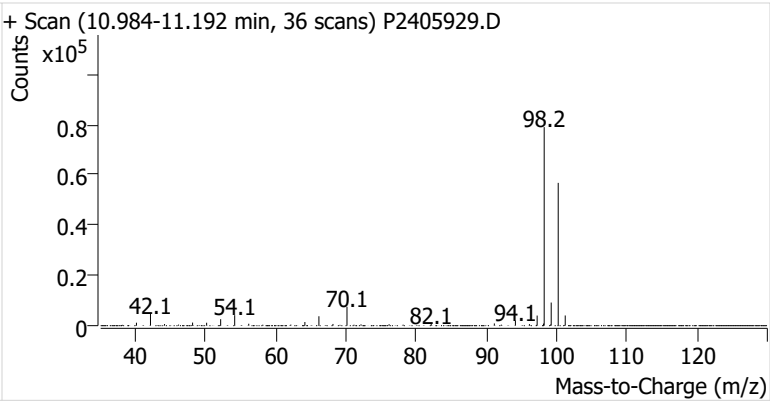
Benzene



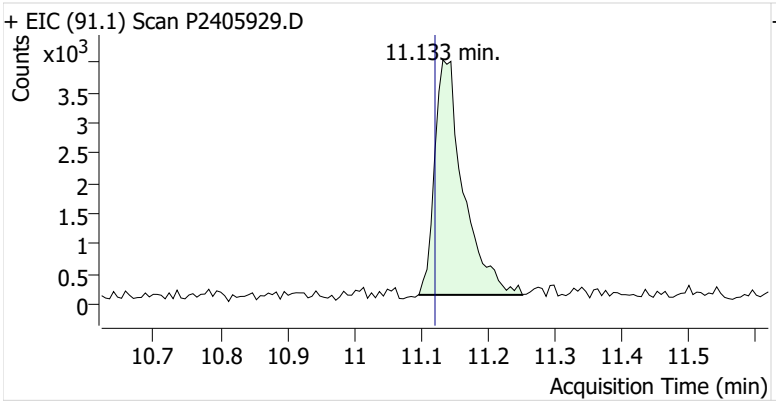


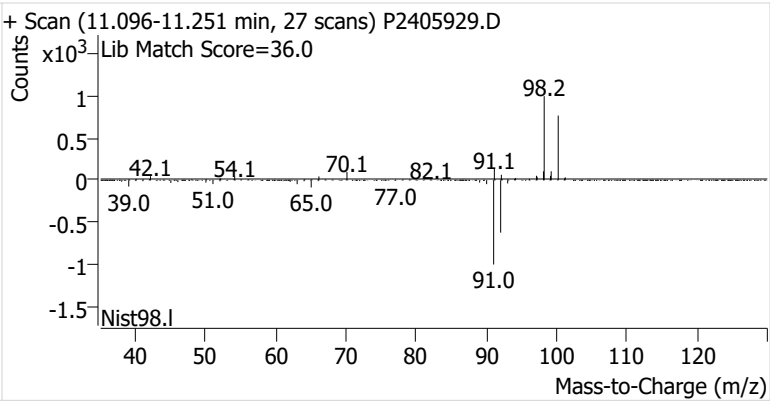
Toluene-d8 (IS)



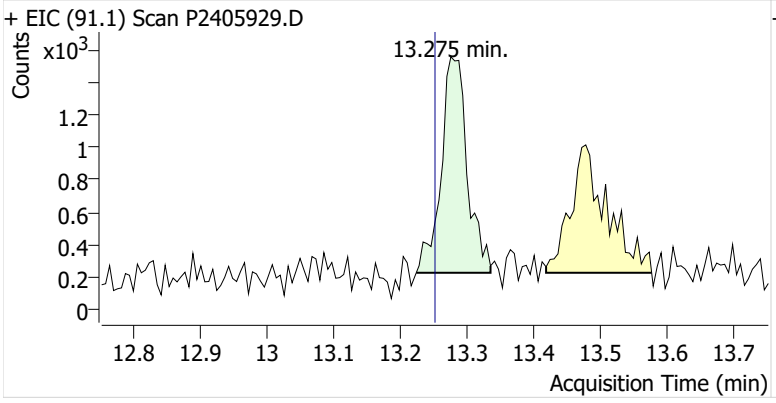


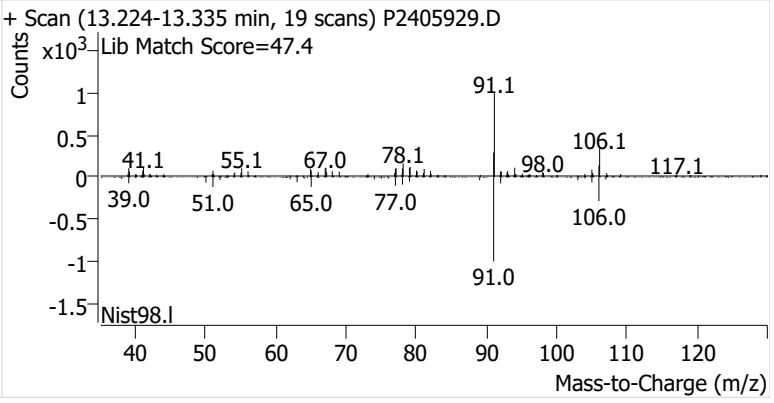
Toluene



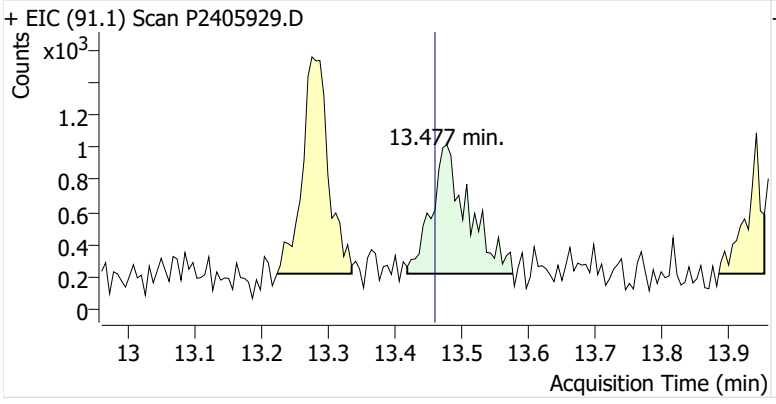


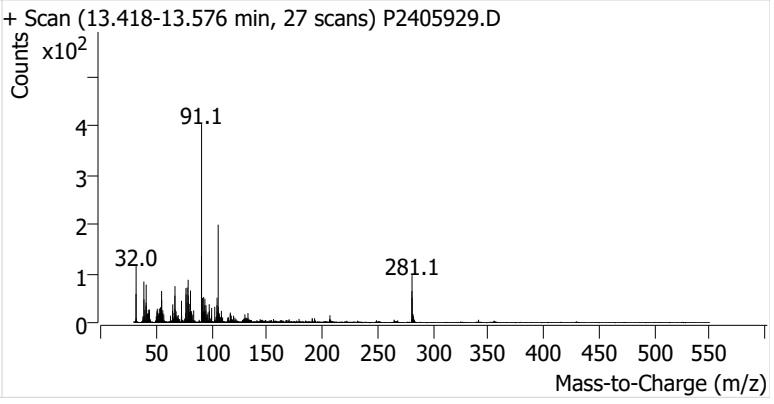
Ethylbenzene



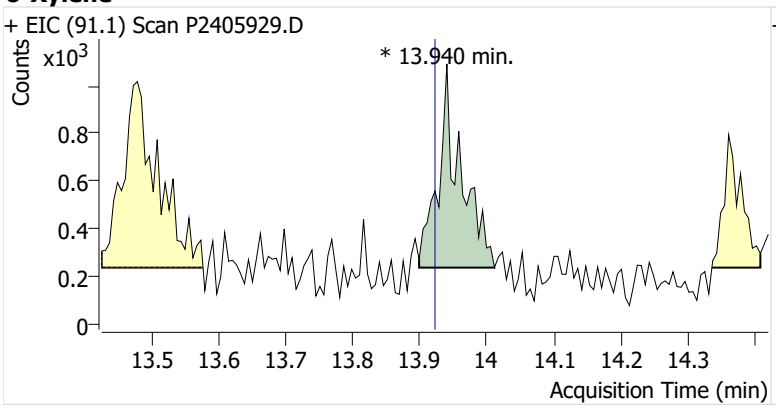


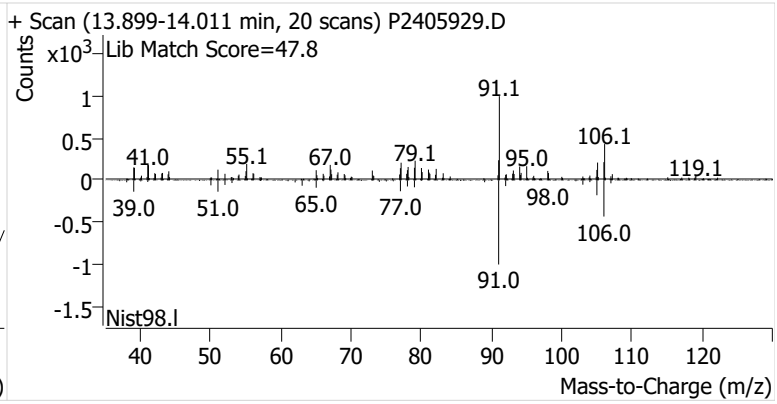
m-/p-Xylene





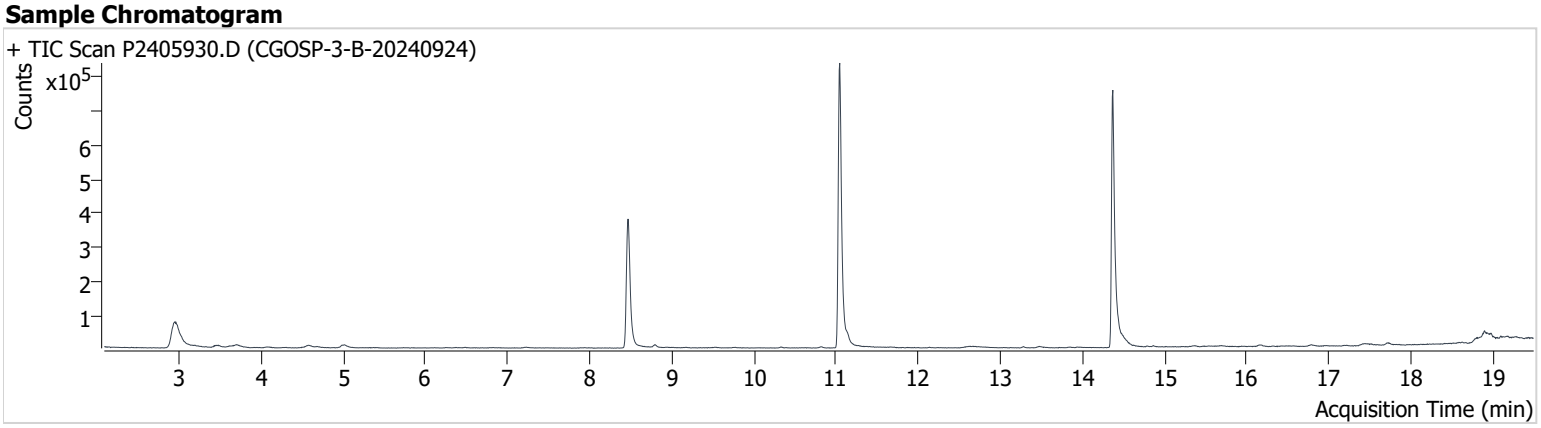
o-Xylene


+ EIC (91.1) Scan P2405929.D
Counts
x10^3
* 13.940 min.
0.8
0.6
0.4
0.2
0
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.899-14.011 min, 20 scans) P2405929.D
Counts
x10^3
Lib Match Score=47.8
91.1
106.1
41.0
55.1
67.0
79.1
95.0
119.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

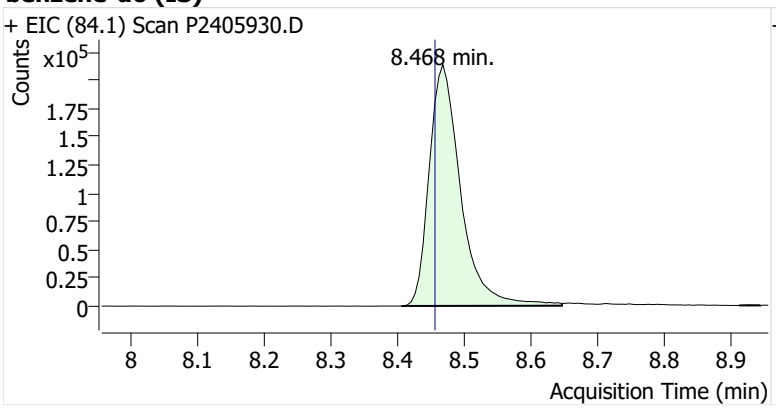
Name	CGOSP-3-B-20240924
Comment	C35844
Data File	P2405930.D
Acq. Date-Time	10/14/2024 6:52:02 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

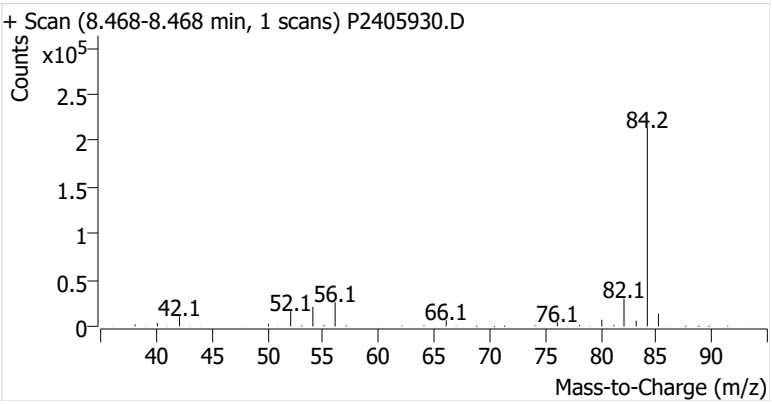
Sample Chromatogram



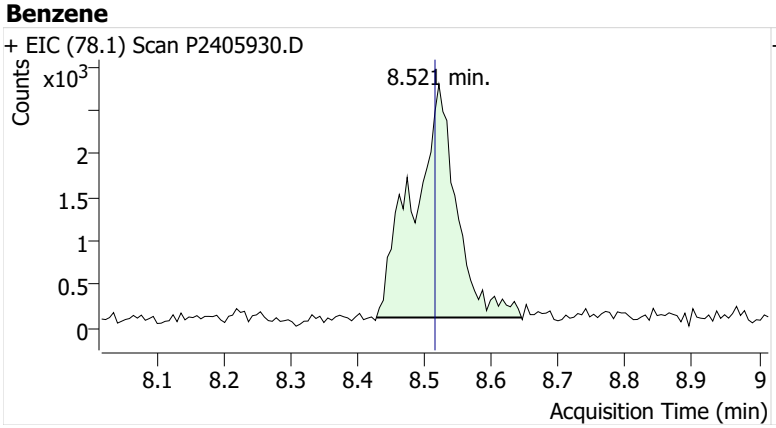
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.468	8.456	698,025	
Benzene	benzene-d6 (IS)	8.521	8.515	12,090	
Toluene-d8 (IS)		11.044	11.032	978,974	
Toluene	Toluene-d8 (IS)	11.139	11.121	27,225	
Ethylbenzene	Toluene-d8 (IS)	13.275	13.252	3,533	
m-/p-Xylene	Toluene-d8 (IS)	13.483	13.459	6,646	
o-Xylene	Toluene-d8 (IS)	13.940	13.922	2,479	

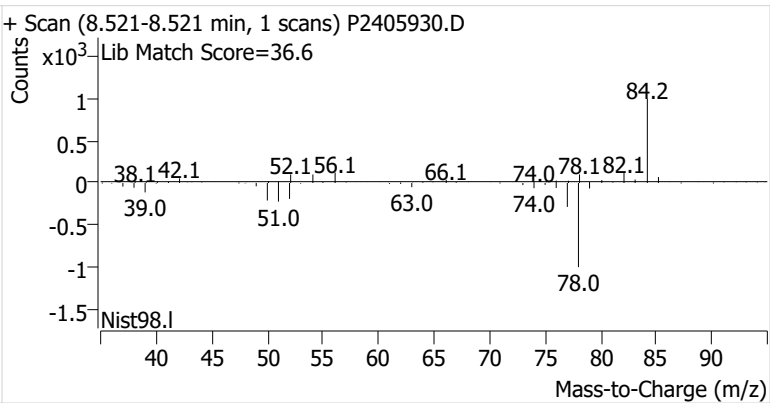
benzene-d6 (IS)



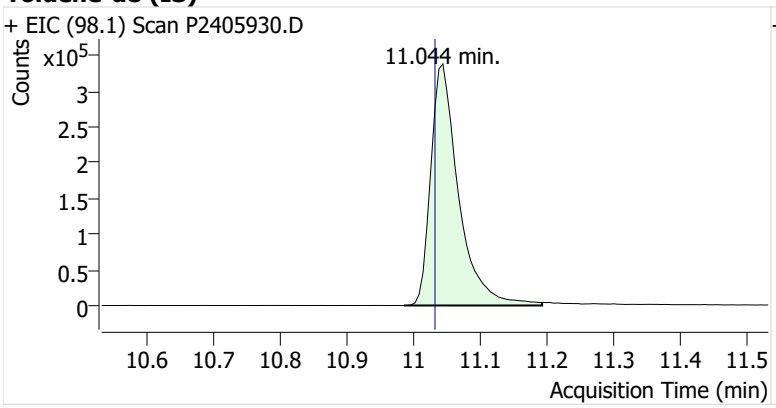


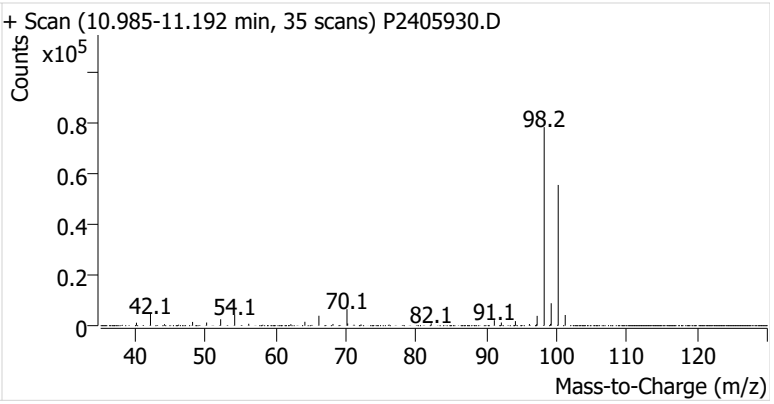
Benzene



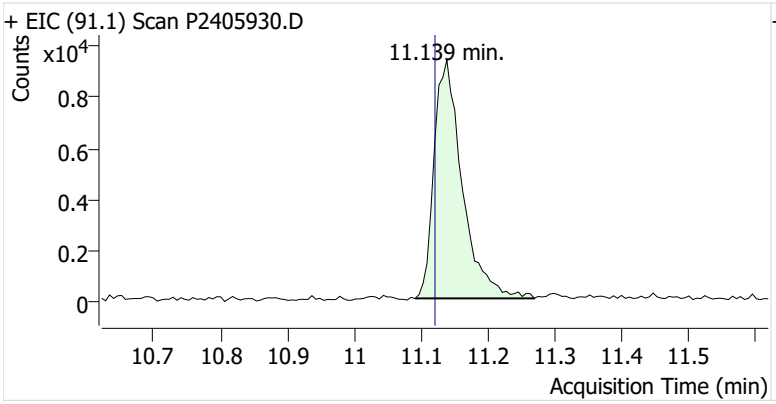


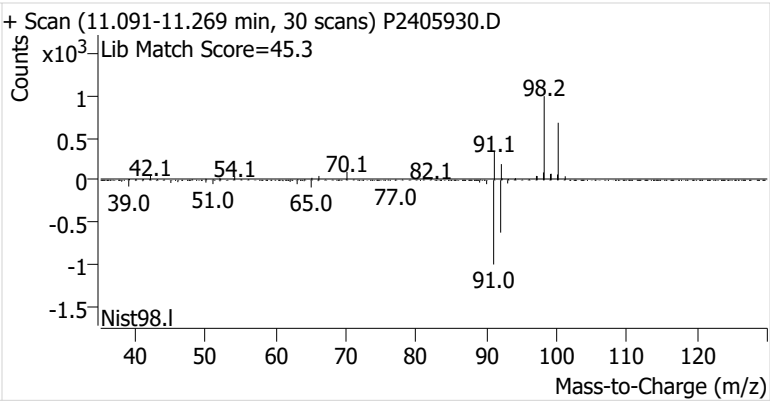
Toluene-d8 (IS)



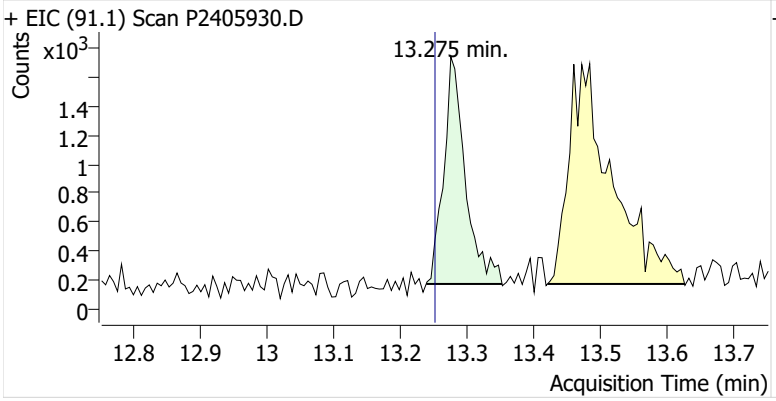


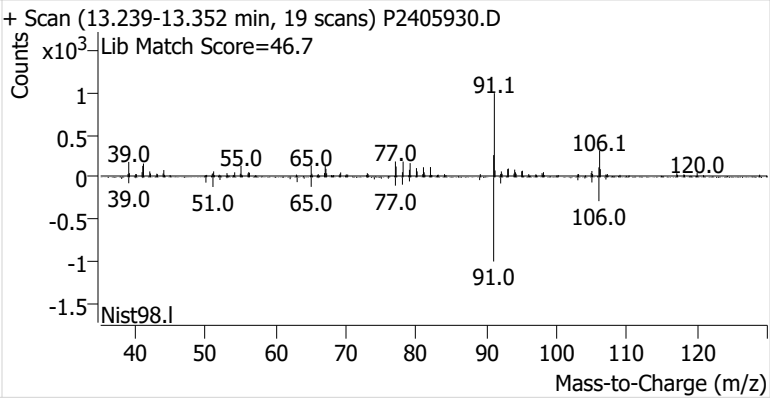
Toluene



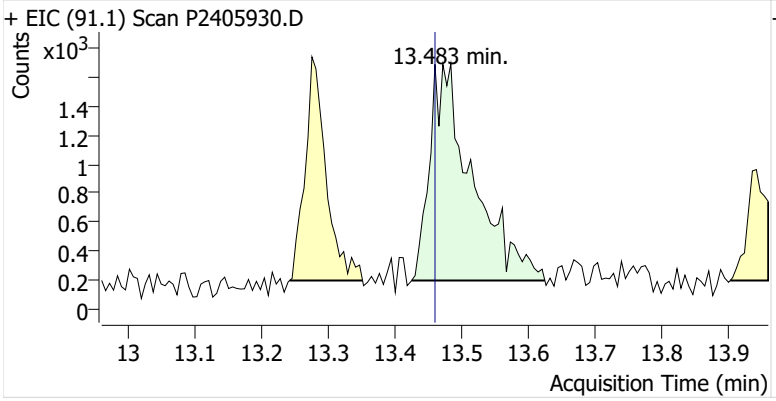


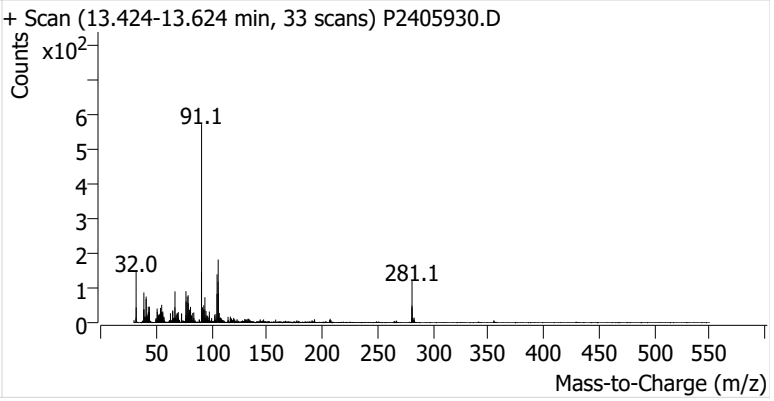
Ethylbenzene



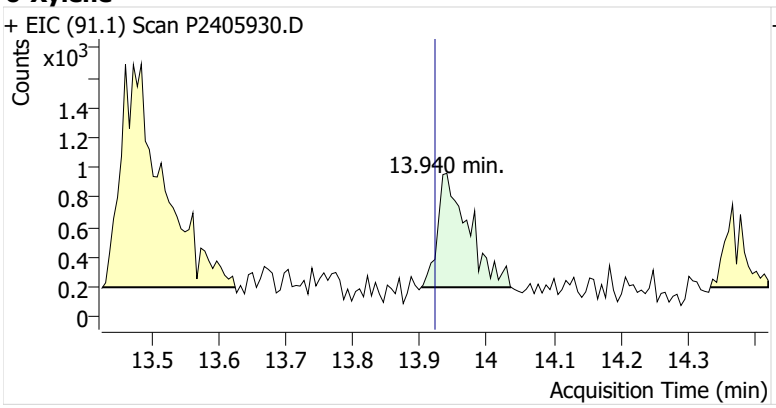


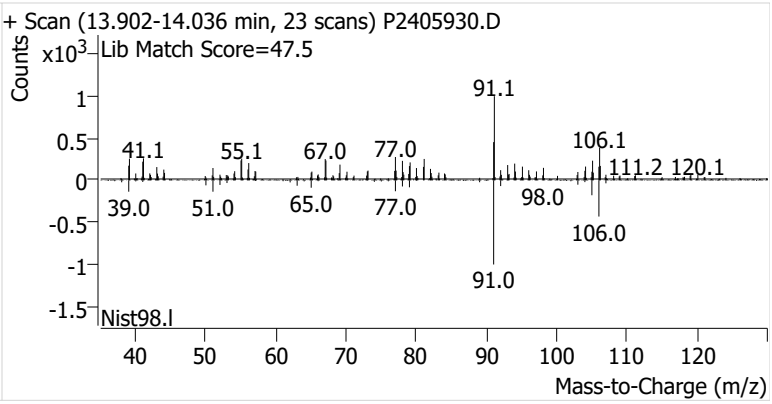
m-/p-Xylene





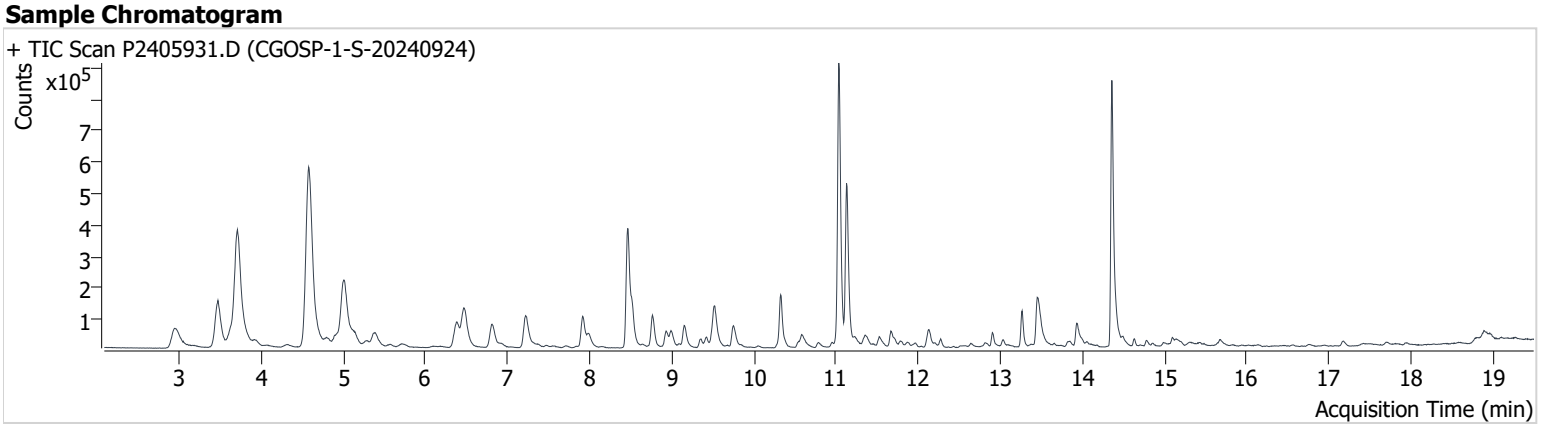
o-Xylene


+ EIC (91.1) Scan P2405930.D
Counts
x10^3
1.4
1.2
1
0.8
0.6
0.4
0.2
0
13.940 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.902-14.036 min, 23 scans) P2405930.D
Lib Match Score=47.5
Counts
x10^3
1
0.5
0
-0.5
-1
-1.5
91.1
41.1
55.1
67.0
77.0
106.1
111.2
120.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

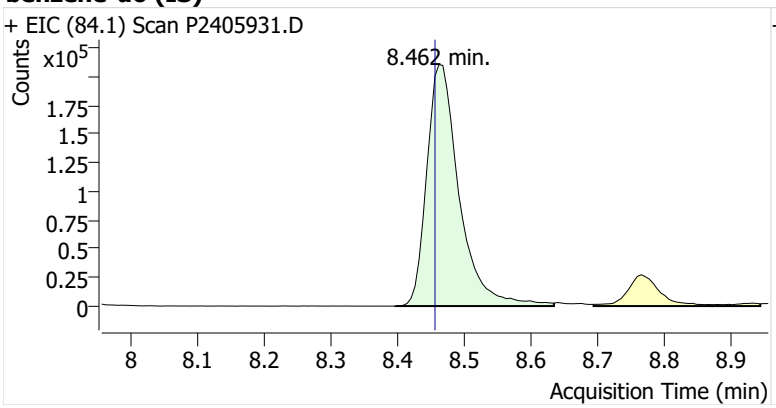
Name	CGOSP-1-S-20240924
Comment	B52748
Data File	P2405931.D
Acq. Date-Time	10/14/2024 7:29:21 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

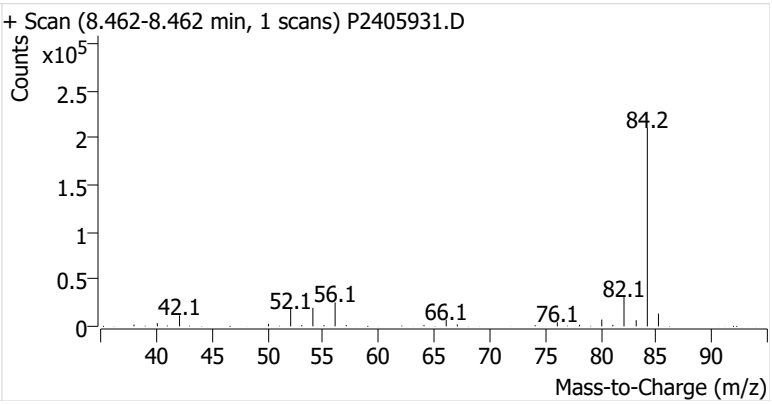
Sample Chromatogram



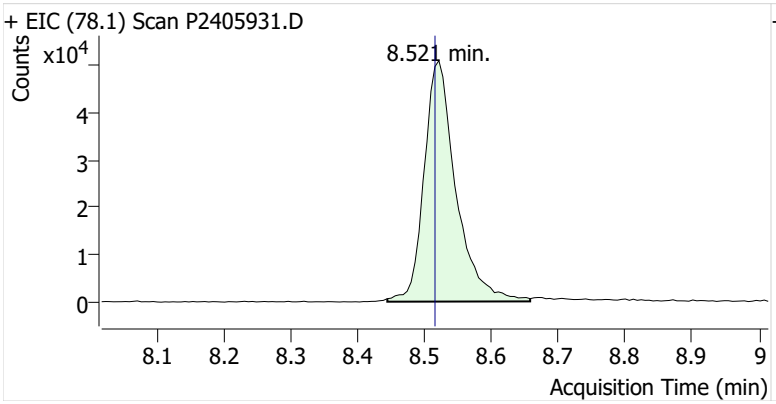
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.462	8.456	709,198	
Benzene	benzene-d6 (IS)	8.521	8.515	168,266	
Toluene-d8 (IS)		11.032	11.032	952,301	
Toluene	Toluene-d8 (IS)	11.127	11.121	549,381	
Ethylbenzene	Toluene-d8 (IS)	13.263	13.252	123,604	
m-/p-Xylene	Toluene-d8 (IS)	13.453	13.459	263,519	
o-Xylene	Toluene-d8 (IS)	13.934	13.922	100,491	

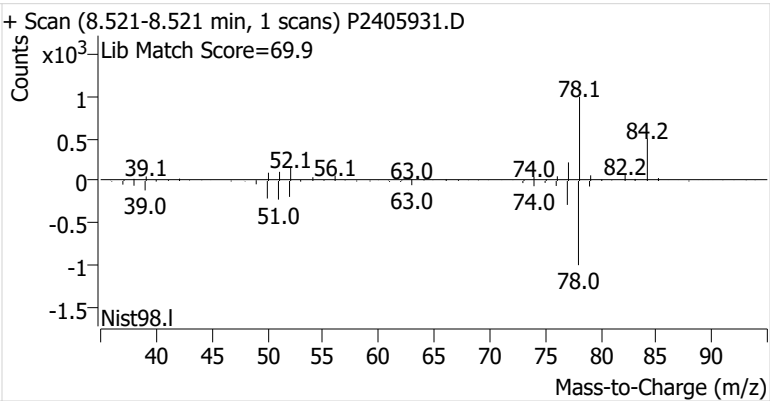
benzene-d6 (IS)



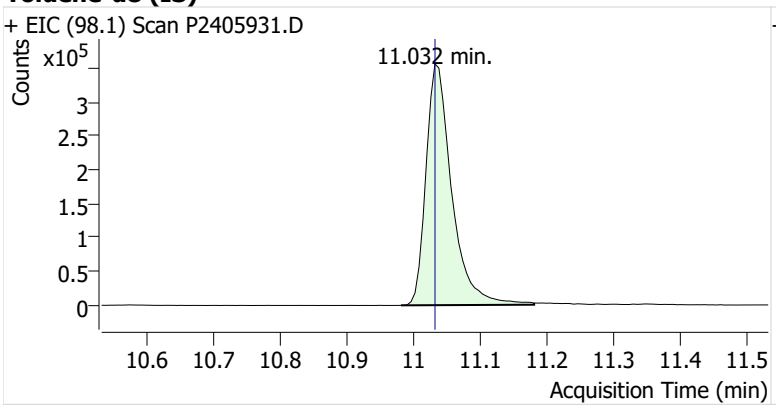


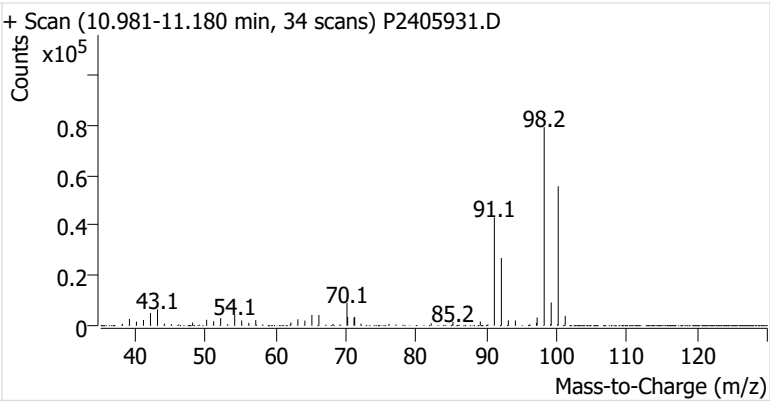
Benzene



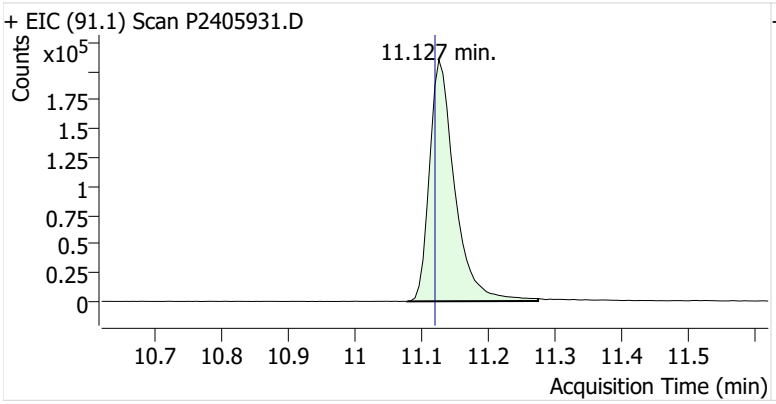


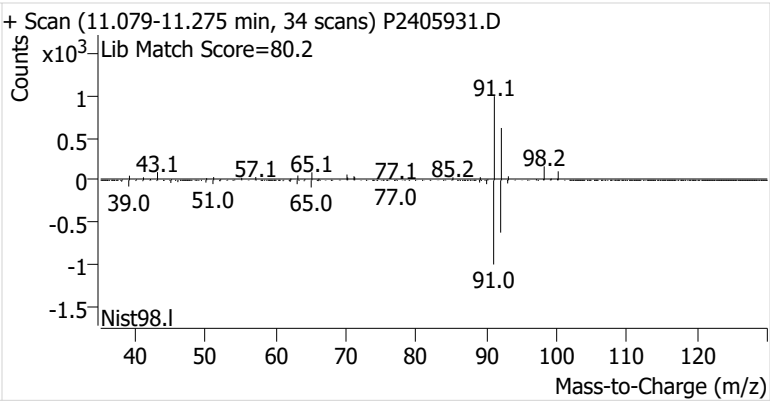
Toluene-d8 (IS)



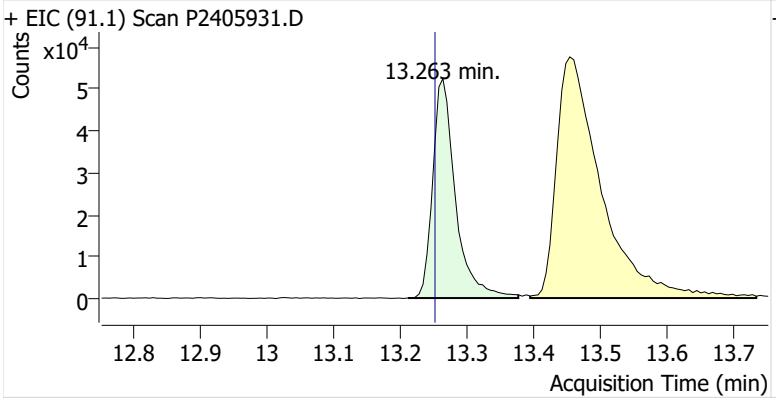


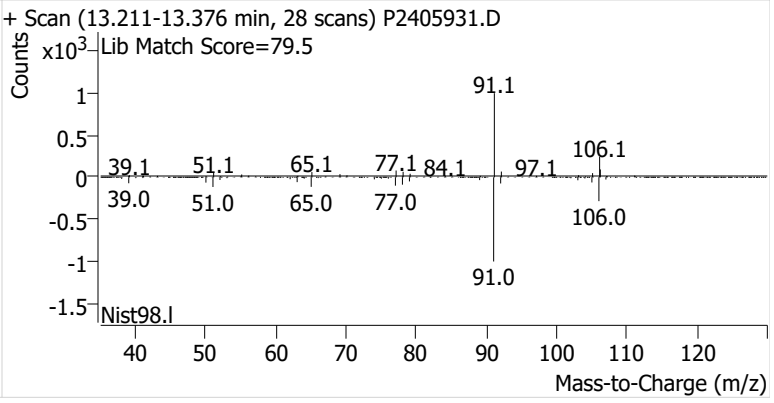
Toluene



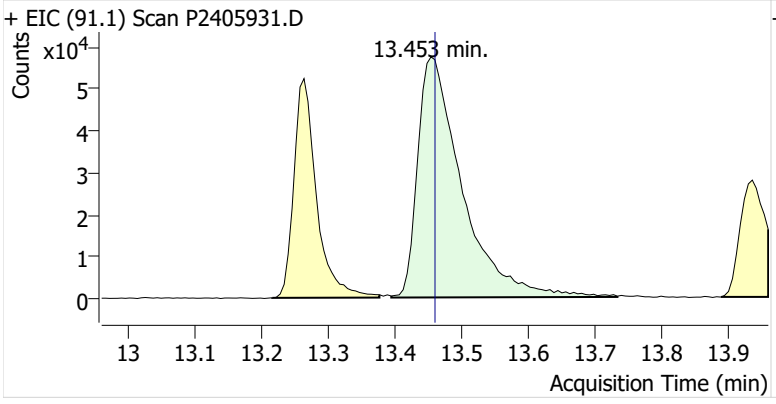


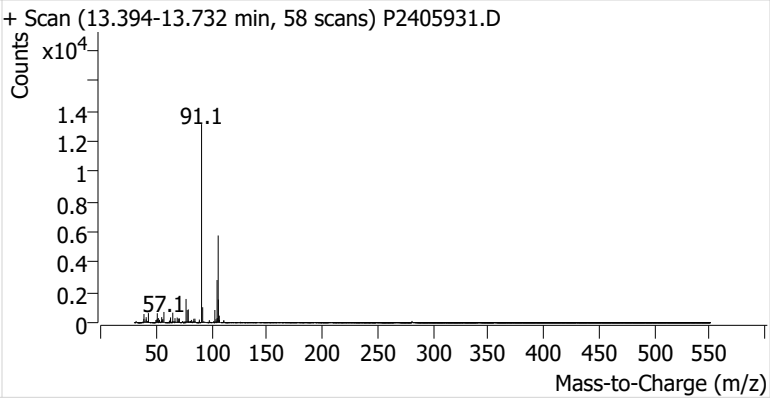
Ethylbenzene



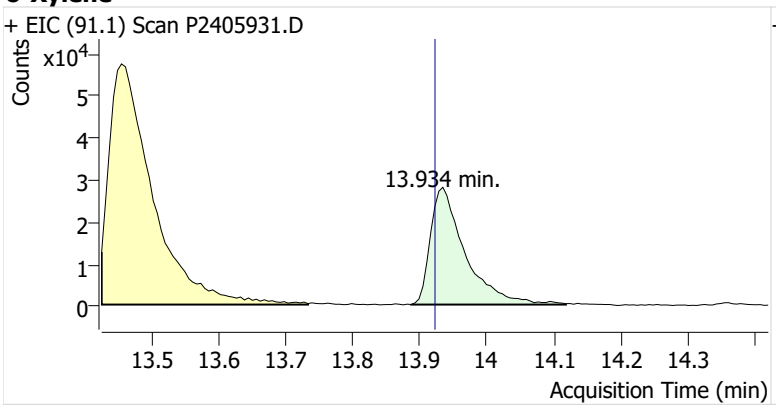


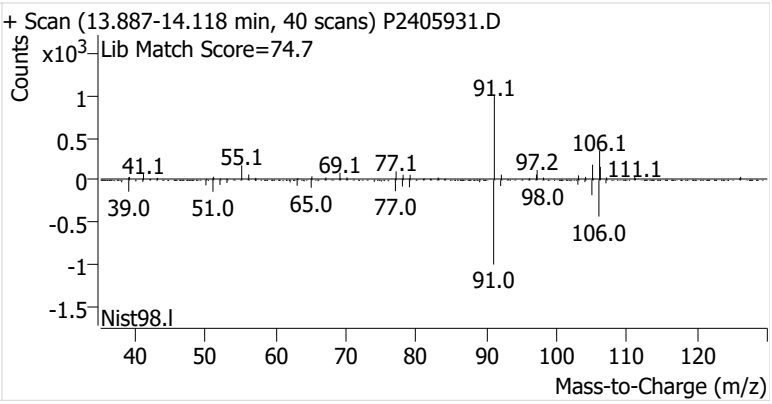
m-/p-Xylene





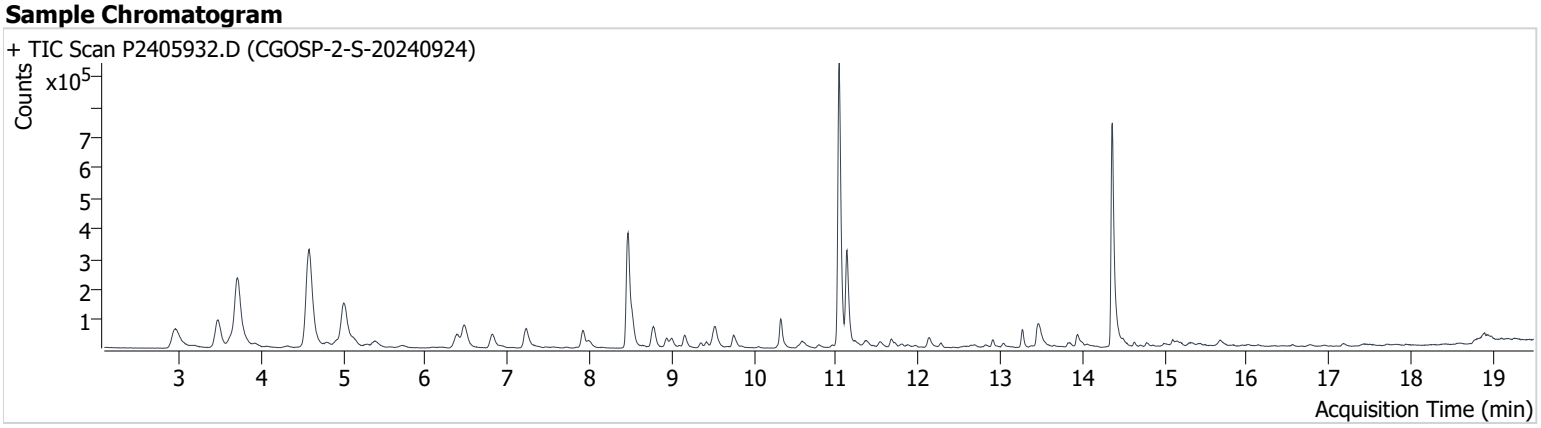
o-Xylene


+ EIC (91.1) Scan P2405931.D
Counts
x10^4
5
4
3
2
1
0
13.934 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.887-14.118 min, 40 scans) P2405931.D
Lib Match Score=74.7
Counts
x10^3
1
0.5
0
-0.5
-1
-1.5
91.1
106.1
41.1
55.1
69.1
77.1
97.2
111.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

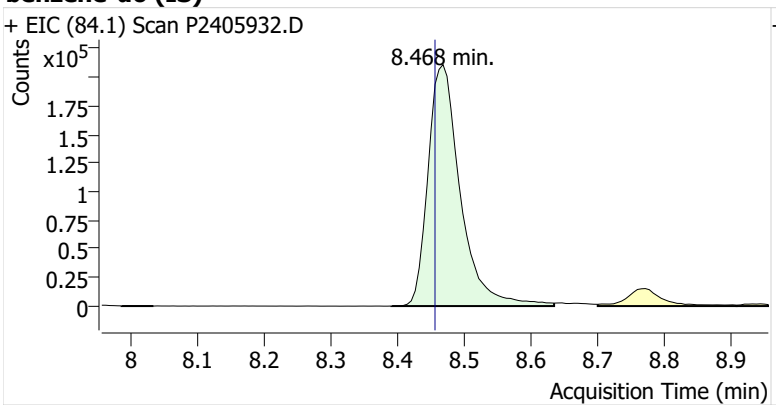
Name	CGOSP-2-S-20240924
Comment	B35911
Data File	P2405932.D
Acq. Date-Time	10/14/2024 8:06:39 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

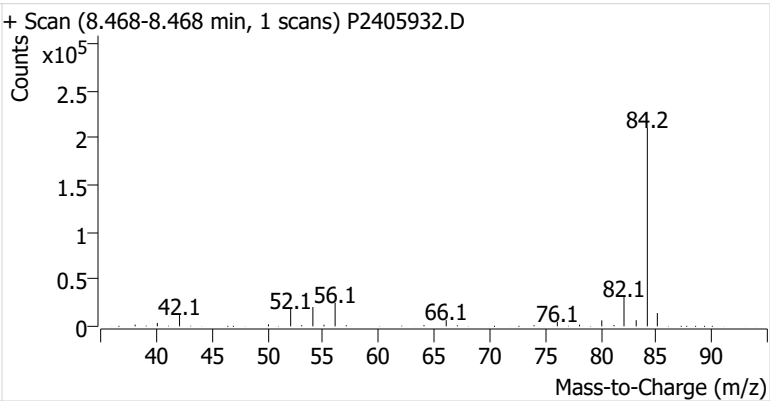
Sample Chromatogram



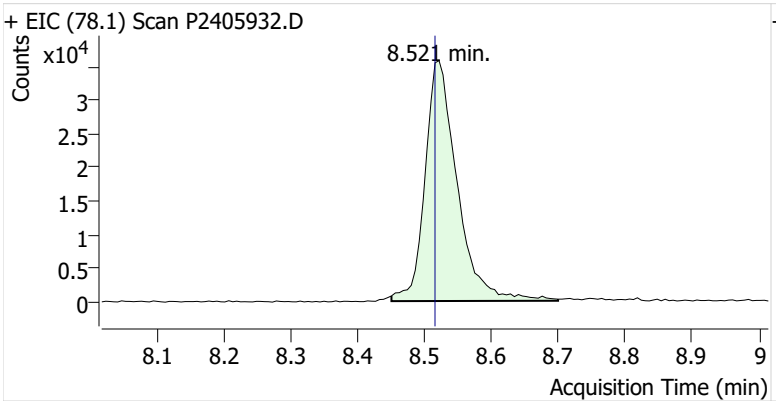
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.468	8.456	707,942	
Benzene	benzene-d6 (IS)	8.521	8.515	119,340	
Toluene-d8 (IS)		11.038	11.032	1,010,680	
Toluene	Toluene-d8 (IS)	11.133	11.121	336,478	
Ethylbenzene	Toluene-d8 (IS)	13.264	13.252	63,535	
m-/p-Xylene	Toluene-d8 (IS)	13.465	13.459	134,011	
o-Xylene	Toluene-d8 (IS)	13.934	13.922	55,757	

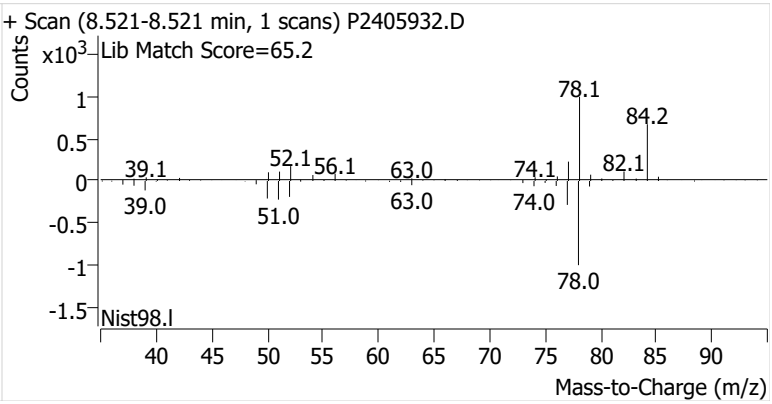
benzene-d6 (IS)



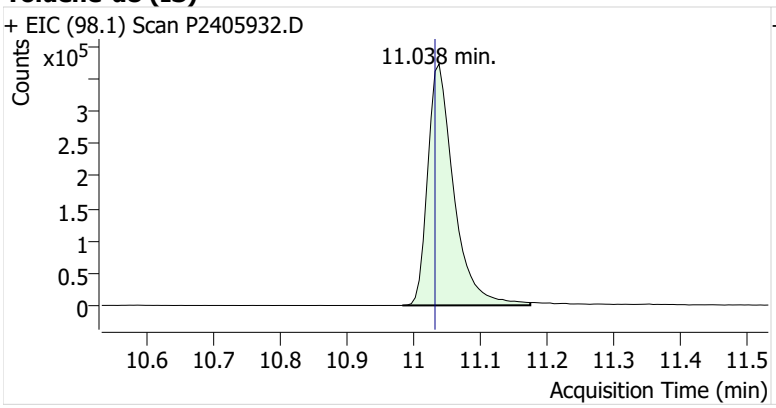


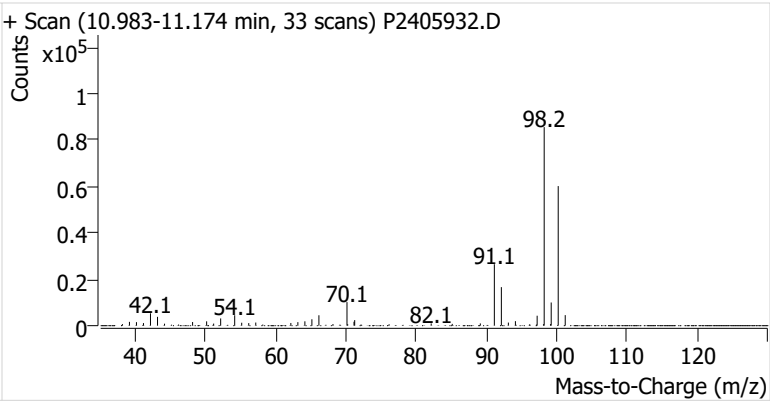
Benzene



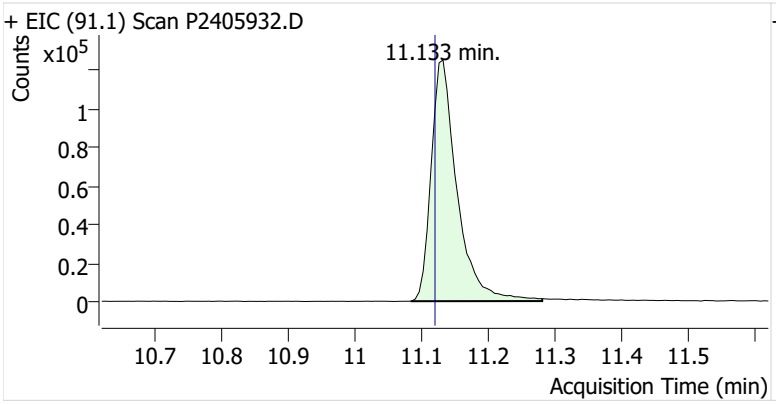


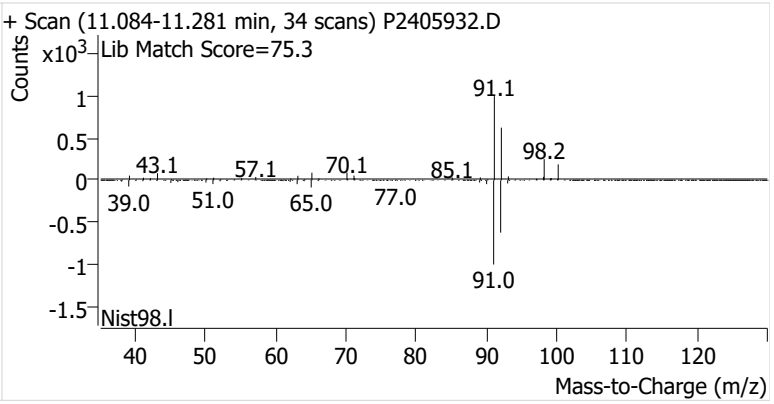
Toluene-d8 (IS)



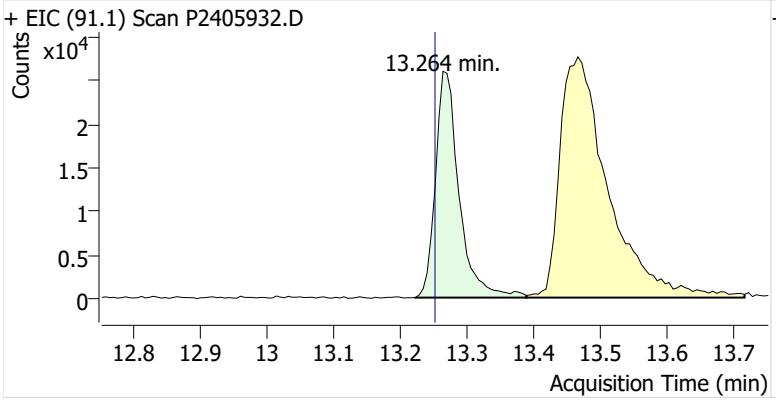


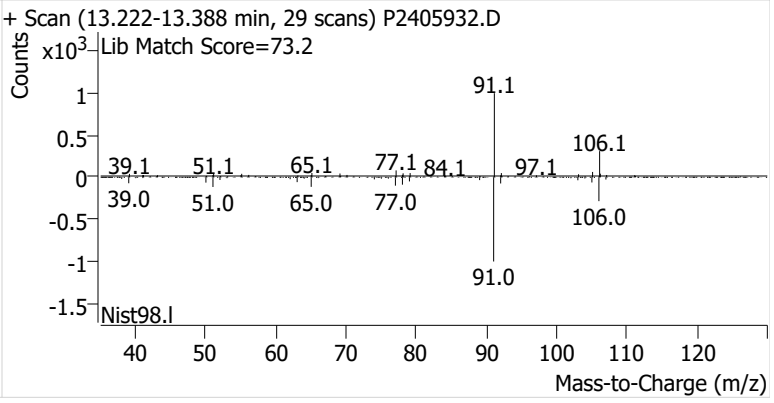
Toluene



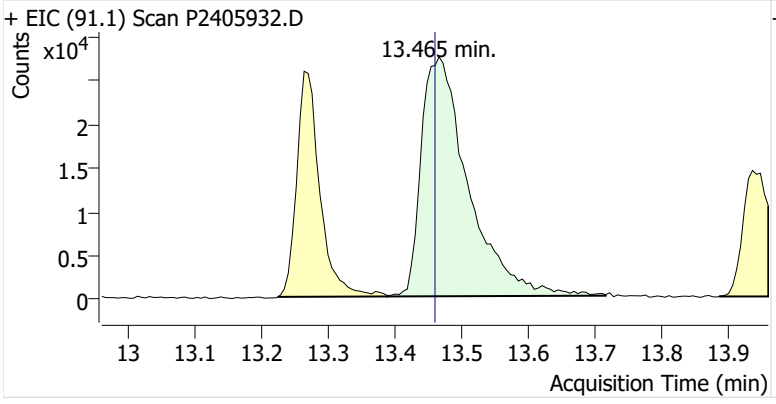


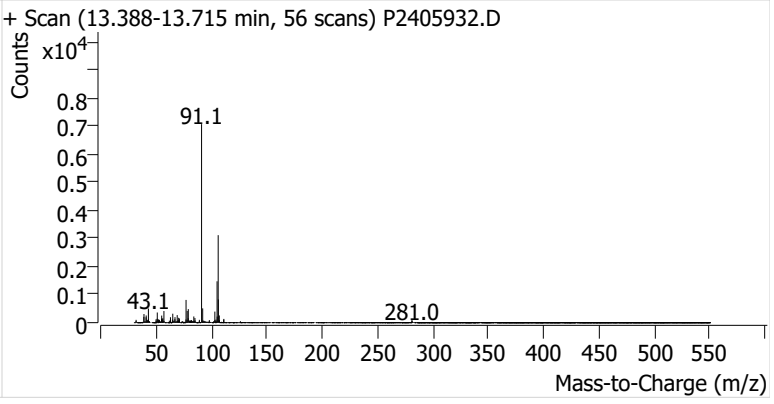
Ethylbenzene



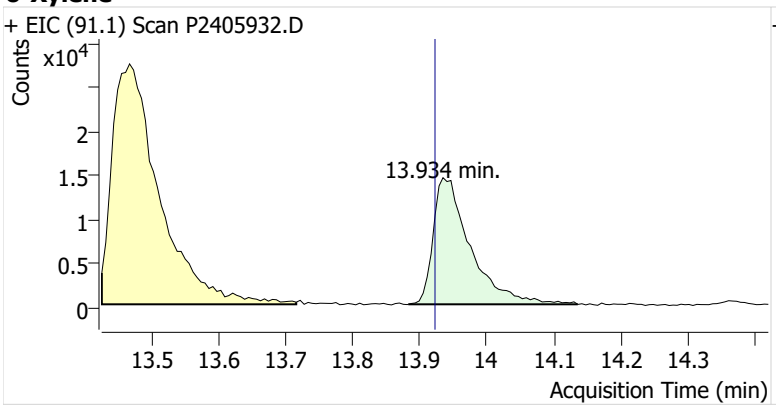


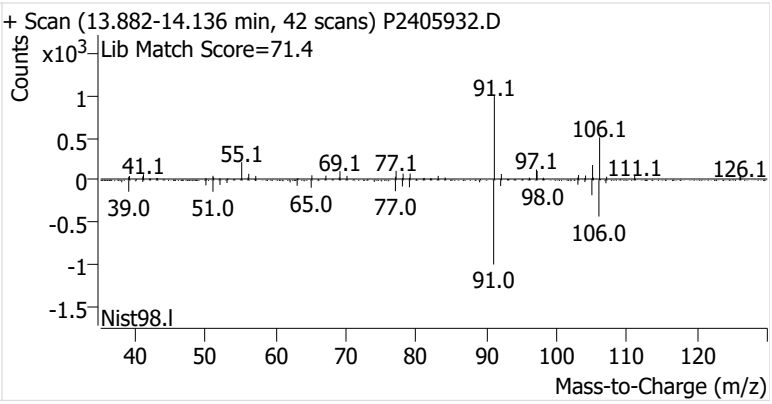
m-/p-Xylene





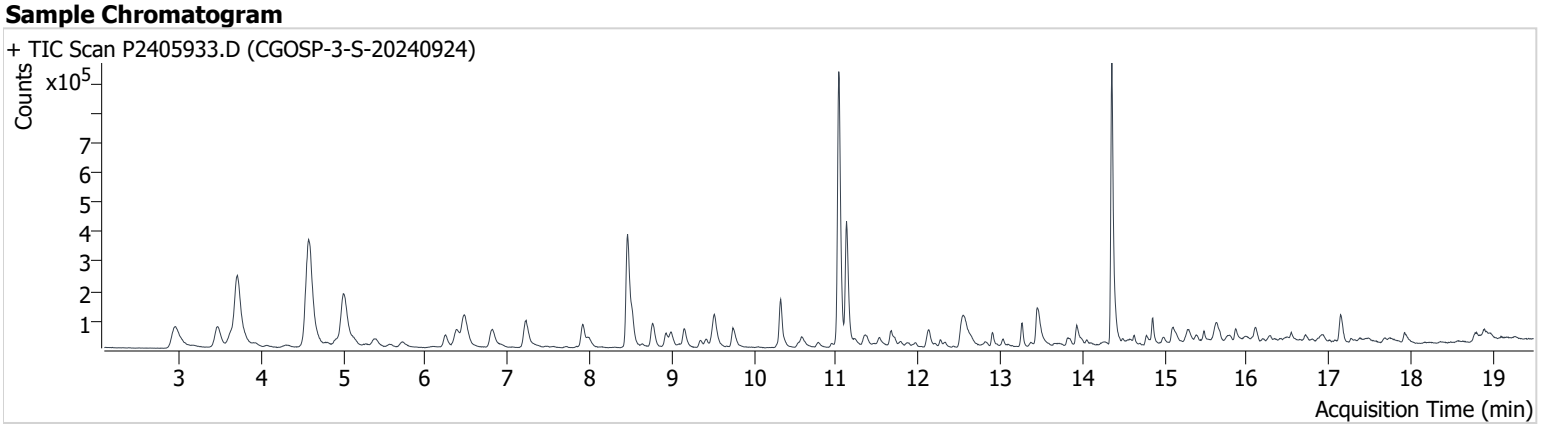
o-Xylene


+ EIC (91.1) Scan P2405932.D
Counts
x10^4
2
1.5
1
0.5
0
13.934 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.882-14.136 min, 42 scans) P2405932.D
Counts
x10^3
Lib Match Score=71.4
1
0.5
0
-0.5
-1
-1.5
91.1
106.1
41.1
55.1
69.1
77.1
97.1
111.1
126.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

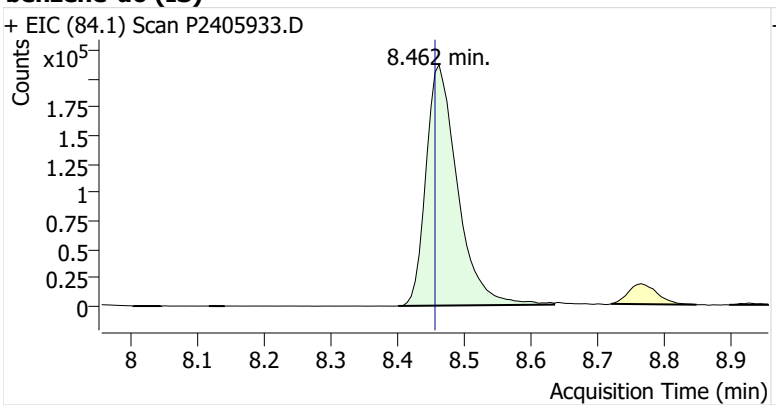
Name	CGOSP-3-S-20240924
Comment	C53632
Data File	P2405933.D
Acq. Date-Time	10/14/2024 8:43:54 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

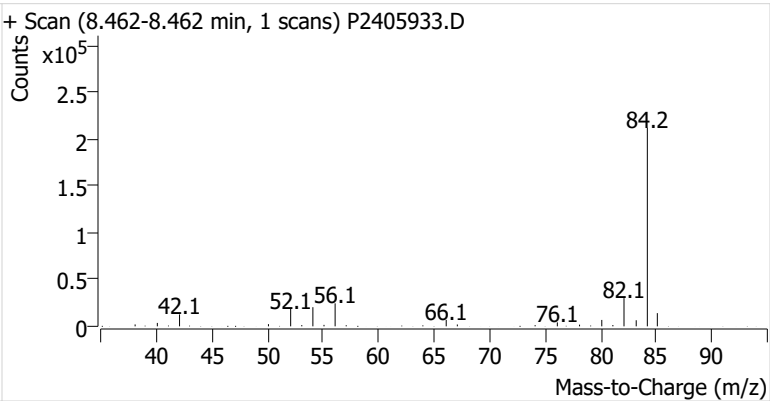
Sample Chromatogram



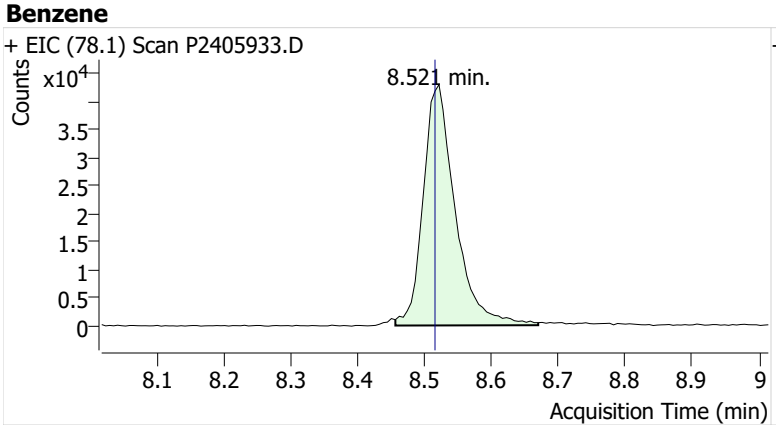
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.462	8.456	694,550	
Benzene	benzene-d6 (IS)	8.521	8.515	142,300	
Toluene-d8 (IS)		11.032	11.032	978,624	
Toluene	Toluene-d8 (IS)	11.127	11.121	436,259	
Ethylbenzene	Toluene-d8 (IS)	13.264	13.252	79,044	
m-/p-Xylene	Toluene-d8 (IS)	13.448	13.459	194,074	
o-Xylene	Toluene-d8 (IS)	13.928	13.922	76,482	

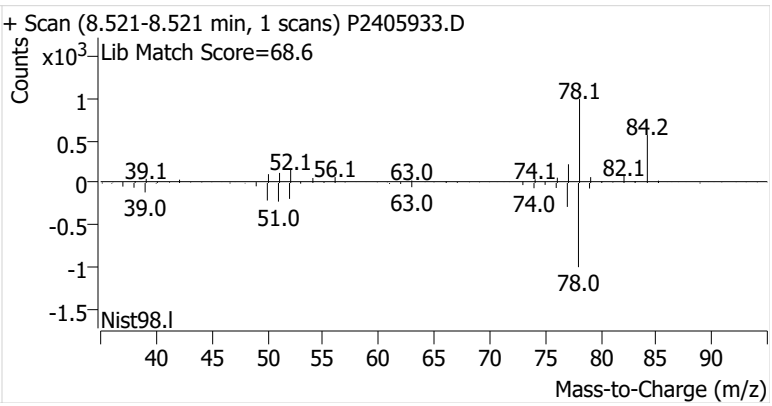
benzene-d6 (IS)



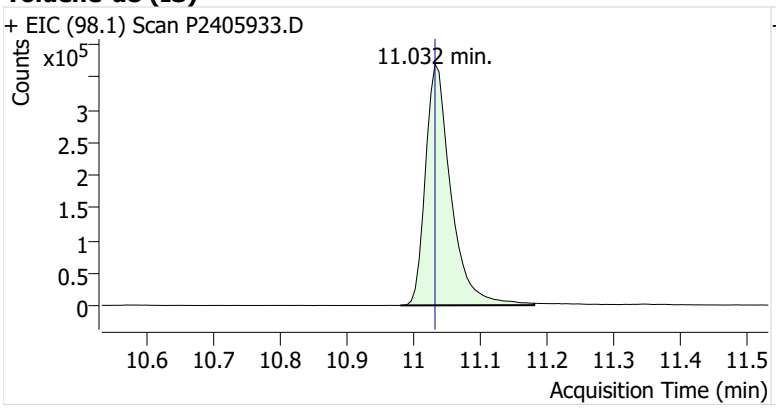


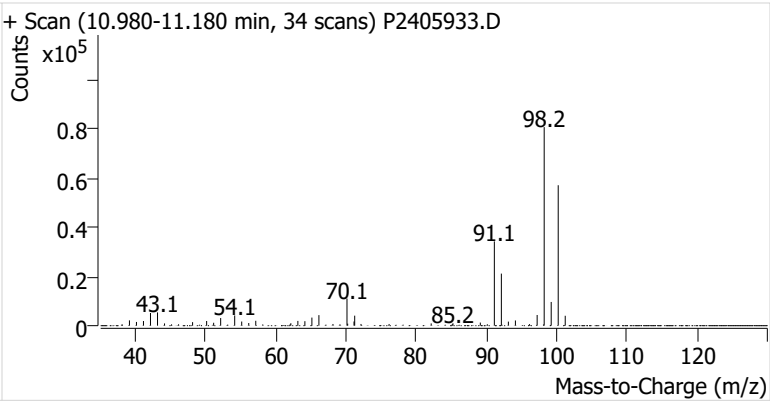
Benzene



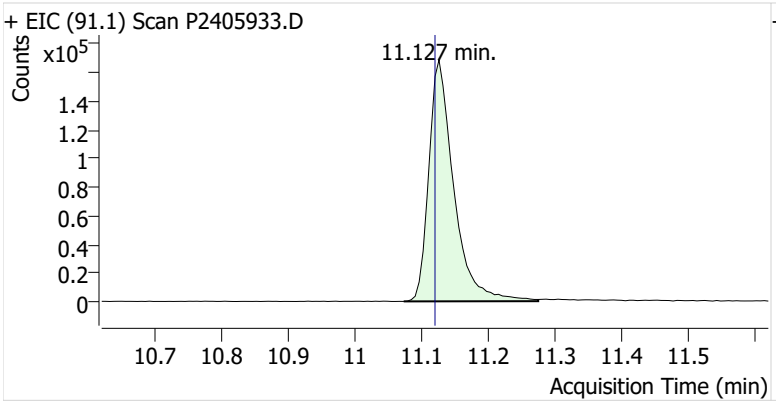


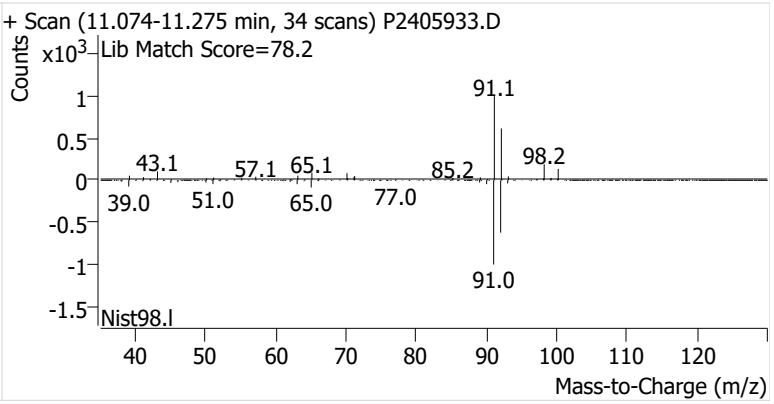
Toluene-d8 (IS)



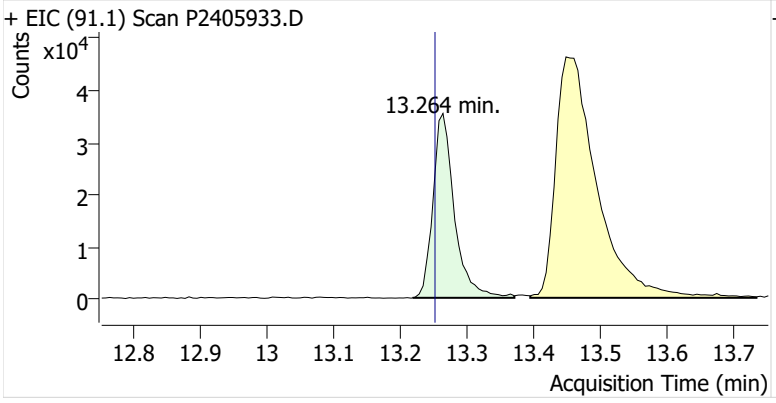


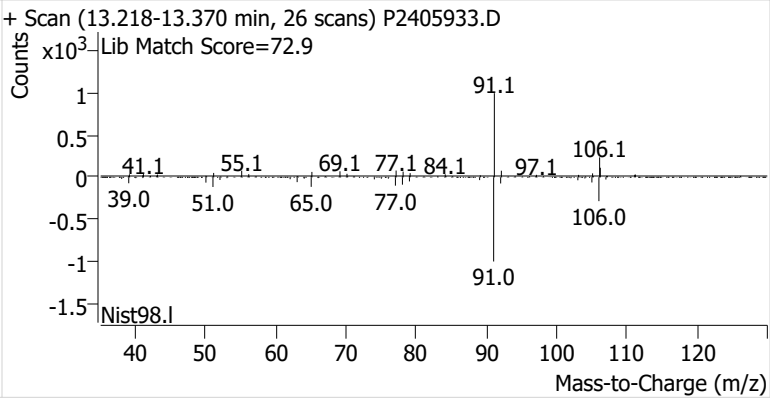
Toluene



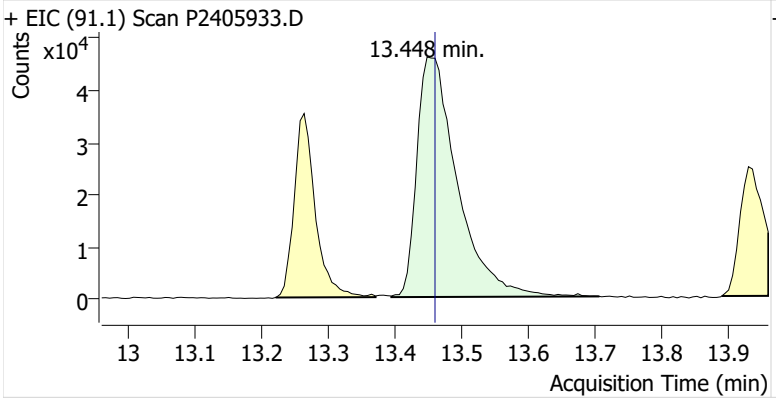


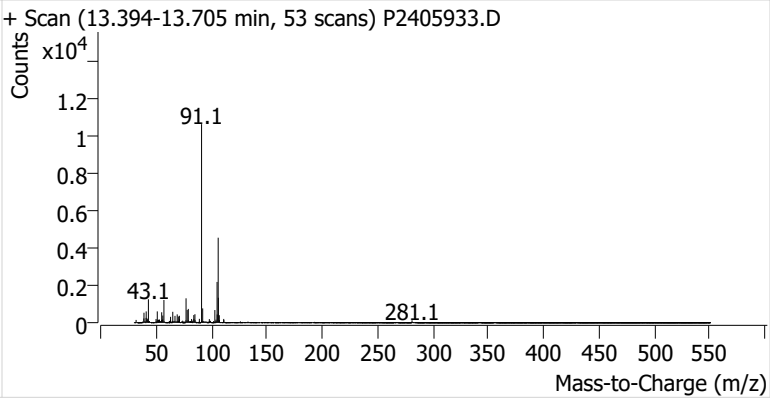
Ethylbenzene



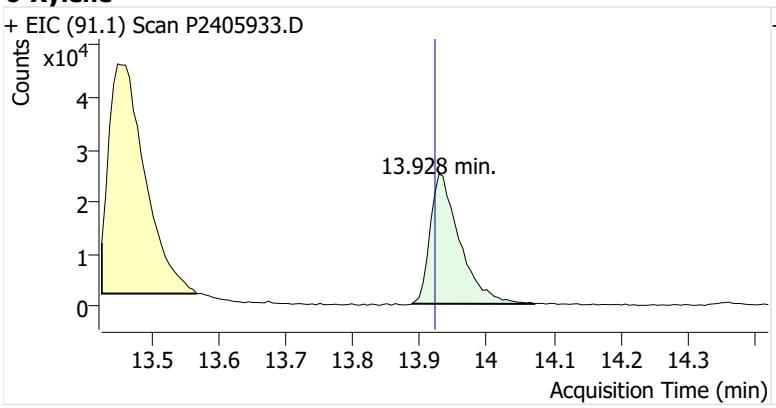


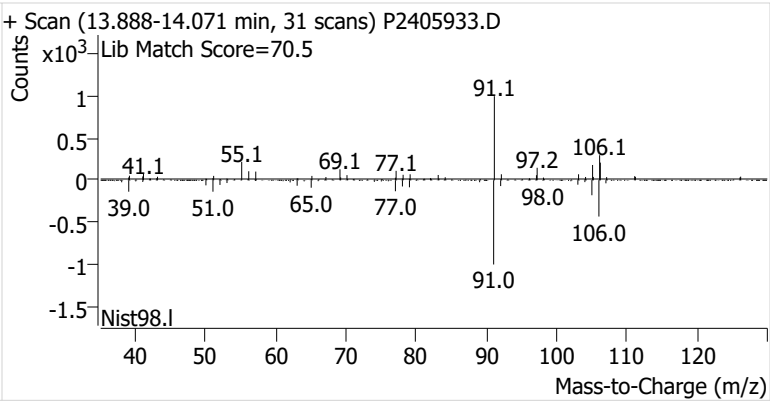
m-/p-Xylene





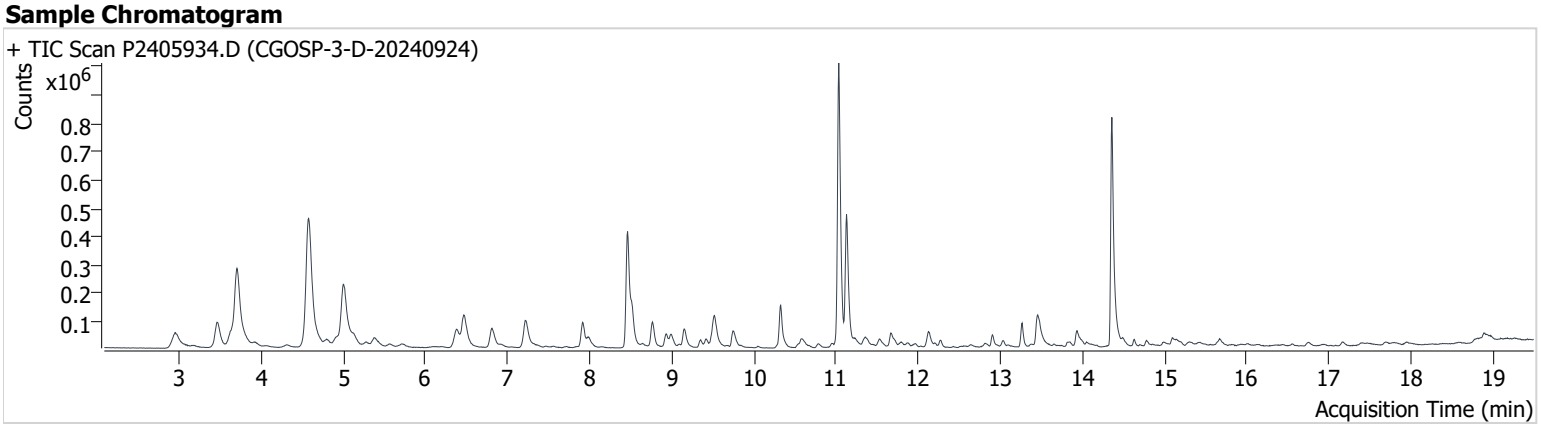
o-Xylene


+ EIC (91.1) Scan P2405933.D
Counts
x10^4
4
3
2
1
0
13.928 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.888-14.071 min, 31 scans) P2405933.D
Counts
x10^3
Lib Match Score=70.5
1
0.5
0
-0.5
-1
-1.5
91.1
41.1
55.1
69.1
77.1
97.2
106.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

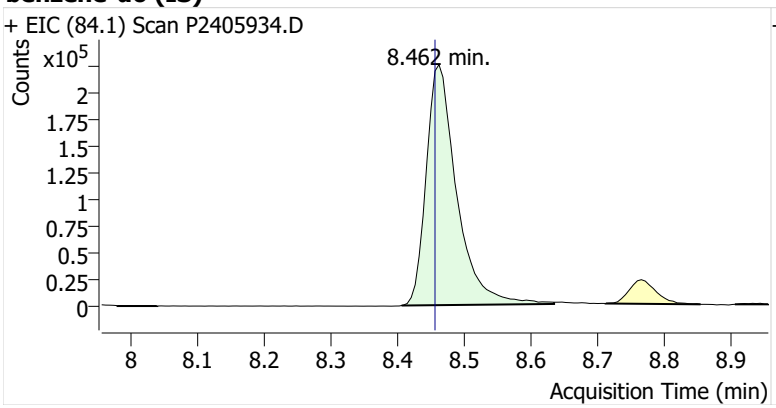
Name	CGOSP-3-D-20240924
Comment	B14962
Data File	P2405934.D
Acq. Date-Time	10/14/2024 9:21:13 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

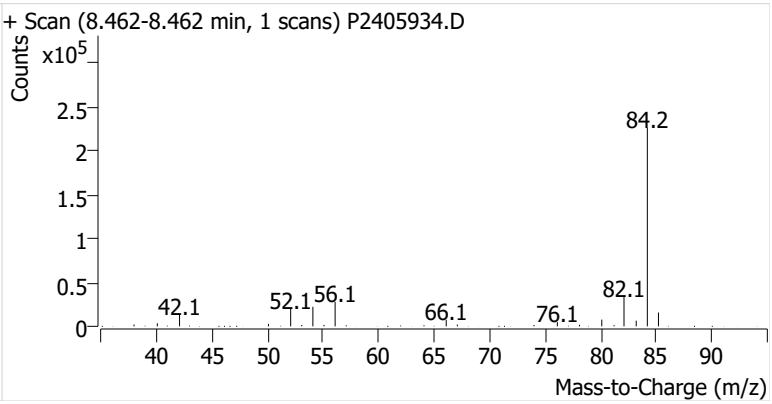
Sample Chromatogram



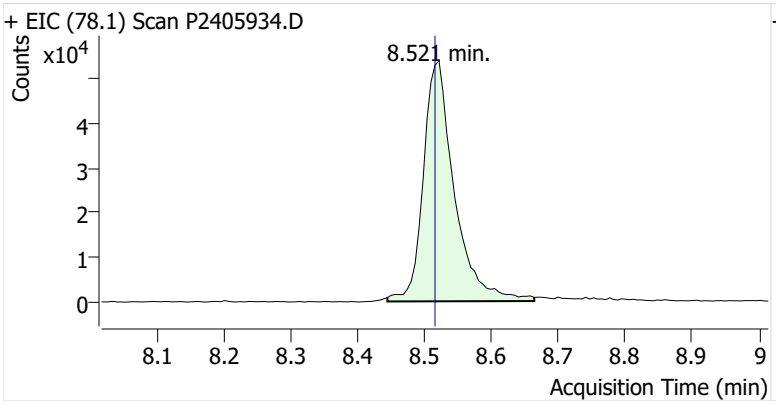
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.462	8.456	711,861	
Benzene	benzene-d6 (IS)	8.521	8.515	173,535	
Toluene-d8 (IS)		11.032	11.032	1,048,761	
Toluene	Toluene-d8 (IS)	11.127	11.121	484,167	
Ethylbenzene	Toluene-d8 (IS)	13.264	13.252	87,657	
m-/p-Xylene	Toluene-d8 (IS)	13.453	13.459	187,540	
o-Xylene	Toluene-d8 (IS)	13.928	13.922	74,367	

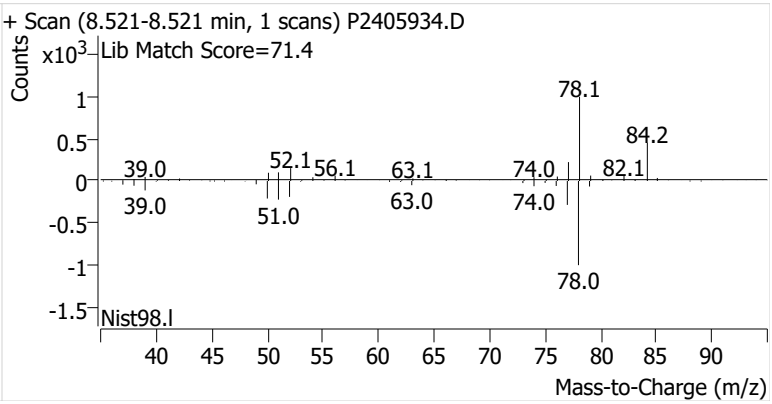
benzene-d6 (IS)



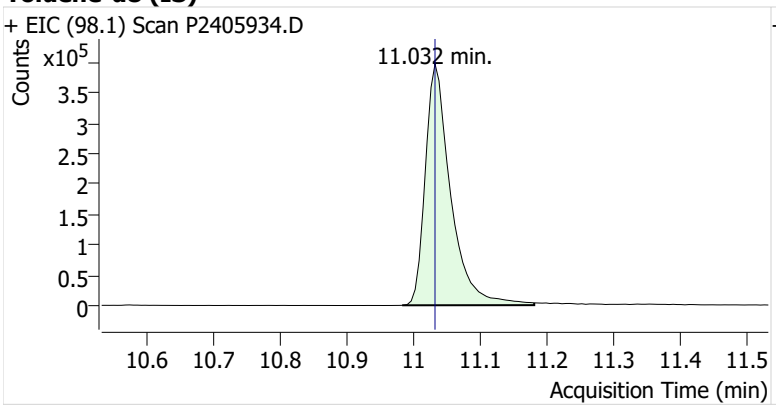


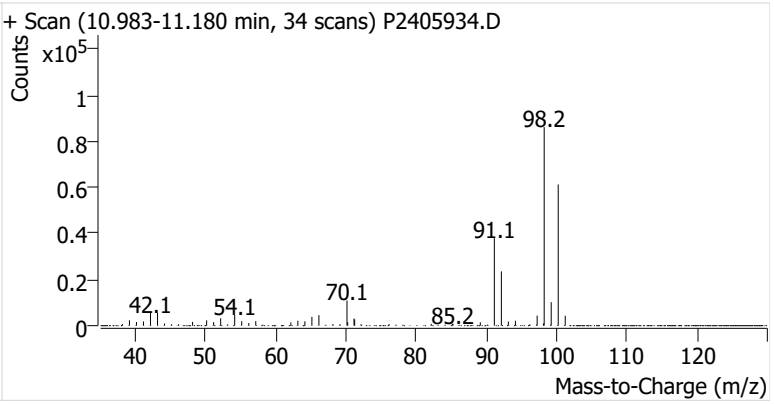
Benzene



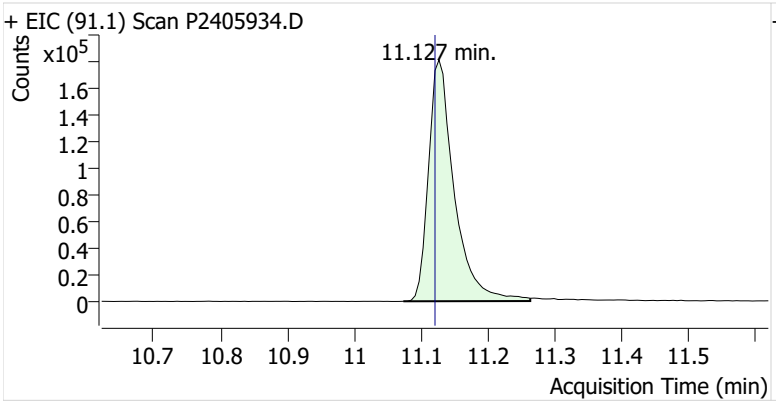


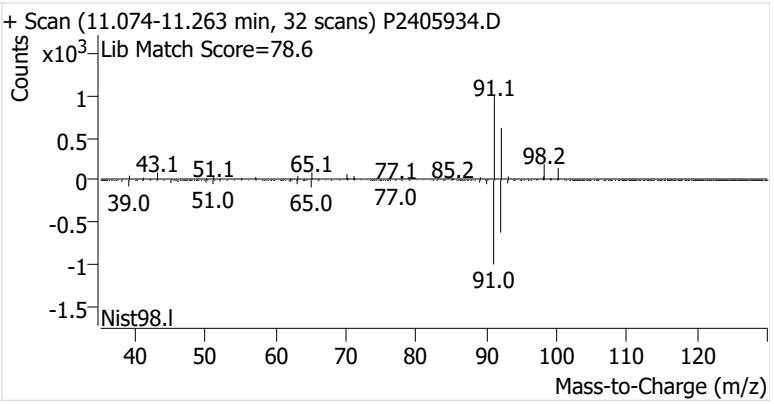
Toluene-d8 (IS)



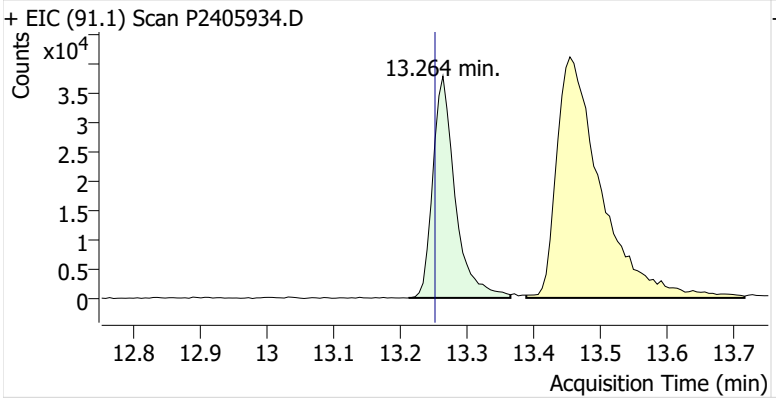


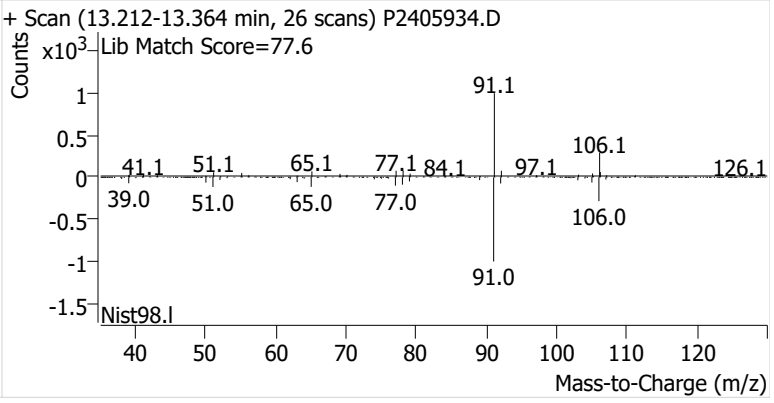
Toluene



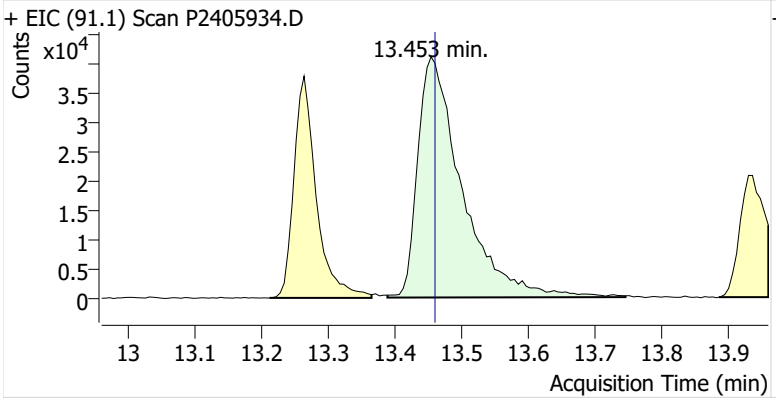


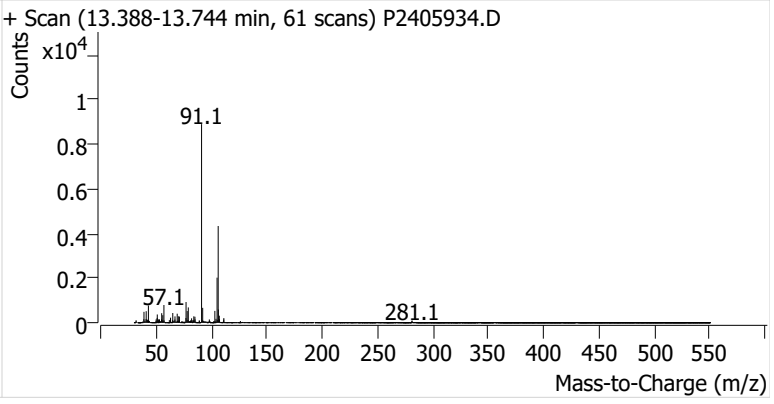
Ethylbenzene



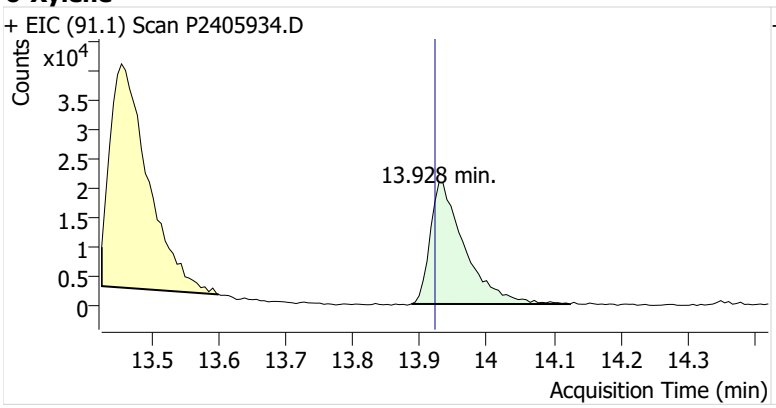


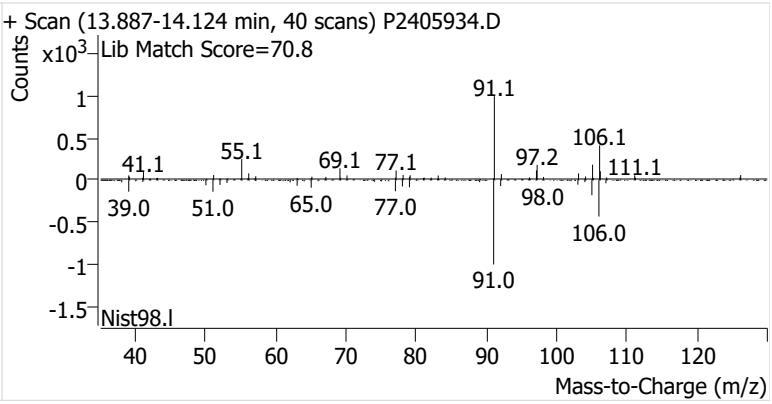
m-/p-Xylene





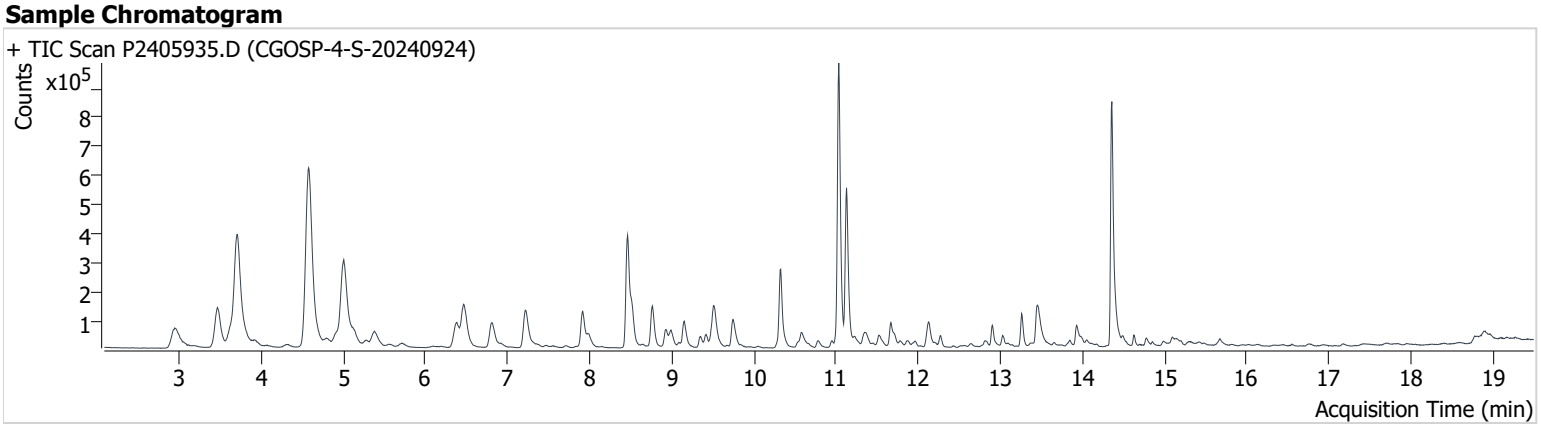
o-Xylene


+ EIC (91.1) Scan P2405934.D
Counts
x10^4
3.5
3
2.5
2
1.5
1
0.5
0
13.928 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.887-14.124 min, 40 scans) P2405934.D
Lib Match Score=70.8
Counts
x10^3
1
0.5
0
-0.5
-1
-1.5
91.1
106.1
41.1
55.1
69.1
77.1
97.2
111.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

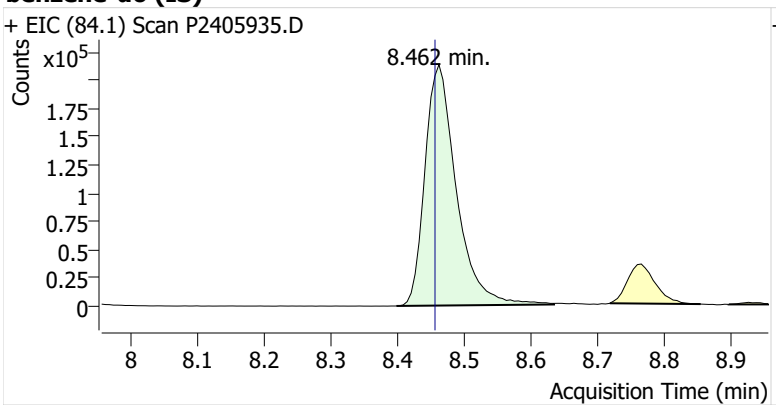
Name	CGOSP-4-S-20240924
Comment	B27251
Data File	P2405935.D
Acq. Date-Time	10/14/2024 9:58:32 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

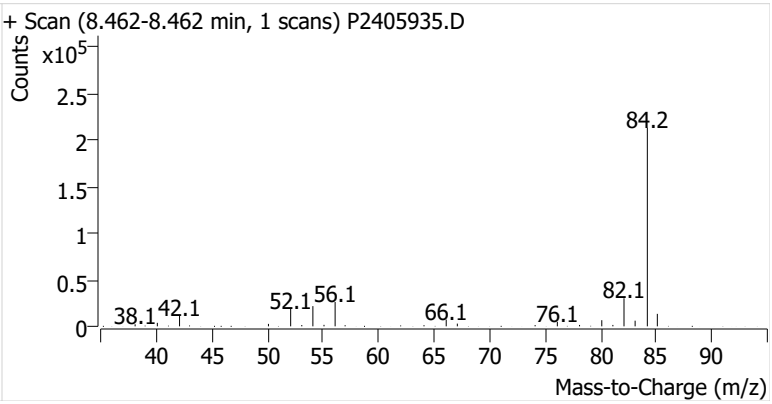
Sample Chromatogram



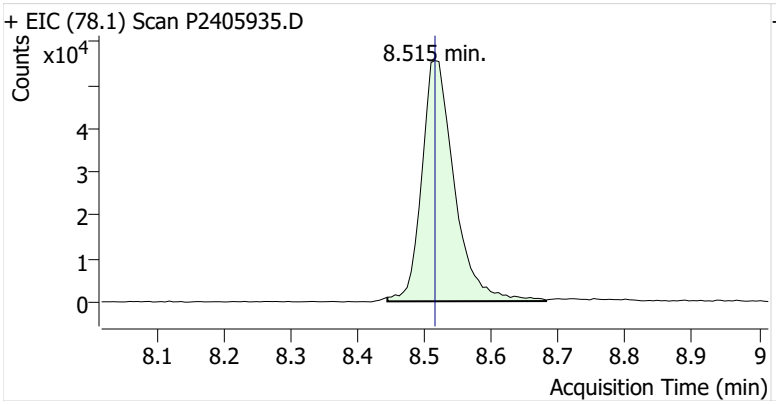
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.462	8.456	694,642	
Benzene	benzene-d6 (IS)	8.515	8.515	188,118	
Toluene-d8 (IS)		11.032	11.032	1,017,048	
Toluene	Toluene-d8 (IS)	11.127	11.121	570,803	
Ethylbenzene	Toluene-d8 (IS)	13.258	13.252	114,181	
m-/p-Xylene	Toluene-d8 (IS)	13.453	13.459	219,267	
o-Xylene	Toluene-d8 (IS)	13.928	13.922	92,382	

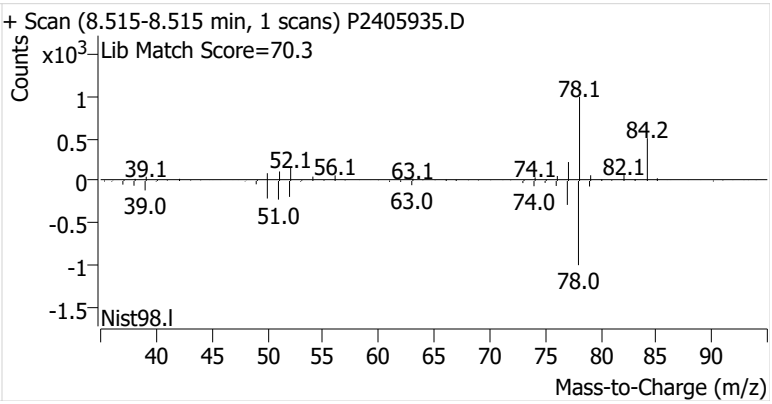
benzene-d6 (IS)



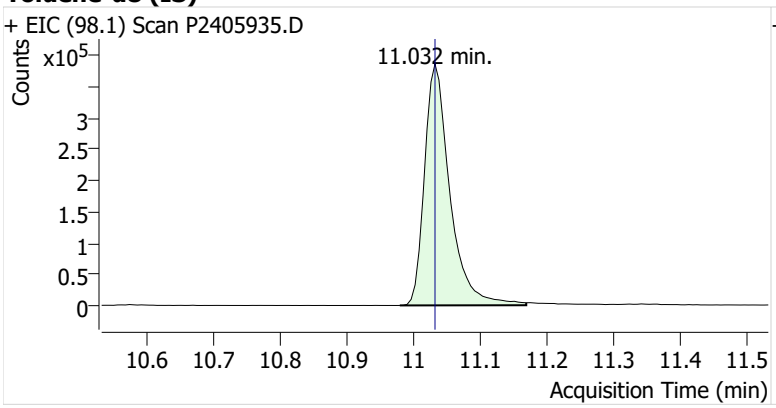


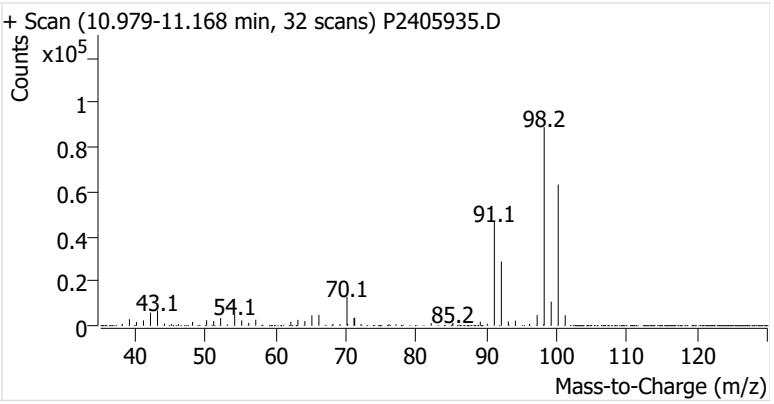
Benzene



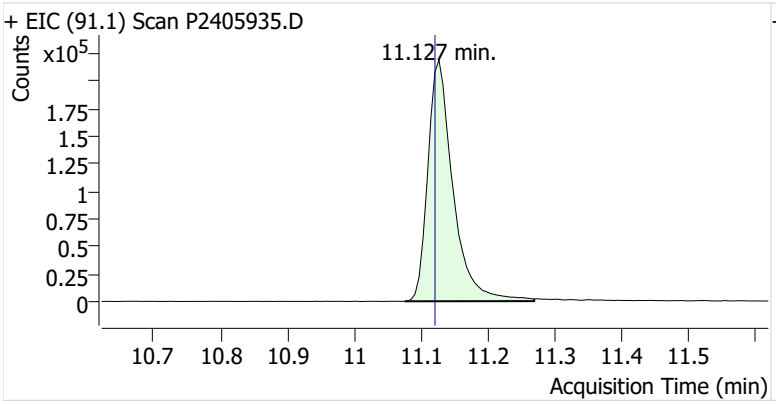


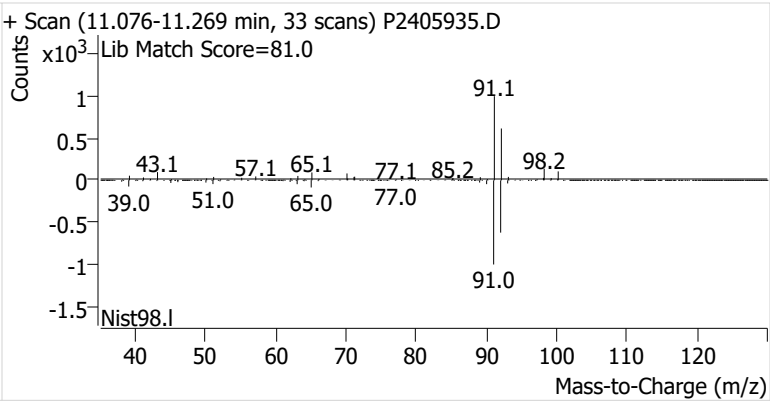
Toluene-d8 (IS)



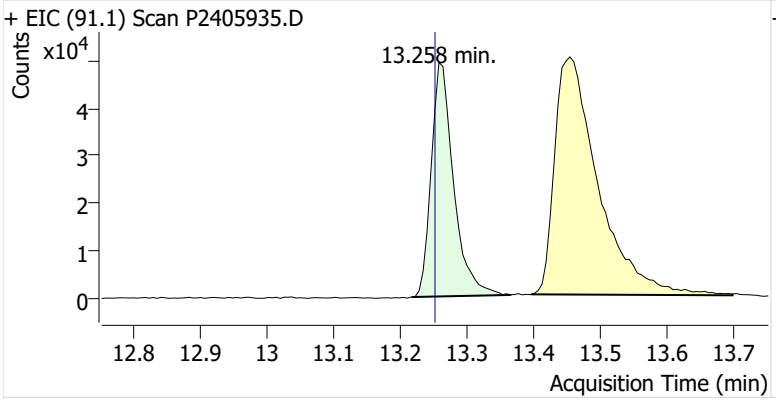


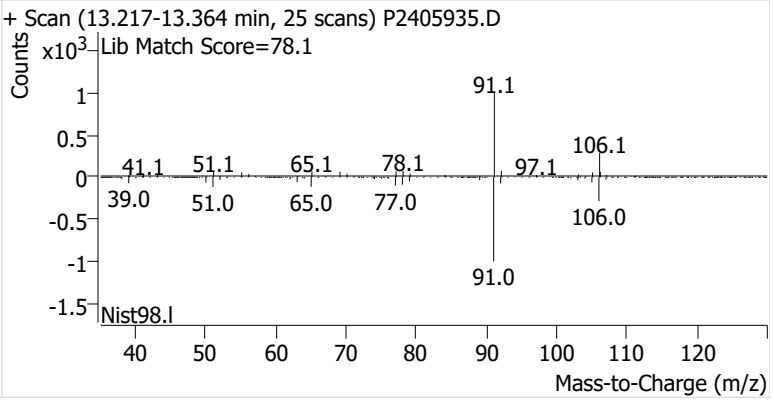
Toluene



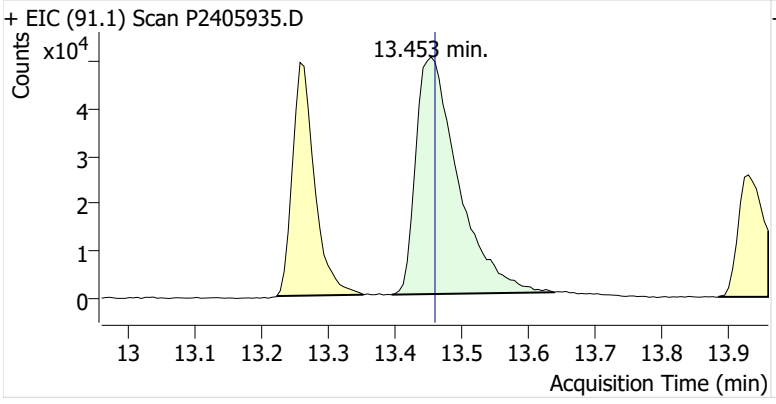


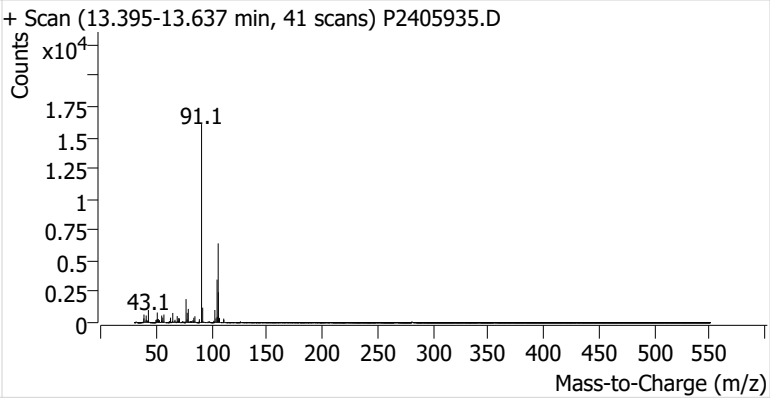
Ethylbenzene



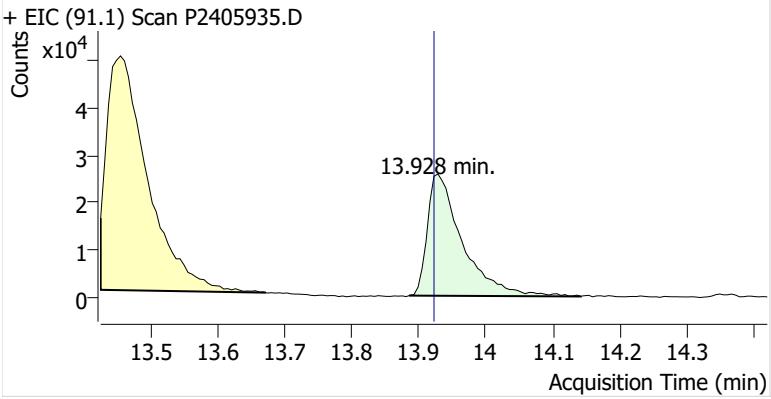


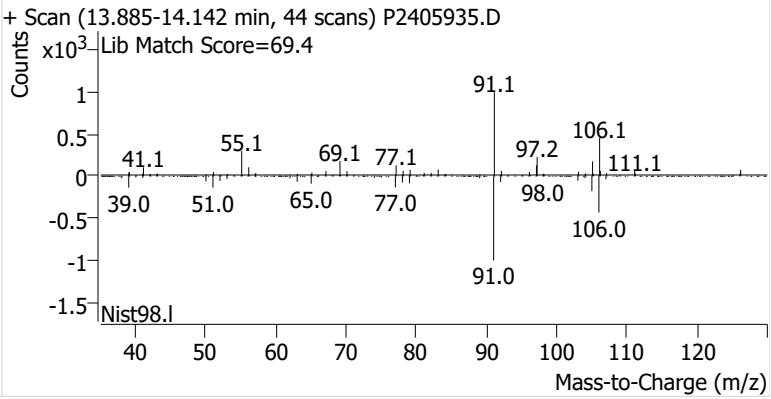
m-/p-Xylene





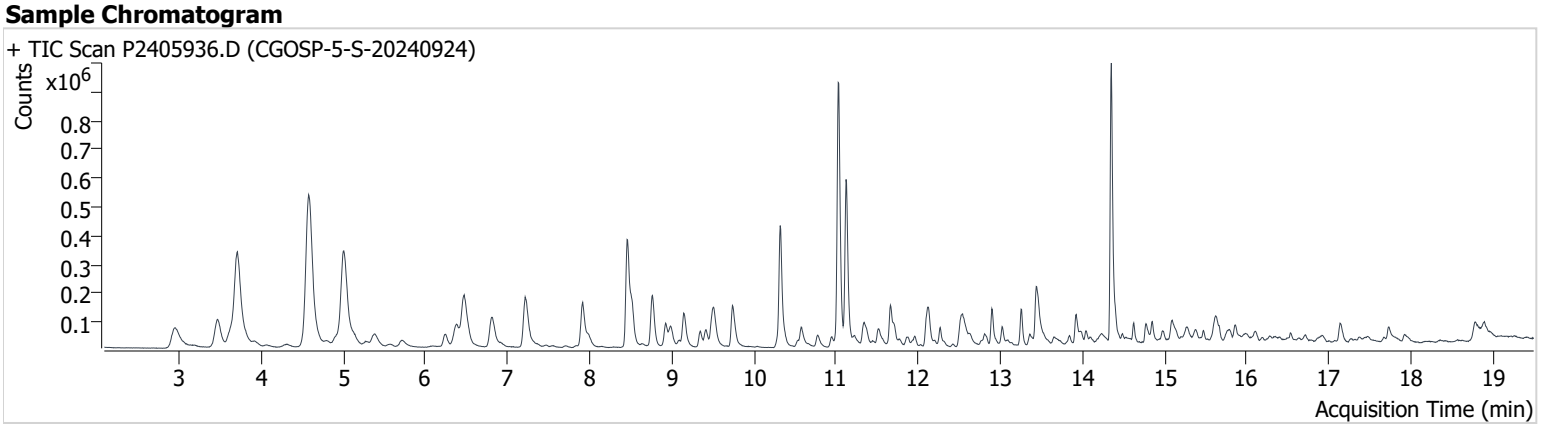
o-Xylene


+ EIC (91.1) Scan P2405935.D
Counts
x10^4
4
3
2
1
0
13.928 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.885-14.142 min, 44 scans) P2405935.D
Lib Match Score=69.4
Counts
x10^3
1
0.5
0
-0.5
-1
-1.5
91.1
106.1
55.1
41.1
69.1
77.1
97.2
111.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

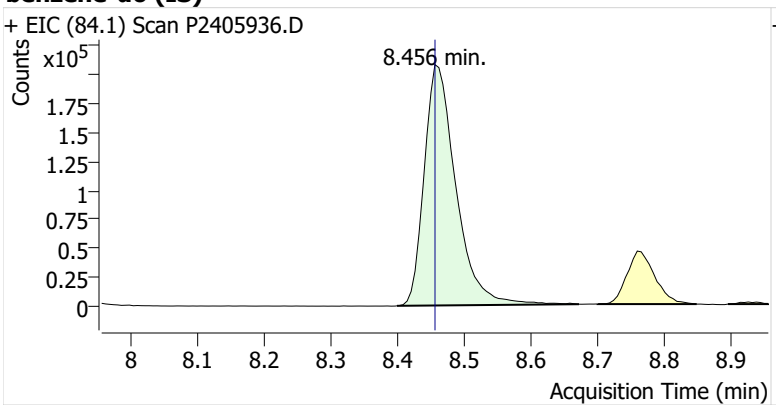
Name	CGOSP-5-S-20240924
Comment	C53588
Data File	P2405936.D
Acq. Date-Time	10/14/2024 10:35:49 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

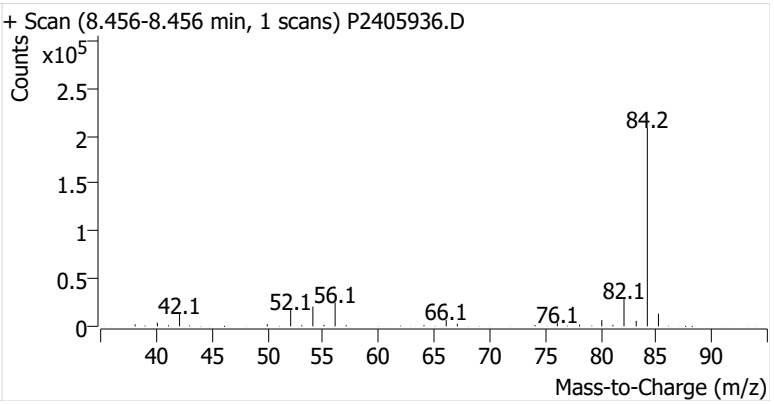
Sample Chromatogram



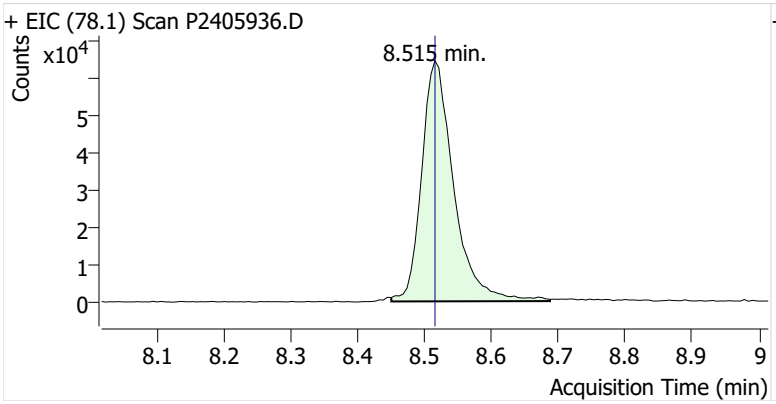
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.456	8.456	684,777	
Benzene	benzene-d6 (IS)	8.515	8.515	214,489	
Toluene-d8 (IS)		11.026	11.032	957,357	
Toluene	Toluene-d8 (IS)	11.121	11.121	609,964	
Ethylbenzene	Toluene-d8 (IS)	13.252	13.252	122,473	
m-/p-Xylene	Toluene-d8 (IS)	13.441	13.459	285,039	
o-Xylene	Toluene-d8 (IS)	13.922	13.922	113,271	

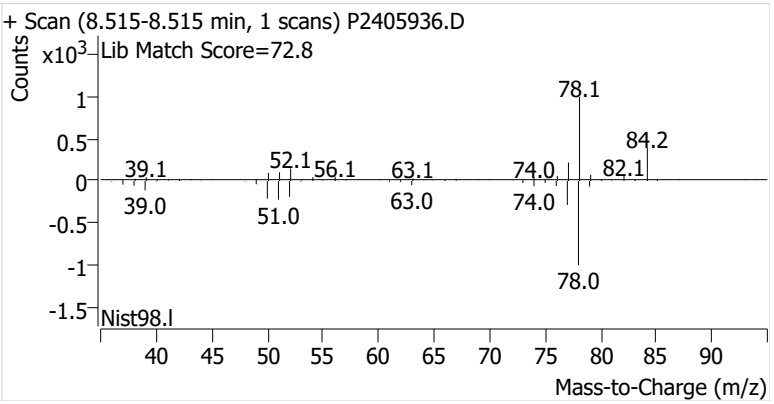
benzene-d6 (IS)



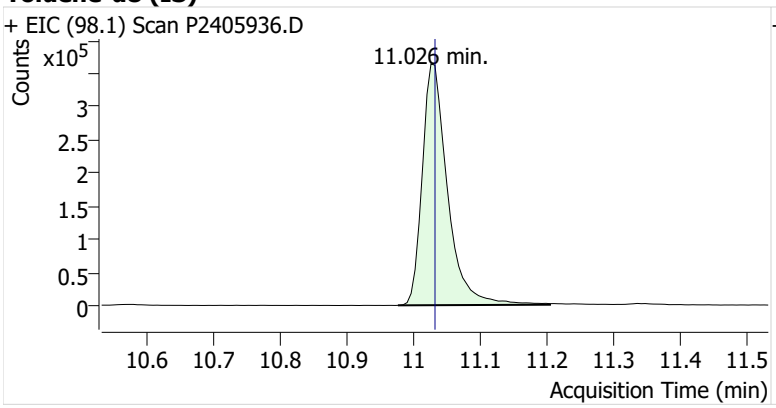


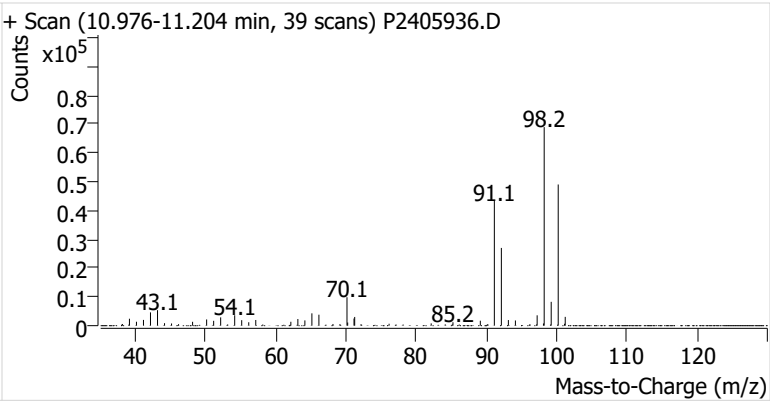
Benzene



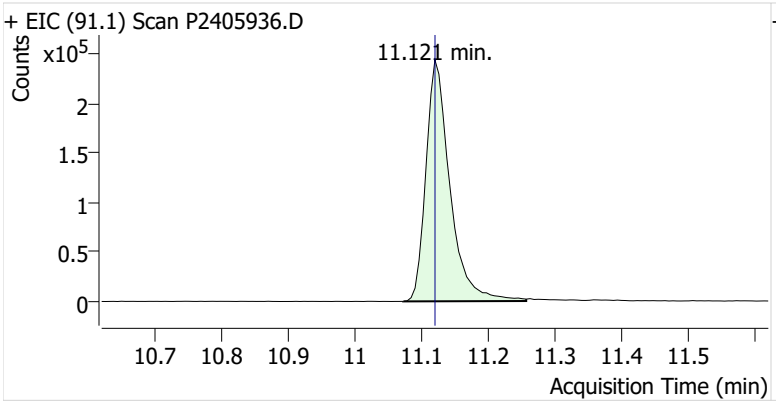


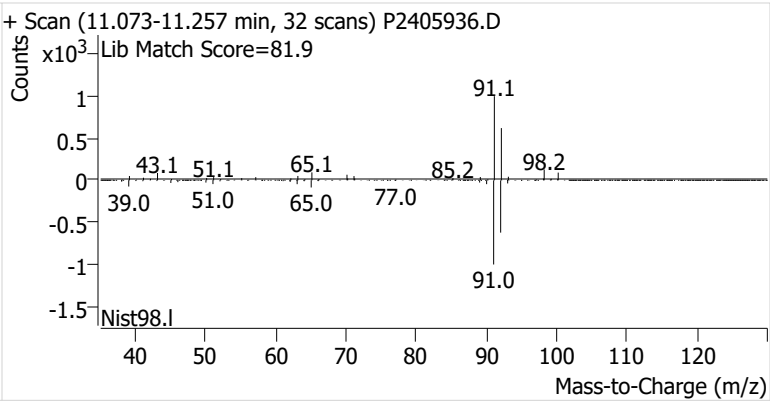
Toluene-d8 (IS)



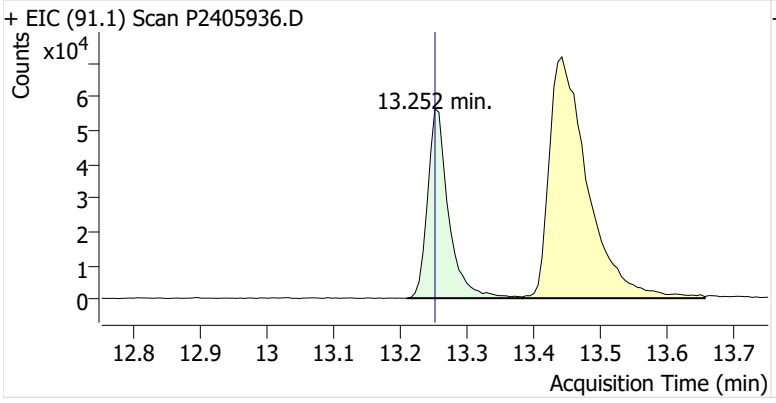


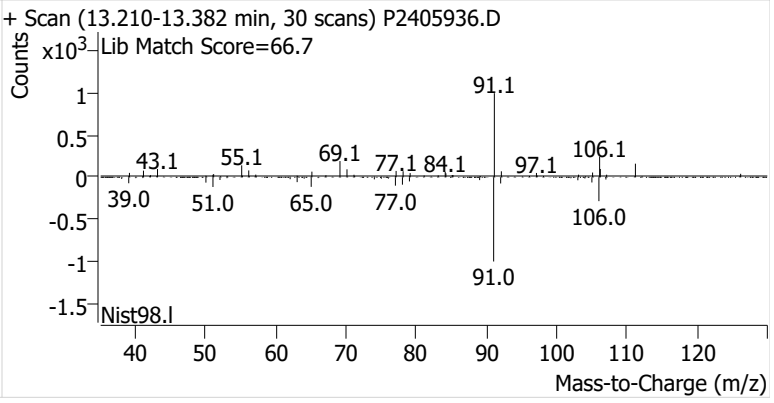
Toluene



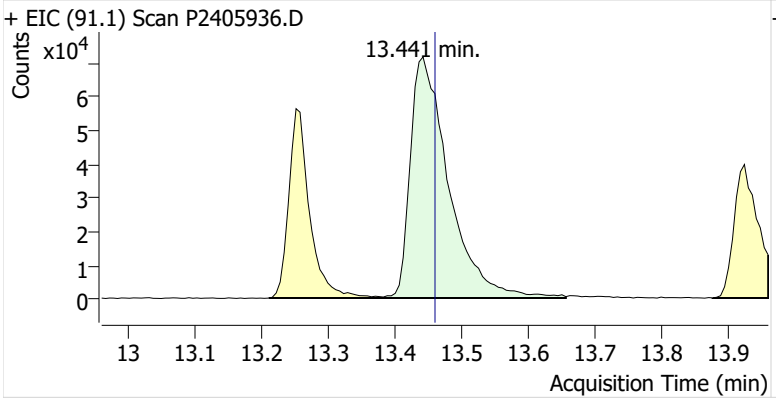


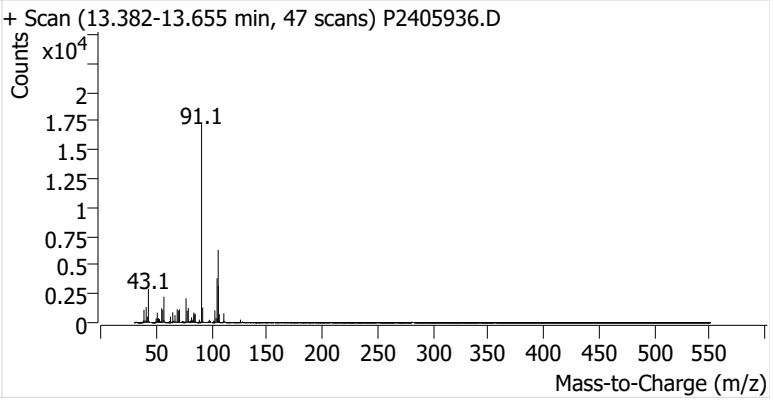
Ethylbenzene



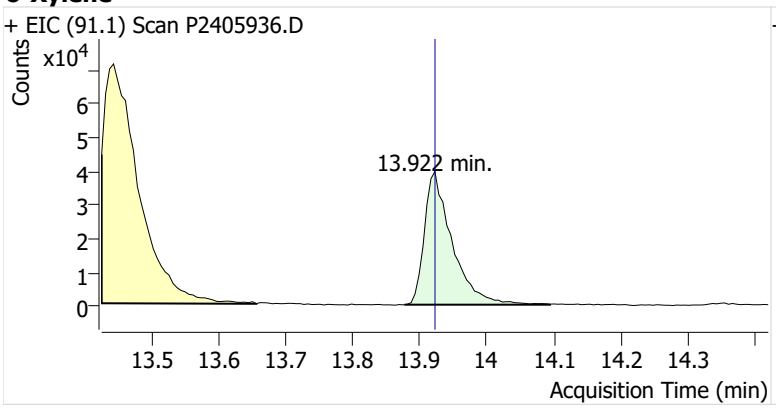


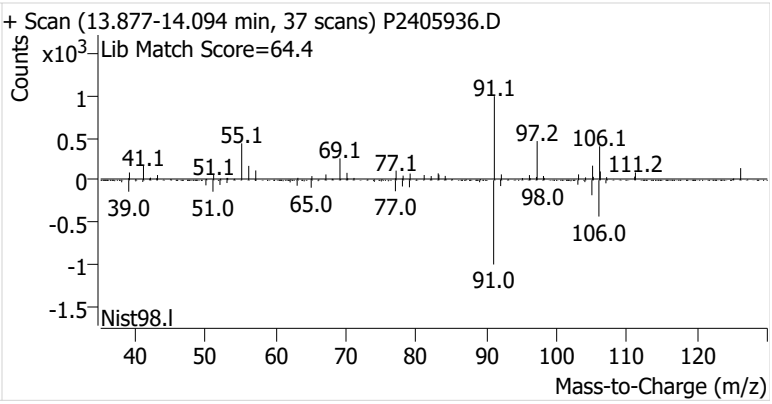
m-/p-Xylene





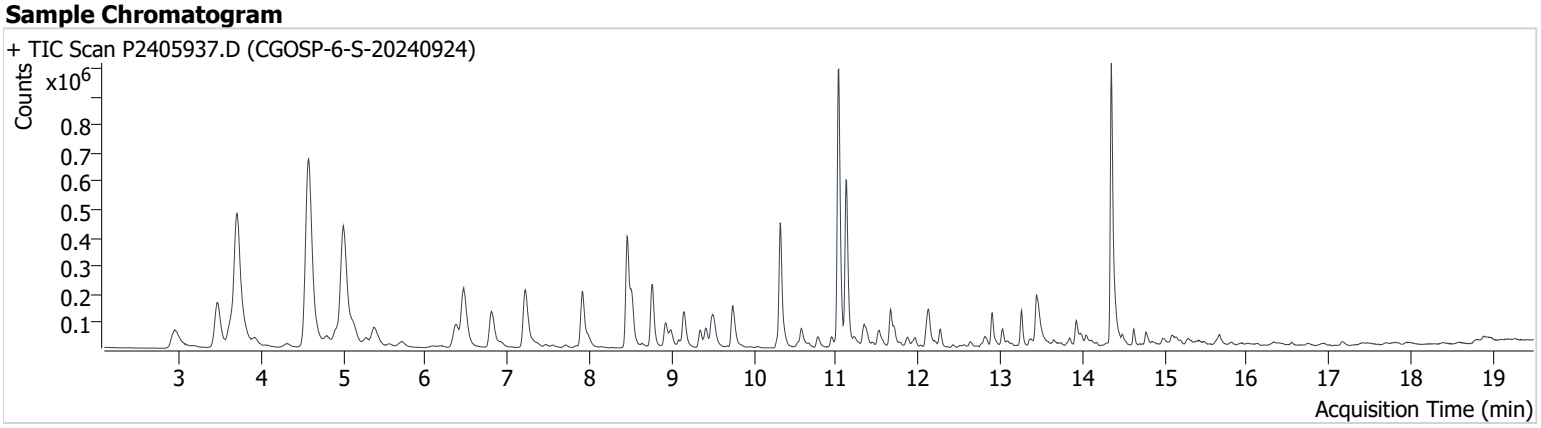
o-Xylene


+ EIC (91.1) Scan P2405936.D
Counts
x10^4
6
5
4
3
2
1
0
13.922 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.877-14.094 min, 37 scans) P2405936.D
Counts
x10^3
Lib Match Score=64.4
1
0.5
0
-0.5
-1
-1.5
91.1
97.2
106.1
111.2
55.1
69.1
77.1
41.1
51.1
98.0
106.0
39.0
51.0
65.0
77.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

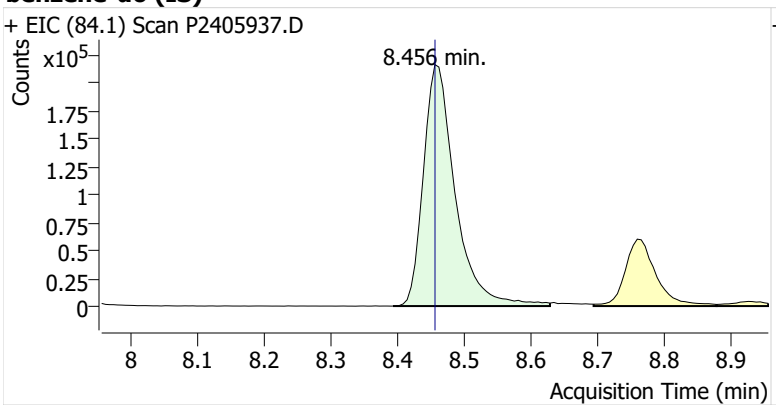
Name	CGOSP-6-S-20240924
Comment	B52683
Data File	P2405937.D
Acq. Date-Time	10/14/2024 11:13:07 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

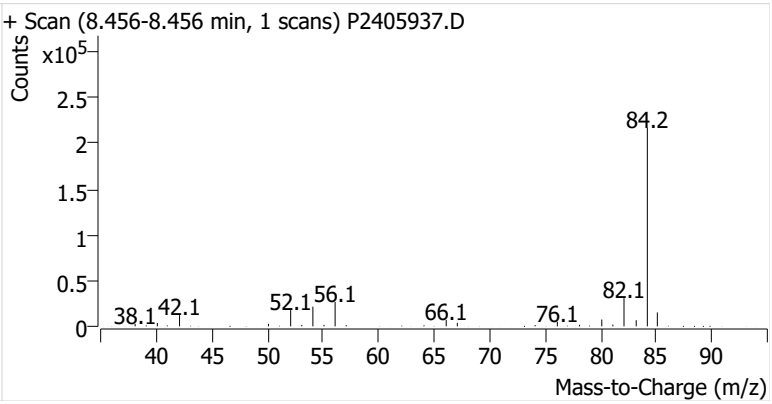
Sample Chromatogram



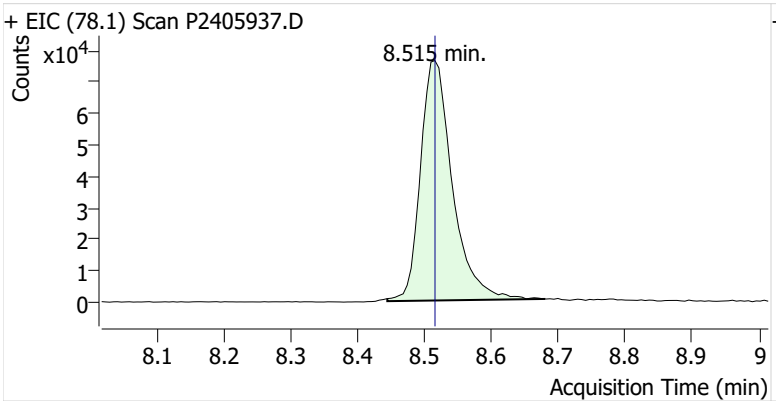
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.456	8.456	716,604	
Benzene	benzene-d6 (IS)	8.515	8.515	253,813	
Toluene-d8 (IS)		11.026	11.032	1,046,415	
Toluene	Toluene-d8 (IS)	11.121	11.121	649,179	
Ethylbenzene	Toluene-d8 (IS)	13.257	13.252	124,108	
m-/p-Xylene	Toluene-d8 (IS)	13.441	13.459	271,221	
o-Xylene	Toluene-d8 (IS)	13.922	13.922	103,289	

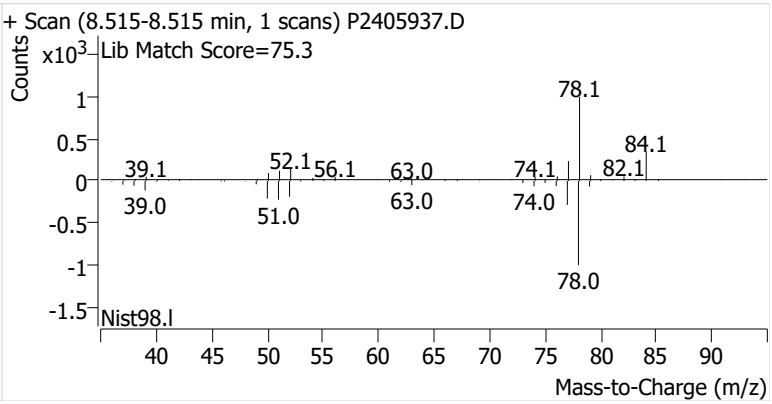
benzene-d6 (IS)



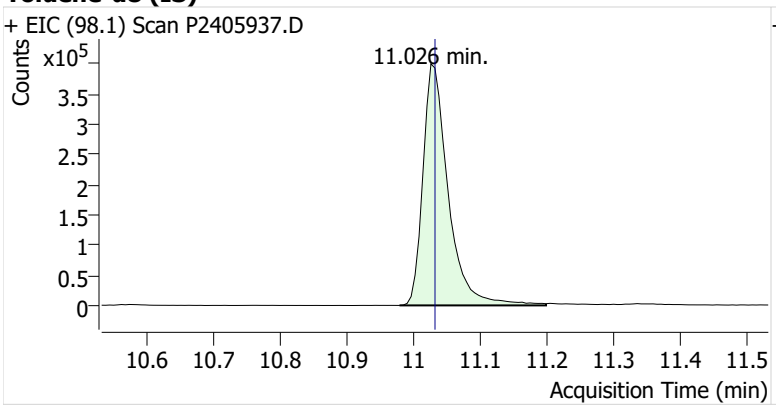


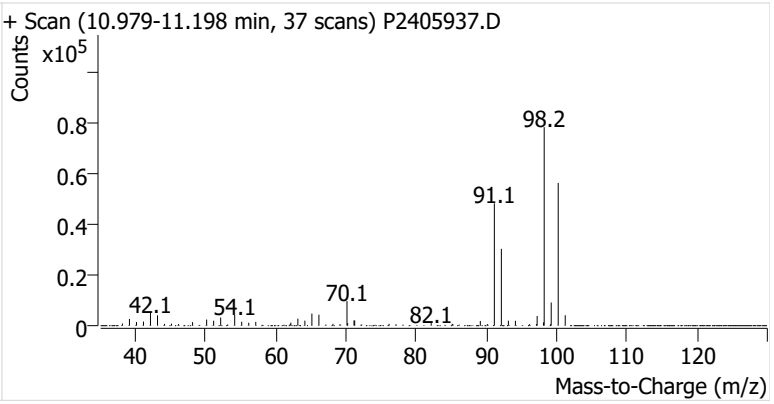
Benzene



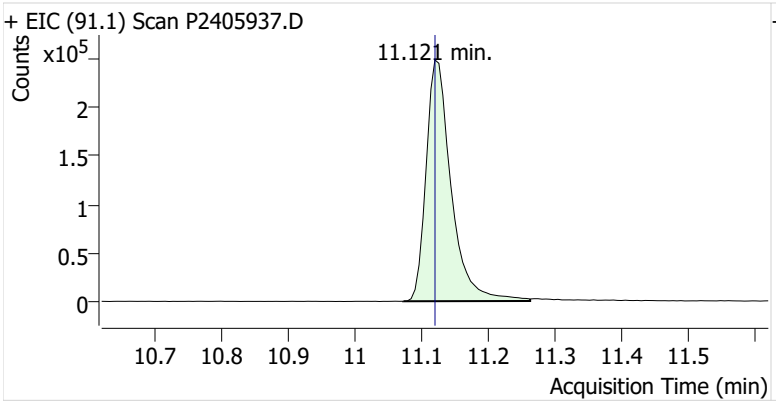


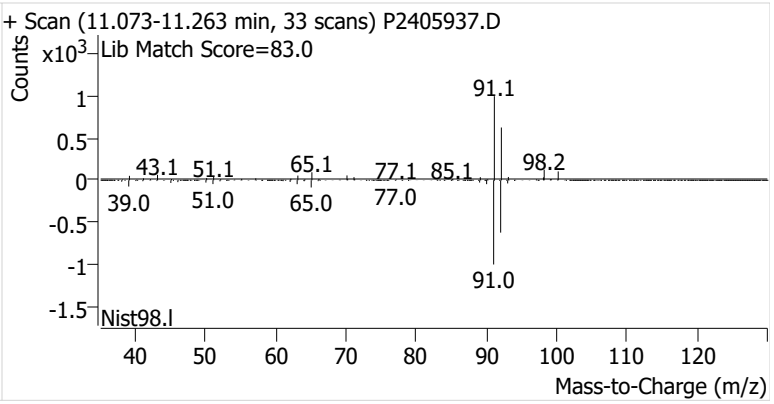
Toluene-d8 (IS)



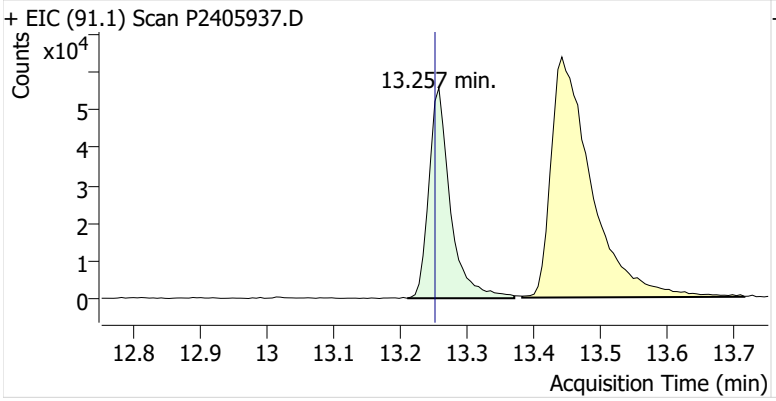


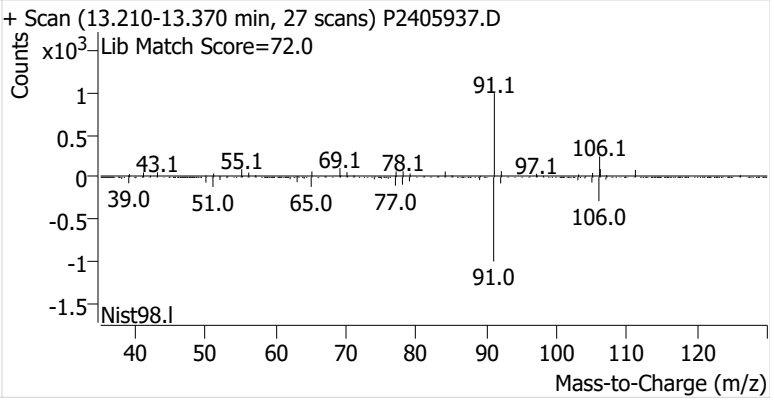
Toluene



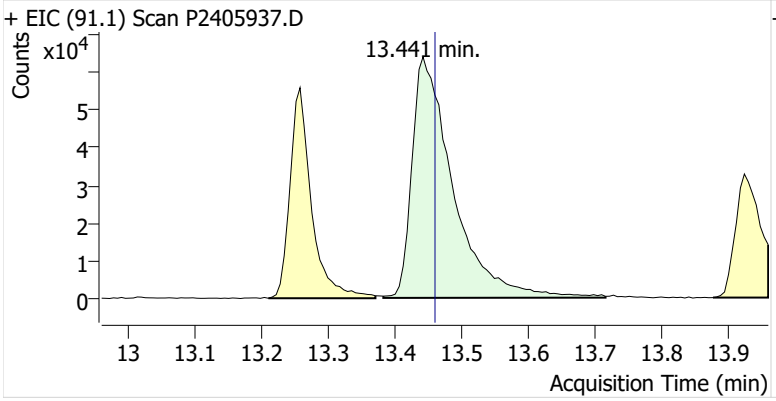


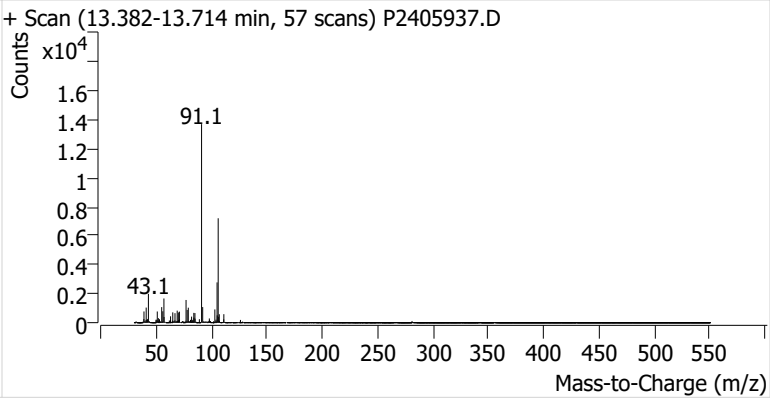
Ethylbenzene



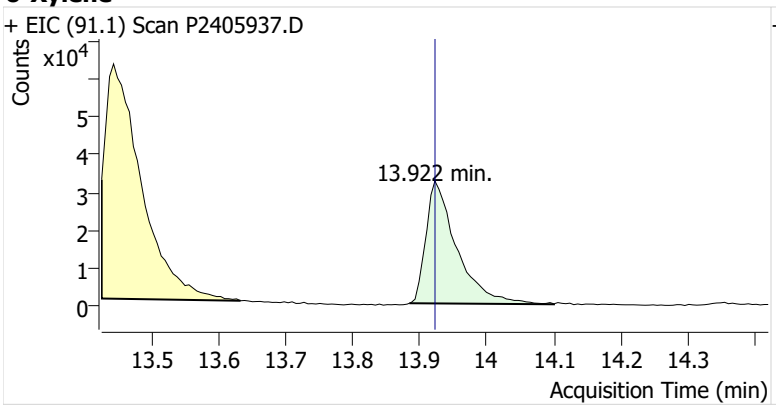


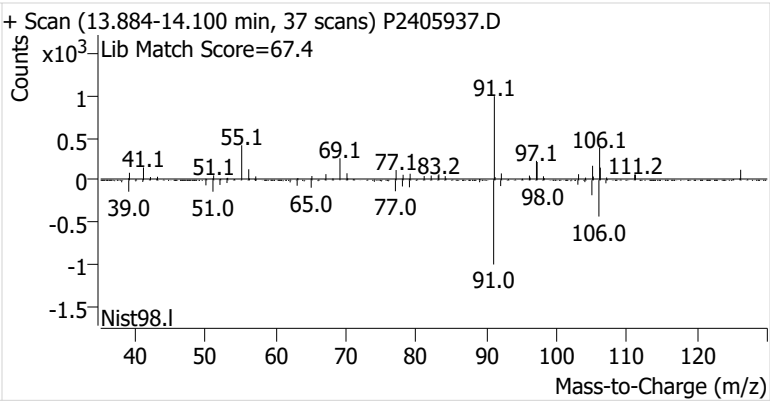
m-/p-Xylene





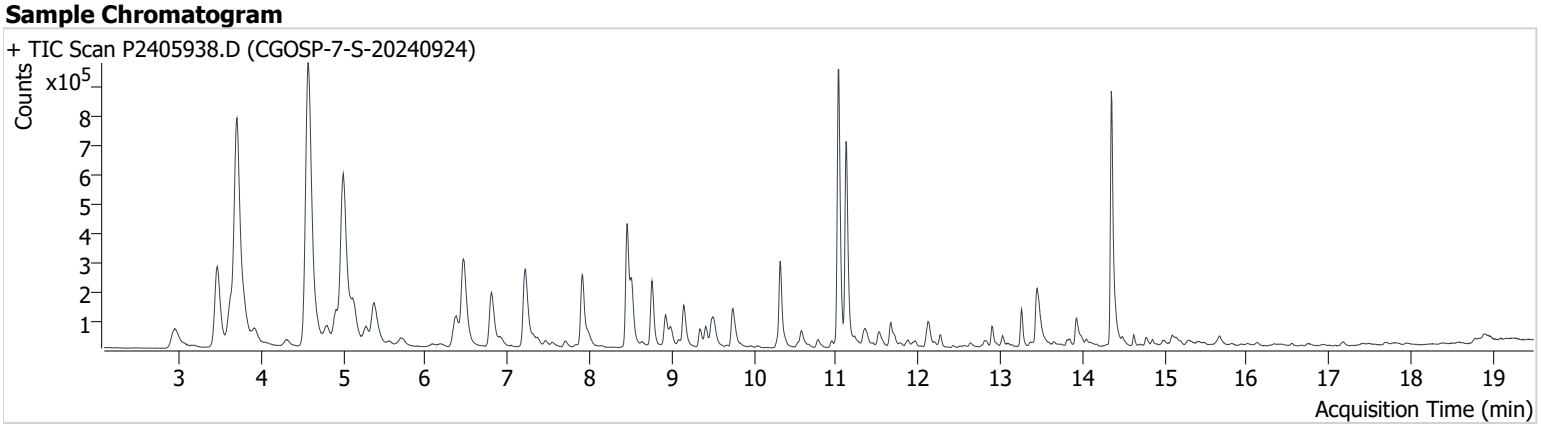
o-Xylene


+ EIC (91.1) Scan P2405937.D
Counts
x10^4
5
4
3
2
1
0
13.922 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.884-14.100 min, 37 scans) P2405937.D
Counts
x10^3
Lib Match Score=67.4
1
0.5
0
-0.5
-1
-1.5
91.1
55.1
41.1
51.1
69.1
77.1
83.2
97.1
106.1
111.2
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

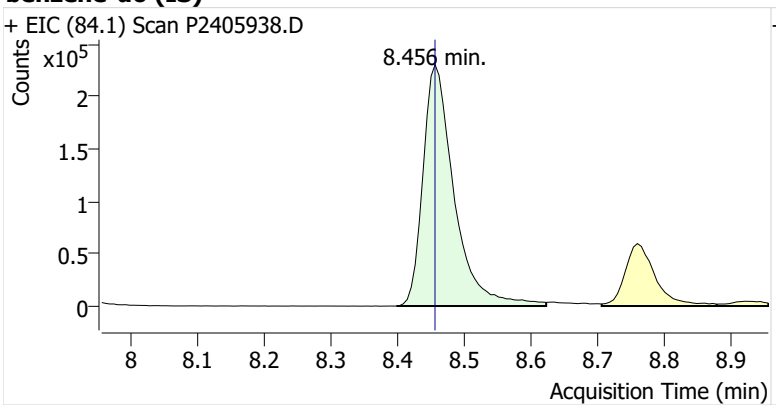
Name	CGOSP-7-S-20240924
Comment	B50855
Data File	P2405938.D
Acq. Date-Time	10/14/2024 11:50:23 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

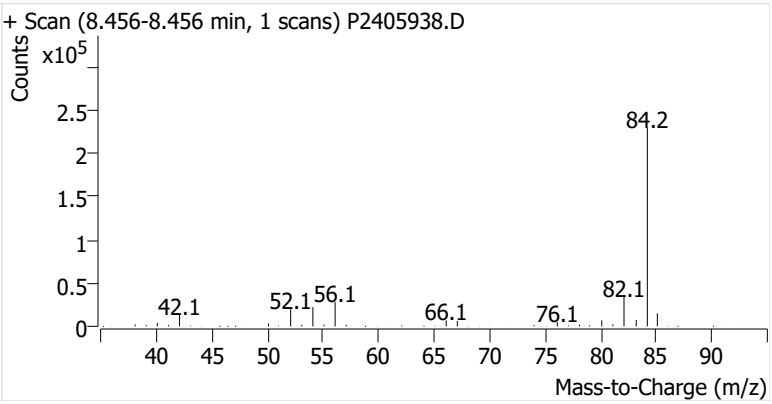
Sample Chromatogram



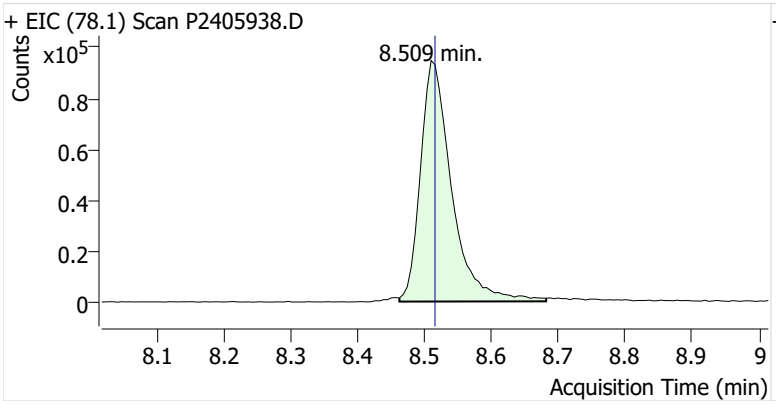
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.456	8.456	743,109	
Benzene	benzene-d6 (IS)	8.509	8.515	306,551	
Toluene-d8 (IS)		11.026	11.032	1,006,216	
Toluene	Toluene-d8 (IS)	11.121	11.121	786,522	
Ethylbenzene	Toluene-d8 (IS)	13.258	13.252	131,420	
m-/p-Xylene	Toluene-d8 (IS)	13.448	13.459	306,498	
o-Xylene	Toluene-d8 (IS)	13.928	13.922	121,229	

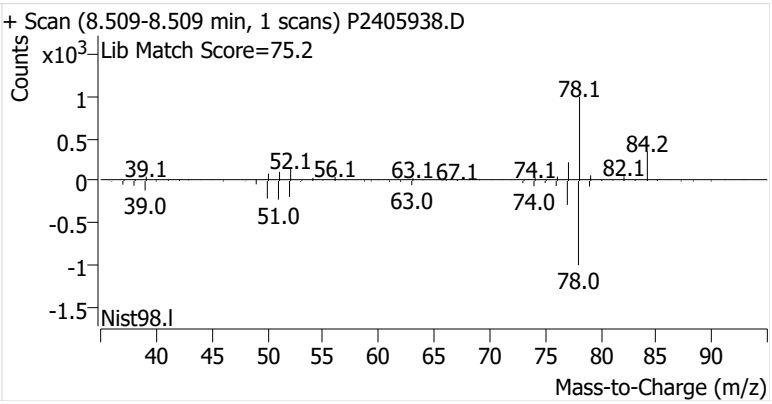
benzene-d6 (IS)



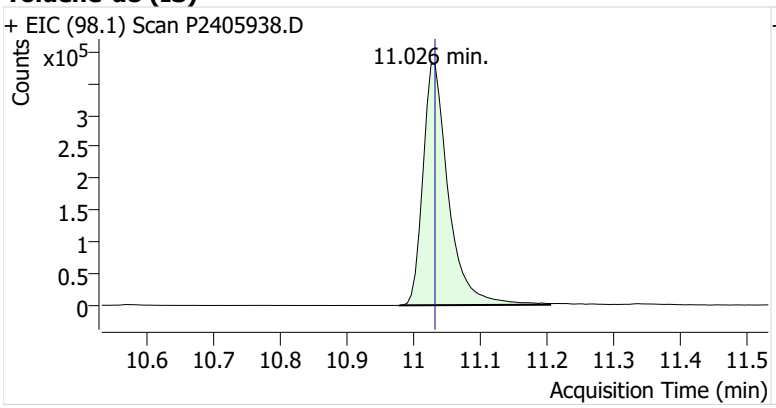


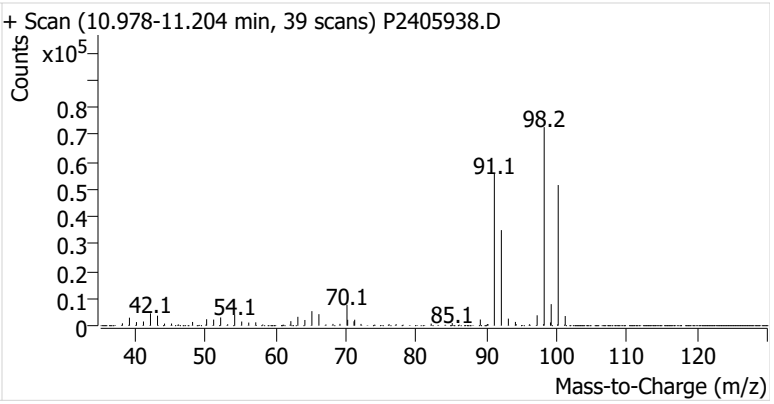
Benzene



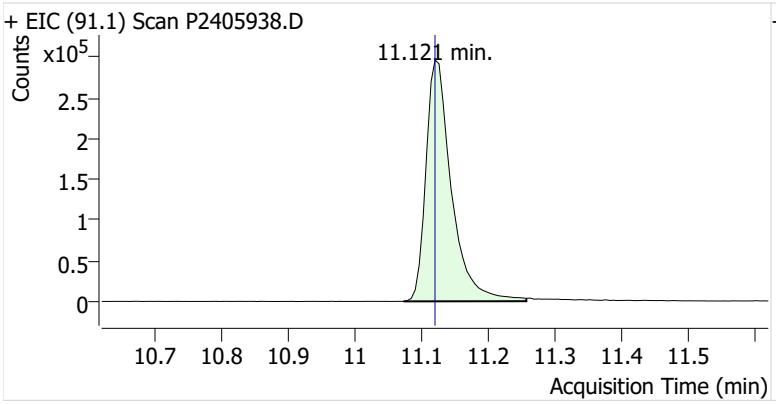


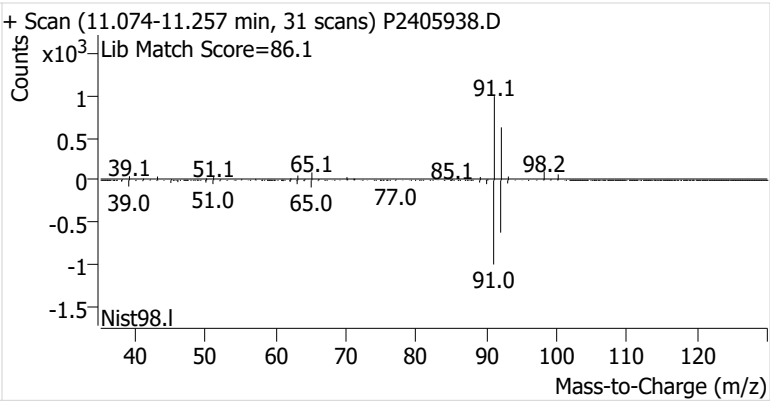
Toluene-d8 (IS)



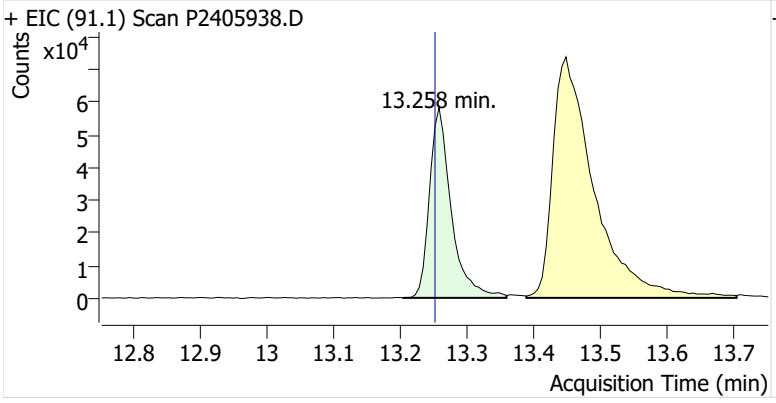


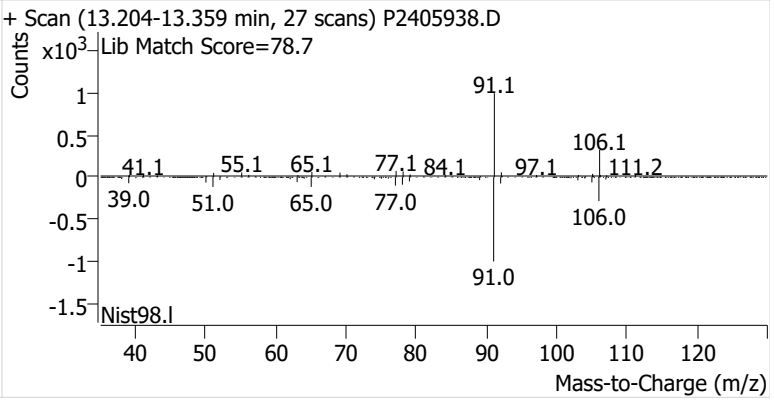
Toluene



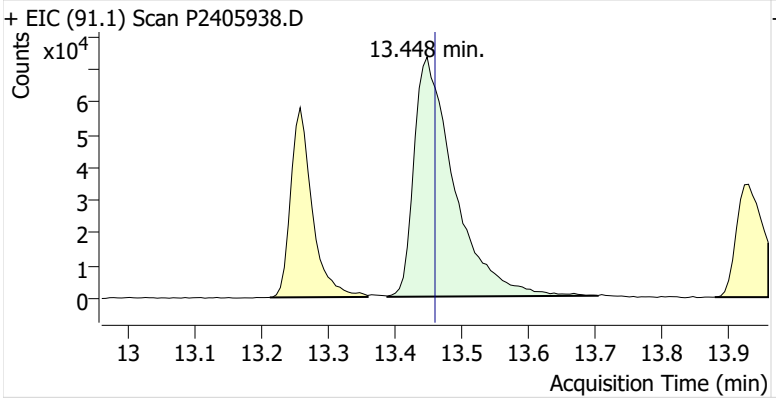


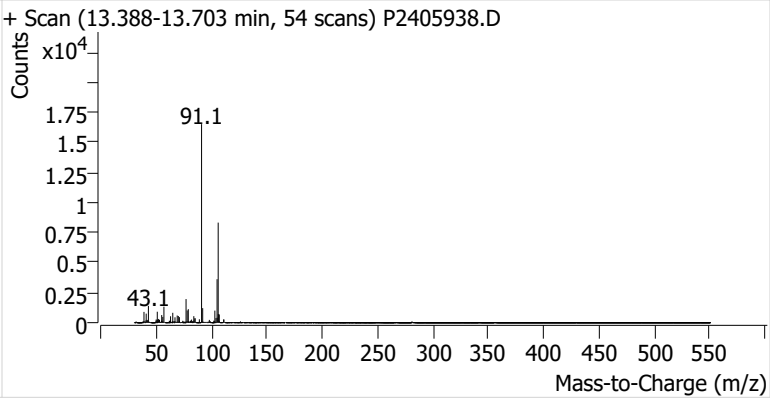
Ethylbenzene



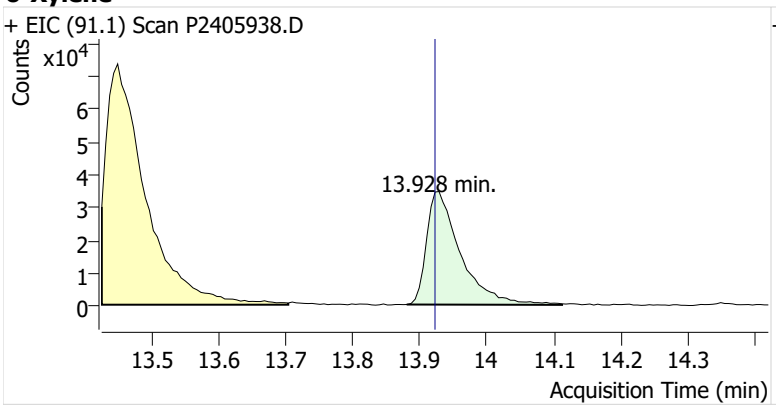


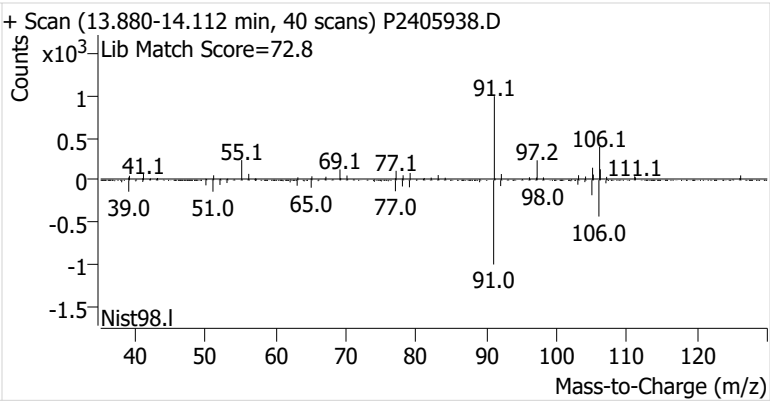
m-/p-Xylene





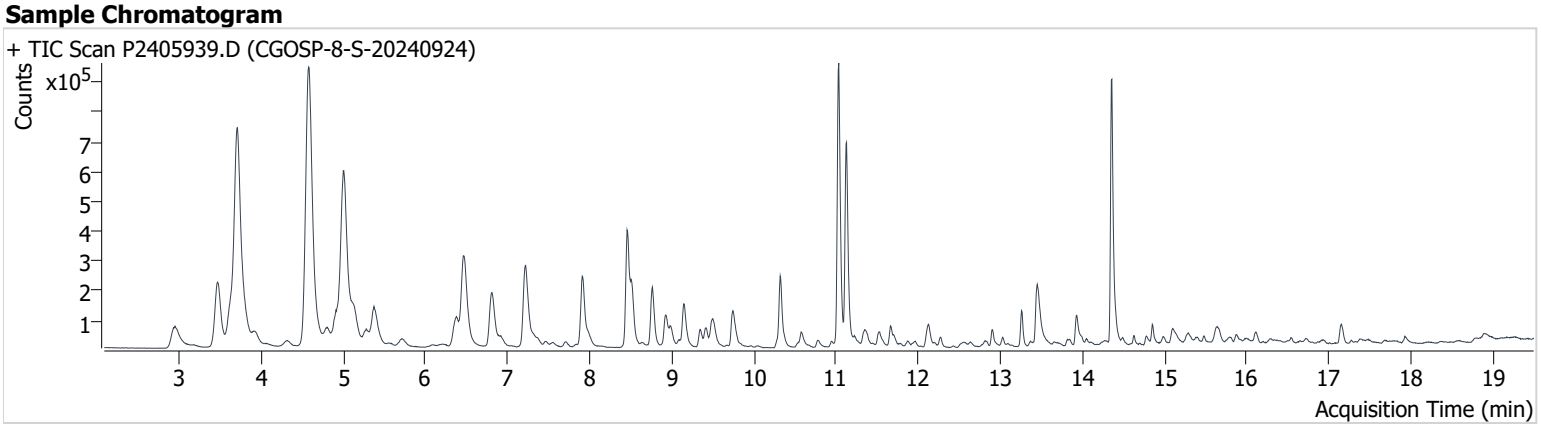
o-Xylene


+ EIC (91.1) Scan P2405938.D
Counts
x10^4
6
5
4
3
2
1
0
13.928 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.880-14.112 min, 40 scans) P2405938.D
Counts
x10^3
Lib Match Score=72.8
1
0.5
0
-0.5
-1
-1.5
91.1
41.1
55.1
69.1
77.1
97.2
106.1
111.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

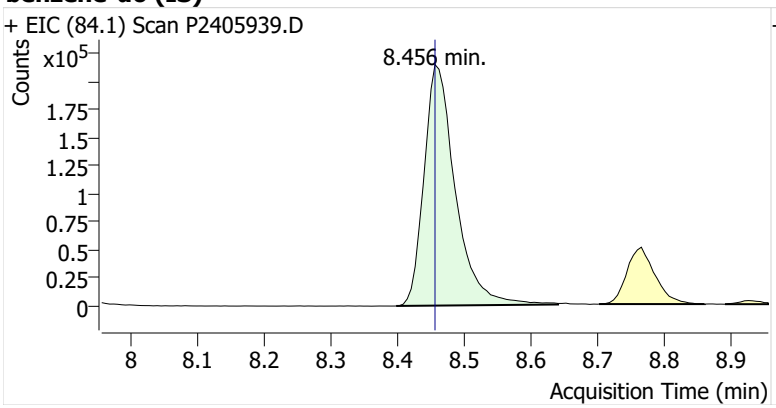
Name	CGOSP-8-S-20240924
Comment	C43872
Data File	P2405939.D
Acq. Date-Time	10/15/2024 12:27:40 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

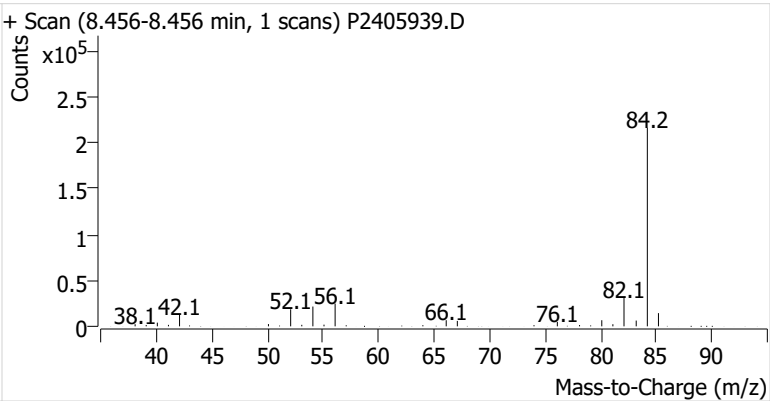
Sample Chromatogram



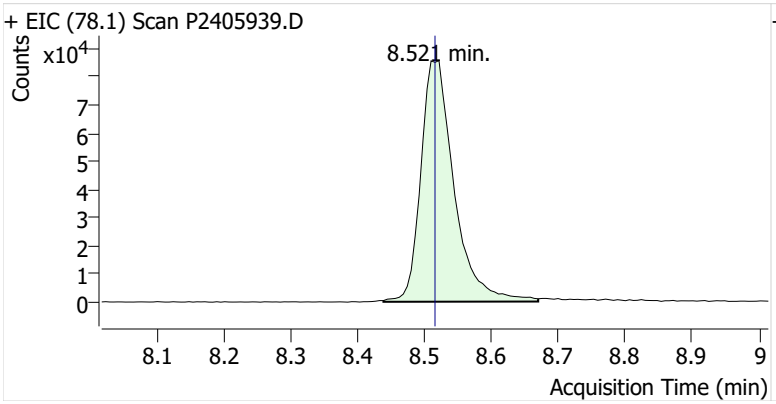
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.456	8.456	701,407	
Benzene	benzene-d6 (IS)	8.521	8.515	296,502	
Toluene-d8 (IS)		11.032	11.032	1,015,202	
Toluene	Toluene-d8 (IS)	11.121	11.121	786,352	
Ethylbenzene	Toluene-d8 (IS)	13.264	13.252	121,632	
m-/p-Xylene	Toluene-d8 (IS)	13.448	13.459	307,904	
o-Xylene	Toluene-d8 (IS)	13.928	13.922	120,201	

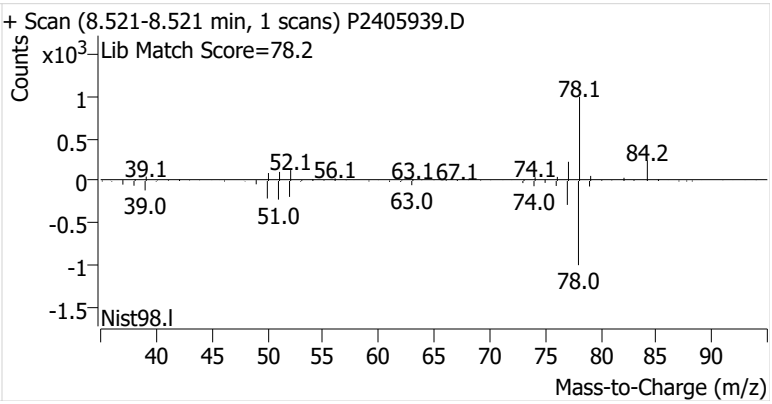
benzene-d6 (IS)



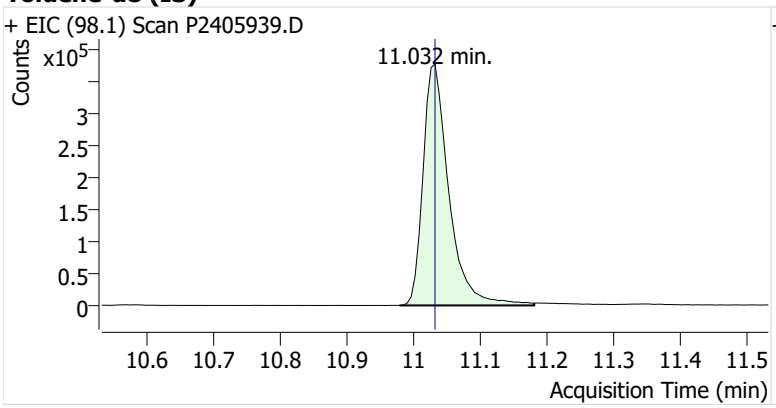


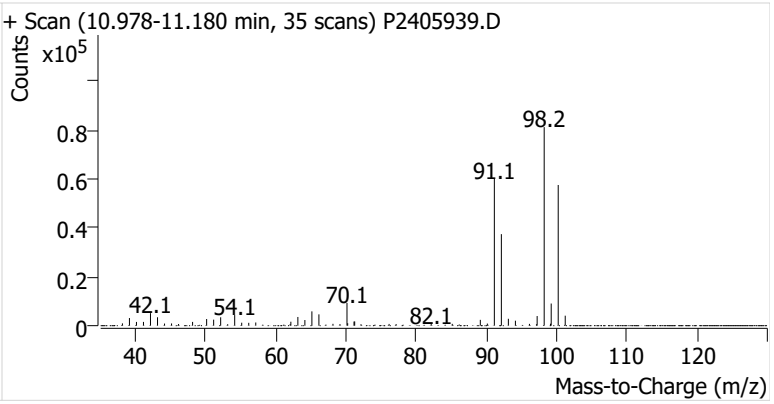
Benzene



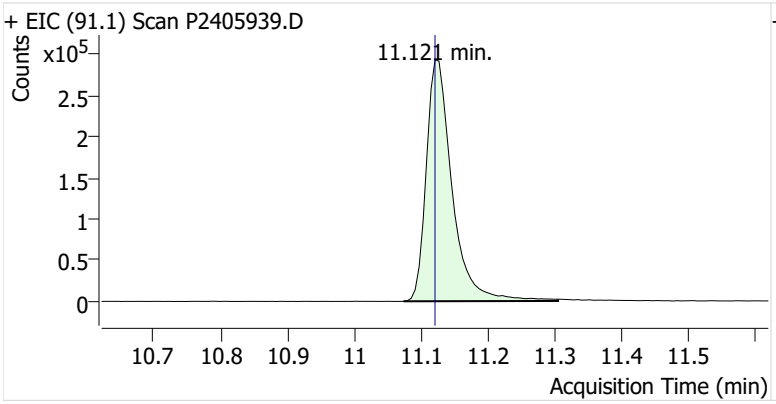


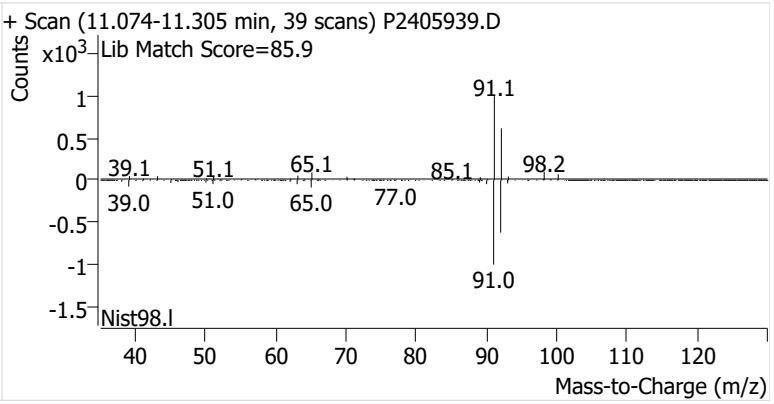
Toluene-d8 (IS)



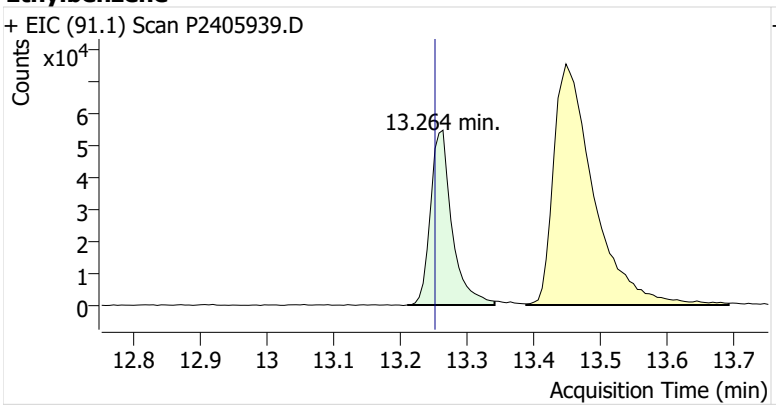


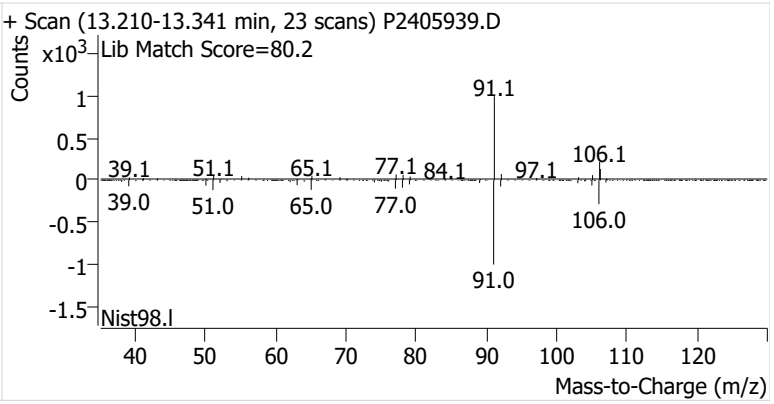
Toluene



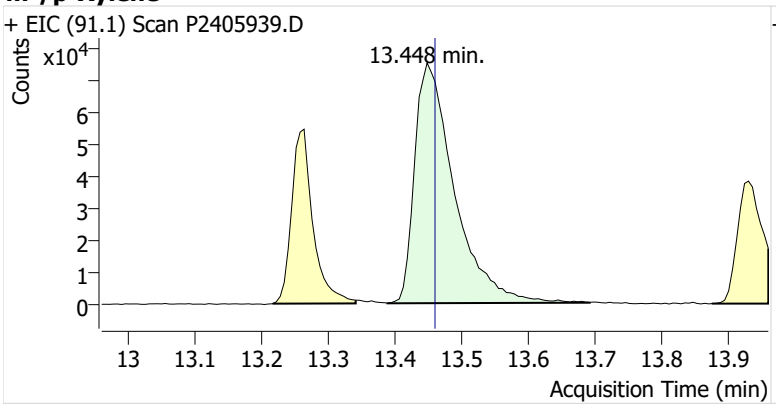


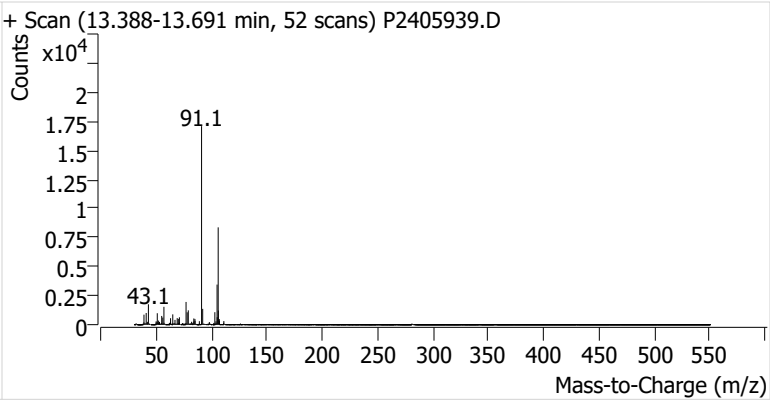
Ethylbenzene



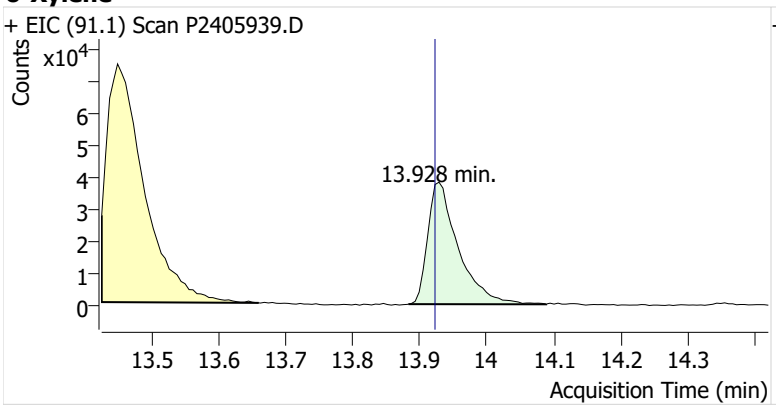


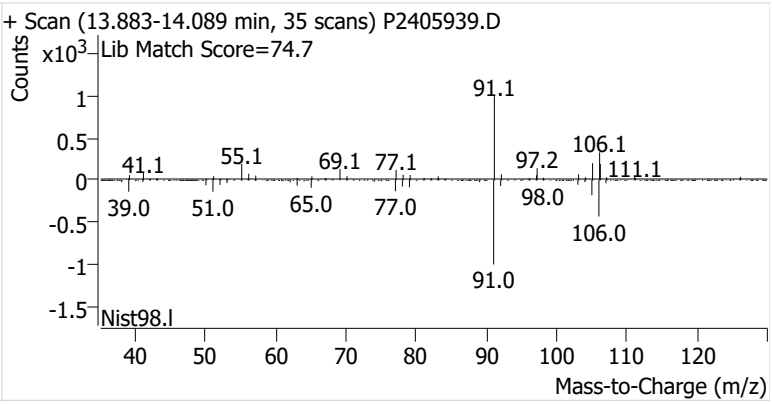
m-/p-Xylene





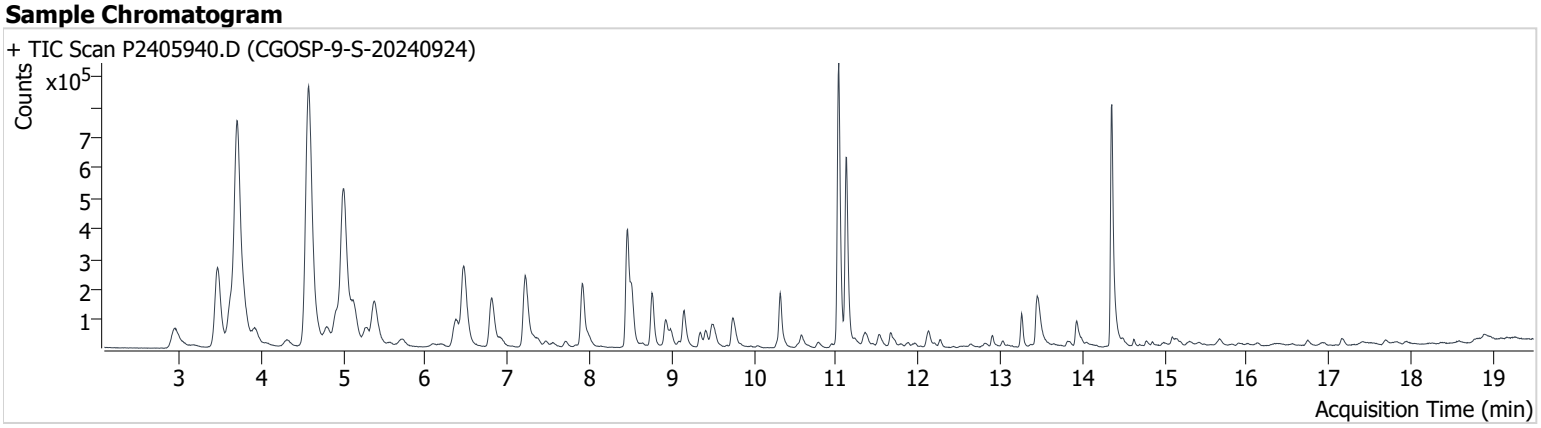
o-Xylene


+ EIC (91.1) Scan P2405939.D
Counts
x10^4
6
5
4
3
2
1
0
13.928 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.883-14.089 min, 35 scans) P2405939.D
Counts
x10^3
Lib Match Score=74.7
1
0.5
0
-0.5
-1
-1.5
91.1
41.1
55.1
69.1
77.1
97.2
106.1
111.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

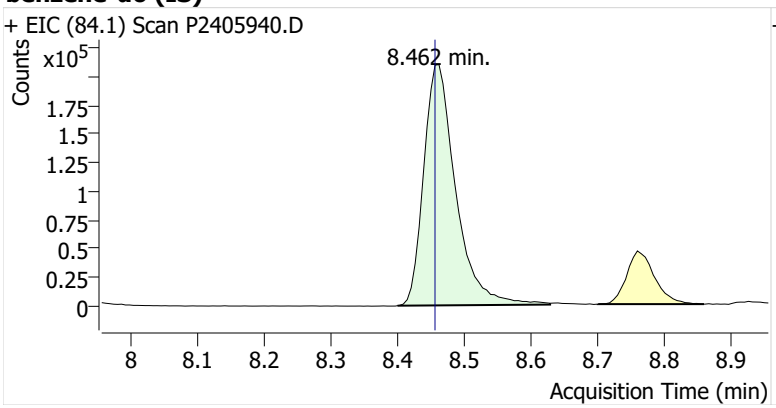
Name	CGOSP-9-S-20240924
Comment	B49539
Data File	P2405940.D
Acq. Date-Time	10/15/2024 1:05:16 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

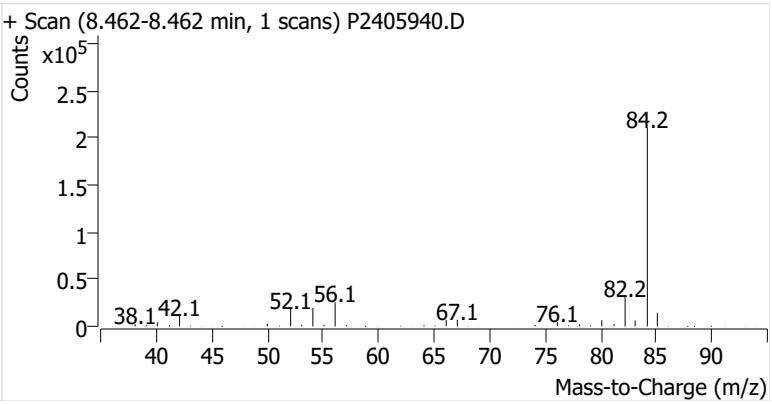
Sample Chromatogram



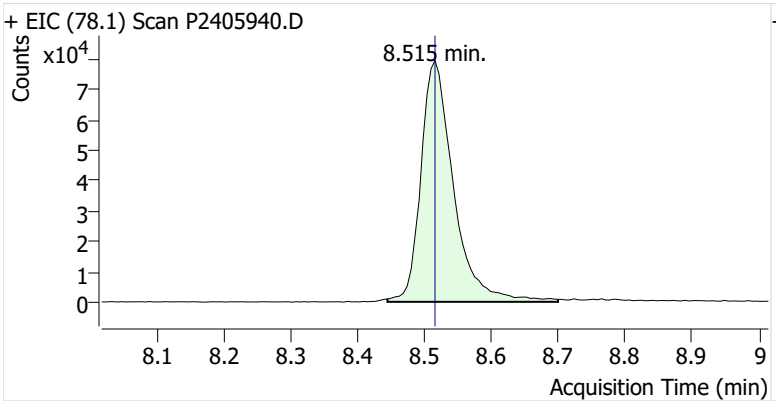
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.462	8.456	697,424	
Benzene	benzene-d6 (IS)	8.515	8.515	269,359	
Toluene-d8 (IS)		11.032	11.032	1,001,443	
Toluene	Toluene-d8 (IS)	11.121	11.121	723,258	
Ethylbenzene	Toluene-d8 (IS)	13.258	13.252	110,054	
m-/p-Xylene	Toluene-d8 (IS)	13.448	13.459	270,503	
o-Xylene	Toluene-d8 (IS)	13.928	13.922	111,837	

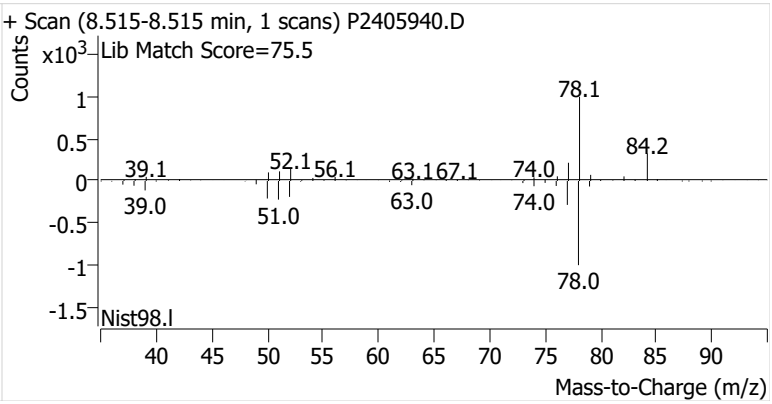
benzene-d6 (IS)



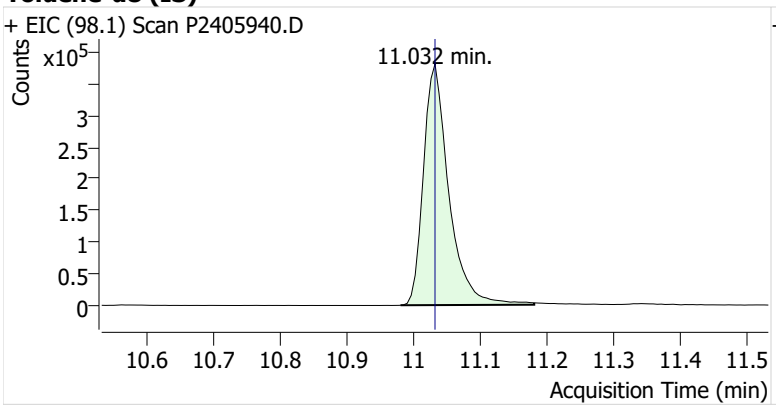


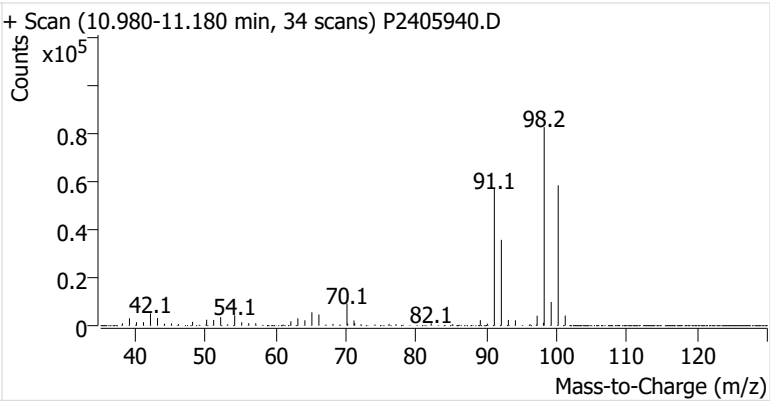
Benzene



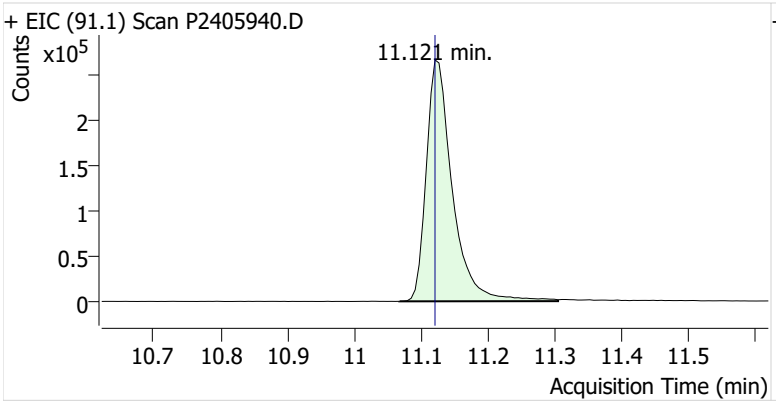


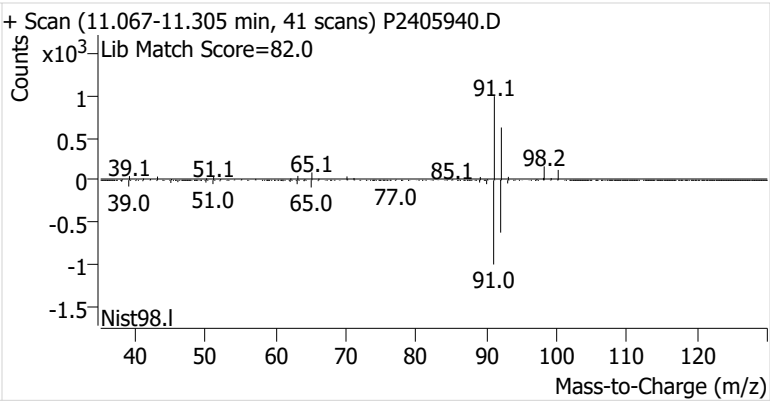
Toluene-d8 (IS)



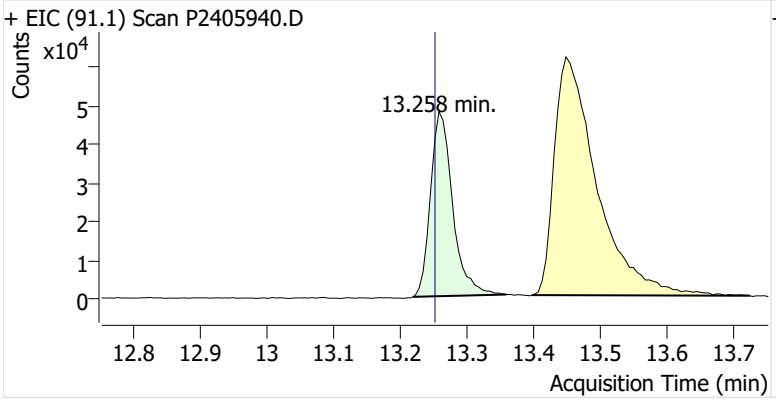


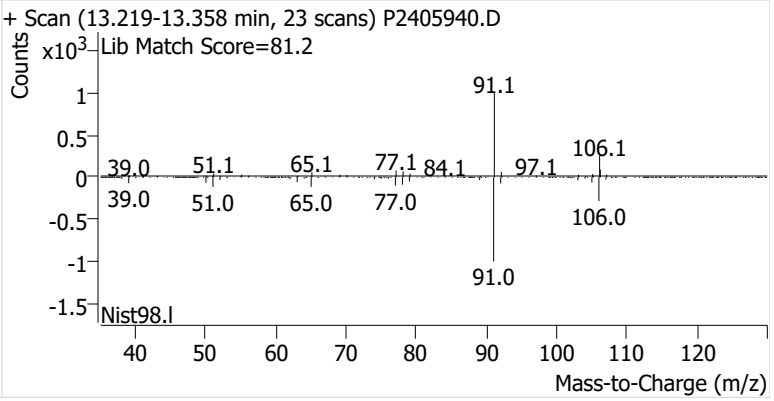
Toluene



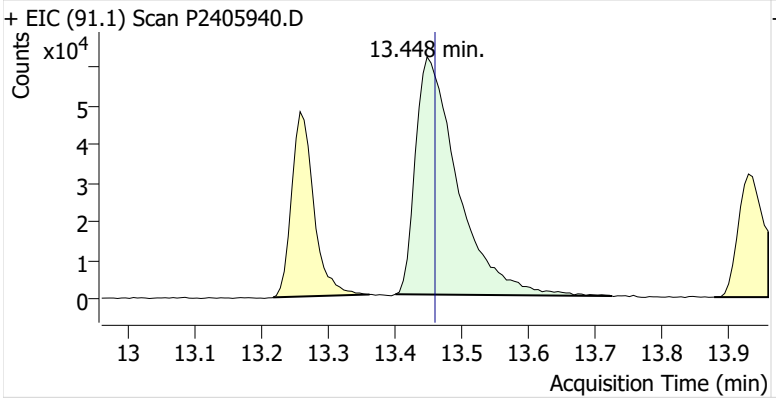


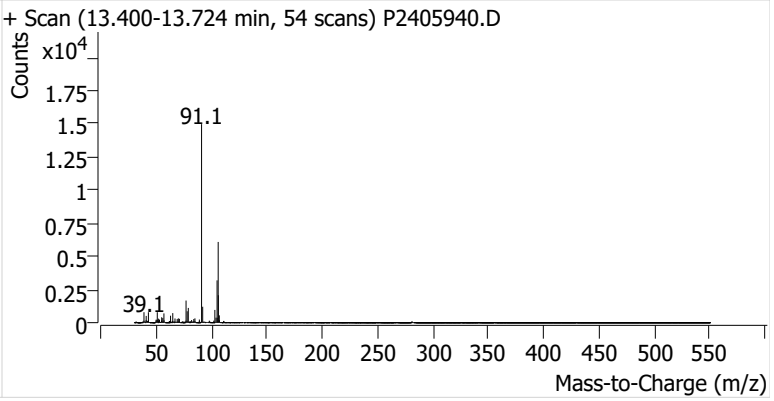
Ethylbenzene



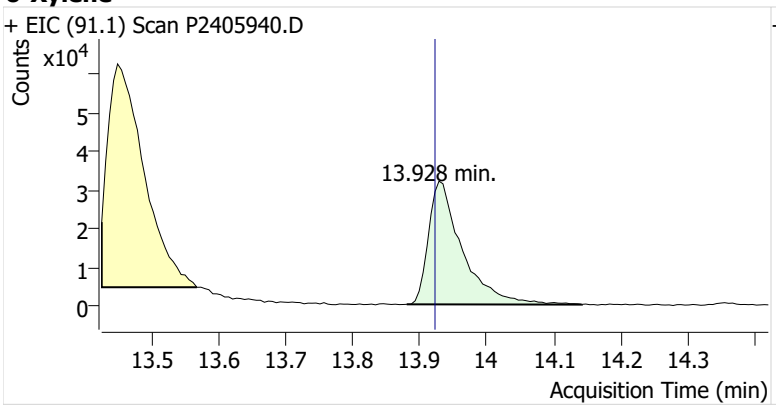


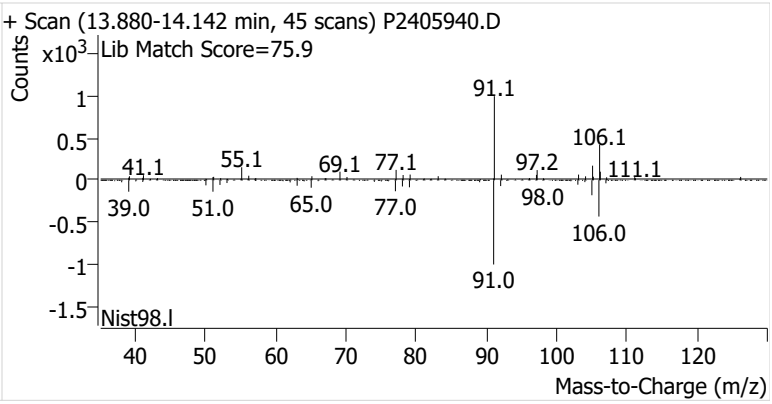
m-/p-Xylene





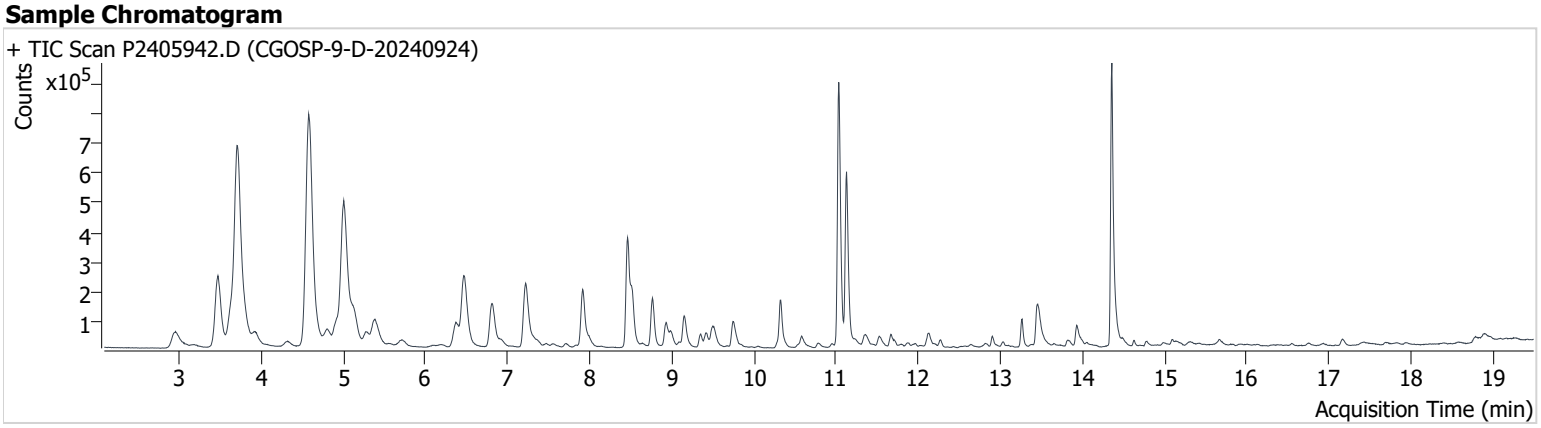
o-Xylene


+ EIC (91.1) Scan P2405940.D
Counts
x10^4
5
4
3
2
1
0
13.928 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.880-14.142 min, 45 scans) P2405940.D
Counts
x10^3
Lib Match Score=75.9
1
0.5
0
-0.5
-1
-1.5
91.1
106.1
41.1
55.1
69.1
77.1
97.2
111.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

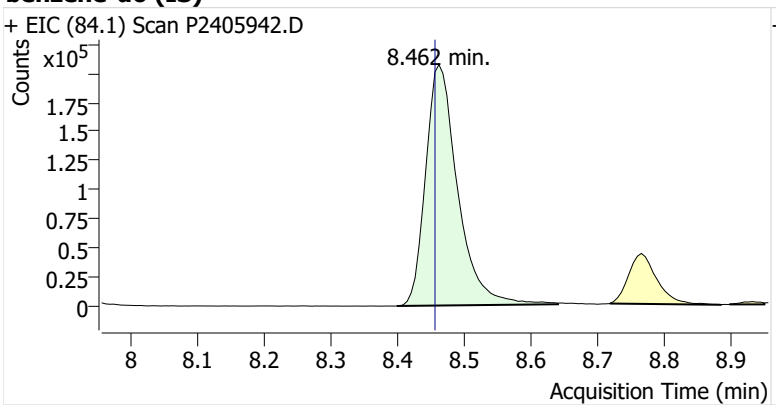
Name	CGOSP-9-D-20240924
Comment	B47130
Data File	P2405942.D
Acq. Date-Time	10/15/2024 2:19:50 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

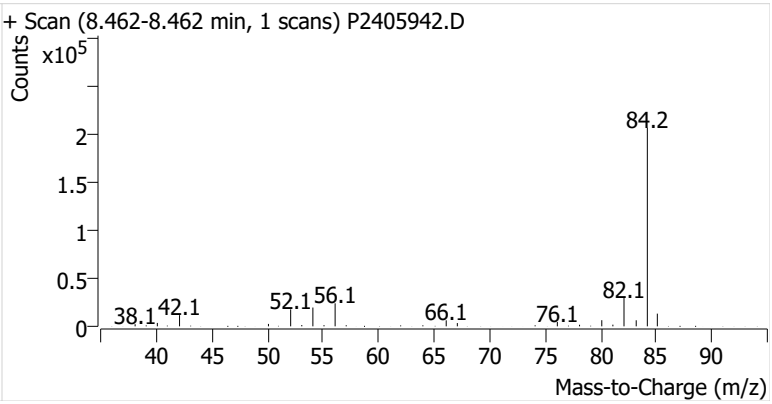
Sample Chromatogram



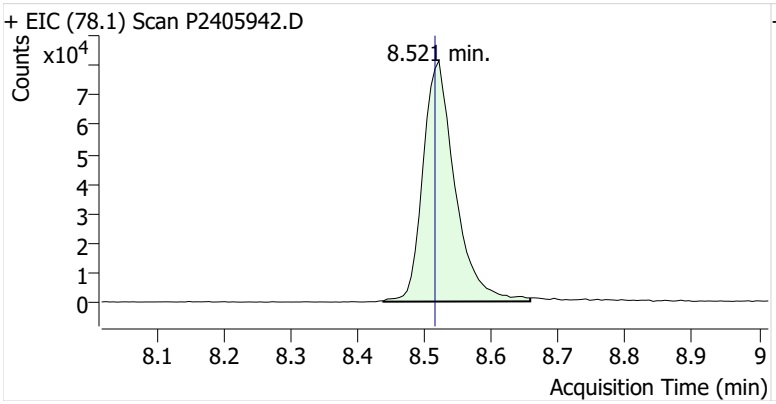
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.462	8.456	688,272	
Benzene	benzene-d6 (IS)	8.521	8.515	270,885	
Toluene-d8 (IS)		11.032	11.032	985,225	
Toluene	Toluene-d8 (IS)	11.127	11.121	684,912	
Ethylbenzene	Toluene-d8 (IS)	13.258	13.252	97,384	
m-/p-Xylene	Toluene-d8 (IS)	13.453	13.459	235,779	
o-Xylene	Toluene-d8 (IS)	13.934	13.922	93,665	

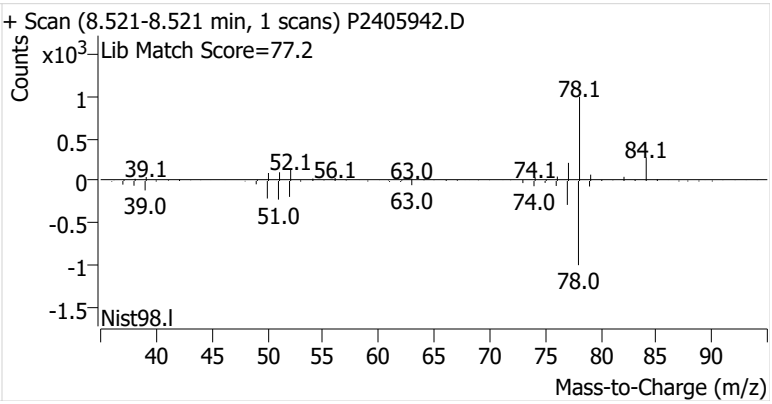
benzene-d6 (IS)



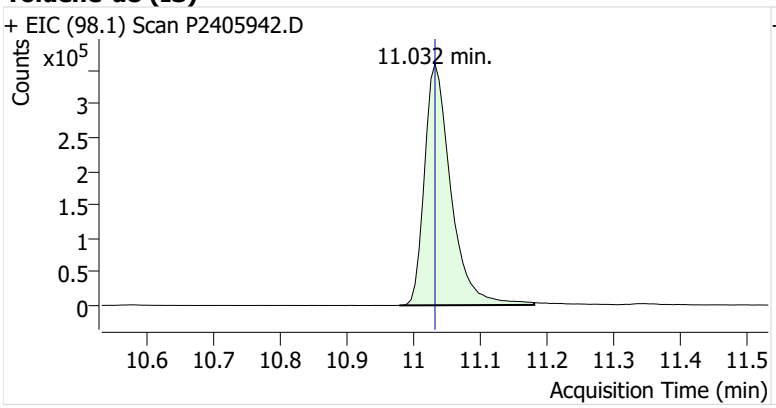


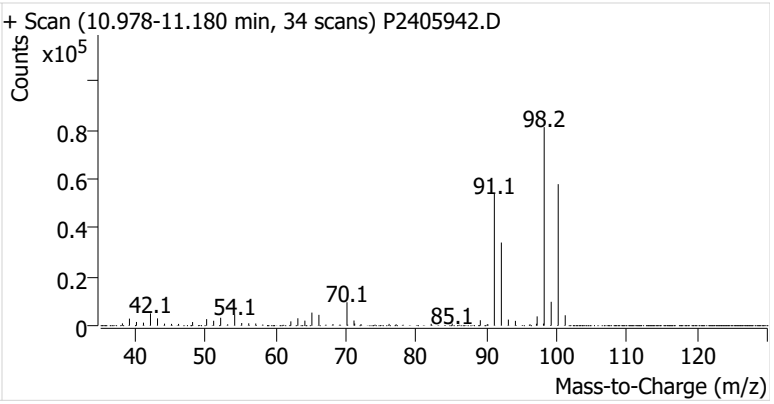
Benzene



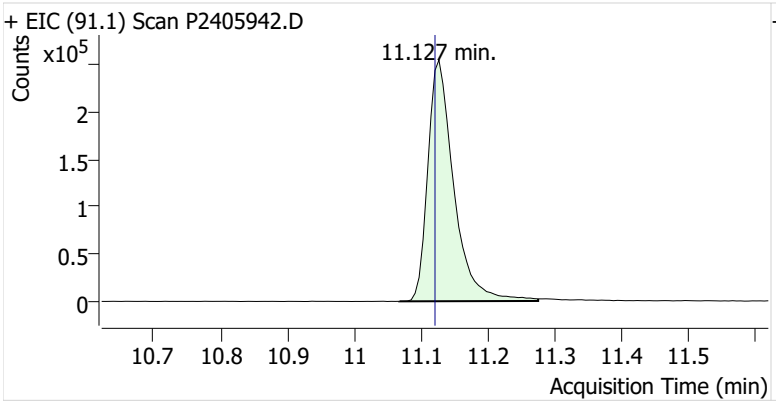


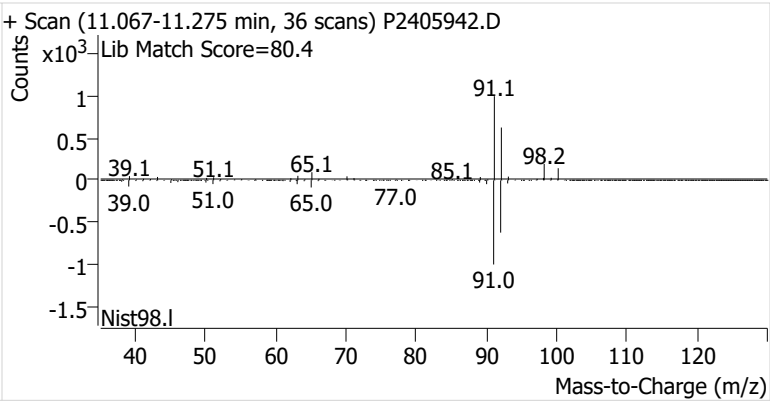
Toluene-d8 (IS)



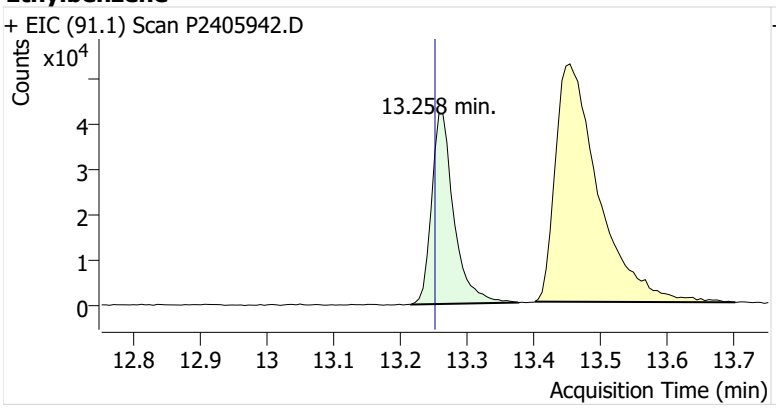


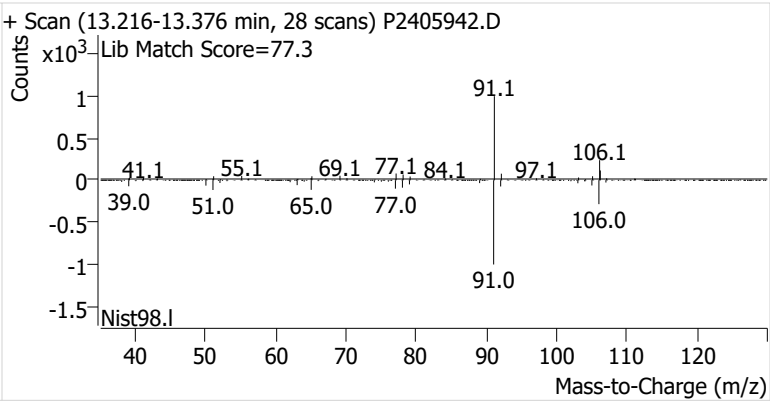
Toluene



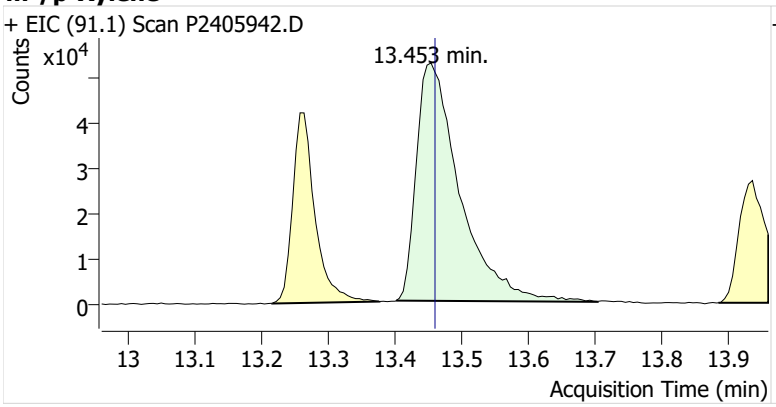


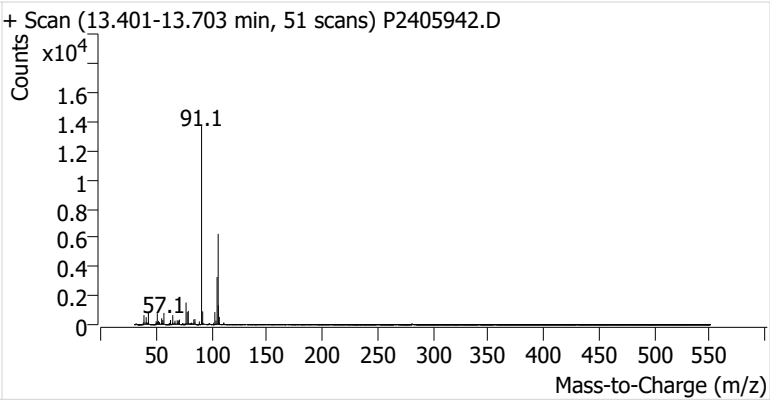
Ethylbenzene



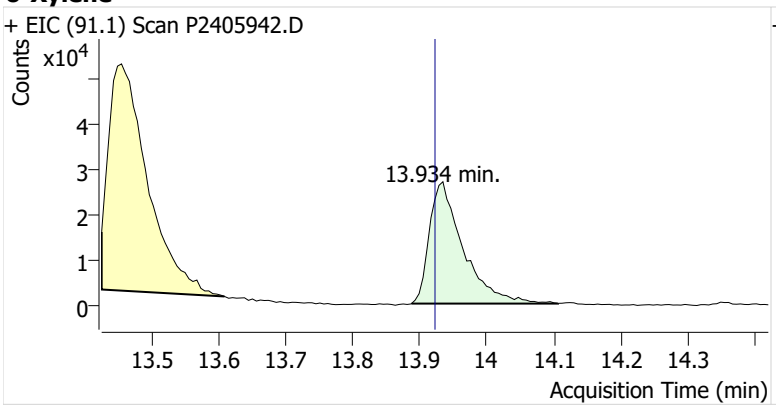


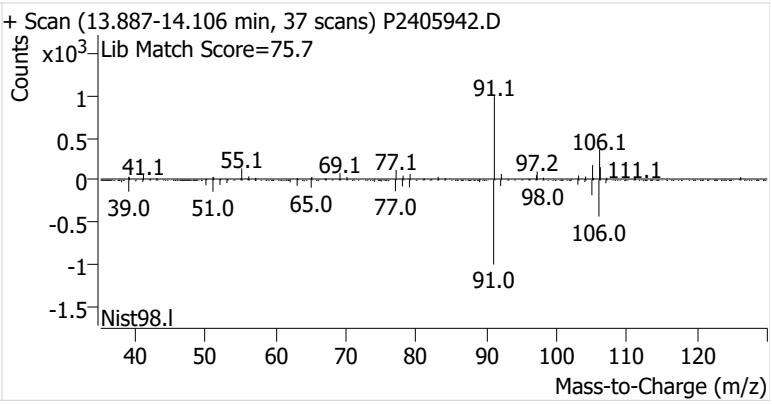
m-/p-Xylene





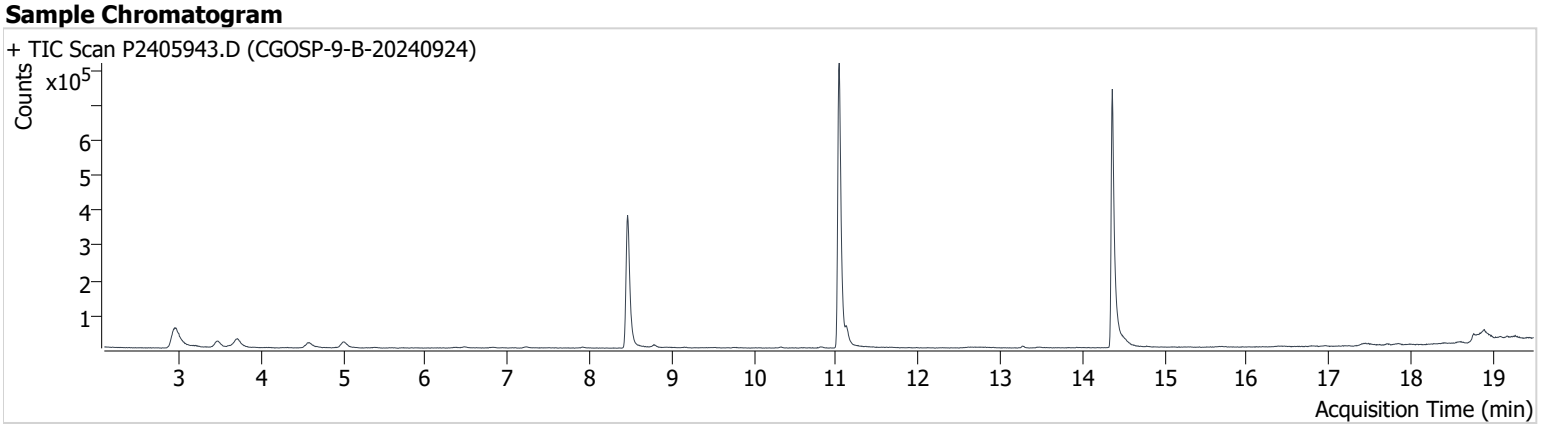
o-Xylene


+ EIC (91.1) Scan P2405942.D
Counts
x10^4
4
3
2
1
0
13.934 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.887-14.106 min, 37 scans) P2405942.D
Lib Match Score=75.7
Counts
x10^3
1
0.5
0
-0.5
-1
-1.5
91.1
106.1
41.1
55.1
69.1
77.1
97.2
111.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

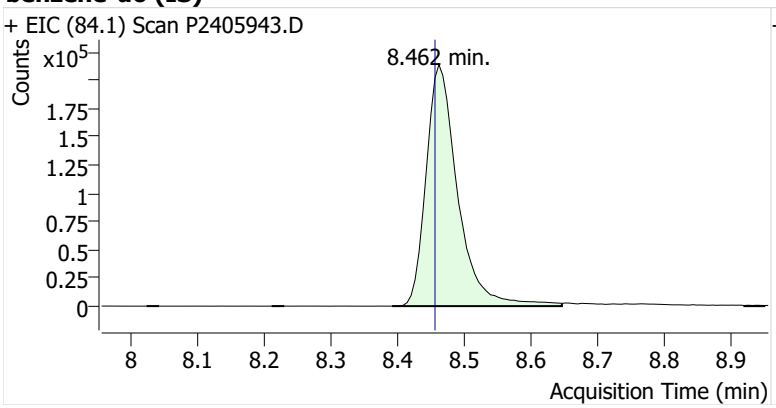
Name	CGOSP-9-B-20240924
Comment	B51065
Data File	P2405943.D
Acq. Date-Time	10/15/2024 2:57:07 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

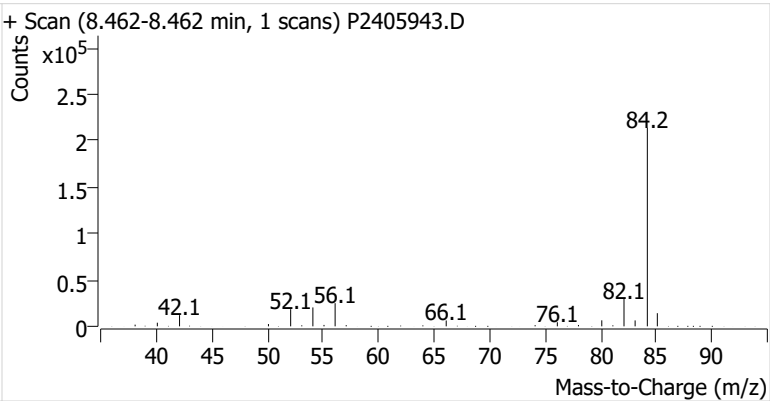
Sample Chromatogram



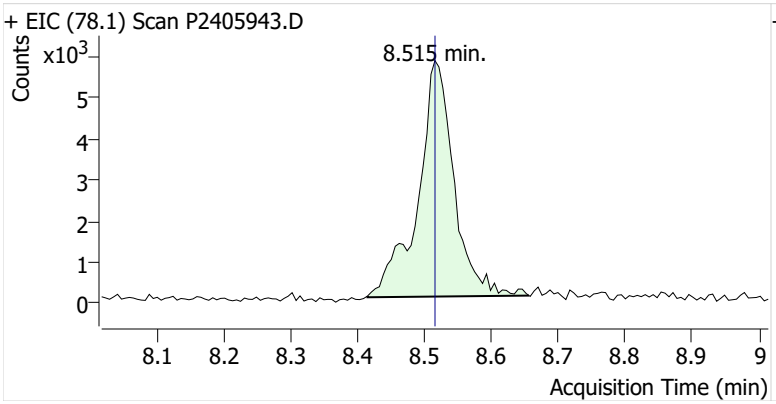
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.462	8.456	700,450	
Benzene	benzene-d6 (IS)	8.515	8.515	21,631	
Toluene-d8 (IS)		11.038	11.032	951,720	
Toluene	Toluene-d8 (IS)	11.133	11.121	44,863	
Ethylbenzene	Toluene-d8 (IS)	13.269	13.252	6,073	
m-/p-Xylene	Toluene-d8 (IS)	13.453	13.459	4,375	
o-Xylene	Toluene-d8 (IS)	13.928	13.922	1,433	

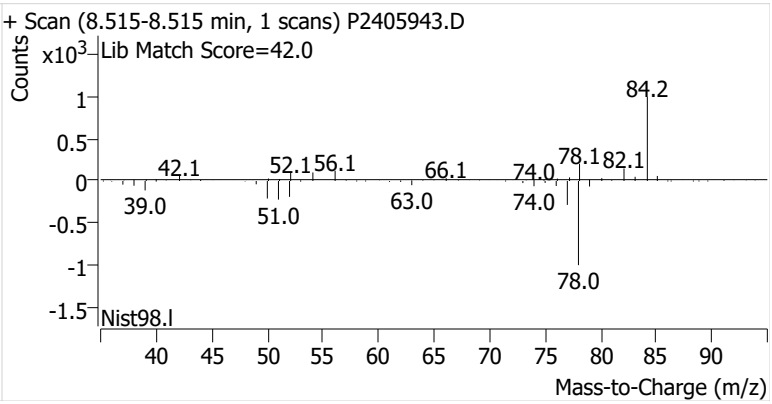
benzene-d6 (IS)



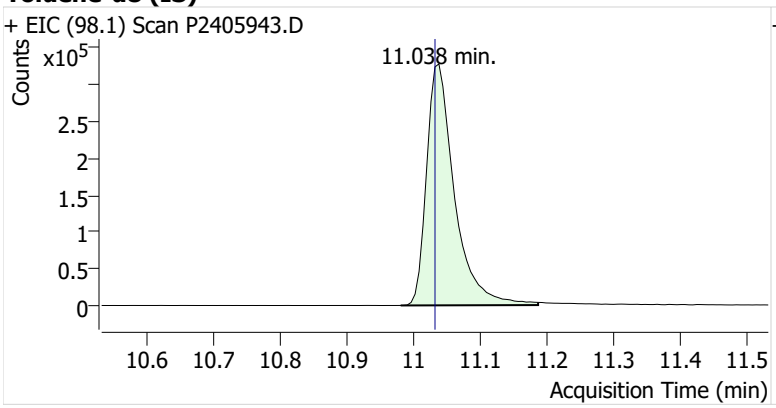


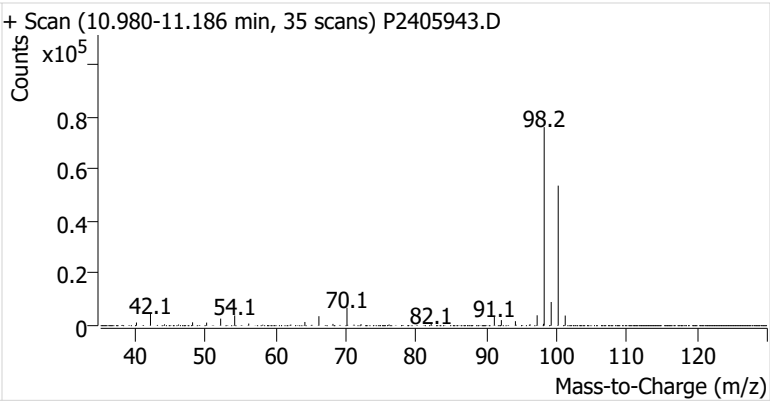
Benzene



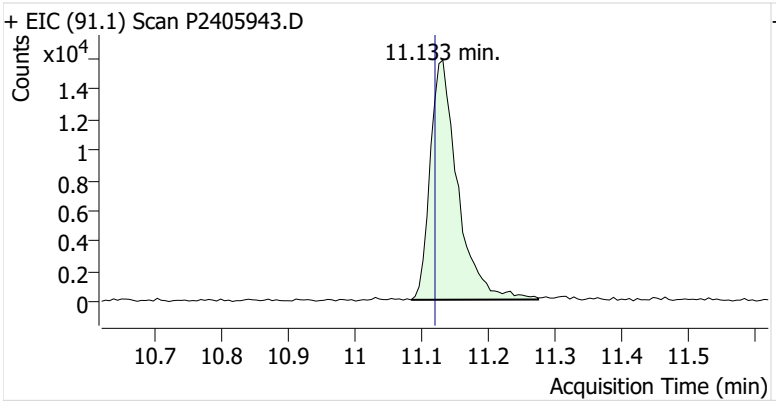


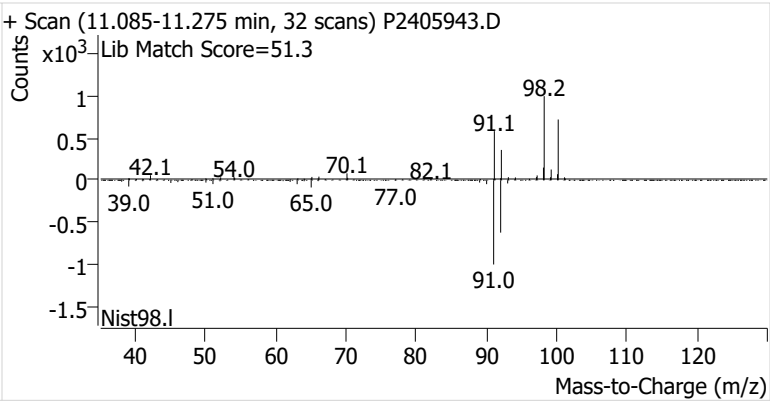
Toluene-d8 (IS)



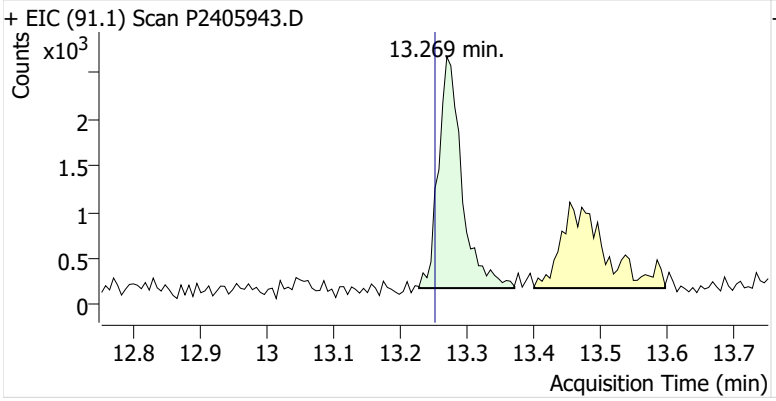


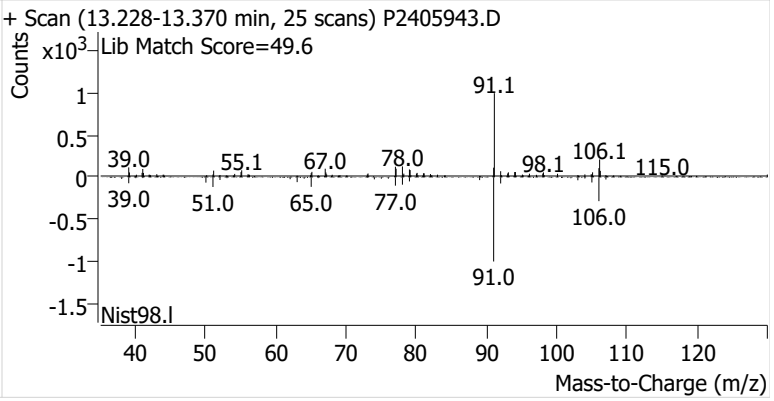
Toluene



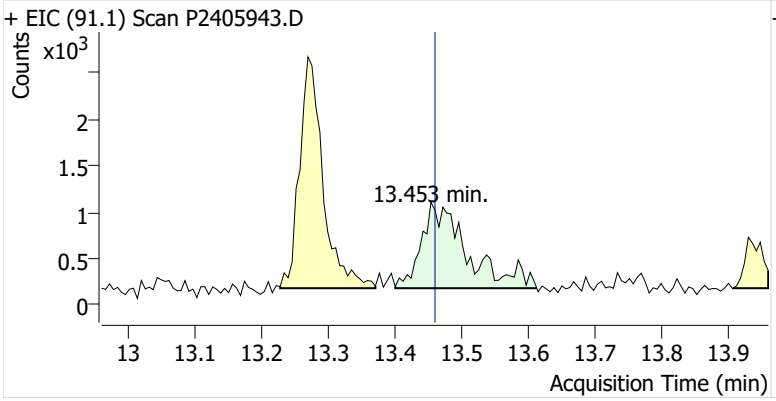


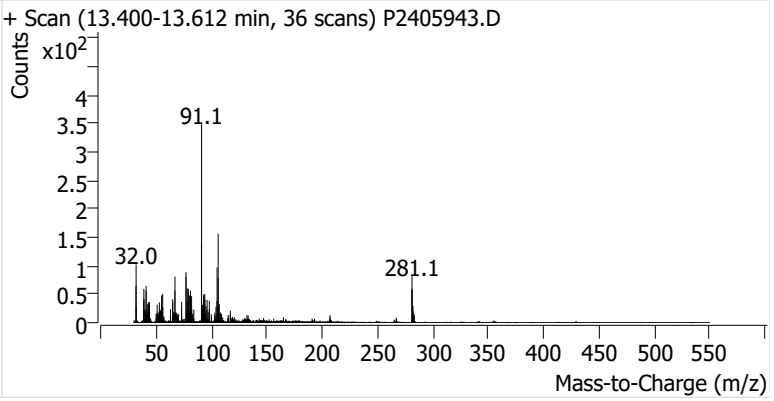
Ethylbenzene



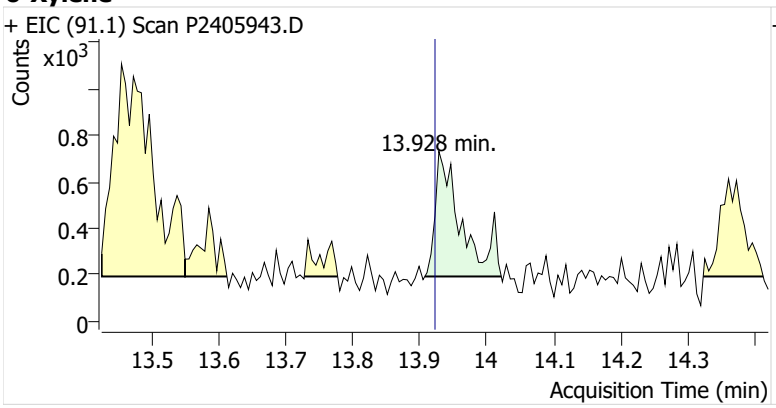


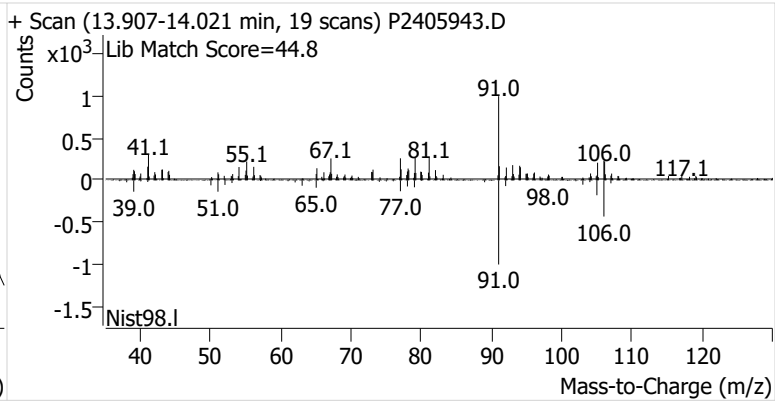
m-/p-Xylene





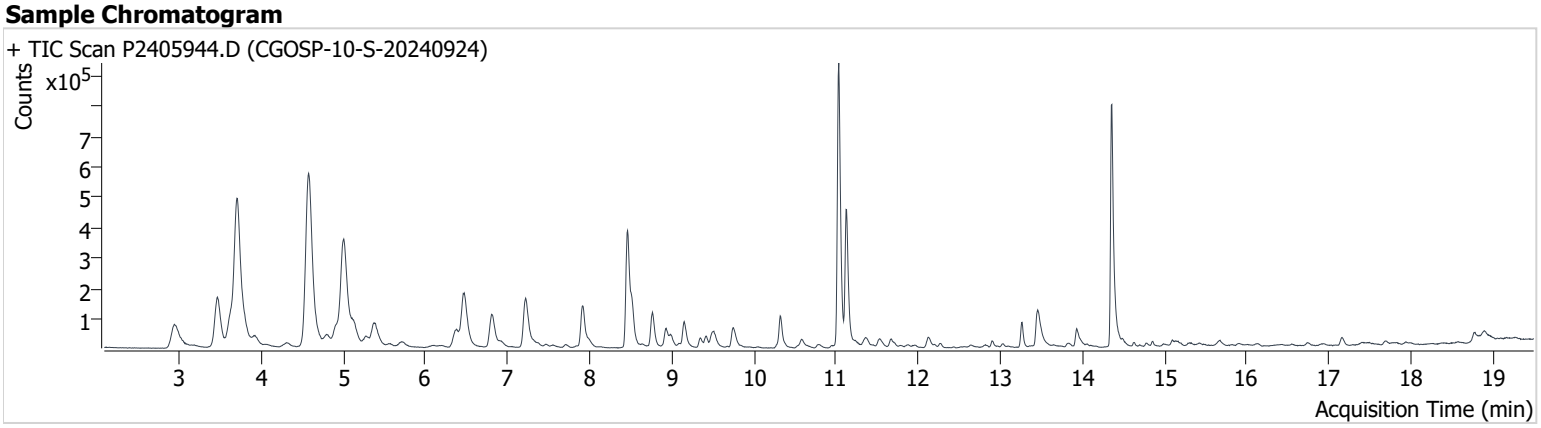
o-Xylene


+ EIC (91.1) Scan P2405943.D
Counts
x10^3
0.8
0.6
0.4
0.2
0
13.928 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.907-14.021 min, 19 scans) P2405943.D
Counts
x10^3
Lib Match Score=44.8
1
0.5
0
-0.5
-1
-1.5
91.0
41.1
55.1
67.1
81.1
106.0
117.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

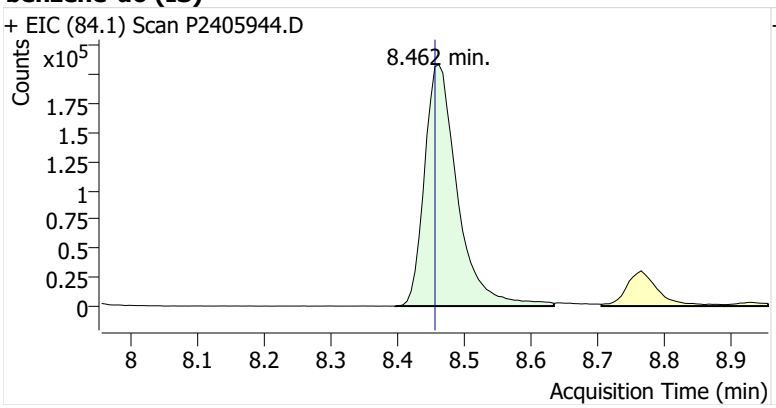
Name	CGOSP-10-S-20240924
Comment	C37469
Data File	P2405944.D
Acq. Date-Time	10/15/2024 3:34:25 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

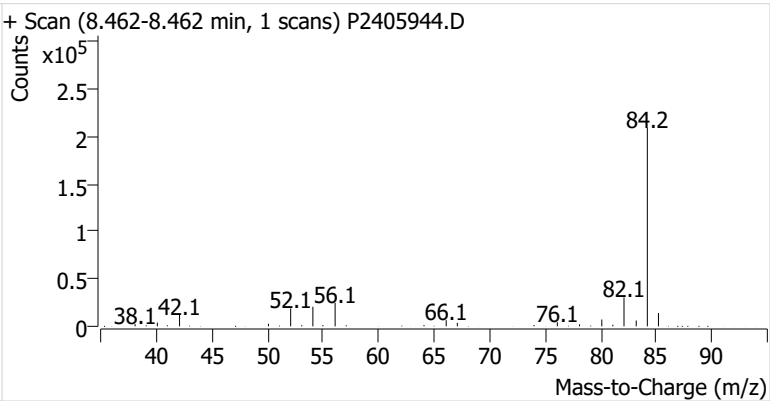
Sample Chromatogram



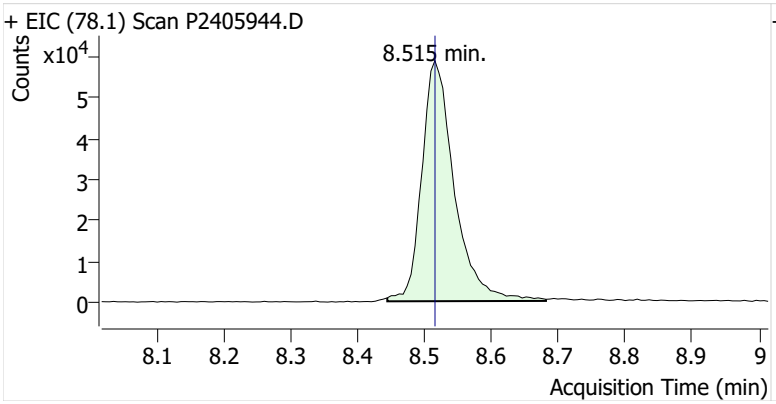
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.462	8.456	715,384	
Benzene	benzene-d6 (IS)	8.515	8.515	199,124	
Toluene-d8 (IS)		11.032	11.032	1,025,285	
Toluene	Toluene-d8 (IS)	11.121	11.121	525,080	
Ethylbenzene	Toluene-d8 (IS)	13.257	13.252	88,945	
m-/p-Xylene	Toluene-d8 (IS)	13.453	13.459	202,069	
o-Xylene	Toluene-d8 (IS)	13.928	13.922	79,063	

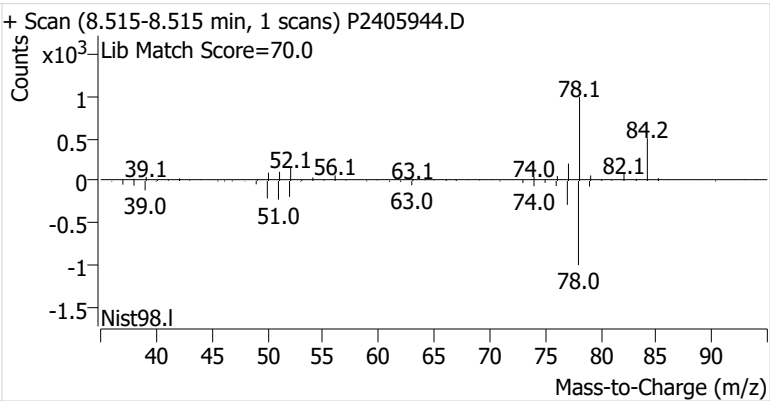
benzene-d6 (IS)



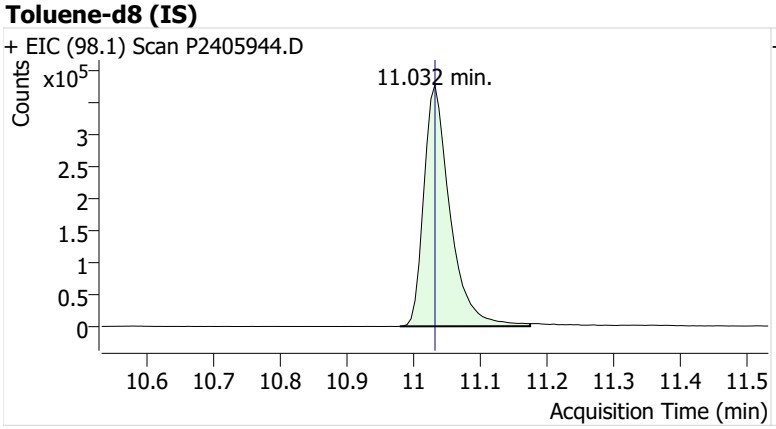


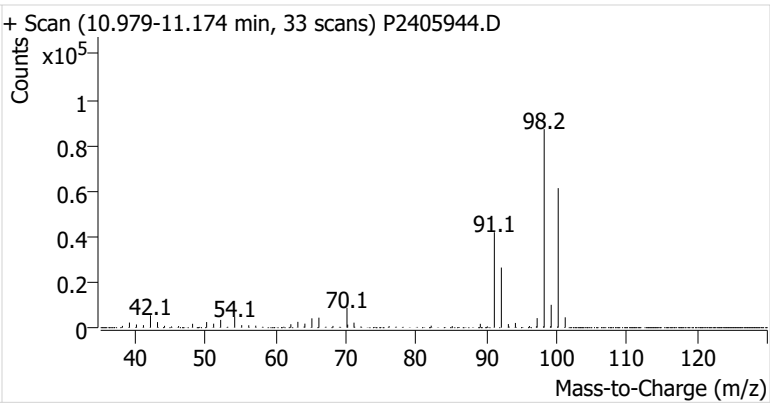
Benzene



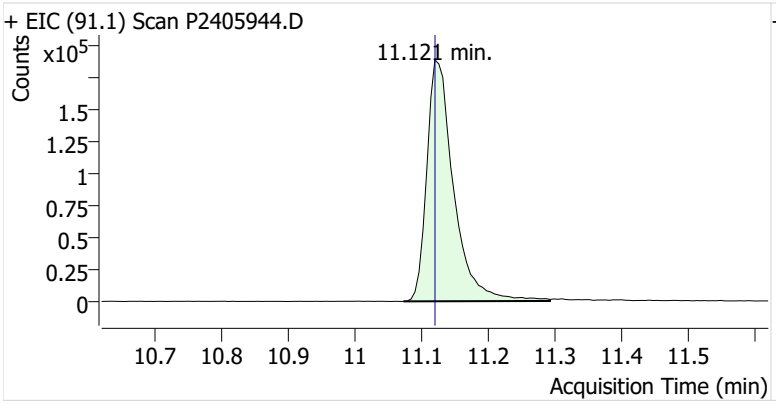


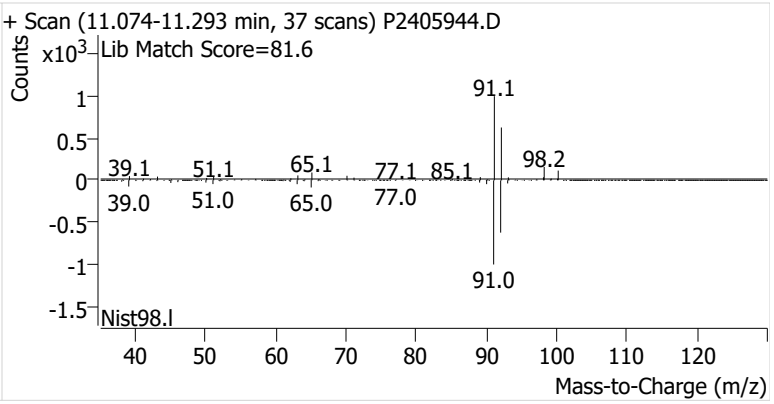
Toluene-d8 (IS)



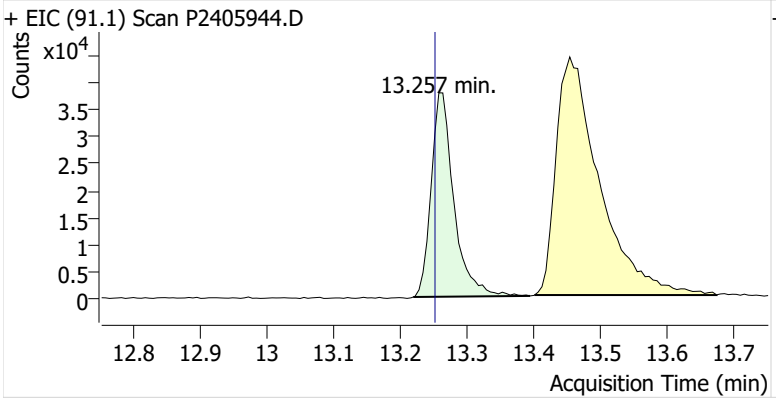


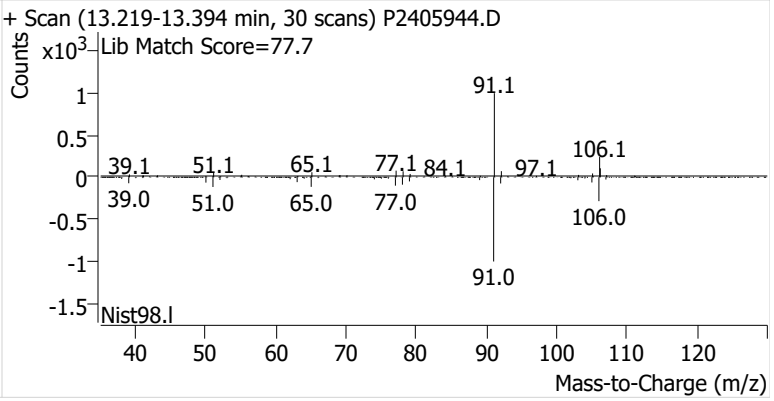
Toluene



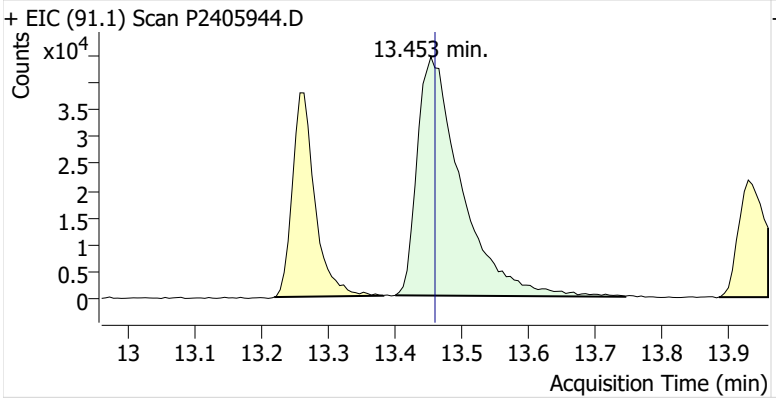


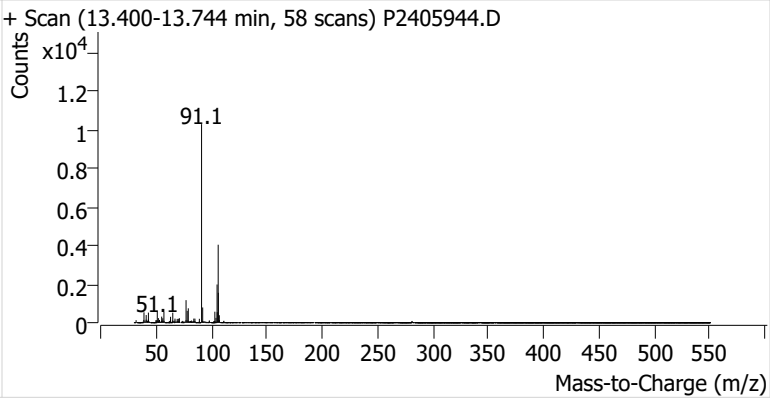
Ethylbenzene



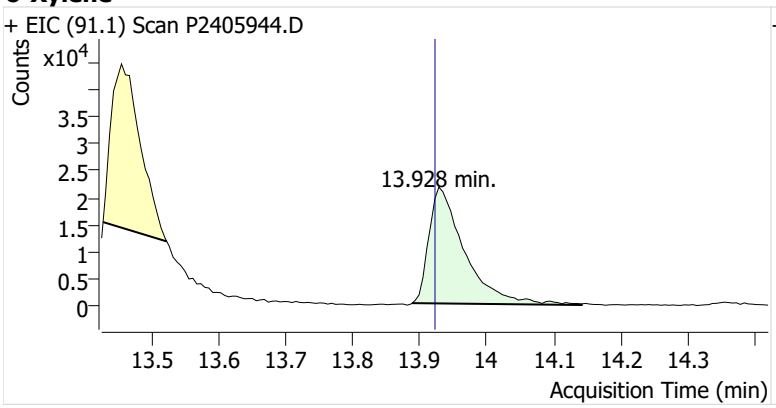


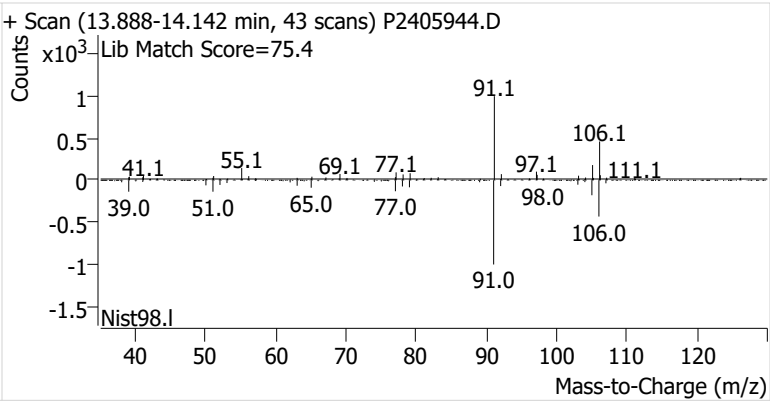
m-/p-Xylene





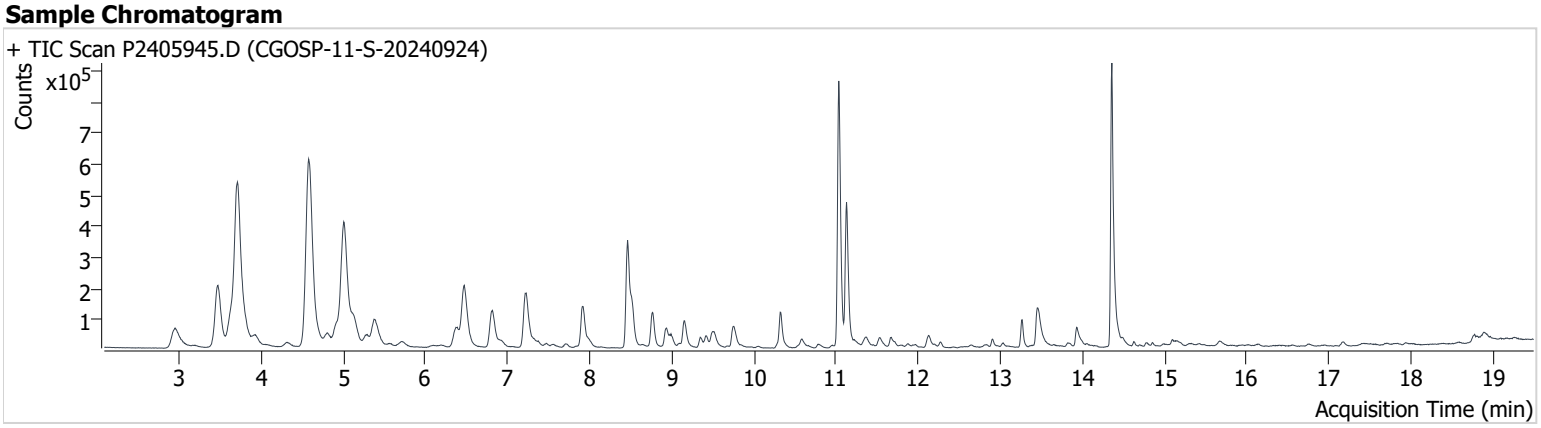
o-Xylene


+ EIC (91.1) Scan P2405944.D
Counts
x10^4
3.5
3
2.5
2
1.5
1
0.5
0
13.928 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.888-14.142 min, 43 scans) P2405944.D
Lib Match Score=75.4
Counts
x10^3
1
0.5
0
-0.5
-1
-1.5
91.1
106.1
41.1
55.1
69.1
77.1
97.1
111.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

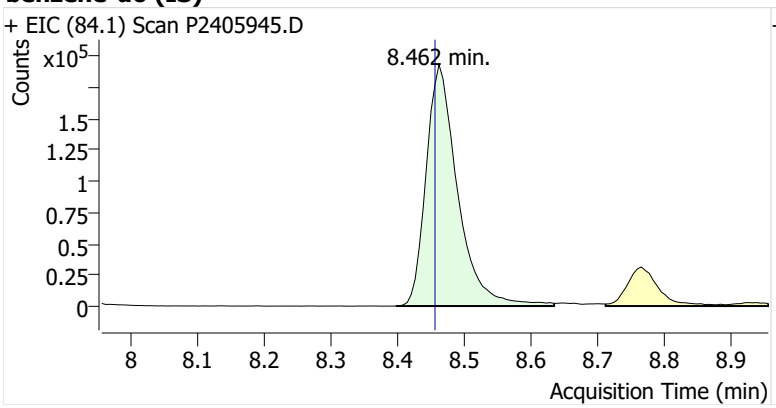
Name	CGOSP-11-S-20240924
Comment	B52796
Data File	P2405945.D
Acq. Date-Time	10/15/2024 4:11:43 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

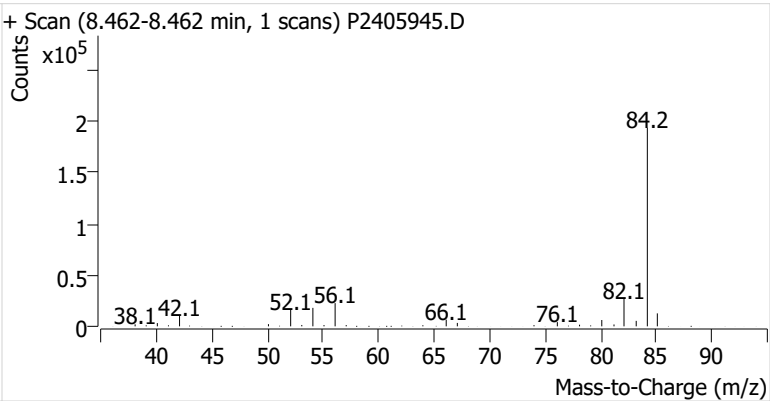
Sample Chromatogram



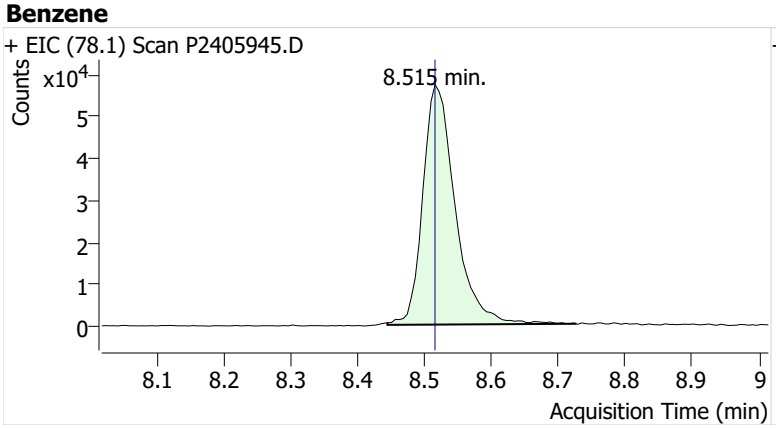
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.462	8.456	633,381	
Benzene	benzene-d6 (IS)	8.515	8.515	192,781	
Toluene-d8 (IS)		11.032	11.032	927,607	
Toluene	Toluene-d8 (IS)	11.127	11.121	537,684	
Ethylbenzene	Toluene-d8 (IS)	13.264	13.252	97,895	
m-/p-Xylene	Toluene-d8 (IS)	13.448	13.459	205,601	
o-Xylene	Toluene-d8 (IS)	13.928	13.922	84,263	

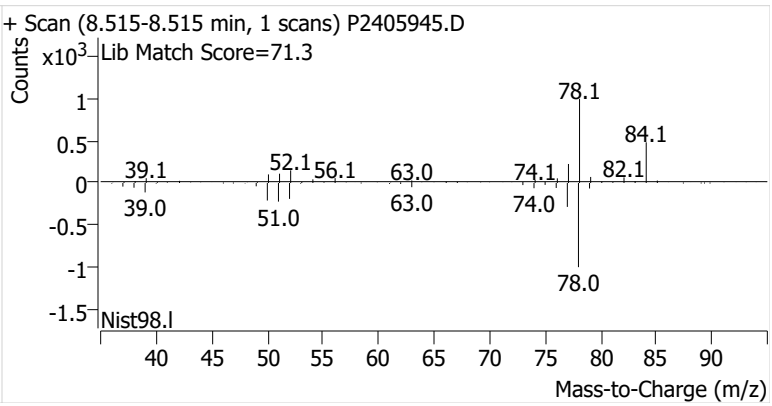
benzene-d6 (IS)



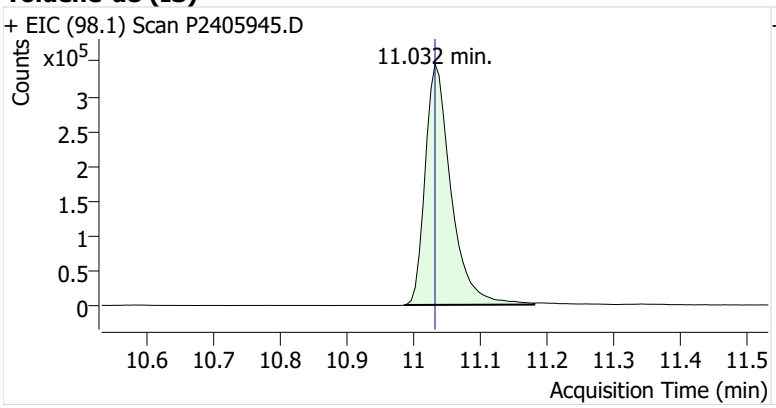


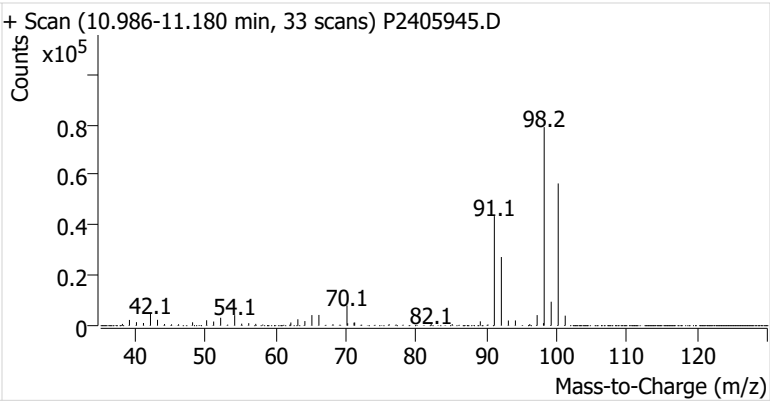
Benzene



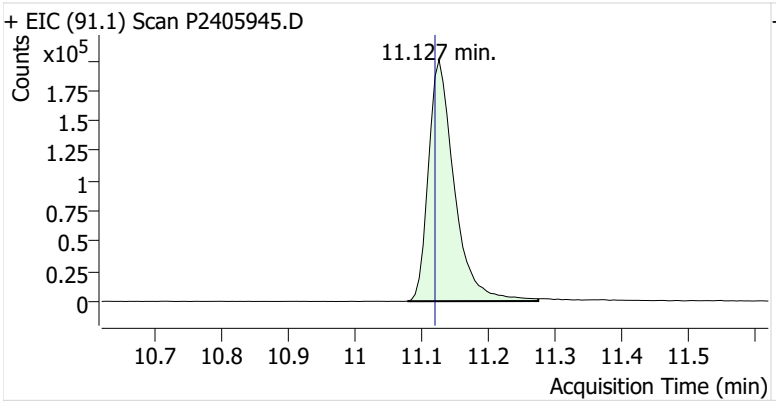


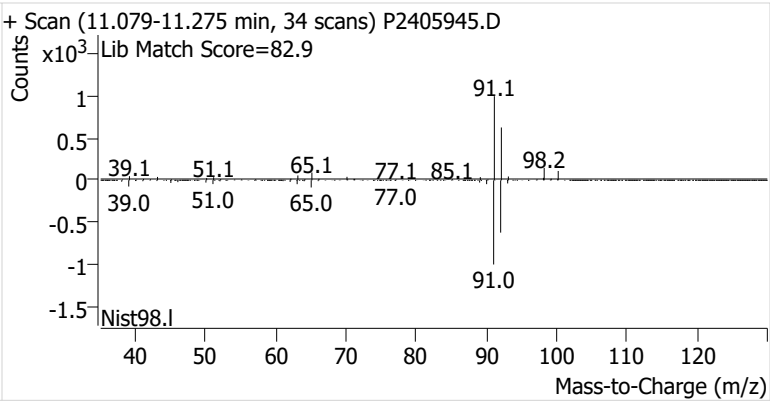
Toluene-d8 (IS)



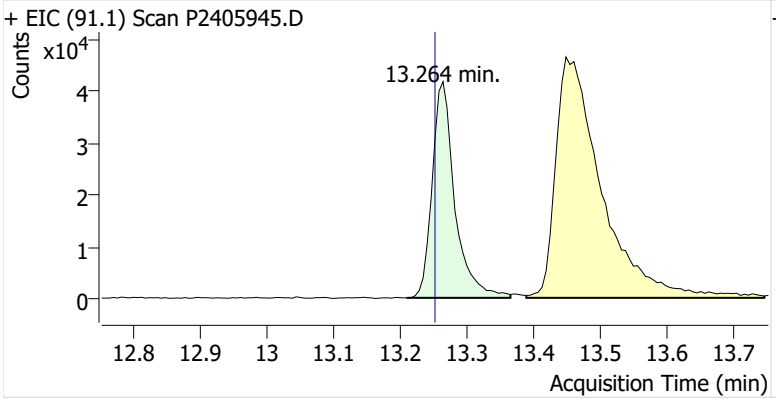


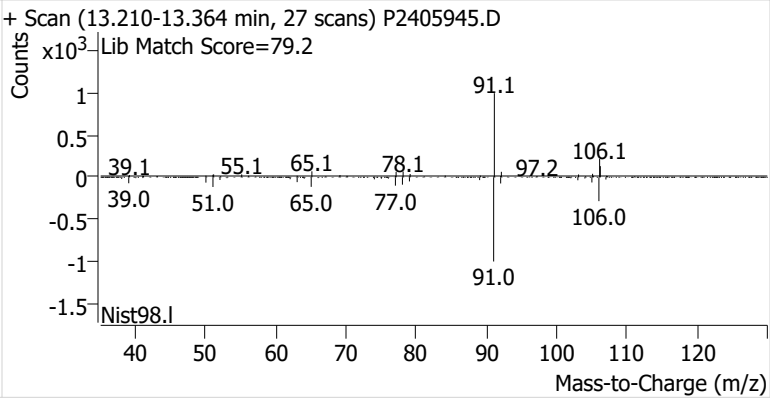
Toluene



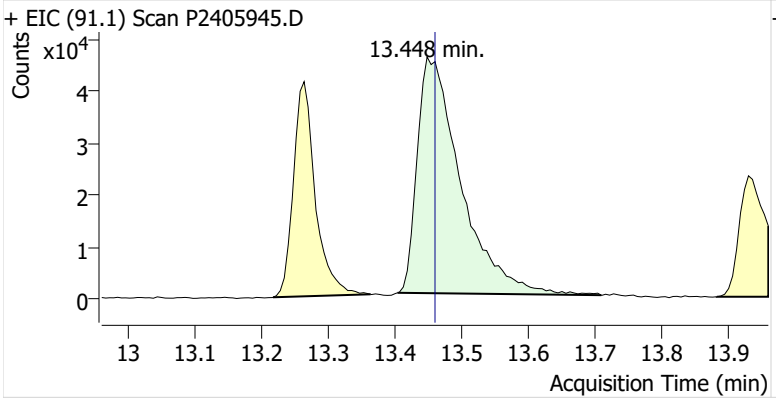


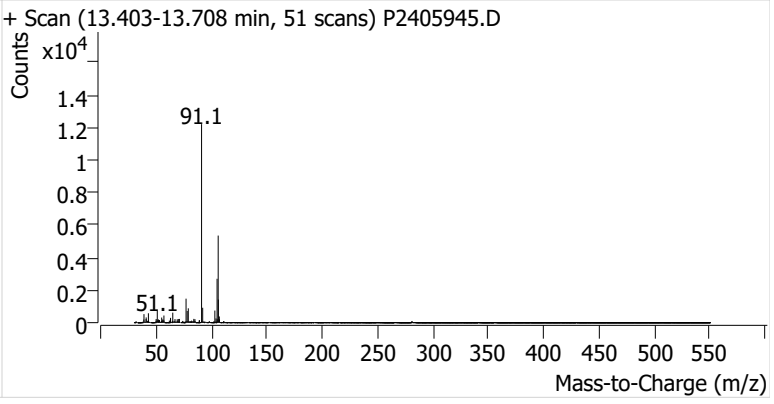
Ethylbenzene



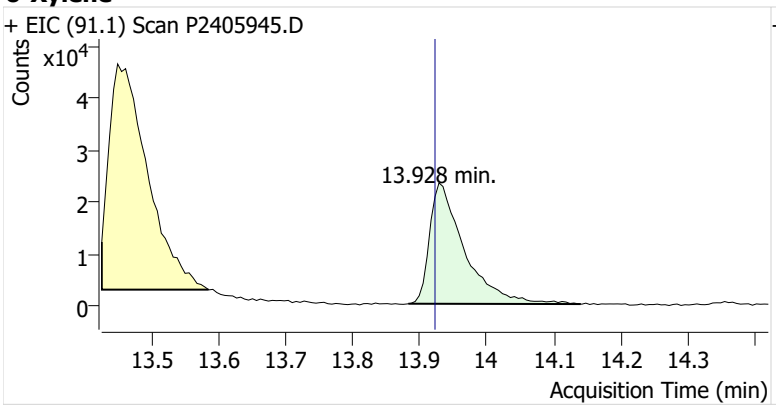


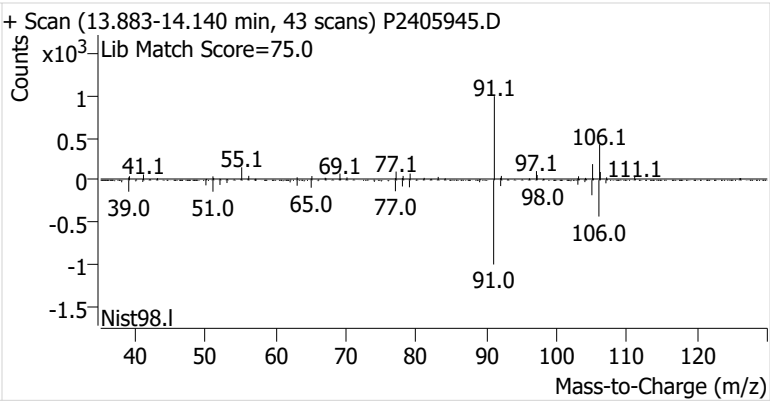
m-/p-Xylene





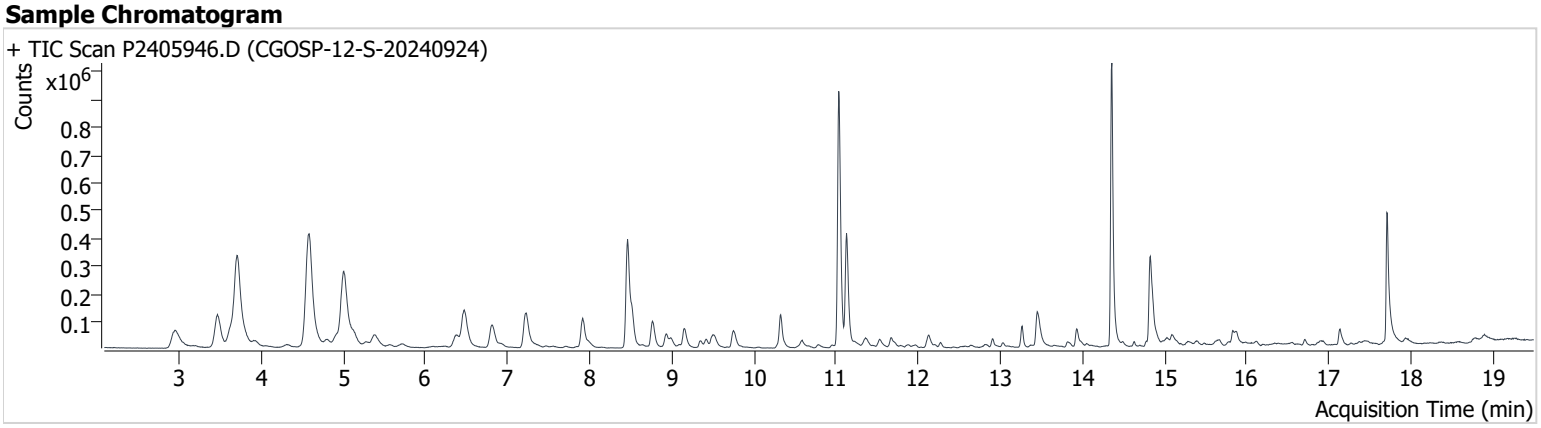
o-Xylene


+ EIC (91.1) Scan P2405945.D
Counts
x10^4
4
3
2
1
0
13.928 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.883-14.140 min, 43 scans) P2405945.D
Counts
x10^3
Lib Match Score=75.0
1
0.5
0
-0.5
-1
-1.5
91.1
106.1
41.1
55.1
69.1
77.1
97.1
111.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

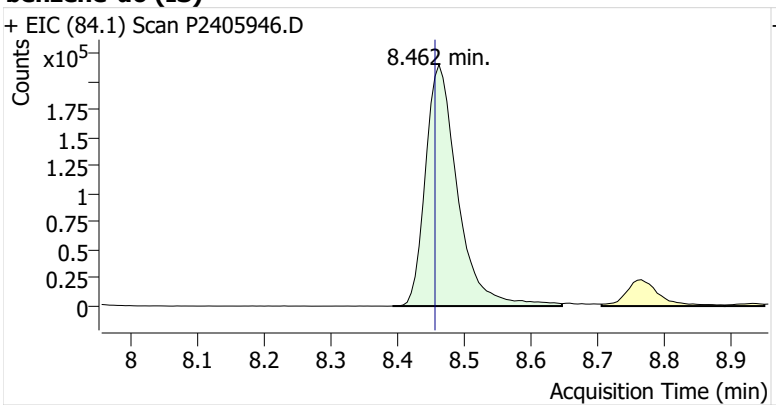
Name	CGOSP-12-S-20240924
Comment	C17166
Data File	P2405946.D
Acq. Date-Time	10/15/2024 4:48:59 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

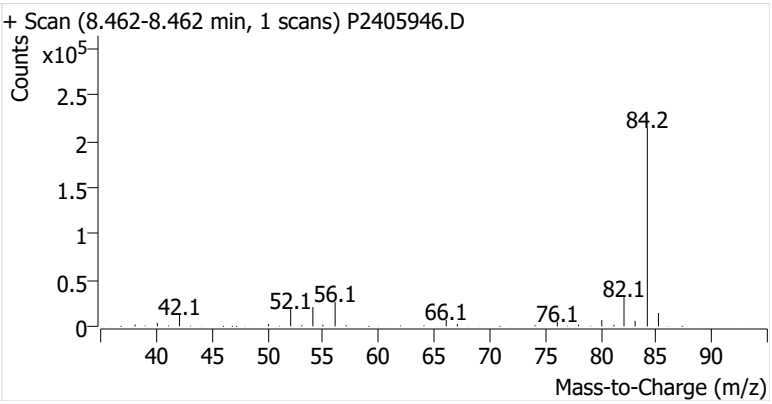
Sample Chromatogram



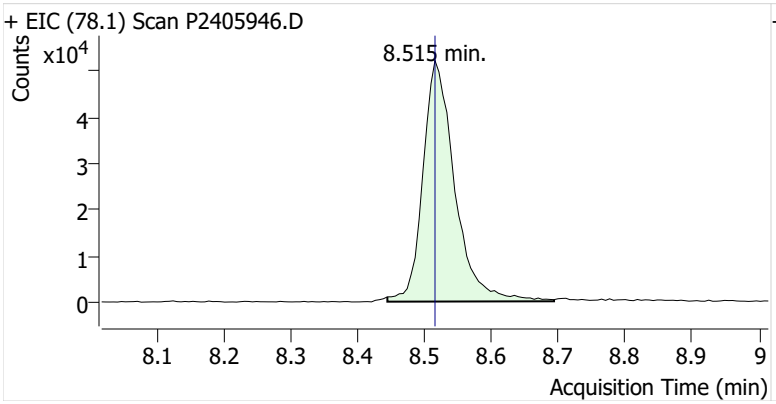
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.462	8.456	715,717	
Benzene	benzene-d6 (IS)	8.515	8.515	172,785	
Toluene-d8 (IS)		11.032	11.032	985,634	
Toluene	Toluene-d8 (IS)	11.127	11.121	463,814	
Ethylbenzene	Toluene-d8 (IS)	13.263	13.252	74,755	
m-/p-Xylene	Toluene-d8 (IS)	13.447	13.459	178,592	
o-Xylene	Toluene-d8 (IS)	13.934	13.922	72,438	

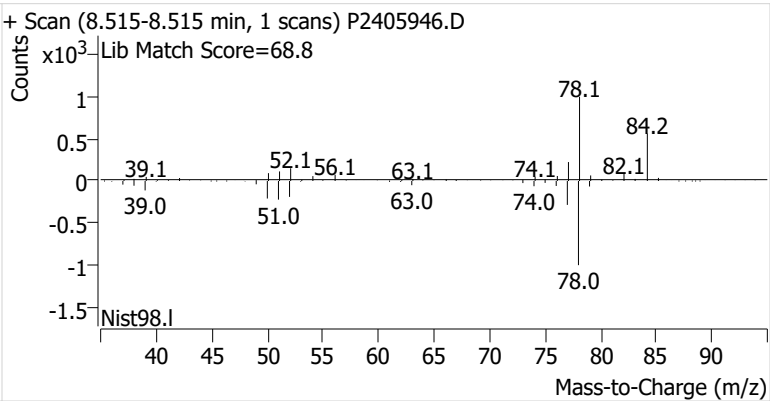
benzene-d6 (IS)



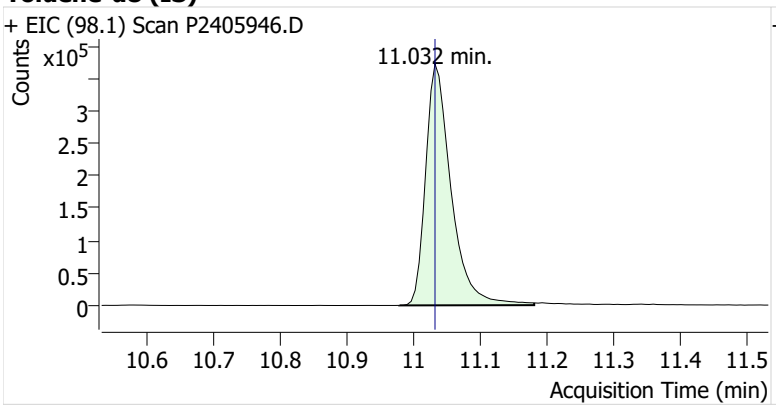


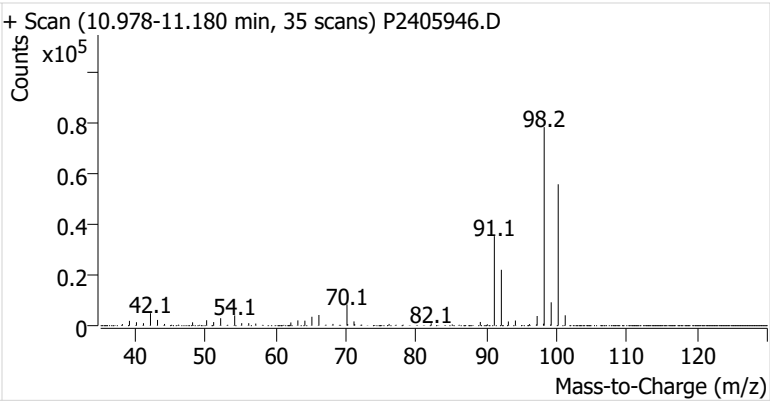
Benzene



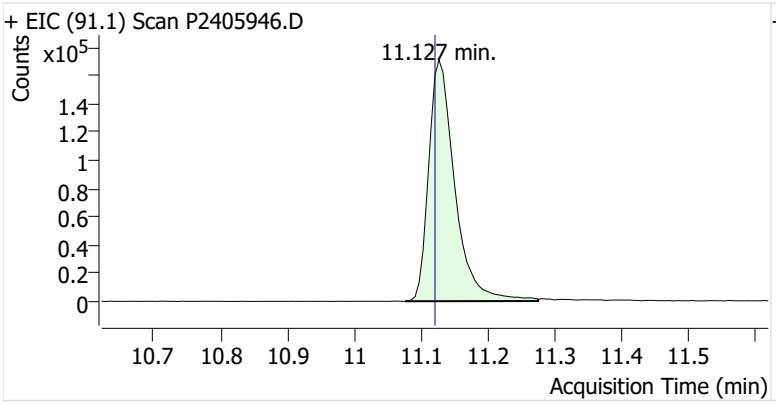


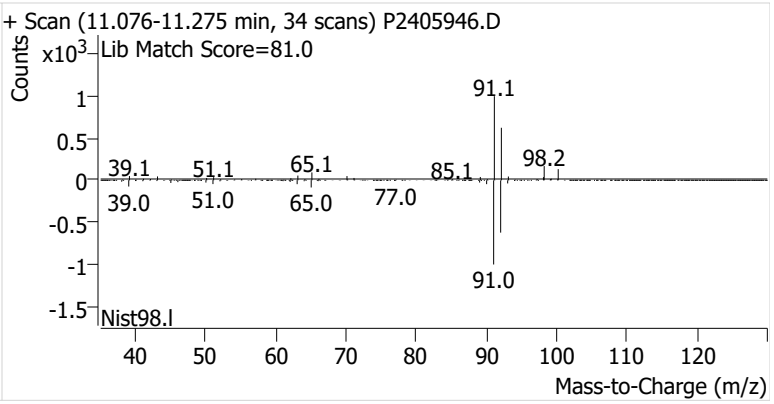
Toluene-d8 (IS)



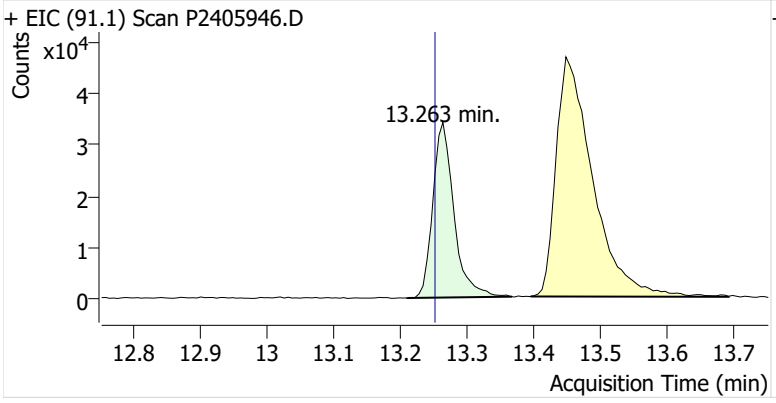


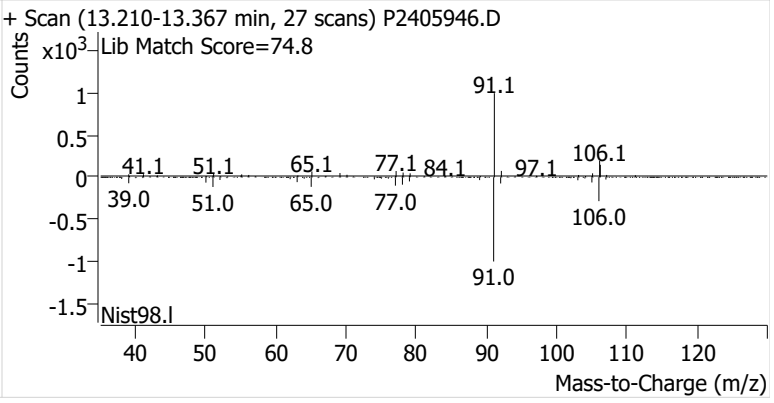
Toluene



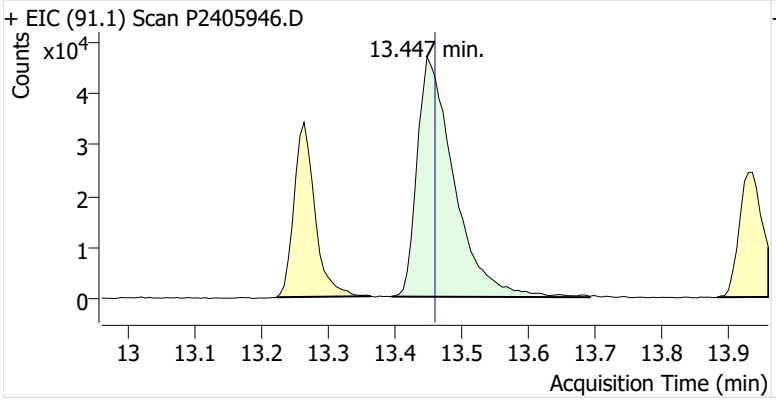


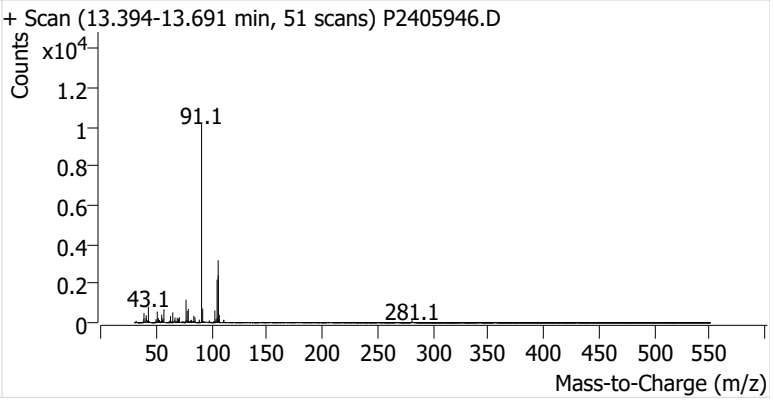
Ethylbenzene



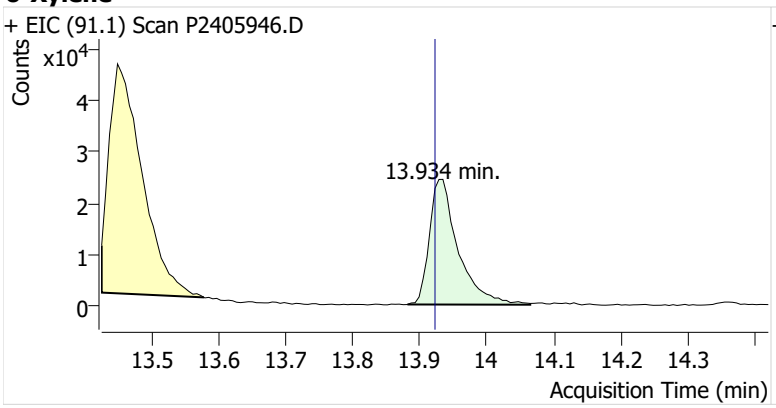


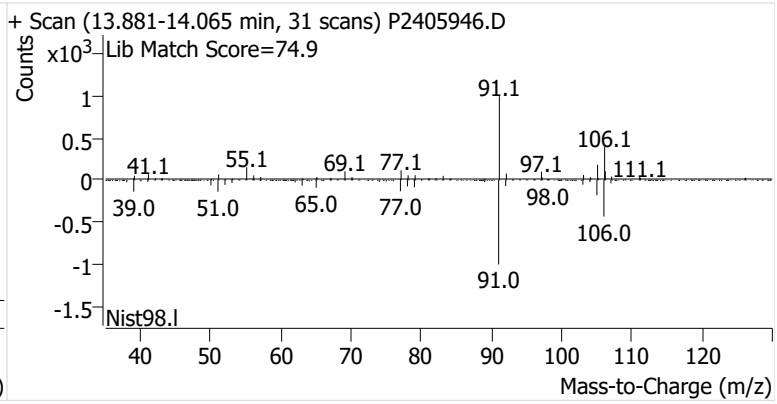
m-/p-Xylene





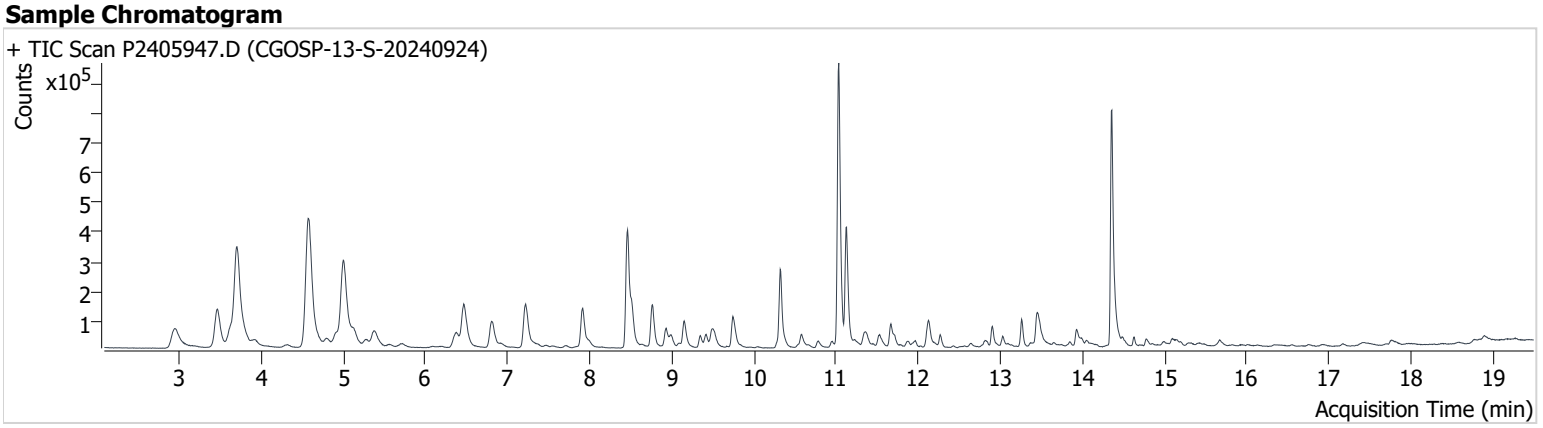
o-Xylene


+ EIC (91.1) Scan P2405946.D
Counts
x10^4
4
3
2
1
0
13.934 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.881-14.065 min, 31 scans) P2405946.D
Counts
x10^3
Lib Match Score=74.9
1
0.5
0
-0.5
-1
-1.5
91.1
106.1
41.1
55.1
69.1
77.1
97.1
111.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

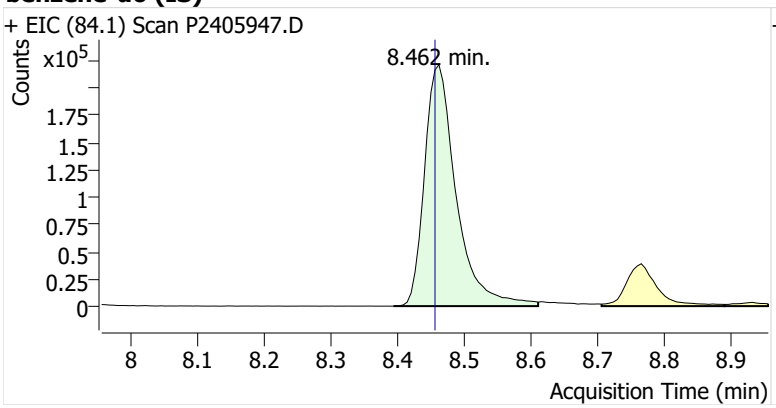
Name	CGOSP-13-S-20240924
Comment	B34757
Data File	P2405947.D
Acq. Date-Time	10/15/2024 5:26:35 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

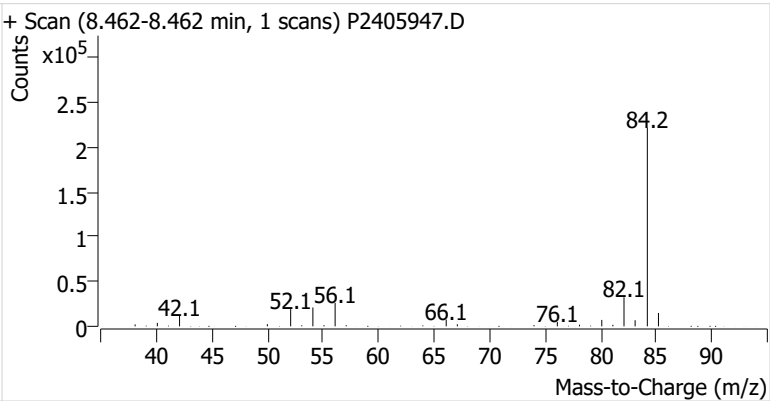
Sample Chromatogram



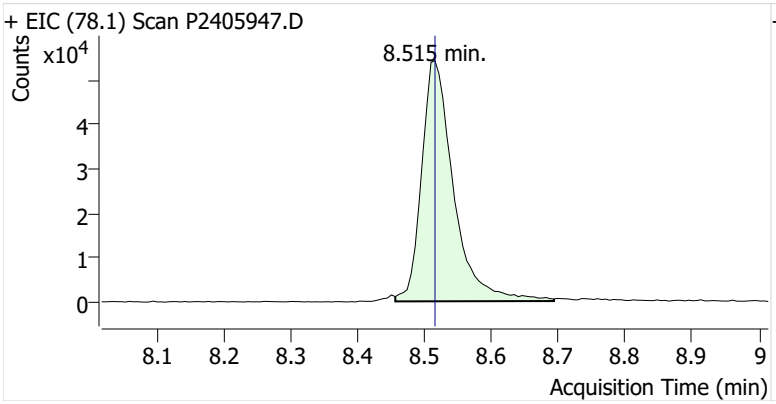
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.462	8.456	728,239	
Benzene	benzene-d6 (IS)	8.515	8.515	179,983	
Toluene-d8 (IS)		11.032	11.032	1,023,382	
Toluene	Toluene-d8 (IS)	11.127	11.121	454,364	
Ethylbenzene	Toluene-d8 (IS)	13.258	13.252	94,315	
m-/p-Xylene	Toluene-d8 (IS)	13.447	13.459	186,512	
o-Xylene	Toluene-d8 (IS)	13.928	13.922	75,638	

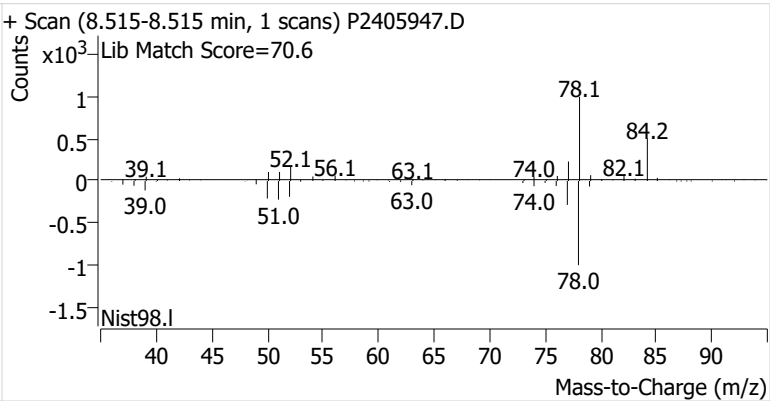
benzene-d6 (IS)



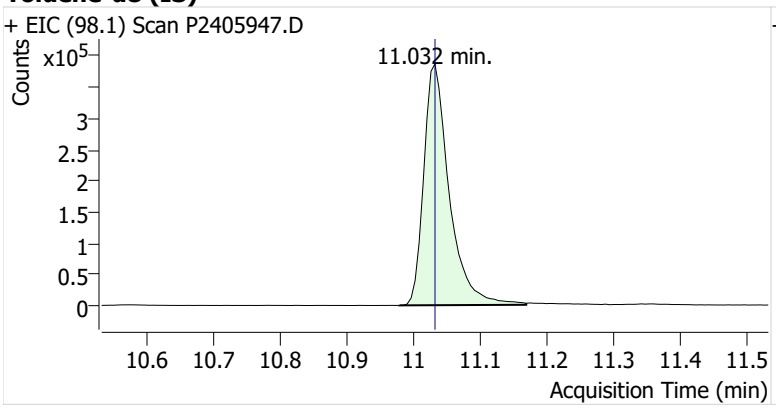


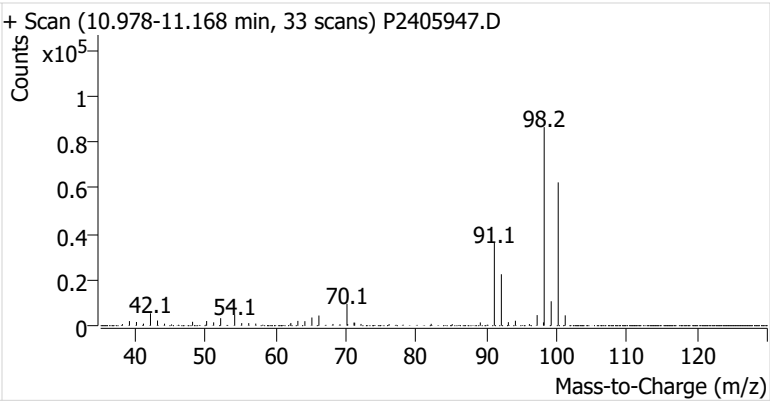
Benzene



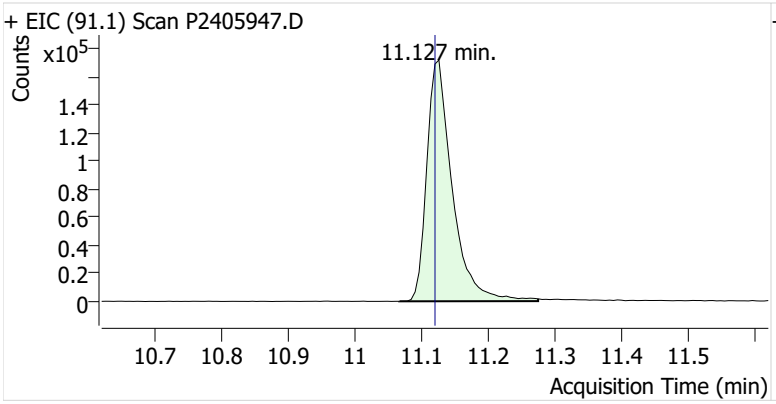


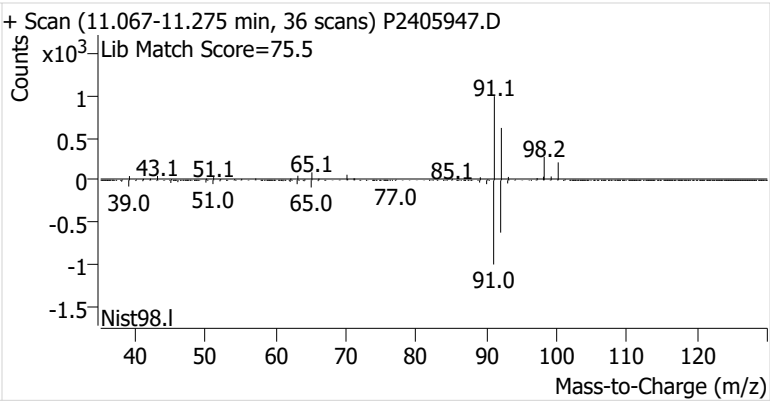
Toluene-d8 (IS)



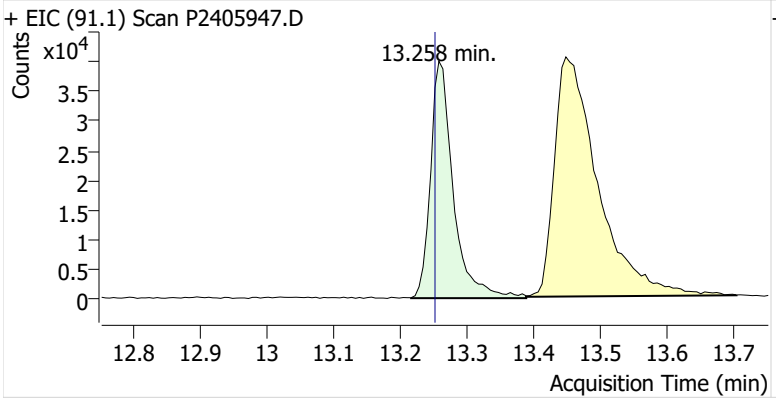


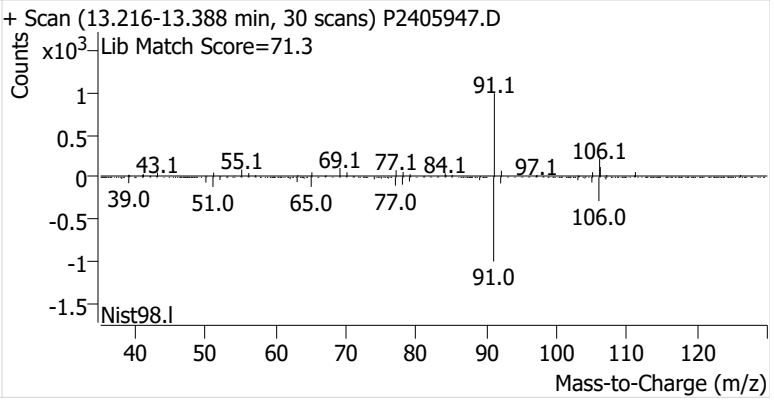
Toluene



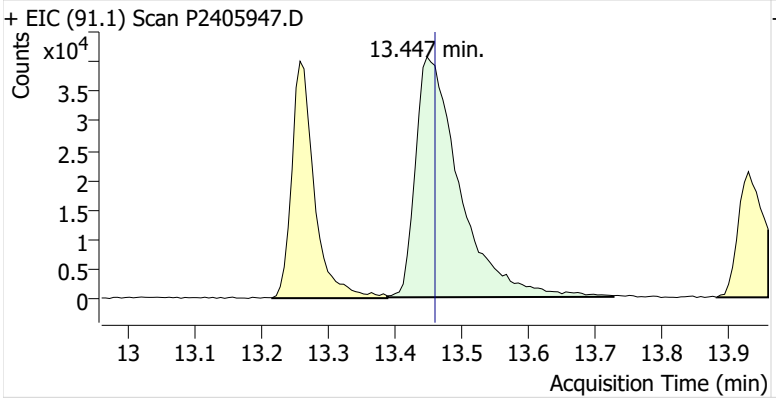


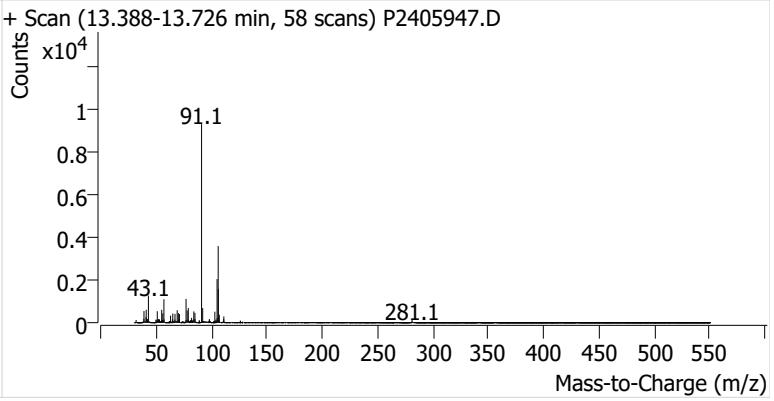
Ethylbenzene



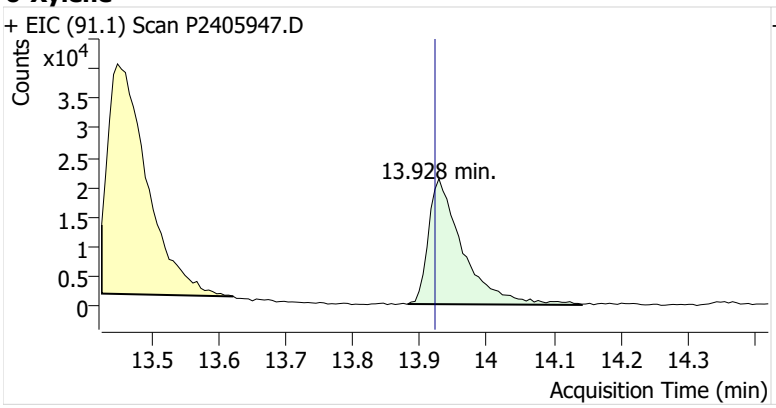


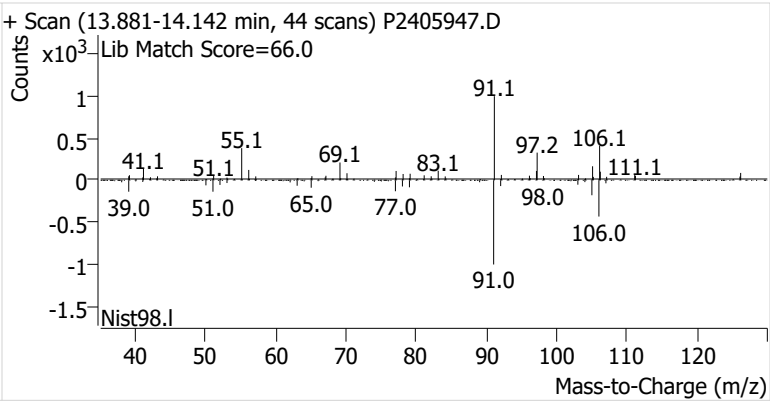
m-/p-Xylene





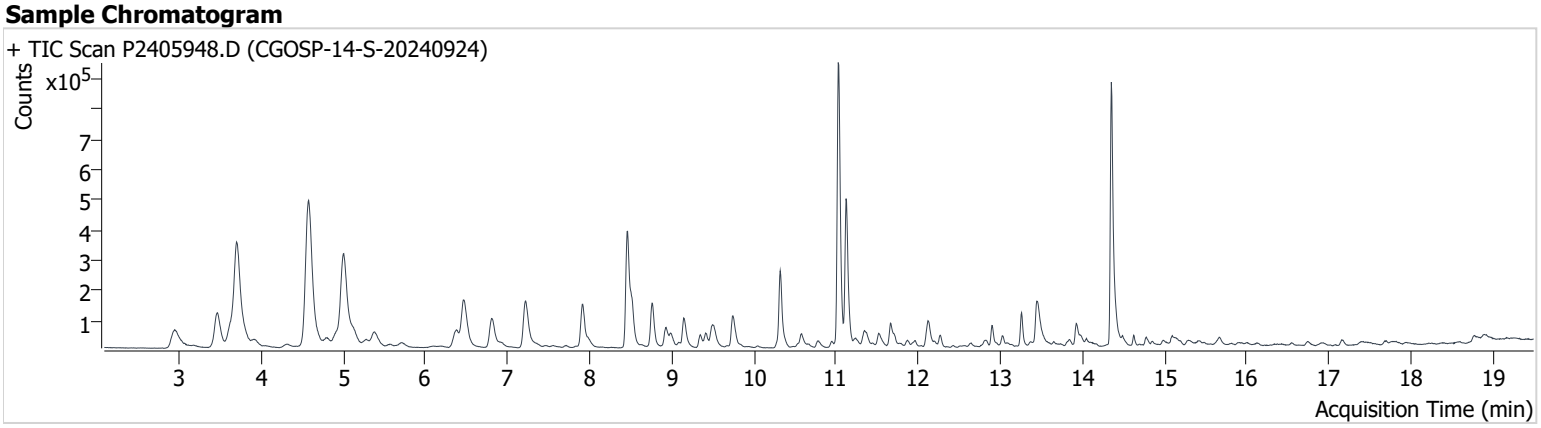
o-Xylene


+ EIC (91.1) Scan P2405947.D
Counts
x10^4
3.5
3
2.5
2
1.5
1
0.5
0
13.928 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.881-14.142 min, 44 scans) P2405947.D
Counts
x10^3
Lib Match Score=66.0
1
0.5
0
-0.5
-1
-1.5
91.1
55.1
41.1
51.1
69.1
83.1
97.2
106.1
111.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

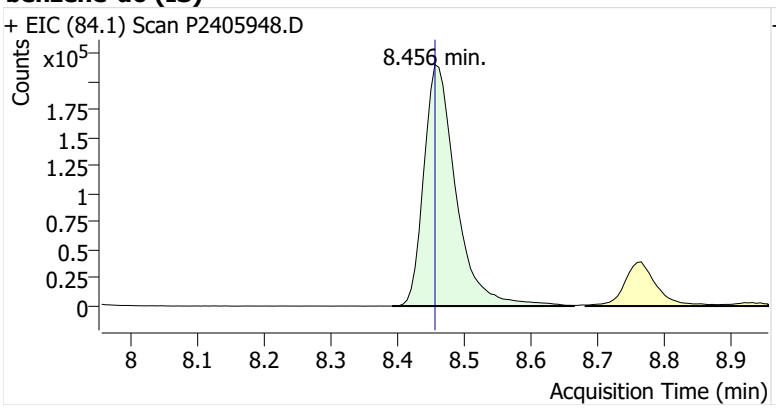
Name	CGOSP-14-S-20240924
Comment	B22063
Data File	P2405948.D
Acq. Date-Time	10/15/2024 6:03:55 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

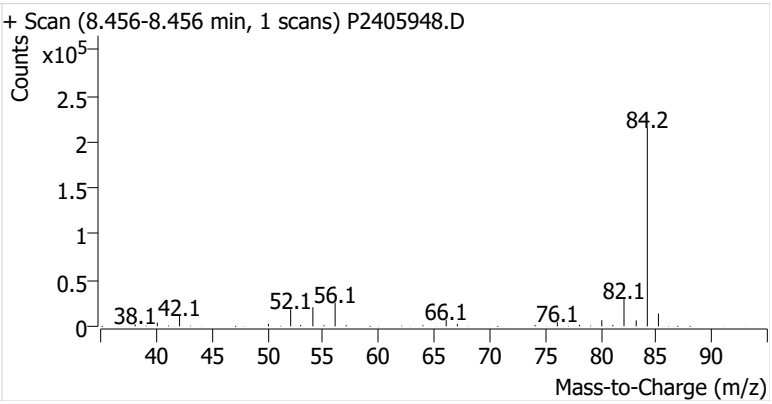
Sample Chromatogram



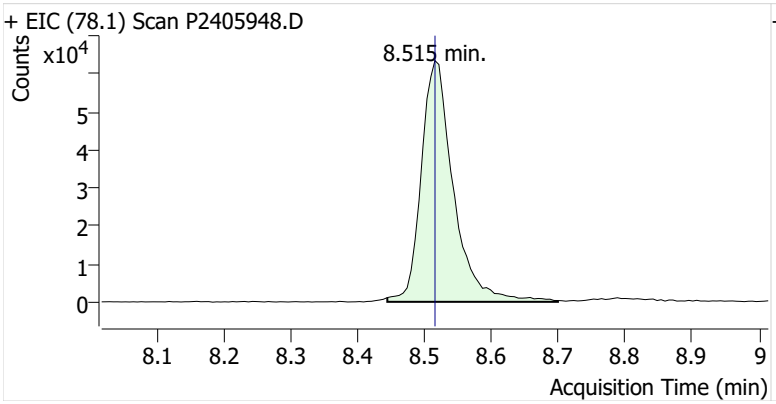
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.456	8.456	719,791	
Benzene	benzene-d6 (IS)	8.515	8.515	212,296	
Toluene-d8 (IS)		11.026	11.032	1,009,747	
Toluene	Toluene-d8 (IS)	11.121	11.121	534,818	
Ethylbenzene	Toluene-d8 (IS)	13.257	13.252	114,925	
m-/p-Xylene	Toluene-d8 (IS)	13.447	13.459	240,794	
o-Xylene	Toluene-d8 (IS)	13.922	13.922	97,271	

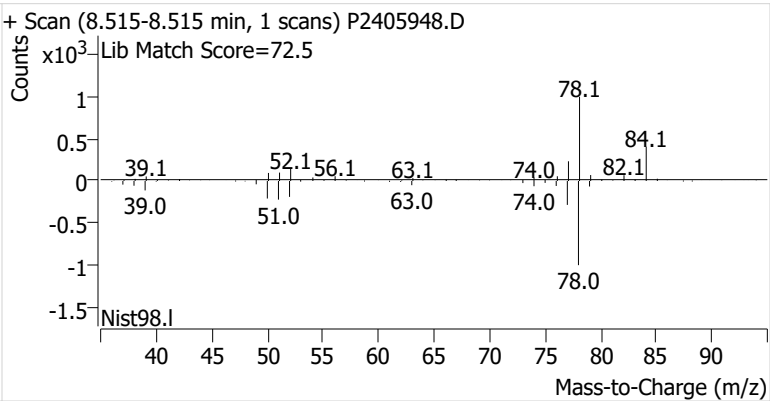
benzene-d6 (IS)



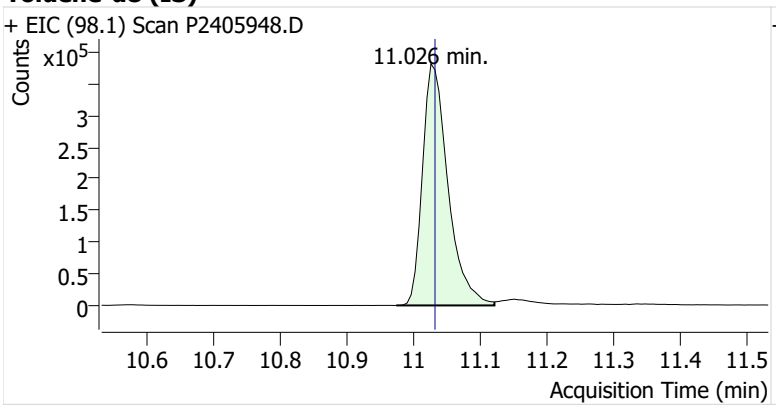


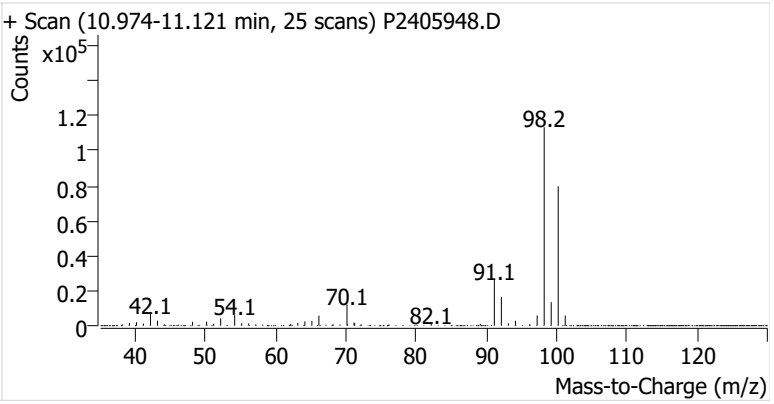
Benzene



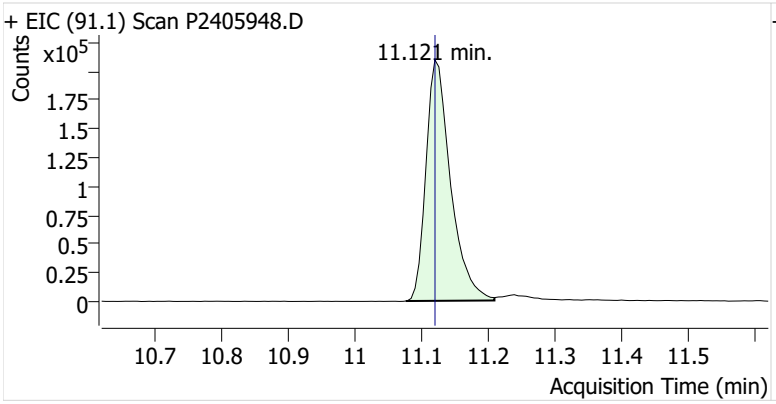


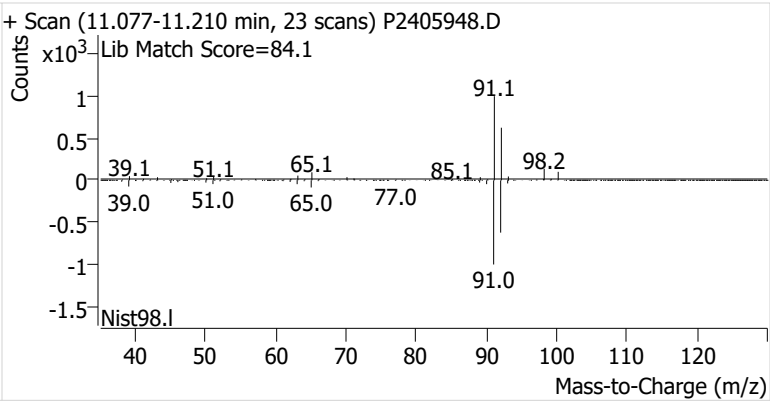
Toluene-d8 (IS)



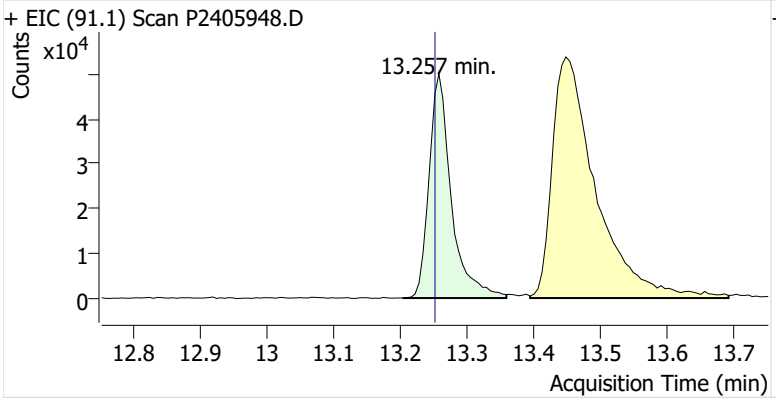


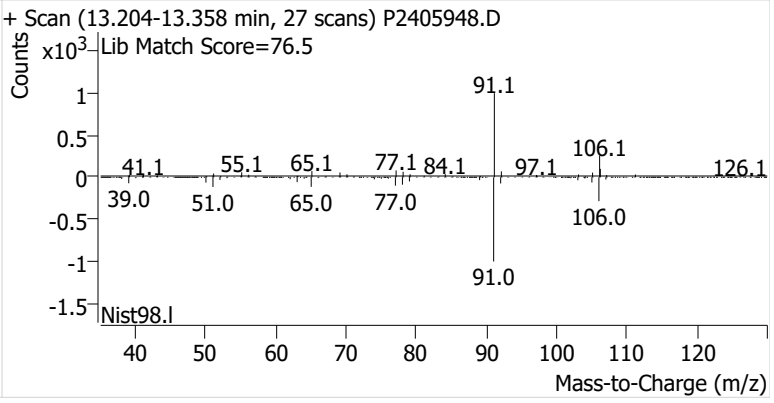
Toluene



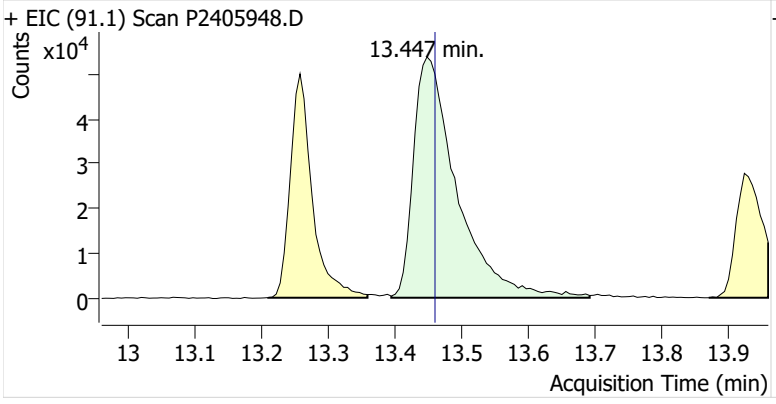


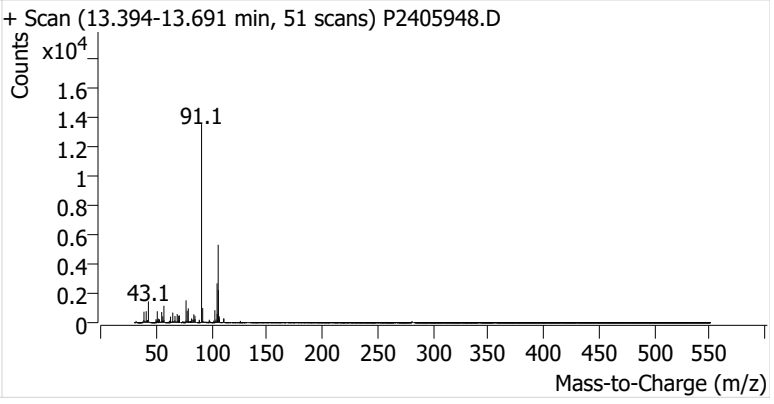
Ethylbenzene



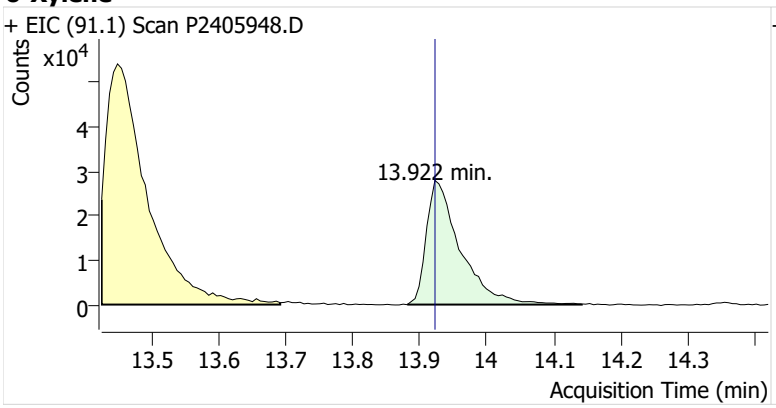


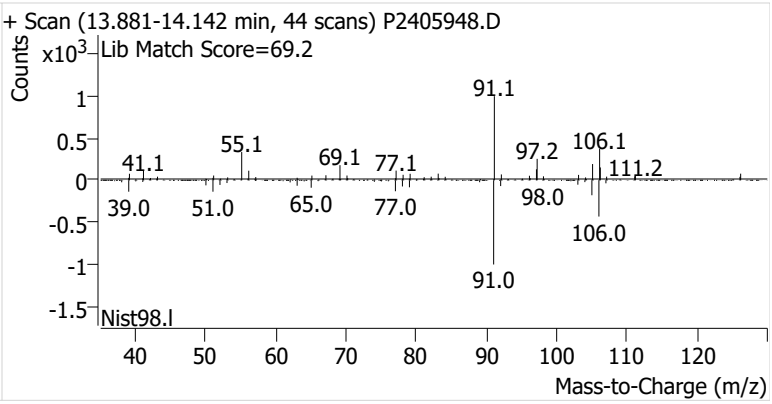
m-/p-Xylene





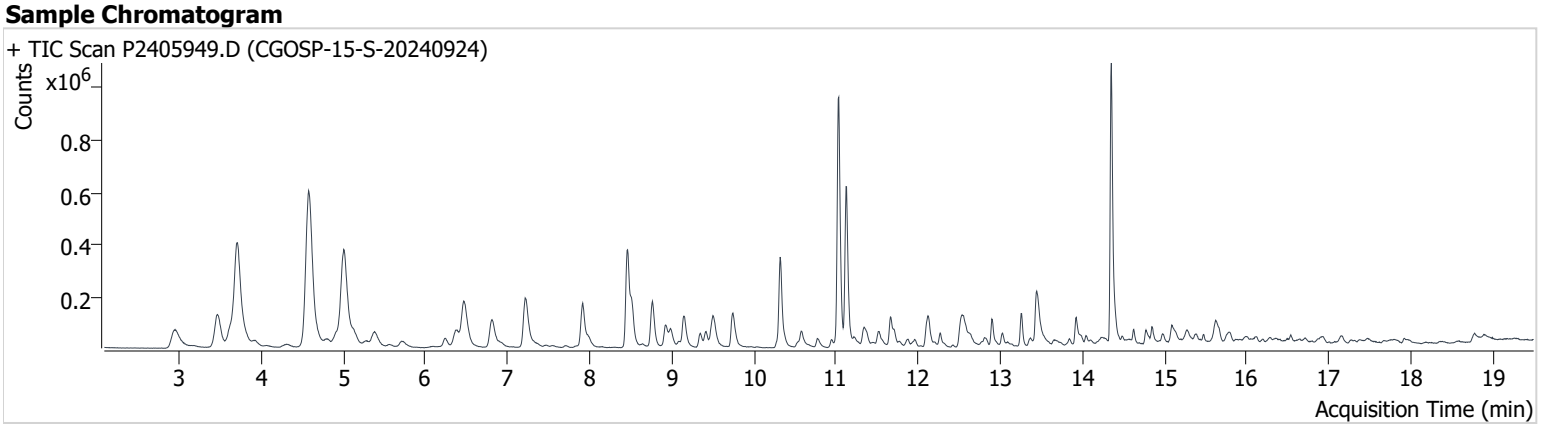
o-Xylene


+ EIC (91.1) Scan P2405948.D
Counts
x10^4
4
3
2
1
0
13.922 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.881-14.142 min, 44 scans) P2405948.D
Counts
x10^3
Lib Match Score=69.2
1
0.5
0
-0.5
-1
-1.5
91.1
55.1
41.1
69.1
77.1
97.2
106.1
111.2
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

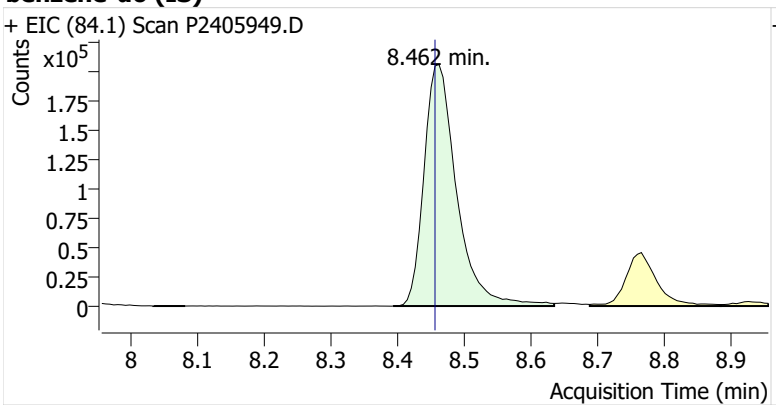
Name	CGOSP-15-S-20240924
Comment	C53638
Data File	P2405949.D
Acq. Date-Time	10/15/2024 6:41:10 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

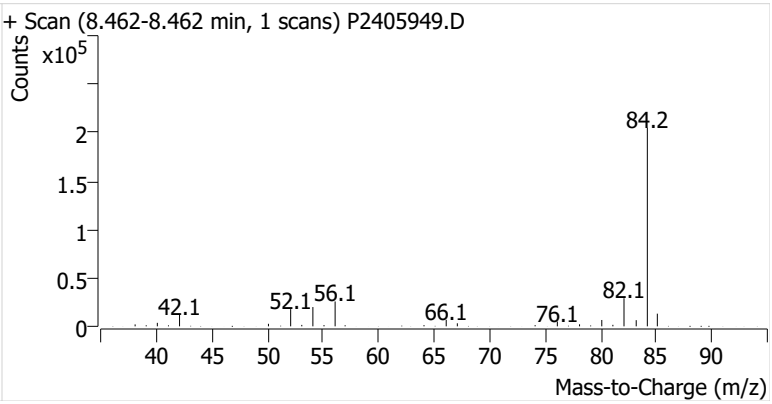
Sample Chromatogram



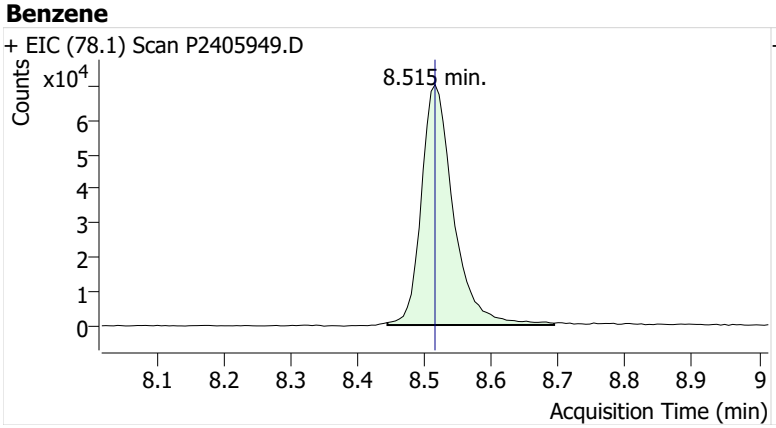
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.462	8.456	695,857	
Benzene	benzene-d6 (IS)	8.515	8.515	233,578	
Toluene-d8 (IS)		11.032	11.032	985,258	
Toluene	Toluene-d8 (IS)	11.121	11.121	659,913	
Ethylbenzene	Toluene-d8 (IS)	13.252	13.252	121,741	
m-/p-Xylene	Toluene-d8 (IS)	13.442	13.459	293,534	
o-Xylene	Toluene-d8 (IS)	13.922	13.922	115,991	

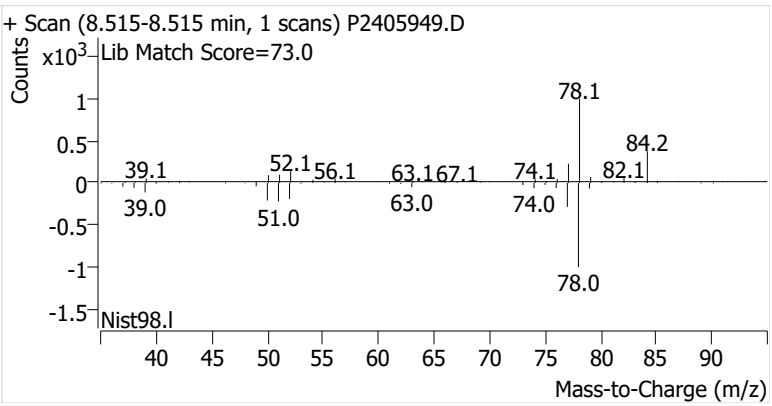
benzene-d6 (IS)



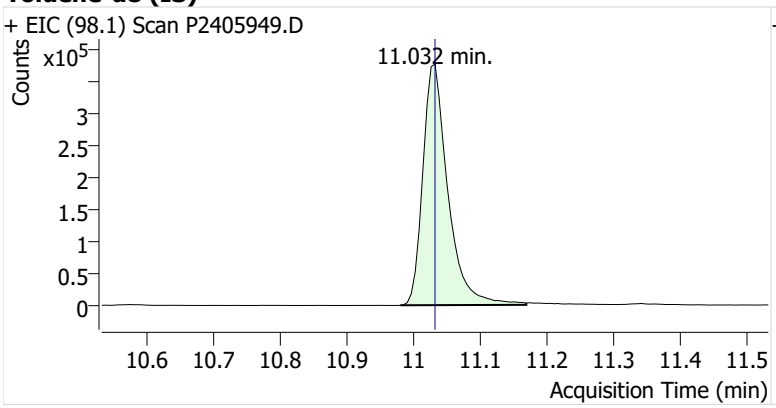


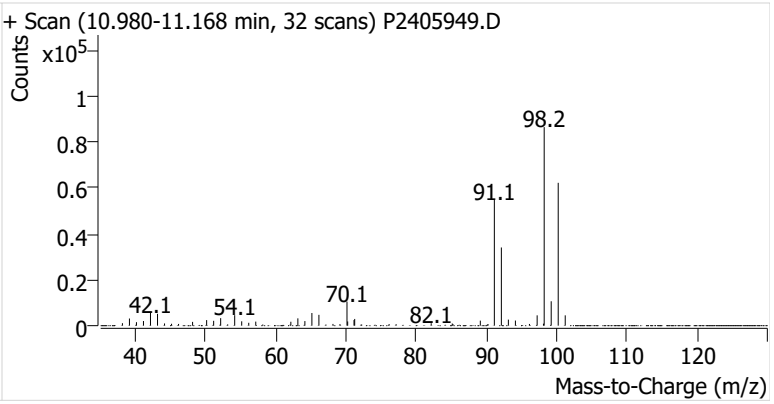
Benzene



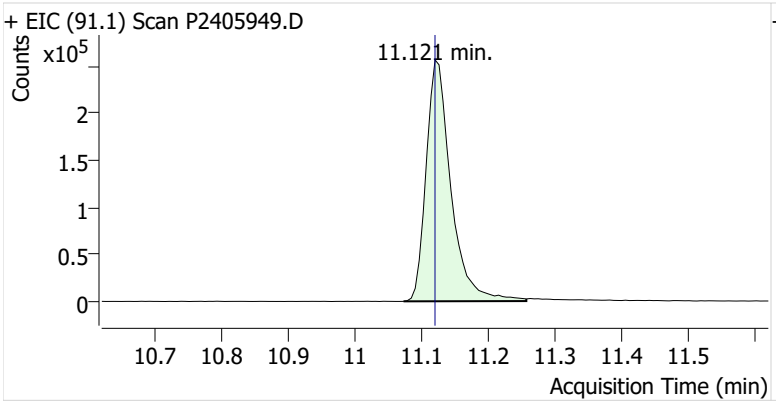


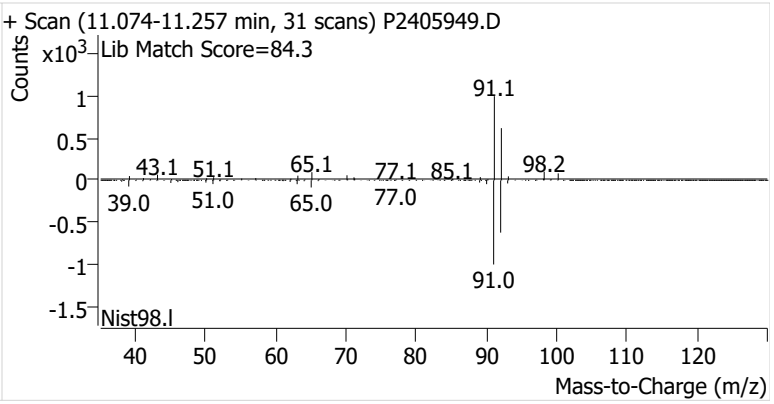
Toluene-d8 (IS)



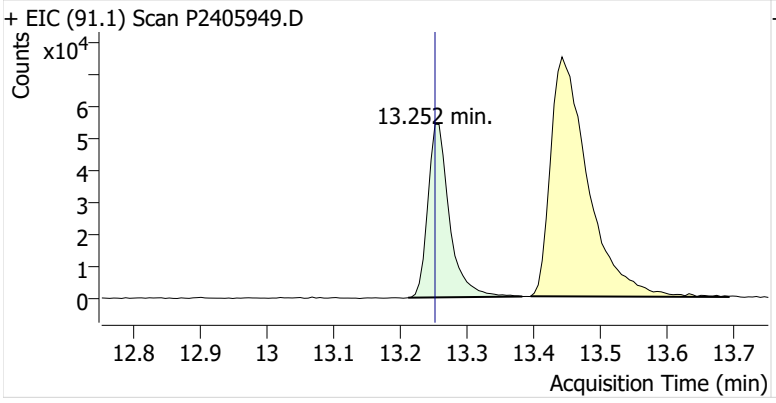


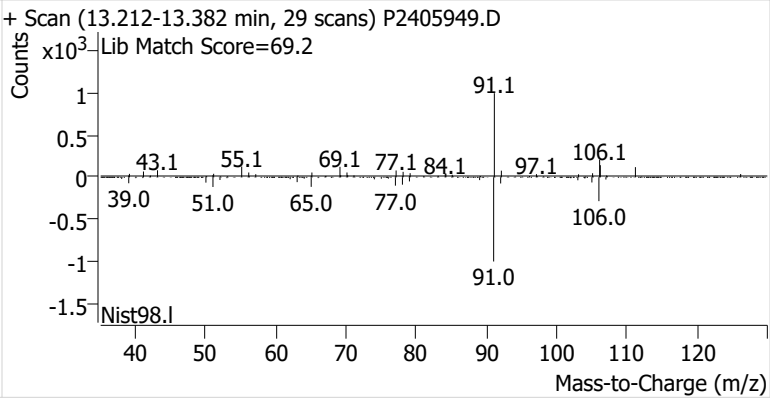
Toluene



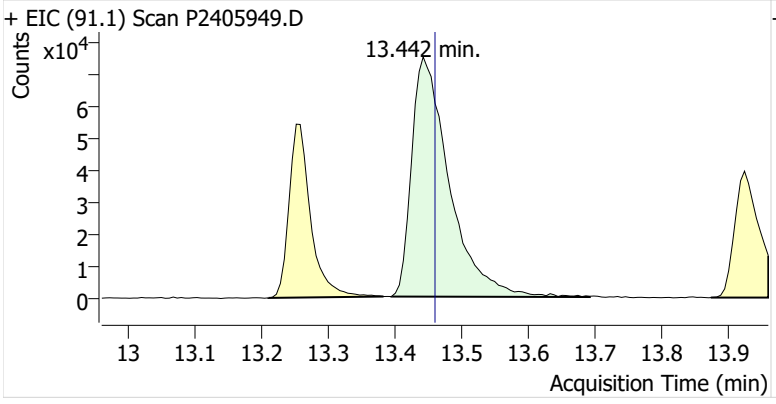


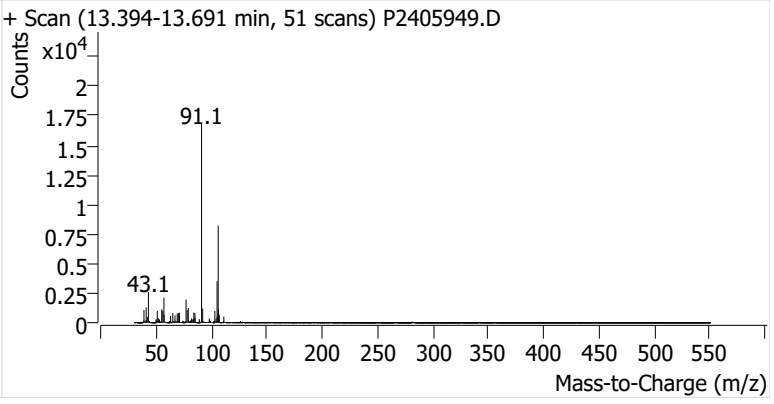
Ethylbenzene



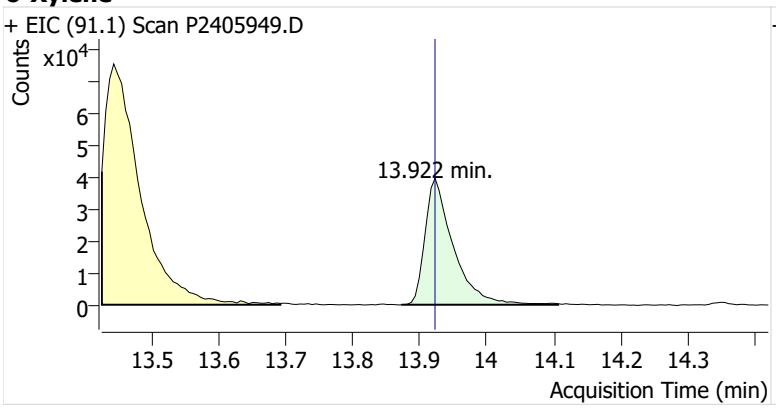


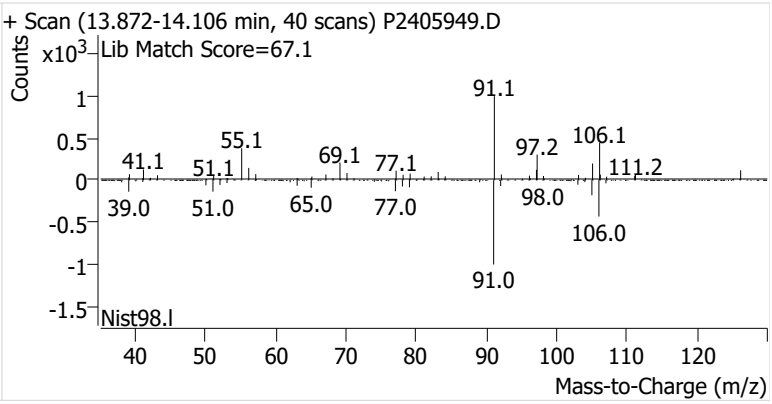
m-/p-Xylene





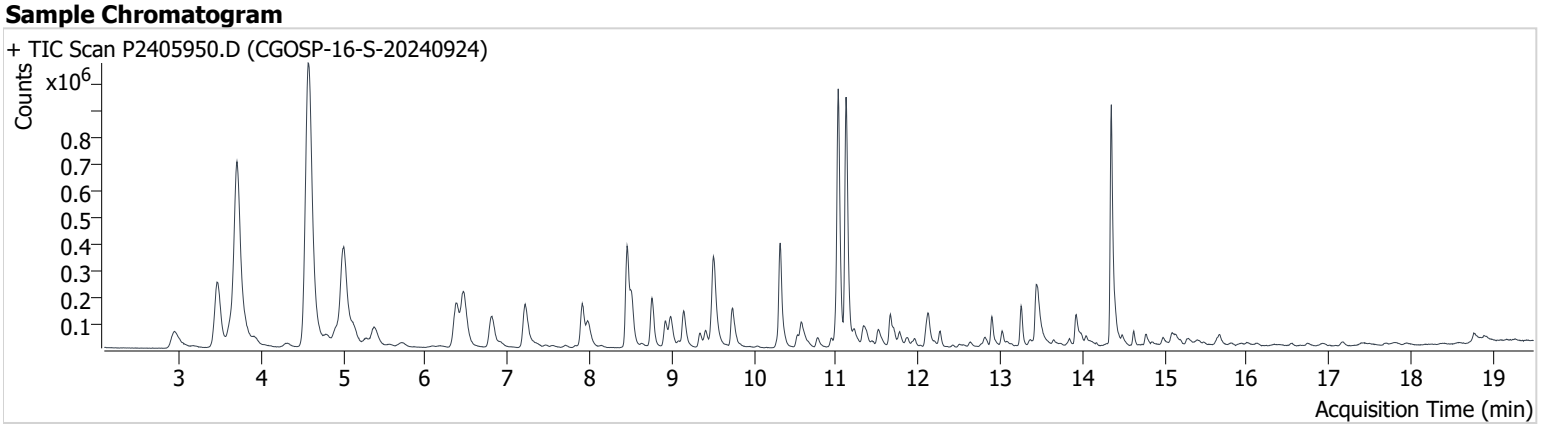
o-Xylene


+ EIC (91.1) Scan P2405949.D
Counts
x10^4
6
5
4
3
2
1
0
13.922 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.872-14.106 min, 40 scans) P2405949.D
Counts
x10^3
Lib Match Score=67.1
1
0.5
0
-0.5
-1
-1.5
91.1
55.1
41.1
51.1
69.1
77.1
97.2
106.1
111.2
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

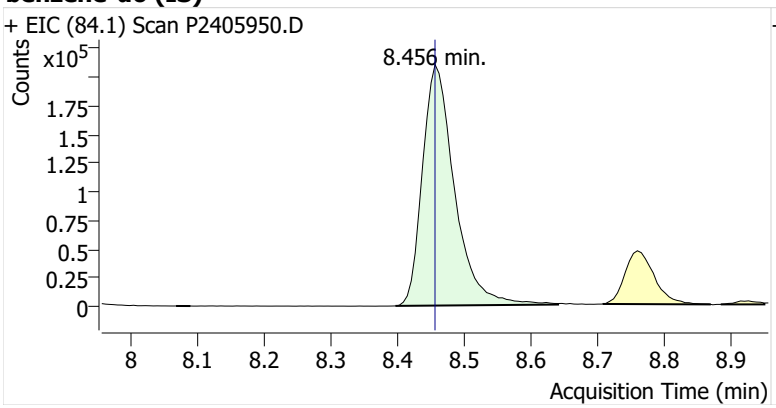
Name	CGOSP-16-S-20240924
Comment	B35451
Data File	P2405950.D
Acq. Date-Time	10/15/2024 7:18:29 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

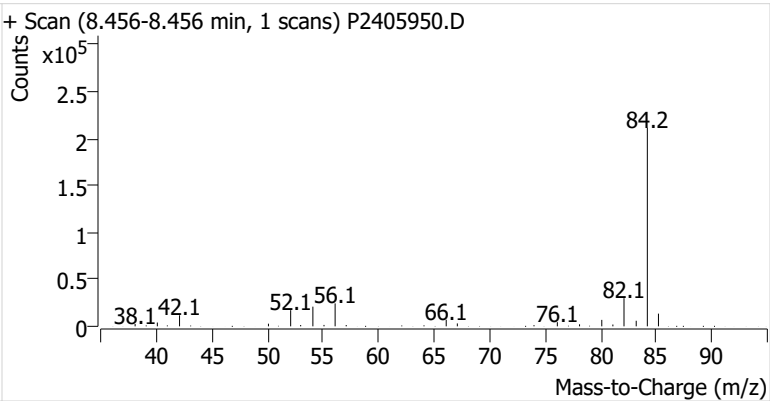
Sample Chromatogram



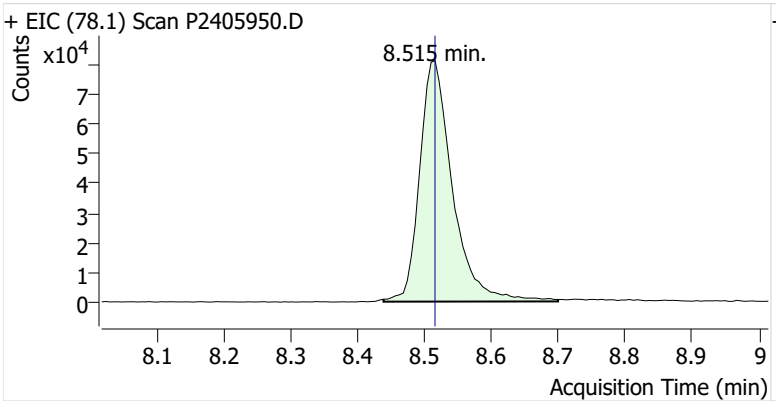
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.456	8.456	702,216	
Benzene	benzene-d6 (IS)	8.515	8.515	277,719	
Toluene-d8 (IS)		11.026	11.032	950,270	
Toluene	Toluene-d8 (IS)	11.121	11.121	937,734	
Ethylbenzene	Toluene-d8 (IS)	13.252	13.252	153,699	
m-/p-Xylene	Toluene-d8 (IS)	13.442	13.459	353,429	
o-Xylene	Toluene-d8 (IS)	13.922	13.922	147,866	

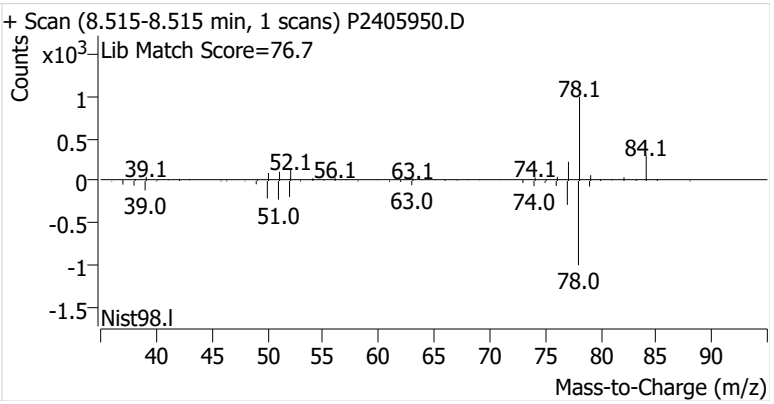
benzene-d6 (IS)



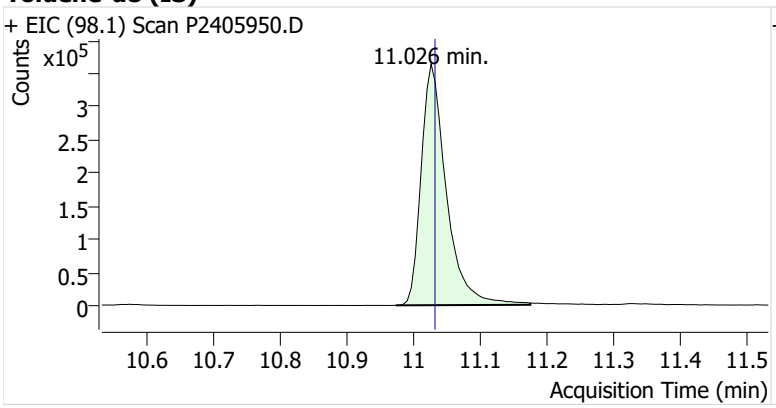


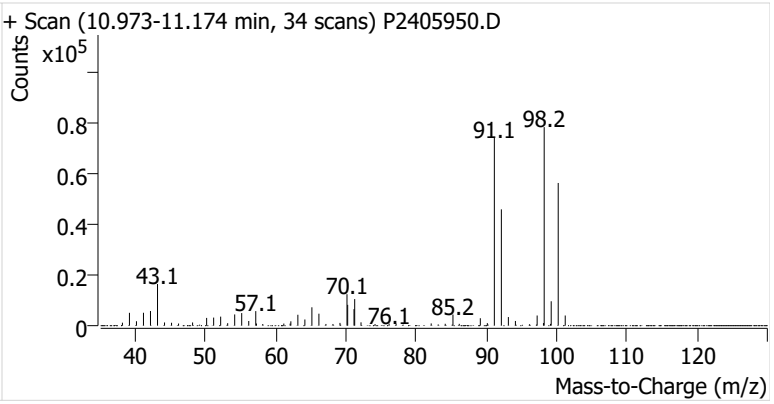
Benzene



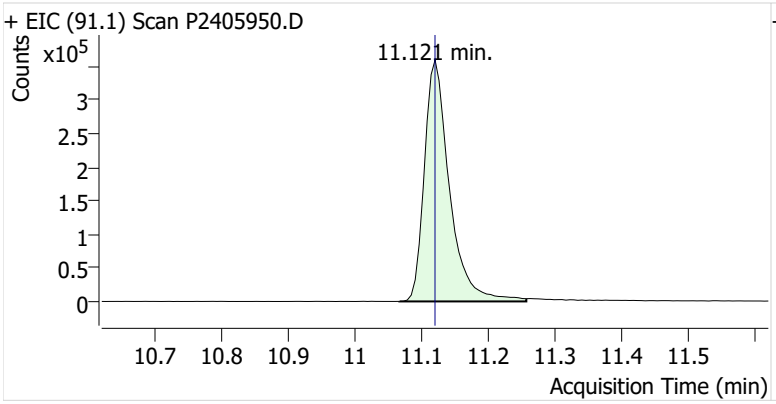


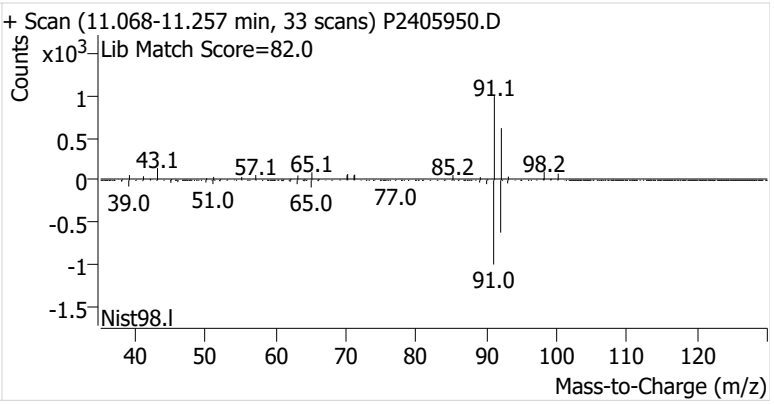
Toluene-d8 (IS)



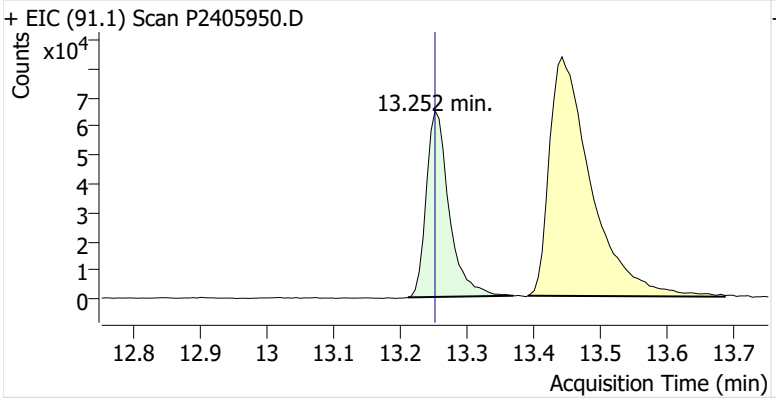


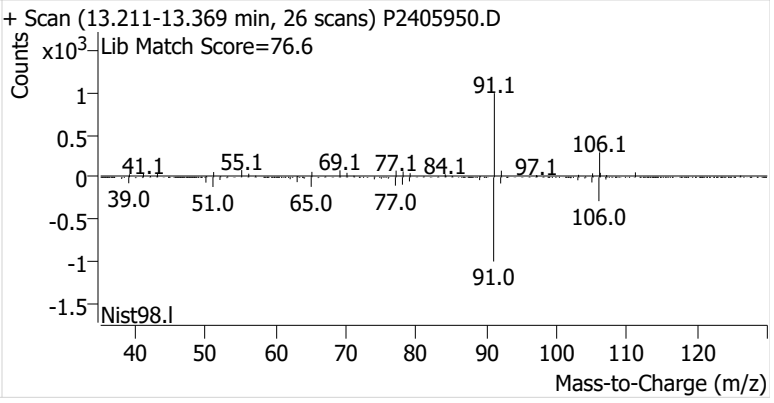
Toluene



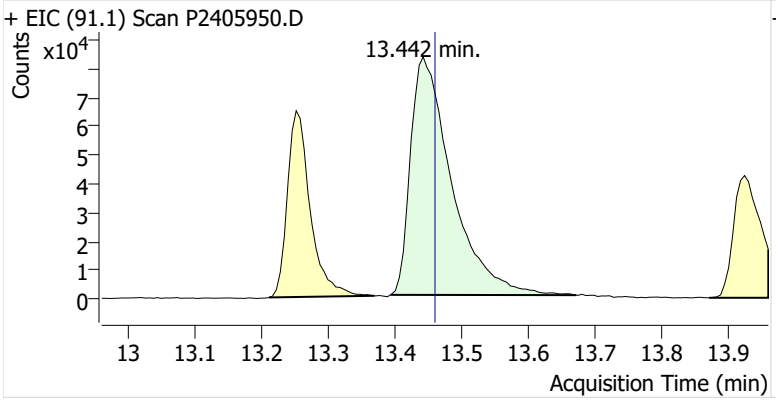


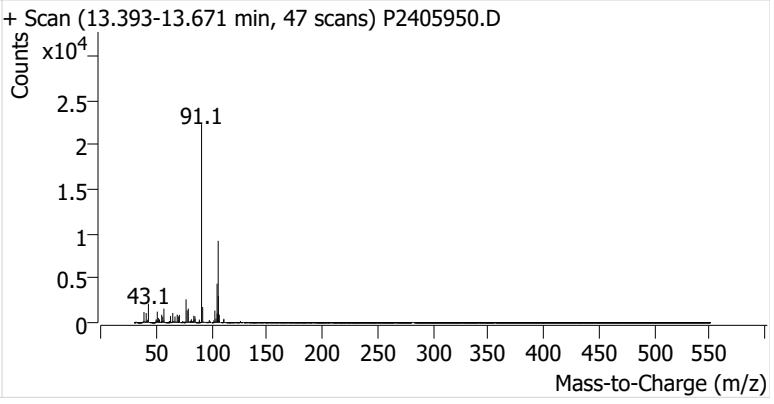
Ethylbenzene



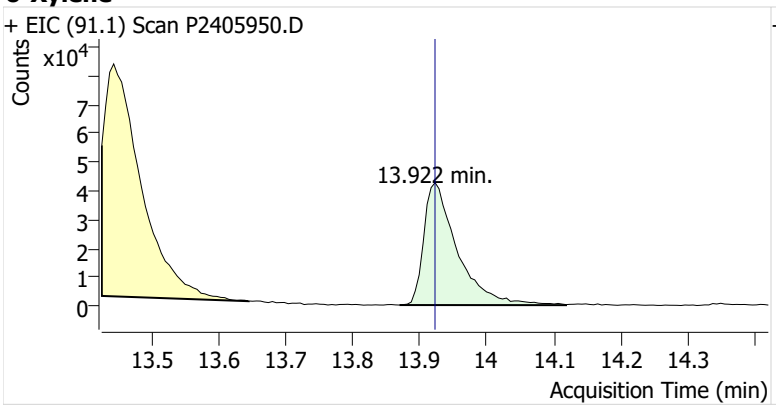


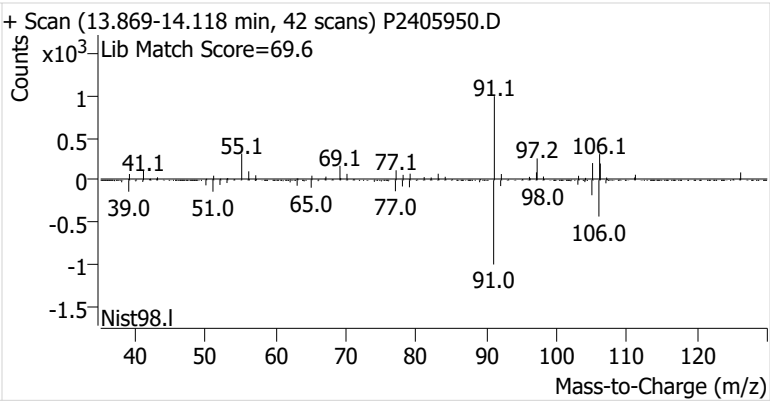
m-/p-Xylene





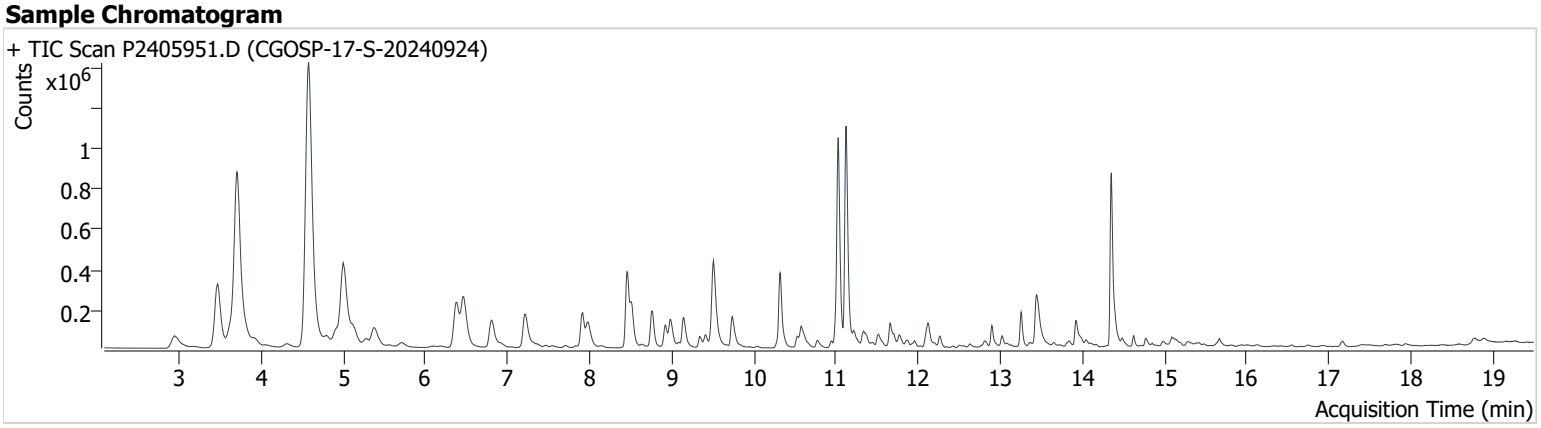
o-Xylene


+ EIC (91.1) Scan P2405950.D
Counts
x10^4
13.922 min.
Acquisition Time (min)


+ Scan (13.869-14.118 min, 42 scans) P2405950.D
Lib Match Score=69.6
Counts
x10^3
91.1
41.1
55.1
69.1
77.1
97.2
106.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
Mass-to-Charge (m/z)

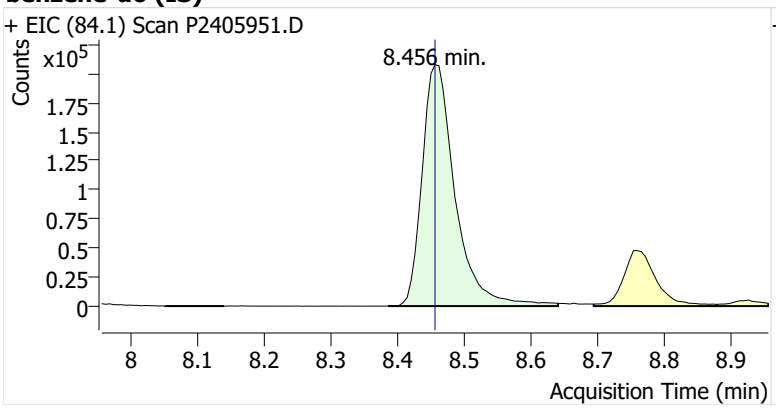
Name	CGOSP-17-S-20240924
Comment	B43733
Data File	P2405951.D
Acq. Date-Time	10/15/2024 7:55:48 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

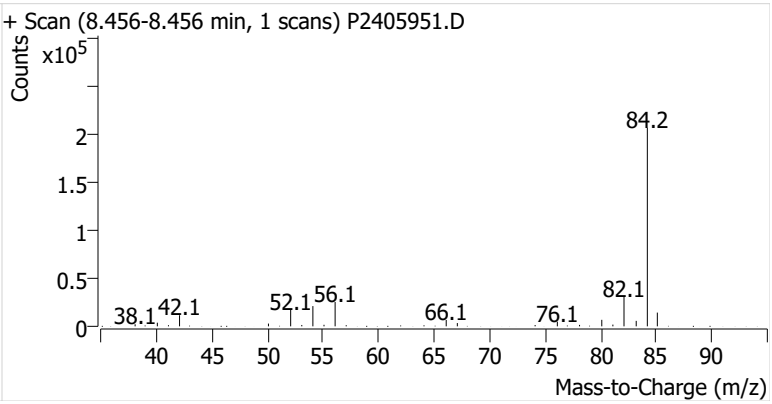
Sample Chromatogram



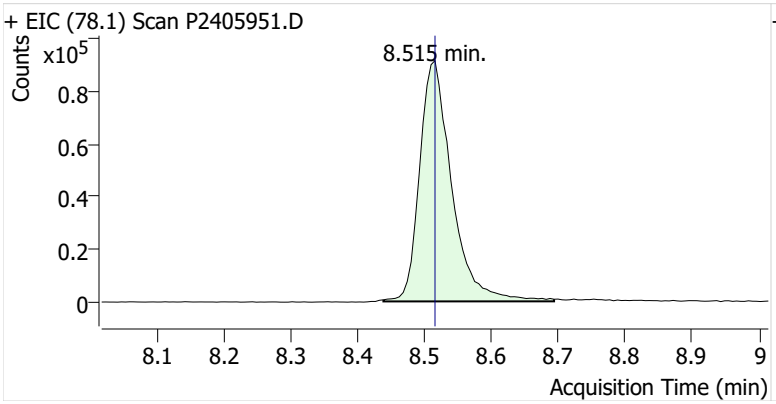
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.456	8.456	710,642	
Benzene	benzene-d6 (IS)	8.515	8.515	305,209	
Toluene-d8 (IS)		11.026	11.032	1,027,700	
Toluene	Toluene-d8 (IS)	11.121	11.121	1,102,962	
Ethylbenzene	Toluene-d8 (IS)	13.252	13.252	181,320	
m-/p-Xylene	Toluene-d8 (IS)	13.442	13.459	387,233	
o-Xylene	Toluene-d8 (IS)	13.922	13.922	159,296	

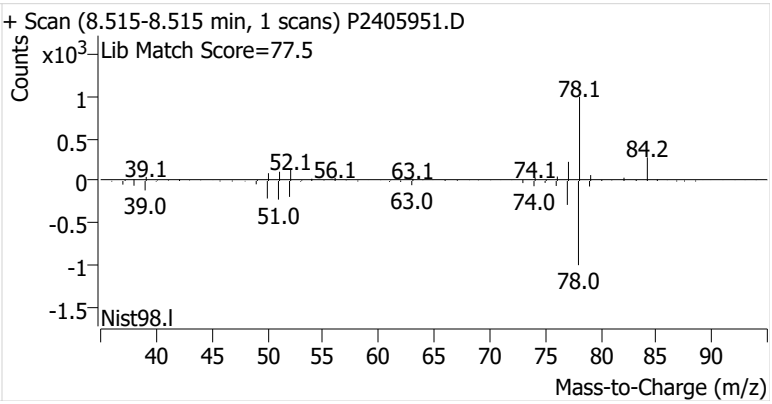
benzene-d6 (IS)



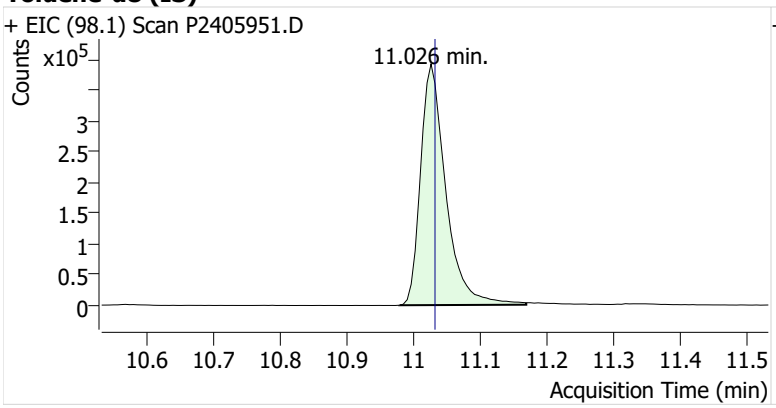


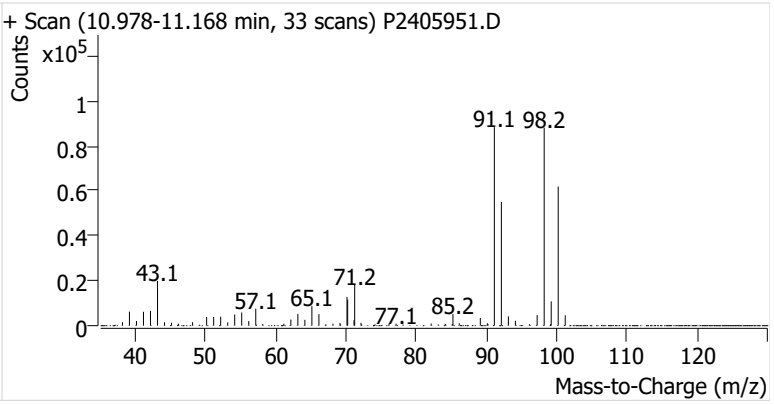
Benzene



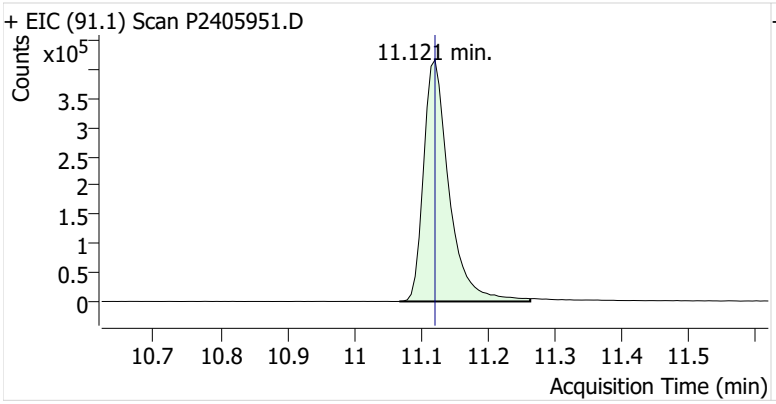


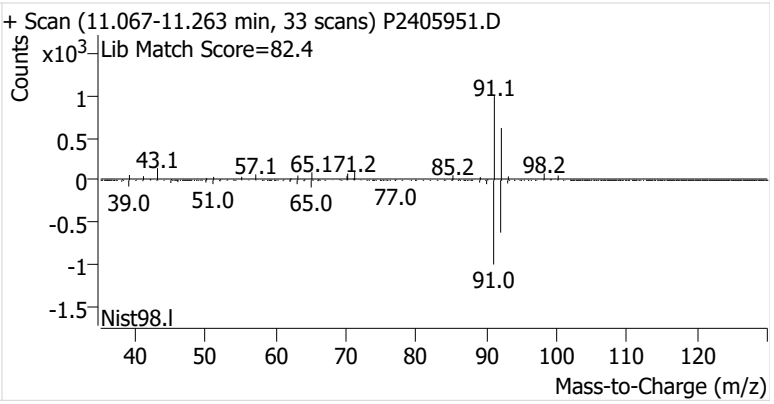
Toluene-d8 (IS)



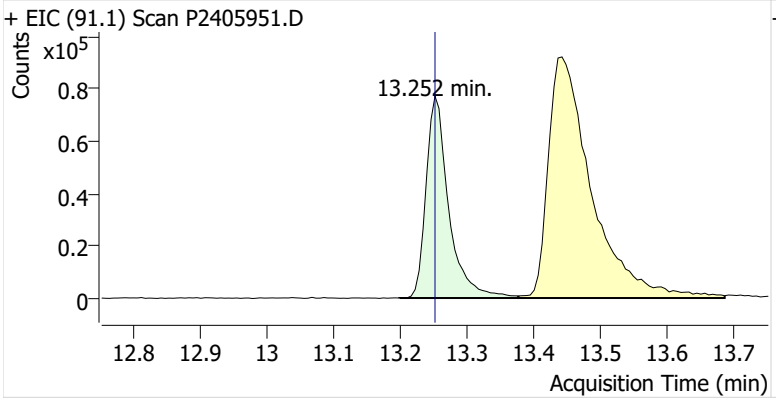


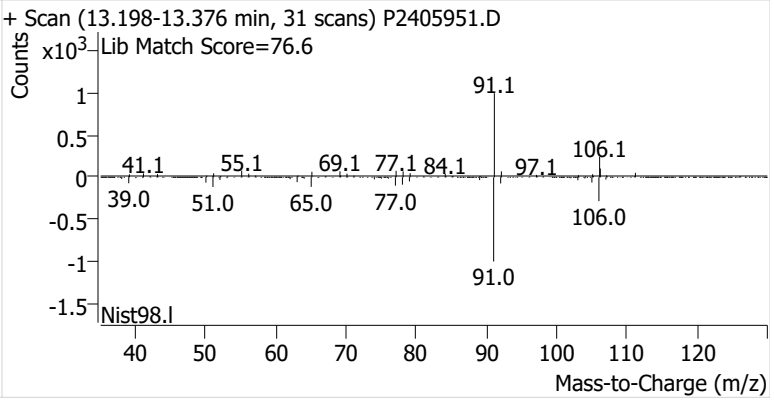
Toluene



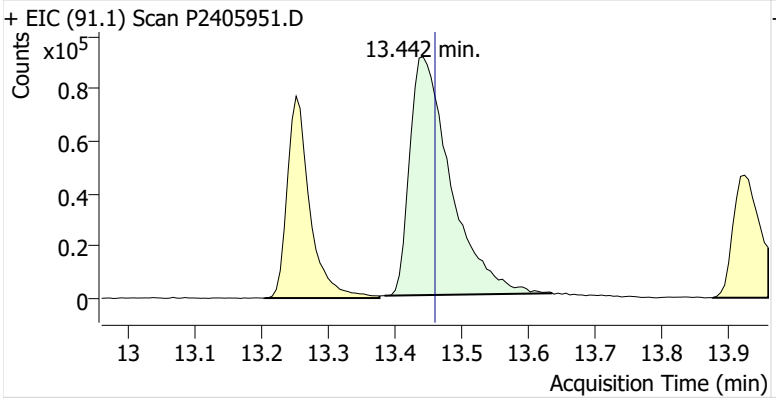


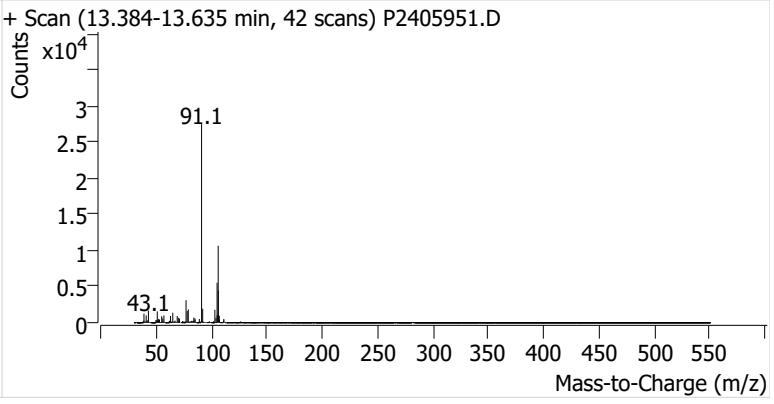
Ethylbenzene



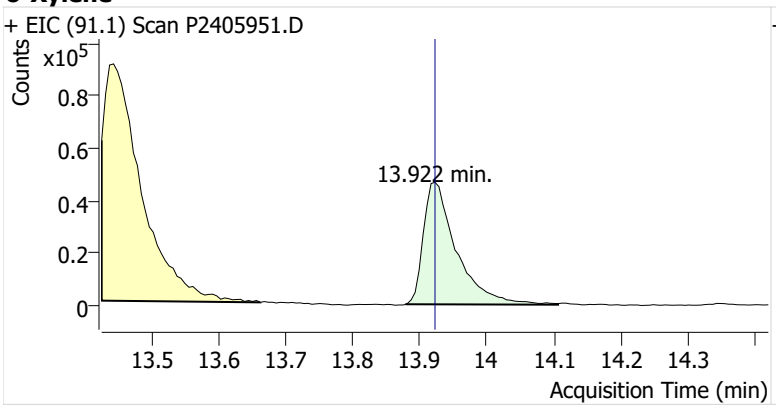


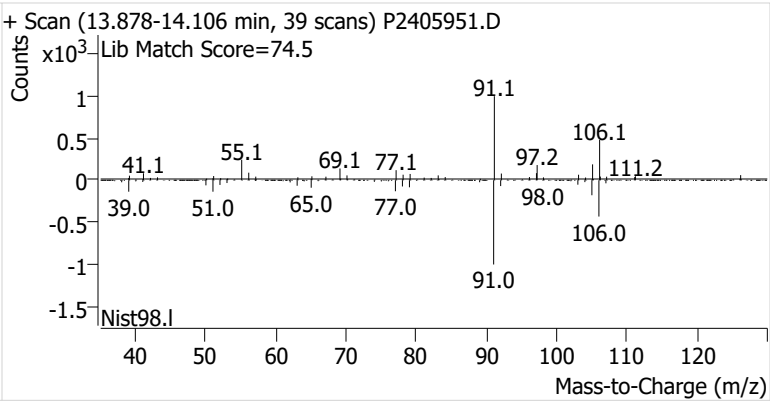
m-/p-Xylene





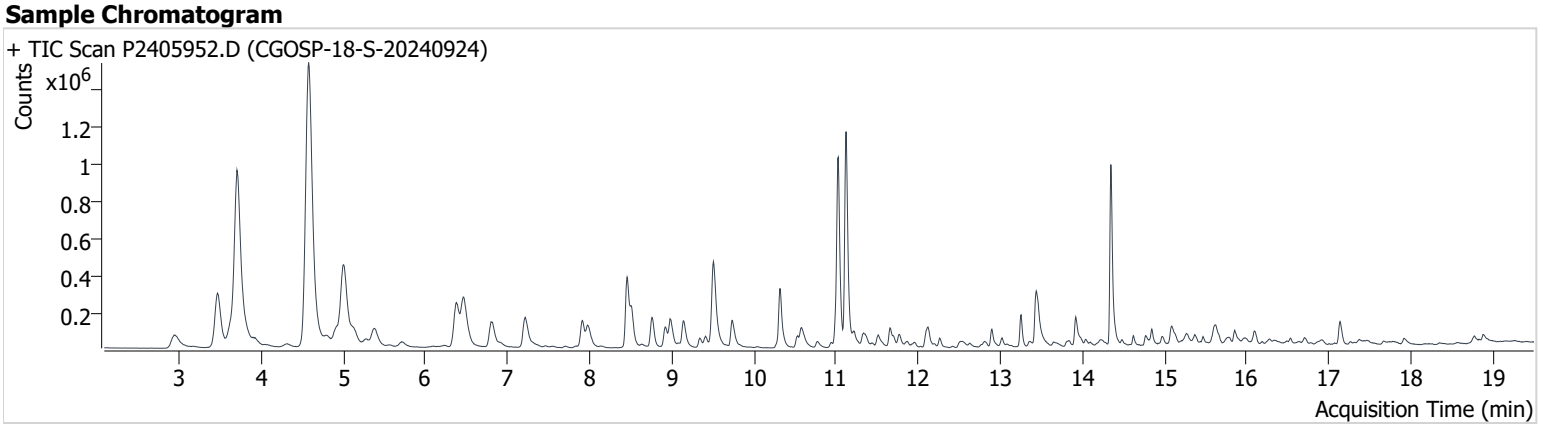
o-Xylene


+ EIC (91.1) Scan P2405951.D
Counts
x10^5
0.8
0.6
0.4
0.2
0
13.922 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.878-14.106 min, 39 scans) P2405951.D
Counts
x10^3
Lib Match Score=74.5
1
0.5
0
-0.5
-1
-1.5
91.1
106.1
41.1
55.1
69.1
77.1
97.2
111.2
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

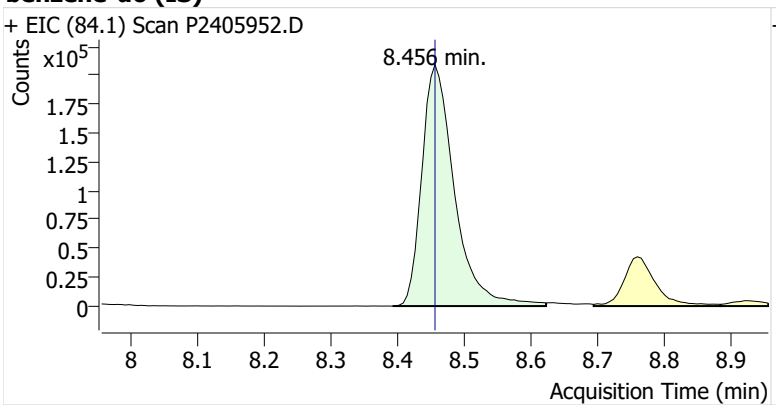
Name	CGOSP-18-S-20240924
Comment	C43859
Data File	P2405952.D
Acq. Date-Time	10/15/2024 8:33:06 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

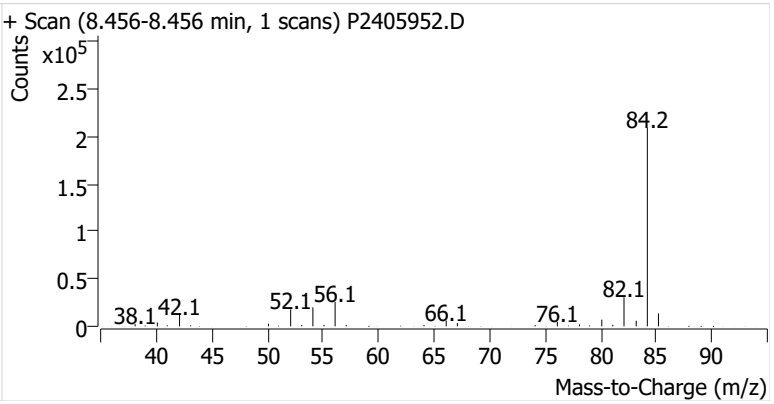
Sample Chromatogram



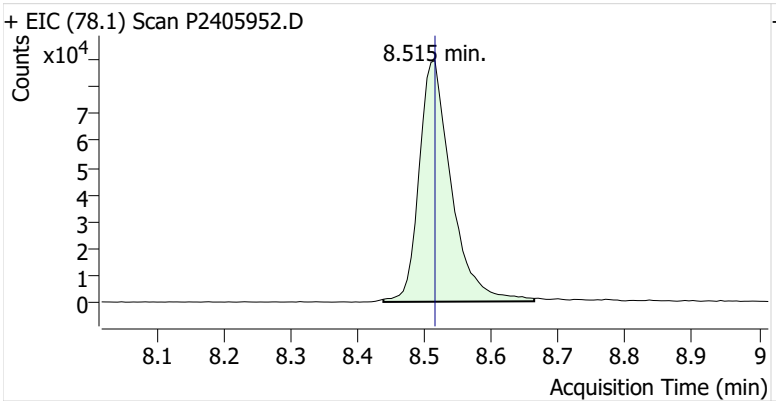
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.456	8.456	709,223	
Benzene	benzene-d6 (IS)	8.515	8.515	300,303	
Toluene-d8 (IS)		11.026	11.032	994,559	
Toluene	Toluene-d8 (IS)	11.121	11.121	1,138,550	
Ethylbenzene	Toluene-d8 (IS)	13.252	13.252	170,929	
m-/p-Xylene	Toluene-d8 (IS)	13.436	13.459	432,570	
o-Xylene	Toluene-d8 (IS)	13.916	13.922	167,124	

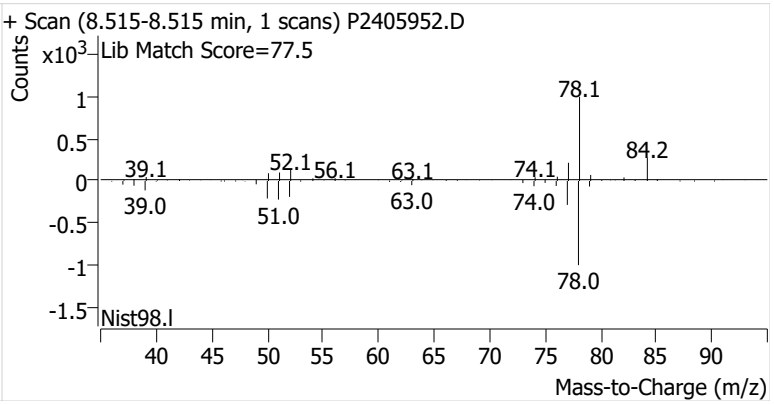
benzene-d6 (IS)



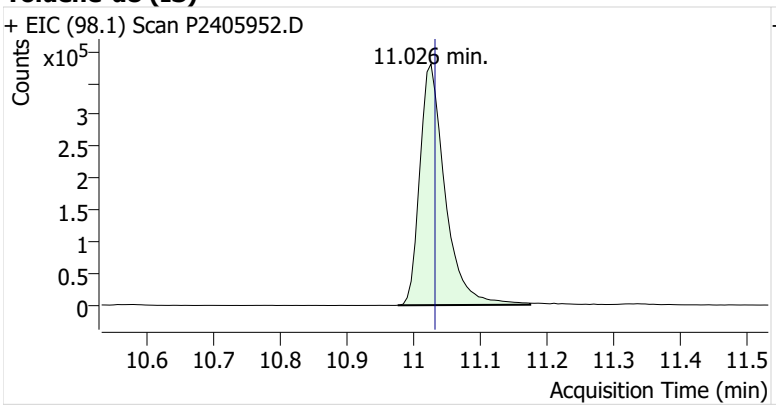


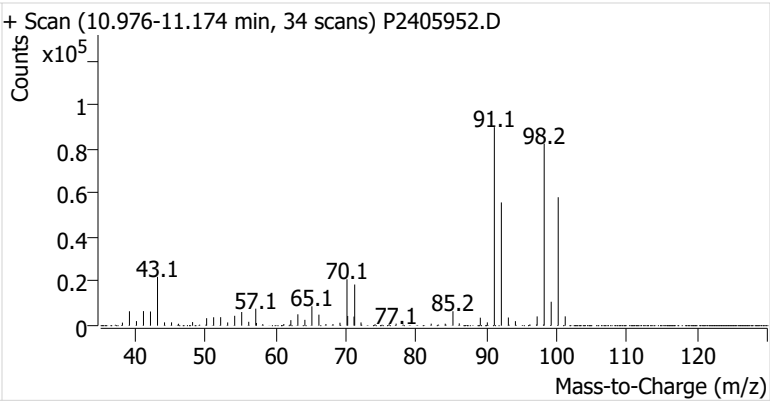
Benzene



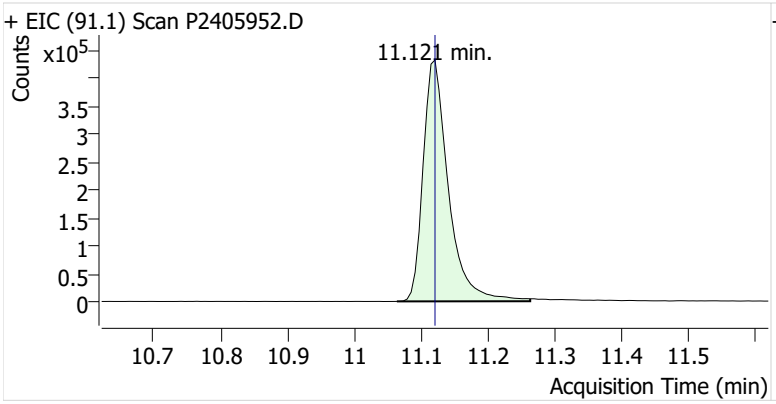


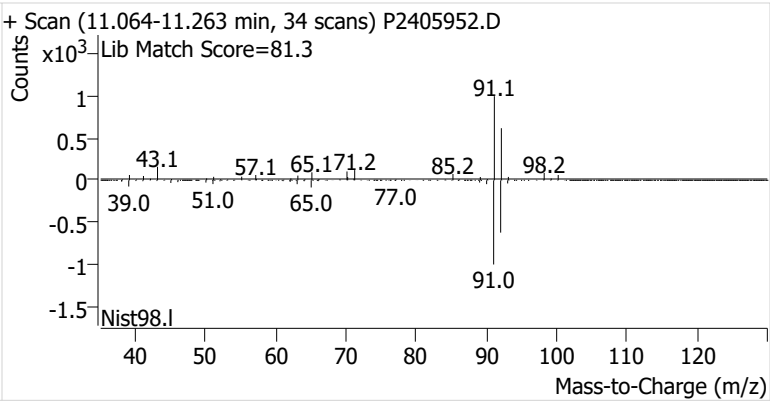
Toluene-d8 (IS)



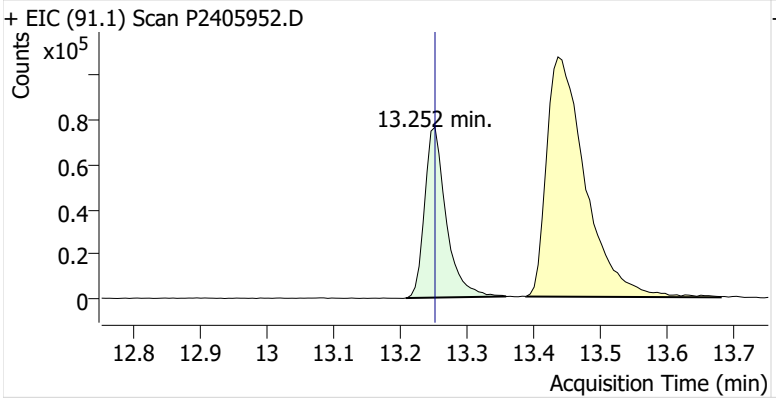


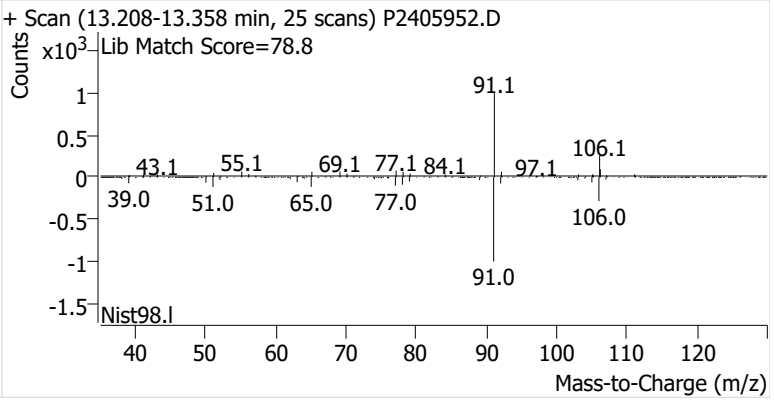
Toluene



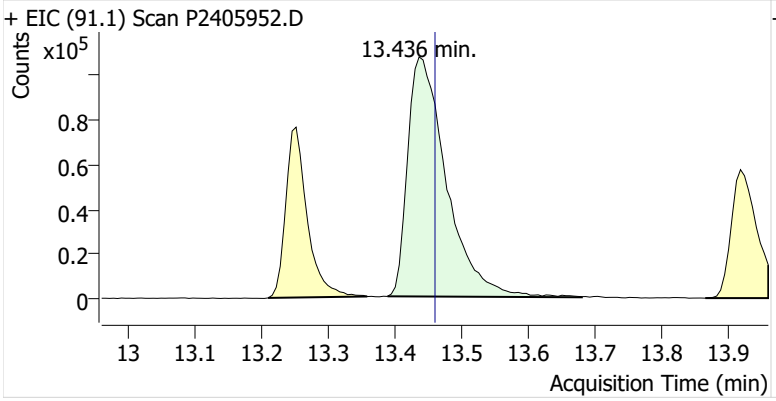


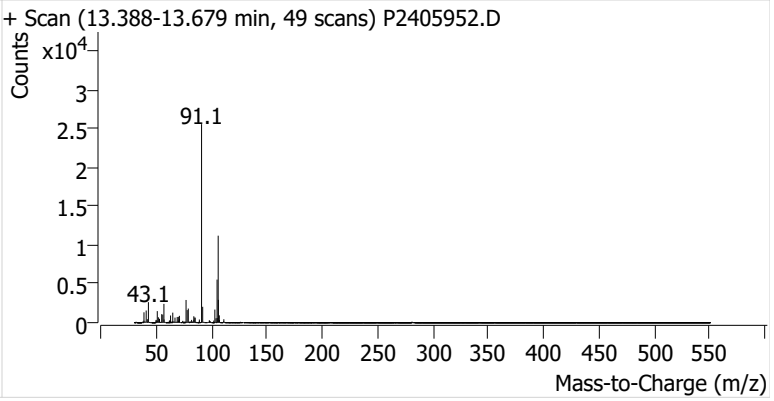
Ethylbenzene



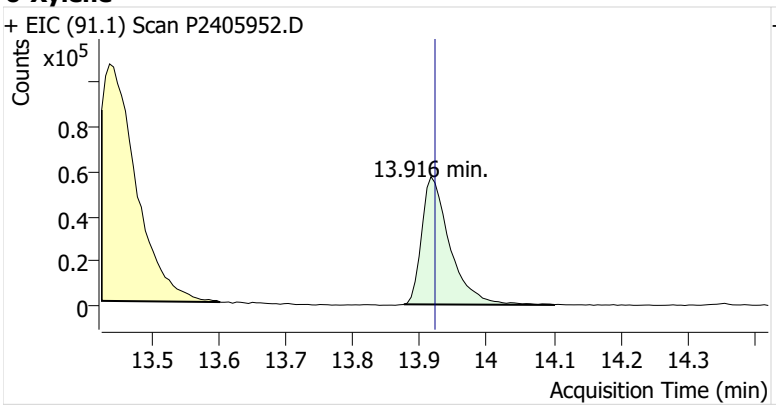


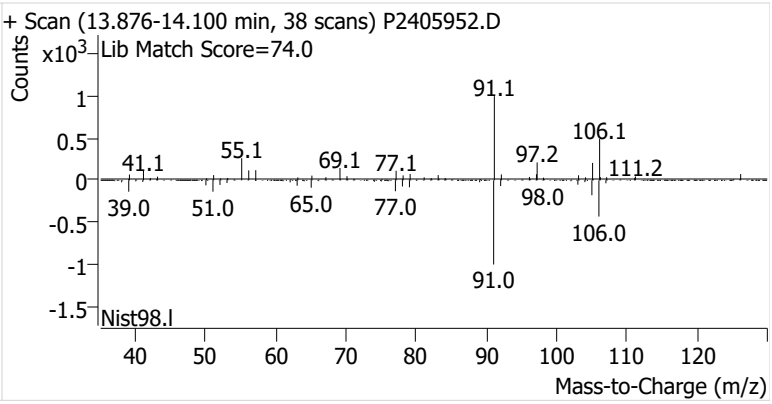
m-/p-Xylene





o-Xylene


+ EIC (91.1) Scan P2405952.D
Counts
x10^5
0.8
0.6
0.4
0.2
0
13.916 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.876-14.100 min, 38 scans) P2405952.D
Counts
x10^3
Lib Match Score=74.0
1
0.5
0
-0.5
-1
-1.5
91.1
106.1
41.1
55.1
69.1
77.1
97.2
111.2
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

Calibration Summary Reports

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP401-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Benzene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	0.927	0.979	0.927	-5.4%	-6.4%		Pass	
2024FP401_Method Blank	Blank		0.979	0.927			-2.4%	Pass	ND
M325B CCV 5	Check	0.949	0.979	0.927	-3.1%		-1.7%	Pass	
M325B CCV 5	Check	0.951	0.979	0.927	-2.9%		-2.9%	Pass	

Ethylbenzene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	0.946	0.951	0.946	-0.50%	-8.2%		Pass	
2024FP401_Method Blank	Blank		0.951	0.946			2.8%	Pass	ND
M325B CCV 5	Check	0.919	0.951	0.946	-3.3%		3.2%	Pass	
M325B CCV 5	Check	0.902	0.951	0.946	-5.1%		-0.48%	Pass	

m-/p-Xylene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	0.671	0.677	0.671	-0.92%	-8.2%		Pass	
2024FP401_Method Blank	Blank		0.677	0.671			2.8%	Pass	ND
M325B CCV 5	Check	0.625	0.677	0.671	-7.6%		3.2%	Pass	
M325B CCV 5	Check	0.629	0.677	0.671	-7.0%		-0.48%	Pass	

o-Xylene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	0.733	0.720	0.733	1.7%	-8.2%		Pass	
2024FP401_Method Blank	Blank		0.720	0.733			2.8%	Pass	ND
M325B CCV 5	Check	0.706	0.720	0.733	-2.0%		3.2%	Pass	
M325B CCV 5	Check	0.726	0.720	0.733	0.78%		-0.48%	Pass	

Toluene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	0.875	0.898	0.875	-2.6%	-8.2%		Pass	
2024FP401_Method Blank	Blank		0.898	0.875			2.8%	Pass	ND
M325B CCV 5	Check	0.836	0.898	0.875	-7.0%		3.2%	Pass	
M325B CCV 5	Check	0.850	0.898	0.875	-5.3%		-0.48%	Pass	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP401-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
P090624A BTEX.quantmethod.xml	Benzene	1	P2404977.D	5.19	53200	91.7	825638	1.138	16%
P090624A BTEX.quantmethod.xml	Benzene	2	P2404978.D	10.38	91845	91.7	790527	1.026	4.8%
P090624A BTEX.quantmethod.xml	Benzene	3	P2404979.D	20.76	168704	91.7	766300	0.972	-0.72%
P090624A BTEX.quantmethod.xml	Benzene	4	P2404980.D	41.51	319641	91.7	739567	0.954	-2.5%
P090624A BTEX.quantmethod.xml	Benzene	5	P2404981.D	103.78	770808	91.7	741300	0.919	-6.2%
P090624A BTEX.quantmethod.xml	Benzene	6	P2404982.D	207.57	1506802	91.7	718096	0.927	-5.4%
P090624A BTEX.quantmethod.xml	Benzene	7	P2404983.D	622.70	4556203	91.7	729727	0.919	-6.1%
						Avg:	758736	0.979	
						%RSD:	5.0%	8.2%	
P090624A BTEX.quantmethod.xml	Ethylbenzene	1	P2404977.D	5.33	56151	108.1	1169254	0.974	2.4%
P090624A BTEX.quantmethod.xml	Ethylbenzene	2	P2404978.D	10.67	105621	108.1	1107038	0.967	1.7%
P090624A BTEX.quantmethod.xml	Ethylbenzene	3	P2404979.D	21.33	219430	108.1	1067634	1.042	9.6%
P090624A BTEX.quantmethod.xml	Ethylbenzene	4	P2404980.D	42.67	414505	108.1	1079066	0.973	2.4%
P090624A BTEX.quantmethod.xml	Ethylbenzene	5	P2404981.D	106.66	889663	108.1	1042115	0.865	-9.0%
P090624A BTEX.quantmethod.xml	Ethylbenzene	6	P2404982.D	213.33	1888178	108.1	1053728	0.908	-4.5%
P090624A BTEX.quantmethod.xml	Ethylbenzene	7	P2404983.D	639.99	5839841	108.1	1066774	0.925	-2.7%
						Avg:	1083659	0.951	
						%RSD:	4.0%	6.0%	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP401-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
P090624A BTEX.quantmethod.xml	m-/p-Xylene	1	P2404977.D	5.37	41219	108.1	1169254	0.710	4.9%
P090624A BTEX.quantmethod.xml	m-/p-Xylene	2	P2404978.D	10.74	70608	108.1	1107038	0.642	-5.1%
P090624A BTEX.quantmethod.xml	m-/p-Xylene	3	P2404979.D	21.47	173334	108.1	1067634	0.817	21%
P090624A BTEX.quantmethod.xml	m-/p-Xylene	4	P2404980.D	42.95	287337	108.1	1079066	0.670	-0.95%
P090624A BTEX.quantmethod.xml	m-/p-Xylene	5	P2404981.D	107.36	601872	108.1	1042115	0.582	-14%
P090624A BTEX.quantmethod.xml	m-/p-Xylene	6	P2404982.D	214.73	1307488	108.1	1053728	0.625	-7.7%
P090624A BTEX.quantmethod.xml	m-/p-Xylene	7	P2404983.D	644.18	4394447	108.1	1066774	0.691	2.1%
						Avg:	1083659	0.677	
						%RSD:	4.0%	11%	
P090624A BTEX.quantmethod.xml	o-Xylene	1	P2404977.D	5.40	44196	108.1	1169254	0.757	5.1%
P090624A BTEX.quantmethod.xml	o-Xylene	2	P2404978.D	10.80	82293	108.1	1107038	0.745	3.4%
P090624A BTEX.quantmethod.xml	o-Xylene	3	P2404979.D	21.59	162748	108.1	1067634	0.763	6.0%
P090624A BTEX.quantmethod.xml	o-Xylene	4	P2404980.D	43.18	323877	108.1	1079066	0.752	4.4%
P090624A BTEX.quantmethod.xml	o-Xylene	5	P2404981.D	107.95	690821	108.1	1042115	0.664	-7.8%
P090624A BTEX.quantmethod.xml	o-Xylene	6	P2404982.D	215.90	1404667	108.1	1053728	0.668	-7.3%
P090624A BTEX.quantmethod.xml	o-Xylene	7	P2404983.D	647.71	4429477	108.1	1066774	0.693	-3.8%
						Avg:	1083659	0.720	
						%RSD:	4.0%	6.1%	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP401-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
P090624A BTEX.quantmethod.xml	Toluene	1	P2404977.D	5.39	60242	108.1	1169254	1.034	15%
P090624A BTEX.quantmethod.xml	Toluene	2	P2404978.D	10.78	103782	108.1	1107038	0.940	4.7%
P090624A BTEX.quantmethod.xml	Toluene	3	P2404979.D	21.56	201417	108.1	1067634	0.946	5.3%
P090624A BTEX.quantmethod.xml	Toluene	4	P2404980.D	43.11	378117	108.1	1079066	0.879	-2.2%
P090624A BTEX.quantmethod.xml	Toluene	5	P2404981.D	107.78	866654	108.1	1042115	0.834	-7.1%
P090624A BTEX.quantmethod.xml	Toluene	6	P2404982.D	215.56	1738243	108.1	1053728	0.827	-7.9%
P090624A BTEX.quantmethod.xml	Toluene	7	P2404983.D	646.68	5279870	108.1	1066774	0.828	-7.9%
						Avg:	1083659	0.898	
						%RSD:	4.0%	8.7%	
P090624A BTEX.quantmethod.xml	Benzene	ICV	P2404984.D	63.61	412010	91.7	731399	0.812	-17%
P090624A BTEX.quantmethod.xml	Ethylbenzene	ICV	P2404984.D	85.41	703130	108.1	1042671	0.854	-10%
P090624A BTEX.quantmethod.xml	m-/p-Xylene	ICV	P2404984.D	88.90	563818	108.1	1042671	0.658	-2.8%
P090624A BTEX.quantmethod.xml	o-Xylene	ICV	P2404984.D	87.50	558957	108.1	1042671	0.662	-8%
P090624A BTEX.quantmethod.xml	Toluene	ICV	P2404984.D	75.87	552004	108.1	1042671	0.754	-16%

M325B Report ver.20240112 printed Tuesday, October 15, 2024 4:26 PM

This Is The Last Page Of This Report.

CITGO – South Portland Terminal

102 Mechanic St.
South Portland, ME 04106

Sampling Event 12

PROJ-031602

Analytical Report (2024FP402)

EPA Method 325B

Benzene, Toluene, Ethylbenzene, m-/p-Xylenes, o-Xylene

Report Submitted By:
Montrose Air Quality Services LLC – Pine Brook, NJ

Enthalpy Analytical, LLC
Phone: (919) 850 - 4392 / Fax: (919) 850 - 9012 / www.enthalpy.com
800-1 Capitola Drive, Durham, NC 27713

I certify that to the best of my knowledge all analytical data presented in this report:

- Have been checked for completeness
- Are accurate, error-free, and legible
- Have been conducted in accordance with approved protocol, and that all deviations and analytical problems are summarized in the appropriate narrative(s)

This analytical report was prepared in Portable Document Format (.PDF). This report shall not be reproduced except in full without approval of the laboratory. This will provide assurance that parts of a report are not taken out of context.



Report Issued: 11/05/2024

ENTHALPY ANALYTICAL

Summary of Results

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP402-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Summary

Sample Code	Tube ID	Benzene (ug/m³)	Flag	Ethylbenzene (ug/m³)	Flag	m-/p-Xylene (ug/m³)	Flag	o-Xylene (ug/m³)	Flag	Toluene (ug/m³)	Flag
CGOSP-1-S-20241008	C32946	1.55		0.872		2.86		0.990		5.34	
CGOSP-2-S-20241008	B35687	1.39		1.10		2.51		0.907		4.79	
CGOSP-3-S-20241008	B35553	1.90		1.25		4.03		1.49		6.75	
CGOSP-3-D-20241008	C53646	1.87		1.16		4.10		1.52		6.55	
CGOSP-3-B-20241008	B14849	0.385	J		ND		ND		ND	1.06	
CGOSP-4-S-20241008	C43885	2.51		1.67		5.52		1.92		9.12	
CGOSP-5-S-20241008	B44190	3.55		2.49		7.44		2.85		11.9	
CGOSP-6-S-20241008	B46139	3.47		2.72		7.96		2.92		12.5	
CGOSP-7-S-20241008	B35493	3.58		2.40		7.49		2.74		12.4	
CGOSP-8-S-20241008	C01501	4.48		2.42		8.11		2.87		14.4	
CGOSP-9-S-20241008	C35705	3.14		1.57		5.47		1.99		10.0	
CGOSP-9-D-20241008	C31405	3.39		1.92		6.48		2.28		10.8	
CGOSP-9-B-20241008	C37016		ND		ND		ND		ND		ND
CGOSP-10-S-20241008	C38955	2.04		1.20		4.33		1.48		6.95	
CGOSP-11-S-20241008	C35897	1.51		0.921		3.26		1.15		4.78	
CGOSP-12-S-20241008	B45048	1.55		0.879		2.81		1.04		5.67	
CGOSP-13-S-20241008	C01822	1.41		1.03		2.90		1.13		4.56	
CGOSP-14-S-20241008	B27341	1.40		1.13		2.97		1.10		5.03	
CGOSP-15-S-20241008	B50943	1.44		0.854		2.64		0.902		4.49	
CGOSP-16-S-20241008	C36943	1.52		0.882		2.96		1.14		5.46	
CGOSP-17-S-20241008	C43365	1.41		0.780		2.89		1.03		4.91	
CGOSP-18-S-20241008	C24223	1.83		1.15		3.64		1.40		6.98	

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit
ND: The analyte was not present above the Method Detection Limit

Results

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP402-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Benzene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
CGOSP-1-S-20241008	C32946	1.55	0.487	20.5	49.3	0.653	20,190	0.190	0.394	0.0594	0.123	
CGOSP-2-S-20241008	B35687	1.39	0.436	18.3	49.3	0.653	20,190	0.190	0.394	0.0594	0.123	
CGOSP-3-S-20241008	B35553	1.90	0.596	25.1	49.3	0.653	20,190	0.190	0.394	0.0594	0.123	
CGOSP-3-D-20241008	C53646	1.87	0.586	24.6	49.3	0.653	20,190	0.190	0.394	0.0594	0.123	
CGOSP-3-B-20241008	B14849	0.385	0.120	5.07	49.3	0.653	20,190	0.190	0.394	0.0594	0.123	J
CGOSP-4-S-20241008	C43885	2.51	0.785	33.0	49.3	0.653	20,191	0.190	0.394	0.0594	0.123	
CGOSP-5-S-20241008	B44190	3.55	1.11	46.7	49.3	0.653	20,190	0.190	0.394	0.0594	0.123	
CGOSP-6-S-20241008	B46139	3.47	1.09	45.7	49.4	0.653	20,190	0.190	0.394	0.0594	0.123	
CGOSP-7-S-20241008	B35493	3.58	1.12	47.2	49.4	0.653	20,190	0.190	0.394	0.0594	0.123	
CGOSP-8-S-20241008	C01501	4.48	1.40	59.0	49.4	0.653	20,190	0.190	0.394	0.0594	0.123	
CGOSP-9-S-20241008	C35705	3.14	0.982	41.3	49.4	0.653	20,190	0.190	0.394	0.0594	0.123	
CGOSP-9-D-20241008	C31405	3.39	1.06	44.6	49.4	0.653	20,190	0.190	0.394	0.0594	0.123	
CGOSP-9-B-20241008	C37016				49.4	0.653	20,190	0.190	0.394	0.0594	0.123	ND
CGOSP-10-S-20241008	C38955	2.04	0.639	26.9	49.4	0.653	20,189	0.190	0.394	0.0594	0.123	
CGOSP-11-S-20241008	C35897	1.51	0.473	19.9	49.4	0.653	20,189	0.190	0.394	0.0594	0.123	
CGOSP-12-S-20241008	B45048	1.55	0.486	20.4	49.4	0.653	20,190	0.190	0.394	0.0594	0.123	
CGOSP-13-S-20241008	C01822	1.41	0.442	18.6	49.4	0.653	20,190	0.190	0.394	0.0594	0.123	
CGOSP-14-S-20241008	B27341	1.40	0.439	18.5	49.4	0.653	20,195	0.190	0.394	0.0594	0.123	
CGOSP-15-S-20241008	B50943	1.44	0.450	18.9	49.4	0.653	20,195	0.190	0.394	0.0594	0.123	
CGOSP-16-S-20241008	C36943	1.52	0.475	20.0	49.4	0.653	20,195	0.190	0.394	0.0594	0.123	
CGOSP-17-S-20241008	C43365	1.41	0.443	18.6	49.4	0.653	20,195	0.190	0.394	0.0594	0.123	
CGOSP-18-S-20241008	C24223	1.83	0.573	24.1	49.4	0.653	20,195	0.190	0.394	0.0594	0.123	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP402-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Ethylbenzene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
CGOSP-1-S-20241008	C32946	0.872	0.201	7.89	49.3	0.448	20,190	0.276	0.590	0.0637	0.136	
CGOSP-2-S-20241008	B35687	1.10	0.254	9.95	49.3	0.448	20,190	0.276	0.590	0.0637	0.136	
CGOSP-3-S-20241008	B35553	1.25	0.288	11.3	49.3	0.448	20,190	0.276	0.590	0.0637	0.136	
CGOSP-3-D-20241008	C53646	1.16	0.267	10.5	49.3	0.448	20,190	0.276	0.590	0.0637	0.136	
CGOSP-3-B-20241008	B14849				49.3	0.448	20,190	0.276	0.590	0.0637	0.136	ND
CGOSP-4-S-20241008	C43885	1.67	0.384	15.1	49.3	0.448	20,191	0.276	0.590	0.0637	0.136	
CGOSP-5-S-20241008	B44190	2.49	0.574	22.5	49.3	0.448	20,190	0.276	0.590	0.0637	0.136	
CGOSP-6-S-20241008	B46139	2.72	0.628	24.6	49.4	0.448	20,190	0.276	0.590	0.0637	0.136	
CGOSP-7-S-20241008	B35493	2.40	0.554	21.7	49.4	0.448	20,190	0.276	0.590	0.0637	0.136	
CGOSP-8-S-20241008	C01501	2.42	0.557	21.9	49.4	0.448	20,190	0.276	0.590	0.0637	0.136	
CGOSP-9-S-20241008	C35705	1.57	0.361	14.2	49.4	0.448	20,190	0.276	0.590	0.0637	0.136	
CGOSP-9-D-20241008	C31405	1.92	0.443	17.4	49.4	0.448	20,190	0.276	0.590	0.0637	0.136	
CGOSP-9-B-20241008	C37016				49.4	0.448	20,190	0.276	0.590	0.0637	0.136	ND
CGOSP-10-S-20241008	C38955	1.20	0.276	10.8	49.4	0.448	20,189	0.276	0.590	0.0637	0.136	
CGOSP-11-S-20241008	C35897	0.921	0.212	8.33	49.4	0.448	20,189	0.276	0.590	0.0637	0.136	
CGOSP-12-S-20241008	B45048	0.879	0.202	7.95	49.4	0.448	20,190	0.276	0.590	0.0637	0.136	
CGOSP-13-S-20241008	C01822	1.03	0.236	9.27	49.4	0.448	20,190	0.276	0.590	0.0637	0.136	
CGOSP-14-S-20241008	B27341	1.13	0.261	10.2	49.4	0.448	20,195	0.276	0.589	0.0637	0.136	
CGOSP-15-S-20241008	B50943	0.854	0.197	7.73	49.4	0.448	20,195	0.276	0.589	0.0637	0.136	
CGOSP-16-S-20241008	C36943	0.882	0.203	7.98	49.4	0.448	20,195	0.276	0.589	0.0637	0.136	
CGOSP-17-S-20241008	C43365	0.780	0.180	7.05	49.4	0.448	20,195	0.276	0.589	0.0637	0.136	
CGOSP-18-S-20241008	C24223	1.15	0.264	10.4	49.4	0.448	20,195	0.276	0.589	0.0637	0.136	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP402-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

m-/p-Xylene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
CGOSP-1-S-20241008	C32946	2.86	0.659	25.9	49.3	0.448	20,190	0.276	0.594	0.0637	0.137	
CGOSP-2-S-20241008	B35687	2.51	0.578	22.7	49.3	0.448	20,190	0.276	0.594	0.0637	0.137	
CGOSP-3-S-20241008	B35553	4.03	0.930	36.5	49.3	0.448	20,190	0.276	0.594	0.0637	0.137	
CGOSP-3-D-20241008	C53646	4.10	0.946	37.1	49.3	0.448	20,190	0.276	0.594	0.0637	0.137	
CGOSP-3-B-20241008	B14849				49.3	0.448	20,190	0.276	0.594	0.0637	0.137	ND
CGOSP-4-S-20241008	C43885	5.52	1.27	49.9	49.3	0.448	20,191	0.276	0.593	0.0637	0.137	
CGOSP-5-S-20241008	B44190	7.44	1.71	67.3	49.3	0.448	20,190	0.276	0.594	0.0637	0.137	
CGOSP-6-S-20241008	B46139	7.96	1.83	72.0	49.4	0.448	20,190	0.276	0.593	0.0637	0.137	
CGOSP-7-S-20241008	B35493	7.49	1.73	67.7	49.4	0.448	20,190	0.276	0.593	0.0637	0.137	
CGOSP-8-S-20241008	C01501	8.11	1.87	73.4	49.4	0.448	20,190	0.276	0.593	0.0637	0.137	
CGOSP-9-S-20241008	C35705	5.47	1.26	49.4	49.4	0.448	20,190	0.276	0.593	0.0637	0.137	
CGOSP-9-D-20241008	C31405	6.48	1.49	58.6	49.4	0.448	20,190	0.276	0.593	0.0637	0.137	
CGOSP-9-B-20241008	C37016				49.4	0.448	20,190	0.276	0.593	0.0637	0.137	ND
CGOSP-10-S-20241008	C38955	4.33	0.999	39.2	49.4	0.448	20,189	0.276	0.594	0.0637	0.137	
CGOSP-11-S-20241008	C35897	3.26	0.751	29.5	49.4	0.448	20,189	0.276	0.594	0.0637	0.137	
CGOSP-12-S-20241008	B45048	2.81	0.648	25.4	49.4	0.448	20,190	0.276	0.593	0.0637	0.137	
CGOSP-13-S-20241008	C01822	2.90	0.668	26.2	49.4	0.448	20,190	0.276	0.593	0.0637	0.137	
CGOSP-14-S-20241008	B27341	2.97	0.685	26.9	49.4	0.448	20,195	0.276	0.593	0.0637	0.137	
CGOSP-15-S-20241008	B50943	2.64	0.608	23.9	49.4	0.448	20,195	0.276	0.593	0.0637	0.137	
CGOSP-16-S-20241008	C36943	2.96	0.683	26.8	49.4	0.448	20,195	0.276	0.593	0.0637	0.137	
CGOSP-17-S-20241008	C43365	2.89	0.665	26.1	49.4	0.448	20,195	0.276	0.593	0.0637	0.137	
CGOSP-18-S-20241008	C24223	3.64	0.840	33.0	49.4	0.448	20,195	0.276	0.593	0.0637	0.137	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP402-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

o-Xylene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
CGOSP-1-S-20241008	C32946	0.990	0.228	8.95	49.3	0.448	20,190	0.276	0.597	0.0637	0.138	
CGOSP-2-S-20241008	B35687	0.907	0.209	8.20	49.3	0.448	20,190	0.276	0.597	0.0637	0.138	
CGOSP-3-S-20241008	B35553	1.49	0.343	13.5	49.3	0.448	20,190	0.276	0.597	0.0637	0.138	
CGOSP-3-D-20241008	C53646	1.52	0.350	13.8	49.3	0.448	20,190	0.276	0.597	0.0637	0.138	
CGOSP-3-B-20241008	B14849				49.3	0.448	20,190	0.276	0.597	0.0637	0.138	ND
CGOSP-4-S-20241008	C43885	1.92	0.442	17.3	49.3	0.448	20,191	0.276	0.597	0.0637	0.138	
CGOSP-5-S-20241008	B44190	2.85	0.657	25.8	49.3	0.448	20,190	0.276	0.597	0.0637	0.138	
CGOSP-6-S-20241008	B46139	2.92	0.672	26.4	49.4	0.448	20,190	0.276	0.597	0.0637	0.138	
CGOSP-7-S-20241008	B35493	2.74	0.630	24.7	49.4	0.448	20,190	0.276	0.597	0.0637	0.138	
CGOSP-8-S-20241008	C01501	2.87	0.662	26.0	49.4	0.448	20,190	0.276	0.597	0.0637	0.138	
CGOSP-9-S-20241008	C35705	1.99	0.459	18.0	49.4	0.448	20,190	0.276	0.597	0.0637	0.138	
CGOSP-9-D-20241008	C31405	2.28	0.526	20.6	49.4	0.448	20,190	0.276	0.597	0.0637	0.138	
CGOSP-9-B-20241008	C37016				49.4	0.448	20,190	0.276	0.597	0.0637	0.138	ND
CGOSP-10-S-20241008	C38955	1.48	0.342	13.4	49.4	0.448	20,189	0.276	0.597	0.0637	0.138	
CGOSP-11-S-20241008	C35897	1.15	0.265	10.4	49.4	0.448	20,189	0.276	0.597	0.0637	0.138	
CGOSP-12-S-20241008	B45048	1.04	0.239	9.36	49.4	0.448	20,190	0.276	0.597	0.0637	0.138	
CGOSP-13-S-20241008	C01822	1.13	0.260	10.2	49.4	0.448	20,190	0.276	0.597	0.0637	0.138	
CGOSP-14-S-20241008	B27341	1.10	0.254	9.97	49.4	0.448	20,195	0.276	0.597	0.0637	0.137	
CGOSP-15-S-20241008	B50943	0.902	0.208	8.16	49.4	0.448	20,195	0.276	0.597	0.0637	0.137	
CGOSP-16-S-20241008	C36943	1.14	0.264	10.3	49.4	0.448	20,195	0.276	0.597	0.0637	0.137	
CGOSP-17-S-20241008	C43365	1.03	0.237	9.31	49.4	0.448	20,195	0.276	0.597	0.0637	0.137	
CGOSP-18-S-20241008	C24223	1.40	0.323	12.7	49.4	0.448	20,195	0.276	0.597	0.0637	0.137	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP402-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Toluene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
CGOSP-1-S-20241008	C32946	5.34	1.42	54.6	49.3	0.506	20,190	0.245	0.527	0.0649	0.140	
CGOSP-2-S-20241008	B35687	4.79	1.27	49.0	49.3	0.506	20,190	0.245	0.527	0.0649	0.140	
CGOSP-3-S-20241008	B35553	6.75	1.79	69.0	49.3	0.506	20,190	0.245	0.527	0.0649	0.140	
CGOSP-3-D-20241008	C53646	6.55	1.74	67.0	49.3	0.506	20,190	0.245	0.527	0.0649	0.140	
CGOSP-3-B-20241008	B14849	1.06	0.282	10.9	49.3	0.506	20,190	0.245	0.527	0.0649	0.140	
CGOSP-4-S-20241008	C43885	9.12	2.42	93.3	49.3	0.506	20,191	0.244	0.527	0.0649	0.140	
CGOSP-5-S-20241008	B44190	11.9	3.15	121	49.3	0.506	20,190	0.245	0.527	0.0649	0.140	
CGOSP-6-S-20241008	B46139	12.5	3.31	128	49.4	0.506	20,190	0.245	0.527	0.0649	0.140	
CGOSP-7-S-20241008	B35493	12.4	3.29	127	49.4	0.506	20,190	0.245	0.527	0.0649	0.140	
CGOSP-8-S-20241008	C01501	14.4	3.84	148	49.4	0.506	20,190	0.245	0.527	0.0649	0.140	
CGOSP-9-S-20241008	C35705	10.0	2.67	103	49.4	0.506	20,190	0.245	0.527	0.0649	0.140	
CGOSP-9-D-20241008	C31405	10.8	2.88	111	49.4	0.506	20,190	0.245	0.527	0.0649	0.140	
CGOSP-9-B-20241008	C37016				49.4	0.506	20,190	0.245	0.527	0.0649	0.140	ND
CGOSP-10-S-20241008	C38955	6.95	1.84	71.0	49.4	0.506	20,189	0.245	0.527	0.0649	0.140	
CGOSP-11-S-20241008	C35897	4.78	1.27	48.9	49.4	0.506	20,189	0.245	0.527	0.0649	0.140	
CGOSP-12-S-20241008	B45048	5.67	1.51	58.0	49.4	0.506	20,190	0.245	0.527	0.0649	0.140	
CGOSP-13-S-20241008	C01822	4.56	1.21	46.7	49.4	0.506	20,190	0.245	0.527	0.0649	0.140	
CGOSP-14-S-20241008	B27341	5.03	1.33	51.4	49.4	0.506	20,195	0.244	0.527	0.0649	0.140	
CGOSP-15-S-20241008	B50943	4.49	1.19	45.9	49.4	0.506	20,195	0.244	0.527	0.0649	0.140	
CGOSP-16-S-20241008	C36943	5.46	1.45	55.8	49.4	0.506	20,195	0.244	0.527	0.0649	0.140	
CGOSP-17-S-20241008	C43365	4.91	1.30	50.2	49.4	0.506	20,195	0.244	0.527	0.0649	0.140	
CGOSP-18-S-20241008	C24223	6.98	1.85	71.3	49.4	0.506	20,195	0.244	0.527	0.0649	0.140	

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit

ND: The analyte was not present above the Method Detection Limit

QC

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP402-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

QC Samples

Field Sample Type	Sample Code	Benzene		Ethylbenzene		m-/p-Xylene		o-Xylene		Toluene	
Blanks (ug/m³)	CGOSP-3-B-20241008	0.385	Pass	ND	Pass	ND	Pass	ND	Pass	1.06	Fail
	CGOSP-9-B-20241008	ND	Pass	ND	Pass	ND	Pass	ND	Pass	ND	Pass
Duplicates (difference)	CGOSP-3-D-20241008	1.7%	Pass	7.6%	Pass	1.7%	Pass	2.1%	Pass	3.0%	Pass
	CGOSP-9-D-20241008	7.6%	Pass	20%	Pass	17%	Pass	13%	Pass	7.6%	Pass

Narrative Summary

Enthalpy Analytical Narrative Summary

Company	Montrose Air Quality Services, LLC - New Jersey
Site	CITGO – South Portland Terminal
Project	PROJ-031602
Report #	2024FP402

Custody	Enthalpy Analytical, LLC received the sample tubes on 10/24/24. The samples were received in good condition at a temperature of 20.9 ºC. Prior to, during, and after analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, LLC.
Analysis	The samples were analyzed for Benzene, Toluene, Ethylbenzene, o-Xylene, and m-/p-Xylenes using EPA Method 325B – Volatile Organic Compounds from Fugitive and Area Sources by Thermal Desorption and GC/MS. A copy of the acquisition method (M325B-TD35.M) is not included in this report but may be available upon request.
Calibration	All BFB tune criteria have been met for this analysis. The initial calibration met 30% RSD criteria. The initial calibration verification met 30% recovery criteria. The continuing calibration verifications met 30% difference criteria. The initial and continuing calibration raw data are not included in this report but are available upon request.
Quality Control Notes	All quality control criteria required by the method and/or the laboratory SOP have been met unless noted otherwise below. Toluene was detected in field blank CGOSP-3-B-20241008 (tube ID B14849), however it was not at a concentration greater than one-third of the concentration of any of the samples in this data set. The chromatography appears to indicate that the source of low-level contamination occurred in the field and may be due to a loose brass end cap or a field sampling error.
Reporting Notes	The samples may have been purged to remove known or suspected moisture. If purging occurred, a CCV and a Method Blank will have been purged alongside the samples. The laboratory maintains documentation of samples that are purged. As specified in EPA Method 325B, the response factor of the daily continuing calibration standard was used to quantitate all field samples and blanks. All samples were reported as amount in ng catch, and concentration in µg/m3 and ppbv. The results presented in this report are representative of the samples as provided to the laboratory.

Enthalpy Analytical Narrative Summary
(continued)

These analyses met the requirements of the TNI Standard. Any deviations from the requirements of the reference method or TNI Standard have been stated above.

Sample Custody

2024FP402

ENTHALPY ANALYTICAL

EPA Method 325 A/B
Field Test Data Sheet and Chain of Custody Record

Page # 1 of 3 #

☐ Standard Turn Around Time (10 business days)
☐ Rush Turn Around Time
• All TATs Subject to Approval by Enthalpy Analytical, Inc.
• Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name:	Citgo So Portland Terminal	Client Name:	Montrose Air
Site Address:	107 Mechanic Street	Project Number:	PROJ-031602
City:	So. Portland	Project Manager:	Haig Brochu
State	Maine	Email Address:	haigbrochu@montrose-env.com
Zip:	04106	Telephone #:	207-441-0025

PO#:
Sample Event #
Sorbent:

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
1	C32946	S	10/8/24	10:15	10/22/24	10:45	HFB / HFB		
2	B35687	S	10/8/24	10:20	10/22/24	10:50	HFB / HFB		
3	B35553	S	10/8/24	10:25	10/22/24	10:53	HFB / HFB		
3	C53646	D	10/8/24	10:25	10/22/24	10:55	HFB / HFB		
3	B14849	B	10/8/24	10:25	10/22/24	10:55	HFB / HFB		
4	B43885	S	10/8/24	10:34	10/22/24	11:05	HFB / HFB		
5	B44190	S	10/8/24	10:40	10/22/24	11:10	HFB / HFB		
6	B46139	S	10/8/24	10:45	10/22/24	11:15	HFB / HFB		

Relinquished By (printed): Haig Brochu	Relinquished By (signature):	Relinquished Date: 10/22/24	Relinquished Time: 15:30
Recieved By (printed): Abby Browning	Recieved By (signature): Abby B	Receipt Date: 10/24/24	Receipt Time: 10:00
Sample Condition Upon Receipt: Good	Compound List:	Custody Seal intact? Y/N: Yes	Delivery tracking #
Ice Temp:	Blank Temp: 20.9 Fluke 7A	Add Custody Seal # below: 24A00703	

Comments: Sample # 4 = C43885

800-1 Capitola Drive • Durham, NC 27713 • (919) 850-4392 • FAX (919) 850-9012 • www.enthalpy.com

2024FP402

ENTHALPY ANALYTICAL

EPA Method 325 A/B
Field Test Data Sheet and Chain of Custody Record

Page # 2 of 3 #

☐ Standard Turn Around Time (10 business days)
☐ Rush Turn Around Time
• All TATs Subject to Approval by Enthalpy Analytical, Inc.
• Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name:	Citgo So Portland Terminal	Client Name:	Montrose Air
Site Address:	107 Mechanic Street	Project Number:	PROJ-031602
City:	So Portland	Project Manager:	Haig Brochu
State	Maine	Email Address:	haigbrochu@Montrose-env.com
Zip:	04106	Telephone #:	207-441-0025

PO#:
Sample Event #
Sorbent:

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
7	B35493	S	10/8/24	10:50	10/22/24	11:20	HFB / HFB		
8	C01501	S	10/8/24	10:55	10/22/24	11:25	HFB / HFB		
9	C35705	S	10/8/24	11:00	10/22/24	11:30	HFB / HFB		
9	C31405	D	10/8/24	11:00	10/22/24	11:30	HFB / HFB		
9	C37016	B	10/8/24	11:00	10/22/24	11:30	HFB / HFB		
10	C38955	S	10/8/24	11:06	10/22/24	11:35	HFB / HFB		
11	C35897	S	10/8/24	11:11	10/22/24	11:40	HFB / HFB		
12	B45048	S	10/8/24	11:15	10/22/24	11:45	HFB / HFB		

Relinquished By (printed): Haig Brochu	Relinquished By (signature):	Relinquished Date: 10/22/2024	Relinquished Time: 15:30
Recieved By (printed): Abby Browning	Recieved By (signature): Abby B	Receipt Date: 10/24/24	Receipt Time: 10:00
Sample Condition Upon Receipt: Good	Compound List:	Custody Seal intact? Y/N: Yes	Delivery tracking #
Ice Temp:	Blank Temp: 20.9 Fluke 7A	Add Custody Seal # below: 24A00703	

Comments:

800-1 Capitola Drive • Durham, NC 27713 • (919) 850-4392 • FAX (919) 850-9012 • www.enthalpy.com

2024FP402

ENTHALPY ANALYTICAL

EPA Method 325 A/B
Field Test Data Sheet and Chain of Custody Record

Page # 3 of 3 #

☐ Standard Turn Around Time (10 business days)
☐ Rush Turn Around Time
• All TATs Subject to Approval by Enthalpy Analytical, Inc.
• Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name:	Citgo So Portland Terminal	Client Name:	Montrose Air
Site Address:	107 Mechanic Street	Project Number:	PROT-031602
City:	So Portland	Project Manager:	Haig Brochu
State	Maine	Email Address:	haigbrochu@Montrose-env.com
Zip:	04106	Telephone #:	207-441-0025

PO#:
Sample Event #
Sorbent:

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
13	C01822	S	10/8/24	11:20	10/22/24	11:50	HFB / HFB		
14	B27341	S	10/8/24	11:25	10/22/24	12:00	HFB / HFB		
15	B50943	S	10/8/24	11:30	10/22/24	12:05	HFB / HFB		
16	C36943	S	10/8/24	11:35	10/22/24	12:10	HFB / HFB		
17	C43365	S	10/8/24	11:40	10/22/24	12:15	HFB / HFB		
18	C24223	S	10/8/24	11:45	10/22/24	12:20	HFB / HFB		
							/		
							/		

Relinquished By (printed): Haig Brochu	Relinquished By (signature):	Relinquished Date: 10/22/2024	Relinquished Time: 15:30
Recieved By (printed): Abby Browning	Recieved By (signature):	Receipt Date: 10/24/24	Receipt Time: 10:00
Sample Condition Upon Receipt: Good	Compound List:	Custody Seal intact? Y/N: Yes	Delivery tracking #
Ice Temp:	Blank Temp: 20.1 Fluke 7A	Add Custody Seal # below: 24A00703	

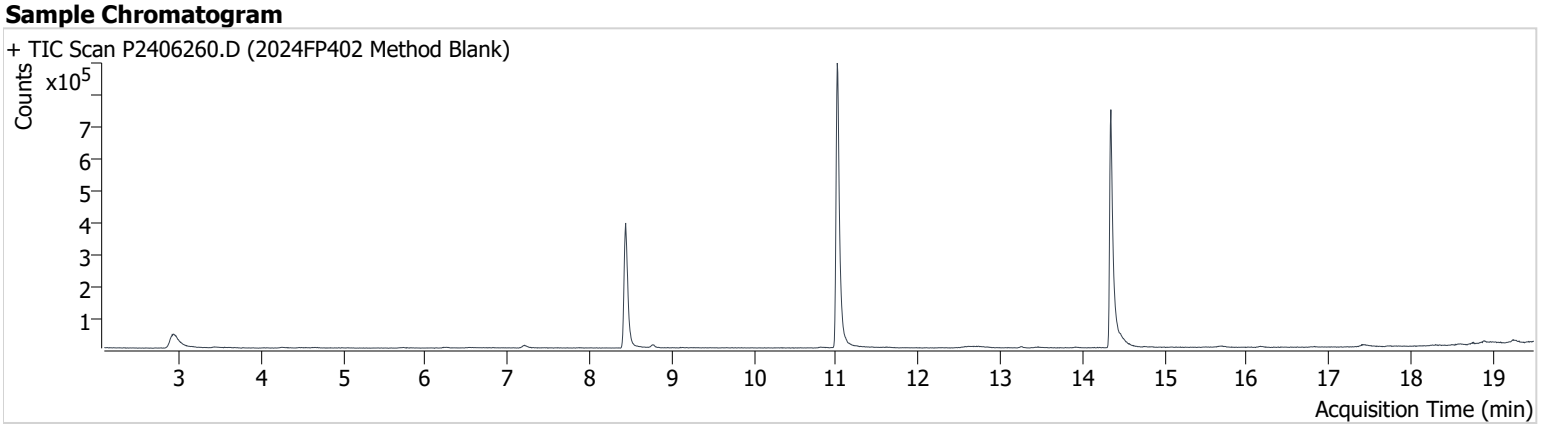
Comments:

800-1 Capitola Drive • Durham, NC 27713 • (919) 850-4392 • FAX (919) 850-9012 • www.enthalpy.com

Sample Chromatograms

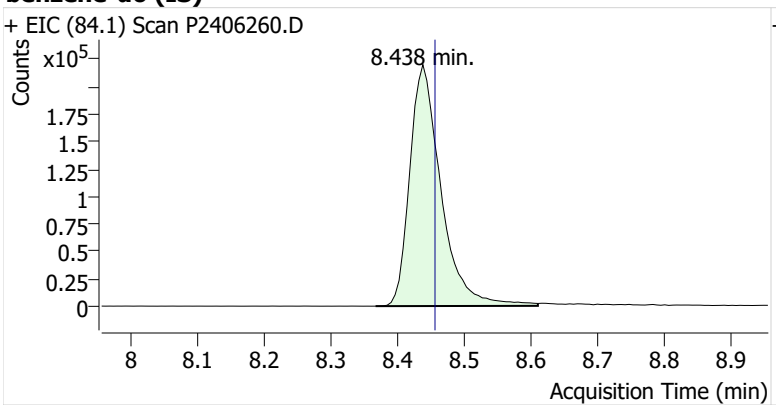
Name	2024FP402 Method Blank
Comment	C43334
Data File	P2406260.D
Acq. Date-Time	10/28/2024 2:30:06 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

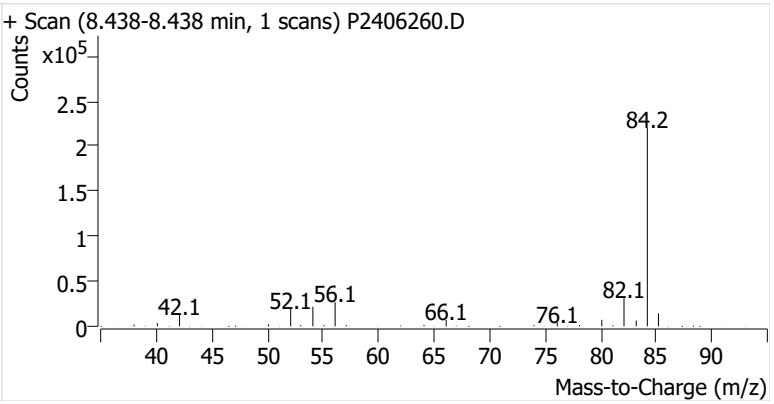
Sample Chromatogram



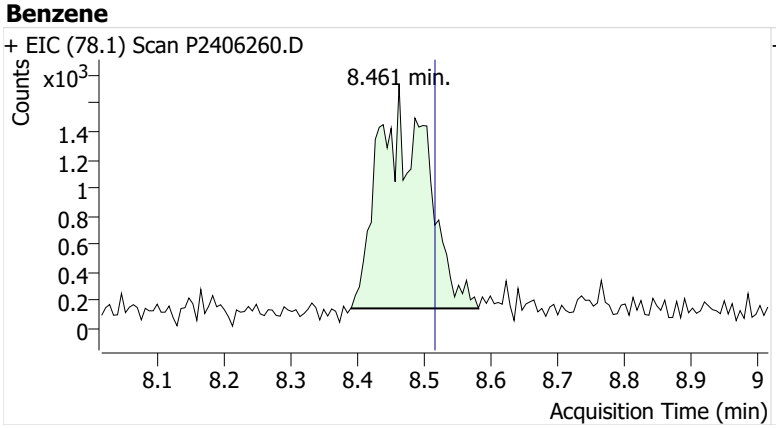
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.438	8.456	713,600	
Benzene	benzene-d6 (IS)	8.461	8.515	7,996	
Toluene-d8 (IS)		11.014	11.032	1,052,387	
Toluene	Toluene-d8 (IS)	11.103	11.121	9,015	
Ethylbenzene	Toluene-d8 (IS)	13.251	13.252	4,705	
m-/p-Xylene	Toluene-d8 (IS)	13.453	13.459	4,041	
o-Xylene	Toluene-d8 (IS)	13.910	13.922	2,668	

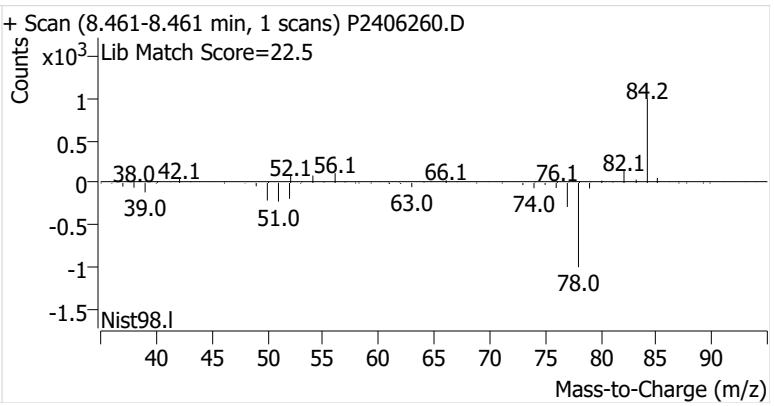
benzene-d6 (IS)



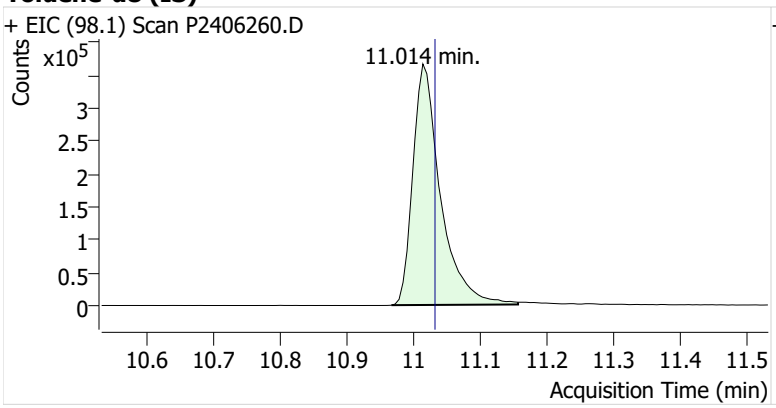


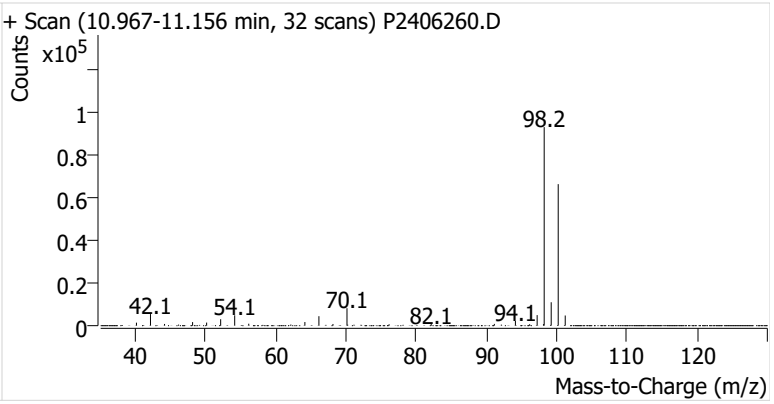
Benzene



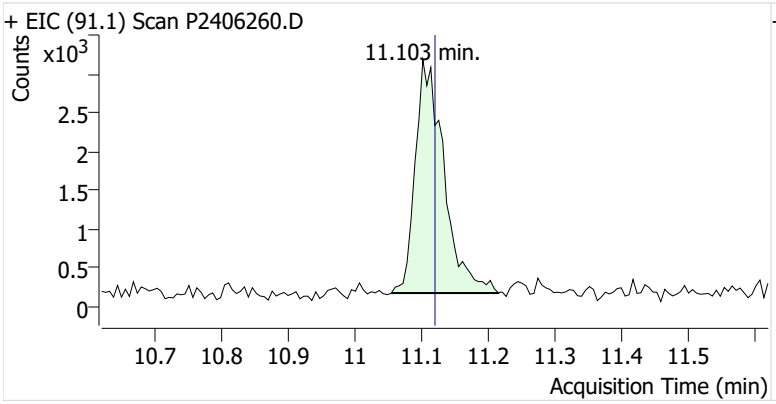


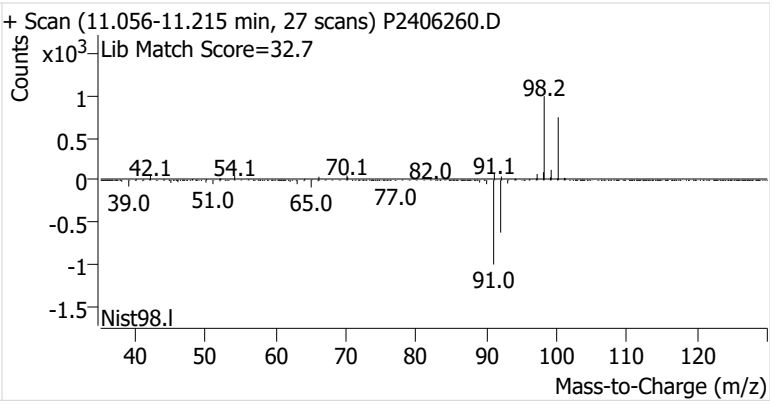
Toluene-d8 (IS)



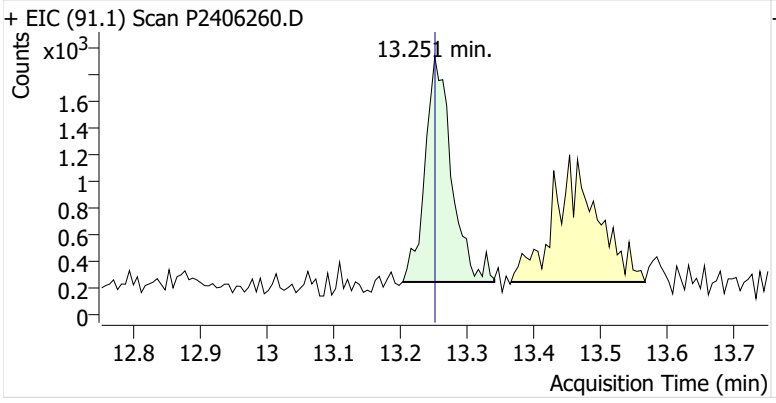


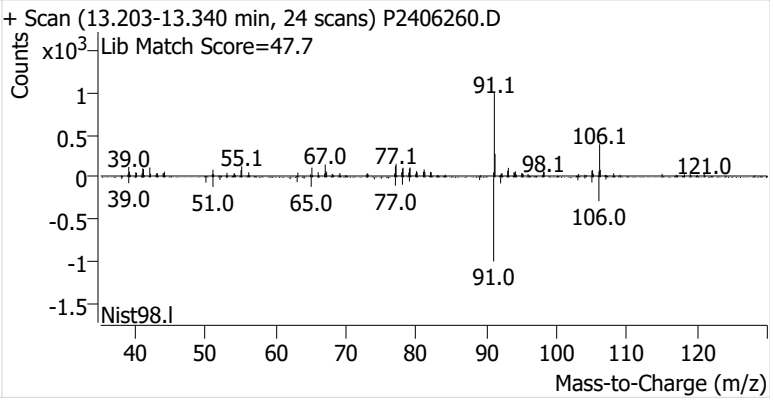
Toluene



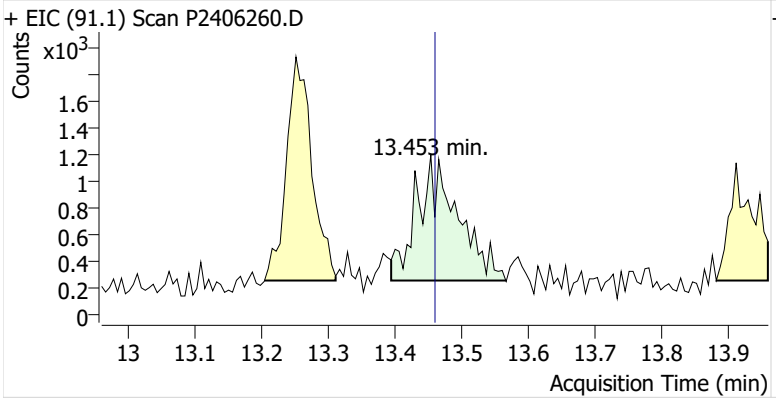


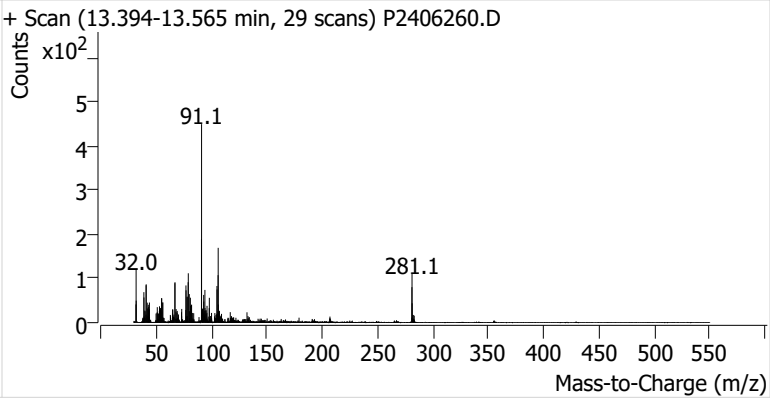
Ethylbenzene



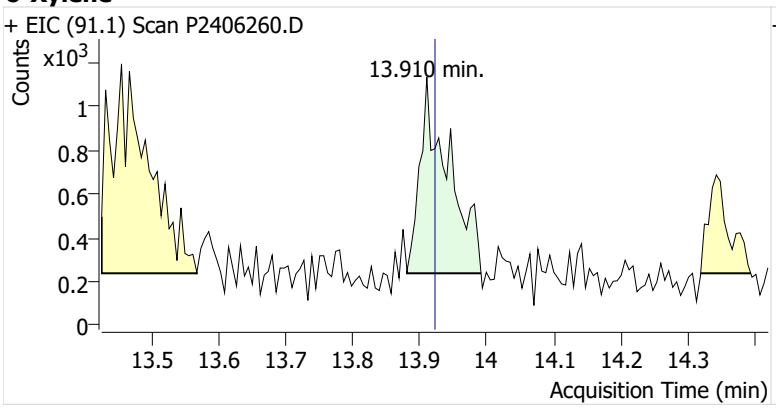


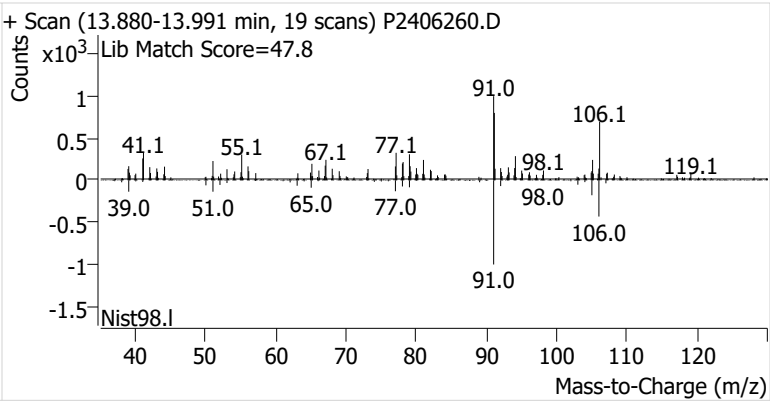
m-/p-Xylene





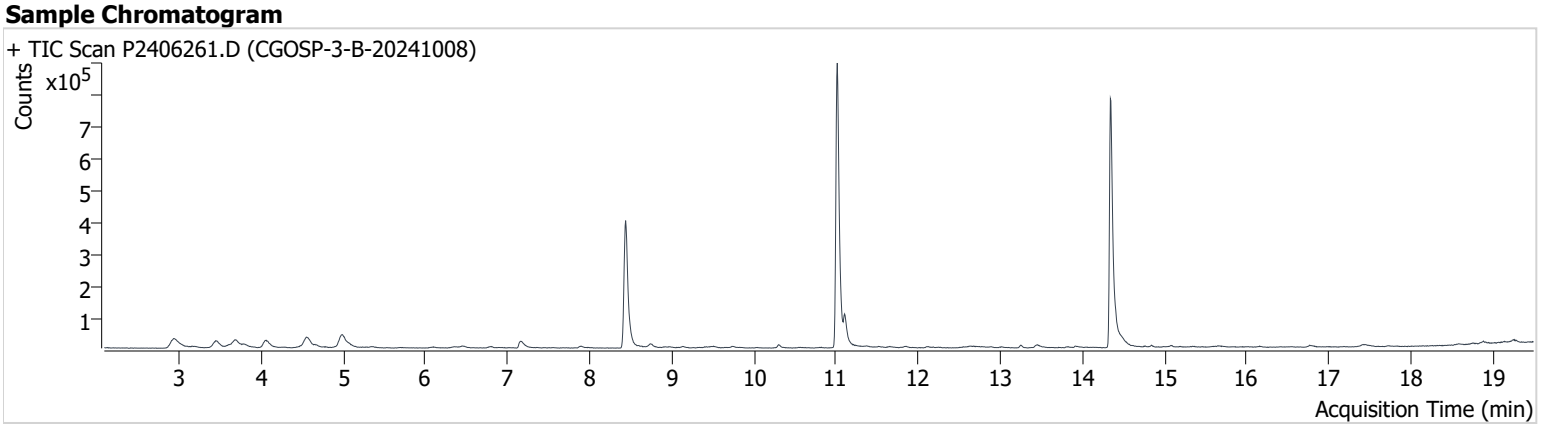
o-Xylene


+ EIC (91.1) Scan P2406260.D
Counts
x10^3
13.910 min.
Acquisition Time (min)


+ Scan (13.880-13.991 min, 19 scans) P2406260.D
Lib Match Score=47.8
Counts
x10^3
Nist98.l
Mass-to-Charge (m/z)

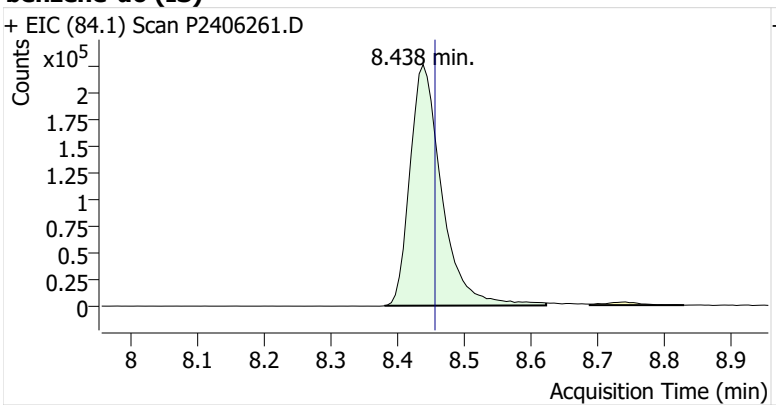
Name	CGOSP-3-B-20241008
Comment	B14849
Data File	P2406261.D
Acq. Date-Time	10/28/2024 3:07:23 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

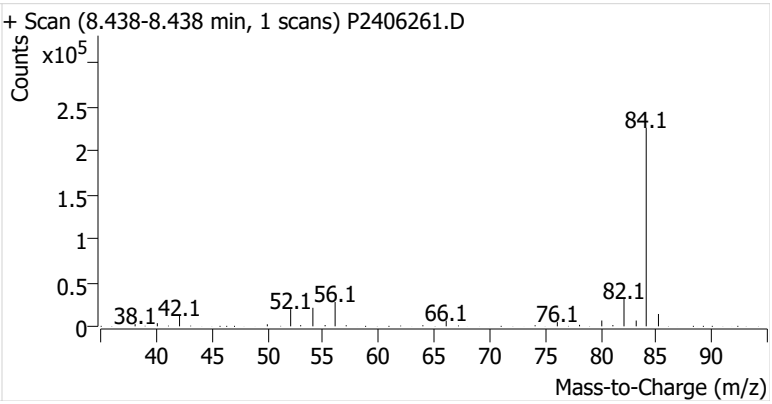
Sample Chromatogram



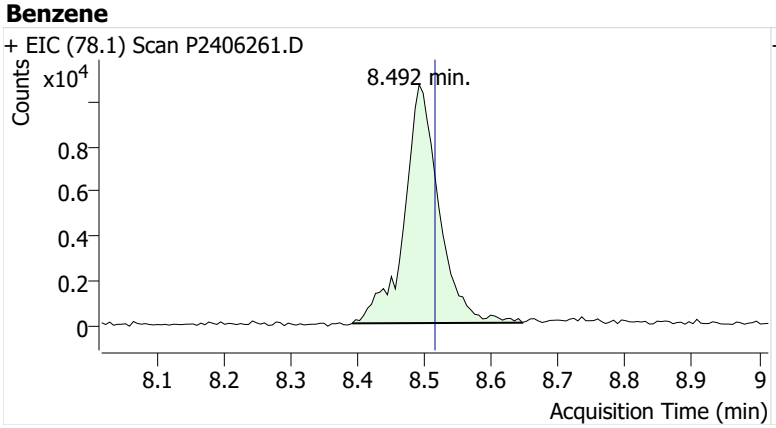
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.438	8.456	743,726	
Benzene	benzene-d6 (IS)	8.492	8.515	38,396	
Toluene-d8 (IS)		11.014	11.032	1,058,083	
Toluene	Toluene-d8 (IS)	11.109	11.121	97,348	
Ethylbenzene	Toluene-d8 (IS)	13.246	13.252	8,898	
m-/p-Xylene	Toluene-d8 (IS)	13.442	13.459	16,701	
o-Xylene	Toluene-d8 (IS)	13.911	13.922	7,021	

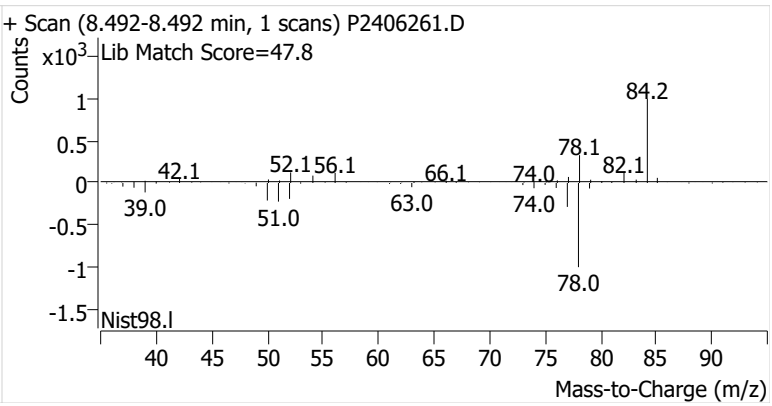
benzene-d6 (IS)



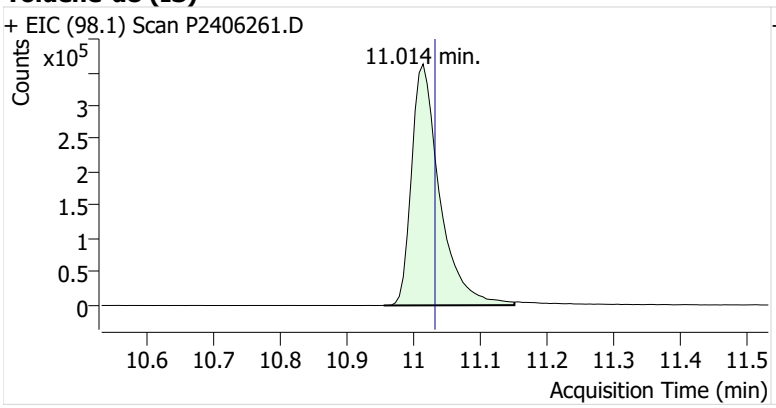


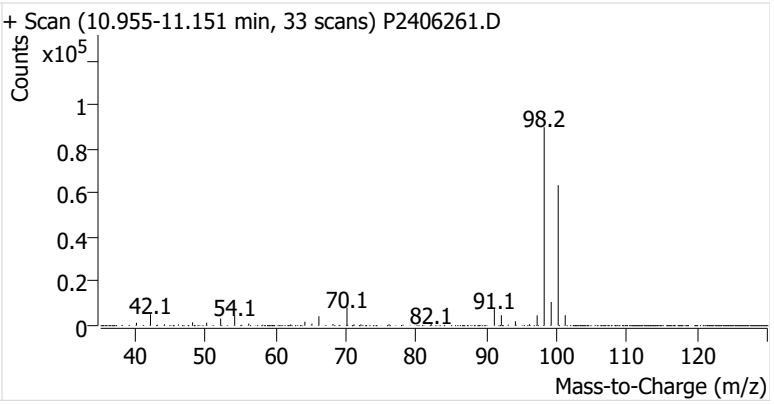
Benzene



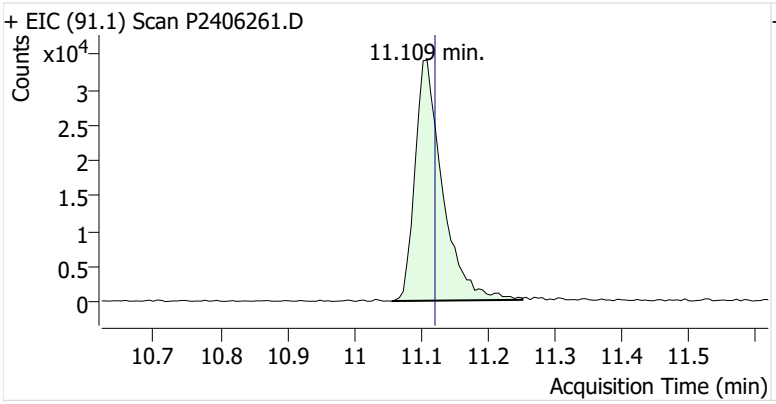


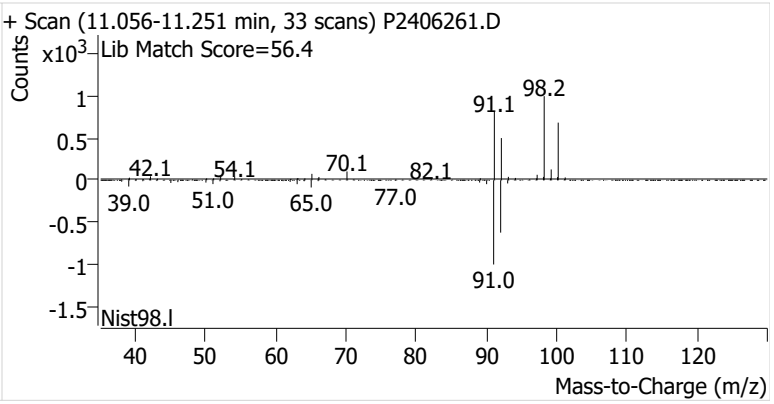
Toluene-d8 (IS)



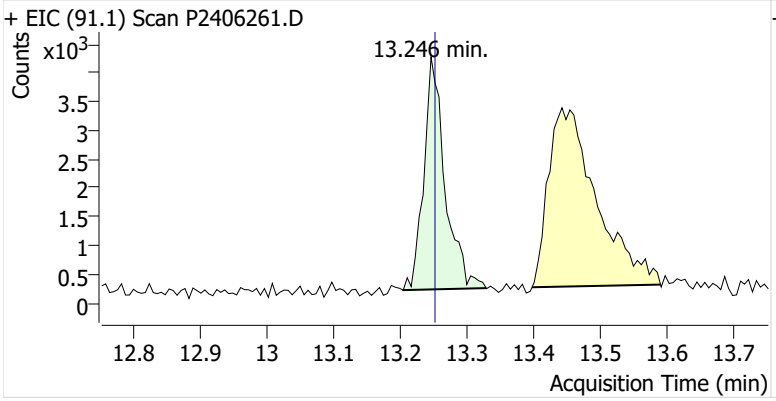


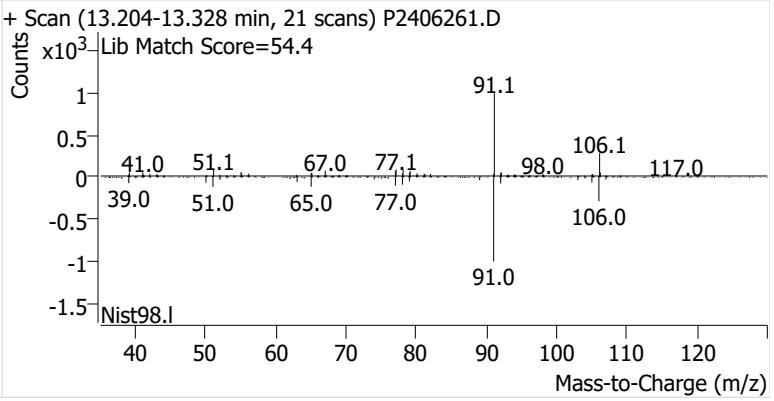
Toluene



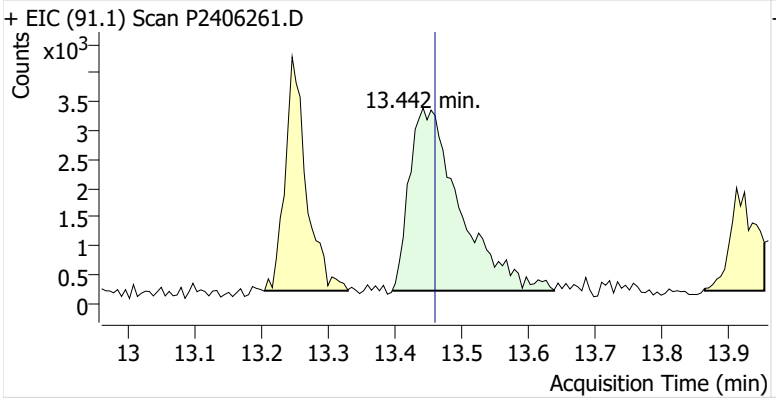


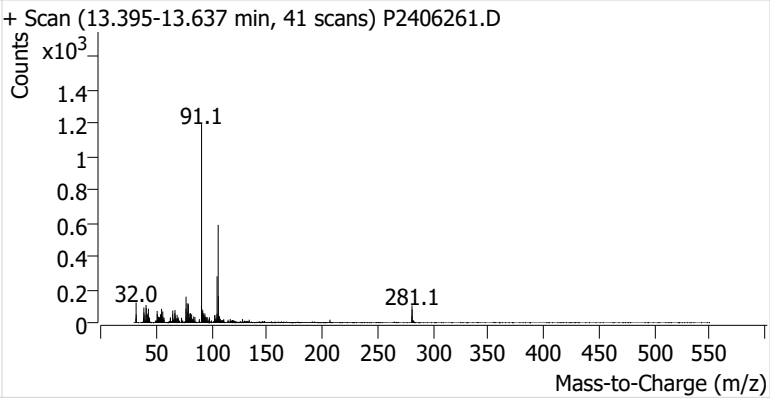
Ethylbenzene



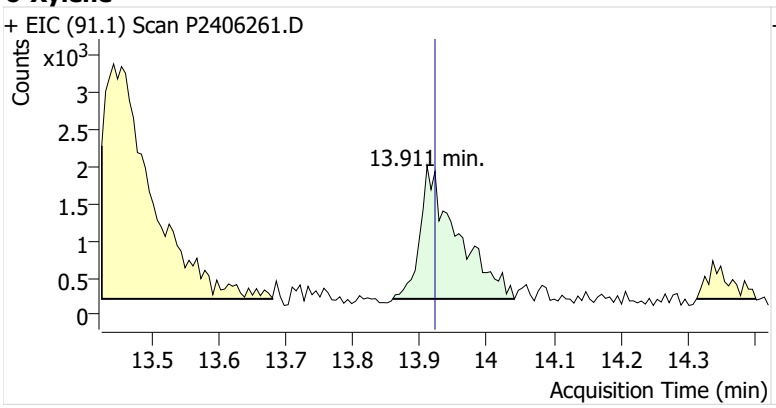


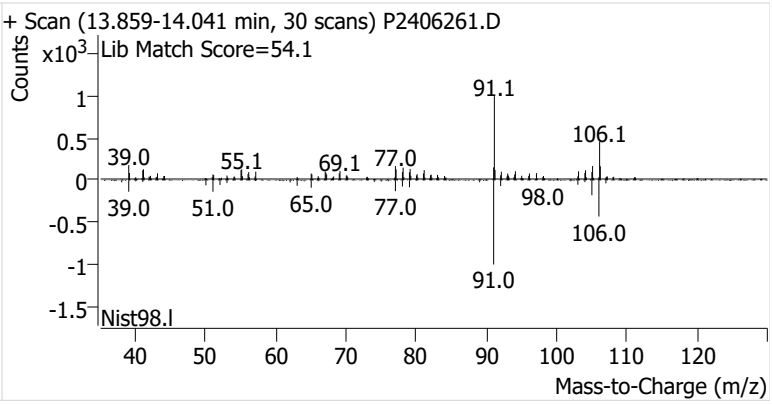
m-/p-Xylene





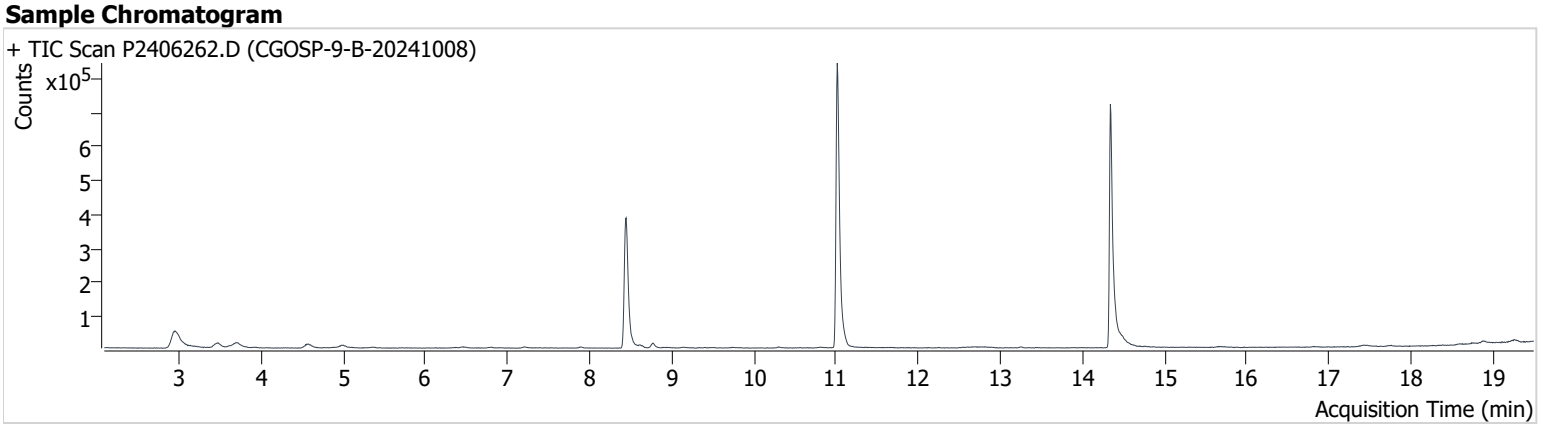
o-Xylene


+ EIC (91.1) Scan P2406261.D
Counts
x10^3
3
2.5
2
1.5
1
0.5
0
13.911 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.859-14.041 min, 30 scans) P2406261.D
Lib Match Score=54.1
Counts
x10^3
1
0.5
0
-0.5
-1
-1.5
91.1
106.1
39.0
55.1
69.1
77.0
98.0
39.0
51.0
65.0
77.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

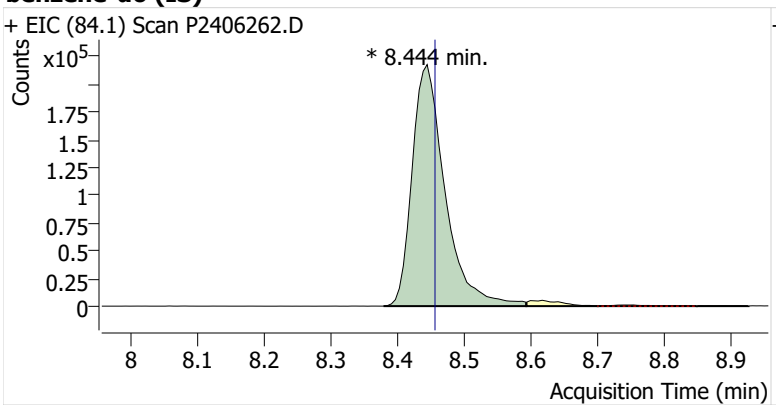
Name	CGOSP-9-B-20241008
Comment	C37016
Data File	P2406262.D
Acq. Date-Time	10/28/2024 3:44:40 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

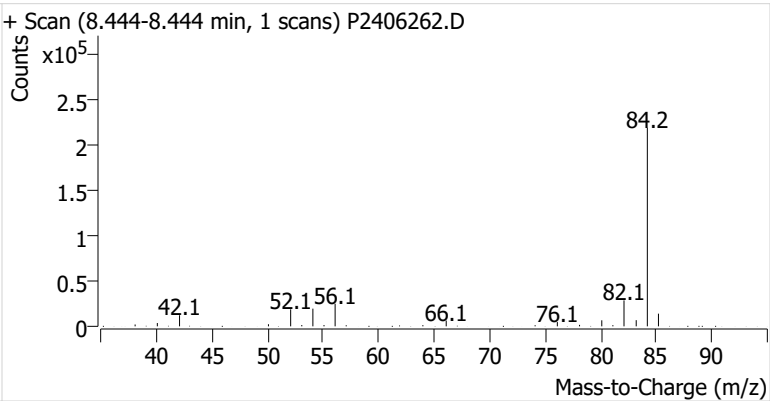
Sample Chromatogram



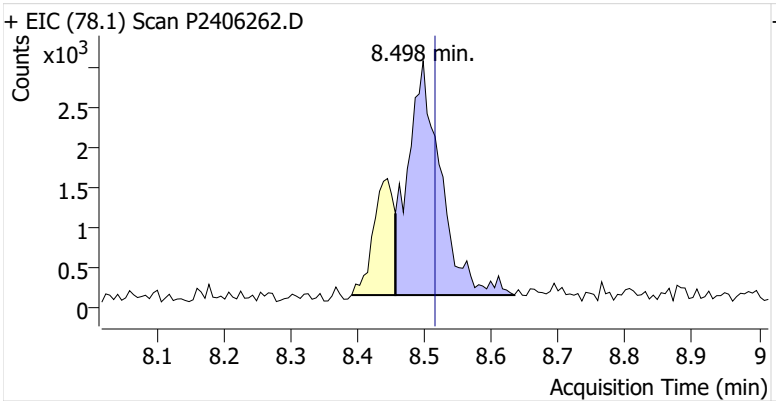
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.444	8.456	744,431	m
Benzene	benzene-d6 (IS)	8.498	8.515	10,149	
Toluene-d8 (IS)		11.014	11.032	1,013,804	
Toluene	Toluene-d8 (IS)	11.109	11.121	18,891	
Ethylbenzene	Toluene-d8 (IS)	13.246	13.252	2,953	
m-/p-Xylene	Toluene-d8 (IS)	13.471	13.459	953	
o-Xylene	Toluene-d8 (IS)	13.917	13.922	195	

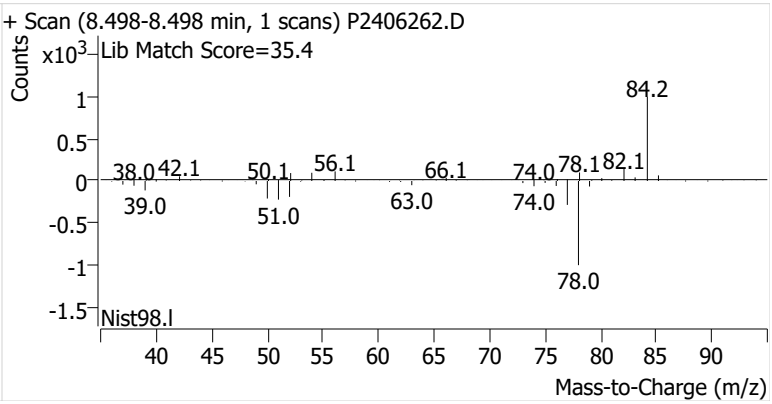
benzene-d6 (IS)



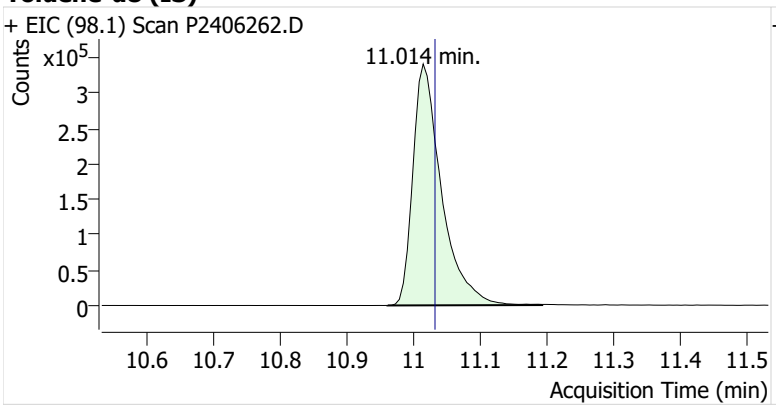


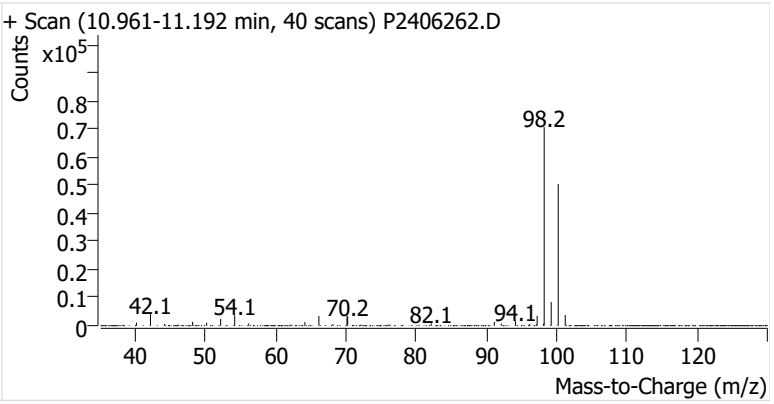
Benzene



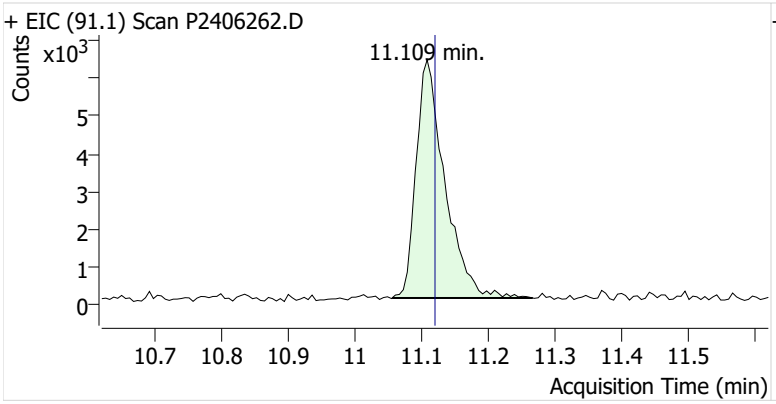


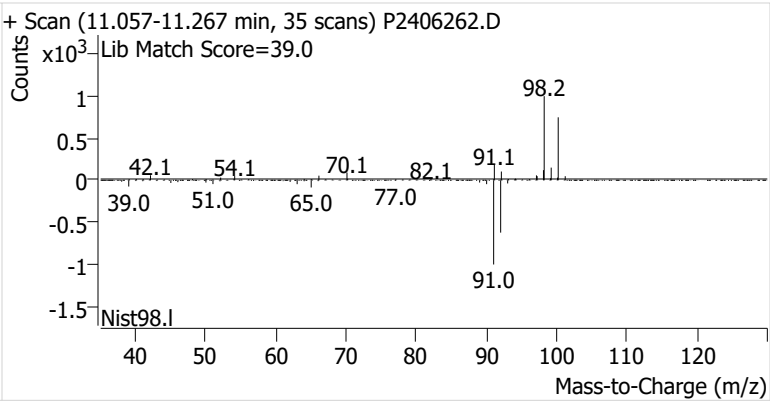
Toluene-d8 (IS)



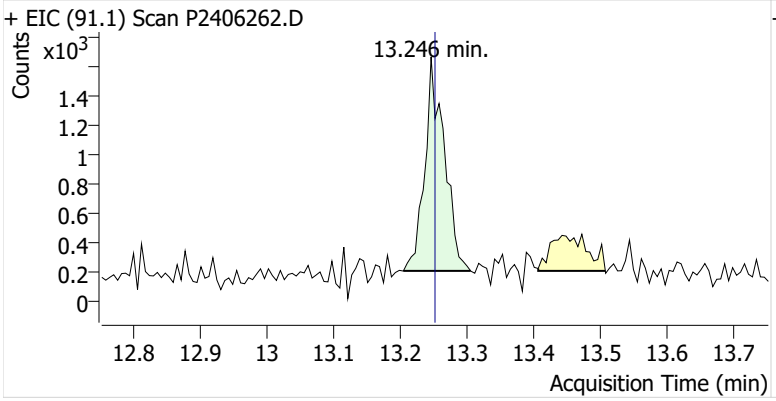


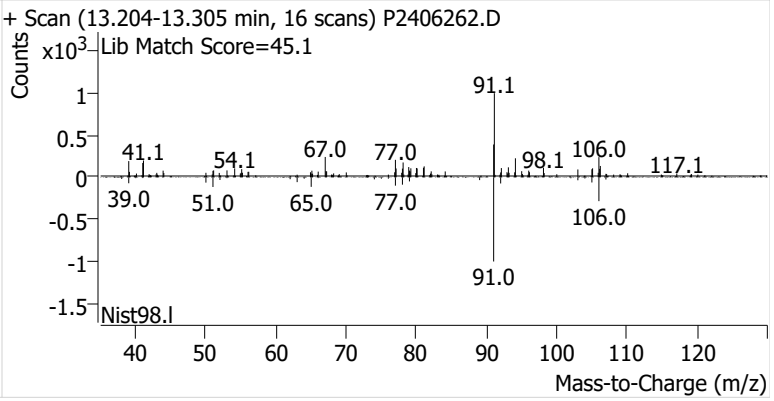
Toluene



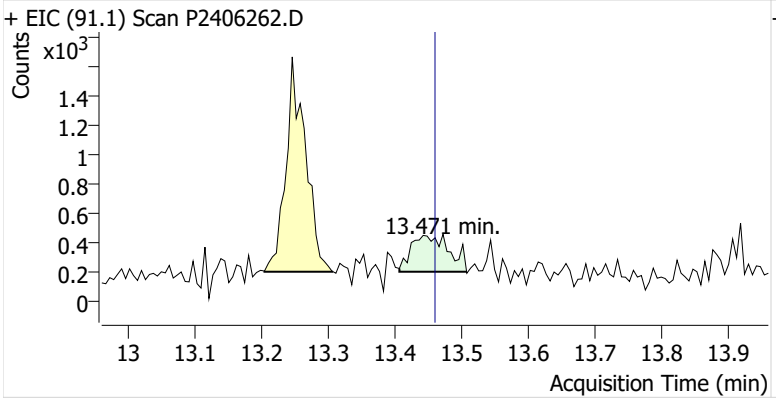


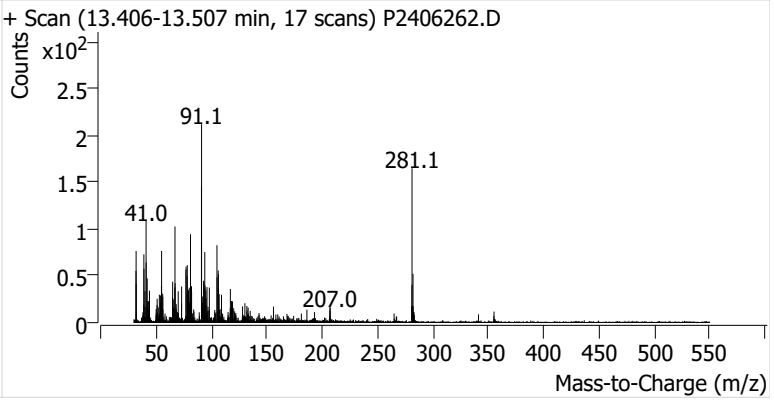
Ethylbenzene



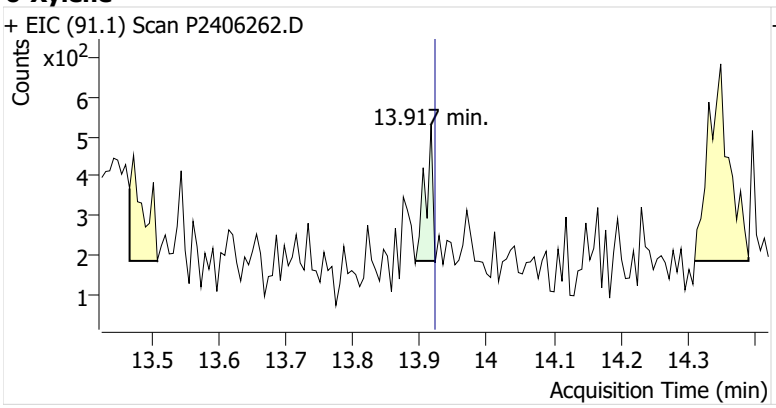


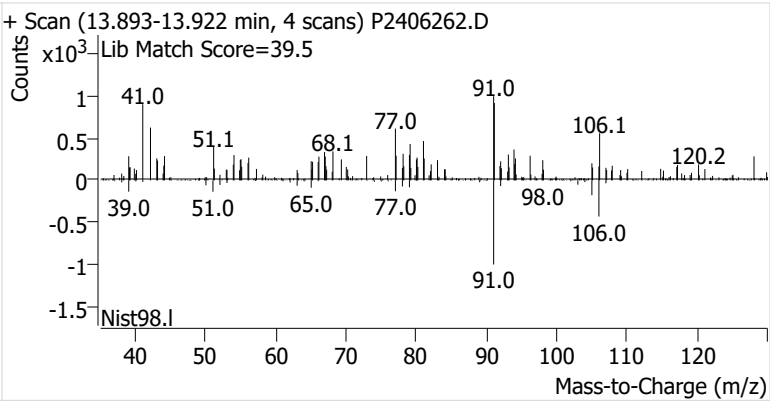
m-/p-Xylene





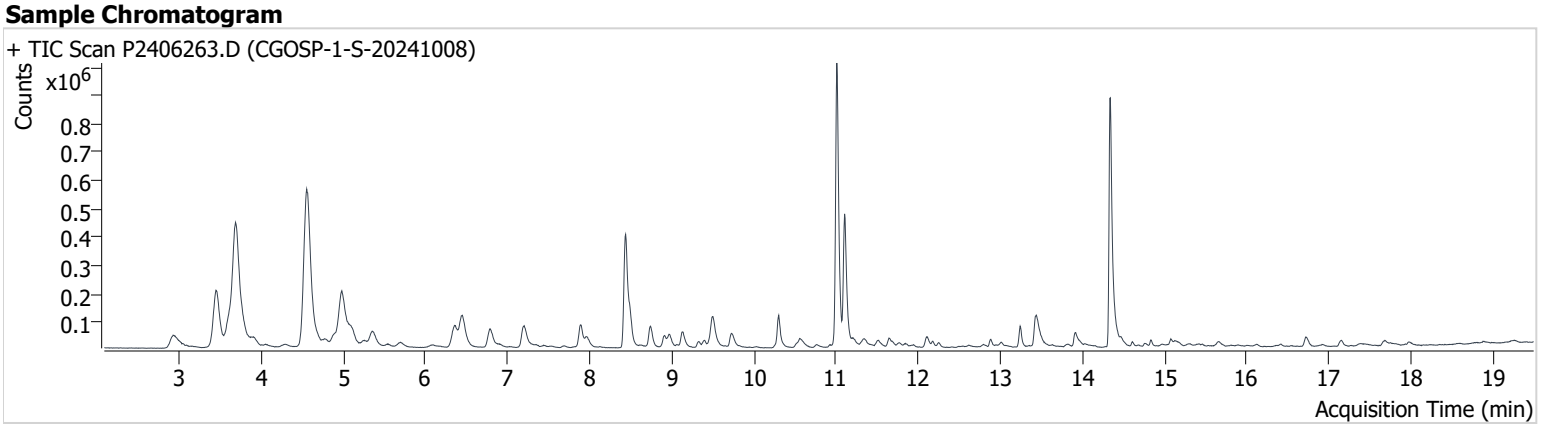
o-Xylene


+ EIC (91.1) Scan P2406262.D
Counts
x10^2
6
5
4
3
2
1
13.917 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.893-13.922 min, 4 scans) P2406262.D
Lib Match Score=39.5
Counts
x10^3
1
0.5
0
-0.5
-1
-1.5
41.0
51.1
68.1
77.0
91.0
106.1
120.2
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

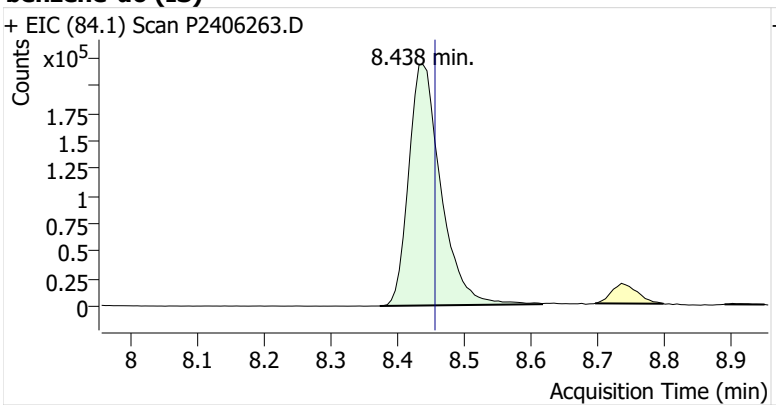
Name	CGOSP-1-S-20241008
Comment	C32946
Data File	P2406263.D
Acq. Date-Time	10/28/2024 4:21:59 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

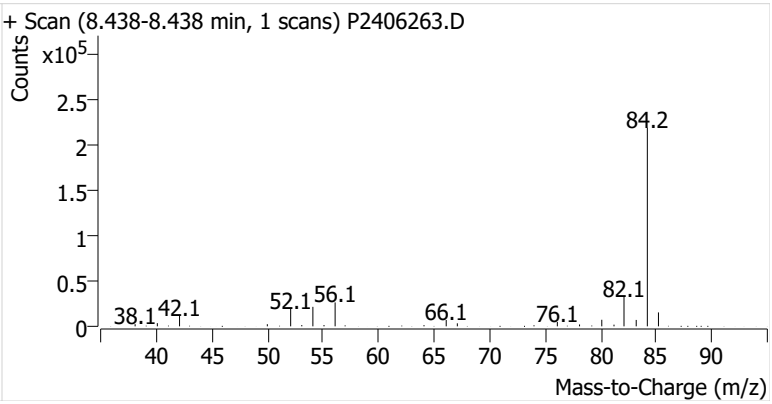
Sample Chromatogram



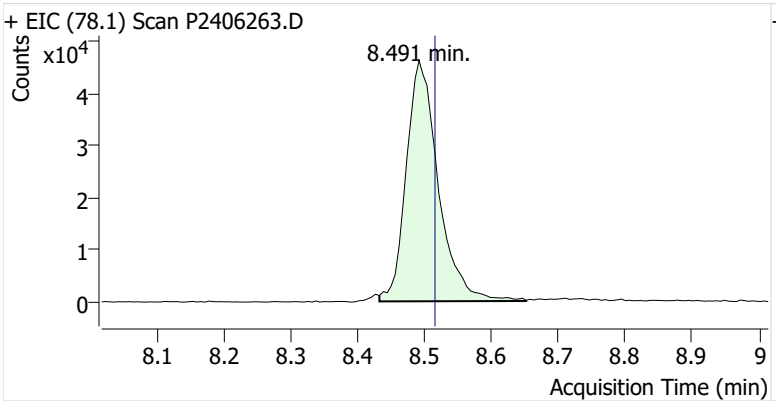
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.438	8.456	734,851	
Benzene	benzene-d6 (IS)	8.491	8.515	153,264	
Toluene-d8 (IS)		11.008	11.032	1,075,128	
Toluene	Toluene-d8 (IS)	11.103	11.121	496,867	
Ethylbenzene	Toluene-d8 (IS)	13.240	13.252	82,058	
m-/p-Xylene	Toluene-d8 (IS)	13.436	13.459	194,327	
o-Xylene	Toluene-d8 (IS)	13.916	13.922	73,982	

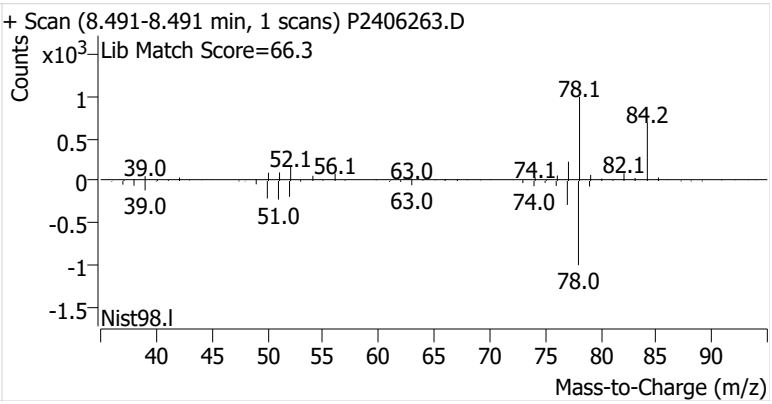
benzene-d6 (IS)



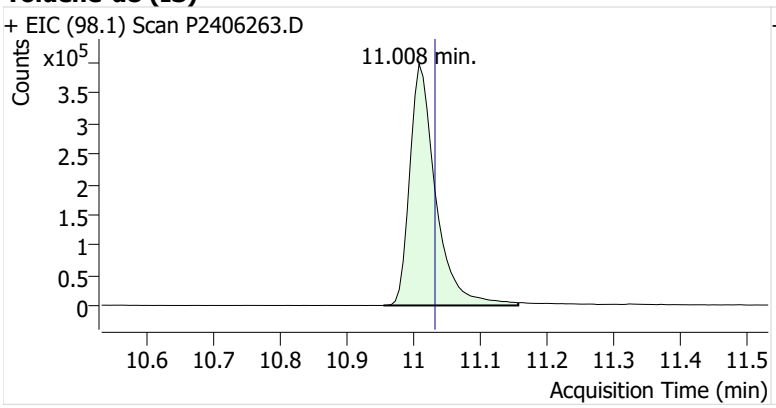


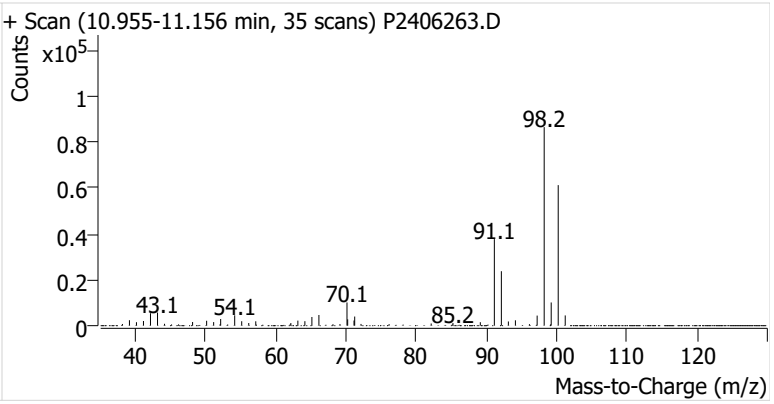
Benzene



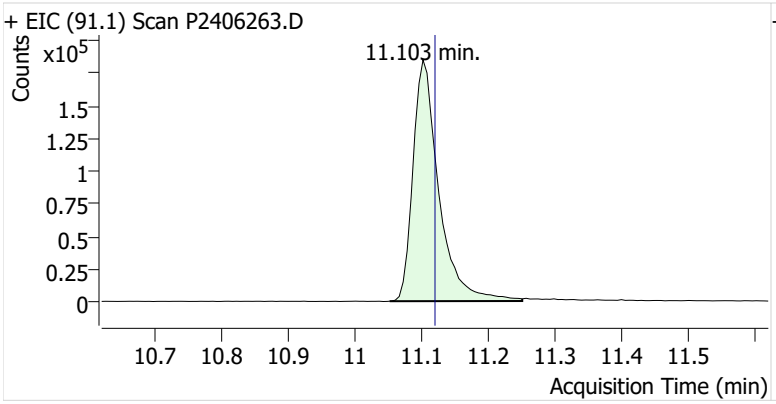


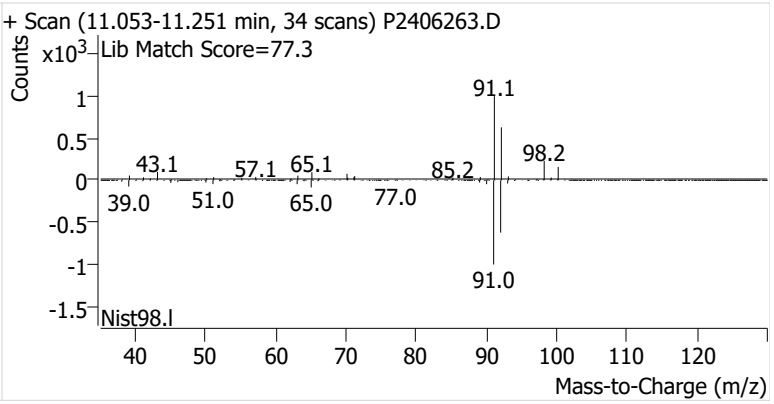
Toluene-d8 (IS)



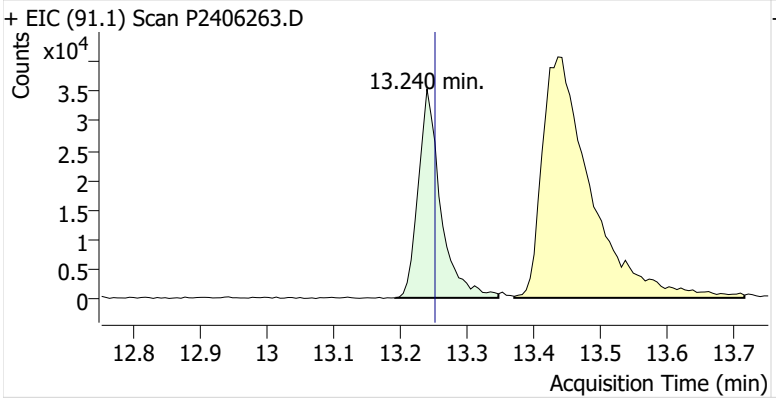


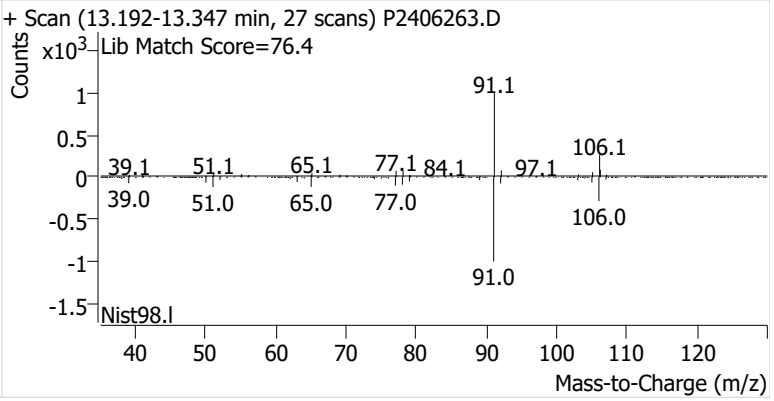
Toluene



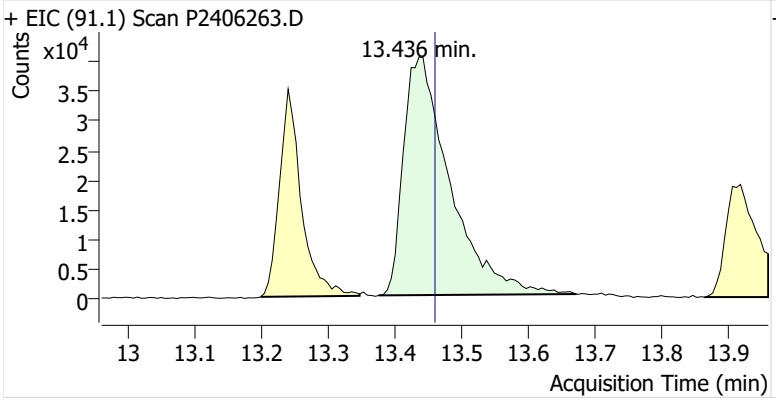


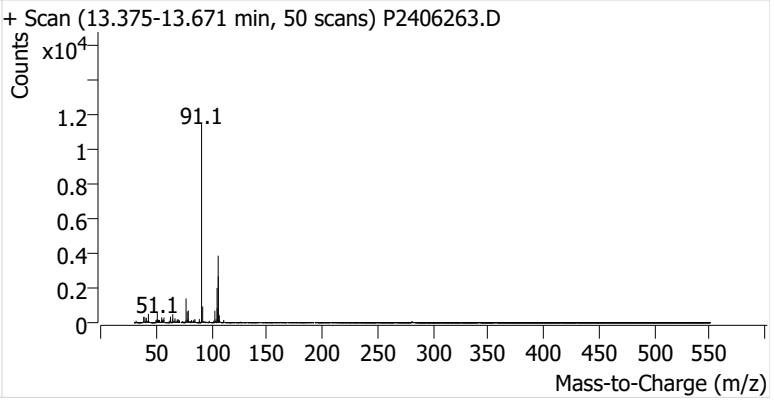
Ethylbenzene



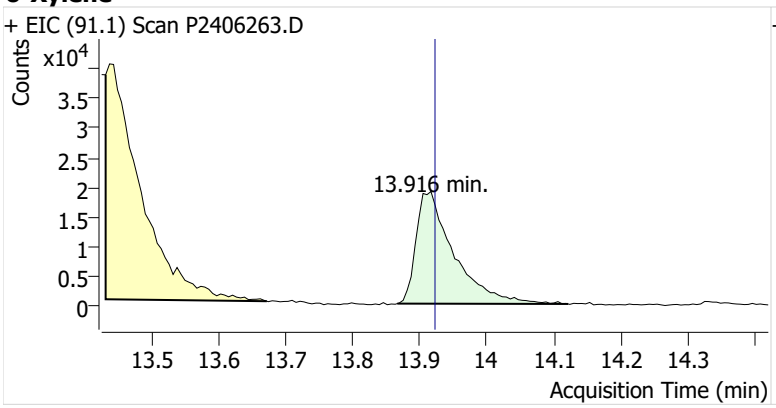


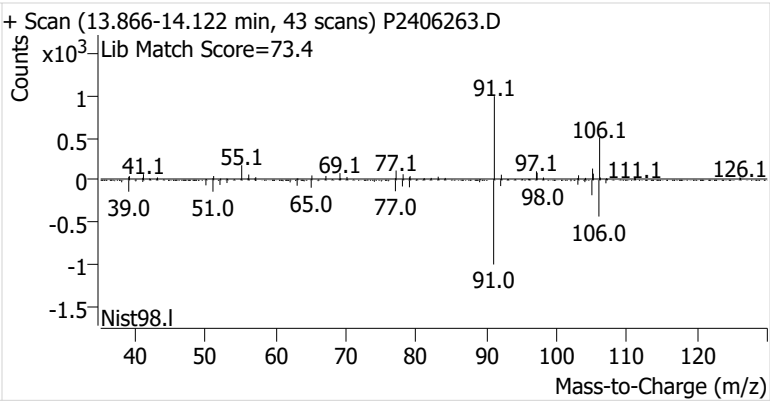
m-/p-Xylene





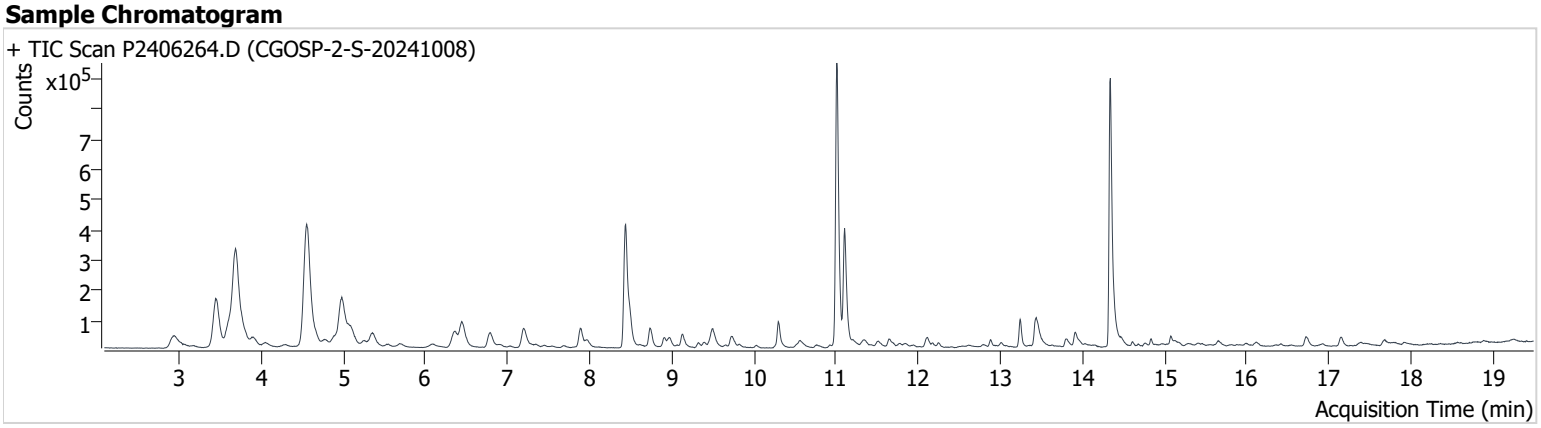
o-Xylene


+ EIC (91.1) Scan P2406263.D
Counts
x10^4
3.5
3
2.5
2
1.5
1
0.5
0
13.916 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.866-14.122 min, 43 scans) P2406263.D
Counts
x10^3
Lib Match Score=73.4
1
0.5
0
-0.5
-1
-1.5
91.1
106.1
41.1
55.1
69.1
77.1
97.1
111.1
126.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

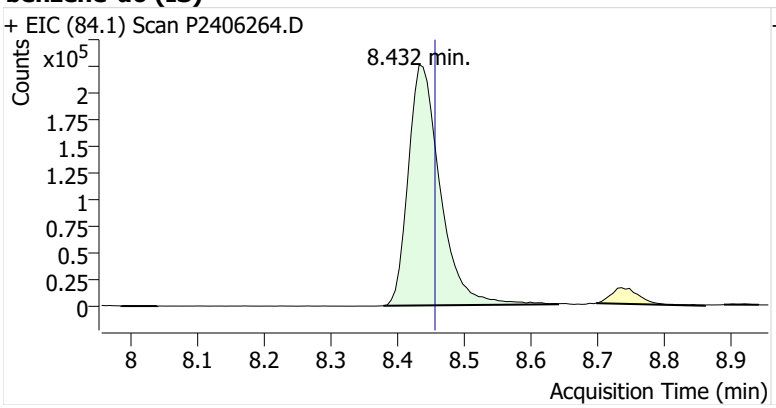
Name	CGOSP-2-S-20241008
Comment	B35687
Data File	P2406264.D
Acq. Date-Time	10/28/2024 4:59:18 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

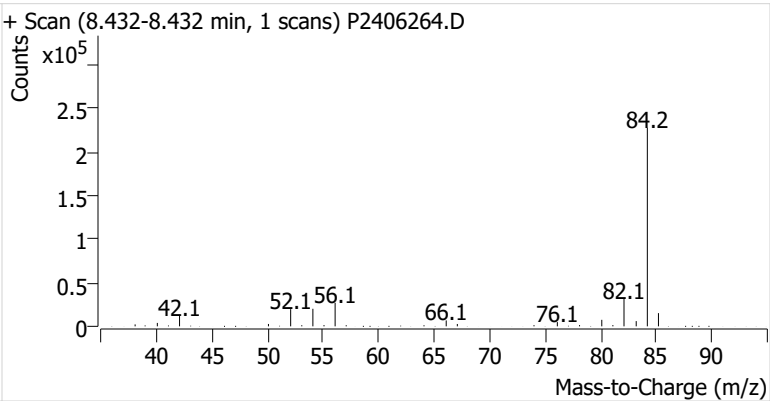
Sample Chromatogram



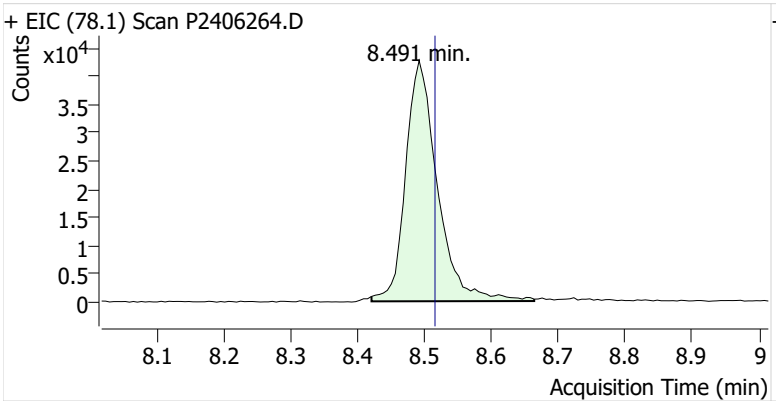
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.432	8.456	752,387	
Benzene	benzene-d6 (IS)	8.491	8.515	140,625	
Toluene-d8 (IS)		11.008	11.032	1,036,194	
Toluene	Toluene-d8 (IS)	11.103	11.121	429,971	
Ethylbenzene	Toluene-d8 (IS)	13.240	13.252	99,785	
m-/p-Xylene	Toluene-d8 (IS)	13.430	13.459	164,312	
o-Xylene	Toluene-d8 (IS)	13.910	13.922	65,293	

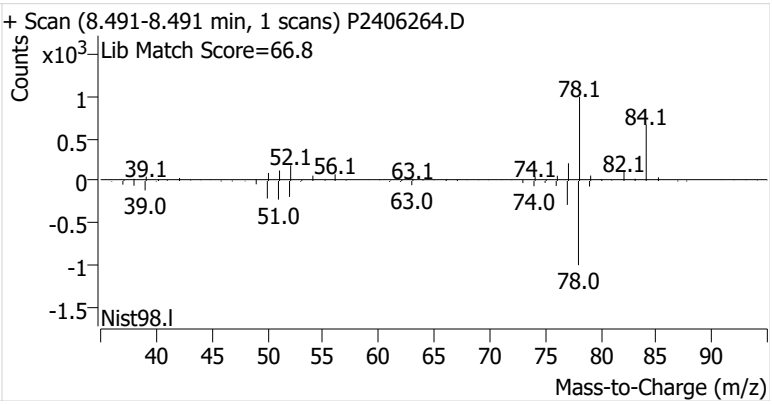
benzene-d6 (IS)



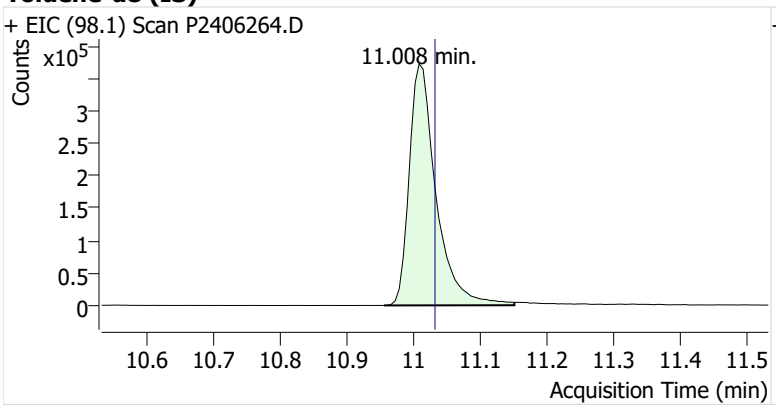


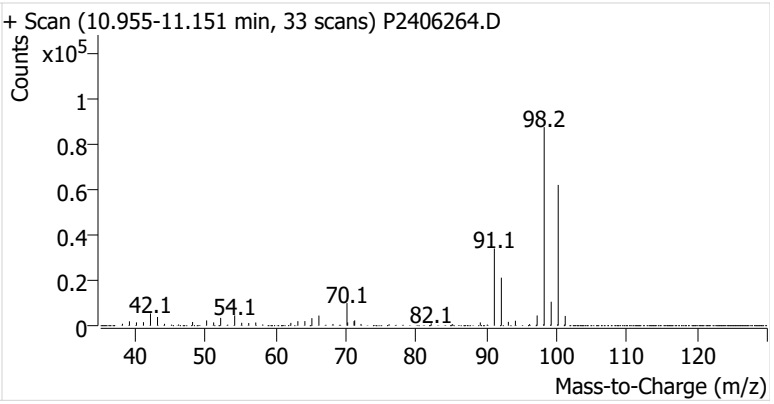
Benzene



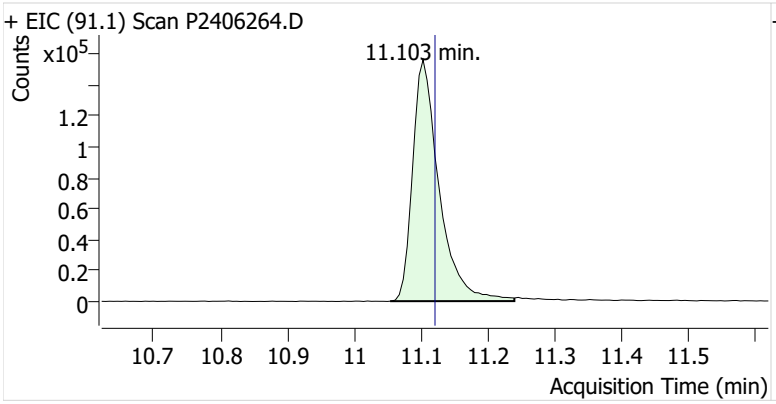


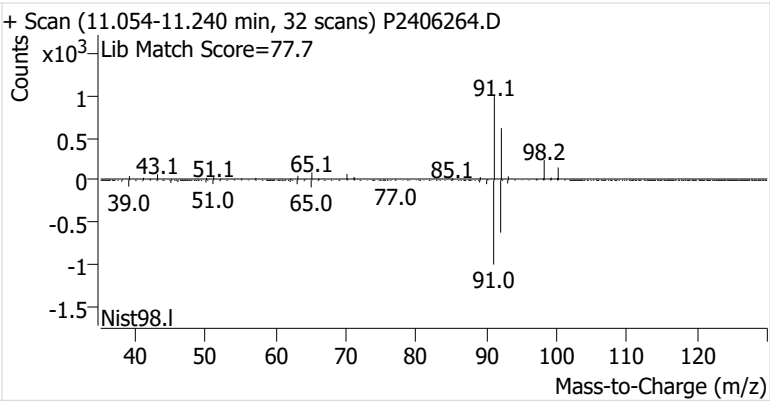
Toluene-d8 (IS)



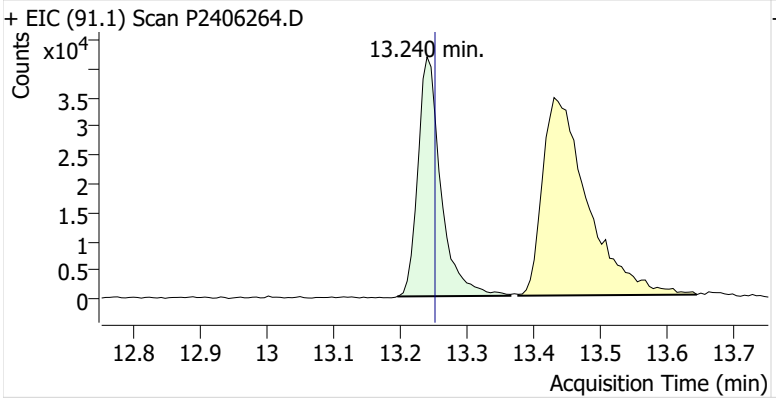


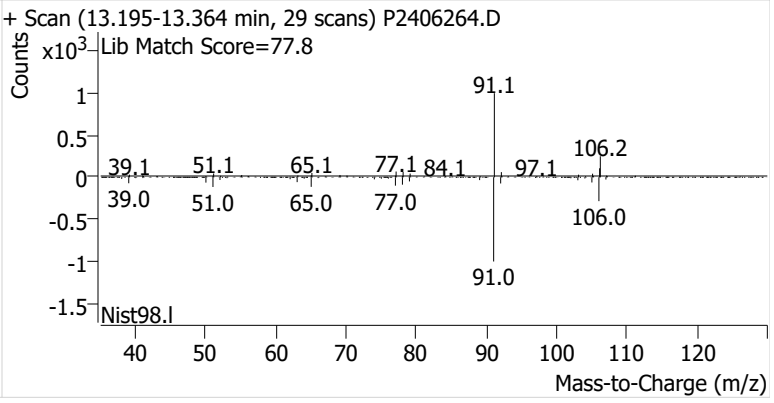
Toluene



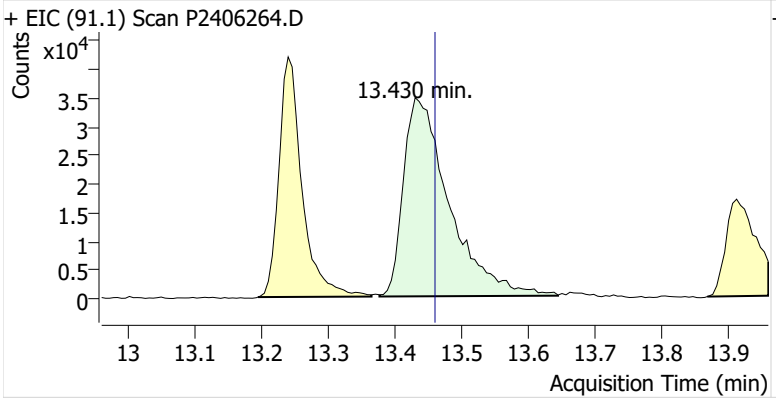


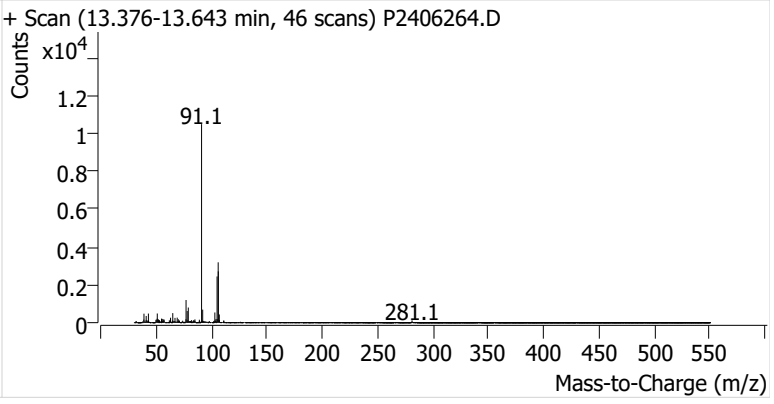
Ethylbenzene



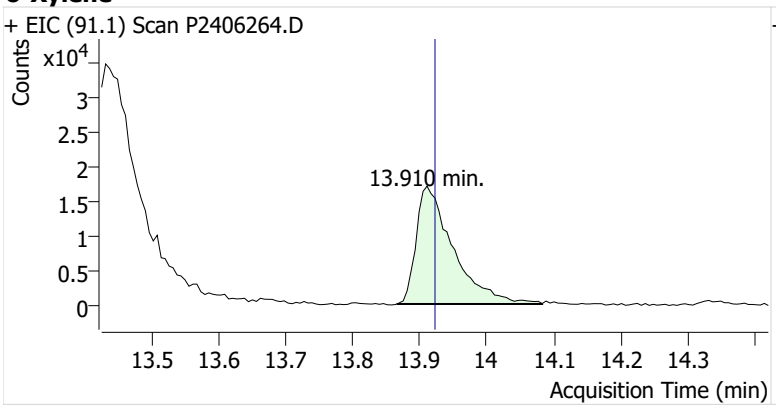


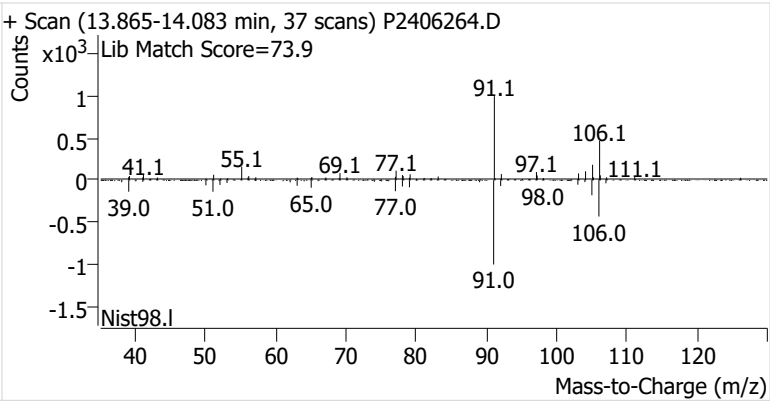
m-/p-Xylene





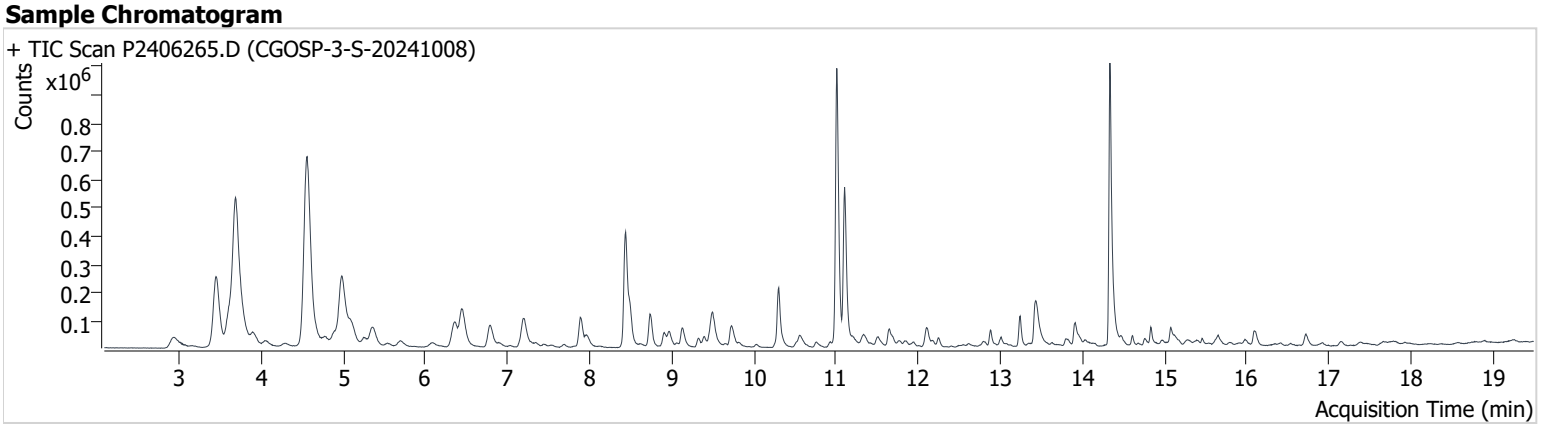
o-Xylene


+ EIC (91.1) Scan P2406264.D
Counts
x10^4
3
2.5
2
1.5
1
0.5
0
13.910 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.865-14.083 min, 37 scans) P2406264.D
Counts
x10^3
Lib Match Score=73.9
1
0.5
0
-0.5
-1
-1.5
91.1
106.1
41.1
55.1
69.1
77.1
97.1
111.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

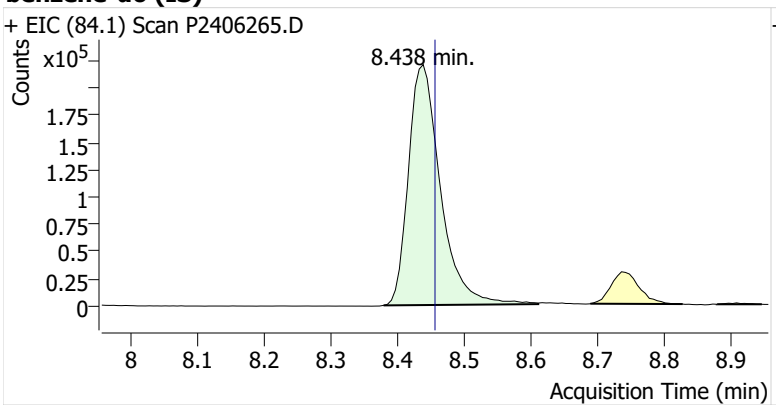
Name	CGOSP-3-S-20241008
Comment	B35553
Data File	P2406265.D
Acq. Date-Time	10/28/2024 5:36:35 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

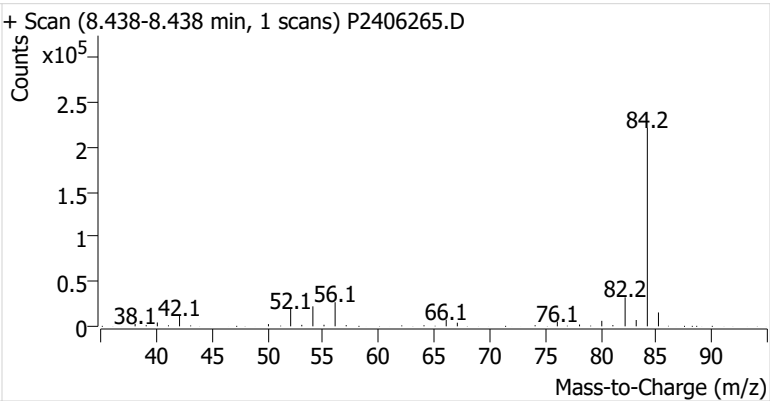
Sample Chromatogram



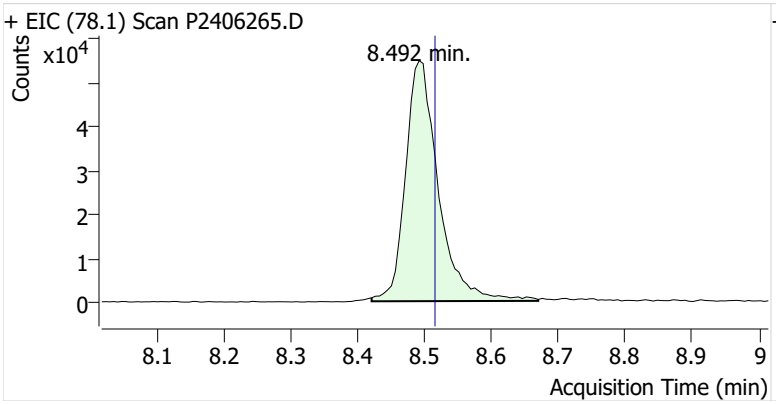
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.438	8.456	733,059	
Benzene	benzene-d6 (IS)	8.492	8.515	187,203	
Toluene-d8 (IS)		11.008	11.032	1,060,699	
Toluene	Toluene-d8 (IS)	11.103	11.121	619,886	
Ethylbenzene	Toluene-d8 (IS)	13.240	13.252	116,097	
m-/p-Xylene	Toluene-d8 (IS)	13.430	13.459	270,450	
o-Xylene	Toluene-d8 (IS)	13.911	13.922	109,820	

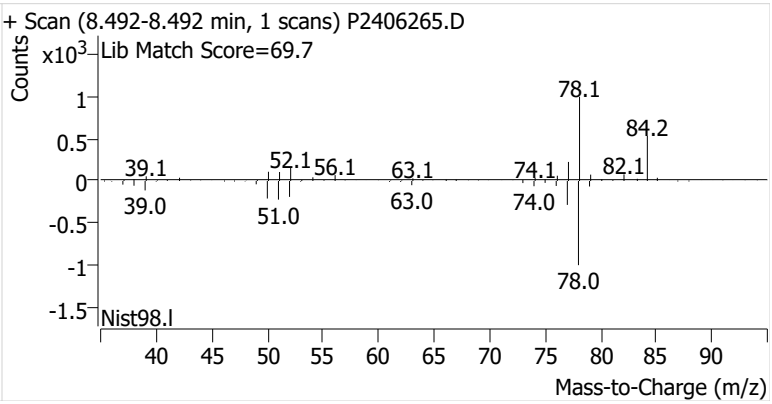
benzene-d6 (IS)



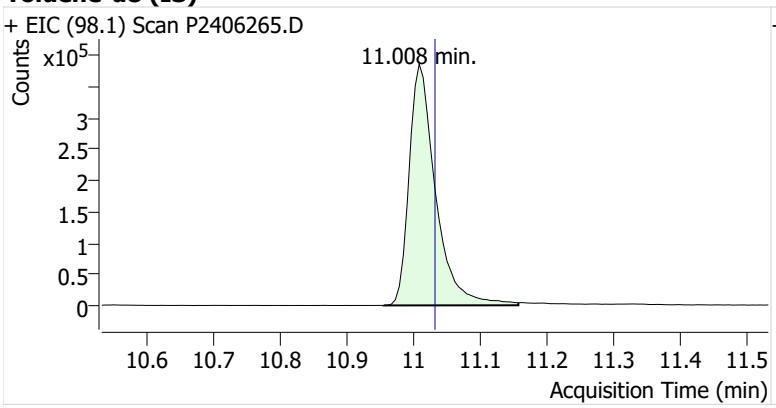


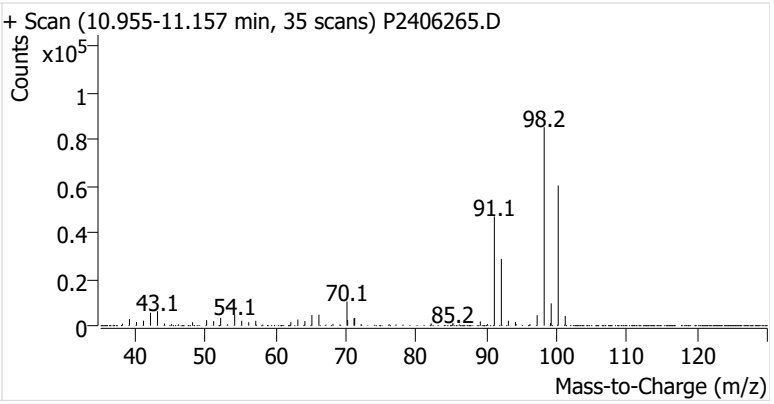
Benzene



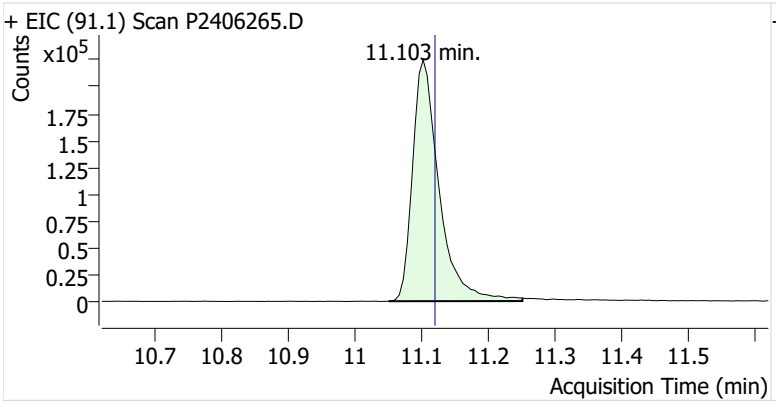


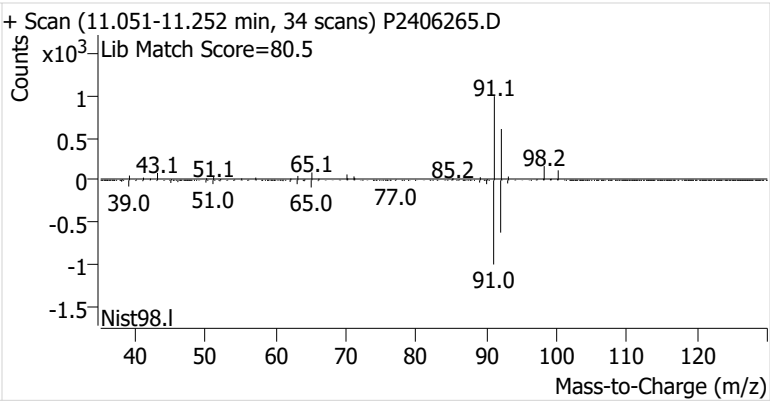
Toluene-d8 (IS)



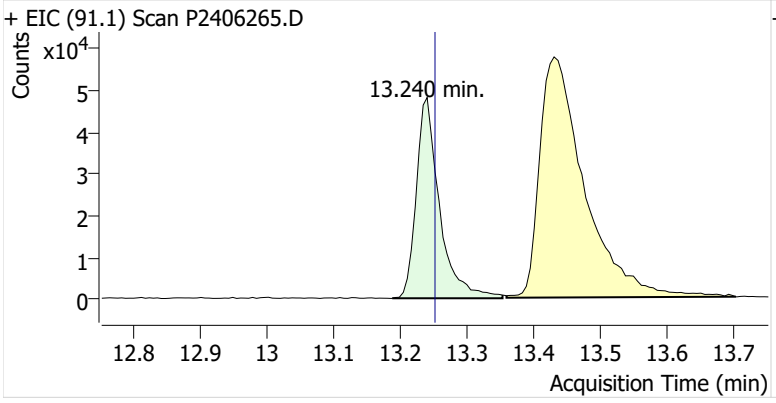


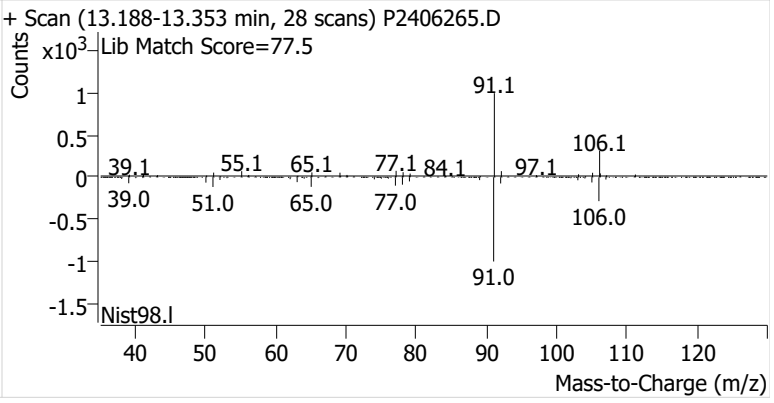
Toluene



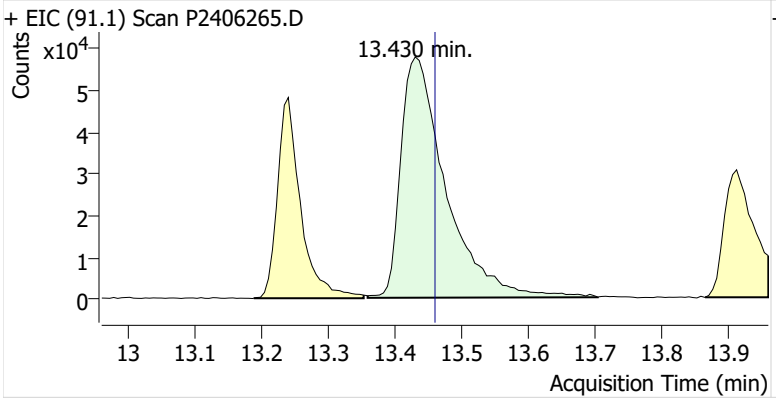


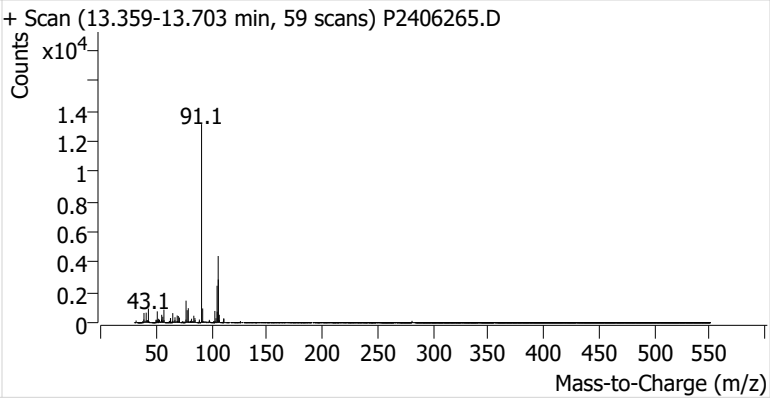
Ethylbenzene



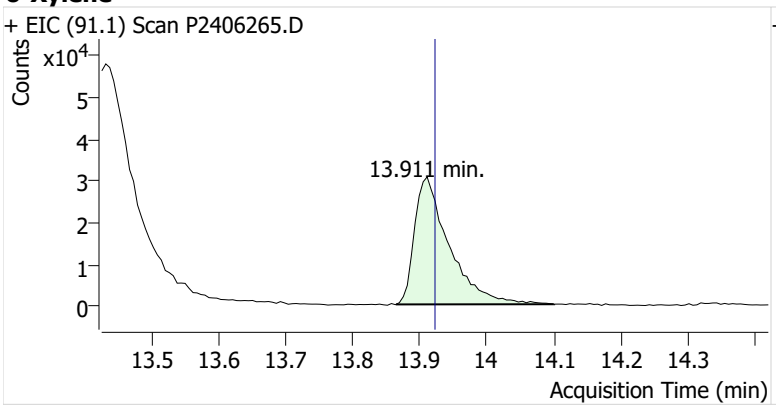


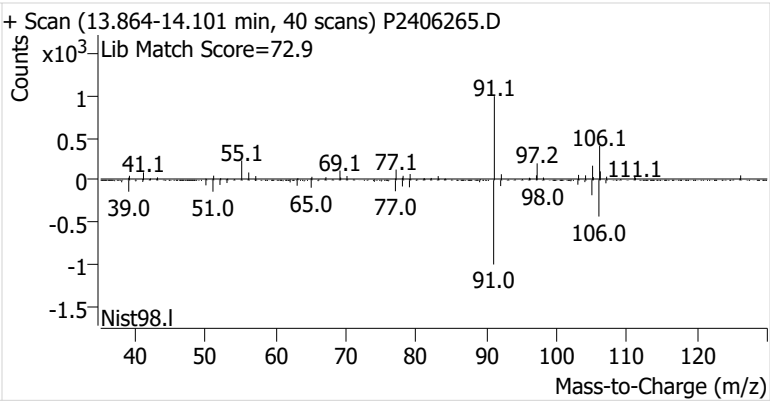
m-/p-Xylene





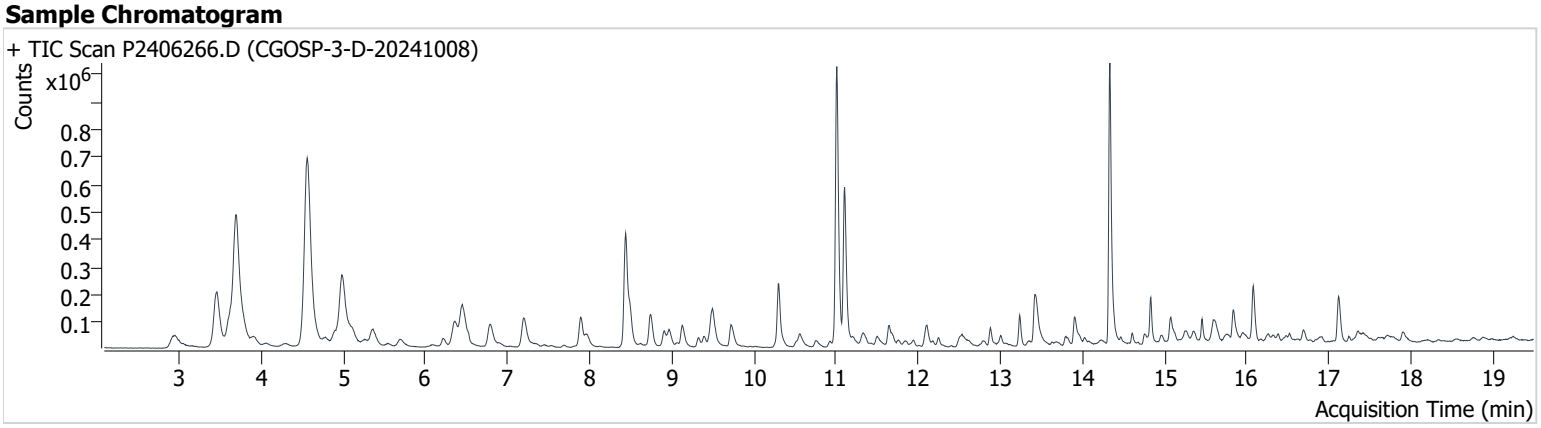
o-Xylene


+ EIC (91.1) Scan P2406265.D
Counts
x10^4
13.911 min.
Acquisition Time (min)


+ Scan (13.864-14.101 min, 40 scans) P2406265.D
Counts
x10^3
Lib Match Score=72.9
91.1
106.1
41.1
55.1
69.1
77.1
97.2
111.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
Mass-to-Charge (m/z)

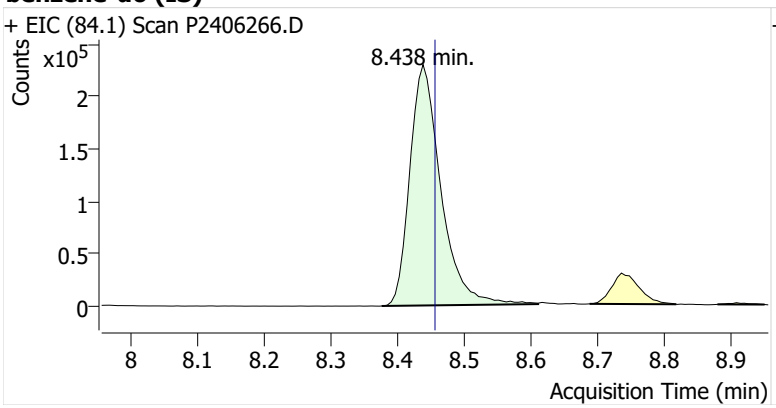
Name	CGOSP-3-D-20241008
Comment	C53646
Data File	P2406266.D
Acq. Date-Time	10/28/2024 6:14:01 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

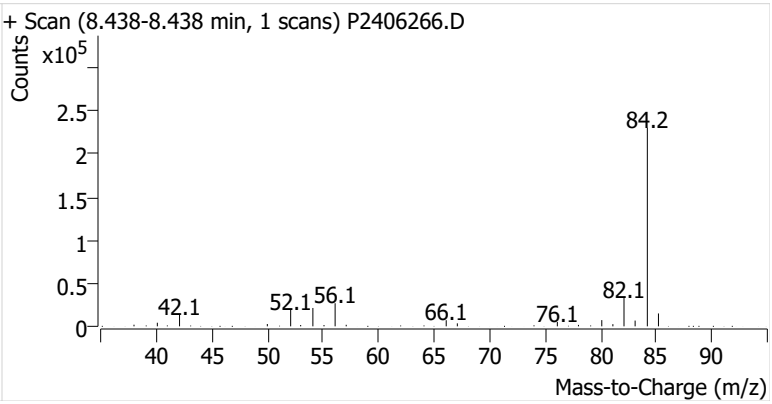
Sample Chromatogram



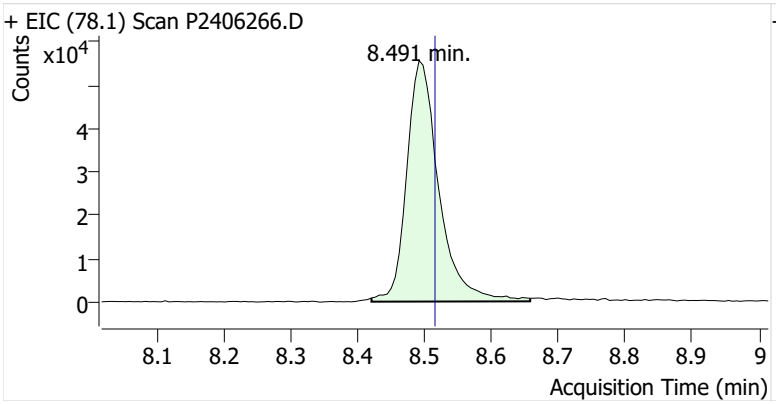
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.438	8.456	740,308	
Benzene	benzene-d6 (IS)	8.491	8.515	185,856	
Toluene-d8 (IS)		11.008	11.032	1,072,677	
Toluene	Toluene-d8 (IS)	11.103	11.121	608,201	
Ethylbenzene	Toluene-d8 (IS)	13.234	13.252	108,852	
m-/p-Xylene	Toluene-d8 (IS)	13.418	13.459	278,254	
o-Xylene	Toluene-d8 (IS)	13.899	13.922	113,392	

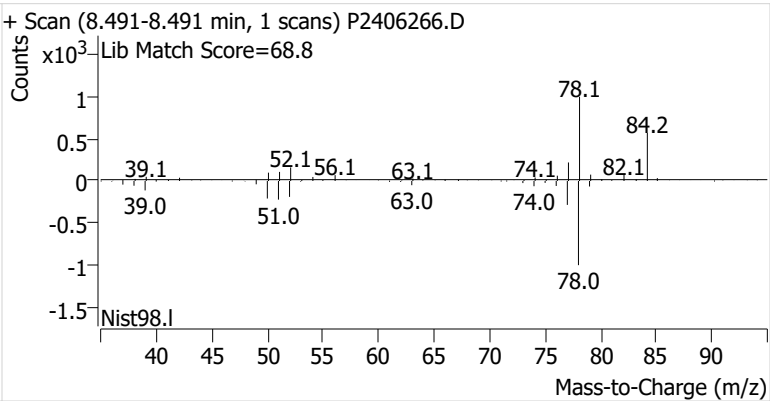
benzene-d6 (IS)



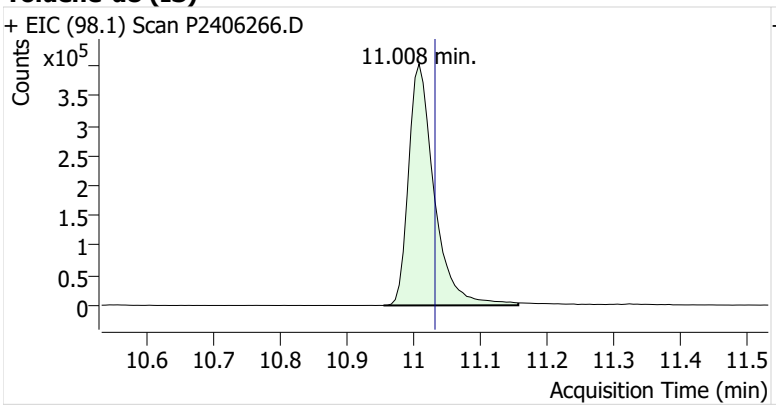


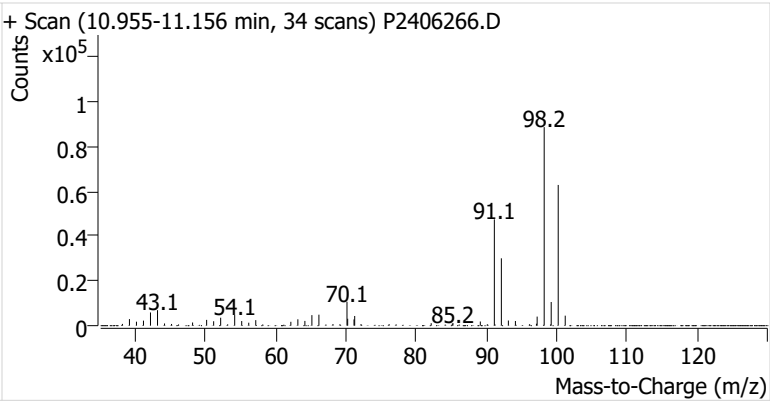
Benzene



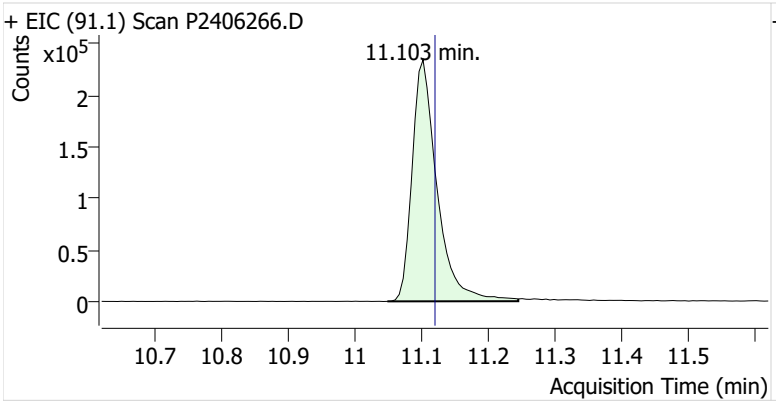


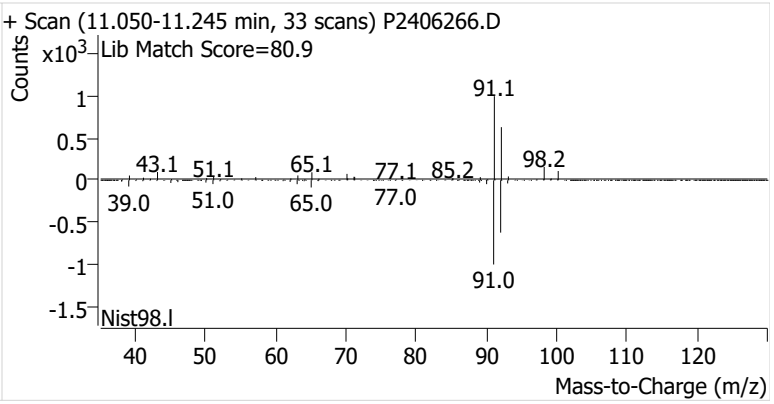
Toluene-d8 (IS)



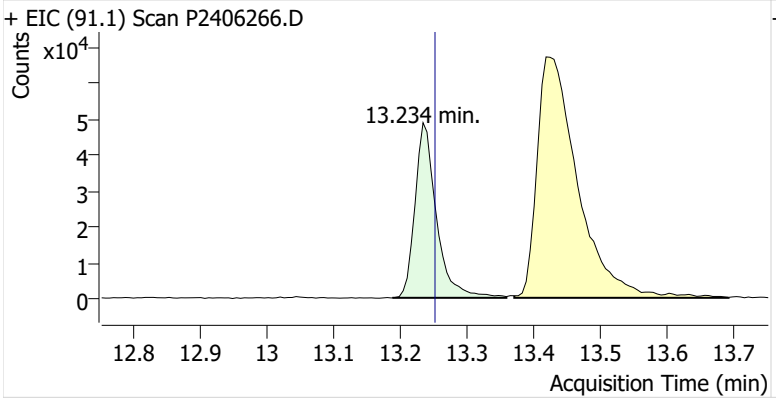


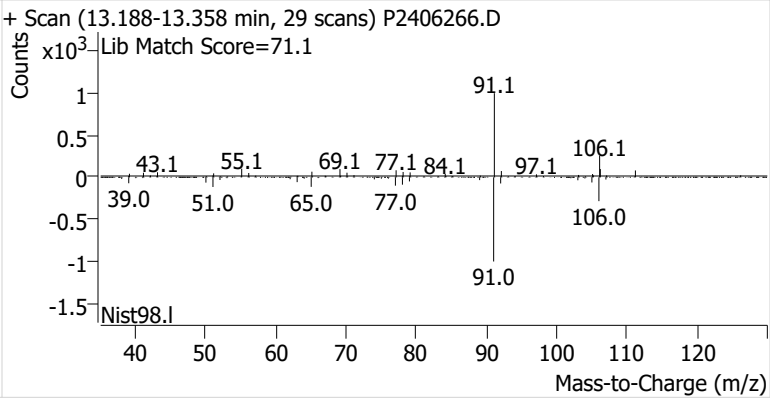
Toluene



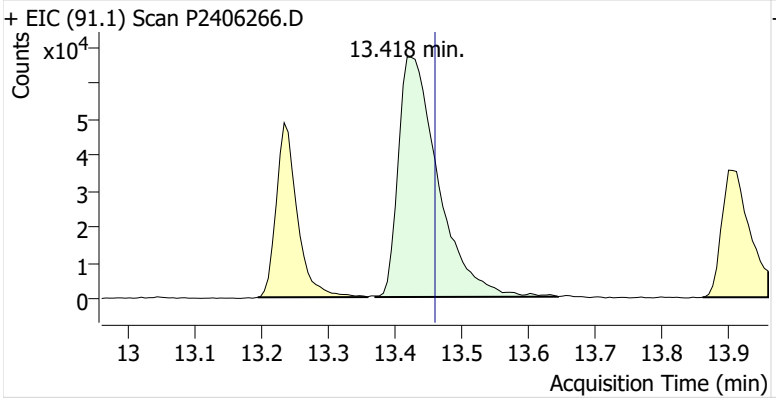


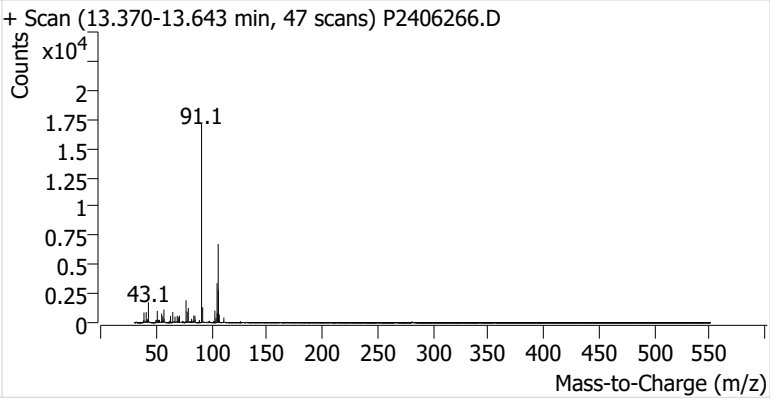
Ethylbenzene



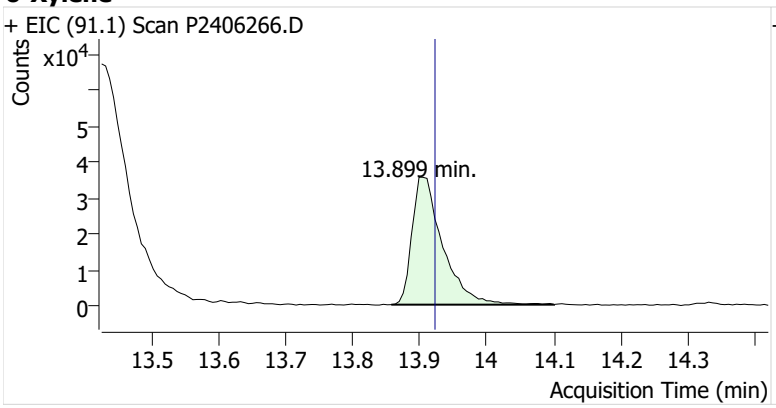


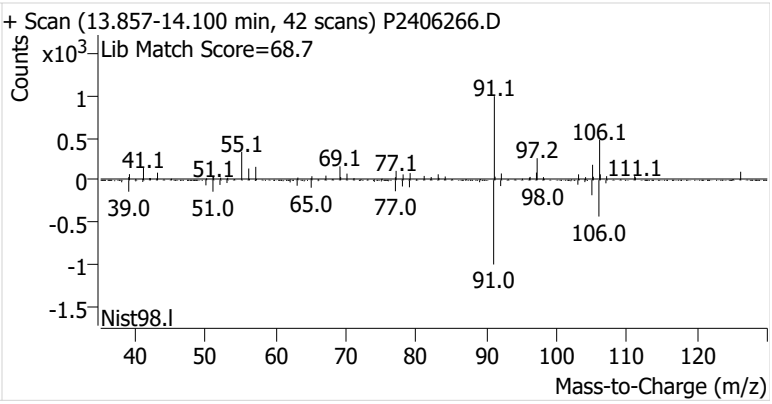
m-/p-Xylene





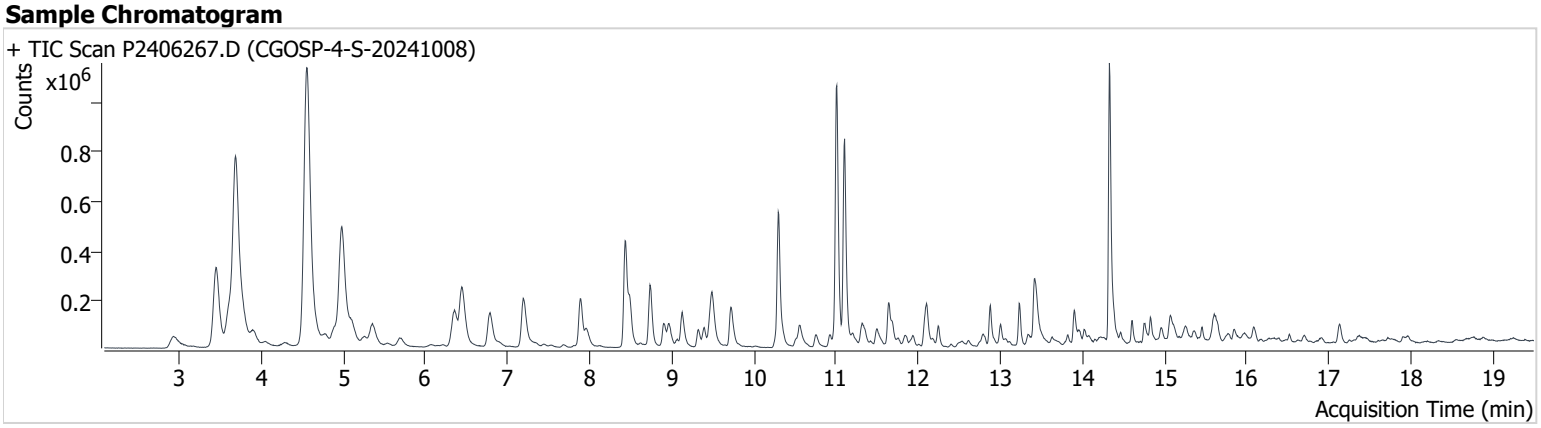
o-Xylene


+ EIC (91.1) Scan P2406266.D
Counts
x10^4
13.899 min.
Acquisition Time (min)


+ Scan (13.857-14.100 min, 42 scans) P2406266.D
Counts
x10^3
Lib Match Score=68.7
91.1
106.1
97.2
41.1
55.1
51.1
69.1
77.1
111.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
Nist98.l
Mass-to-Charge (m/z)

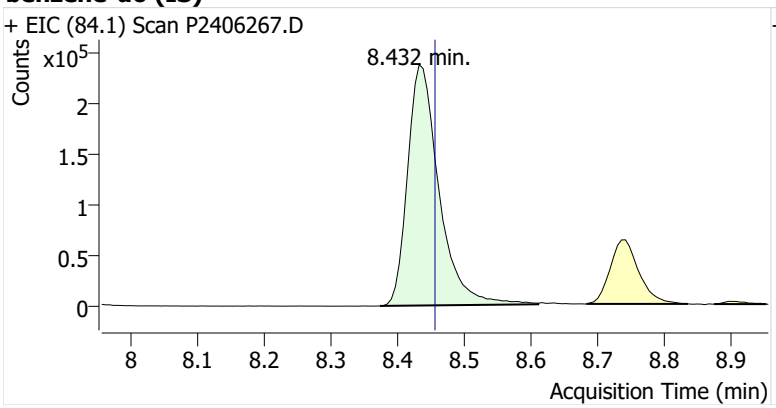
Name	CGOSP-4-S-20241008
Comment	C43885
Data File	P2406267.D
Acq. Date-Time	10/28/2024 6:51:18 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

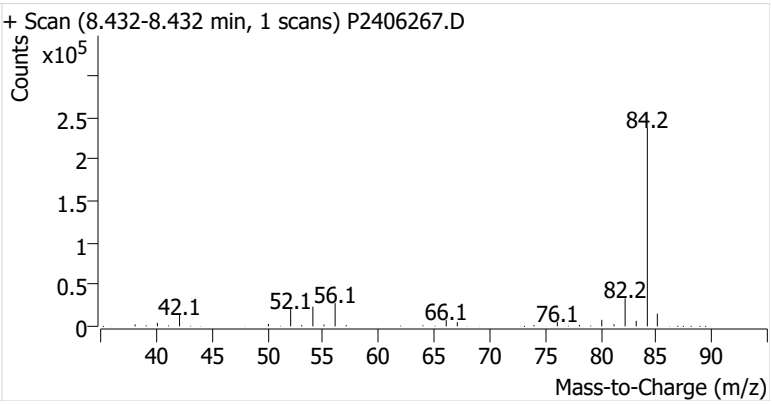
Sample Chromatogram



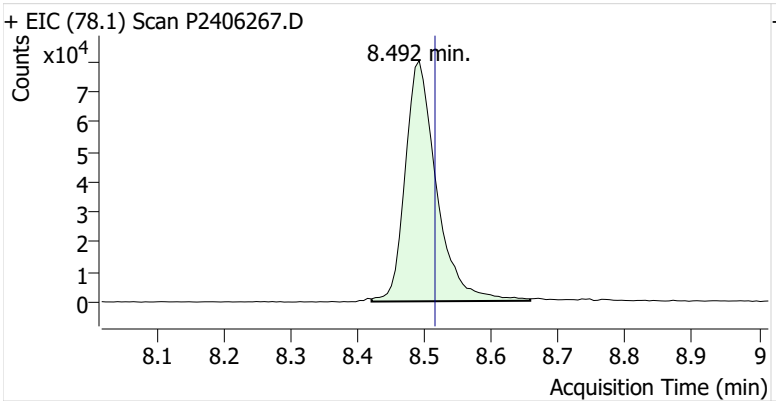
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.432	8.456	775,042	
Benzene	benzene-d6 (IS)	8.492	8.515	260,833	
Toluene-d8 (IS)		11.008	11.032	1,086,768	
Toluene	Toluene-d8 (IS)	11.103	11.121	858,444	
Ethylbenzene	Toluene-d8 (IS)	13.234	13.252	158,664	
m-/p-Xylene	Toluene-d8 (IS)	13.412	13.459	379,064	
o-Xylene	Toluene-d8 (IS)	13.899	13.922	144,827	

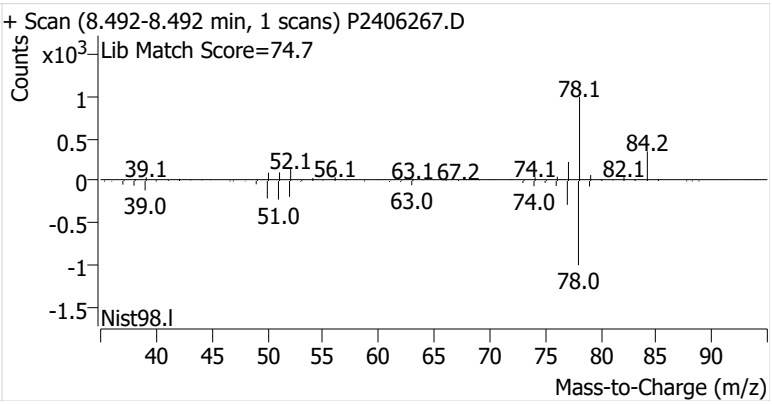
benzene-d6 (IS)



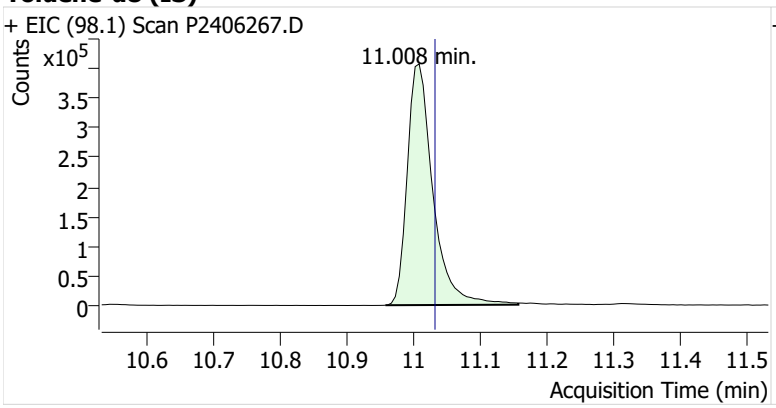


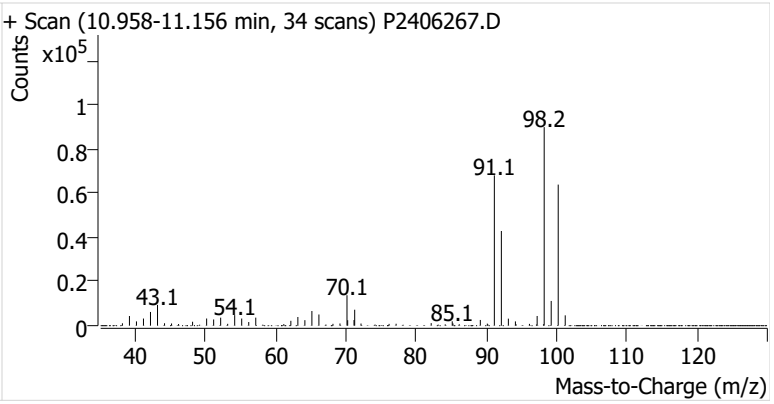
Benzene



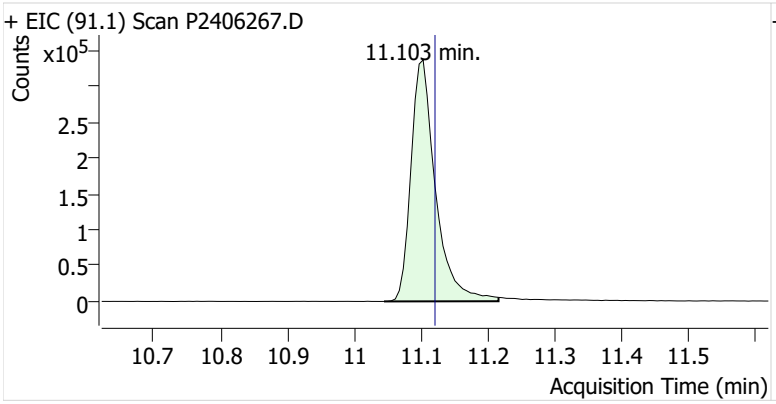


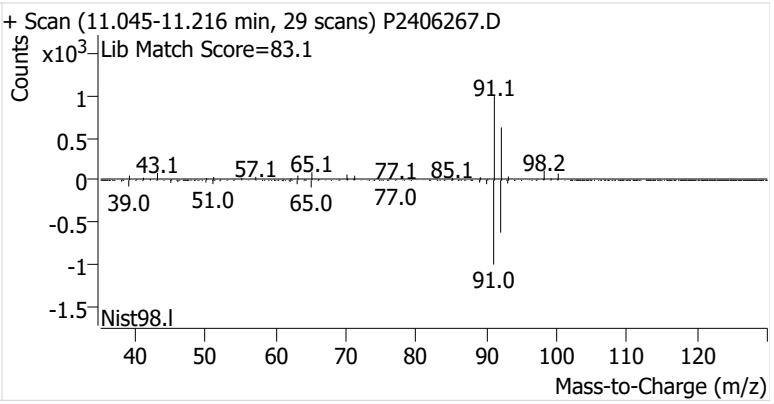
Toluene-d8 (IS)



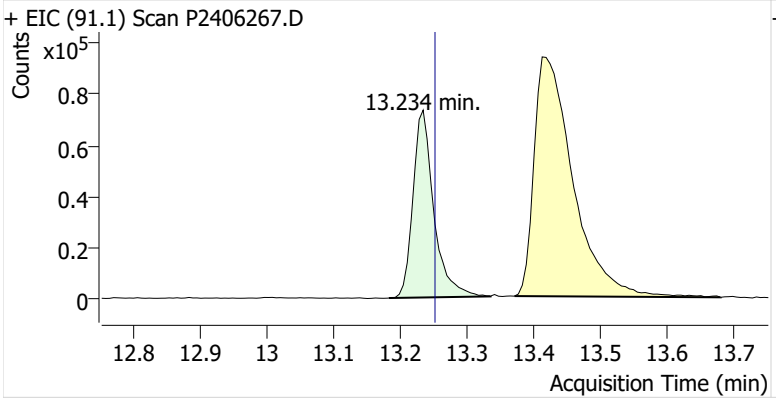


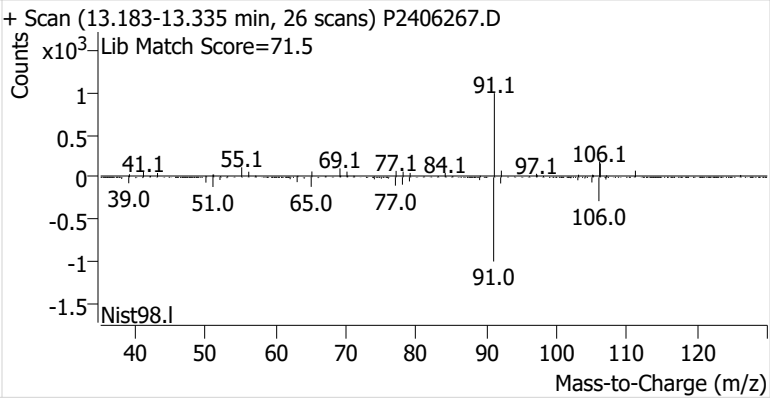
Toluene



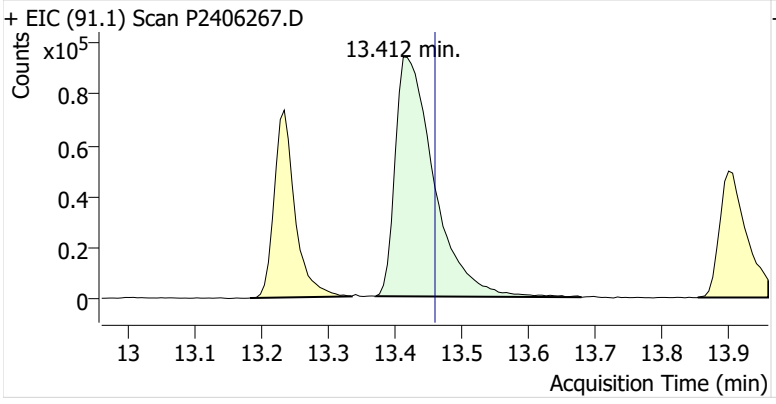


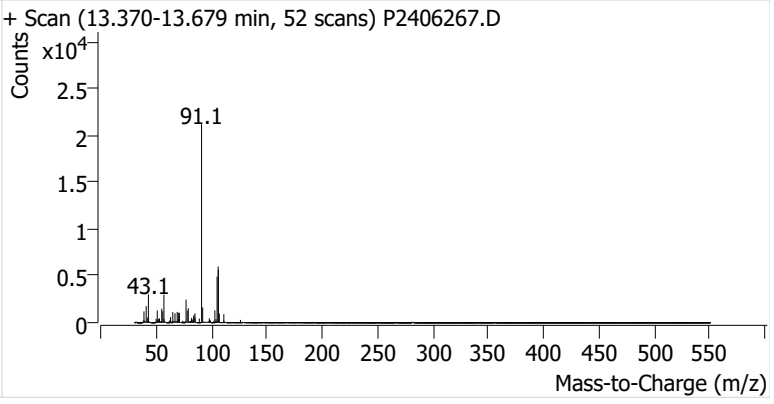
Ethylbenzene



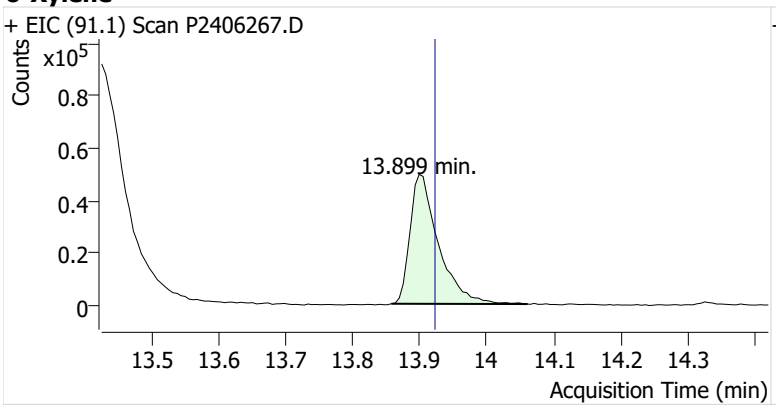


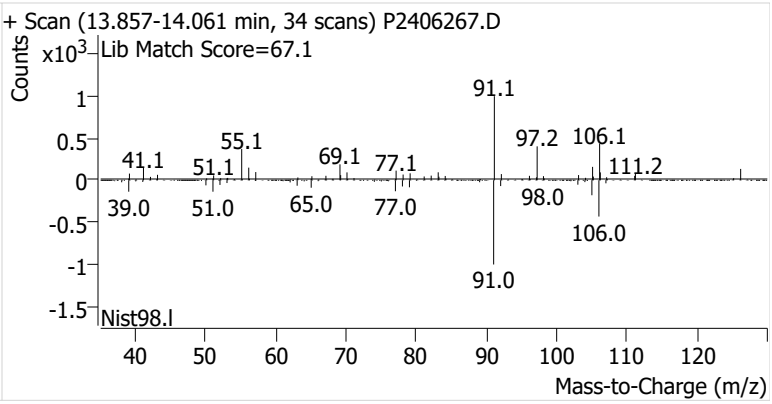
m-/p-Xylene





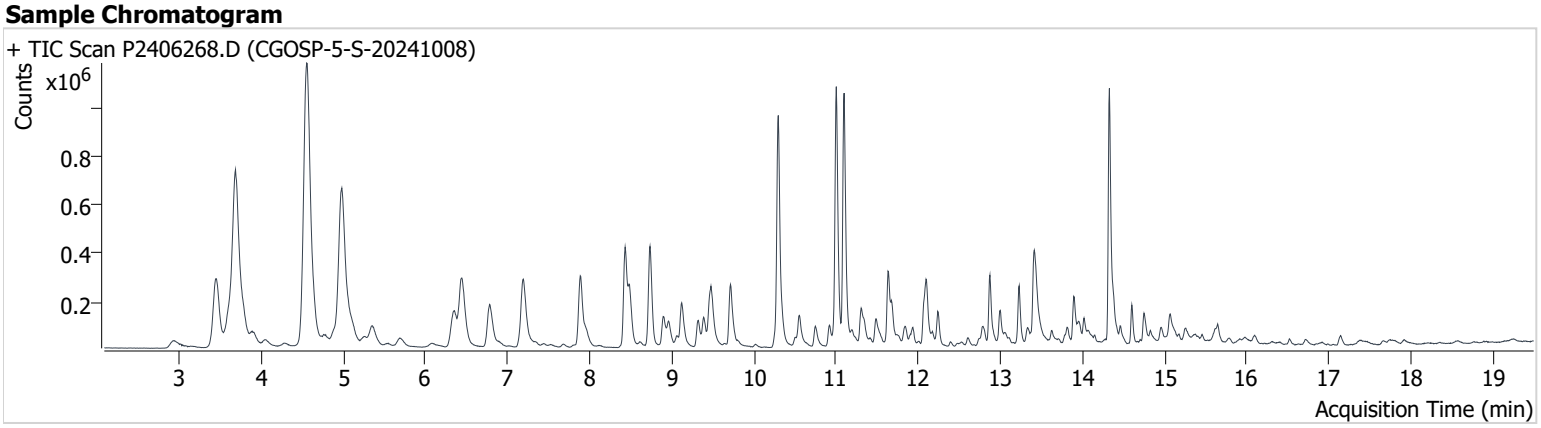
o-Xylene


+ EIC (91.1) Scan P2406267.D
Counts
x10^5
0.8
0.6
0.4
0.2
0
13.899 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.857-14.061 min, 34 scans) P2406267.D
Counts
x10^3
Lib Match Score=67.1
1
0.5
0
-0.5
-1
-1.5
91.1
97.2
106.1
55.1
41.1
51.1
69.1
77.1
111.2
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

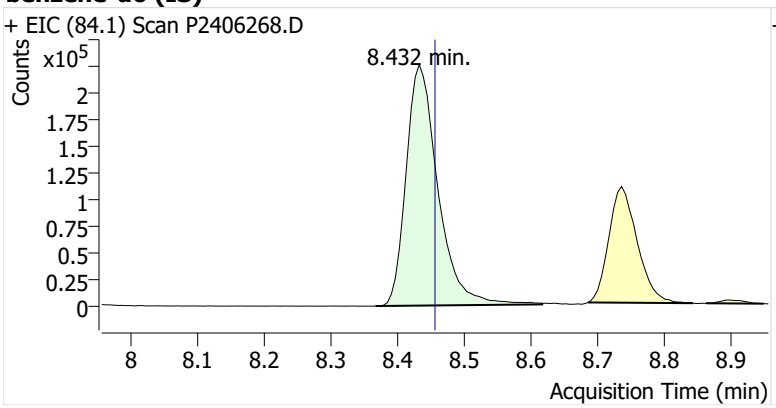
Name	CGOSP-5-S-20241008
Comment	B44190
Data File	P2406268.D
Acq. Date-Time	10/28/2024 7:28:33 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

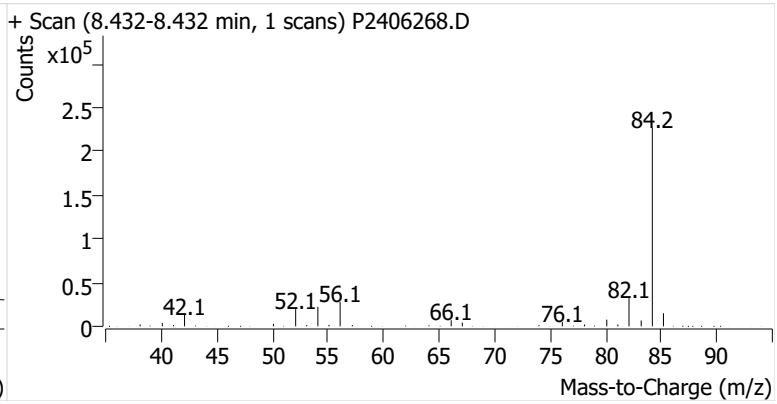
Sample Chromatogram



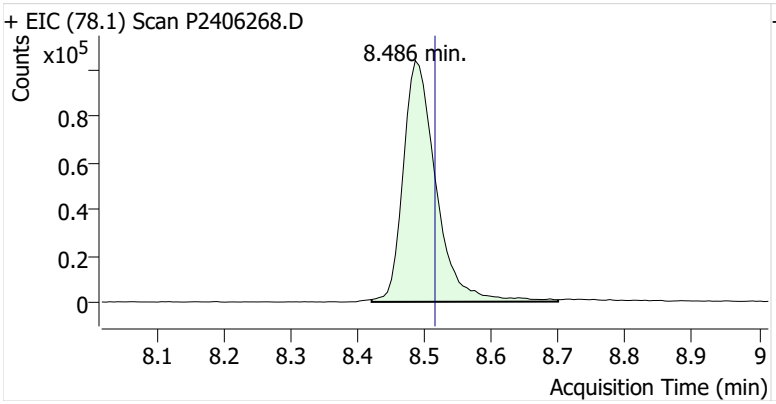
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.432	8.456	746,425	
Benzene	benzene-d6 (IS)	8.486	8.515	355,486	
Toluene-d8 (IS)		11.002	11.032	1,079,254	
Toluene	Toluene-d8 (IS)	11.097	11.121	1,109,208	
Ethylbenzene	Toluene-d8 (IS)	13.228	13.252	235,392	
m-/p-Xylene	Toluene-d8 (IS)	13.412	13.459	507,524	
o-Xylene	Toluene-d8 (IS)	13.899	13.922	213,897	

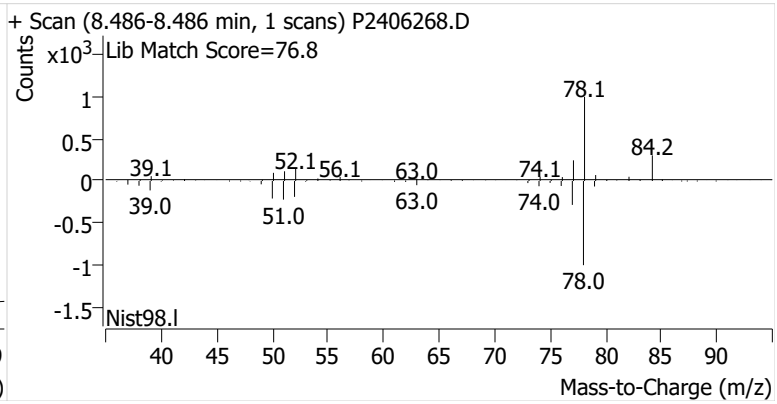
benzene-d6 (IS)



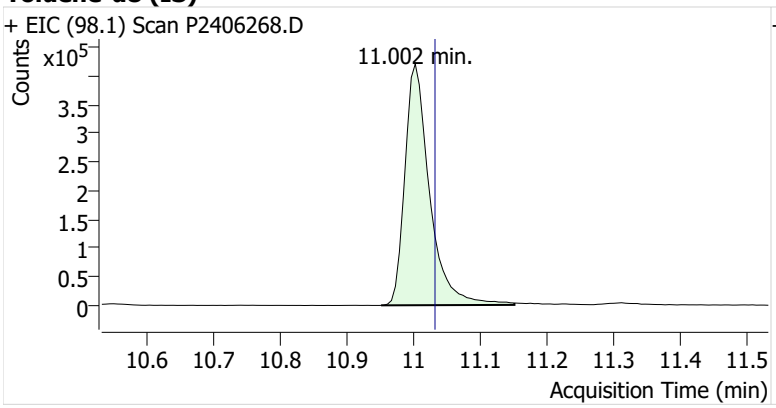


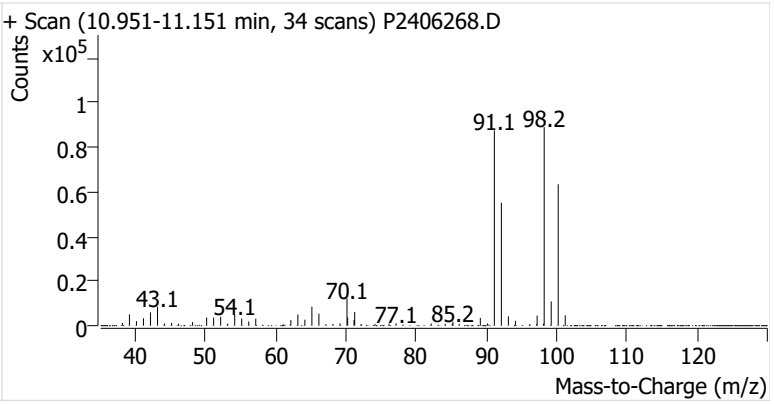
Benzene



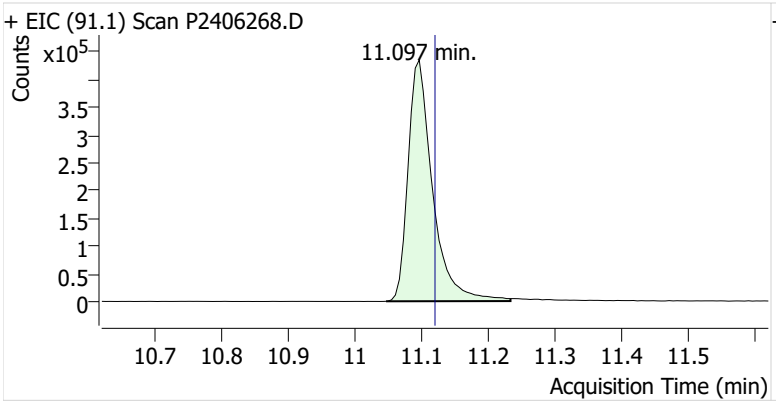


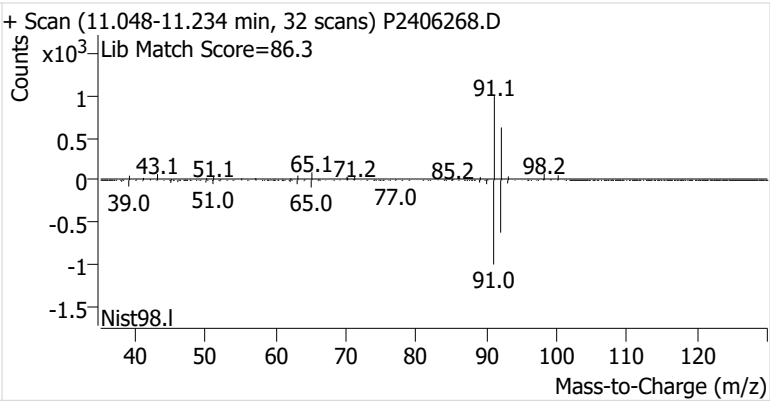
Toluene-d8 (IS)



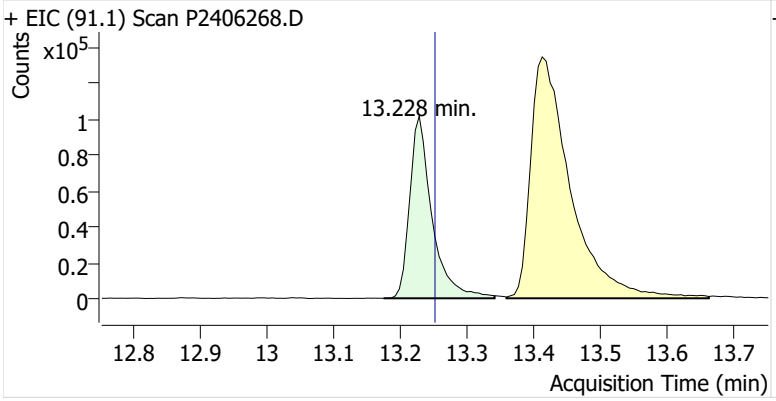


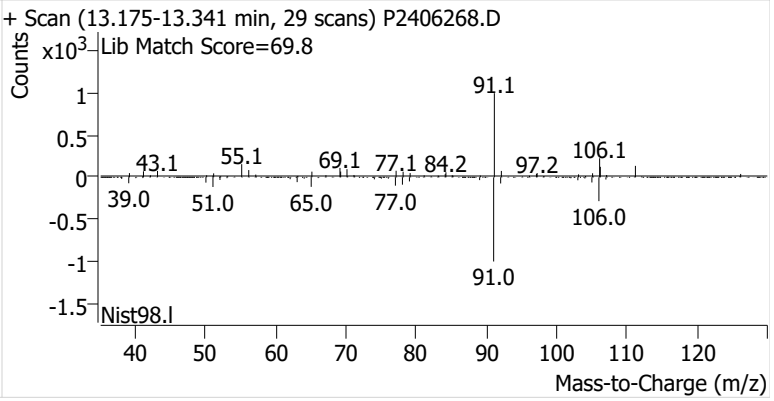
Toluene



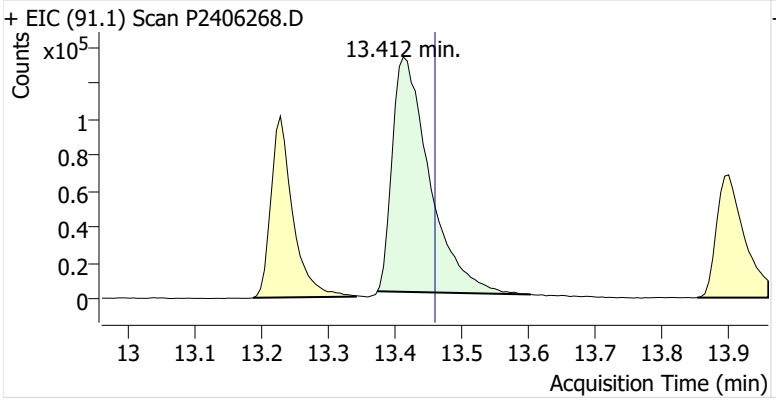


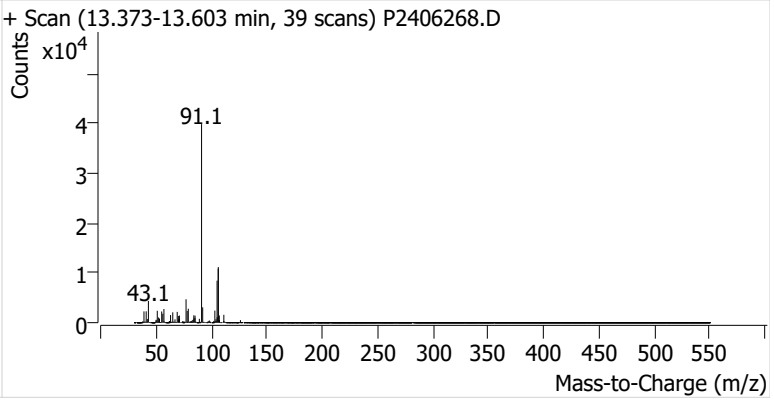
Ethylbenzene



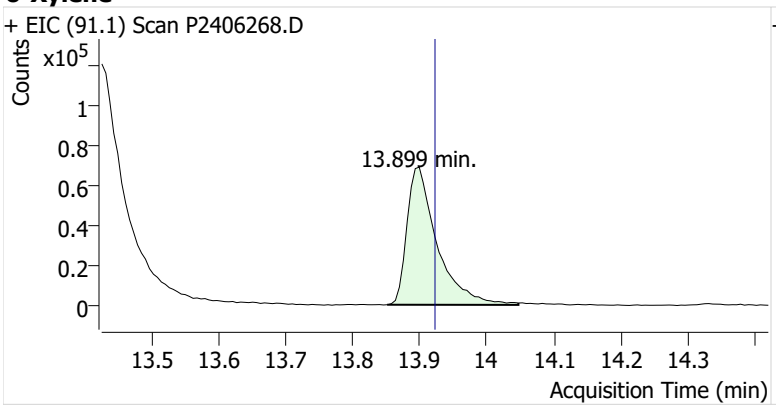


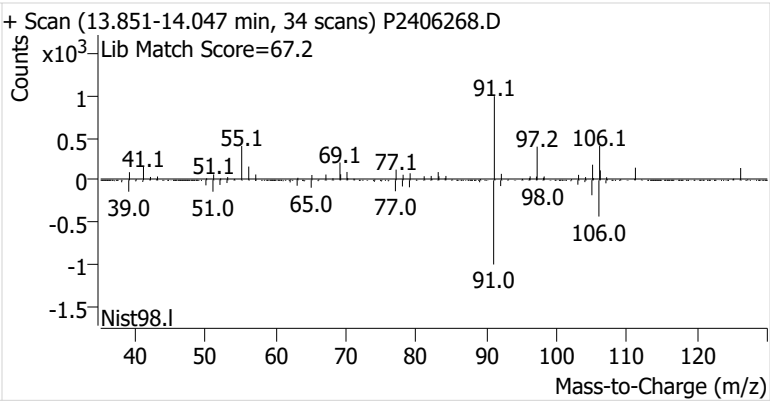
m-/p-Xylene





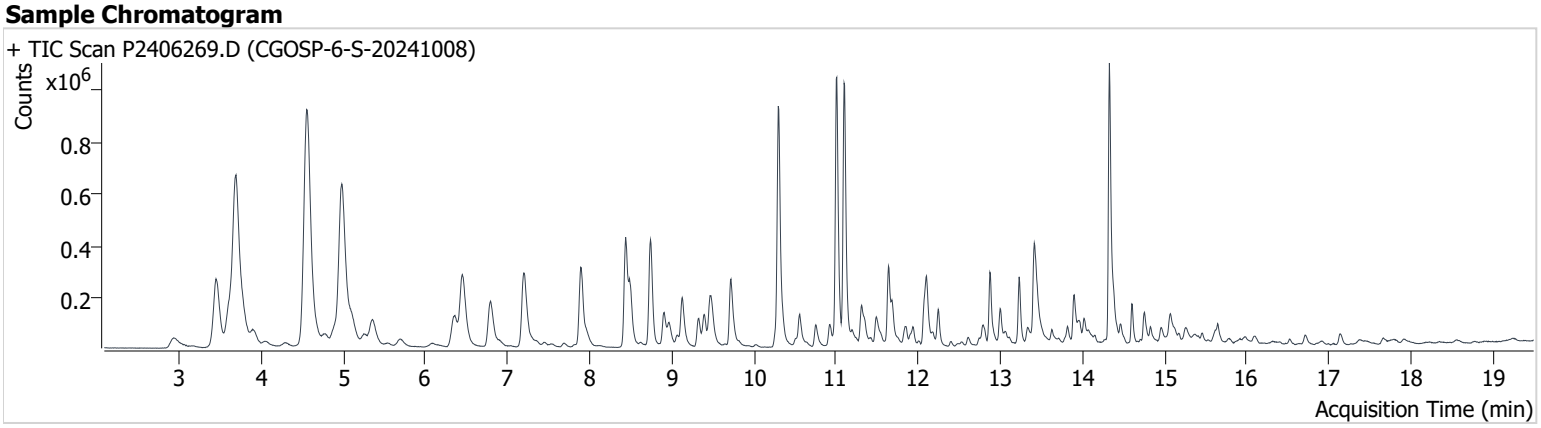
o-Xylene


+ EIC (91.1) Scan P2406268.D
Counts
x10^5
1
0.8
0.6
0.4
0.2
0
13.899 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.851-14.047 min, 34 scans) P2406268.D
Lib Match Score=67.2
Counts
x10^3
1
0.5
0
-0.5
-1
-1.5
91.1
55.1
97.2
106.1
41.1
51.1
69.1
77.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

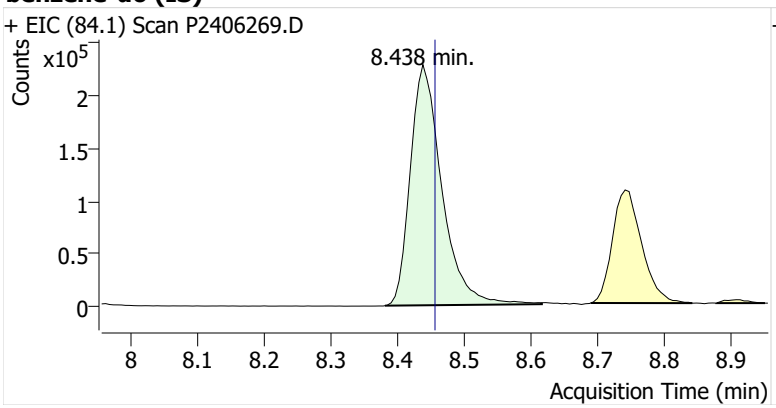
Name	CGOSP-6-S-20241008
Comment	B46139
Data File	P2406269.D
Acq. Date-Time	10/28/2024 8:05:51 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

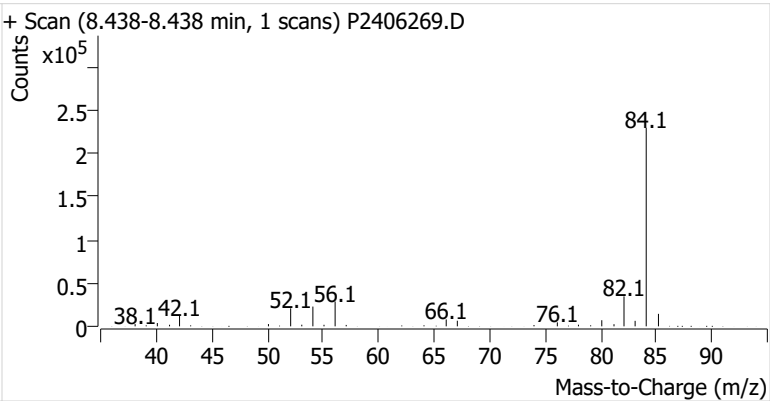
Sample Chromatogram



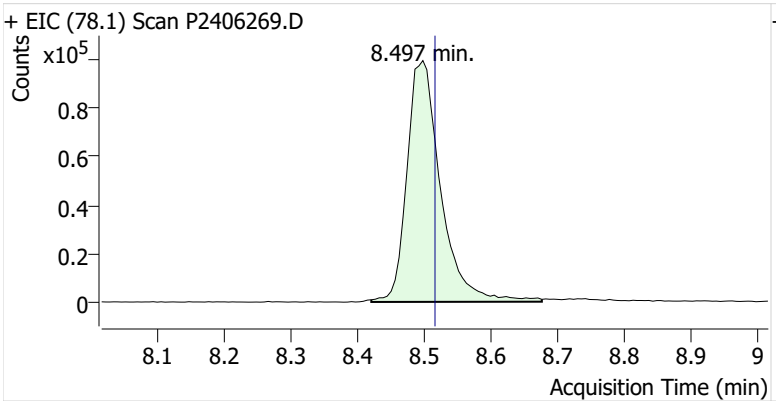
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.438	8.456	749,817	
Benzene	benzene-d6 (IS)	8.497	8.515	348,979	
Toluene-d8 (IS)		11.008	11.032	1,052,433	
Toluene	Toluene-d8 (IS)	11.097	11.121	1,136,383	
Ethylbenzene	Toluene-d8 (IS)	13.228	13.252	250,928	
m-/p-Xylene	Toluene-d8 (IS)	13.412	13.459	529,468	
o-Xylene	Toluene-d8 (IS)	13.898	13.922	213,249	

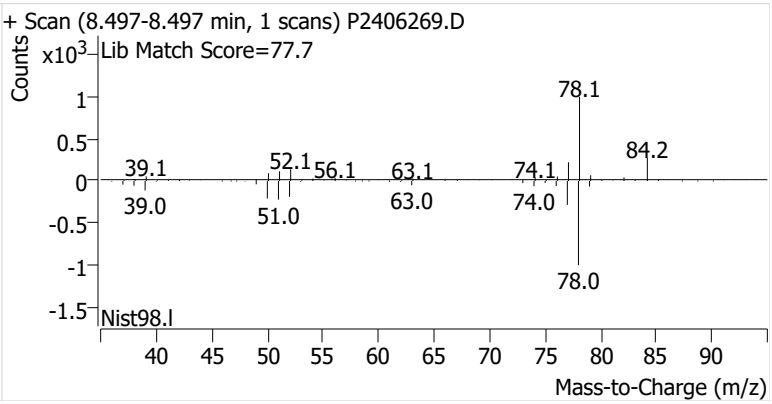
benzene-d6 (IS)



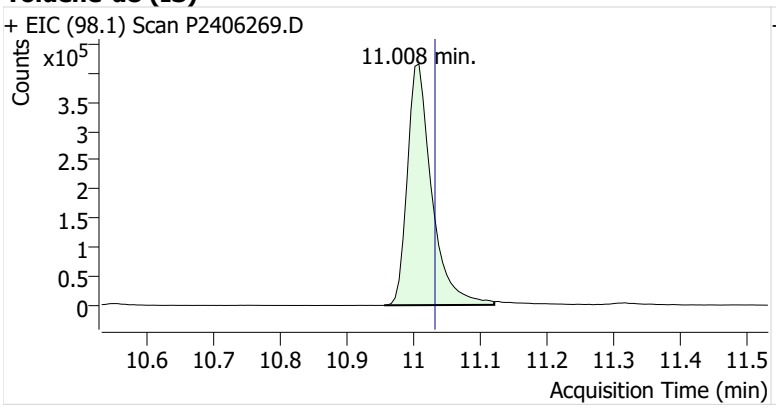


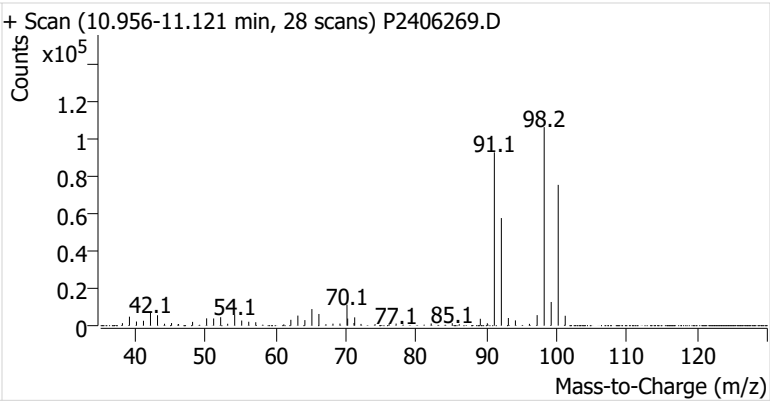
Benzene



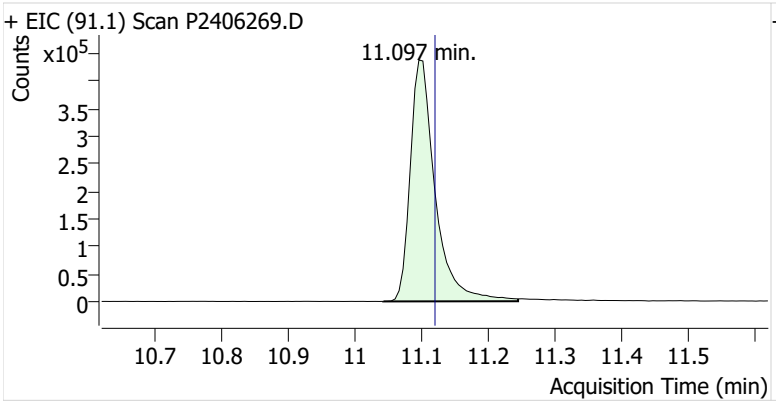


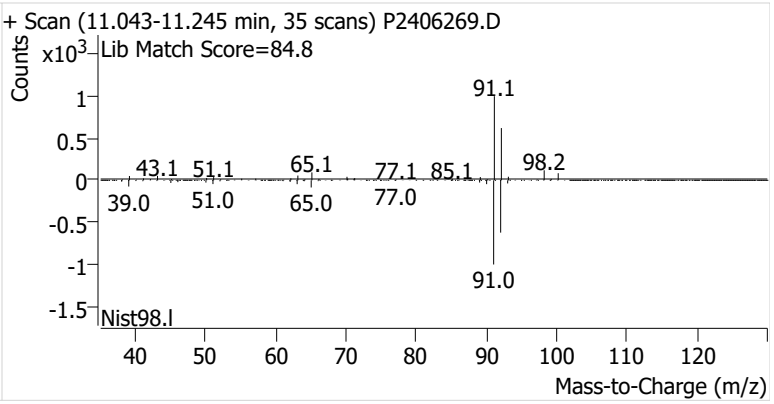
Toluene-d8 (IS)



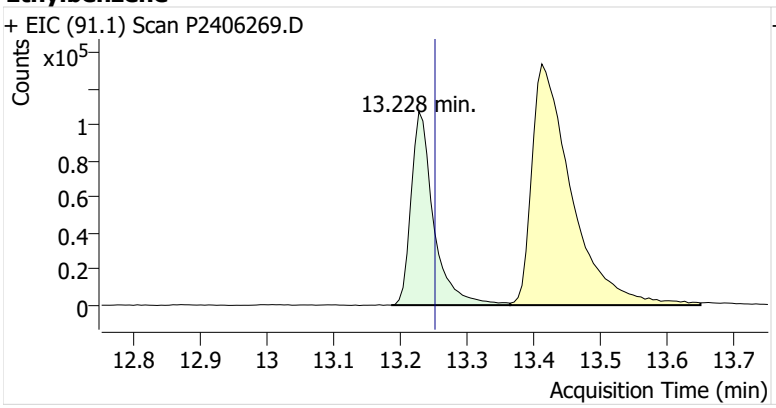


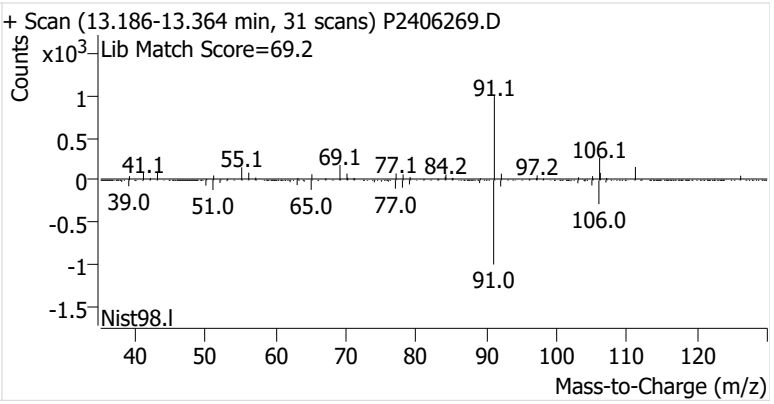
Toluene



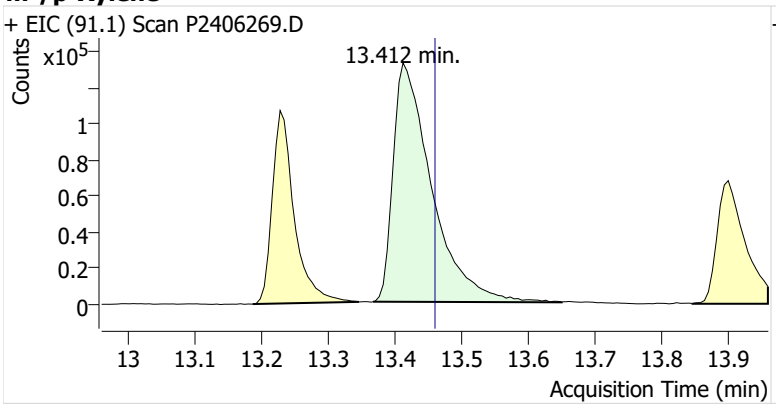


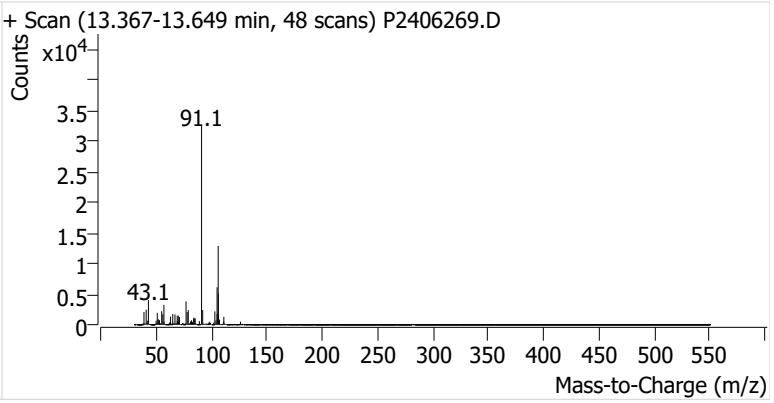
Ethylbenzene



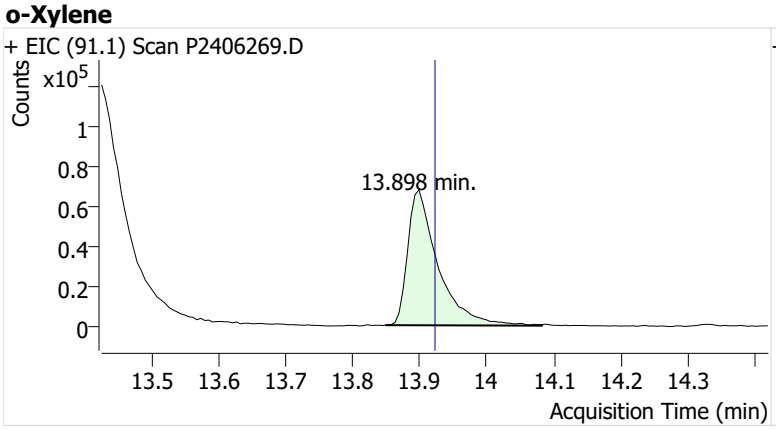


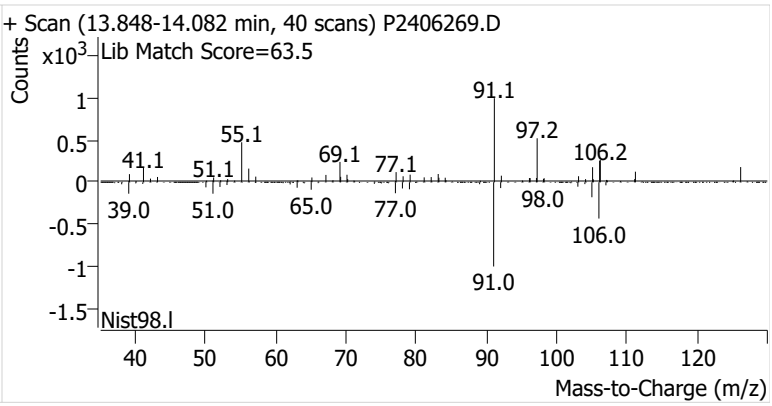
m-/p-Xylene





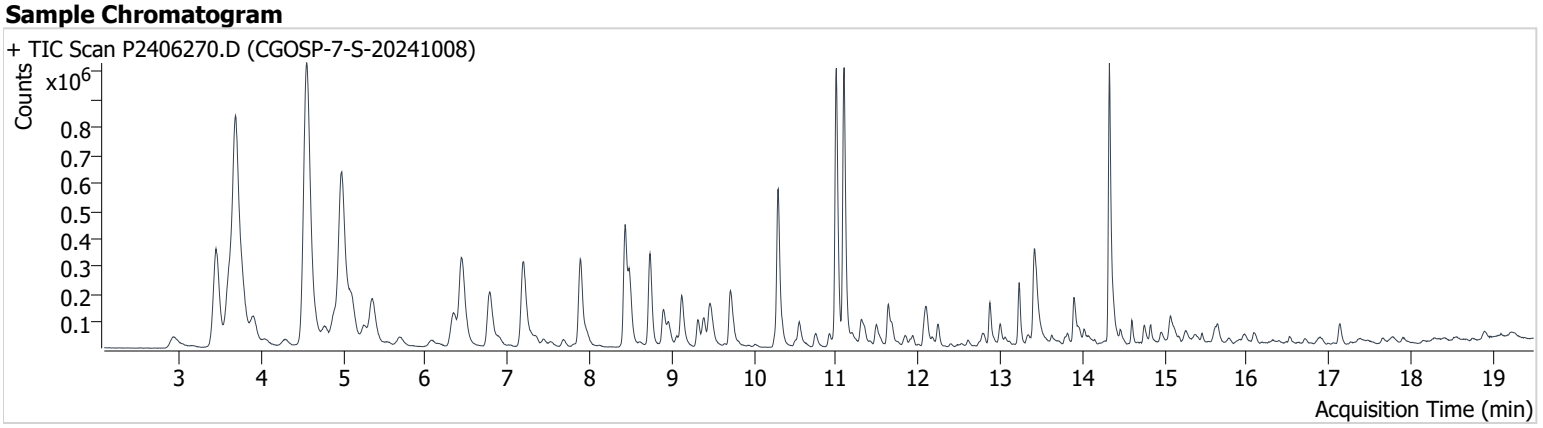
o-Xylene


+ EIC (91.1) Scan P2406269.D
Counts
x10^5
1
0.8
0.6
0.4
0.2
0
13.898 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.848-14.082 min, 40 scans) P2406269.D
Lib Match Score=63.5
Counts
x10^3
1
0.5
0
-0.5
-1
-1.5
91.1
97.2
55.1
106.2
41.1
69.1
77.1
51.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

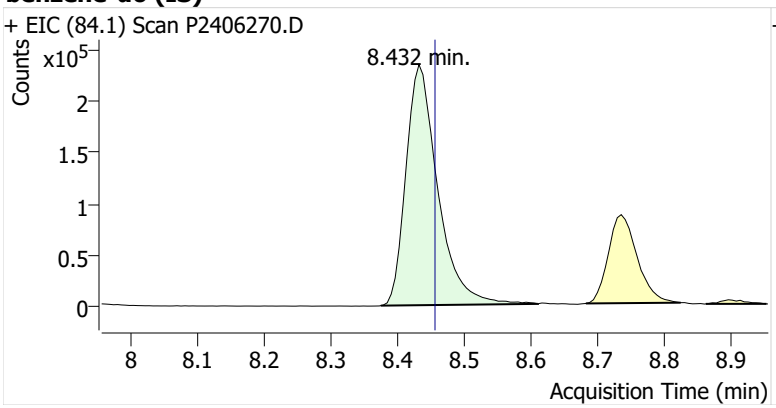
Name	CGOSP-7-S-20241008
Comment	B35493
Data File	P2406270.D
Acq. Date-Time	10/28/2024 8:43:08 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

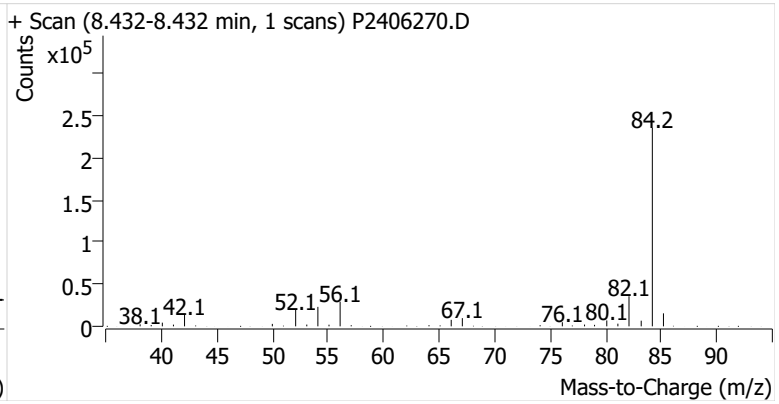
Sample Chromatogram



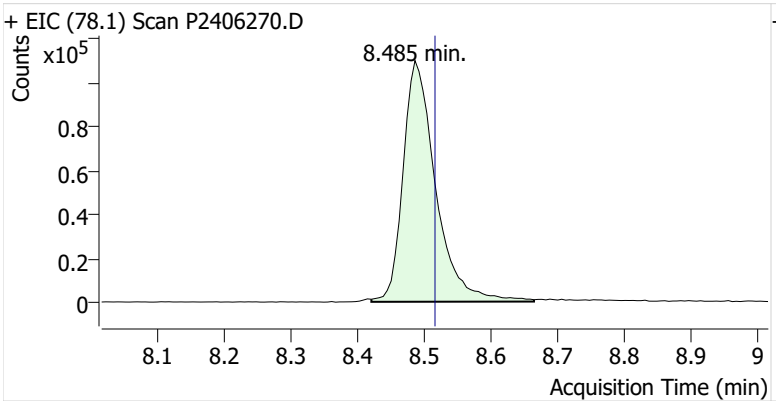
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.432	8.456	775,805	
Benzene	benzene-d6 (IS)	8.485	8.515	372,804	
Toluene-d8 (IS)		11.002	11.032	1,044,572	
Toluene	Toluene-d8 (IS)	11.097	11.121	1,118,928	
Ethylbenzene	Toluene-d8 (IS)	13.228	13.252	219,607	
m-/p-Xylene	Toluene-d8 (IS)	13.418	13.459	494,394	
o-Xylene	Toluene-d8 (IS)	13.898	13.922	198,581	

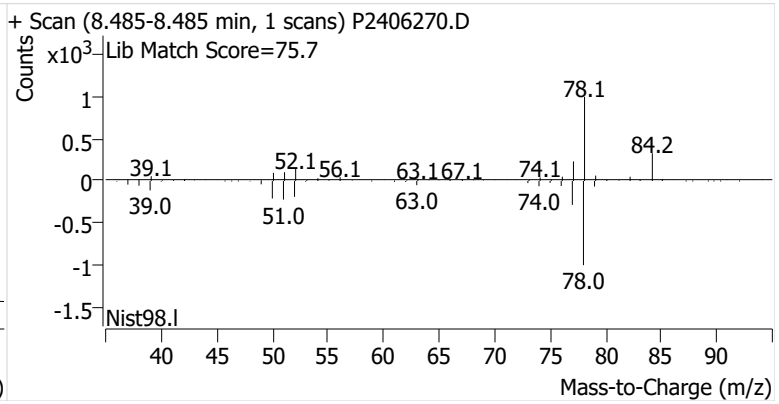
benzene-d6 (IS)



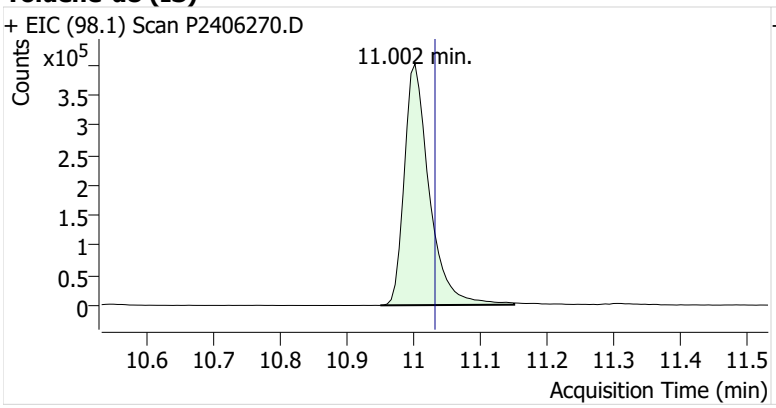


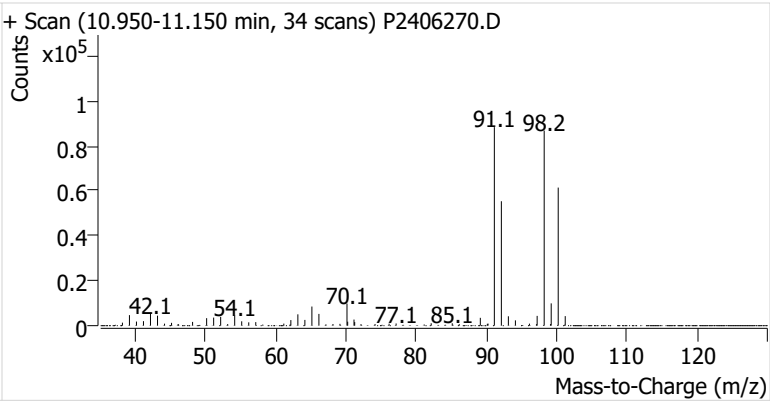
Benzene



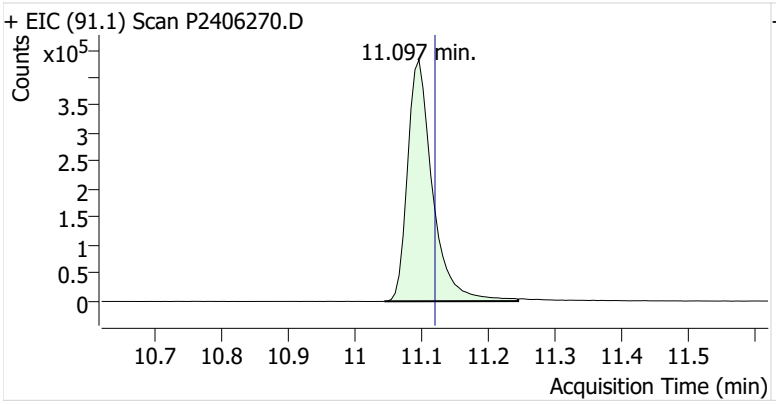


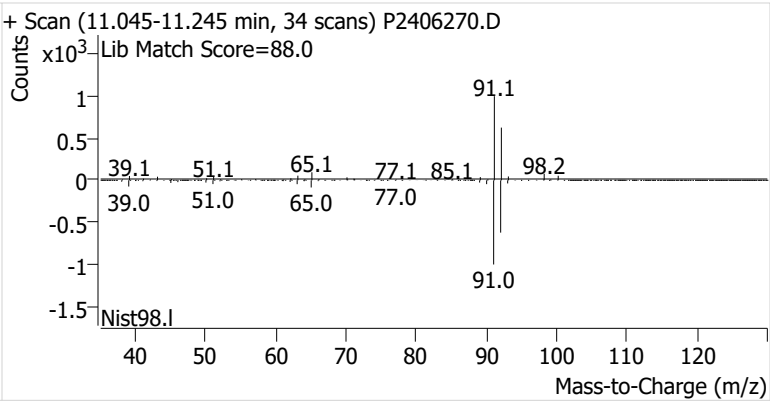
Toluene-d8 (IS)



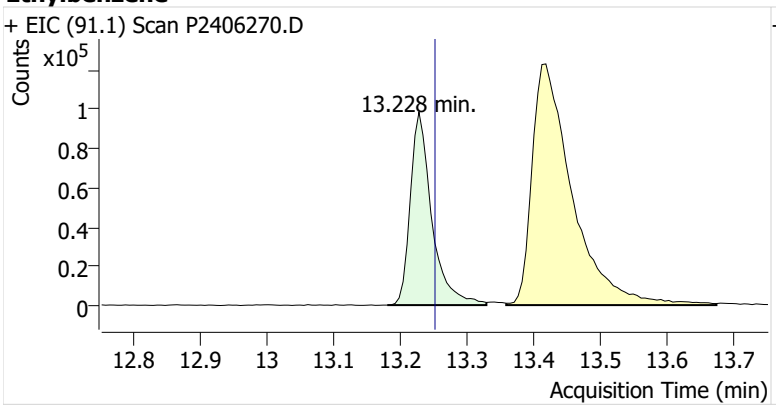


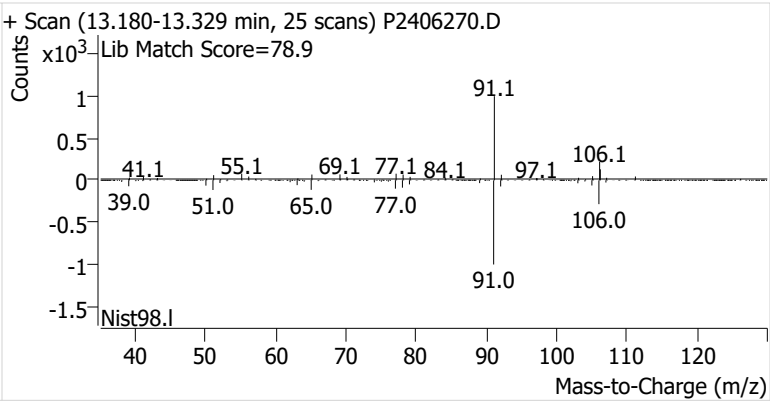
Toluene



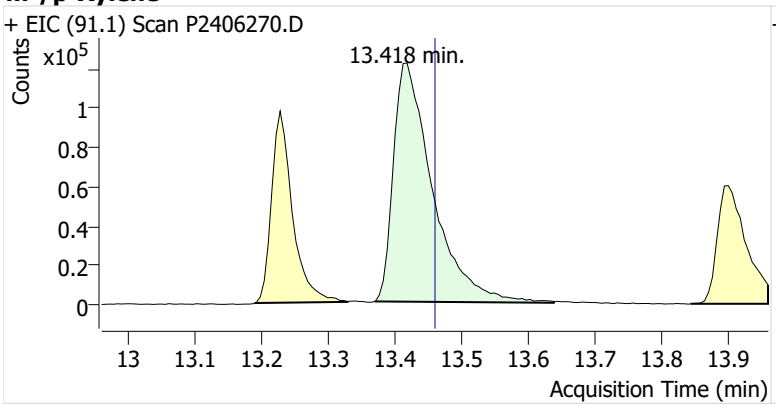


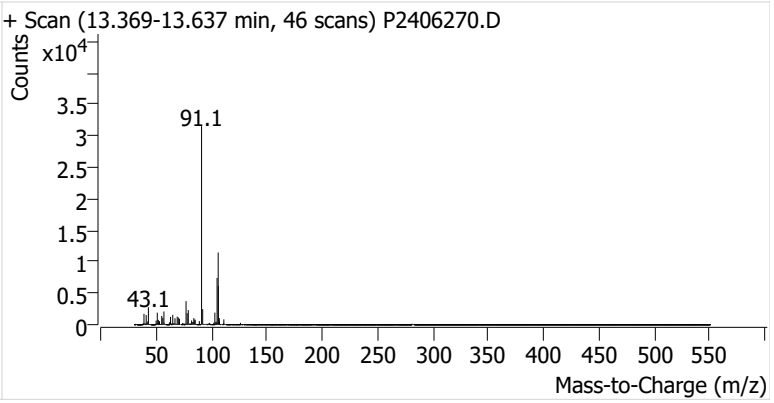
Ethylbenzene



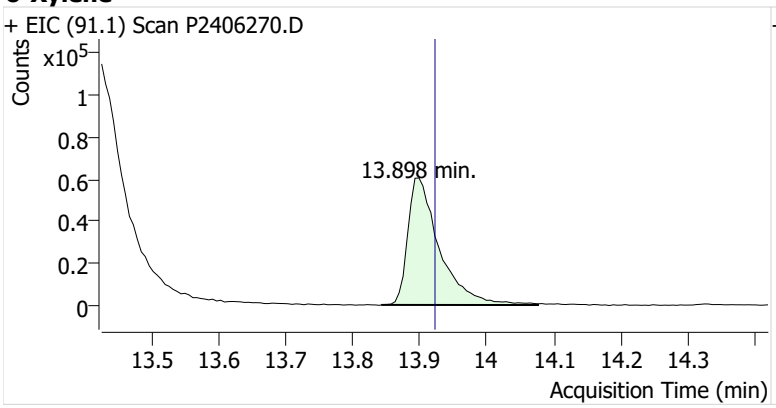


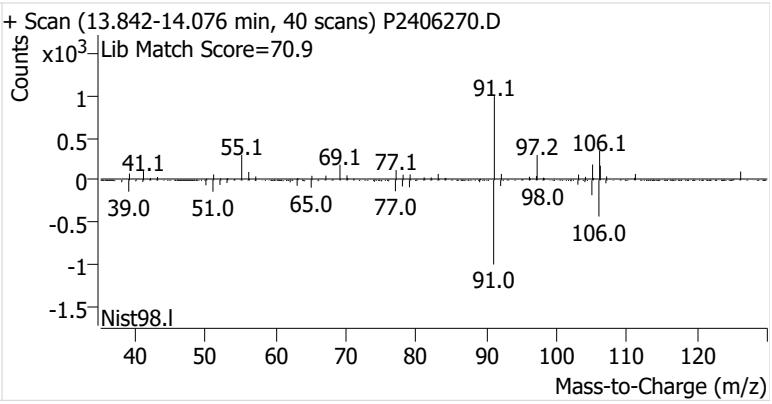
m-/p-Xylene





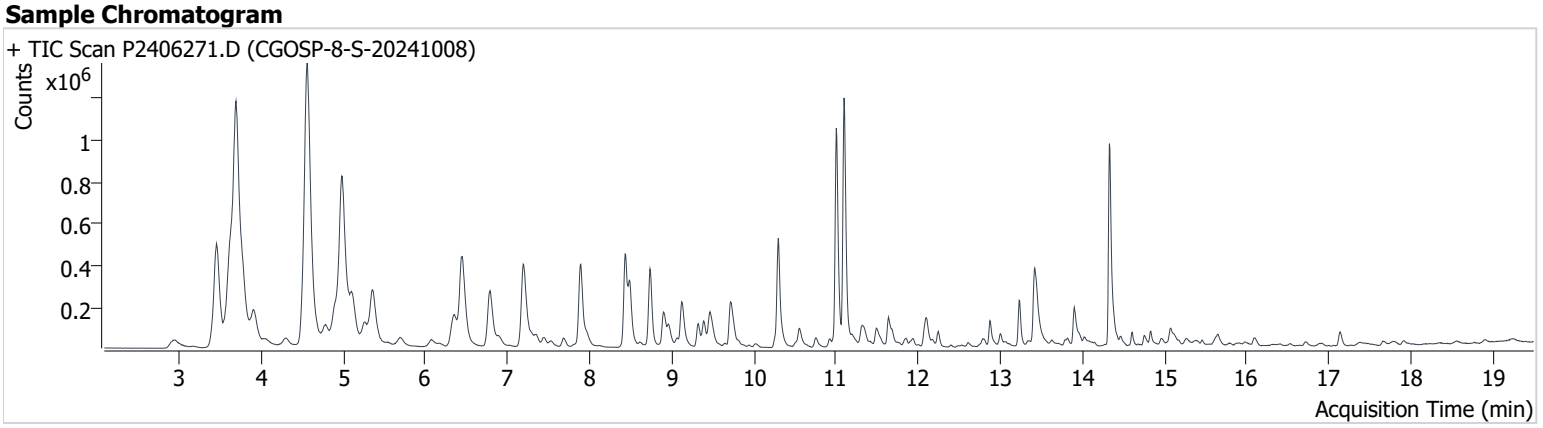
o-Xylene


+ EIC (91.1) Scan P2406270.D
Counts
x10^5
1
0.8
0.6
0.4
0.2
0
13.898 min.
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3
Acquisition Time (min)


+ Scan (13.842-14.076 min, 40 scans) P2406270.D
Counts
x10^3
Lib Match Score=70.9
1
0.5
0
-0.5
-1
-1.5
91.1
55.1
41.1
69.1
77.1
97.2
106.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

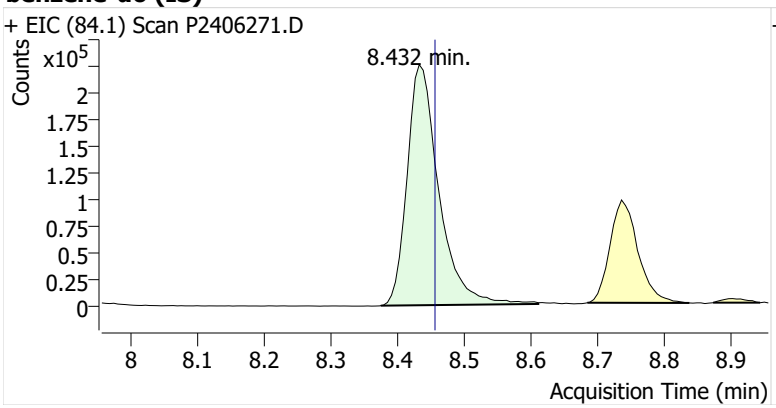
Name	CGOSP-8-S-20241008
Comment	C01501
Data File	P2406271.D
Acq. Date-Time	10/28/2024 9:20:27 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

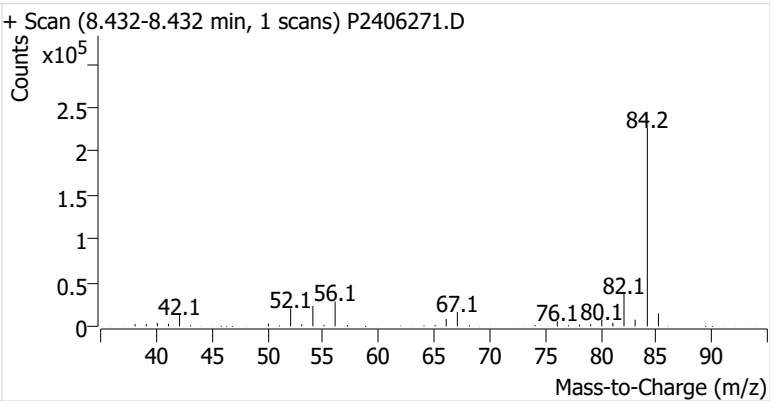
Sample Chromatogram



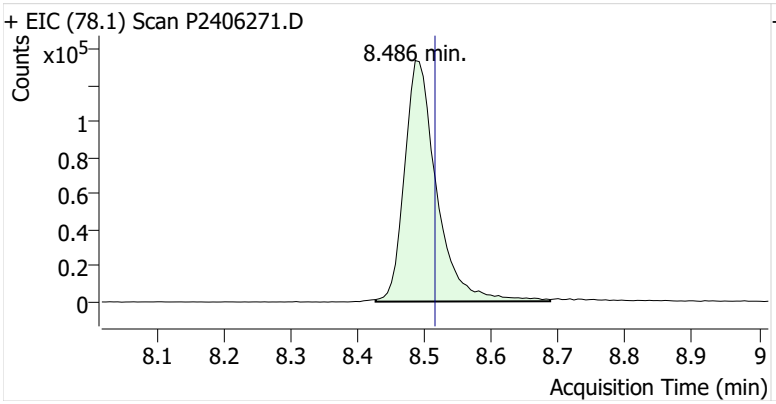
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.432	8.456	743,435	
Benzene	benzene-d6 (IS)	8.486	8.515	447,176	
Toluene-d8 (IS)		11.002	11.032	1,096,969	
Toluene	Toluene-d8 (IS)	11.097	11.121	1,371,794	
Ethylbenzene	Toluene-d8 (IS)	13.228	13.252	232,190	
m-/p-Xylene	Toluene-d8 (IS)	13.418	13.459	562,455	
o-Xylene	Toluene-d8 (IS)	13.899	13.922	218,939	

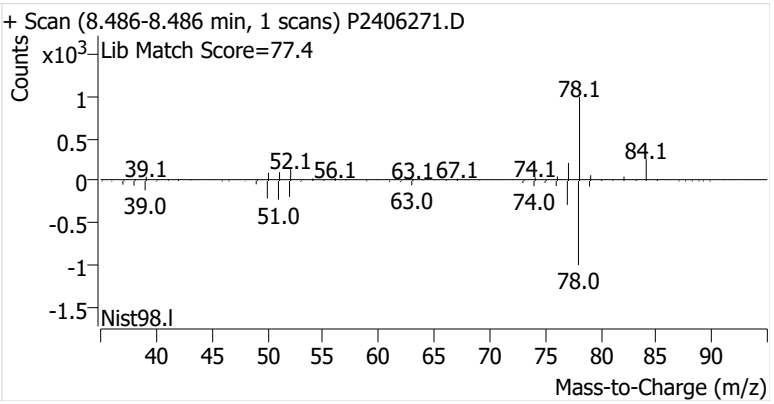
benzene-d6 (IS)



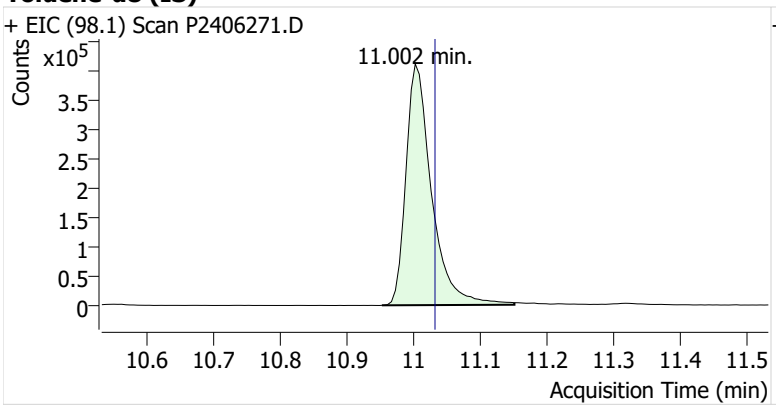


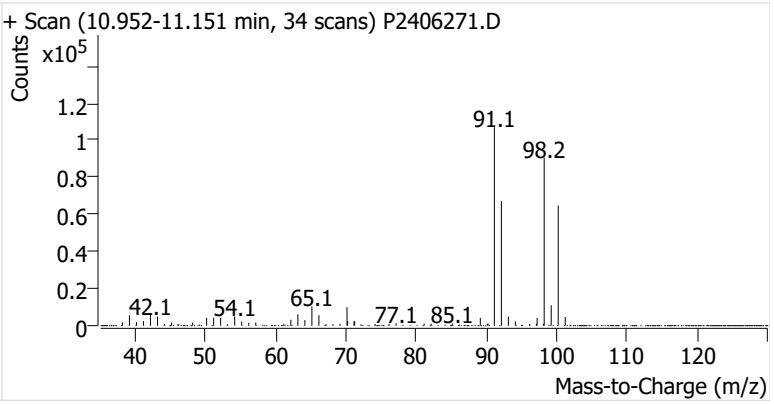
Benzene



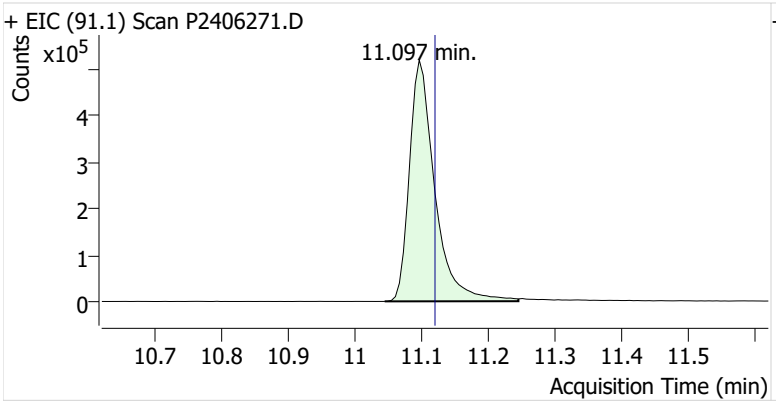


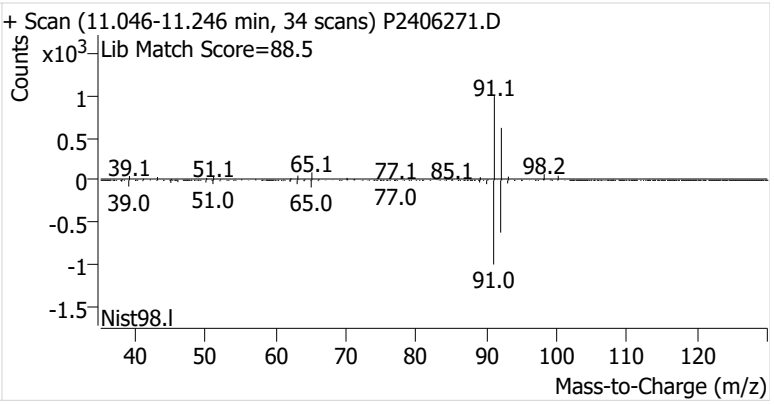
Toluene-d8 (IS)



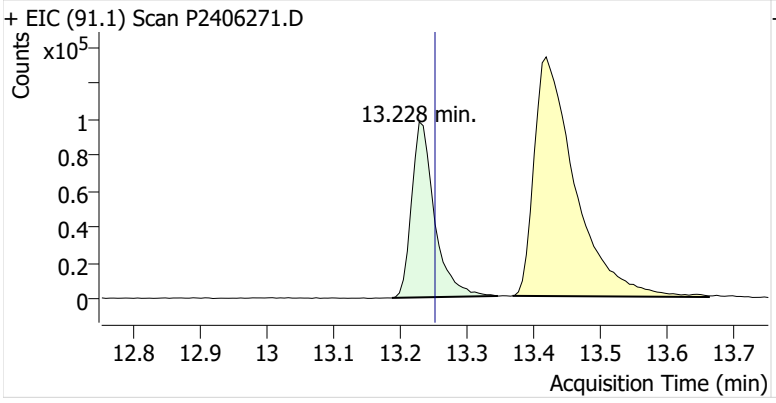


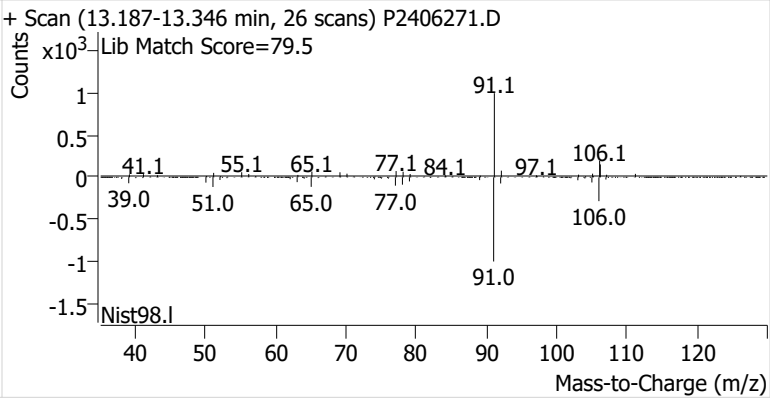
Toluene



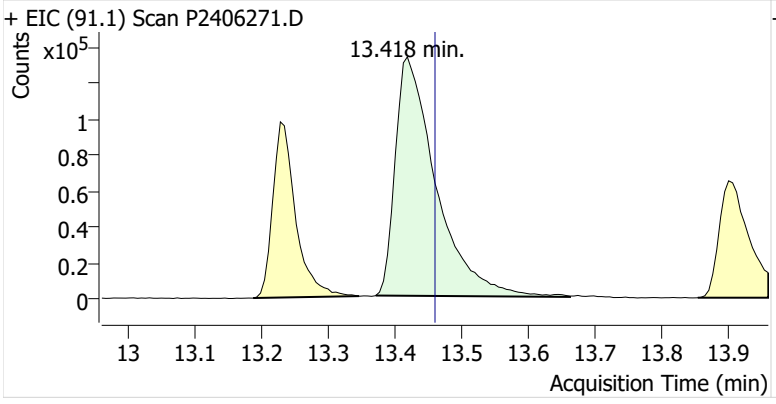


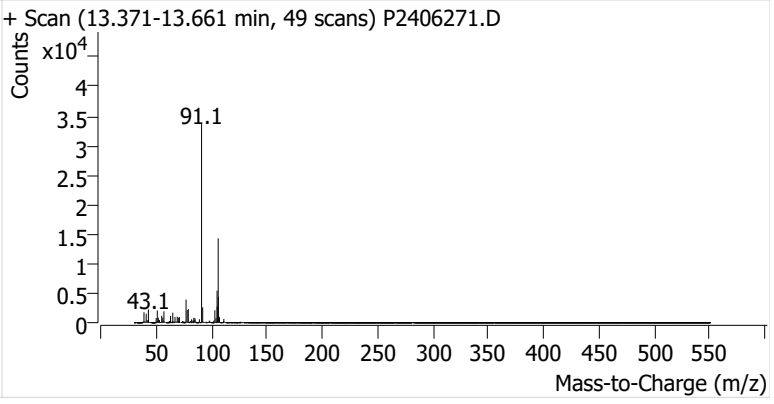
Ethylbenzene



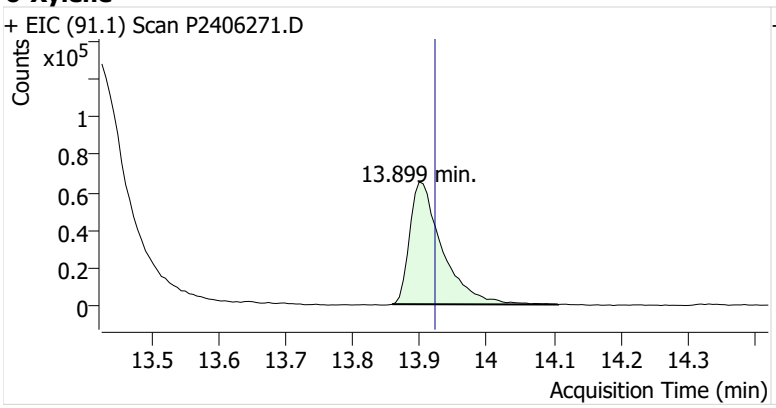


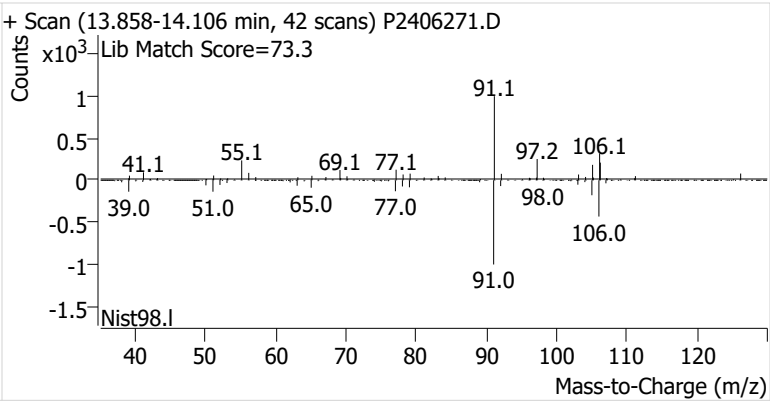
m-/p-Xylene





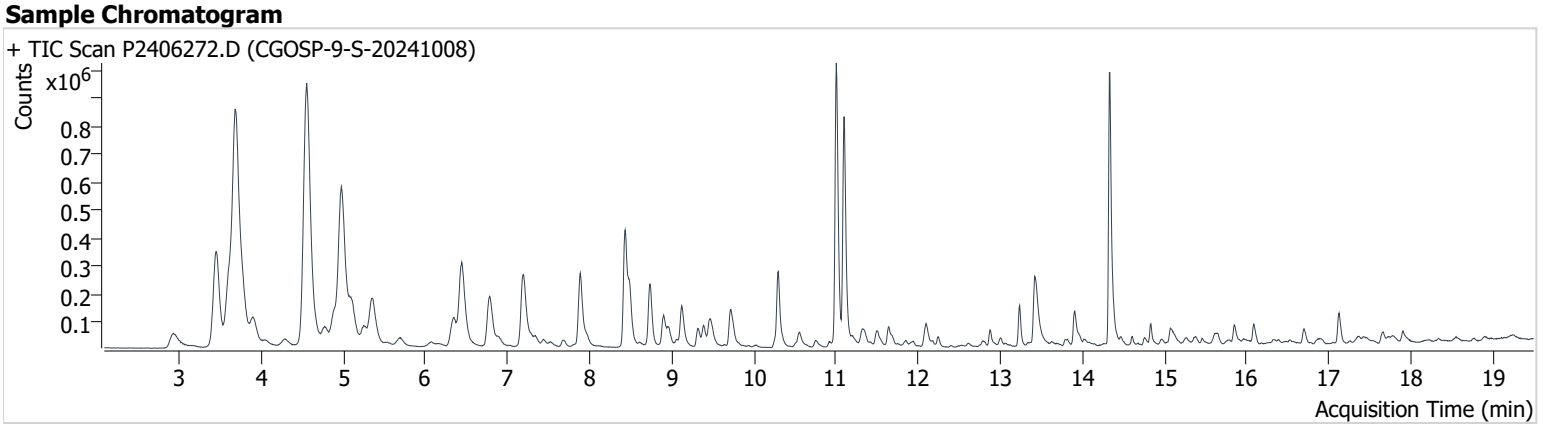
o-Xylene


+ EIC (91.1) Scan P2406271.D
Counts
x10^5
1
0.8
0.6
0.4
0.2
0
13.899 min.
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3
Acquisition Time (min)


+ Scan (13.858-14.106 min, 42 scans) P2406271.D
Lib Match Score=73.3
Counts
x10^3
1
0.5
0
-0.5
-1
-1.5
91.1
41.1
55.1
69.1
77.1
97.2
106.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

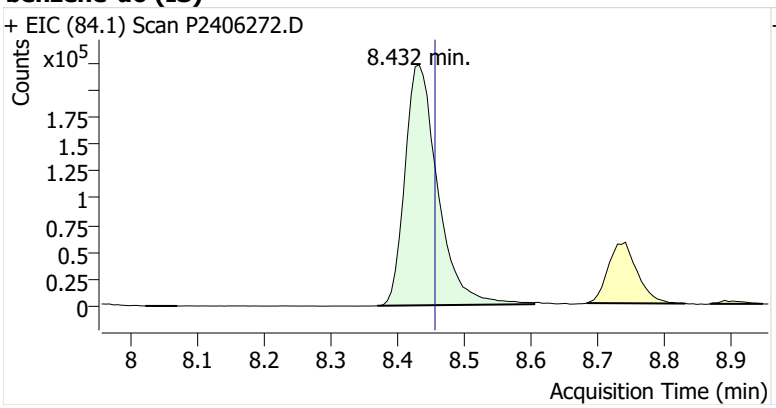
Name	CGOSP-9-S-20241008
Comment	C35705
Data File	P2406272.D
Acq. Date-Time	10/28/2024 9:57:43 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

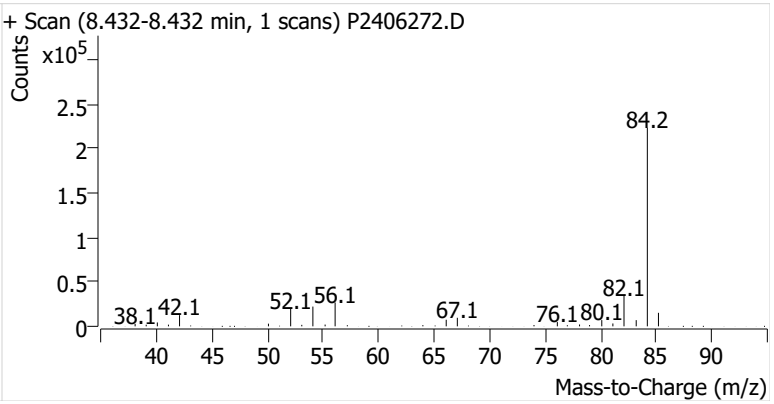
Sample Chromatogram



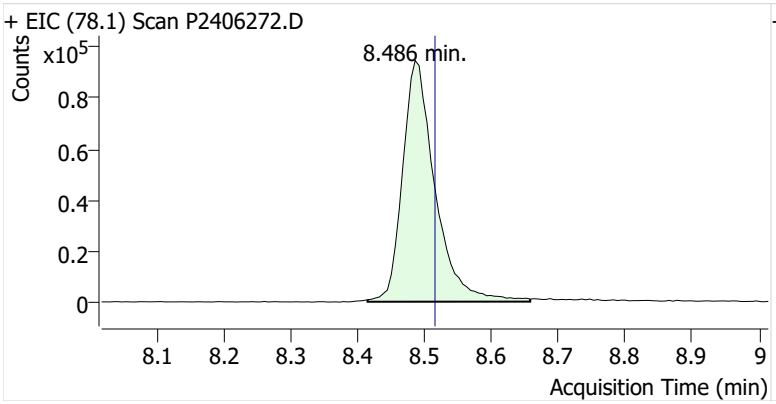
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.432	8.456	758,083	
Benzene	benzene-d6 (IS)	8.486	8.515	319,143	
Toluene-d8 (IS)		11.002	11.032	1,107,031	
Toluene	Toluene-d8 (IS)	11.097	11.121	961,872	
Ethylbenzene	Toluene-d8 (IS)	13.234	13.252	151,819	
m-/p-Xylene	Toluene-d8 (IS)	13.418	13.459	382,410	
o-Xylene	Toluene-d8 (IS)	13.899	13.922	153,349	

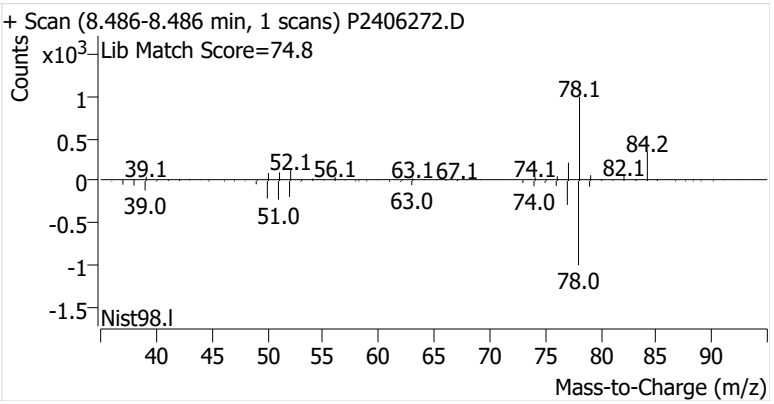
benzene-d6 (IS)



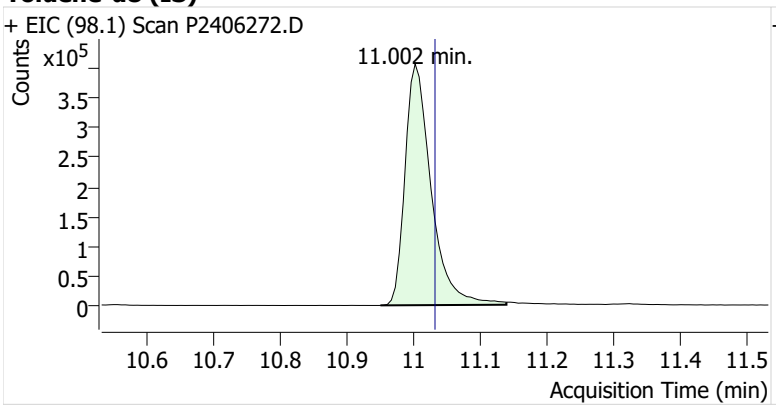


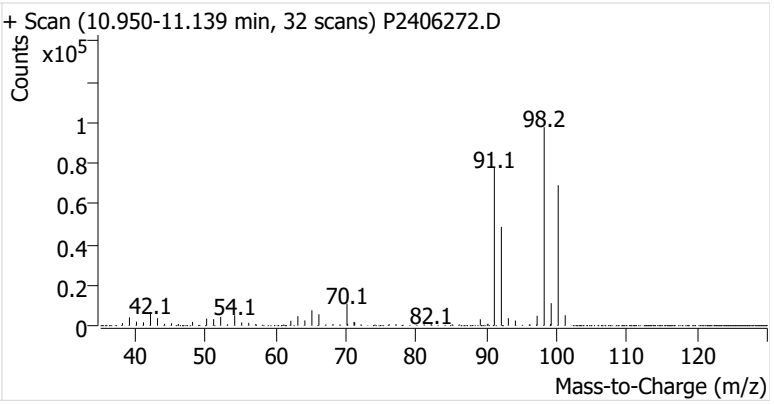
Benzene



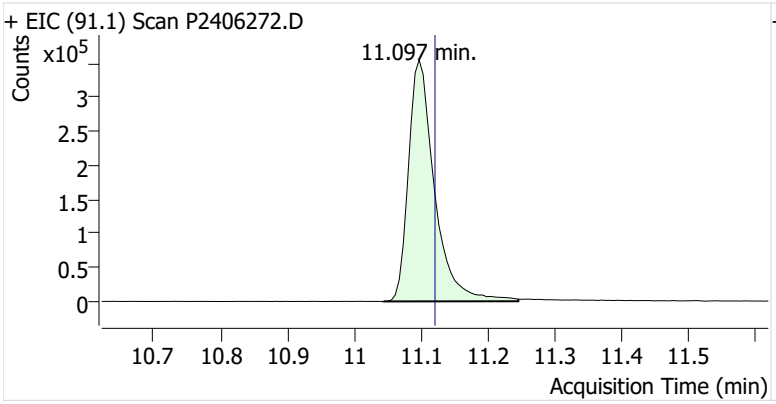


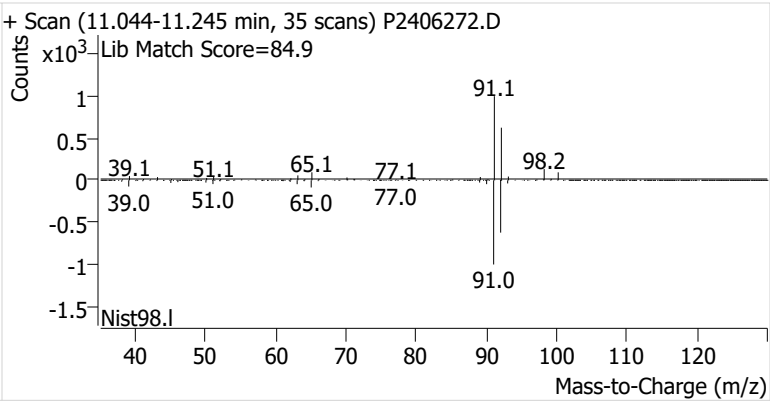
Toluene-d8 (IS)



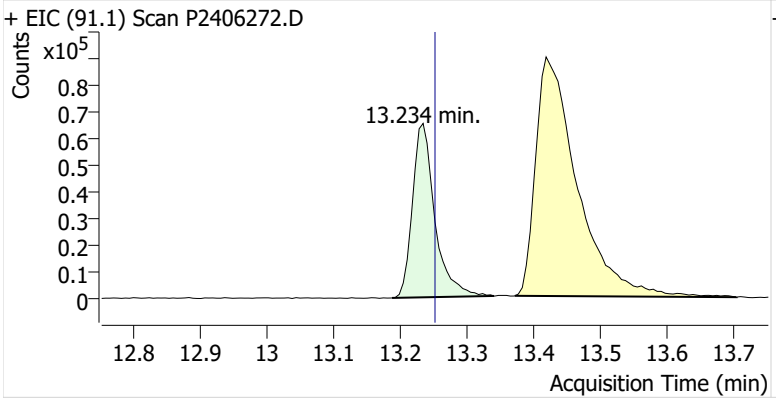


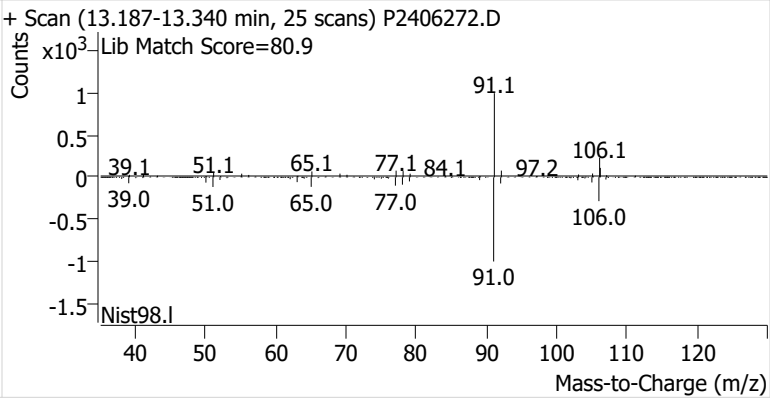
Toluene



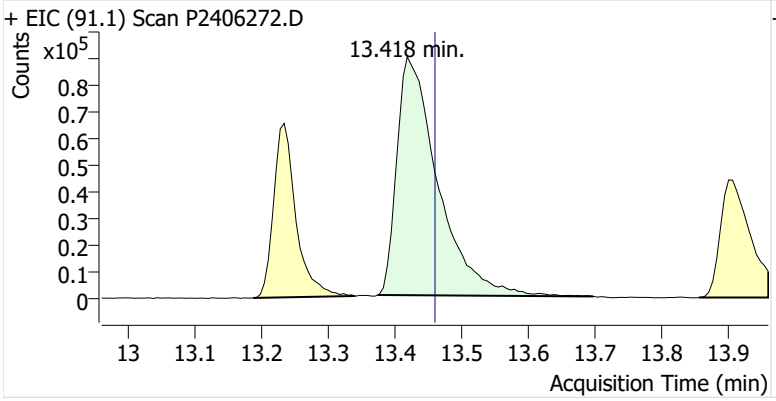


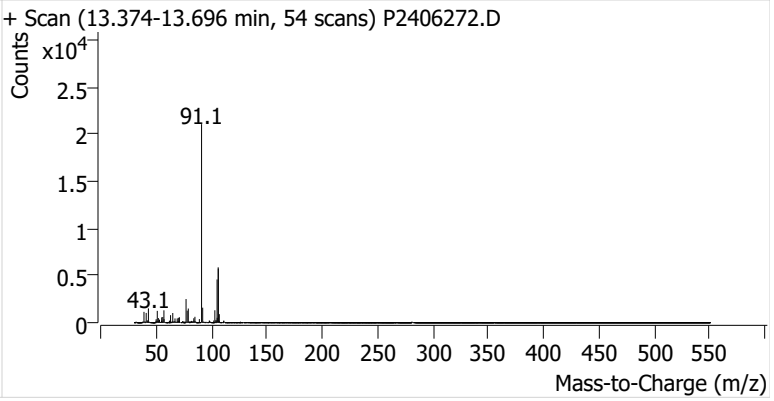
Ethylbenzene



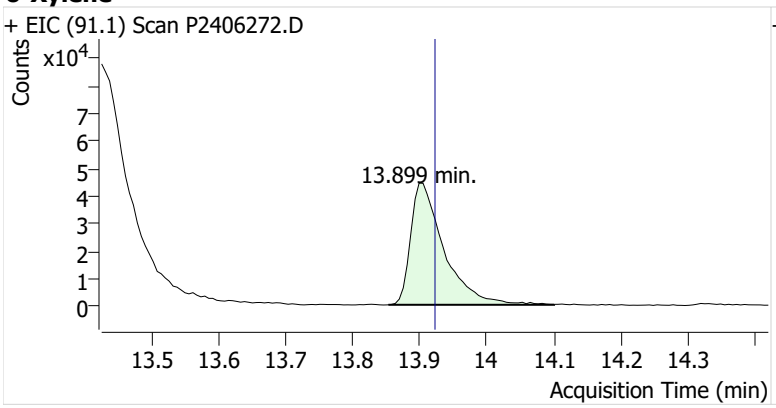


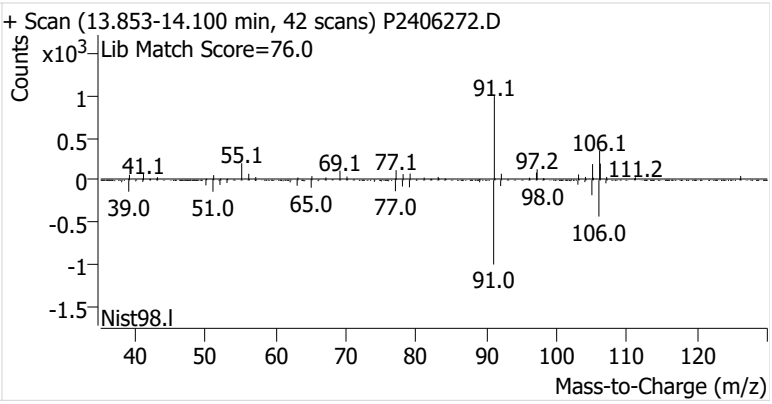
m-/p-Xylene





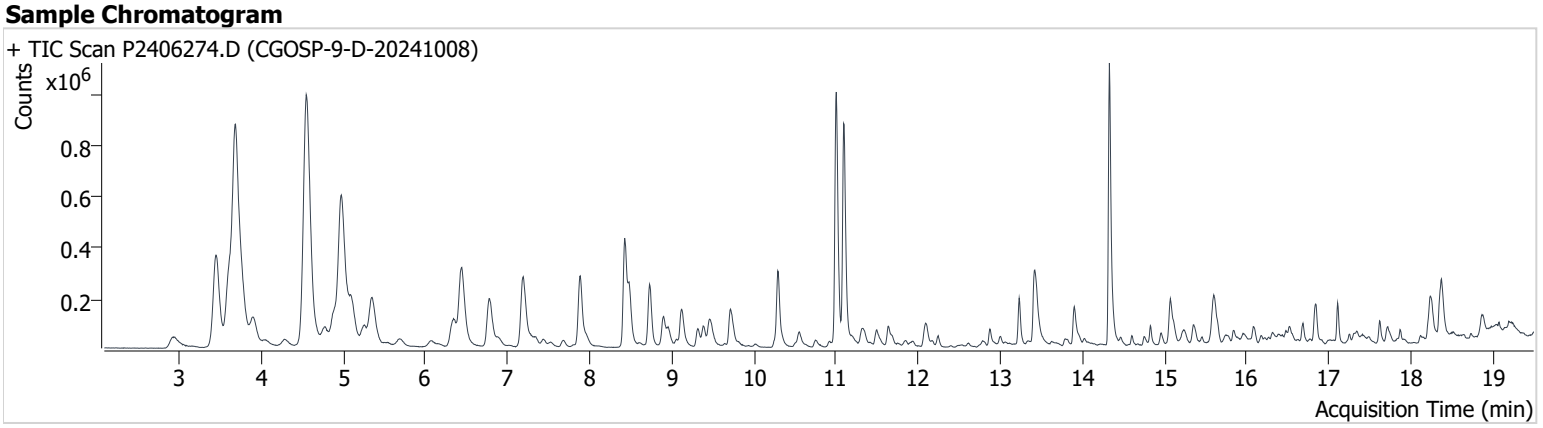
o-Xylene


+ EIC (91.1) Scan P2406272.D
Counts
x10^4
13.899 min.
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3
Acquisition Time (min)


+ Scan (13.853-14.100 min, 42 scans) P2406272.D
Lib Match Score=76.0
Counts
x10^3
91.1
106.1
41.1
55.1
69.1
77.1
97.2
111.2
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

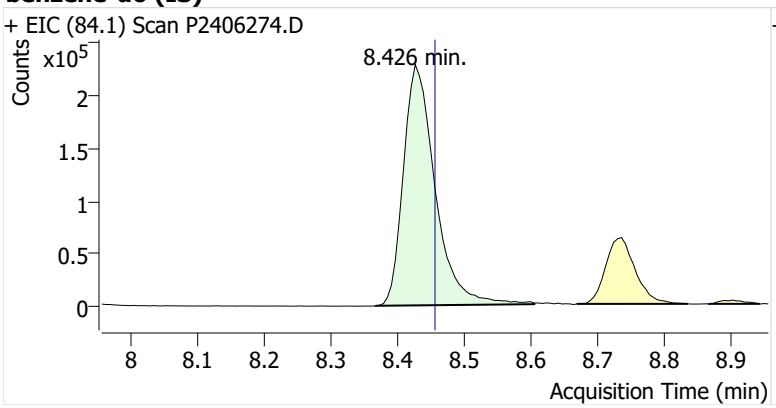
Name	CGOSP-9-D-20241008
Comment	C31405
Data File	P2406274.D
Acq. Date-Time	10/28/2024 11:12:18 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

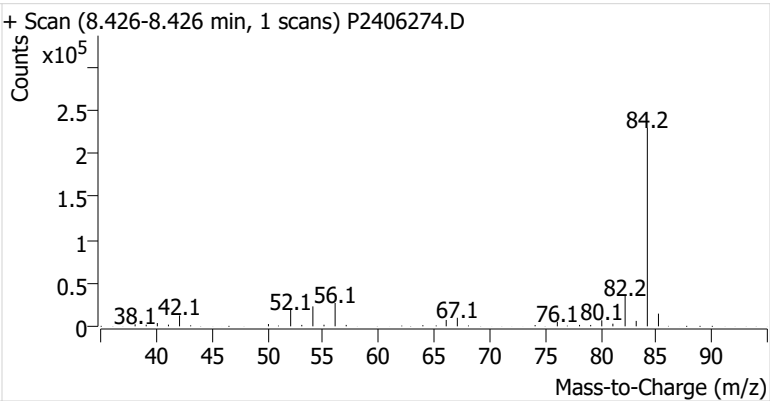
Sample Chromatogram



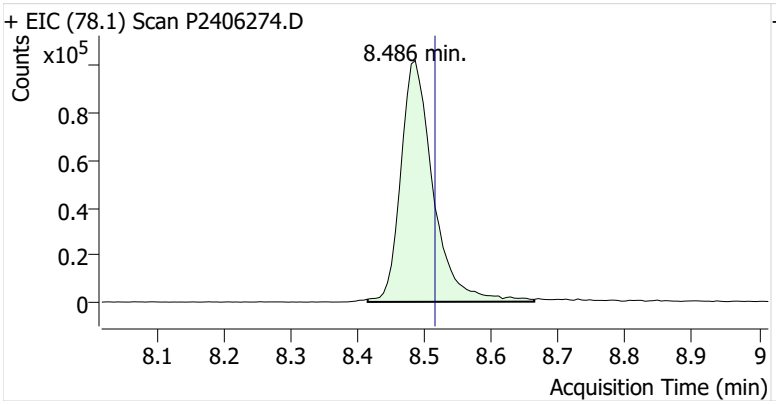
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.426	8.456	755,912	
Benzene	benzene-d6 (IS)	8.486	8.515	343,462	
Toluene-d8 (IS)		11.002	11.032	1,100,252	
Toluene	Toluene-d8 (IS)	11.097	11.121	1,031,774	
Ethylbenzene	Toluene-d8 (IS)	13.228	13.252	185,070	
m-/p-Xylene	Toluene-d8 (IS)	13.418	13.459	450,663	
o-Xylene	Toluene-d8 (IS)	13.899	13.922	174,461	

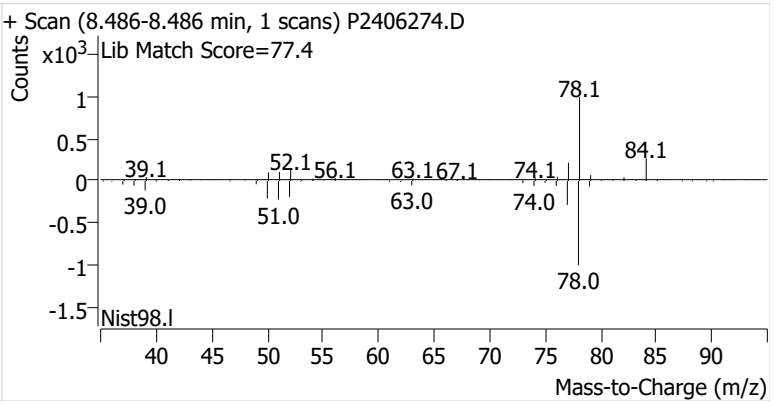
benzene-d6 (IS)



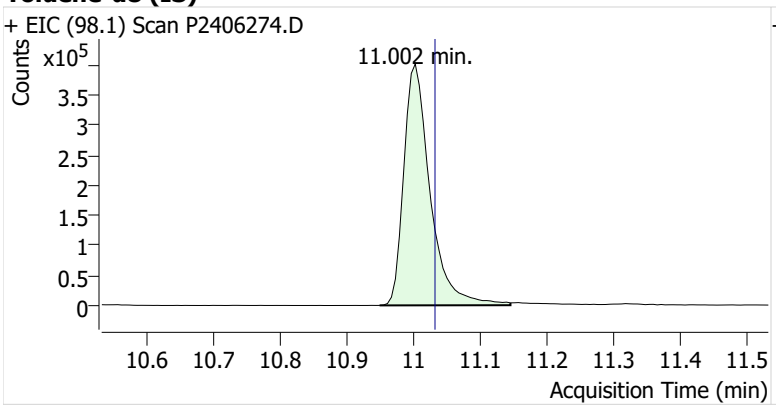


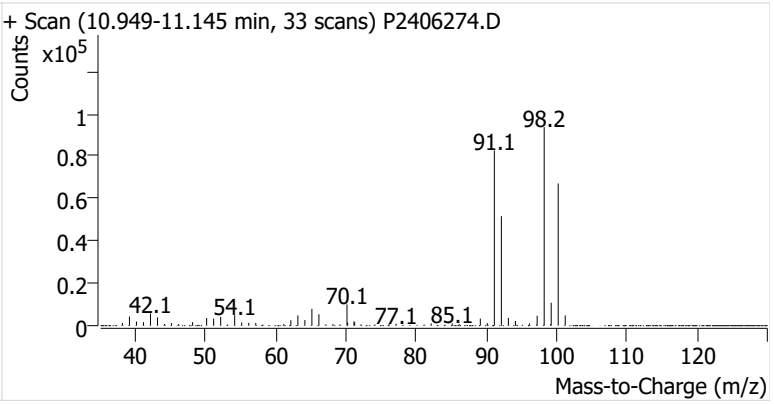
Benzene



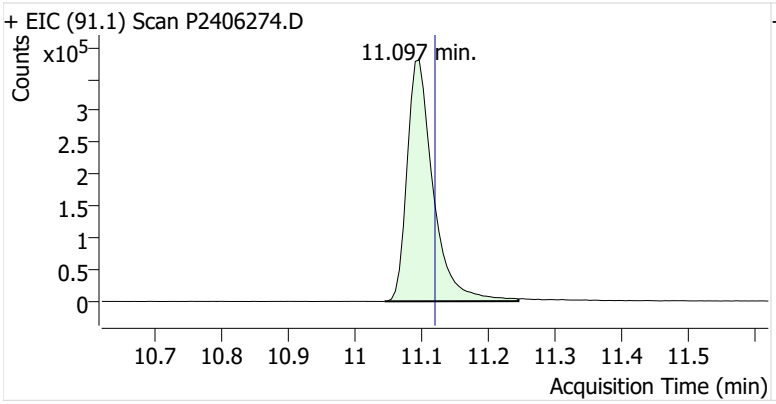


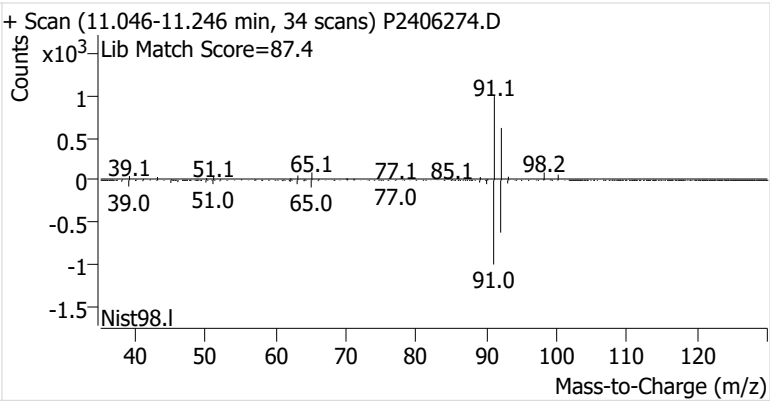
Toluene-d8 (IS)



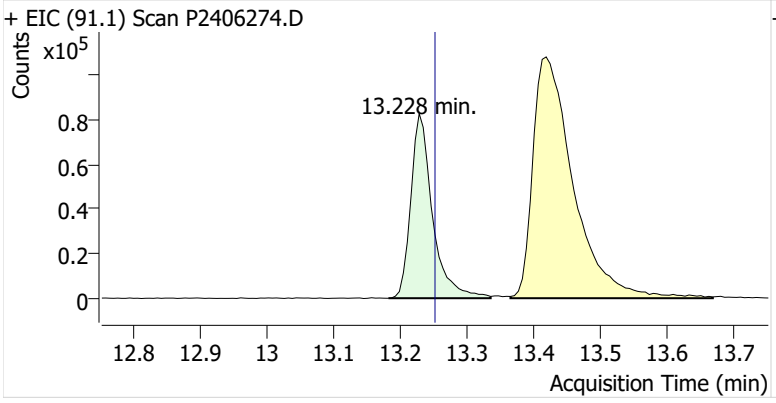


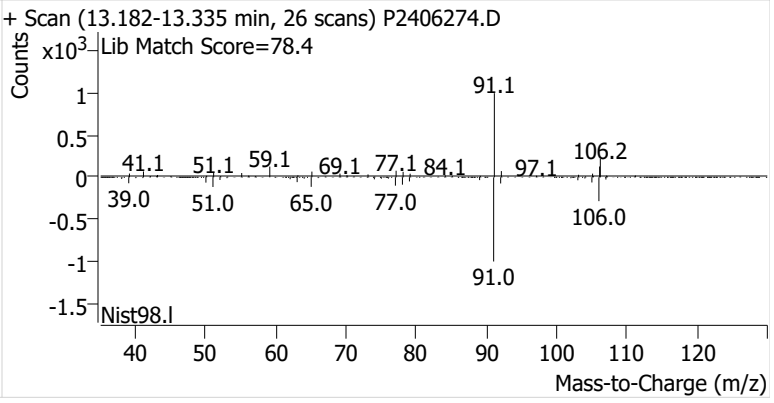
Toluene



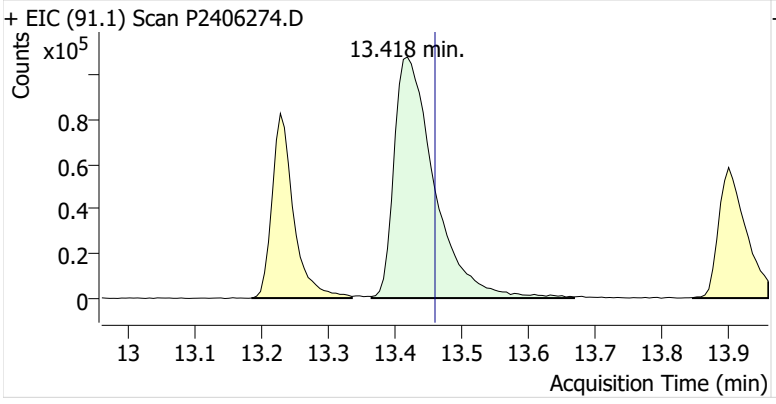


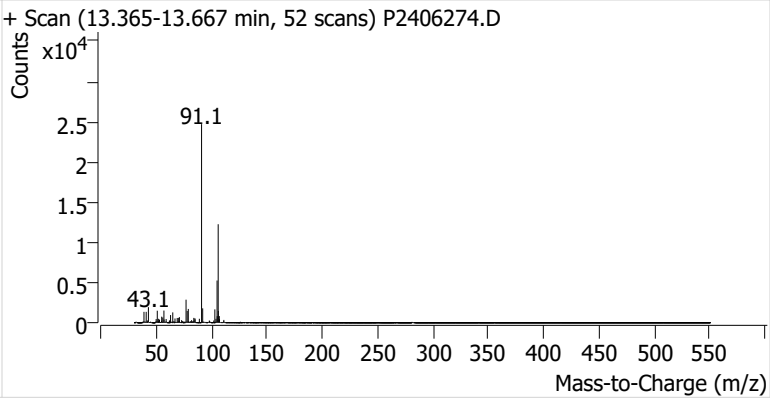
Ethylbenzene



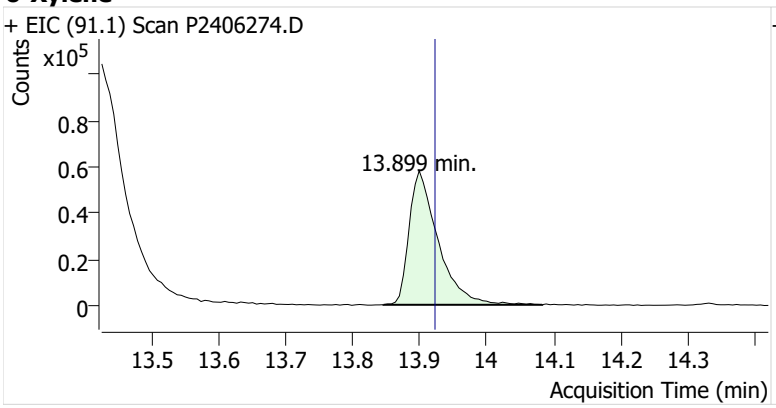


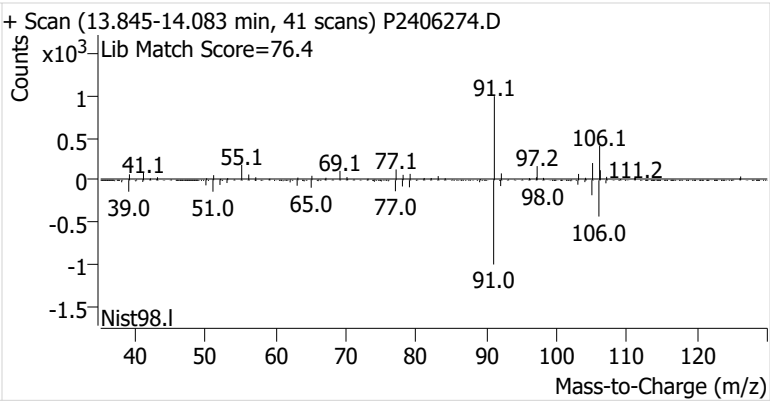
m-/p-Xylene





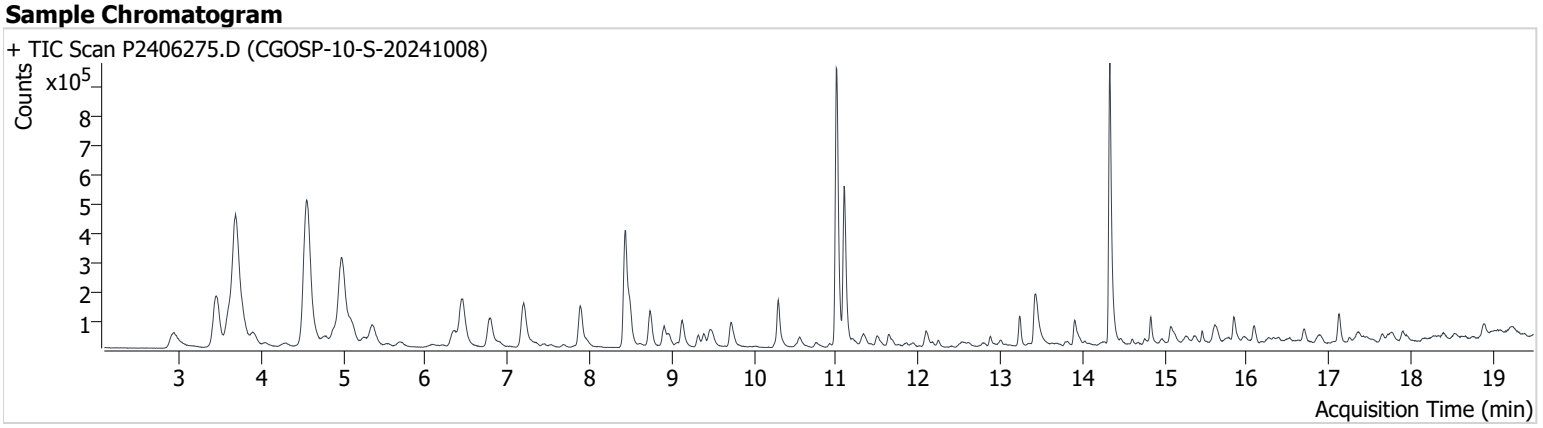
o-Xylene


+ EIC (91.1) Scan P2406274.D
Counts
x10^5
0.8
0.6
0.4
0.2
0
13.899 min.
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3
Acquisition Time (min)


+ Scan (13.845-14.083 min, 41 scans) P2406274.D
Lib Match Score=76.4
Counts
x10^3
1
0.5
0
-0.5
-1
-1.5
91.1
106.1
41.1
55.1
69.1
77.1
97.2
111.2
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

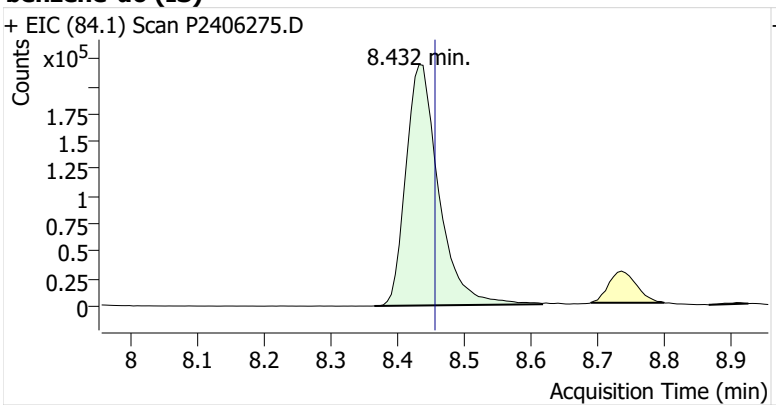
Name	CGOSP-10-S-20241008
Comment	C38955
Data File	P2406275.D
Acq. Date-Time	10/28/2024 11:49:35 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

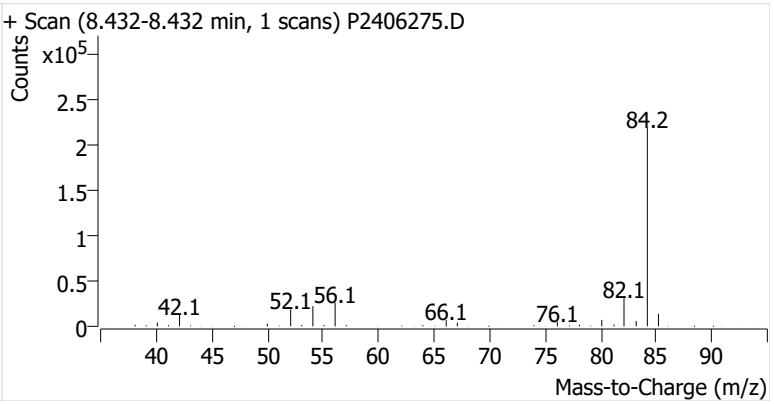
Sample Chromatogram



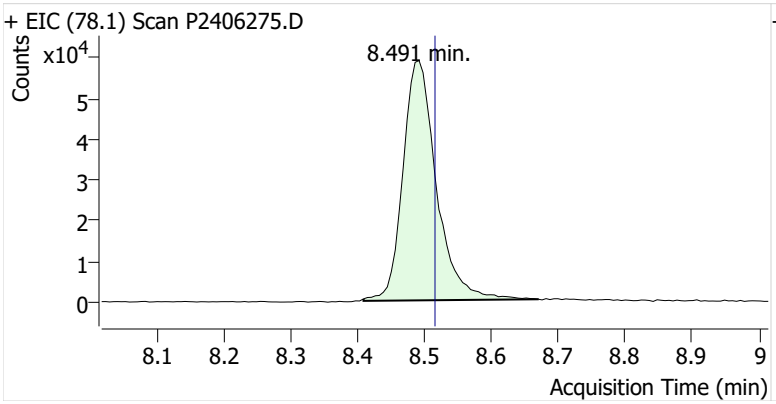
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.432	8.456	748,439	
Benzene	benzene-d6 (IS)	8.491	8.515	204,871	
Toluene-d8 (IS)		11.002	11.032	1,053,394	
Toluene	Toluene-d8 (IS)	11.097	11.121	633,280	
Ethylbenzene	Toluene-d8 (IS)	13.234	13.252	110,514	
m-/p-Xylene	Toluene-d8 (IS)	13.430	13.459	288,469	
o-Xylene	Toluene-d8 (IS)	13.910	13.922	108,698	

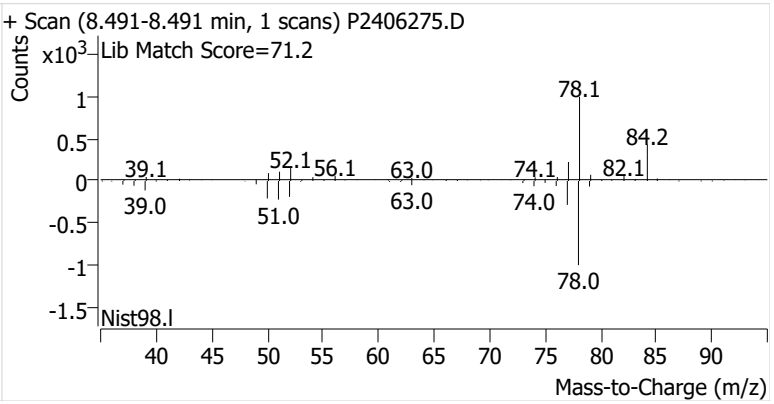
benzene-d6 (IS)



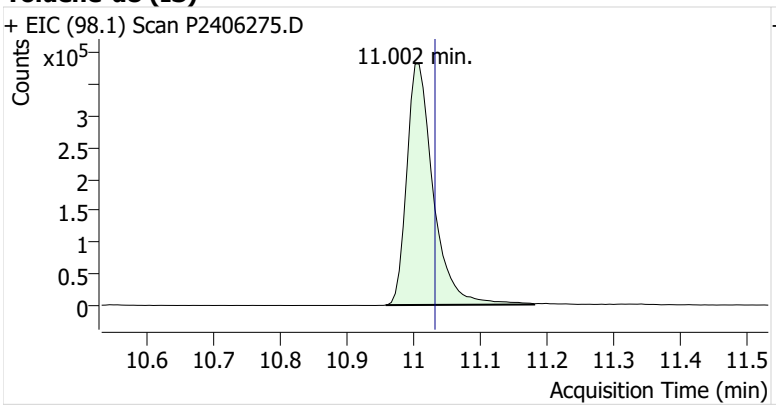


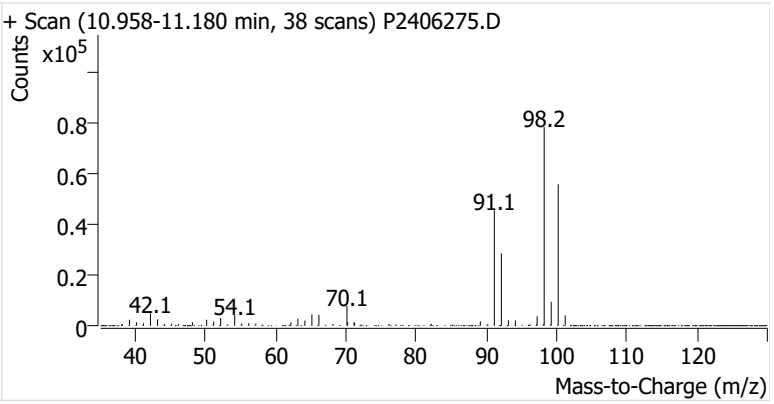
Benzene



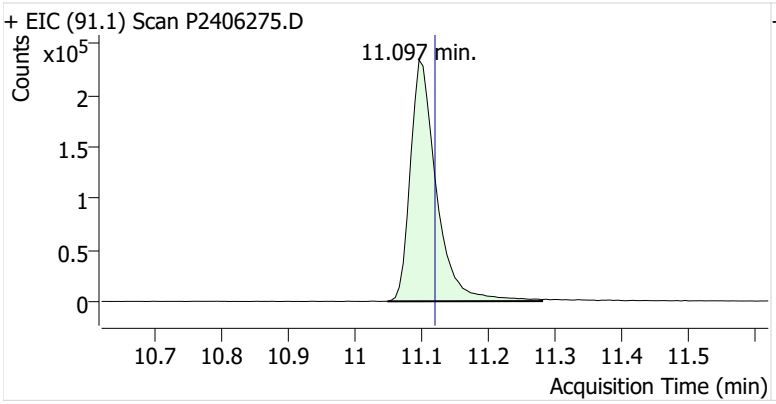


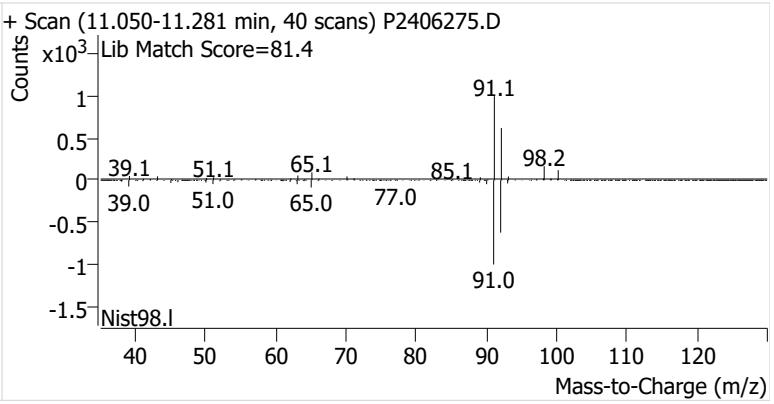
Toluene-d8 (IS)



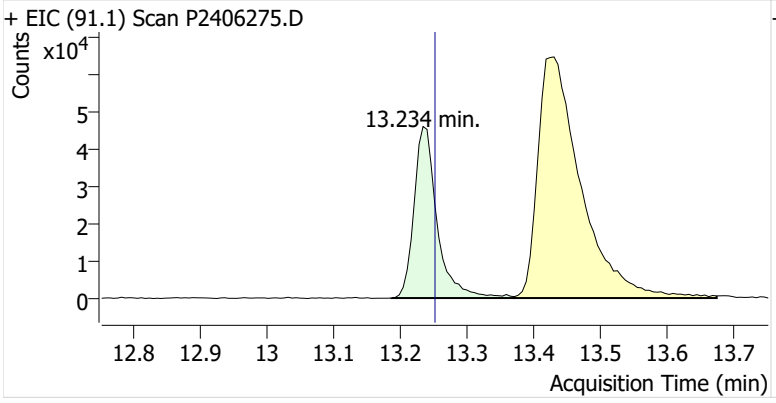


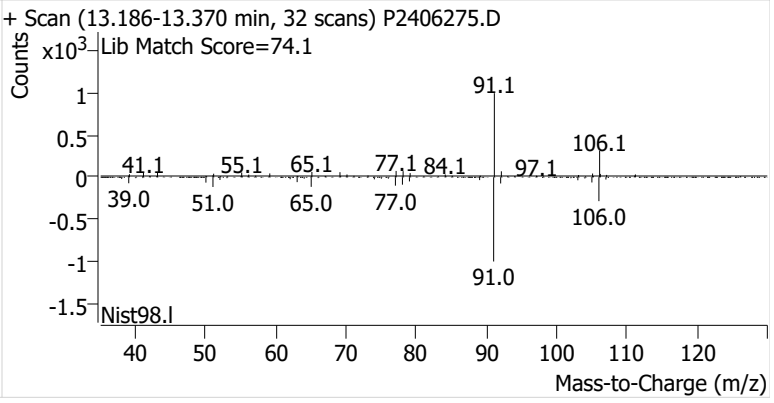
Toluene



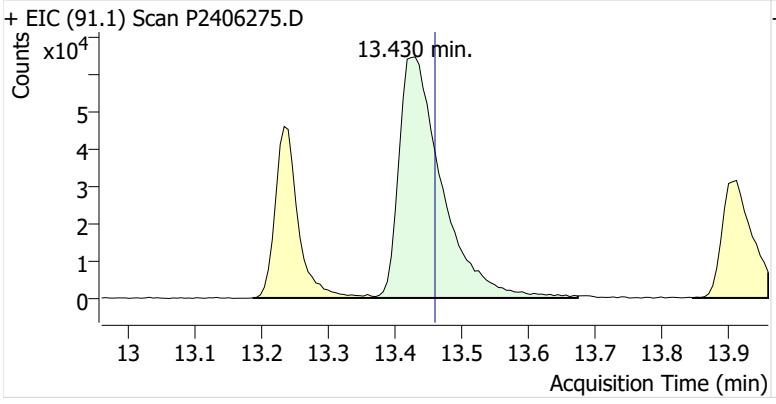


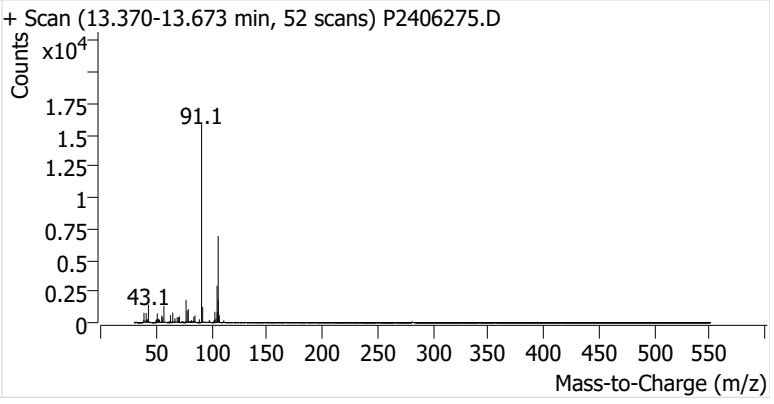
Ethylbenzene



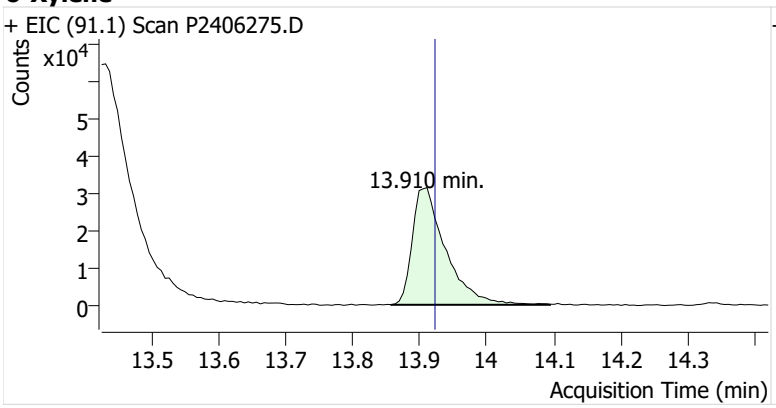


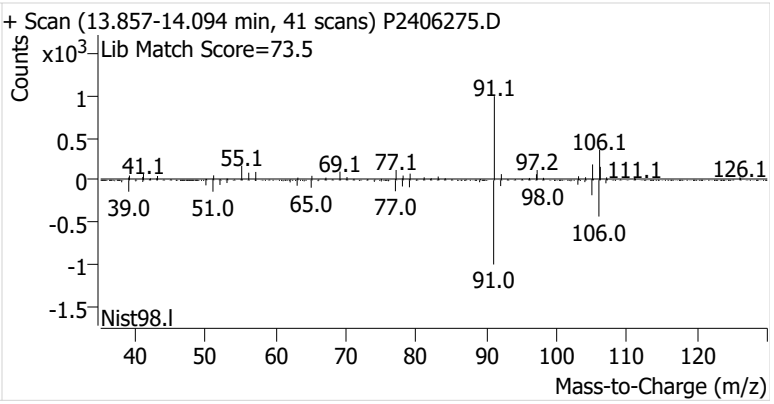
m-/p-Xylene





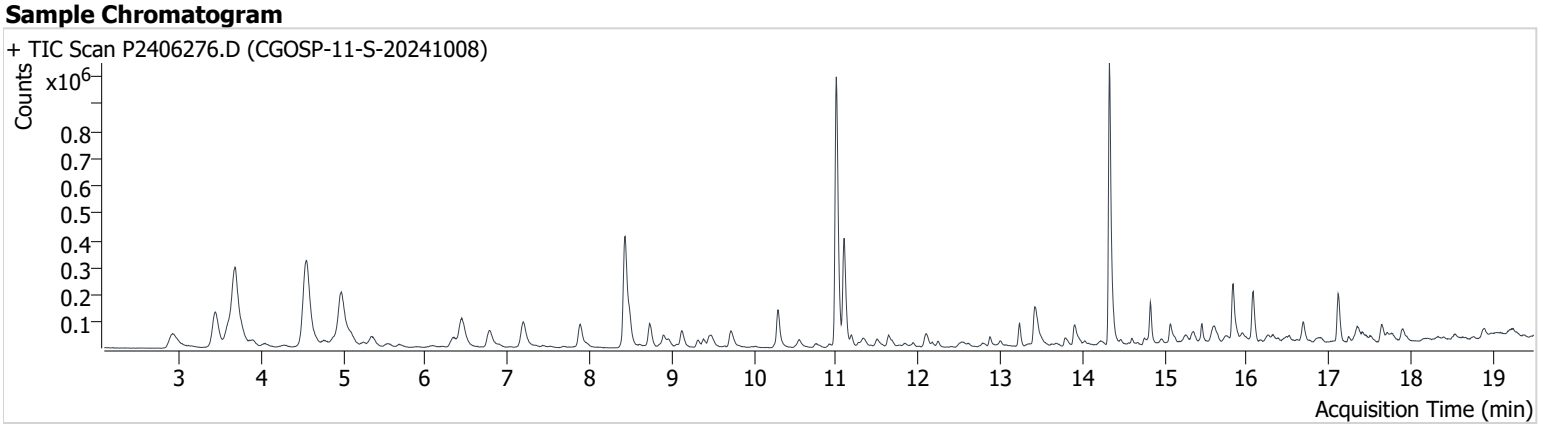
o-Xylene


+ EIC (91.1) Scan P2406275.D
Counts
x10^4
13.910 min.
Acquisition Time (min)


+ Scan (13.857-14.094 min, 41 scans) P2406275.D
Counts
x10^3
Lib Match Score=73.5
91.1
106.1
41.1
55.1
69.1
77.1
97.2
111.1
126.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
Mass-to-Charge (m/z)

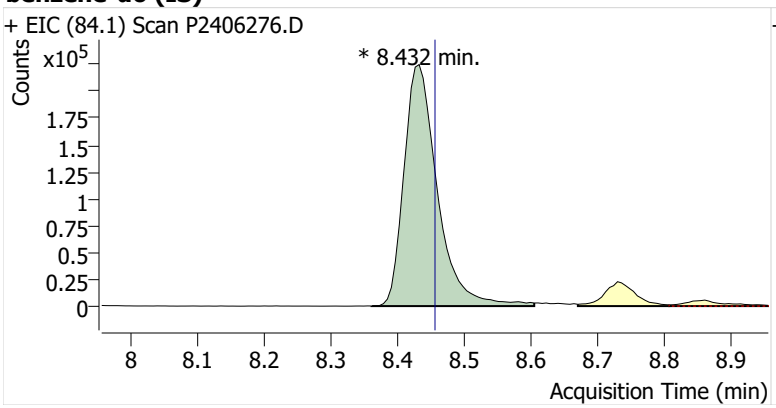
Name	CGOSP-11-S-20241008
Comment	C35897
Data File	P2406276.D
Acq. Date-Time	10/29/2024 12:26:53 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

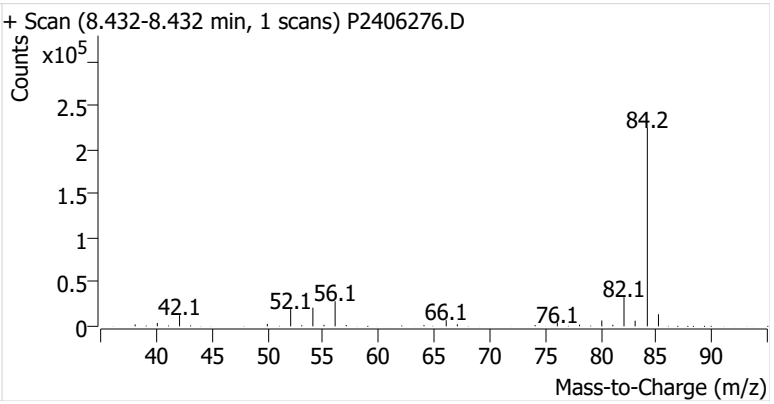
Sample Chromatogram



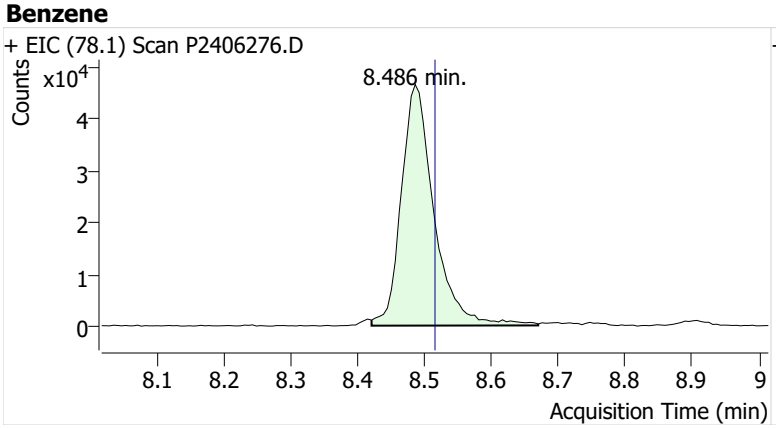
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.432	8.456	780,666	m
Benzene	benzene-d6 (IS)	8.486	8.515	158,308	
Toluene-d8 (IS)		11.002	11.032	1,080,548	
Toluene	Toluene-d8 (IS)	11.097	11.121	447,157	
Ethylbenzene	Toluene-d8 (IS)	13.234	13.252	87,116	
m-/p-Xylene	Toluene-d8 (IS)	13.418	13.459	222,612	
o-Xylene	Toluene-d8 (IS)	13.899	13.922	86,232	

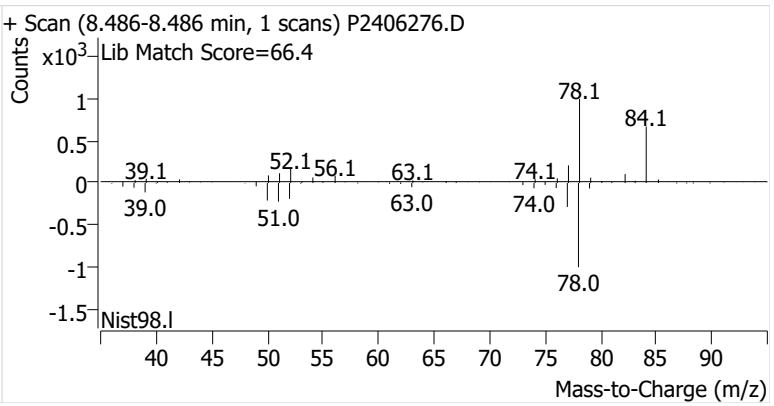
benzene-d6 (IS)



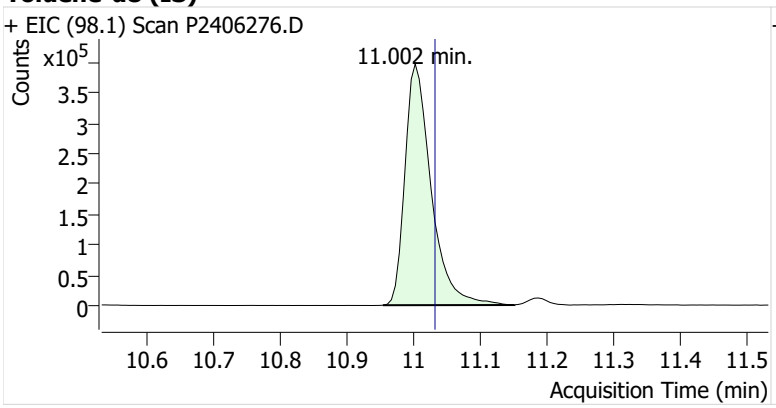


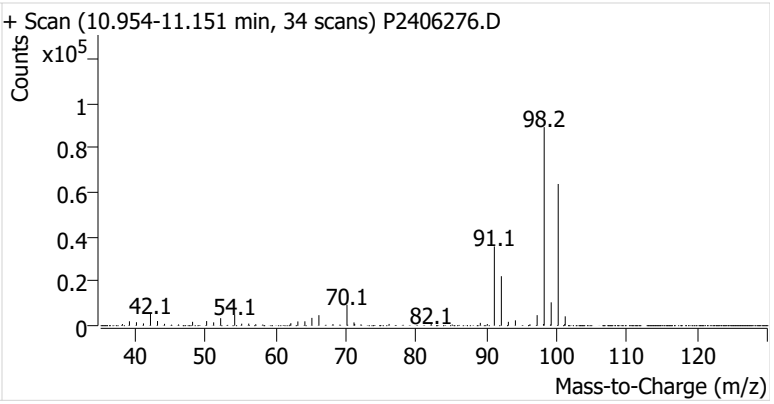
Benzene



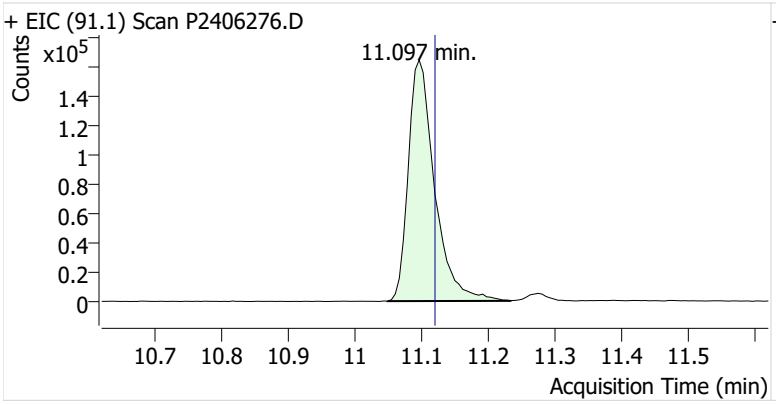


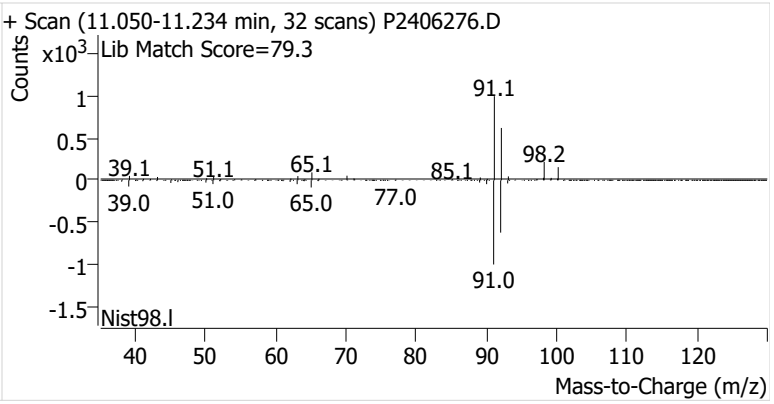
Toluene-d8 (IS)



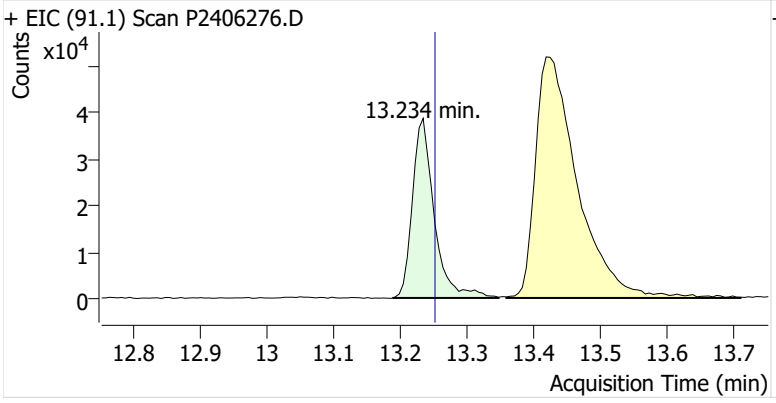


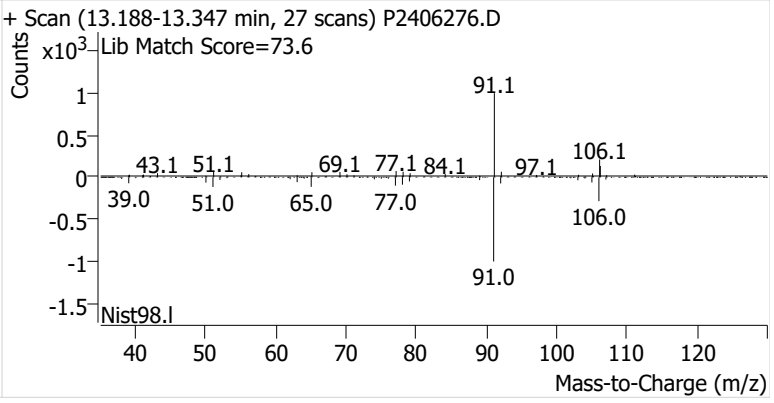
Toluene



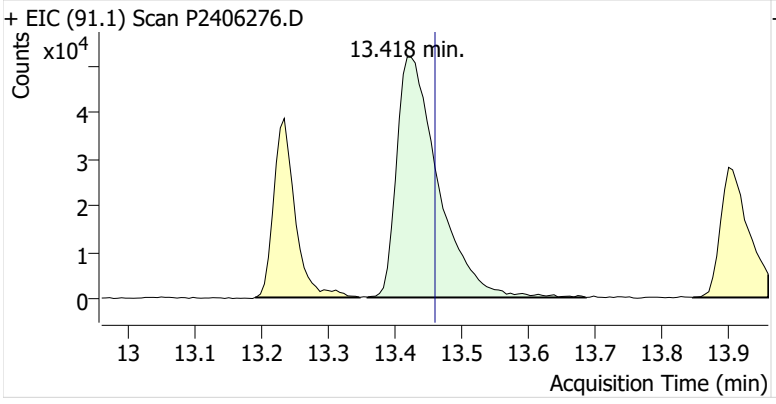


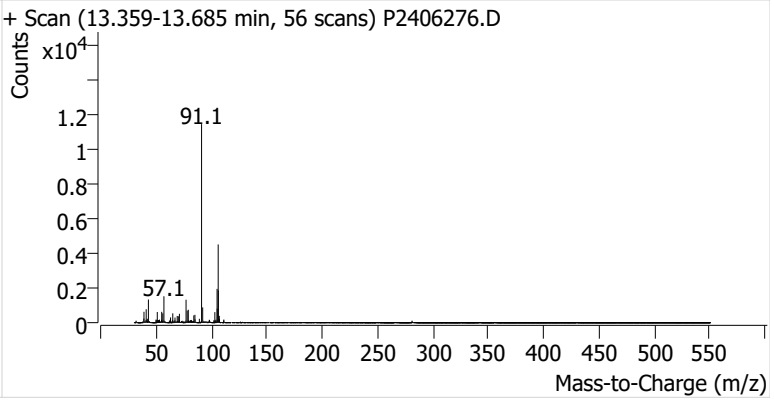
Ethylbenzene



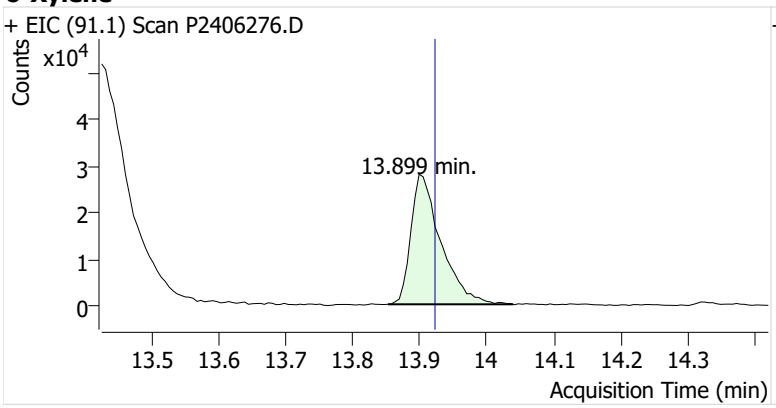


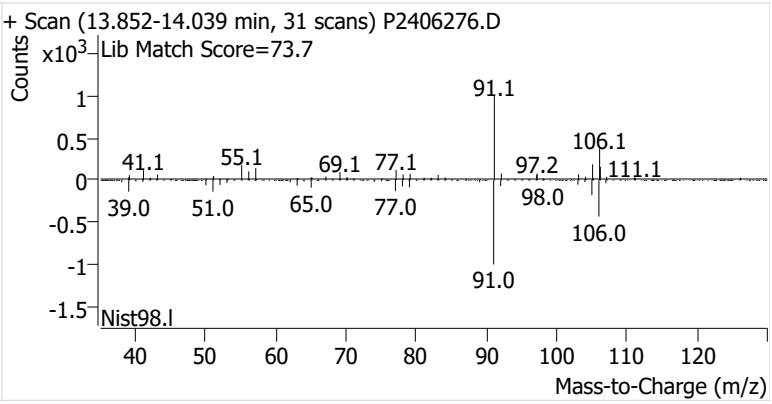
m-/p-Xylene





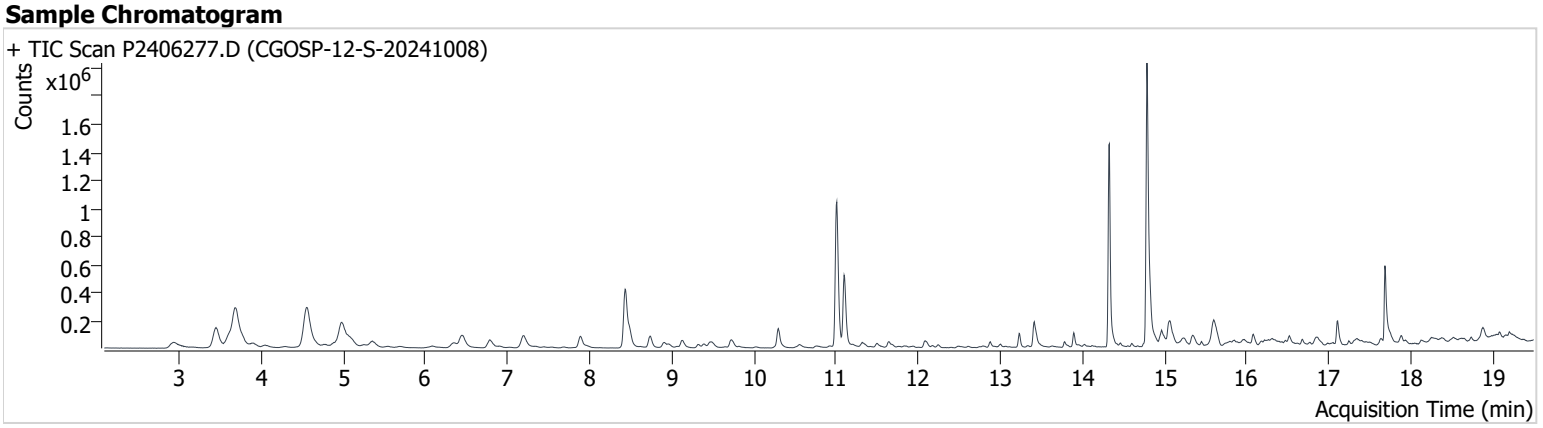
o-Xylene


+ EIC (91.1) Scan P2406276.D
Counts
x10^4
13.899 min.
Acquisition Time (min)


+ Scan (13.852-14.039 min, 31 scans) P2406276.D
Lib Match Score=73.7
Counts
x10^3
91.1
106.1
41.1
55.1
69.1
77.1
97.2
111.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
Mass-to-Charge (m/z)

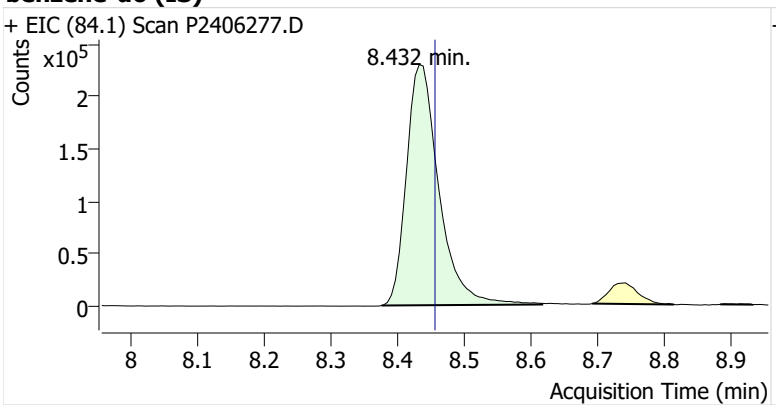
Name	CGOSP-12-S-20241008
Comment	B45048
Data File	P2406277.D
Acq. Date-Time	10/29/2024 1:04:11 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

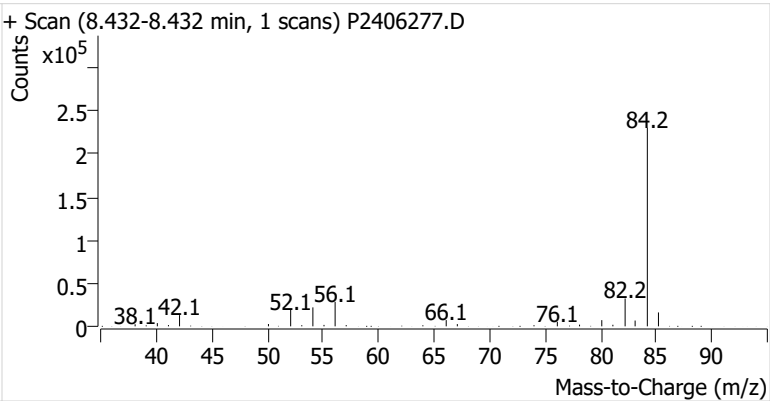
Sample Chromatogram



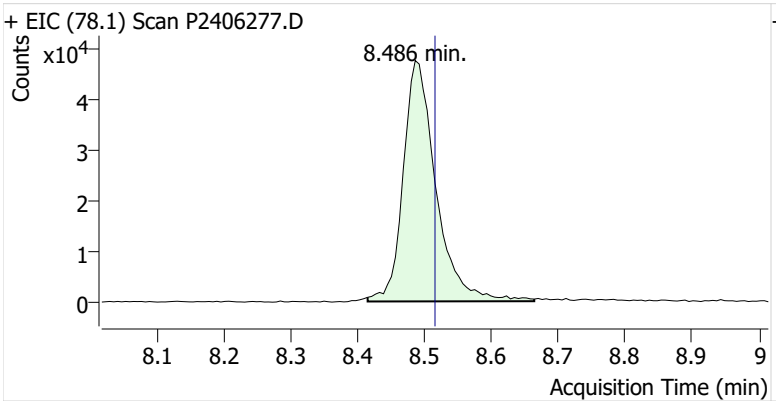
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.432	8.456	774,922	
Benzene	benzene-d6 (IS)	8.486	8.515	161,252	
Toluene-d8 (IS)		11.008	11.032	1,119,102	
Toluene	Toluene-d8 (IS)	11.097	11.121	549,563	
Ethylbenzene	Toluene-d8 (IS)	13.228	13.252	86,065	
m-/p-Xylene	Toluene-d8 (IS)	13.412	13.459	198,812	
o-Xylene	Toluene-d8 (IS)	13.893	13.922	80,533	

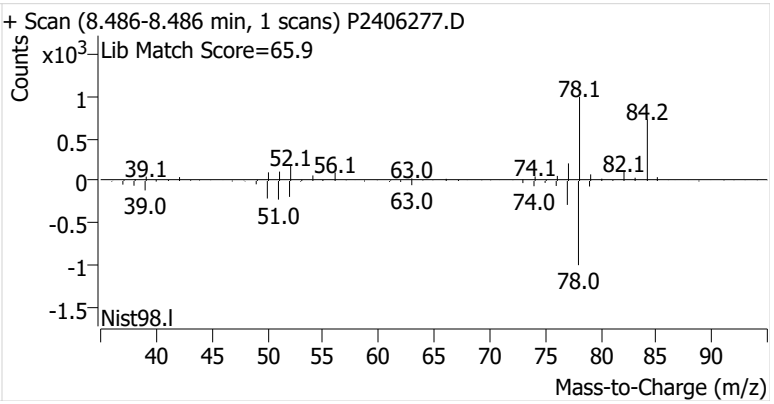
benzene-d6 (IS)



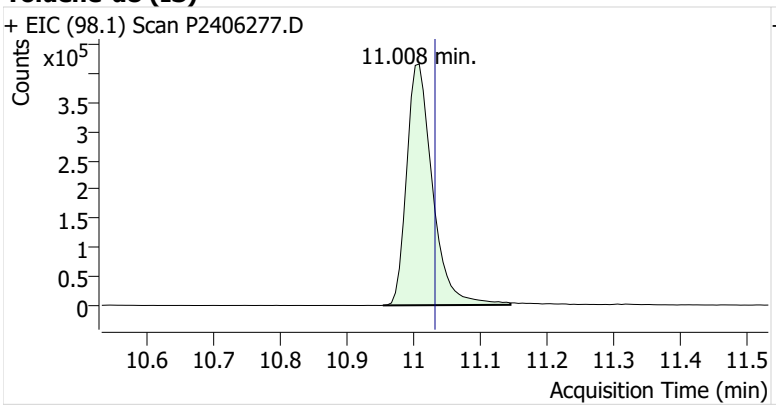


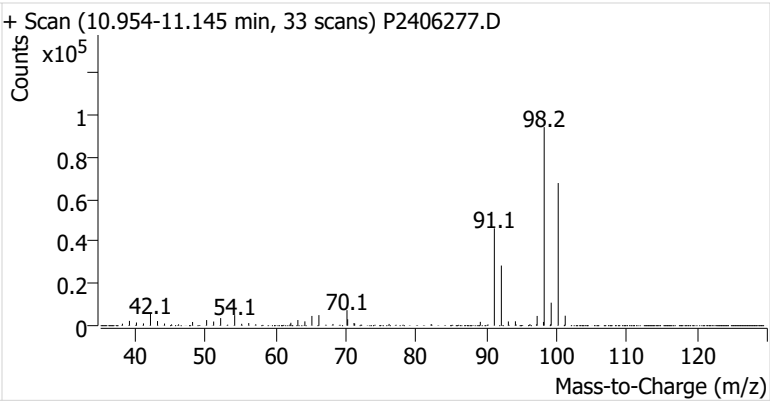
Benzene



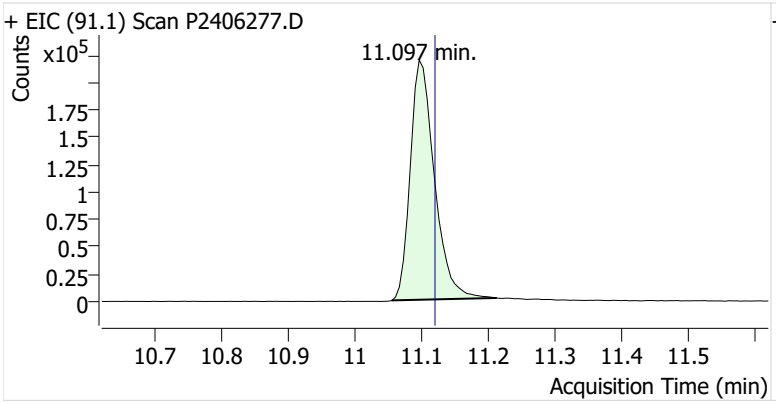


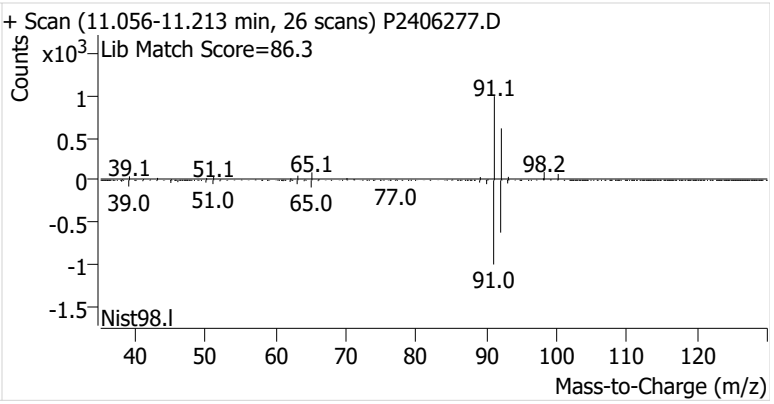
Toluene-d8 (IS)



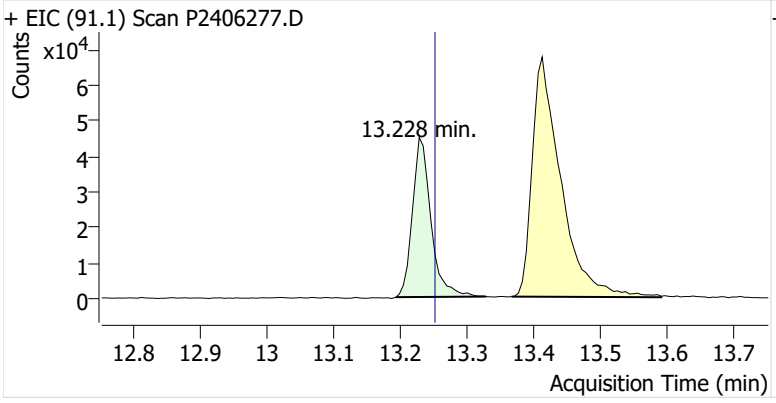


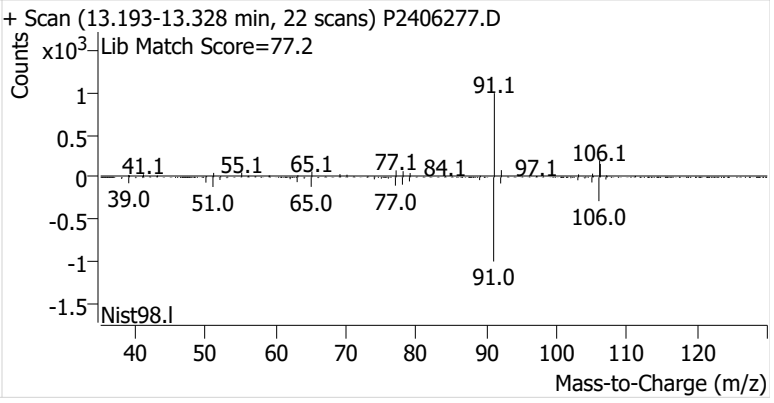
Toluene



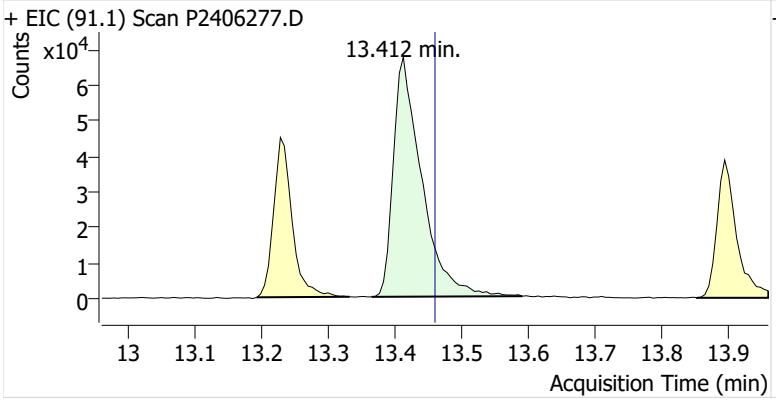


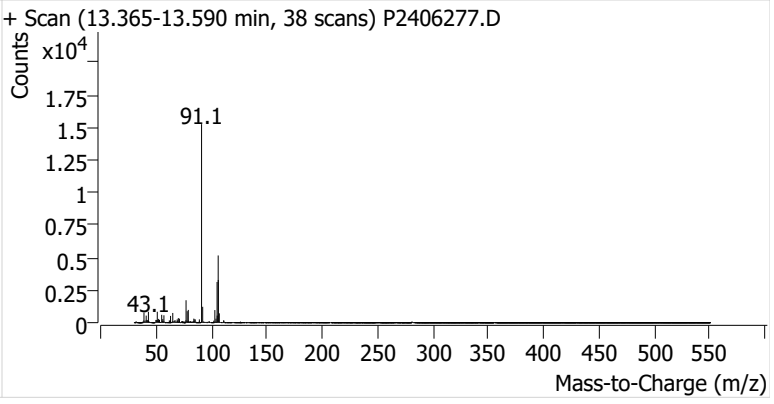
Ethylbenzene



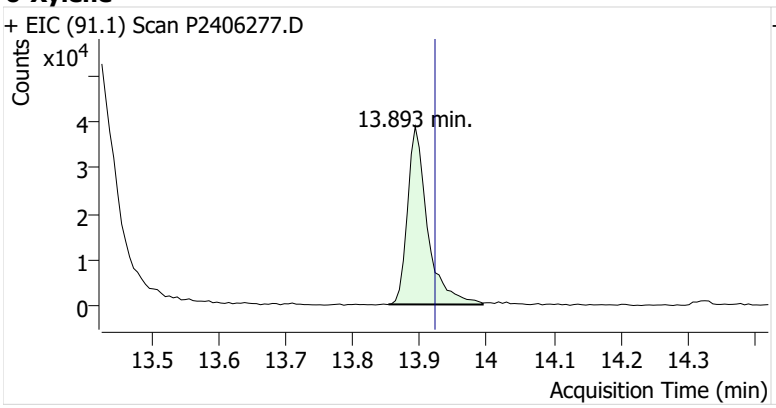


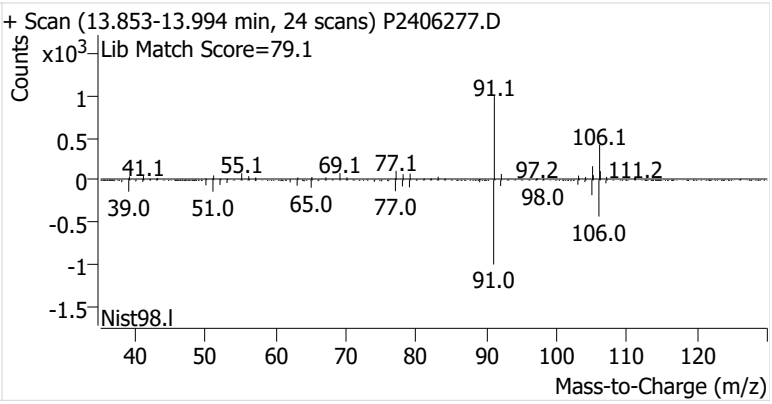
m-/p-Xylene





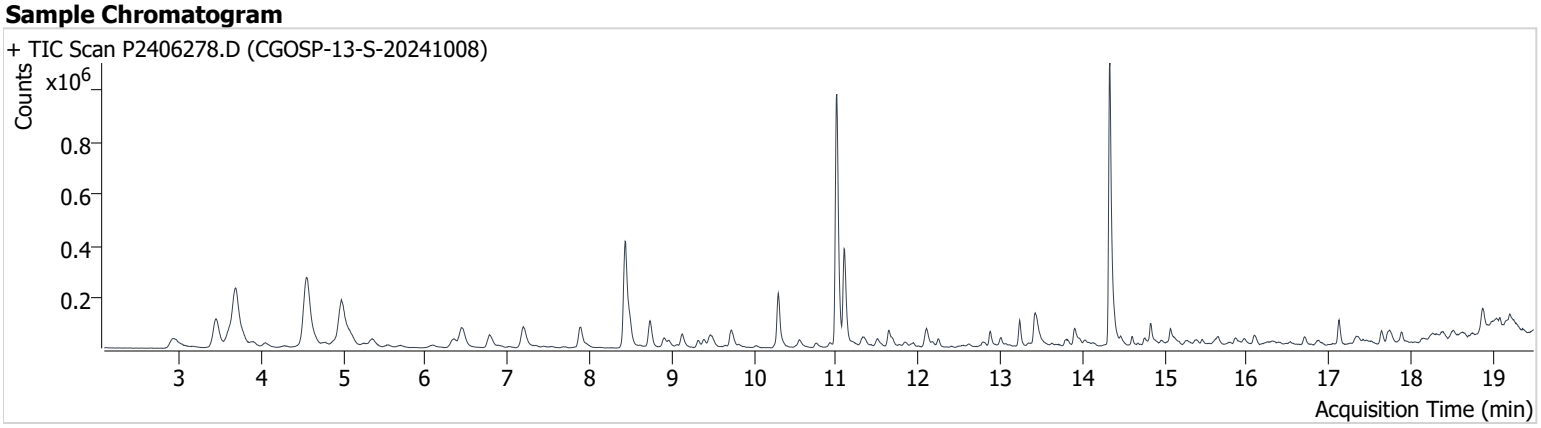
o-Xylene


+ EIC (91.1) Scan P2406277.D
Counts
x10^4
13.893 min.
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3
Acquisition Time (min)


+ Scan (13.853-13.994 min, 24 scans) P2406277.D
Counts
x10^3
Lib Match Score=79.1
91.1
106.1
41.1
55.1
69.1
77.1
97.2
111.2
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

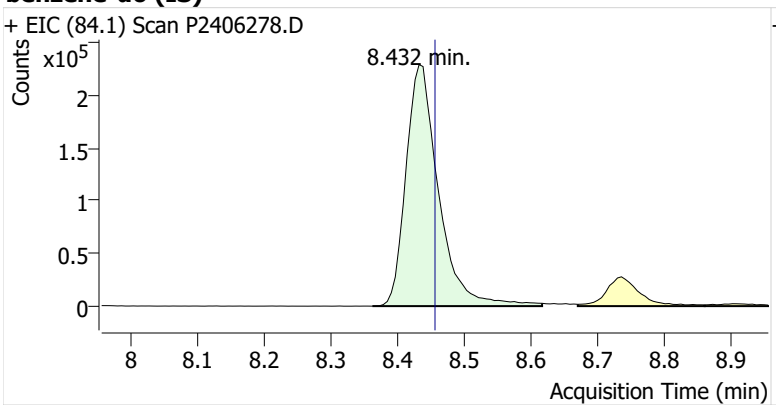
Name	CGOSP-13-S-20241008
Comment	C01822
Data File	P2406278.D
Acq. Date-Time	10/29/2024 1:41:27 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

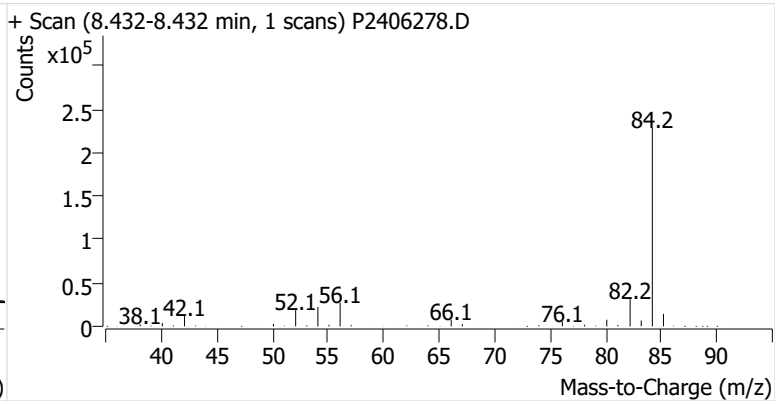
Sample Chromatogram



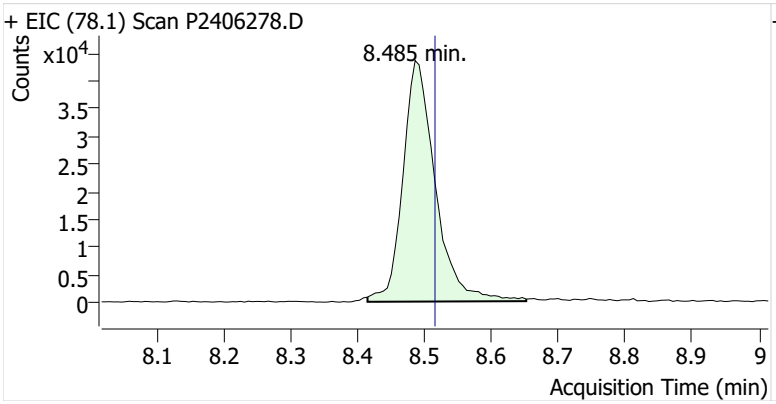
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.432	8.456	774,981	
Benzene	benzene-d6 (IS)	8.485	8.515	146,901	
Toluene-d8 (IS)		11.008	11.032	1,086,875	
Toluene	Toluene-d8 (IS)	11.103	11.121	429,372	
Ethylbenzene	Toluene-d8 (IS)	13.234	13.252	97,515	
m-/p-Xylene	Toluene-d8 (IS)	13.424	13.459	199,127	
o-Xylene	Toluene-d8 (IS)	13.910	13.922	85,235	

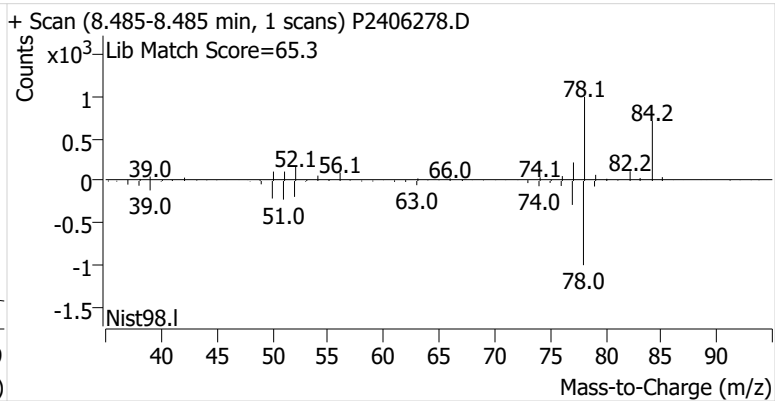
benzene-d6 (IS)



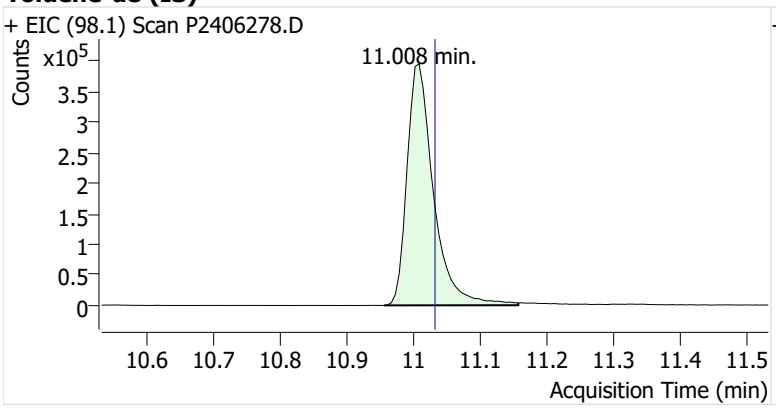


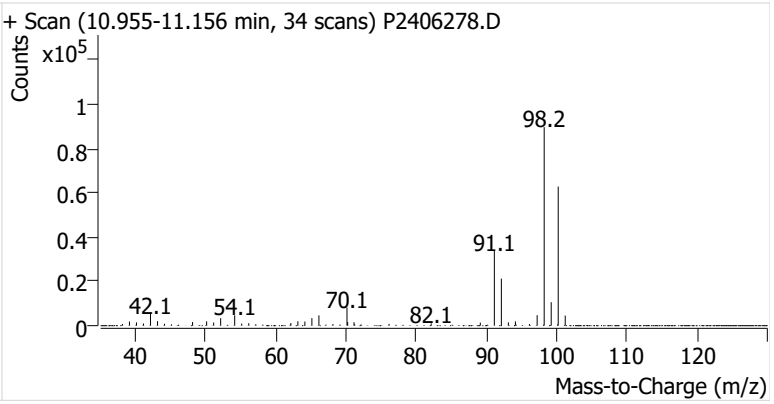
Benzene



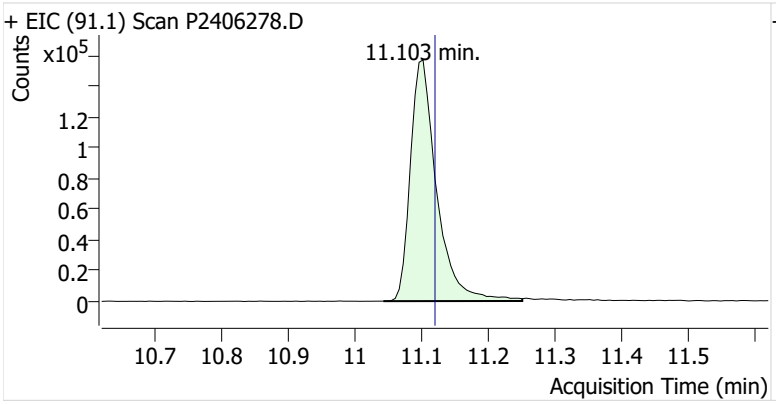


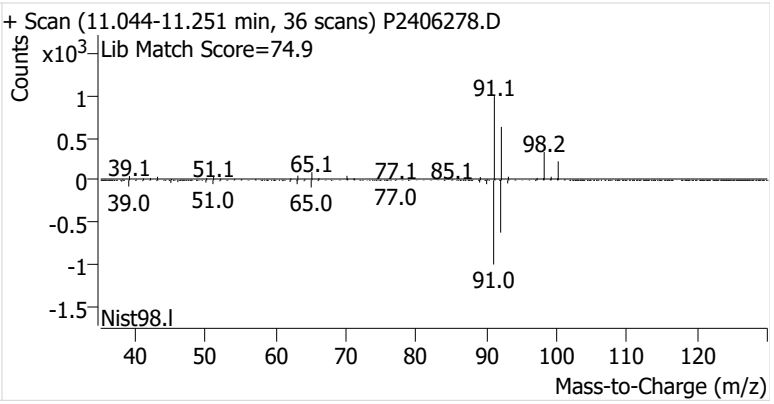
Toluene-d8 (IS)



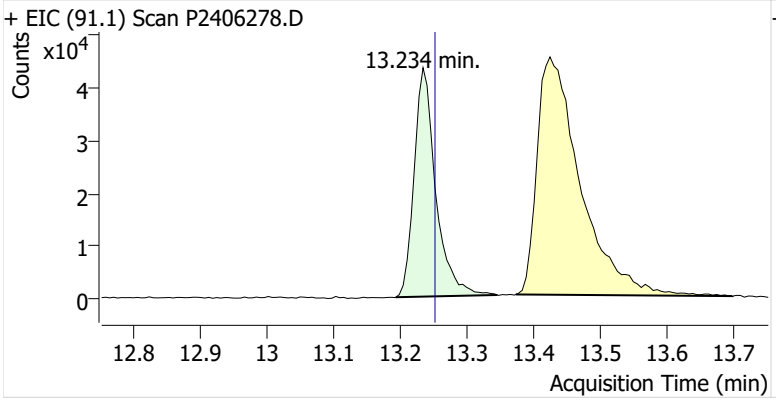


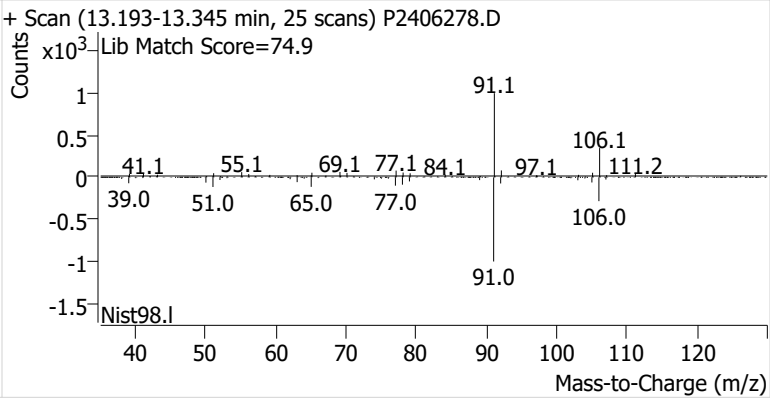
Toluene



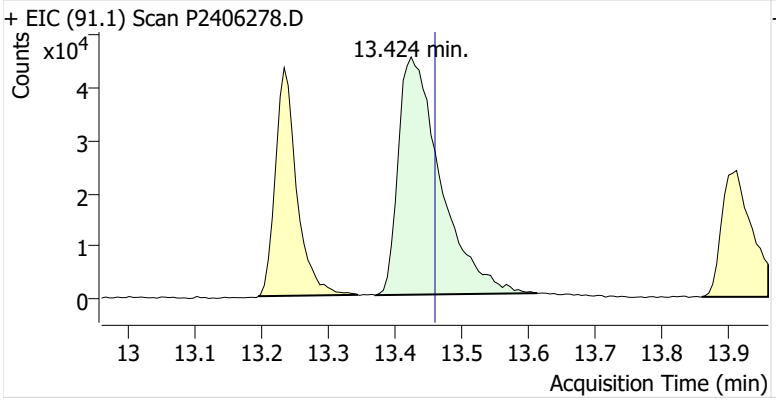


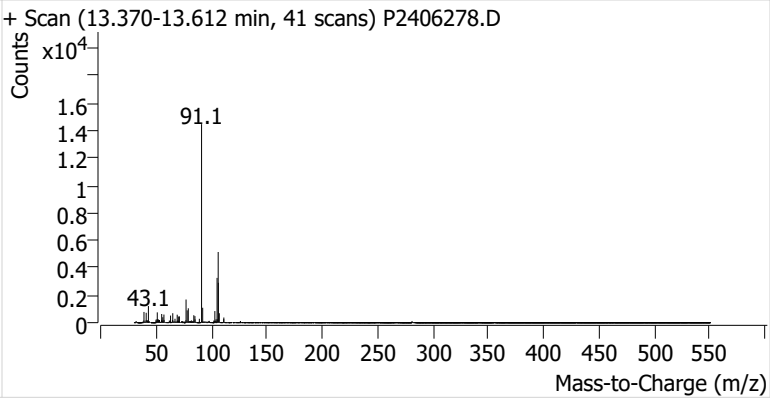
Ethylbenzene



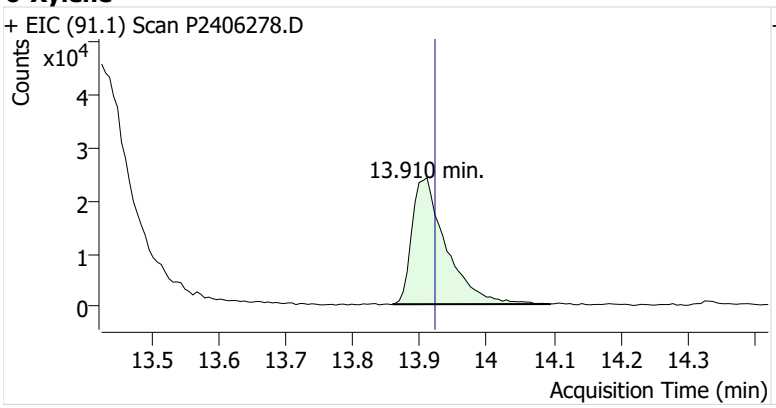


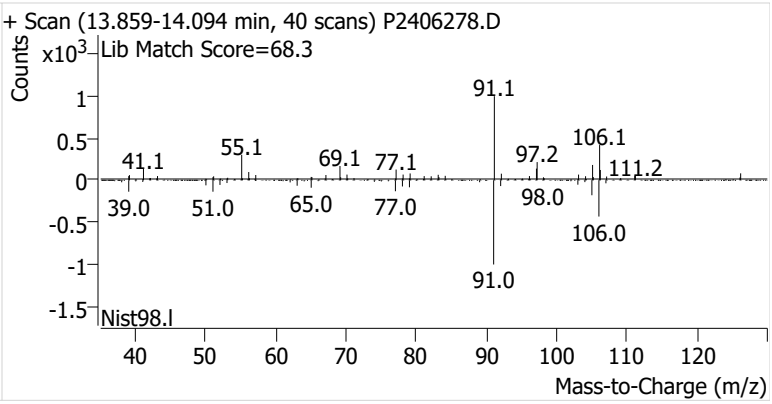
m-/p-Xylene





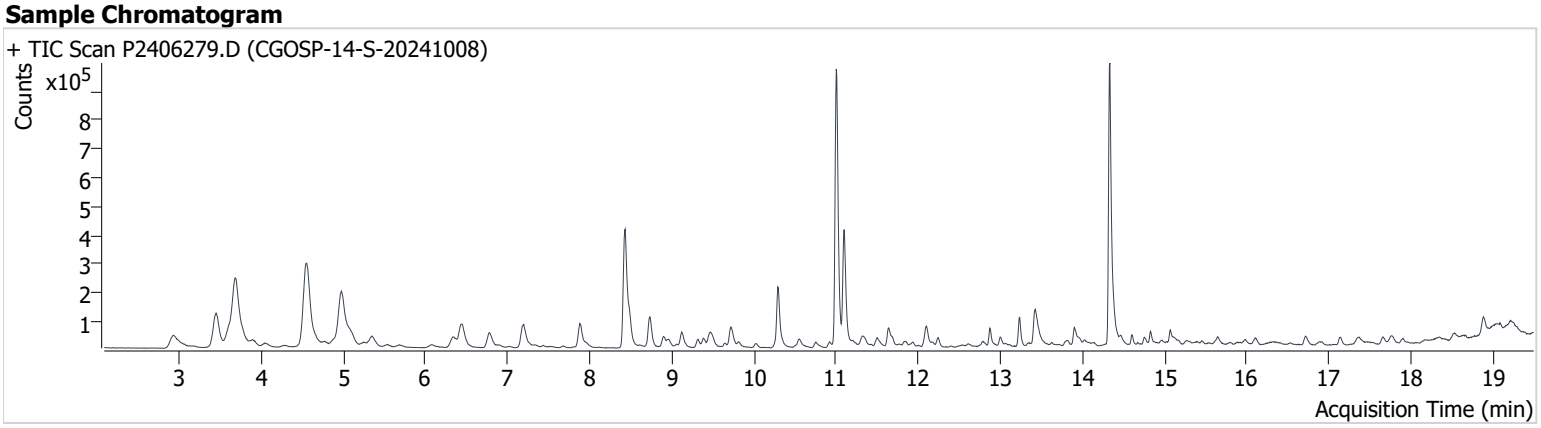
o-Xylene


+ EIC (91.1) Scan P2406278.D
Counts
x10^4
4
3
2
1
0
13.910 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.859-14.094 min, 40 scans) P2406278.D
Lib Match Score=68.3
Counts
x10^3
1
0.5
0
-0.5
-1
-1.5
91.1
106.1
41.1
55.1
69.1
77.1
97.2
111.2
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

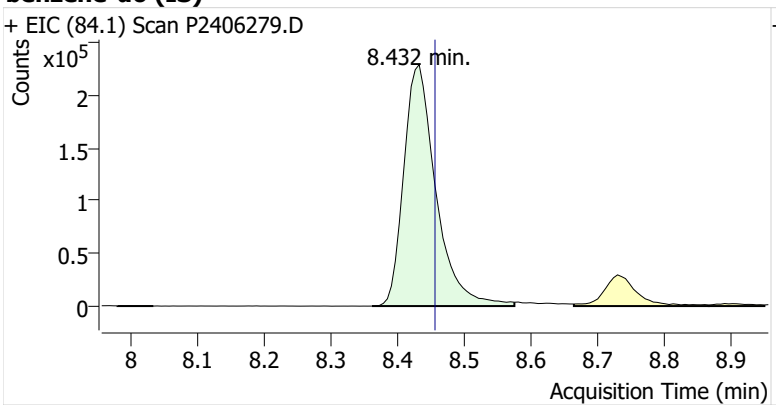
Name	CGOSP-14-S-20241008
Comment	B27341
Data File	P2406279.D
Acq. Date-Time	10/29/2024 2:18:45 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

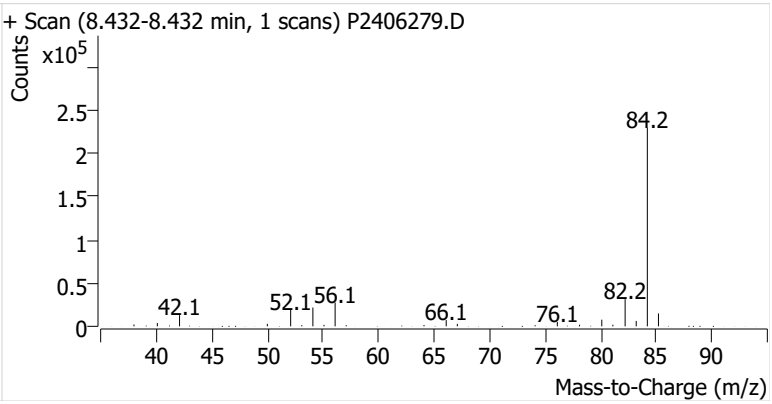
Sample Chromatogram



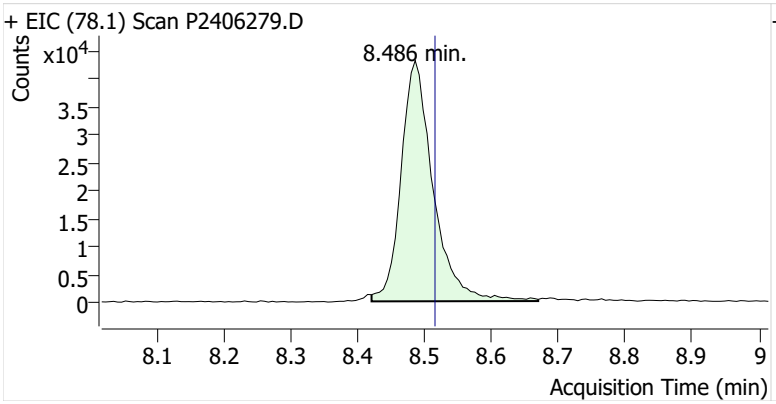
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.432	8.456	765,824	
Benzene	benzene-d6 (IS)	8.486	8.515	144,231	
Toluene-d8 (IS)		11.002	11.032	1,048,047	
Toluene	Toluene-d8 (IS)	11.097	11.121	456,223	
Ethylbenzene	Toluene-d8 (IS)	13.234	13.252	103,774	
m-/p-Xylene	Toluene-d8 (IS)	13.418	13.459	196,969	
o-Xylene	Toluene-d8 (IS)	13.905	13.922	80,335	

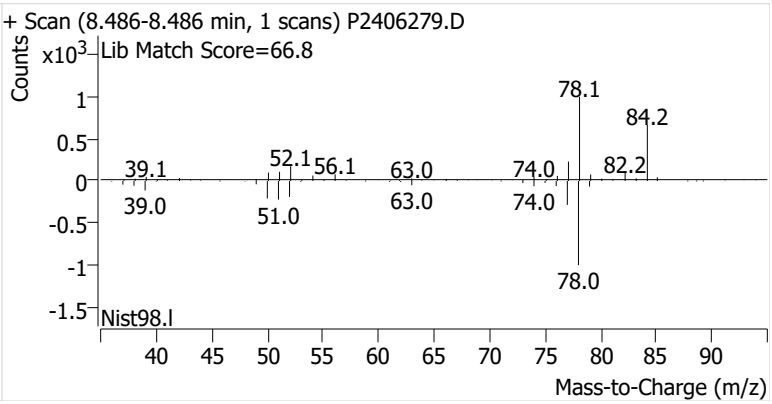
benzene-d6 (IS)



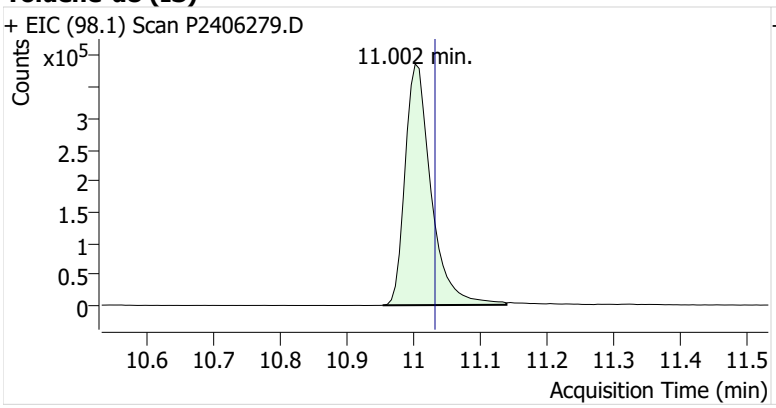


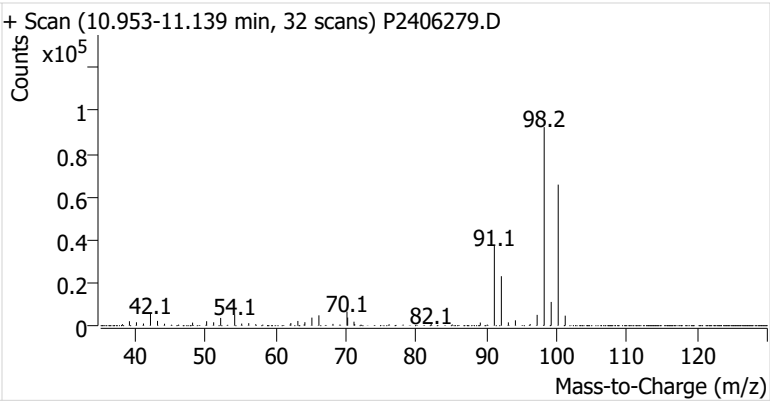
Benzene



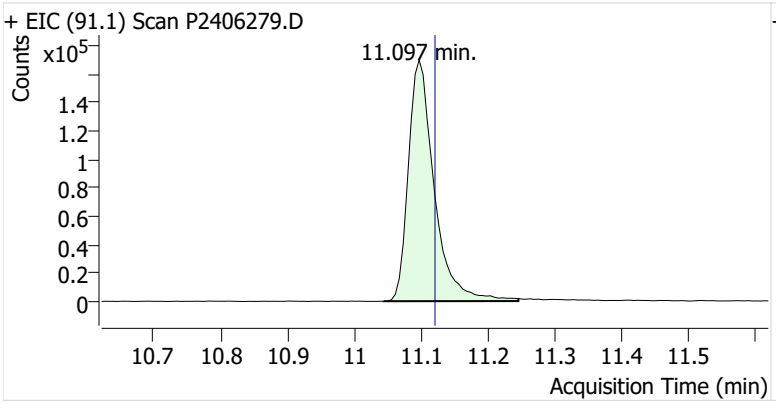


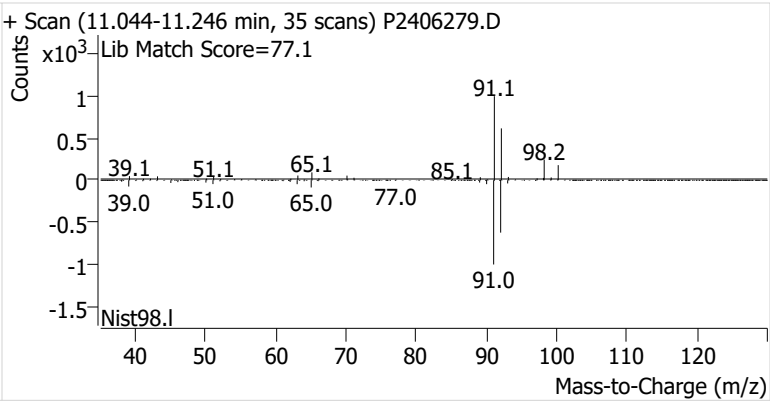
Toluene-d8 (IS)



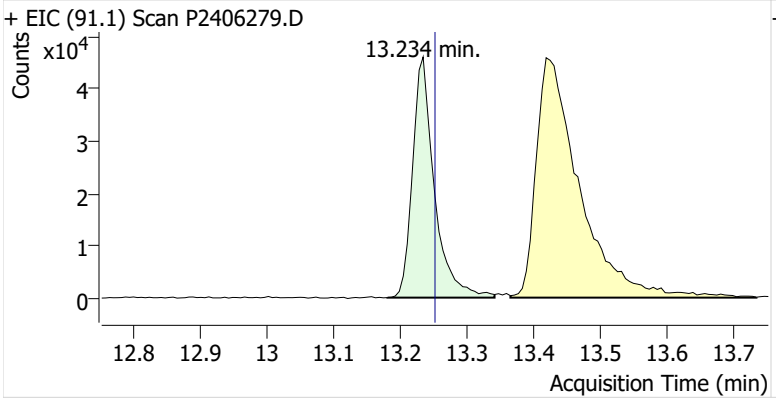


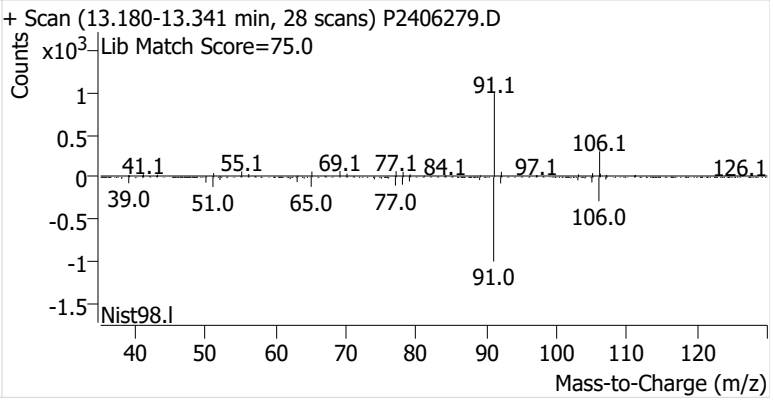
Toluene



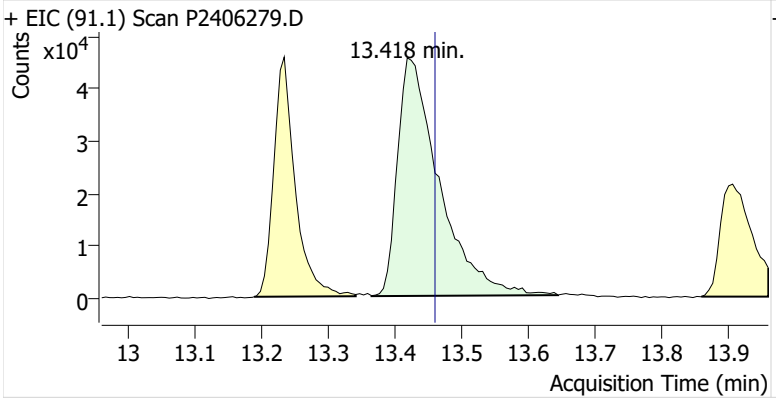


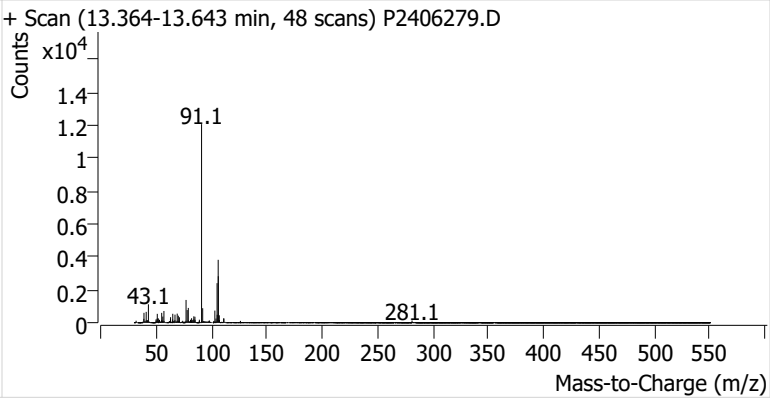
Ethylbenzene



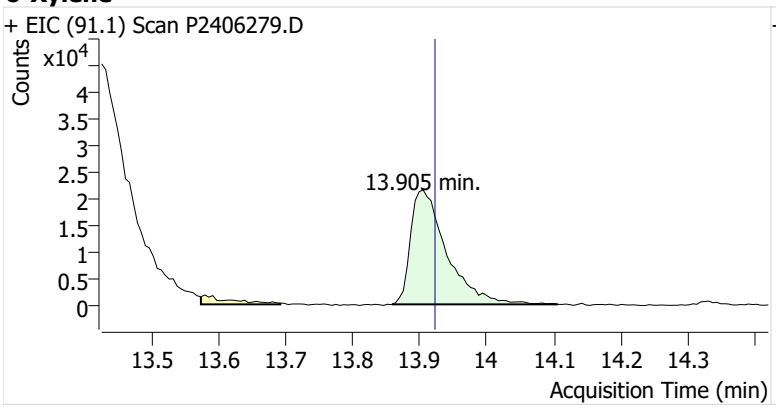


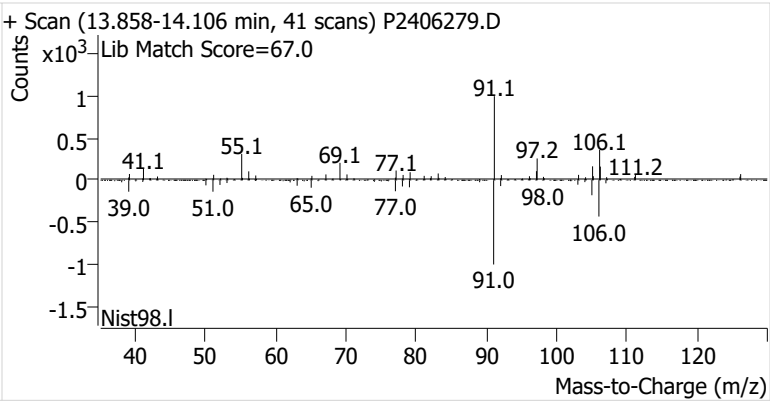
m-/p-Xylene





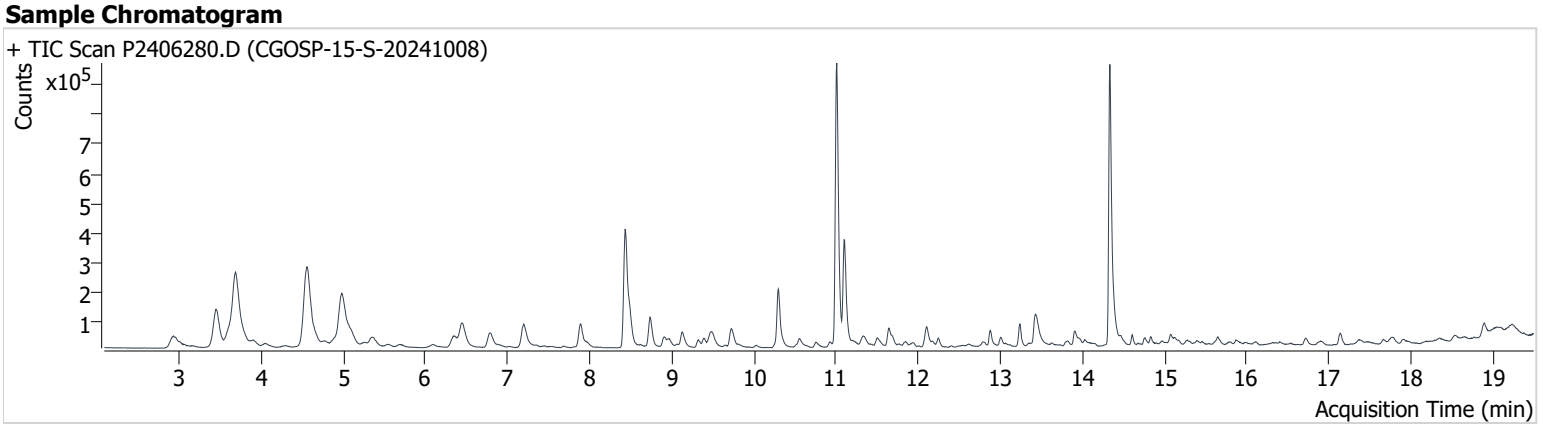
o-Xylene


+ EIC (91.1) Scan P2406279.D
Counts
x10^4
4
3.5
3
2.5
2
1.5
1
0.5
0
13.905 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.858-14.106 min, 41 scans) P2406279.D
Counts
x10^3
Lib Match Score=67.0
1
0.5
0
-0.5
-1
-1.5
91.1
41.1
55.1
69.1
77.1
97.2
106.1
111.2
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

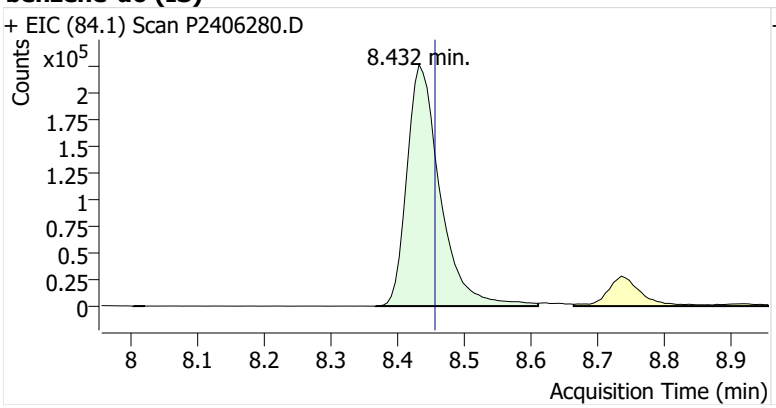
Name	CGOSP-15-S-20241008
Comment	B50943
Data File	P2406280.D
Acq. Date-Time	10/29/2024 2:56:05 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

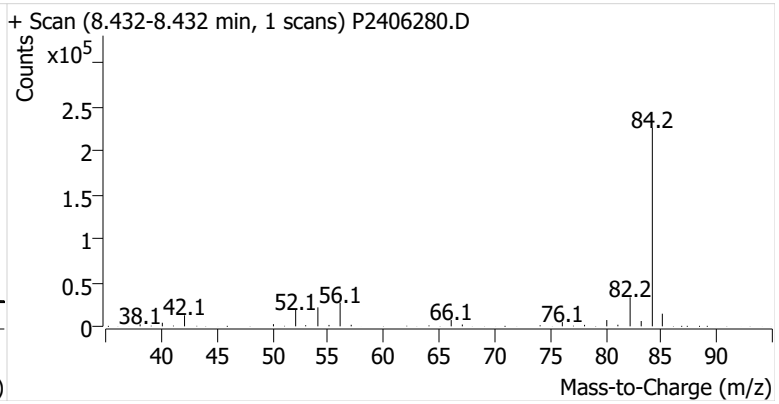
Sample Chromatogram



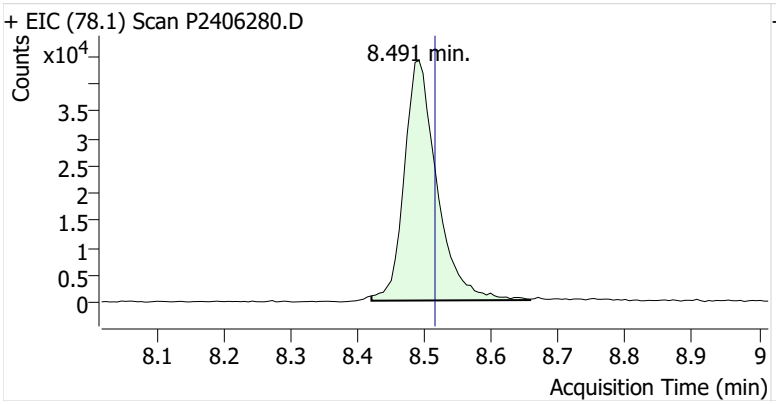
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.432	8.456	777,249	
Benzene	benzene-d6 (IS)	8.491	8.515	149,808	
Toluene-d8 (IS)		11.008	11.032	1,073,454	
Toluene	Toluene-d8 (IS)	11.103	11.121	417,438	
Ethylbenzene	Toluene-d8 (IS)	13.240	13.252	80,272	
m-/p-Xylene	Toluene-d8 (IS)	13.430	13.459	178,909	
o-Xylene	Toluene-d8 (IS)	13.910	13.922	67,326	

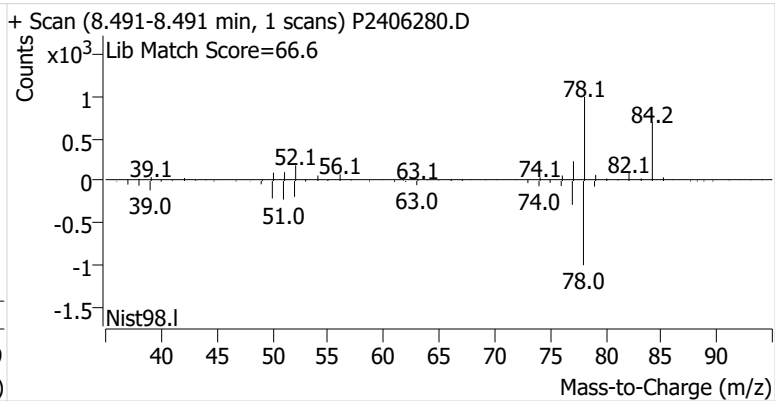
benzene-d6 (IS)



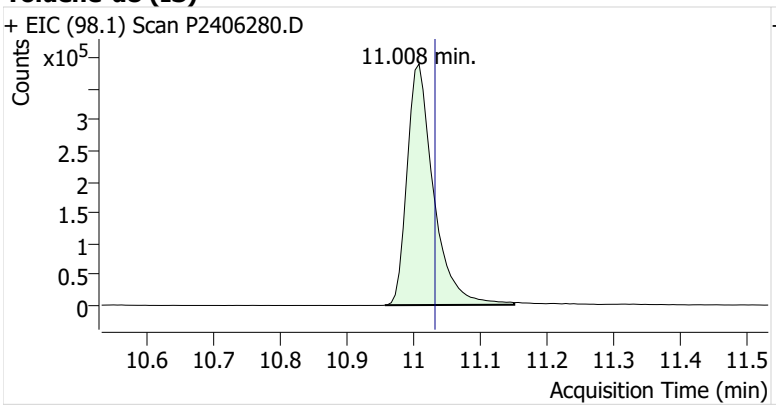


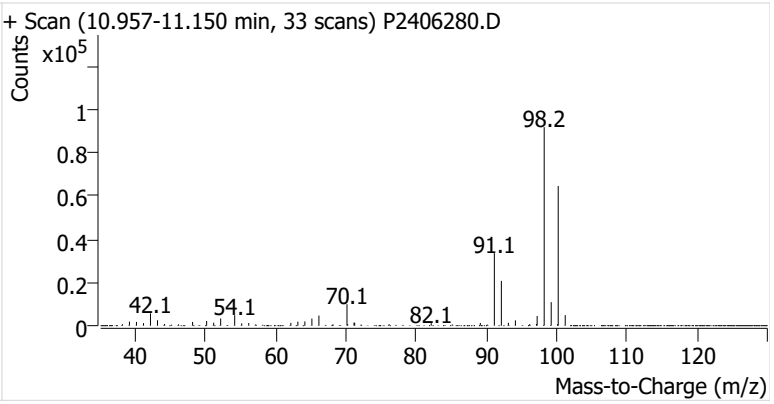
Benzene



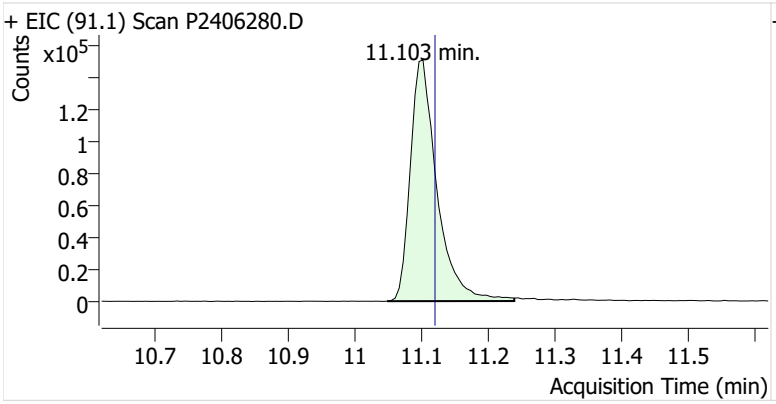


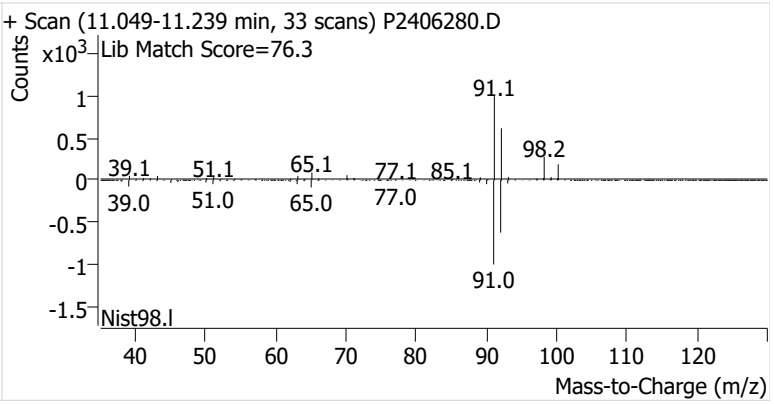
Toluene-d8 (IS)



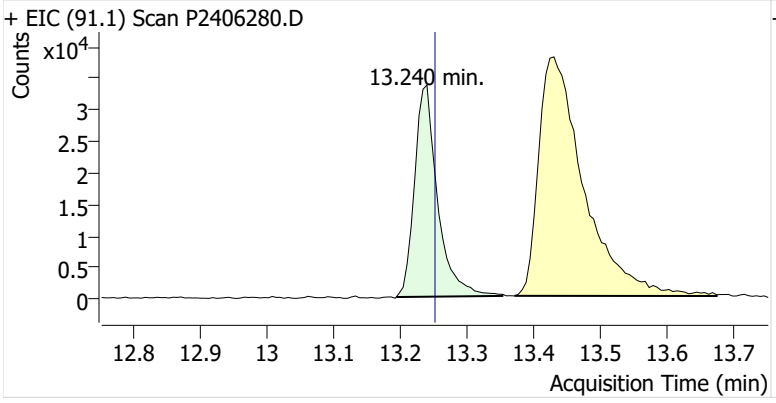


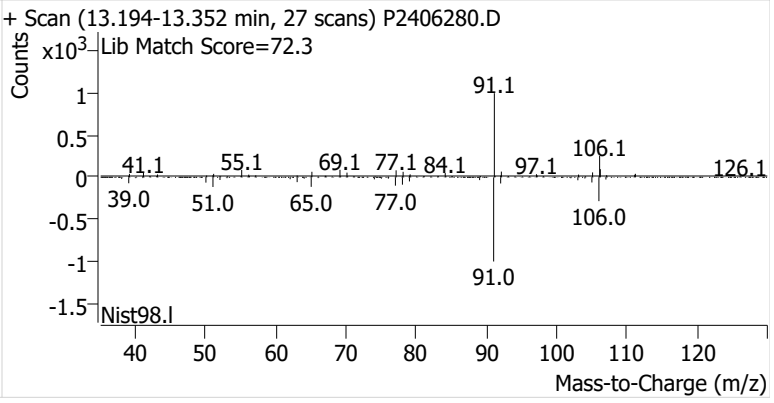
Toluene



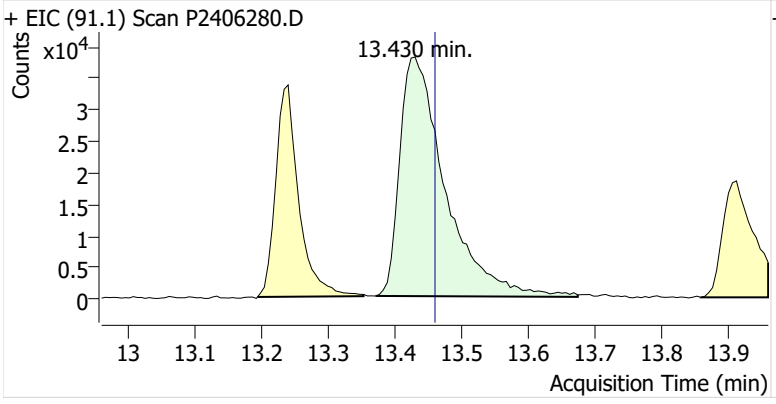


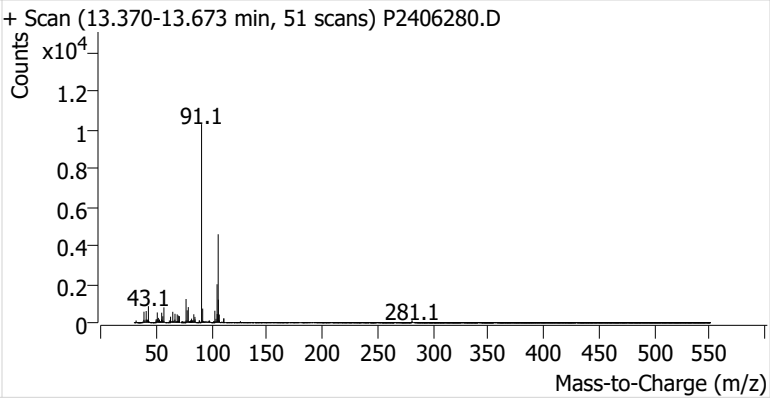
Ethylbenzene



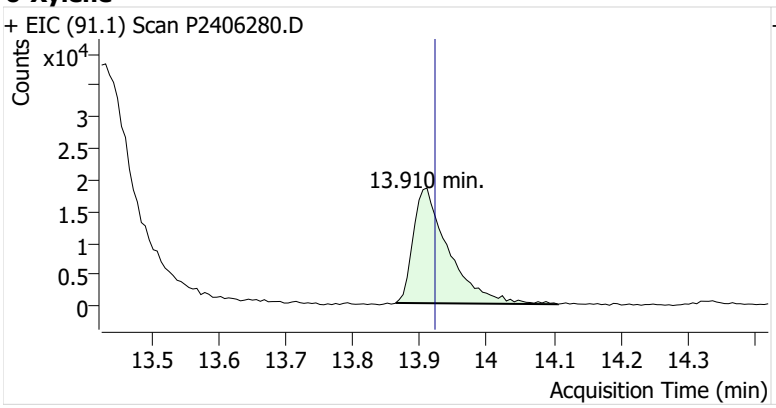


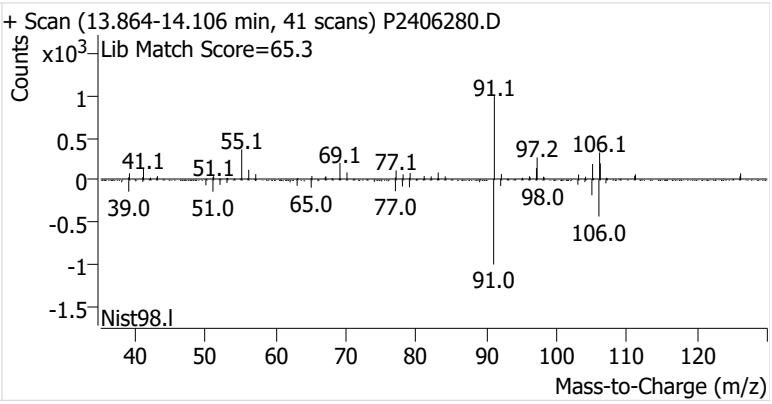
m-/p-Xylene





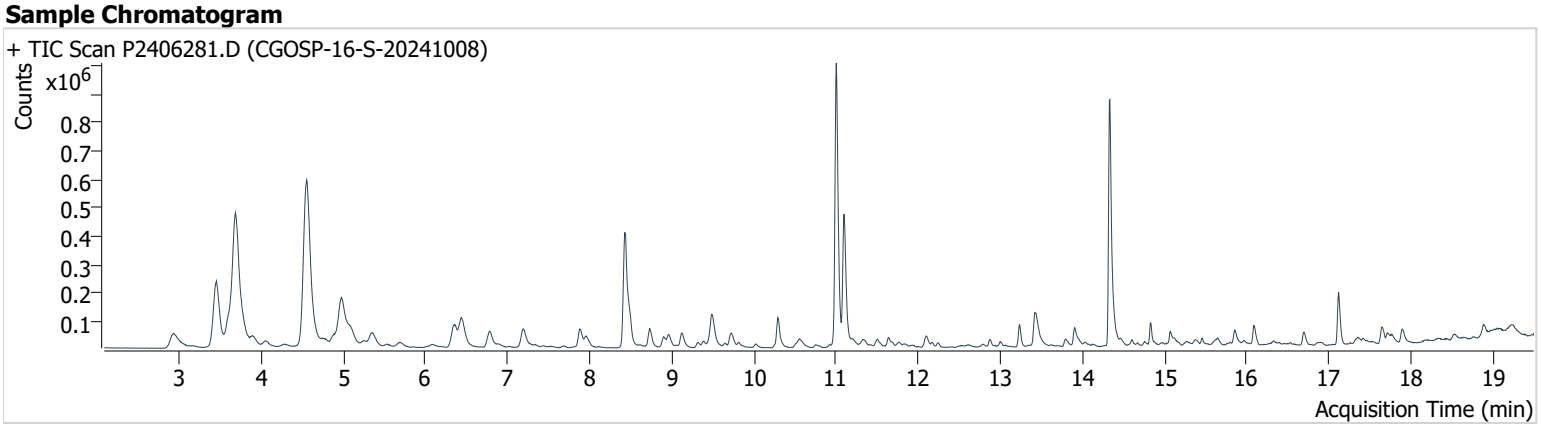
o-Xylene


+ EIC (91.1) Scan P2406280.D
Counts
x10^4
3
2.5
2
1.5
1
0.5
0
13.910 min.
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3
Acquisition Time (min)


+ Scan (13.864-14.106 min, 41 scans) P2406280.D
Counts
x10^3
Lib Match Score=65.3
1
0.5
0
-0.5
-1
-1.5
91.1
55.1
41.1
51.1
69.1
77.1
97.2
106.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

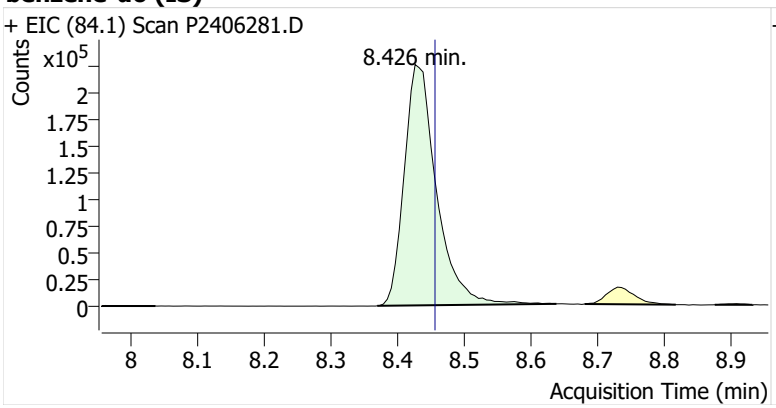
Name	CGOSP-16-S-20241008
Comment	C36943
Data File	P2406281.D
Acq. Date-Time	10/29/2024 3:33:23 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

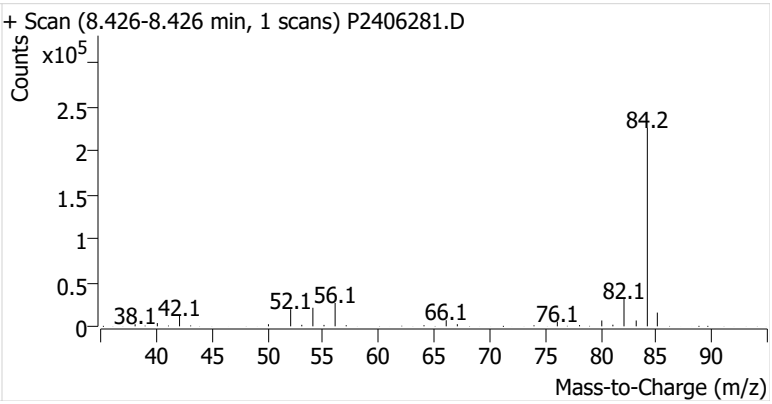
Sample Chromatogram



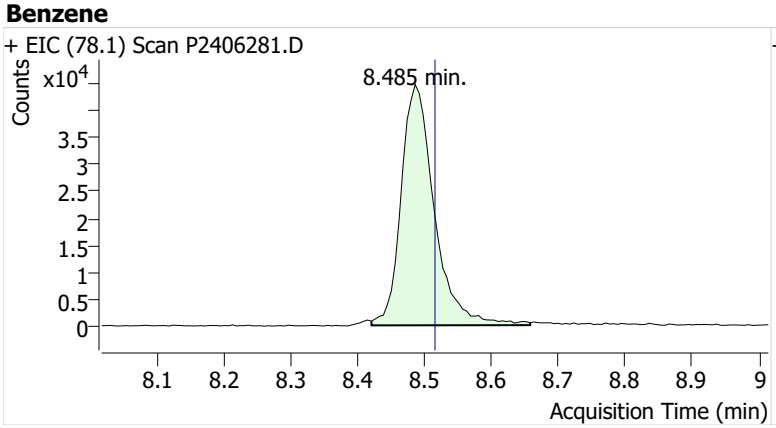
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.426	8.456	757,199	
Benzene	benzene-d6 (IS)	8.485	8.515	154,165	
Toluene-d8 (IS)		11.002	11.032	1,070,489	
Toluene	Toluene-d8 (IS)	11.097	11.121	505,882	
Ethylbenzene	Toluene-d8 (IS)	13.234	13.252	82,615	
m-/p-Xylene	Toluene-d8 (IS)	13.430	13.459	200,607	
o-Xylene	Toluene-d8 (IS)	13.904	13.922	85,111	

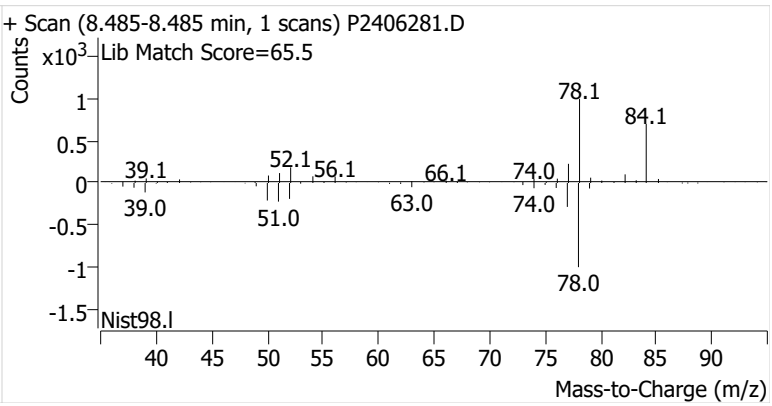
benzene-d6 (IS)



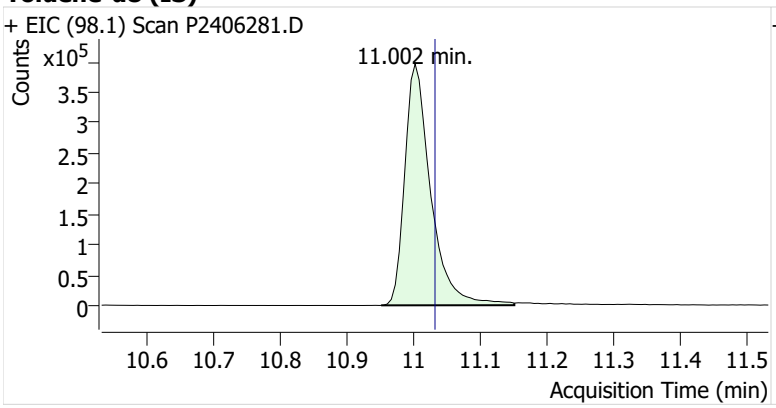


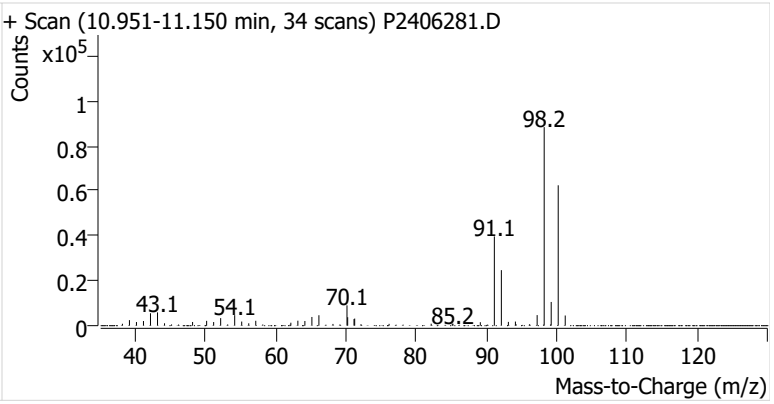
Benzene



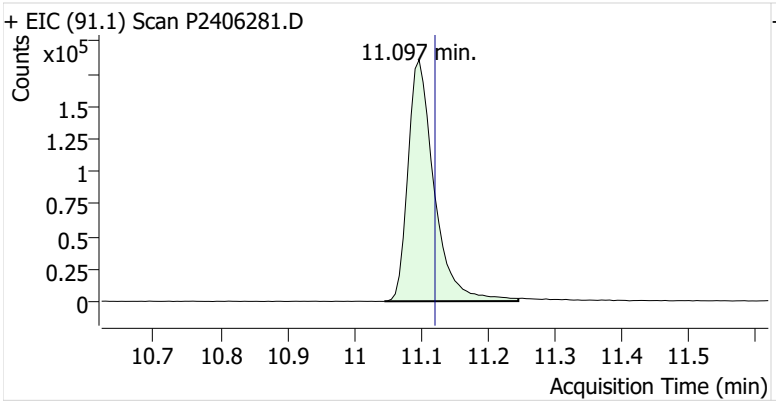


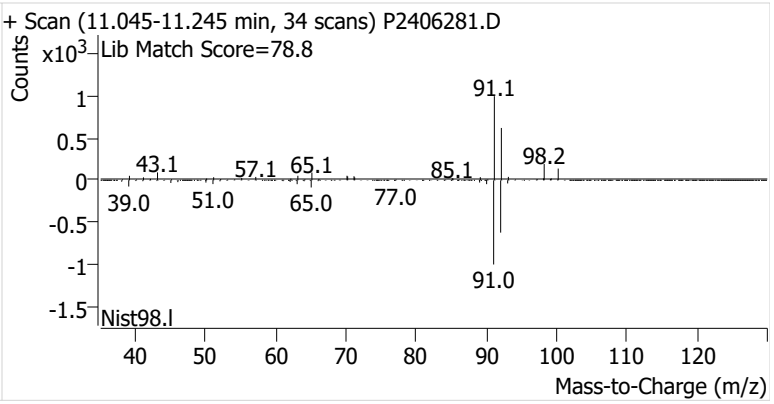
Toluene-d8 (IS)



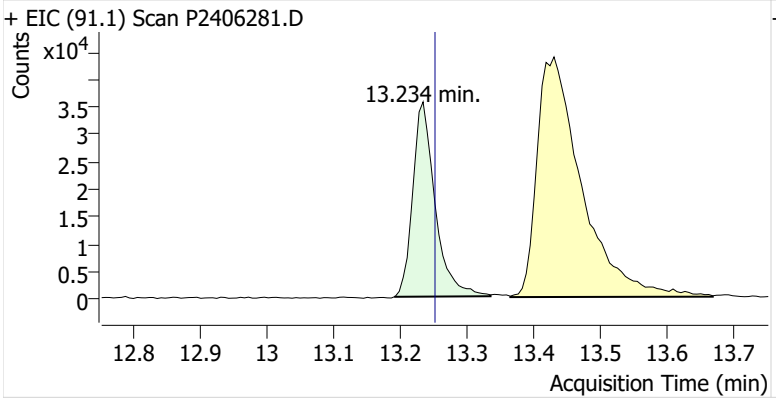


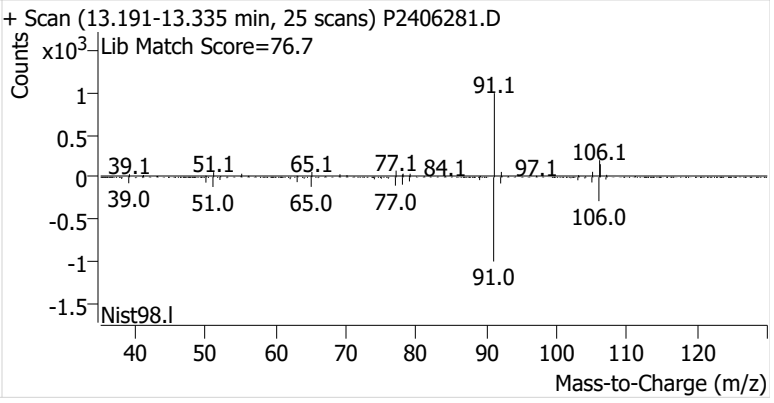
Toluene



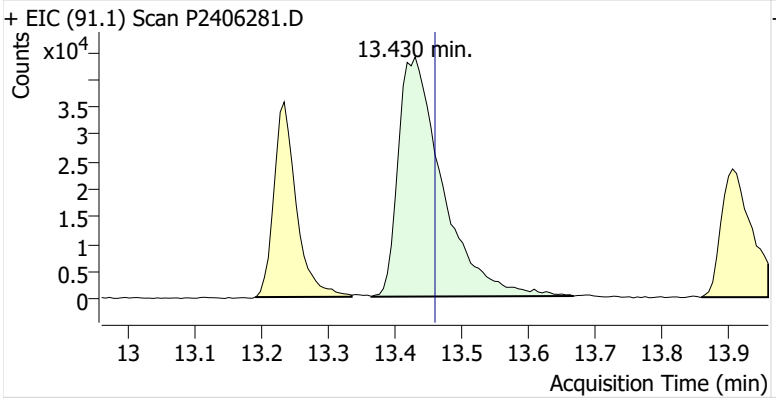


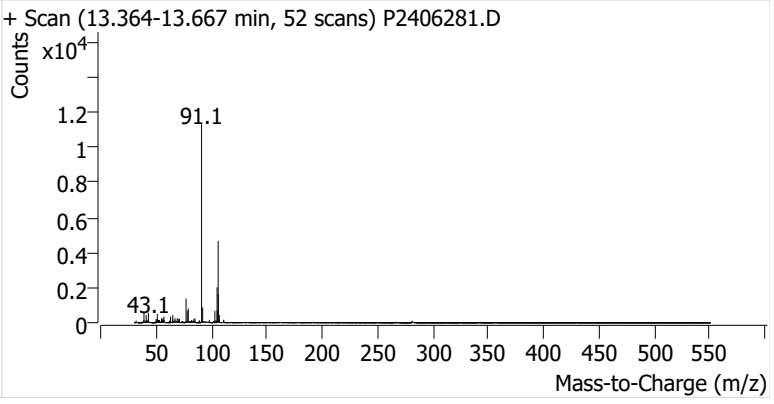
Ethylbenzene



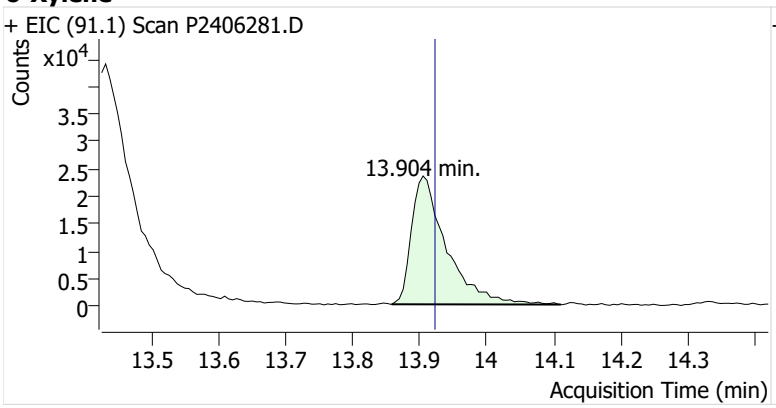


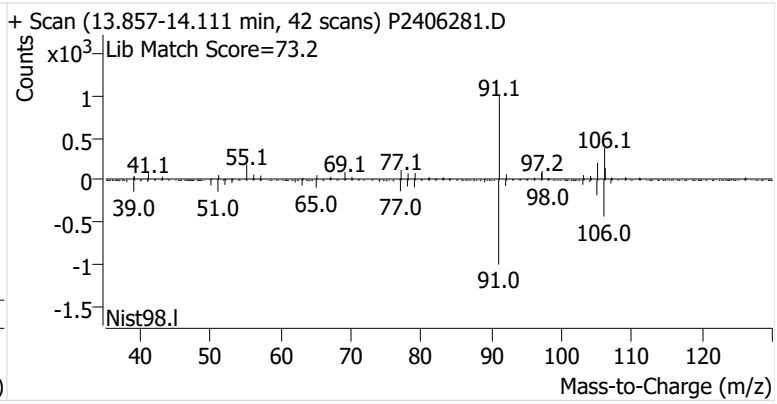
m-/p-Xylene





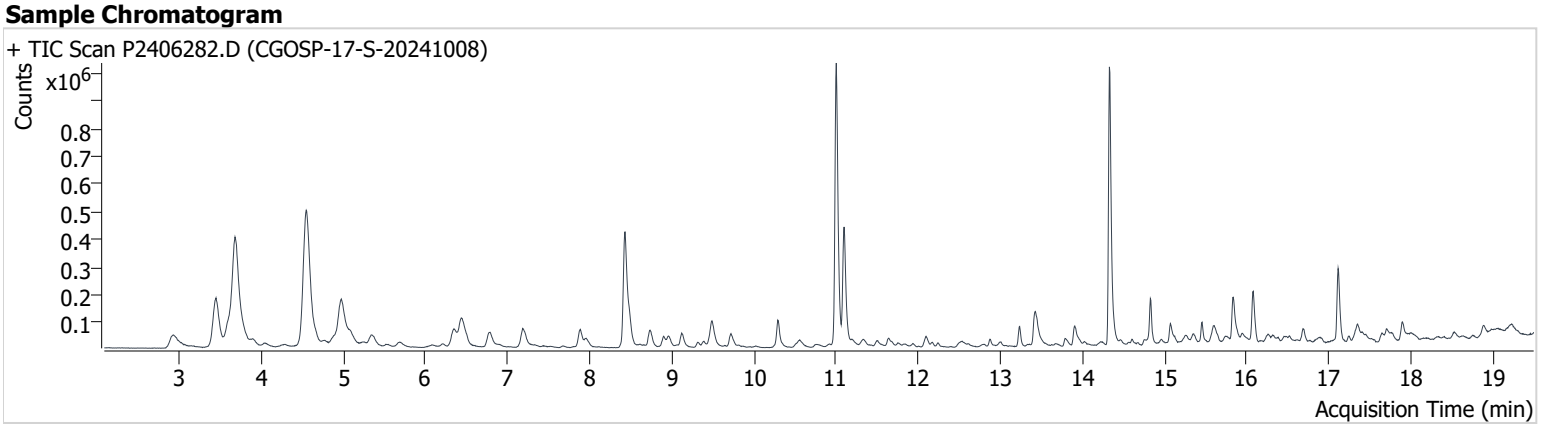
o-Xylene


+ EIC (91.1) Scan P2406281.D
Counts
x10^4
3.5
3
2.5
2
1.5
1
0.5
0
13.904 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.857-14.111 min, 42 scans) P2406281.D
Counts
x10^3
Lib Match Score=73.2
1
0.5
0
-0.5
-1
-1.5
91.1
106.1
41.1
55.1
69.1
77.1
97.2
98.0
39.0
51.0
65.0
77.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

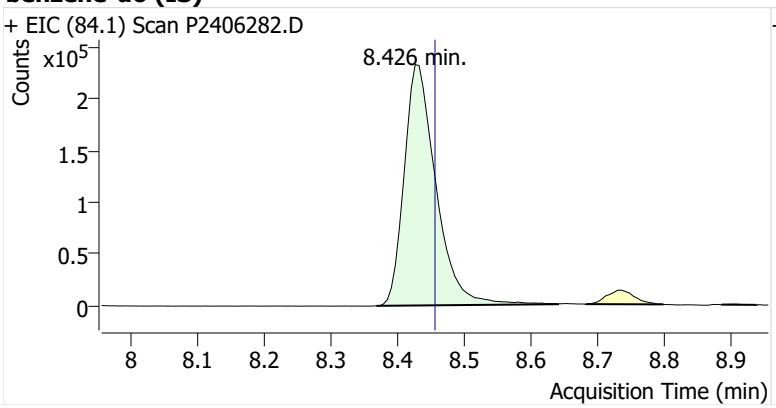
Name	CGOSP-17-S-20241008
Comment	C43365
Data File	P2406282.D
Acq. Date-Time	10/29/2024 4:10:41 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

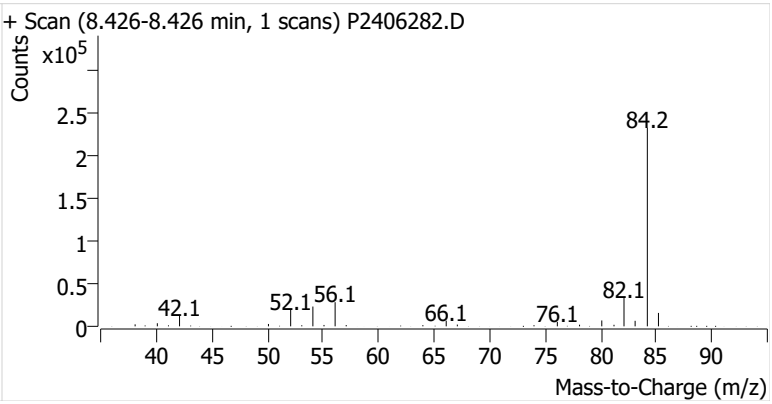
Sample Chromatogram



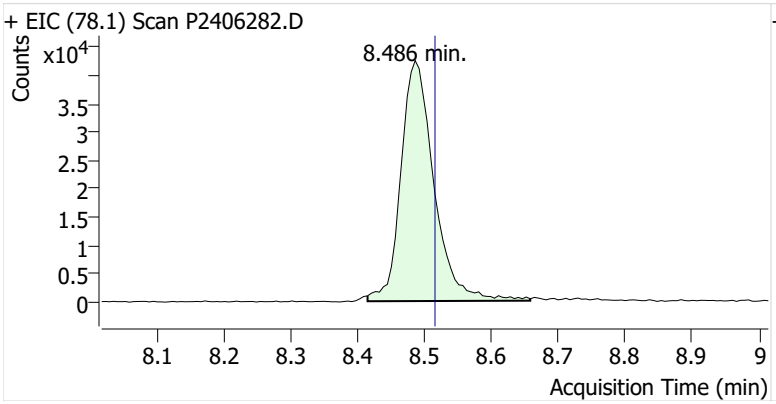
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.426	8.456	768,694	
Benzene	benzene-d6 (IS)	8.486	8.515	145,900	
Toluene-d8 (IS)		11.002	11.032	1,074,900	
Toluene	Toluene-d8 (IS)	11.097	11.121	456,794	
Ethylbenzene	Toluene-d8 (IS)	13.234	13.252	73,359	
m-/p-Xylene	Toluene-d8 (IS)	13.424	13.459	196,118	
o-Xylene	Toluene-d8 (IS)	13.905	13.922	76,902	

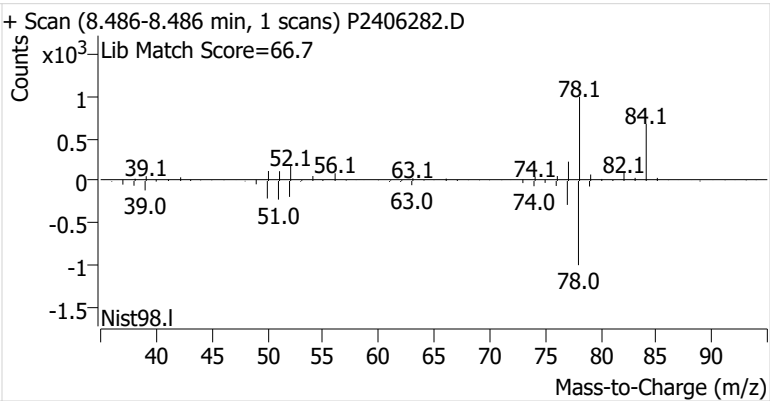
benzene-d6 (IS)



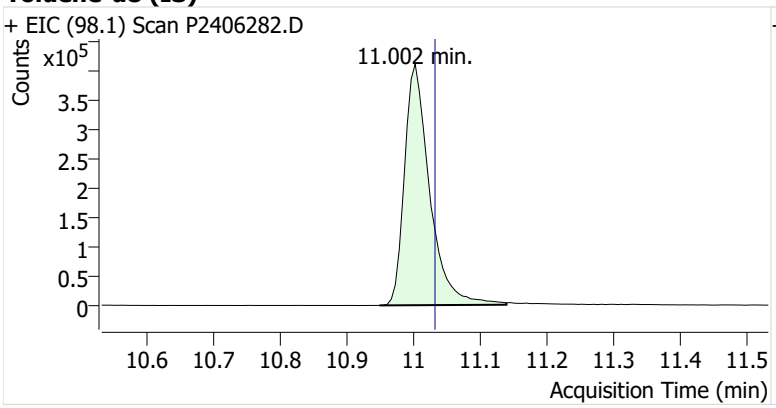


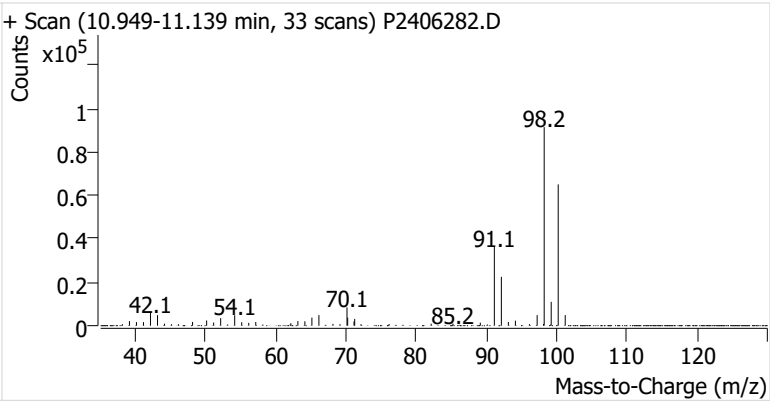
Benzene



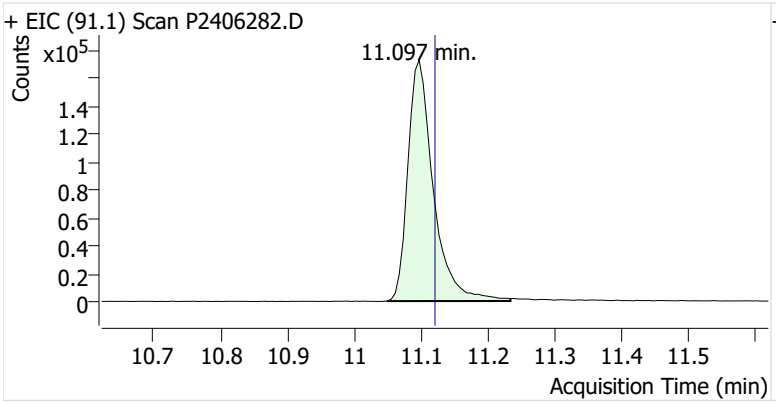


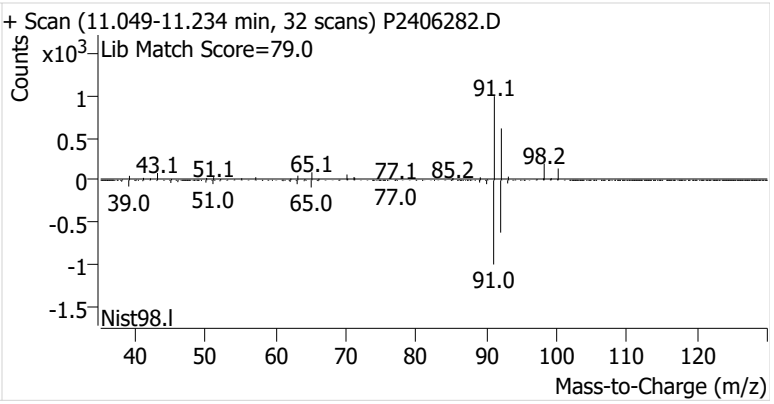
Toluene-d8 (IS)



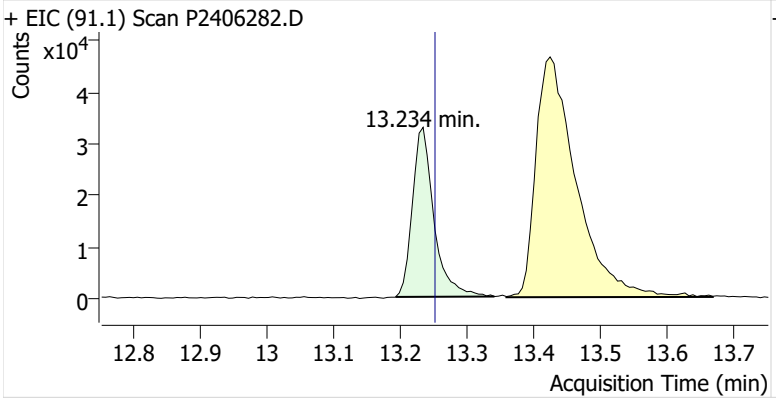


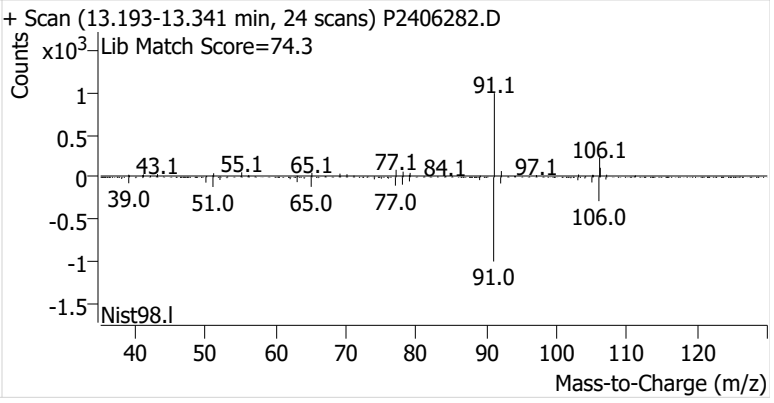
Toluene



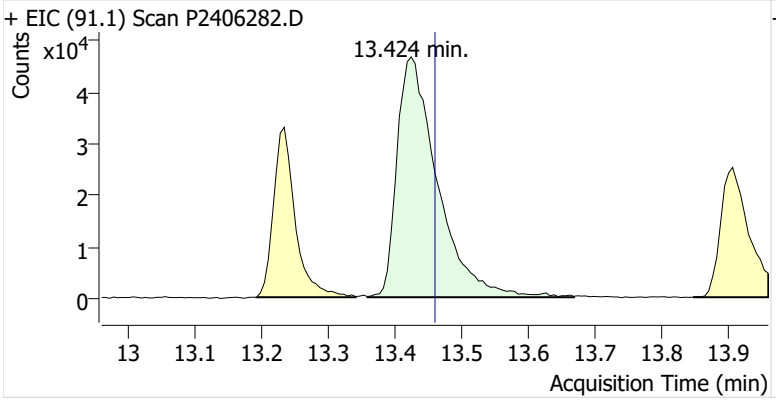


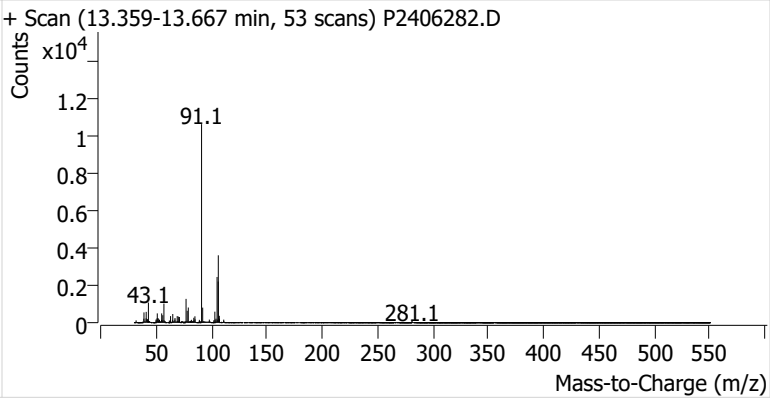
Ethylbenzene



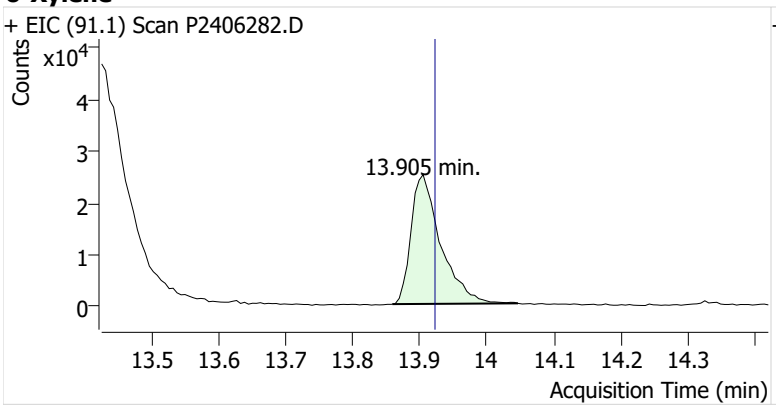


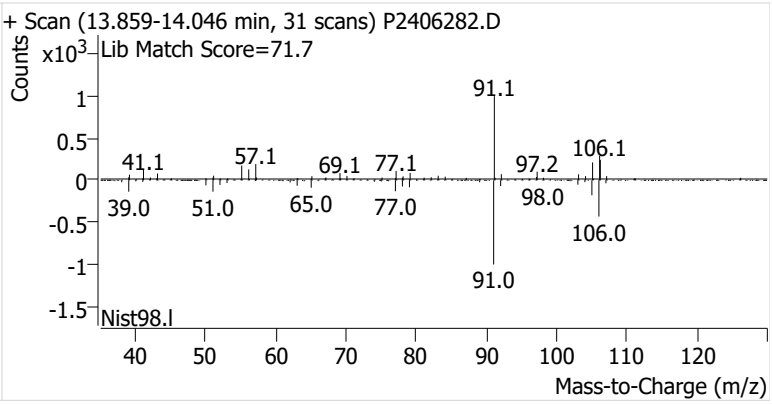
m-/p-Xylene





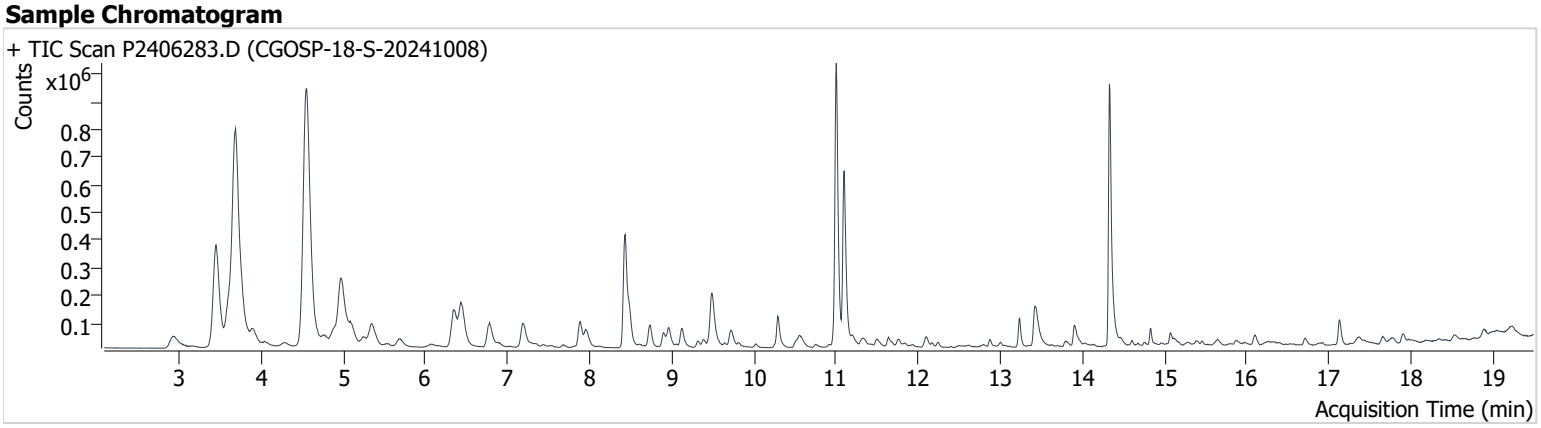
o-Xylene


+ EIC (91.1) Scan P2406282.D
Counts
x10^4
4
3
2
1
0
13.905 min.
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3
Acquisition Time (min)


+ Scan (13.859-14.046 min, 31 scans) P2406282.D
Counts
x10^3
Lib Match Score=71.7
1
0.5
0
-0.5
-1
-1.5
91.1
41.1
57.1
69.1
77.1
97.2
106.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

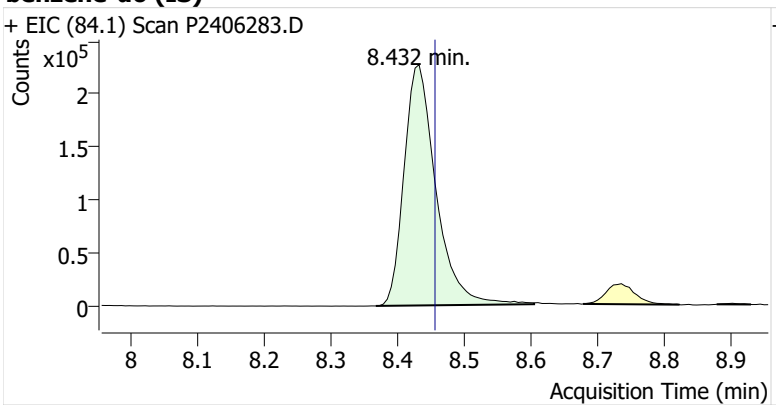
Name	CGOSP-18-S-20241008
Comment	C24223
Data File	P2406283.D
Acq. Date-Time	10/29/2024 4:47:58 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

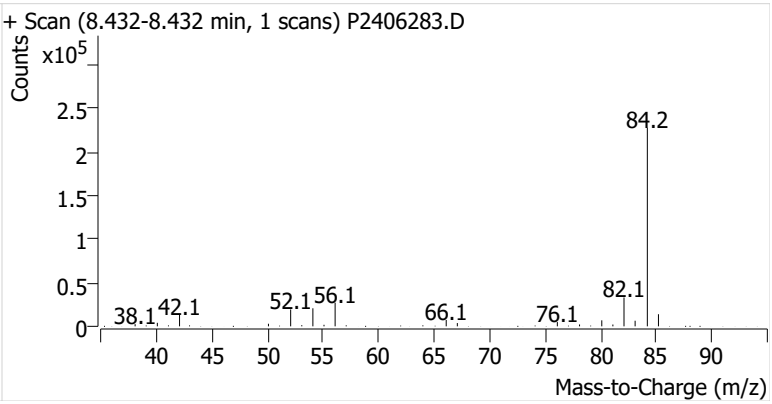
Sample Chromatogram



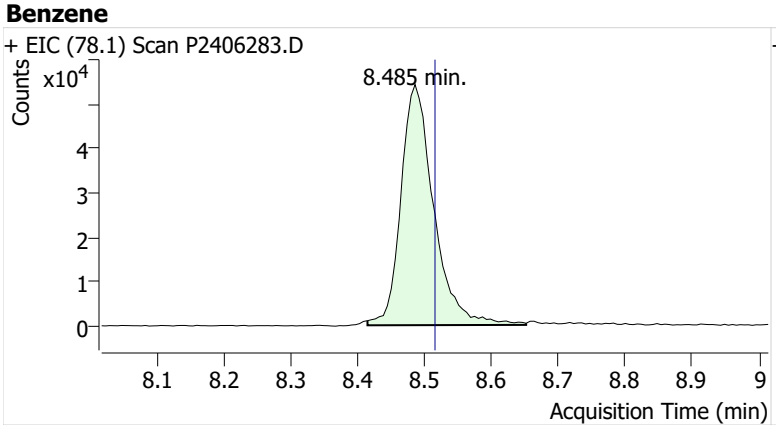
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.432	8.456	752,813	
Benzene	benzene-d6 (IS)	8.485	8.515	184,853	
Toluene-d8 (IS)		11.002	11.032	1,090,426	
Toluene	Toluene-d8 (IS)	11.097	11.121	658,548	
Ethylbenzene	Toluene-d8 (IS)	13.234	13.252	109,539	
m-/p-Xylene	Toluene-d8 (IS)	13.418	13.459	251,189	
o-Xylene	Toluene-d8 (IS)	13.904	13.922	106,383	

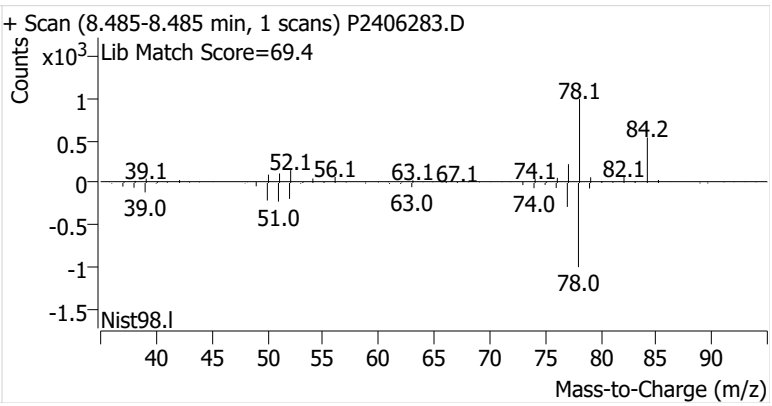
benzene-d6 (IS)



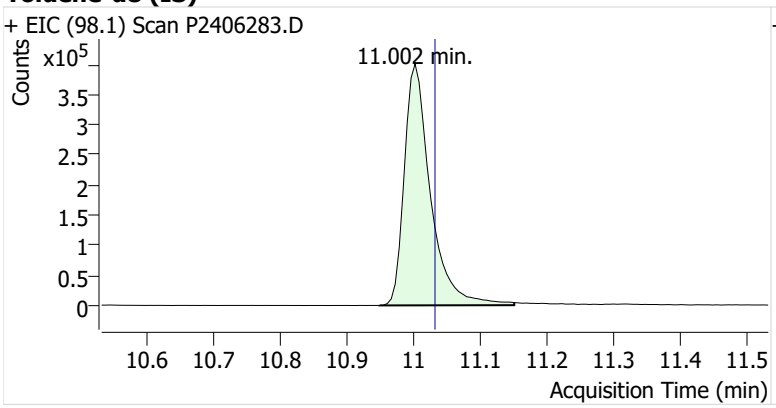


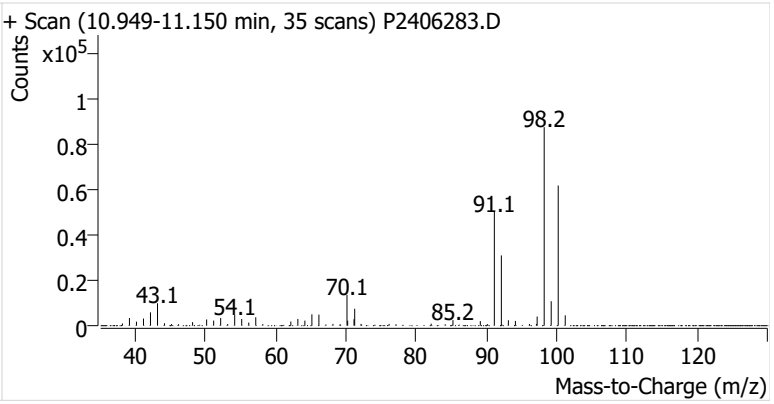
Benzene



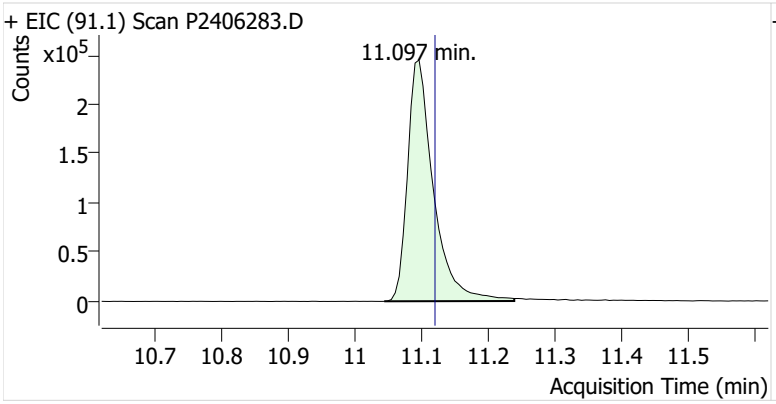


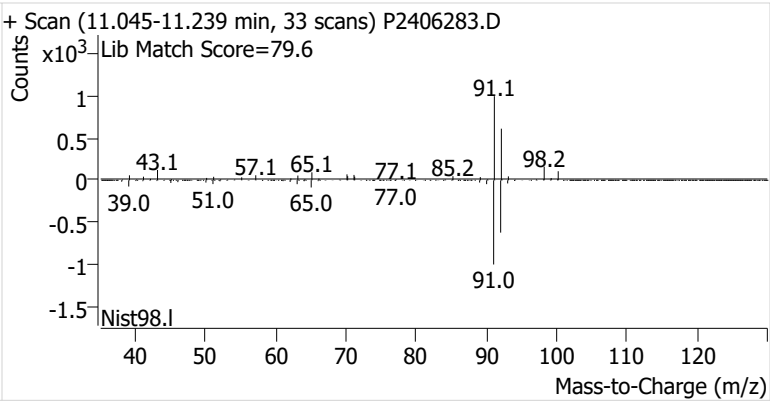
Toluene-d8 (IS)



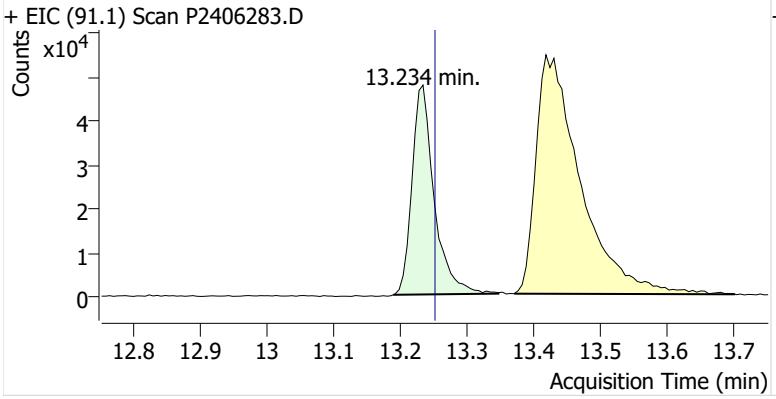


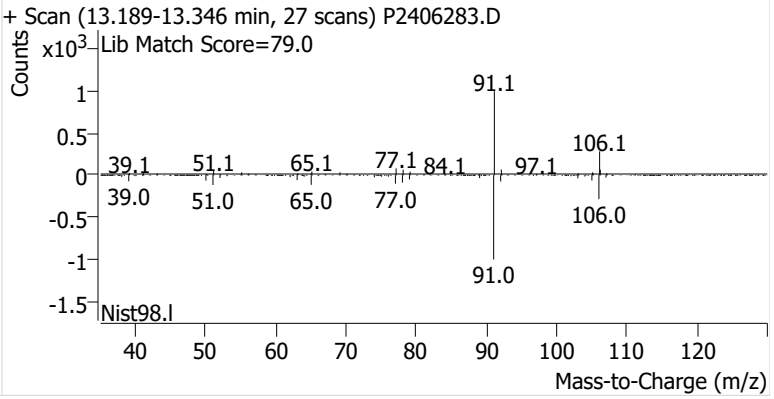
Toluene



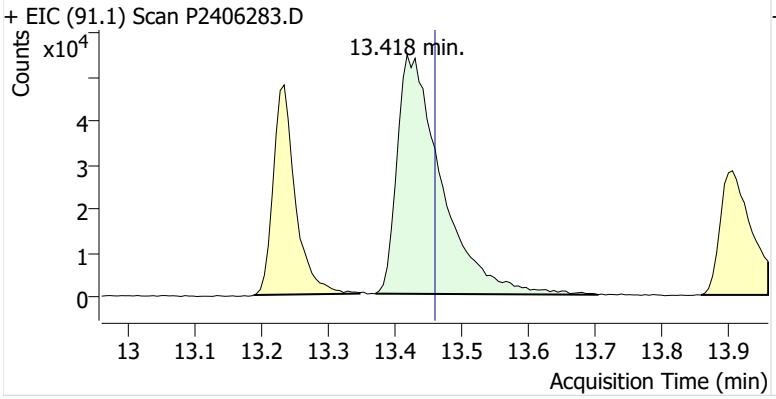


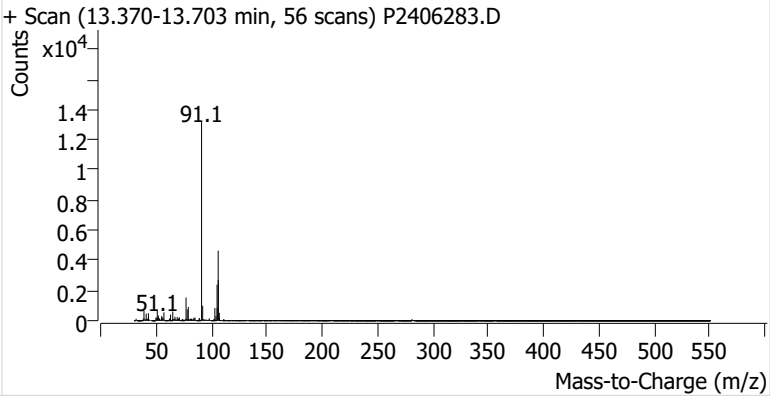
Ethylbenzene



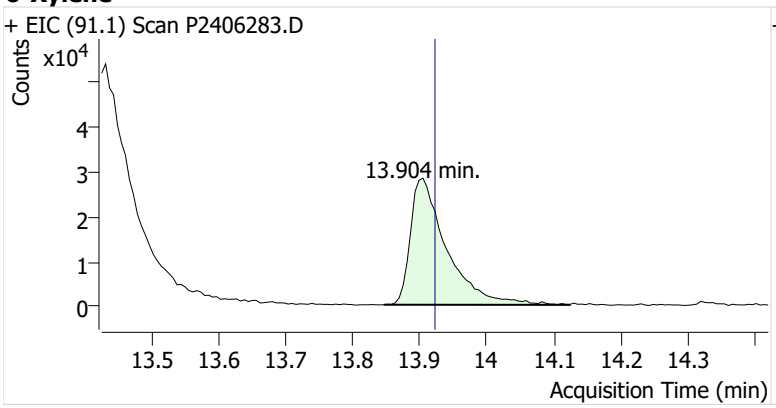


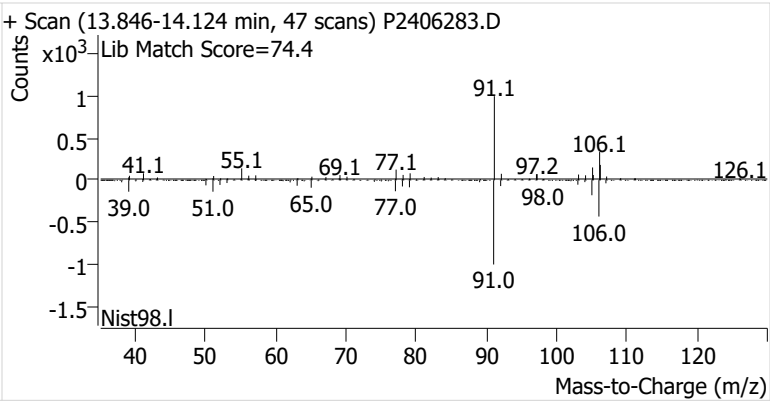
m-/p-Xylene





o-Xylene


+ EIC (91.1) Scan P2406283.D
Counts
x10^4
13.904 min.
Acquisition Time (min)


+ Scan (13.846-14.124 min, 47 scans) P2406283.D
Counts
x10^3
Lib Match Score=74.4
91.1
106.1
41.1
55.1
69.1
77.1
97.2
126.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
Mass-to-Charge (m/z)

Calibration Summary Reports

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP402-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Benzene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	0.934	0.979	0.934	-4.6%	-0.42%		Pass	
2024FP402 Method Blank	Blank		0.979	0.934			-5.6%	Pass	ND
M325B CCV 5	Check	0.925	0.979	0.934	-5.5%		1.7%	Pass	
M325B CCV 5	Check	0.931	0.979	0.934	-5.0%		1.1%	Pass	

Ethylbenzene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	1.046	0.951	1.046	10%	-9.4%		Pass	
2024FP402 Method Blank	Blank		0.951	1.046			7.2%	Pass	ND
M325B CCV 5	Check	0.962	0.951	1.046	1.2%		10%	Pass	
M325B CCV 5	Check	0.939	0.951	1.046	-1.3%		10%	Pass	

m-/p-Xylene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	0.755	0.677	0.755	12%	-9.4%		Pass	
2024FP402 Method Blank	Blank		0.677	0.755			7.2%	Pass	ND
M325B CCV 5	Check	0.611	0.677	0.755	-9.7%		10%	Pass	
M325B CCV 5	Check	0.665	0.677	0.755	-1.8%		10%	Pass	

o-Xylene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	0.831	0.720	0.831	15%	-9.4%		Pass	
2024FP402 Method Blank	Blank		0.720	0.831			7.2%	Pass	ND
M325B CCV 5	Check	0.758	0.720	0.831	5.3%		10%	Pass	
M325B CCV 5	Check	0.747	0.720	0.831	3.7%		10%	Pass	

Toluene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	0.915	0.898	0.915	1.9%	-9.4%		Pass	
2024FP402 Method Blank	Blank		0.898	0.915			7.2%	Pass	ND
M325B CCV 5	Check	0.862	0.898	0.915	-4.1%		10%	Pass	
M325B CCV 5	Check	0.843	0.898	0.915	-6.2%		10%	Pass	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP402-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
P090624A BTEX.quantmethod.xml	Benzene	1	P2404977.D	5.19	53200	91.7	825638	1.138	16%
P090624A BTEX.quantmethod.xml	Benzene	2	P2404978.D	10.38	91845	91.7	790527	1.026	4.8%
P090624A BTEX.quantmethod.xml	Benzene	3	P2404979.D	20.76	168704	91.7	766300	0.972	-0.72%
P090624A BTEX.quantmethod.xml	Benzene	4	P2404980.D	41.51	319641	91.7	739567	0.954	-2.5%
P090624A BTEX.quantmethod.xml	Benzene	5	P2404981.D	103.78	770808	91.7	741300	0.919	-6.2%
P090624A BTEX.quantmethod.xml	Benzene	6	P2404982.D	207.57	1506802	91.7	718096	0.927	-5.4%
P090624A BTEX.quantmethod.xml	Benzene	7	P2404983.D	622.70	4556203	91.7	729727	0.919	-6.1%
						Avg:	758736	0.979	
						%RSD:	5.0%	8.2%	
P090624A BTEX.quantmethod.xml	Ethylbenzene	1	P2404977.D	5.33	56151	108.1	1169254	0.974	2.4%
P090624A BTEX.quantmethod.xml	Ethylbenzene	2	P2404978.D	10.67	105621	108.1	1107038	0.967	1.7%
P090624A BTEX.quantmethod.xml	Ethylbenzene	3	P2404979.D	21.33	219430	108.1	1067634	1.042	9.6%
P090624A BTEX.quantmethod.xml	Ethylbenzene	4	P2404980.D	42.67	414505	108.1	1079066	0.973	2.4%
P090624A BTEX.quantmethod.xml	Ethylbenzene	5	P2404981.D	106.66	889663	108.1	1042115	0.865	-9.0%
P090624A BTEX.quantmethod.xml	Ethylbenzene	6	P2404982.D	213.33	1888178	108.1	1053728	0.908	-4.5%
P090624A BTEX.quantmethod.xml	Ethylbenzene	7	P2404983.D	639.99	5839841	108.1	1066774	0.925	-2.7%
						Avg:	1083659	0.951	
						%RSD:	4.0%	6.0%	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP402-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
P090624A BTEX.quantmethod.xml	m-/p-Xylene	1	P2404977.D	5.37	41219	108.1	1169254	0.710	4.9%
P090624A BTEX.quantmethod.xml	m-/p-Xylene	2	P2404978.D	10.74	70608	108.1	1107038	0.642	-5.1%
P090624A BTEX.quantmethod.xml	m-/p-Xylene	3	P2404979.D	21.47	173334	108.1	1067634	0.817	21%
P090624A BTEX.quantmethod.xml	m-/p-Xylene	4	P2404980.D	42.95	287337	108.1	1079066	0.670	-0.95%
P090624A BTEX.quantmethod.xml	m-/p-Xylene	5	P2404981.D	107.36	601872	108.1	1042115	0.582	-14%
P090624A BTEX.quantmethod.xml	m-/p-Xylene	6	P2404982.D	214.73	1307488	108.1	1053728	0.625	-7.7%
P090624A BTEX.quantmethod.xml	m-/p-Xylene	7	P2404983.D	644.18	4394447	108.1	1066774	0.691	2.1%
						Avg:	1083659	0.677	
						%RSD:	4.0%	11%	
P090624A BTEX.quantmethod.xml	o-Xylene	1	P2404977.D	5.40	44196	108.1	1169254	0.757	5.1%
P090624A BTEX.quantmethod.xml	o-Xylene	2	P2404978.D	10.80	82293	108.1	1107038	0.745	3.4%
P090624A BTEX.quantmethod.xml	o-Xylene	3	P2404979.D	21.59	162748	108.1	1067634	0.763	6.0%
P090624A BTEX.quantmethod.xml	o-Xylene	4	P2404980.D	43.18	323877	108.1	1079066	0.752	4.4%
P090624A BTEX.quantmethod.xml	o-Xylene	5	P2404981.D	107.95	690821	108.1	1042115	0.664	-7.8%
P090624A BTEX.quantmethod.xml	o-Xylene	6	P2404982.D	215.90	1404667	108.1	1053728	0.668	-7.3%
P090624A BTEX.quantmethod.xml	o-Xylene	7	P2404983.D	647.71	4429477	108.1	1066774	0.693	-3.8%
						Avg:	1083659	0.720	
						%RSD:	4.0%	6.1%	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP402-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
P090624A BTEX.quantmethod.xml	Toluene	1	P2404977.D	5.39	60242	108.1	1169254	1.034	15%
P090624A BTEX.quantmethod.xml	Toluene	2	P2404978.D	10.78	103782	108.1	1107038	0.940	4.7%
P090624A BTEX.quantmethod.xml	Toluene	3	P2404979.D	21.56	201417	108.1	1067634	0.946	5.3%
P090624A BTEX.quantmethod.xml	Toluene	4	P2404980.D	43.11	378117	108.1	1079066	0.879	-2.2%
P090624A BTEX.quantmethod.xml	Toluene	5	P2404981.D	107.78	866654	108.1	1042115	0.834	-7.1%
P090624A BTEX.quantmethod.xml	Toluene	6	P2404982.D	215.56	1738243	108.1	1053728	0.827	-7.9%
P090624A BTEX.quantmethod.xml	Toluene	7	P2404983.D	646.68	5279870	108.1	1066774	0.828	-7.9%
						Avg:	1083659	0.898	
						%RSD:	4.0%	8.7%	
P090624A BTEX.quantmethod.xml	Benzene	ICV	P2404984.D	63.61	412010	91.7	731399	0.812	-17%
P090624A BTEX.quantmethod.xml	Ethylbenzene	ICV	P2404984.D	85.41	703130	108.1	1042671	0.854	-10%
P090624A BTEX.quantmethod.xml	m-/p-Xylene	ICV	P2404984.D	88.90	563818	108.1	1042671	0.658	-2.8%
P090624A BTEX.quantmethod.xml	o-Xylene	ICV	P2404984.D	87.50	558957	108.1	1042671	0.662	-8%
P090624A BTEX.quantmethod.xml	Toluene	ICV	P2404984.D	75.87	552004	108.1	1042671	0.754	-16%

This Is The Last Page Of This Report.

CITGO – South Portland Terminal

102 Mechanic St.
South Portland, ME 04106

Sampling Event 13

PROJ-031602

Analytical Report (2024FP403)

EPA Method 325B

Benzene, Toluene, Ethylbenzene, m-/p-Xylenes, o-Xylene

Report Submitted By:
Montrose Air Quality Services LLC – Pine Brook, NJ

Enthalpy Analytical, LLC
Phone: (919) 850 - 4392 / Fax: (919) 850 - 9012 / www.enthalpy.com
800-1 Capitola Drive, Durham, NC 27713

I certify that to the best of my knowledge all analytical data presented in this report:

- Have been checked for completeness
- Are accurate, error-free, and legible
- Have been conducted in accordance with approved protocol, and that all deviations and analytical problems are summarized in the appropriate narrative(s)

This analytical report was prepared in Portable Document Format (.PDF). This report shall not be reproduced except in full without approval of the laboratory. This will provide assurance that parts of a report are not taken out of context.



QA Review Performed By:
Clifford Baldridge, QA Director

Report Issued: 11/20/2024

ENTHALPY
ANALYTICAL

Summary of Results

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP403-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Summary

Sample Code	Tube ID	Benzene		Ethylbenzene		m-/p-Xylene		o-Xylene		Toluene	
		(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag
CGOSP-1-S-20241022	B35504	2.03		1.30	P	4.05		1.67	P	9.04	
CGOSP-2-S-20241022	C38907	1.50		0.745	P	2.13		0.771	P	7.05	
CGOSP-3-S-20241022	B34557	2.46		1.58	P	3.22		1.29	P	12.6	
CGOSP-3-D-20241022	C00835	2.36		1.37	P	4.33		1.84	P	10.1	
CGOSP-3-B-20241022	C40166		ND		ND,P		ND		ND,P	0.584	
CGOSP-4-S-20241022	B43900	3.01		1.91	P	6.05		2.20	P	11.4	
CGOSP-5-S-20241022	B18327	3.21		2.30	P	6.74		2.37	P	15.2	
CGOSP-6-S-20241022	B43035	2.86		1.92	P	5.63		2.14	P	11.2	
CGOSP-7-S-20241022	C40642	2.77		1.77	P	5.66		2.17	P	11.7	
CGOSP-8-S-20241022	C17127	3.06		2.10	P	5.17		1.97	P	13.1	
CGOSP-9-S-20241022	B32880	2.72		1.66	P	4.97		1.86	P	11.6	
CGOSP-9-D-20241022	B33539	2.99		2.35	P	6.10		2.10	P	14.9	
CGOSP-9-B-20241022	B46217		ND		ND,P		ND		ND,P	1.01	
CGOSP-10-S-20241022	C37008	3.10		2.19	P	6.20		2.27	P	13.6	
CGOSP-11-S-20241022	B50625	2.02		1.39	P	4.22		1.41	P	9.15	
CGOSP-12-S-20241022	B49412	1.82		1.50	P	4.28		1.94	P	8.74	
CGOSP-13-S-20241022	C33485	1.89		1.29	P	4.39		1.58	P	10.6	
CGOSP-14-S-20241022	B50657	2.03		1.19	P	3.36		1.26	P	8.57	
CGOSP-15-S-20241022	C00652	1.91		1.20	P	3.71		1.44	P	9.24	
CGOSP-16-S-20241022	C17176	1.26		1.17	P	2.87		1.21	P	5.98	
CGOSP-17-S-20241022	B46216	1.43		0.929	P	2.71		1.07	P	7.21	
CGOSP-18-S-20241022	B19741	2.73		1.41	P	4.00		1.59	P	11.6	

ND: The analyte was not present above the Method Detection Limit
P: Field duplicate(s) exceed 30%RPD

Results

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP403-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Benzene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
CGOSP-1-S-20241022	B35504	2.03	0.635	26.8	49.2	0.652	20,240	0.189	0.397	0.0593	0.124	
CGOSP-2-S-20241022	C38907	1.50	0.471	19.9	49.2	0.652	20,240	0.189	0.397	0.0593	0.124	
CGOSP-3-S-20241022	B34557	2.46	0.771	32.5	49.2	0.652	20,240	0.189	0.397	0.0593	0.124	
CGOSP-3-D-20241022	C00835	2.36	0.741	31.2	49.2	0.652	20,240	0.189	0.397	0.0593	0.124	
CGOSP-3-B-20241022	C40166				49.2	0.652	20,240	0.189	0.397	0.0593	0.124	ND
CGOSP-4-S-20241022	B43900	3.01	0.943	39.8	49.2	0.652	20,240	0.189	0.397	0.0593	0.124	
CGOSP-5-S-20241022	B18327	3.21	1.00	42.3	49.2	0.652	20,240	0.189	0.397	0.0593	0.124	
CGOSP-6-S-20241022	B43035	2.86	0.897	37.8	49.2	0.652	20,240	0.189	0.397	0.0593	0.124	
CGOSP-7-S-20241022	C40642	2.77	0.869	36.6	49.2	0.652	20,240	0.189	0.397	0.0593	0.124	
CGOSP-8-S-20241022	C17127	3.06	0.959	40.4	49.2	0.652	20,240	0.189	0.397	0.0593	0.124	
CGOSP-9-S-20241022	B32880	2.72	0.853	35.9	49.2	0.652	20,240	0.189	0.397	0.0593	0.124	
CGOSP-9-D-20241022	B33539	2.99	0.935	39.4	49.2	0.652	20,240	0.189	0.397	0.0593	0.124	
CGOSP-9-B-20241022	B46217				49.2	0.652	20,240	0.189	0.397	0.0593	0.124	ND
CGOSP-10-S-20241022	C37008	3.10	0.972	41.0	49.2	0.652	20,240	0.189	0.397	0.0593	0.124	
CGOSP-11-S-20241022	B50625	2.02	0.632	26.7	49.2	0.652	20,240	0.189	0.397	0.0593	0.124	
CGOSP-12-S-20241022	B49412	1.82	0.570	24.0	49.2	0.652	20,240	0.189	0.397	0.0593	0.124	
CGOSP-13-S-20241022	C33485	1.89	0.593	25.0	49.2	0.652	20,240	0.189	0.397	0.0593	0.124	
CGOSP-14-S-20241022	B50657	2.03	0.635	26.7	49.1	0.652	20,235	0.189	0.398	0.0593	0.125	
CGOSP-15-S-20241022	C00652	1.91	0.597	25.2	49.1	0.652	20,235	0.189	0.398	0.0593	0.125	
CGOSP-16-S-20241022	C17176	1.26	0.394	16.6	49.1	0.652	20,235	0.189	0.398	0.0593	0.125	
CGOSP-17-S-20241022	B46216	1.43	0.449	18.9	49.1	0.652	20,235	0.189	0.398	0.0593	0.125	
CGOSP-18-S-20241022	B19741	2.73	0.855	36.0	49.1	0.652	20,235	0.189	0.398	0.0593	0.125	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP403-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Ethylbenzene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
CGOSP-1-S-20241022	B35504	1.30	0.300	11.8	49.2	0.448	20,240	0.276	0.595	0.0635	0.137	P
CGOSP-2-S-20241022	C38907	0.745	0.172	6.76	49.2	0.448	20,240	0.276	0.595	0.0635	0.137	P
CGOSP-3-S-20241022	B34557	1.58	0.365	14.4	49.2	0.448	20,240	0.276	0.595	0.0635	0.137	P
CGOSP-3-D-20241022	C00835	1.37	0.316	12.4	49.2	0.448	20,240	0.276	0.595	0.0635	0.137	P
CGOSP-3-B-20241022	C40166				49.2	0.448	20,240	0.276	0.595	0.0635	0.137	ND,P
CGOSP-4-S-20241022	B43900	1.91	0.440	17.3	49.2	0.448	20,240	0.276	0.595	0.0635	0.137	P
CGOSP-5-S-20241022	B18327	2.30	0.530	20.8	49.2	0.448	20,240	0.276	0.595	0.0635	0.137	P
CGOSP-6-S-20241022	B43035	1.92	0.442	17.4	49.2	0.448	20,240	0.276	0.595	0.0635	0.137	P
CGOSP-7-S-20241022	C40642	1.77	0.408	16.0	49.2	0.448	20,240	0.276	0.595	0.0635	0.137	P
CGOSP-8-S-20241022	C17127	2.10	0.484	19.1	49.2	0.448	20,240	0.276	0.595	0.0635	0.137	P
CGOSP-9-S-20241022	B32880	1.66	0.382	15.0	49.2	0.448	20,240	0.276	0.595	0.0635	0.137	P
CGOSP-9-D-20241022	B33539	2.35	0.541	21.3	49.2	0.448	20,240	0.276	0.595	0.0635	0.137	P
CGOSP-9-B-20241022	B46217				49.2	0.448	20,240	0.276	0.595	0.0635	0.137	ND,P
CGOSP-10-S-20241022	C37008	2.19	0.505	19.9	49.2	0.448	20,240	0.276	0.595	0.0635	0.137	P
CGOSP-11-S-20241022	B50625	1.39	0.320	12.6	49.2	0.448	20,240	0.276	0.595	0.0635	0.137	P
CGOSP-12-S-20241022	B49412	1.50	0.346	13.6	49.2	0.448	20,240	0.276	0.595	0.0635	0.137	P
CGOSP-13-S-20241022	C33485	1.29	0.297	11.7	49.2	0.448	20,240	0.276	0.595	0.0635	0.137	P
CGOSP-14-S-20241022	B50657	1.19	0.275	10.8	49.1	0.448	20,235	0.276	0.595	0.0636	0.137	P
CGOSP-15-S-20241022	C00652	1.20	0.276	10.9	49.1	0.448	20,235	0.276	0.595	0.0636	0.137	P
CGOSP-16-S-20241022	C17176	1.17	0.270	10.6	49.1	0.448	20,235	0.276	0.595	0.0636	0.137	P
CGOSP-17-S-20241022	B46216	0.929	0.214	8.42	49.1	0.448	20,235	0.276	0.595	0.0636	0.137	P
CGOSP-18-S-20241022	B19741	1.41	0.326	12.8	49.1	0.448	20,235	0.276	0.595	0.0636	0.137	P

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP403-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

m-/p-Xylene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
CGOSP-1-S-20241022	B35504	4.05	0.934	36.7	49.2	0.448	20,240	0.276	0.599	0.0635	0.138	
CGOSP-2-S-20241022	C38907	2.13	0.490	19.3	49.2	0.448	20,240	0.276	0.599	0.0635	0.138	
CGOSP-3-S-20241022	B34557	3.22	0.743	29.2	49.2	0.448	20,240	0.276	0.599	0.0635	0.138	
CGOSP-3-D-20241022	C00835	4.33	0.999	39.3	49.2	0.448	20,240	0.276	0.599	0.0635	0.138	
CGOSP-3-B-20241022	C40166				49.2	0.448	20,240	0.276	0.599	0.0635	0.138	ND
CGOSP-4-S-20241022	B43900	6.05	1.39	54.8	49.2	0.448	20,240	0.276	0.599	0.0635	0.138	
CGOSP-5-S-20241022	B18327	6.74	1.55	61.1	49.2	0.448	20,240	0.276	0.599	0.0635	0.138	
CGOSP-6-S-20241022	B43035	5.63	1.30	51.1	49.2	0.448	20,240	0.276	0.599	0.0635	0.138	
CGOSP-7-S-20241022	C40642	5.66	1.30	51.3	49.2	0.448	20,240	0.276	0.599	0.0635	0.138	
CGOSP-8-S-20241022	C17127	5.17	1.19	46.8	49.2	0.448	20,240	0.276	0.599	0.0635	0.138	
CGOSP-9-S-20241022	B32880	4.97	1.15	45.1	49.2	0.448	20,240	0.276	0.599	0.0635	0.138	
CGOSP-9-D-20241022	B33539	6.10	1.40	55.3	49.2	0.448	20,240	0.276	0.599	0.0635	0.138	
CGOSP-9-B-20241022	B46217				49.2	0.448	20,240	0.276	0.599	0.0635	0.138	ND
CGOSP-10-S-20241022	C37008	6.20	1.43	56.2	49.2	0.448	20,240	0.276	0.599	0.0635	0.138	
CGOSP-11-S-20241022	B50625	4.22	0.973	38.3	49.2	0.448	20,240	0.276	0.599	0.0635	0.138	
CGOSP-12-S-20241022	B49412	4.28	0.987	38.8	49.2	0.448	20,240	0.276	0.599	0.0635	0.138	
CGOSP-13-S-20241022	C33485	4.39	1.01	39.8	49.2	0.448	20,240	0.276	0.599	0.0635	0.138	
CGOSP-14-S-20241022	B50657	3.36	0.775	30.5	49.1	0.448	20,235	0.276	0.599	0.0636	0.138	
CGOSP-15-S-20241022	C00652	3.71	0.855	33.6	49.1	0.448	20,235	0.276	0.599	0.0636	0.138	
CGOSP-16-S-20241022	C17176	2.87	0.660	26.0	49.1	0.448	20,235	0.276	0.599	0.0636	0.138	
CGOSP-17-S-20241022	B46216	2.71	0.625	24.6	49.1	0.448	20,235	0.276	0.599	0.0636	0.138	
CGOSP-18-S-20241022	B19741	4.00	0.923	36.3	49.1	0.448	20,235	0.276	0.599	0.0636	0.138	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP403-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

o-Xylene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
CGOSP-1-S-20241022	B35504	1.67	0.384	15.1	49.2	0.448	20,240	0.276	0.602	0.0635	0.139	P
CGOSP-2-S-20241022	C38907	0.771	0.178	6.99	49.2	0.448	20,240	0.276	0.602	0.0635	0.139	P
CGOSP-3-S-20241022	B34557	1.29	0.298	11.7	49.2	0.448	20,240	0.276	0.602	0.0635	0.139	P
CGOSP-3-D-20241022	C00835	1.84	0.425	16.7	49.2	0.448	20,240	0.276	0.602	0.0635	0.139	P
CGOSP-3-B-20241022	C40166				49.2	0.448	20,240	0.276	0.602	0.0635	0.139	ND,P
CGOSP-4-S-20241022	B43900	2.20	0.506	19.9	49.2	0.448	20,240	0.276	0.602	0.0635	0.139	P
CGOSP-5-S-20241022	B18327	2.37	0.546	21.5	49.2	0.448	20,240	0.276	0.602	0.0635	0.139	P
CGOSP-6-S-20241022	B43035	2.14	0.494	19.4	49.2	0.448	20,240	0.276	0.602	0.0635	0.139	P
CGOSP-7-S-20241022	C40642	2.17	0.500	19.7	49.2	0.448	20,240	0.276	0.602	0.0635	0.139	P
CGOSP-8-S-20241022	C17127	1.97	0.453	17.8	49.2	0.448	20,240	0.276	0.602	0.0635	0.139	P
CGOSP-9-S-20241022	B32880	1.86	0.428	16.8	49.2	0.448	20,240	0.276	0.602	0.0635	0.139	P
CGOSP-9-D-20241022	B33539	2.10	0.484	19.0	49.2	0.448	20,240	0.276	0.602	0.0635	0.139	P
CGOSP-9-B-20241022	B46217				49.2	0.448	20,240	0.276	0.602	0.0635	0.139	ND,P
CGOSP-10-S-20241022	C37008	2.27	0.522	20.6	49.2	0.448	20,240	0.276	0.602	0.0635	0.139	P
CGOSP-11-S-20241022	B50625	1.41	0.325	12.8	49.2	0.448	20,240	0.276	0.602	0.0635	0.139	P
CGOSP-12-S-20241022	B49412	1.94	0.447	17.6	49.2	0.448	20,240	0.276	0.602	0.0635	0.139	P
CGOSP-13-S-20241022	C33485	1.58	0.365	14.4	49.2	0.448	20,240	0.276	0.602	0.0635	0.139	P
CGOSP-14-S-20241022	B50657	1.26	0.291	11.4	49.1	0.448	20,235	0.276	0.602	0.0636	0.139	P
CGOSP-15-S-20241022	C00652	1.44	0.332	13.1	49.1	0.448	20,235	0.276	0.602	0.0636	0.139	P
CGOSP-16-S-20241022	C17176	1.21	0.278	10.9	49.1	0.448	20,235	0.276	0.602	0.0636	0.139	P
CGOSP-17-S-20241022	B46216	1.07	0.246	9.66	49.1	0.448	20,235	0.276	0.602	0.0636	0.139	P
CGOSP-18-S-20241022	B19741	1.59	0.367	14.4	49.1	0.448	20,235	0.276	0.602	0.0636	0.139	P

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP403-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Toluene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
CGOSP-1-S-20241022	B35504	9.04	2.40	92.6	49.2	0.506	20,240	0.244	0.532	0.0648	0.141	
CGOSP-2-S-20241022	C38907	7.05	1.87	72.2	49.2	0.506	20,240	0.244	0.532	0.0648	0.141	
CGOSP-3-S-20241022	B34557	12.6	3.35	129	49.2	0.506	20,240	0.244	0.532	0.0648	0.141	
CGOSP-3-D-20241022	C00835	10.1	2.69	104	49.2	0.506	20,240	0.244	0.532	0.0648	0.141	
CGOSP-3-B-20241022	C40166	0.584	0.155	5.99	49.2	0.506	20,240	0.244	0.532	0.0648	0.141	
CGOSP-4-S-20241022	B43900	11.4	3.02	117	49.2	0.506	20,240	0.244	0.532	0.0648	0.141	
CGOSP-5-S-20241022	B18327	15.2	4.03	156	49.2	0.506	20,240	0.244	0.532	0.0648	0.141	
CGOSP-6-S-20241022	B43035	11.2	2.99	115	49.2	0.506	20,240	0.244	0.532	0.0648	0.141	
CGOSP-7-S-20241022	C40642	11.7	3.10	120	49.2	0.506	20,240	0.244	0.532	0.0648	0.141	
CGOSP-8-S-20241022	C17127	13.1	3.48	134	49.2	0.506	20,240	0.244	0.532	0.0648	0.141	
CGOSP-9-S-20241022	B32880	11.6	3.07	119	49.2	0.506	20,240	0.244	0.532	0.0648	0.141	
CGOSP-9-D-20241022	B33539	14.9	3.96	153	49.2	0.506	20,240	0.244	0.532	0.0648	0.141	
CGOSP-9-B-20241022	B46217	1.01	0.269	10.4	49.2	0.506	20,240	0.244	0.532	0.0648	0.141	
CGOSP-10-S-20241022	C37008	13.6	3.61	139	49.2	0.506	20,240	0.244	0.532	0.0648	0.141	
CGOSP-11-S-20241022	B50625	9.15	2.43	93.8	49.2	0.506	20,240	0.244	0.532	0.0648	0.141	
CGOSP-12-S-20241022	B49412	8.74	2.32	89.5	49.2	0.506	20,240	0.244	0.532	0.0648	0.141	
CGOSP-13-S-20241022	C33485	10.6	2.81	108	49.2	0.506	20,240	0.244	0.532	0.0648	0.141	
CGOSP-14-S-20241022	B50657	8.57	2.28	87.8	49.1	0.506	20,235	0.244	0.532	0.0648	0.141	
CGOSP-15-S-20241022	C00652	9.24	2.45	94.6	49.1	0.506	20,235	0.244	0.532	0.0648	0.141	
CGOSP-16-S-20241022	C17176	5.98	1.59	61.3	49.1	0.506	20,235	0.244	0.532	0.0648	0.141	
CGOSP-17-S-20241022	B46216	7.21	1.92	73.9	49.1	0.506	20,235	0.244	0.532	0.0648	0.141	
CGOSP-18-S-20241022	B19741	11.6	3.08	119	49.1	0.506	20,235	0.244	0.532	0.0648	0.141	

ND: The analyte was not present above the Method Detection Limit

P: Field duplicate(s) exceed 30%RPD

QC

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP403-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

QC Samples

Field Sample Type	Sample Code	Benzene		Ethylbenzene		m-/p-Xylene		o-Xylene		Toluene	
Blanks (ug/m³)	CGOSP-3-B-20241022	ND	Pass	ND	Pass	ND	Pass	ND	Pass	0.584	Pass
	CGOSP-9-B-20241022	ND	Pass	ND	Pass	ND	Pass	ND	Pass	1.01	Fail
Duplicates (difference)	CGOSP-3-D-20241022	4.0%	Pass	14%	Pass	29%	Pass	35%	P	22%	Pass
	CGOSP-9-D-20241022	9.2%	Pass	35%	P	20%	Pass	12%	Pass	25%	Pass

Narrative Summary

Enthalpy Analytical Narrative Summary

Company	Montrose Air Quality Services, LLC - New Jersey
Site	CITGO – South Portland Terminal
Project	PROJ-031602
Report #	2024FP403

Custody	Enthalpy Analytical, LLC received the sample tubes on 11/11/24. The samples were received in good condition at a temperature of 20.3 ºC. Prior to, during, and after analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, LLC.
Analysis	The samples were analyzed for Benzene, Toluene, Ethylbenzene, o-Xylene, and m-/p-Xylenes using EPA Method 325B – Volatile Organic Compounds from Fugitive and Area Sources by Thermal Desorption and GC/MS. A copy of the acquisition method (M325B-TD.M) is not included in this report but may be available upon request.
Calibration	All BFB tune criteria have been met for this analysis. The initial calibration met 30% RSD criteria. The initial calibration verification met 30% recovery criteria. The continuing calibration verifications met 30% difference criteria. The initial and continuing calibration raw data are not included in this report but are available upon request.
Quality Control Notes	All quality control criteria required by the method and/or the laboratory SOP have been met unless noted otherwise below. Toluene was detected in field blank CGOSP-9-B-20241022 (tube ID B46217), however it was not at a concentration greater than one-third of the concentration of any of the samples in this data set. The chromatography appears to indicate that the source of low-level contamination occurred in the field and may be due to a loose brass end cap or a field sampling error. The primary sample CGOSP-3-S-20241022 (tube ID B34557) and its corresponding duplicate CGOSP-3-D-20241022 (tube ID C00835) failed to meet the 30% difference criterion specified by the method for O-Xylene and the primary sample CGOSP-9-S-20241022 (tube ID B32880) and its corresponding duplicate CGOSP-3-9-20241022 (tube ID B33539) failed to meet the 30% difference criterion specified by the method for Ethylbenzene. All samples in the data set for O-Xylene and Ethylbenzene only have been flagged "P" to denote this failure.
Reporting Notes	The samples may have been purged to remove known or suspected moisture. If purging occurred, a CCV and a Method Blank will have been purged alongside the samples. The laboratory maintains documentation of samples that are purged.

Enthalpy Analytical Narrative Summary
(continued)

As specified in EPA Method 325B, the response factor of the daily continuing calibration standard was used to quantitate all field samples and blanks.

All samples were reported as amount in ng catch, and concentration in µg/m3 and ppbv.

The results presented in this report are representative of the samples as provided to the laboratory.

These analyses met the requirements of the TNI Standard. Any deviations from the requirements of the reference method or TNI Standard have been stated above.

Sample Custody

EPA Method 325 A
Field Test Data Sheet and Chain of Custody Record

ENTHALPY ANALYTICAL

2024FP403 Page # 1 of 3 #

☐ Standard Turn Around Time (10 business days)
☐ Rush Turn Around Time
• All TATs Subject to Approval by Enthalpy Analytical, Inc.
• Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name: Citgo So Portland Terminal	Client Name: Montrose Air	PO#:	
Site Address: 107 Mechanic Street	Project Number: PROJ-031602	Sample Event #	
City: So Portland	Project Manager: Haig Brochu	Sorbent:	
State: Maine	Email Address: haigbrochu@montrose-env.com		
Zip: 04106	Telephone #: 207-441-0025		

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
1	B35504	S	10/22/24	10:45	11/5/24	11:05	HFB / HFB		
2	C38907	S	10/22/24	10:50	11/5/24	11:10	HFB / HFB		
3	B34557	S	10/22/24	10:55	11/5/24	11:15	HFB / HFB		
3	C00835	D	10/22/24	10:55	11/5/24	11:15	HFB / HFB		
3	C40166	B	10/22/24	10:55	11/5/24	11:15	HFB / HFB		
4	B43900	S	10/22/24	11:05	11/5/24	11:25	HFB / HFB		
5	B18327	S	10/22/24	11:10	11/5/24	11:30	HFB / HFB		
6	B43035	S	10/22/24	11:15	11/5/24	11:35	HFB / HFB		

Relinquished By (printed): Haig Brochu	Relinquished By (signature):	Relinquished Date: 11/5/2024	Relinquished Time: 14:10
Recieved By (printed): Daniel Simpson	Recieved By (signature):	Receipt Date: 11/11/24	Receipt Time: 10:20
Sample Condition Upon Receipt: Good	Compound List:	Custody Seal intact? Y/N: Y	Delivery tracking #
Ice Temp: →	Blank Temp: 20.3 Fluke 7A	Add Custody Seal # below: 24A01917	

Comments:

EPA Method 325 A
Field Test Data Sheet and Chain of Custody Record

ENTHALPY ANALYTICAL

Page # 2 of 3 #

☐ Standard Turn Around Time (10 business days)
☐ Rush Turn Around Time
• All TATs Subject to Approval by Enthalpy Analytical, Inc.
• Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name:	Citgo So Portland Terminal	**Client Name:**	Montrose Air
Site Address:	107 Mechanic Street	**Project Number:**	PR05-031602
City:	So Portland	**Project Manager:**	Haig Brochu
State	Maine	**Email Address:**	haigbrochu@Montrose-env.com
Zip:	04106	**Telephone #:**	207-441-0025

PO#:	
Sample Event #	
Sorbent:	

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
7	C40642	S	10/22/24	11:20	11/5/24	11:40	HFB / HFB		
8	C17127	S	10/22/24	11:25	11/5/24	11:45	HFB / HFB		
9	B32880	S	10/22/24	11:30	11/5/24	11:50	HFB / HFB		
9	B33539	D	10/22/24	11:30	11/5/24	11:50	HFB / HFB		
9	B46217	B	10/22/24	11:30	11/5/24	11:50	HFB / HFB		
10	C37008	S	10/22/24	11:35	11/5/24	11:55	HFB / HFB		
11	B50625	S	10/22/24	11:40	11/5/24	12:00	HFB / HFB		
12	B49412	S	10/22/24	11:45	11/5/24	12:05	HFB / HFB		

Relinquished By (printed): Haig Brochu	**Relinquished By (signature):**	**Relinquished Date:** 11/5/2024	**Relinquished Time:** 14:10
Recieved By (printed): Daniel Simpson	**Recieved By (signature):**	**Receipt Date:** 11/6/24	**Receipt Time:** 10:00
Sample Condition Upon Receipt: Good	**Compound List:**	**Custody Seal intact? Y/N:** Y	**Delivery tracking #**
Ice Temp: — / **Blank Temp:** 20.3 / Flke 7A		**Add Custody Seal # below:** 24A01917	

Comments:

EPA Method 325 A
Field Test Data Sheet and Chain of Custody Record

Page # 3 of 3 #

☐ Standard Turn Around Time (10 business days)
☐ Rush Turn Around Time
• All TATs Subject to Approval by Enthalpy Analytical, Inc.
• Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name:	Citgo So Portland Terminal	Client Name:	Montrose Air	PO#:	
Site Address:	107 Mechanic Street	Project Number:	PROJ-031602	Sample Event #	
City:	So Portland	Project Manager:	Haig Brochu	Sorbent:	
State	Maine	Email Address:	haigbrochu@Montrose-env.com		
Zip:	04106	Telephone #:	207-441-0025		

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
13	C33485	S	10/22/24	11:50	11/5/24	12:10	HFB / HFB		
14	B50657	S	10/22/24	12:00	11/5/24	12:15	HFB / HFB		
15	C00652	S	10/22/24	12:05	11/5/24	12:20	HFB / HFB		
16	C17176	S	10/22/24	12:10	11/5/24	12:25	HFB / HFB		
17	B46216	S	10/22/24	12:15	11/5/24	12:30	HFB / HFB		
18	B19741	S	10/22/24	12:20	11/5/24	12:35	HFB / HFB		
							/		
							/		

Relinquished By (printed): Haig Brochu	Relinquished By (signature):	Relinquished Date: 11/5/2024	Relinquished Time: 14:10
Recieved By (printed): Daniel Simpson	Recieved By (signature):	Receipt Date: 11/11/24	Receipt Time: 10:00
Sample Condition Upon Receipt: Good	Compound List:	Custody Seal intact? Y/N: Y	Delivery tracking #
Ice Temp: — / Blank Temp: 20.3 / Fluke 7A		Add Custody Seal # below: 24A0917	

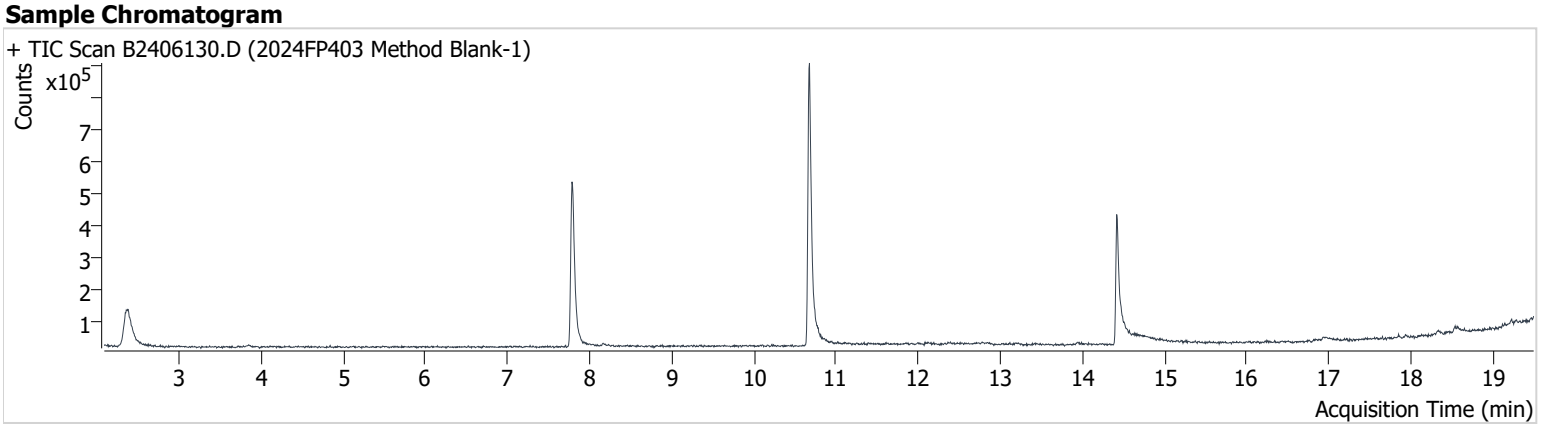
Comments:

Sample Chromatograms

ENTHALPY ANALYTICAL

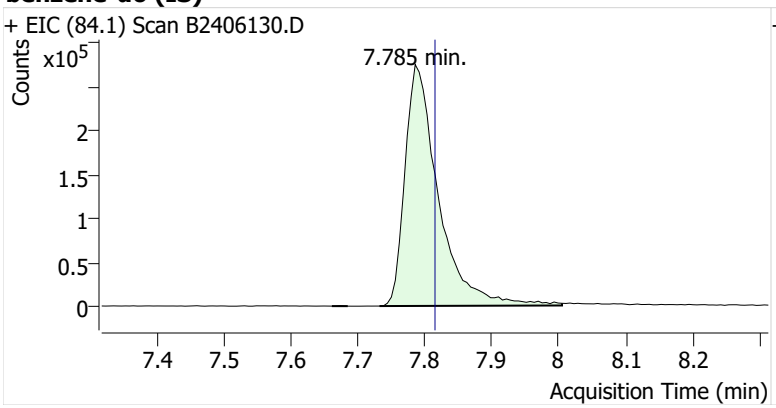
Name	2024FP403 Method Blank-1
Comment	C40151
Data File	B2406130.D
Acq. Date-Time	11/12/2024 9:18:37 PM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

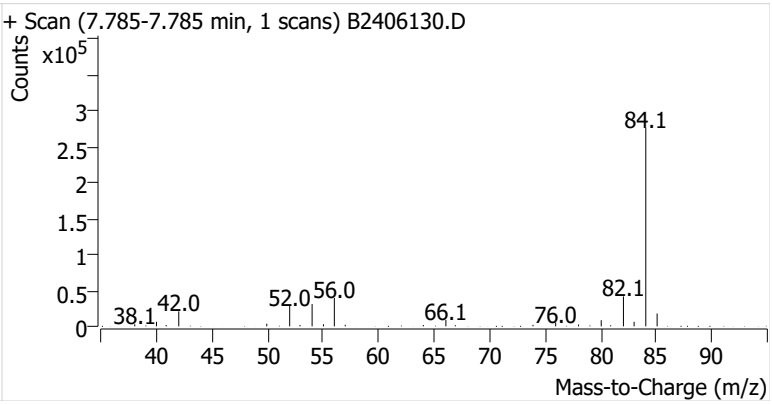
Sample Chromatogram



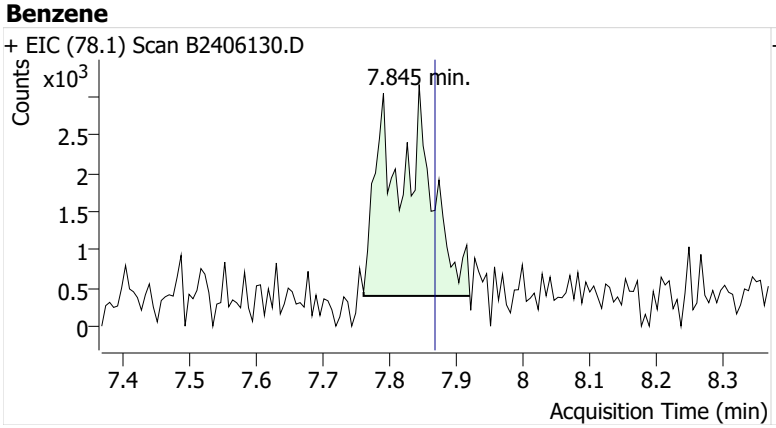
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.785	7.815	957,738	
Benzene	benzene-d6 (IS)	7.845	7.868	11,998	
Toluene-d8 (IS)		10.676	10.693	1,052,075	
Toluene	Toluene-d8 (IS)	10.783	10.794	13,400	
Ethylbenzene	Toluene-d8 (IS)	13.210	13.198	7,422	m
m-/p-Xylene	Toluene-d8 (IS)	13.590	13.412	ND	m
o-Xylene	Toluene-d8 (IS)	13.940	13.934	4,349	

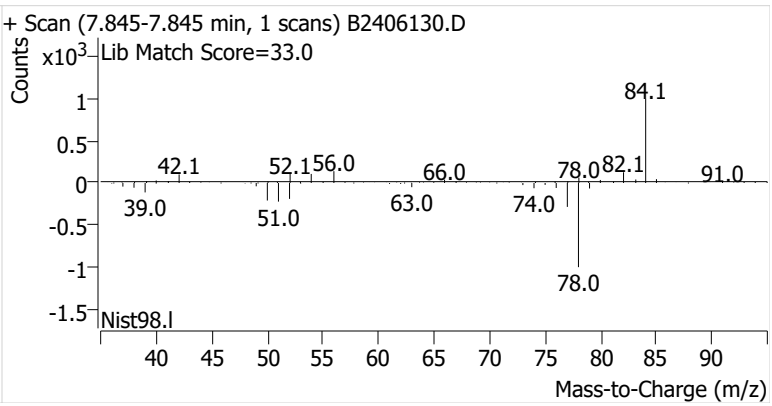
benzene-d6 (IS)



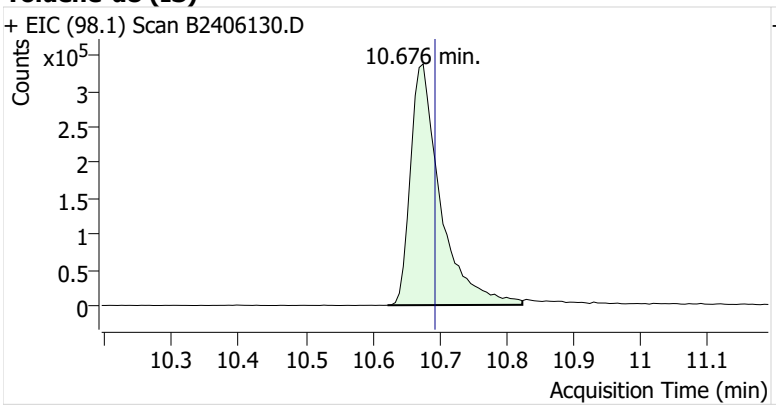


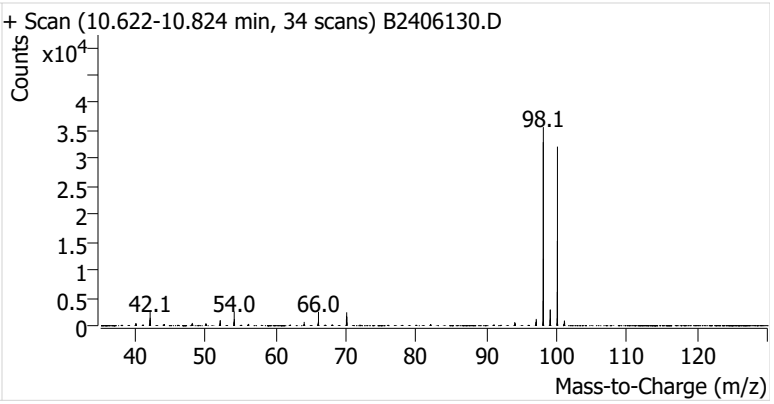
Benzene



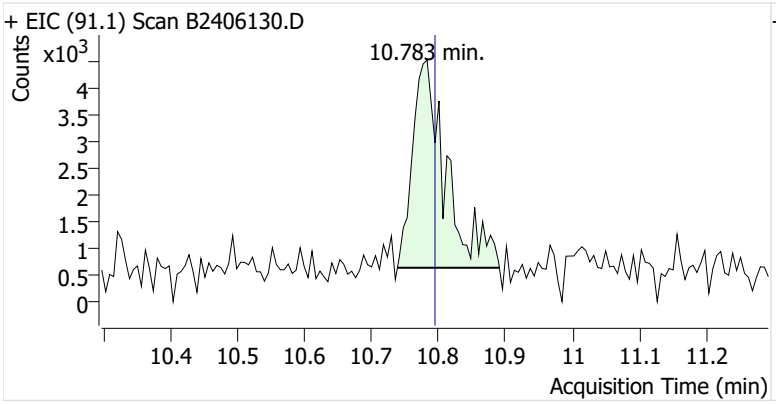


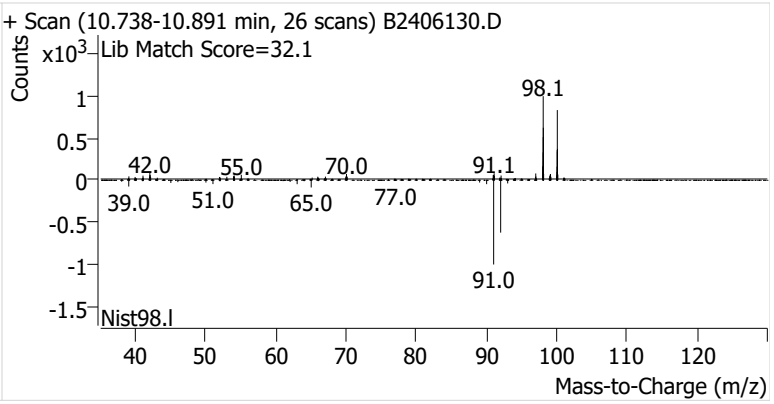
Toluene-d8 (IS)



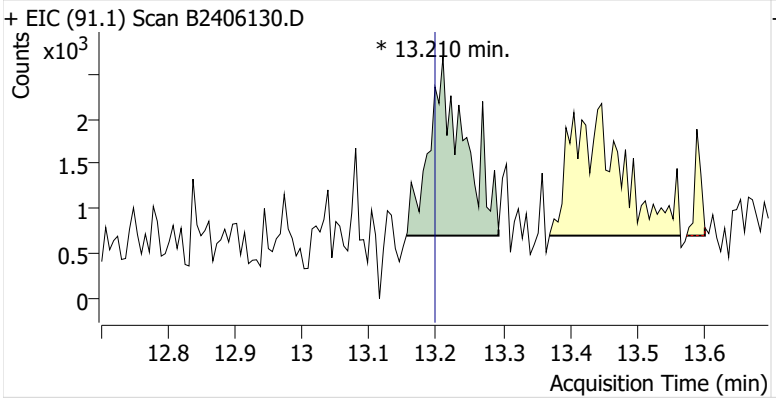


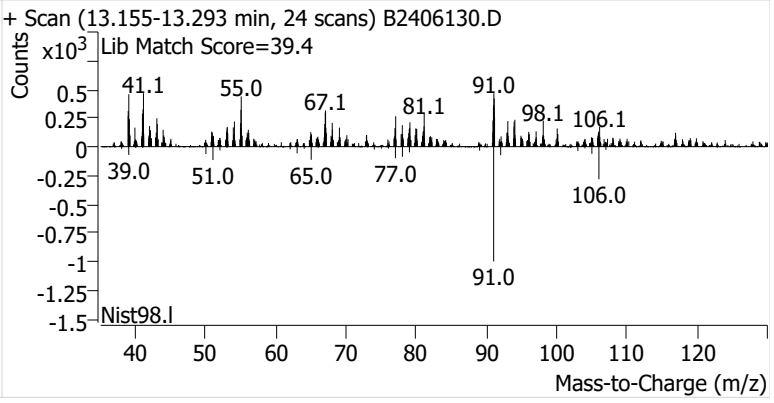
Toluene



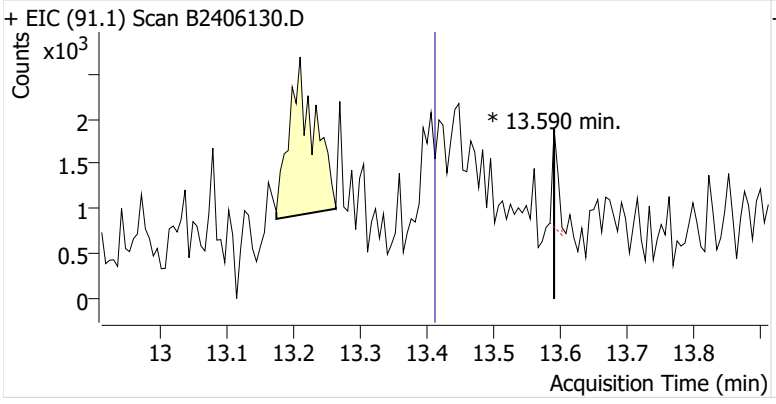


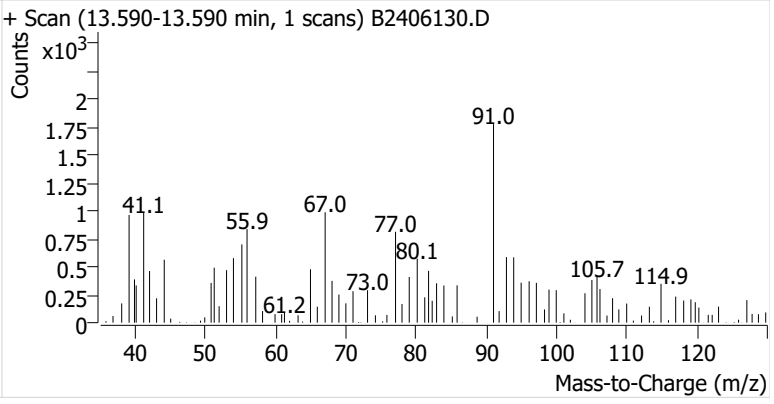
Ethylbenzene



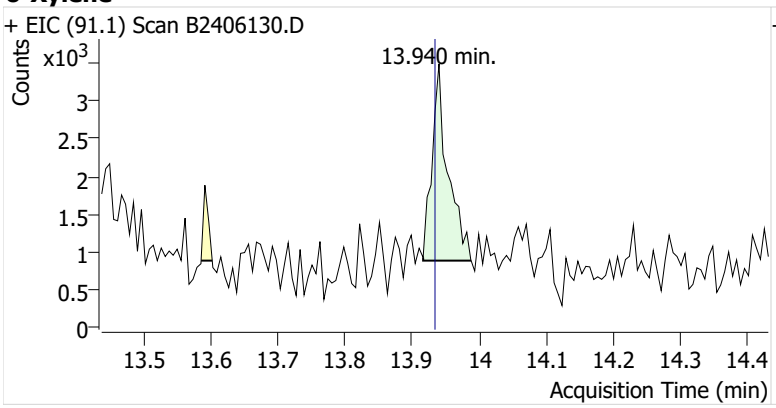


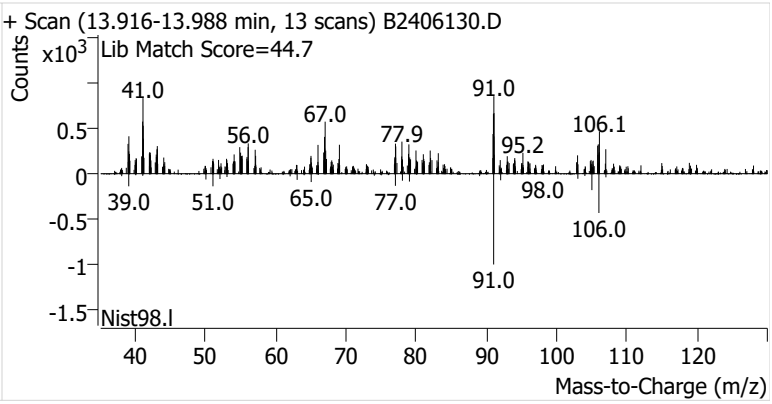
m-/p-Xylene





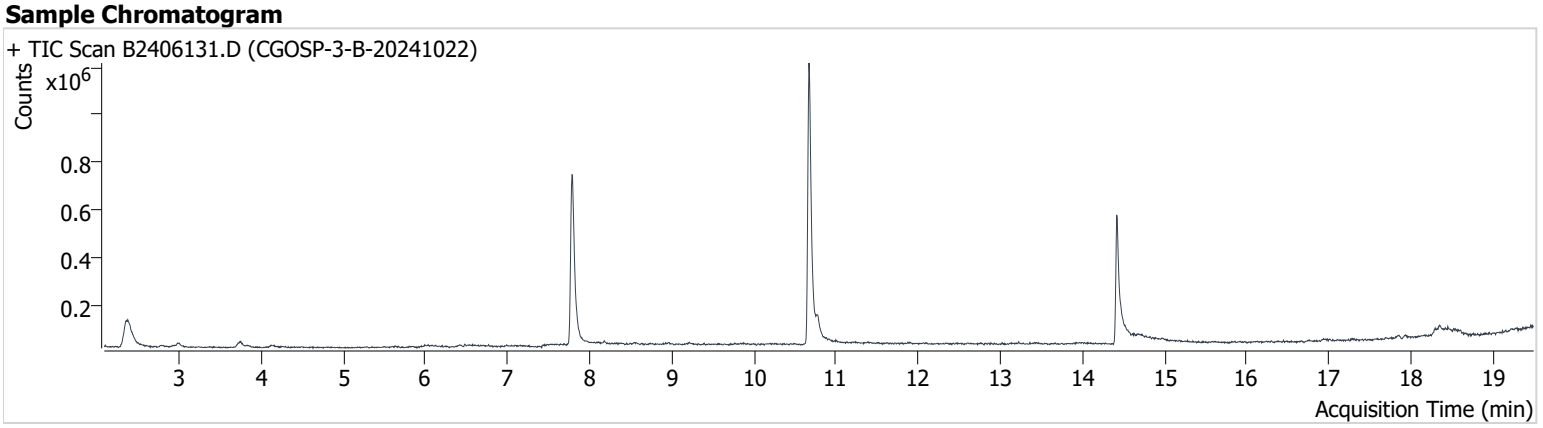
o-Xylene


+ EIC (91.1) Scan B2406130.D
Counts
x10^3
13.940 min.
3
2.5
2
1.5
1
0.5
0
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
14.4
Acquisition Time (min)


+ Scan (13.916-13.988 min, 13 scans) B2406130.D
Counts
x10^3
Lib Match Score=44.7
41.0
67.0
56.0
77.9
91.0
95.2
106.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
0.5
0
-0.5
-1
-1.5
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

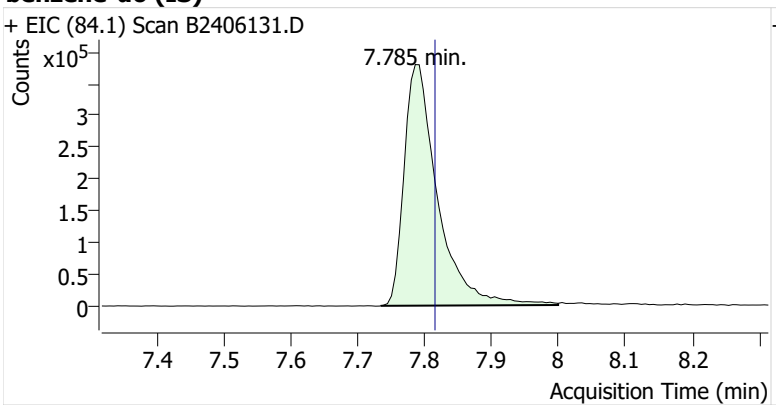
Name	CGOSP-3-B-20241022
Comment	C40166
Data File	B2406131.D
Acq. Date-Time	11/12/2024 9:55:56 PM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

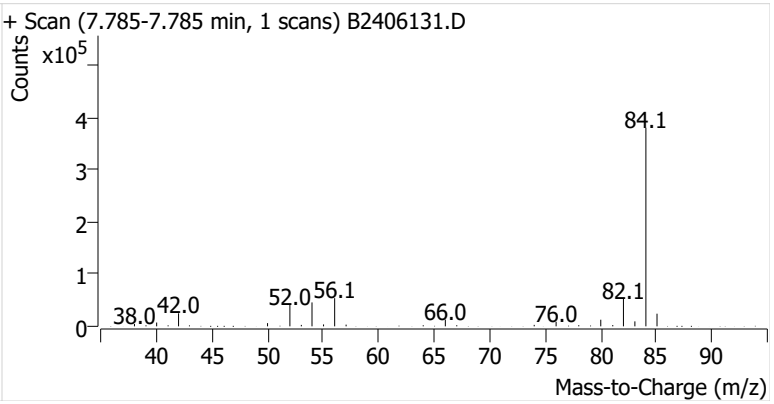
Sample Chromatogram



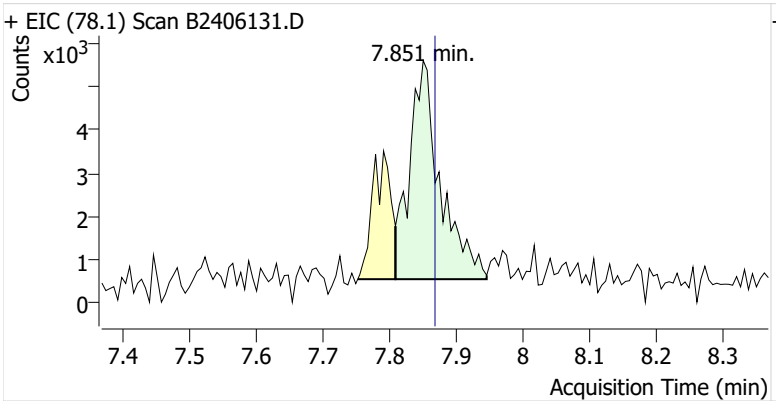
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.785	7.815	1,323,819	
Benzene	benzene-d6 (IS)	7.851	7.868	16,339	
Toluene-d8 (IS)		10.670	10.693	1,443,471	
Toluene	Toluene-d8 (IS)	10.777	10.794	87,282	
Ethylbenzene	Toluene-d8 (IS)	13.216	13.198	4,603	
m-/p-Xylene	Toluene-d8 (IS)	13.448	13.412	5,834	
o-Xylene	Toluene-d8 (IS)	13.940	13.934	2,750	

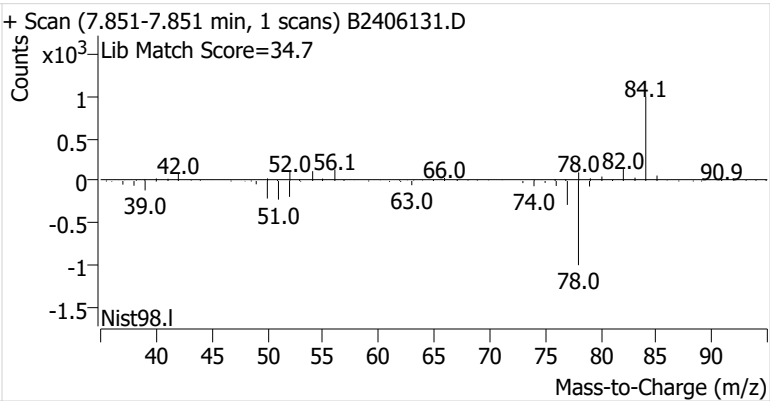
benzene-d6 (IS)



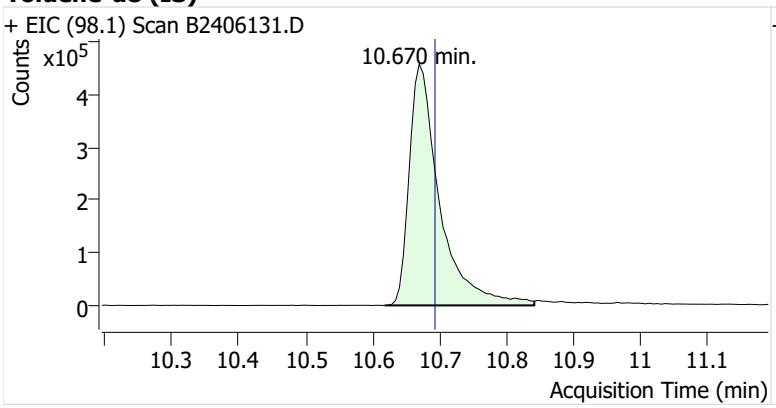


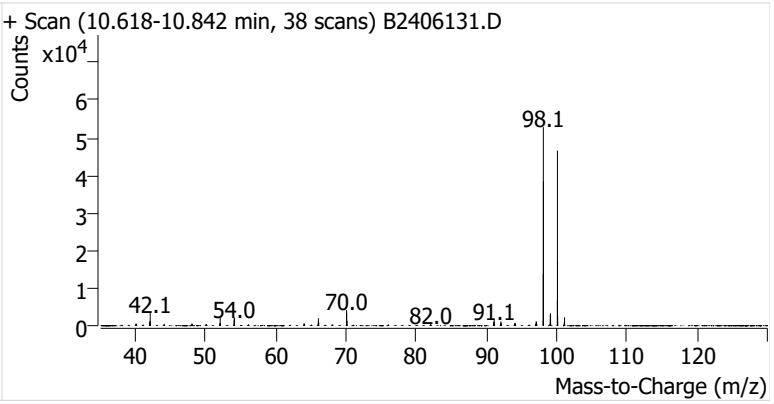
Benzene



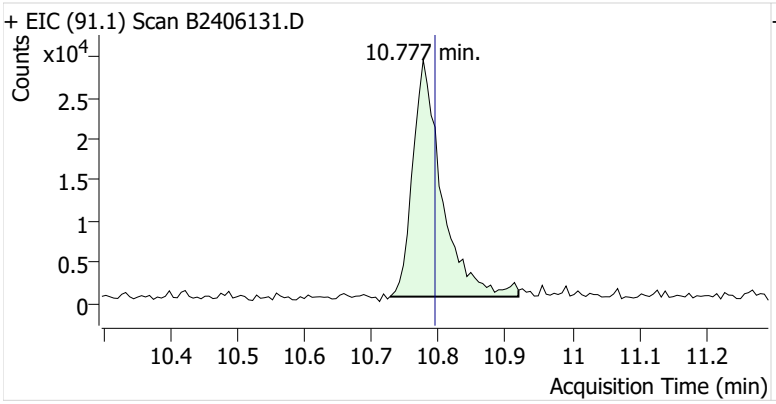


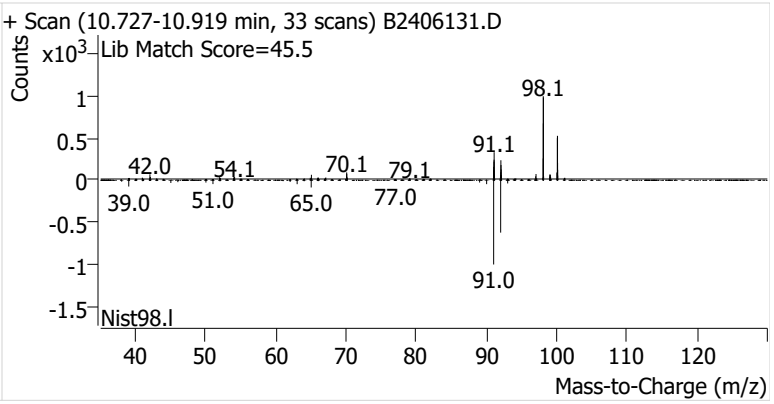
Toluene-d8 (IS)



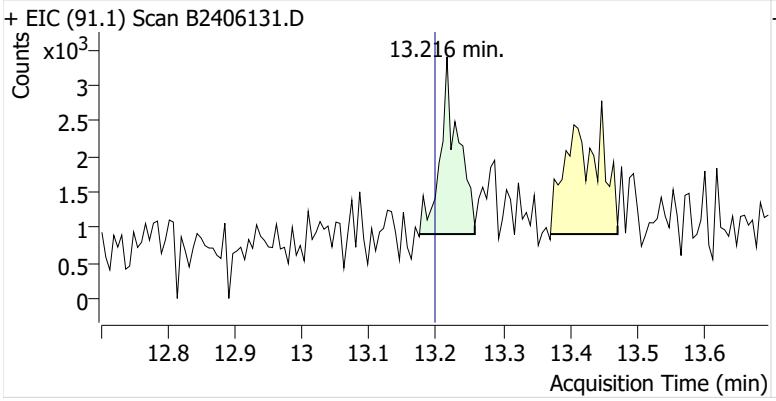


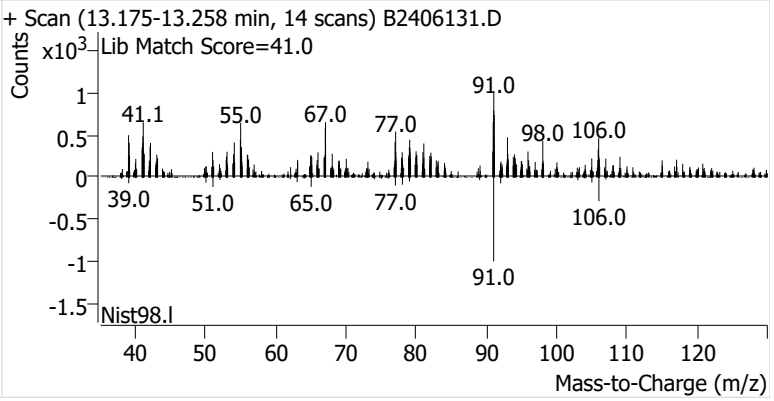
Toluene



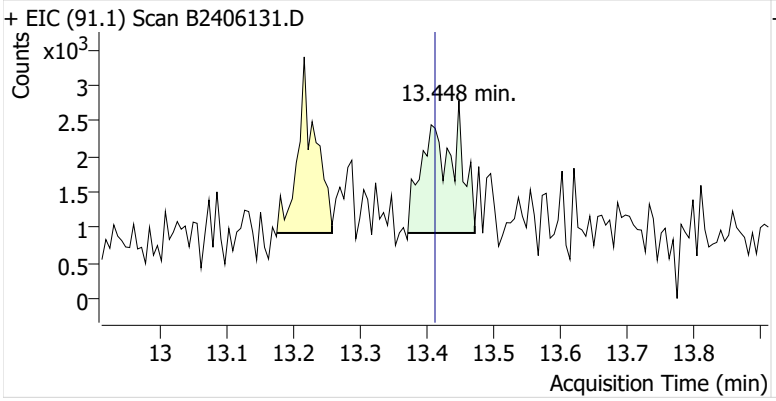


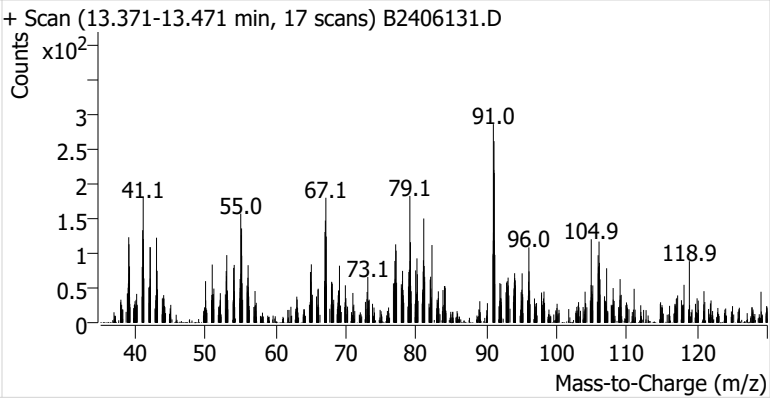
Ethylbenzene



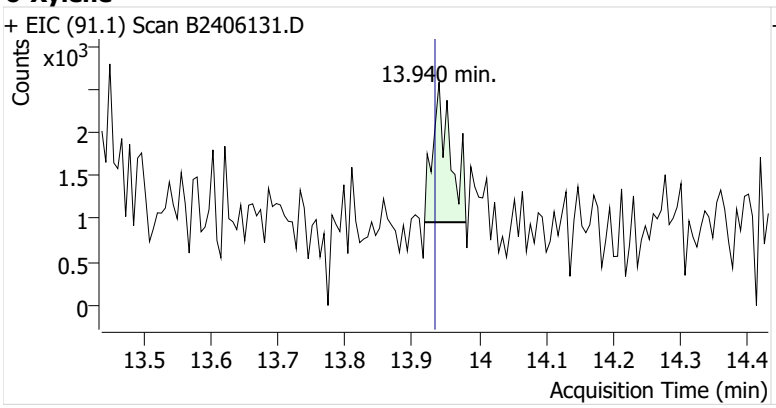


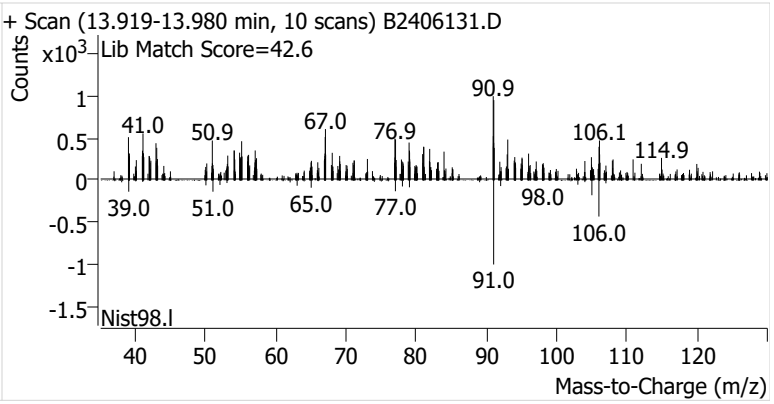
m-/p-Xylene





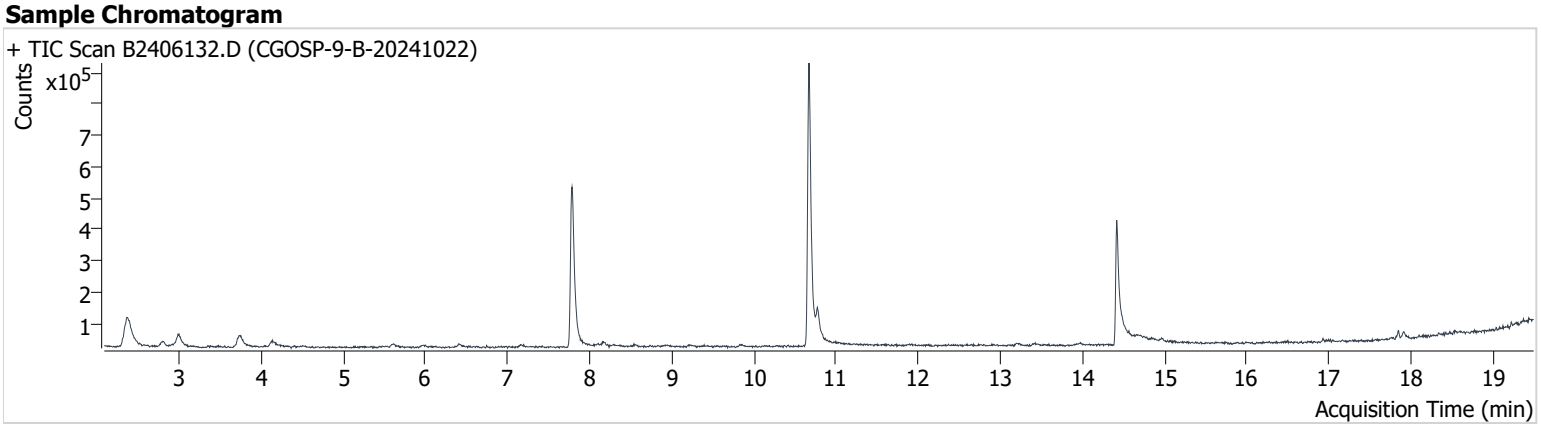
o-Xylene


+ EIC (91.1) Scan B2406131.D
Counts
x10^3
13.940 min.
2
1.5
1
0.5
0
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)


+ Scan (13.919-13.980 min, 10 scans) B2406131.D
Lib Match Score=42.6
Counts
x10^3
1
0.5
0
-0.5
-1
-1.5
41.0
50.9
67.0
76.9
90.9
106.1
114.9
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

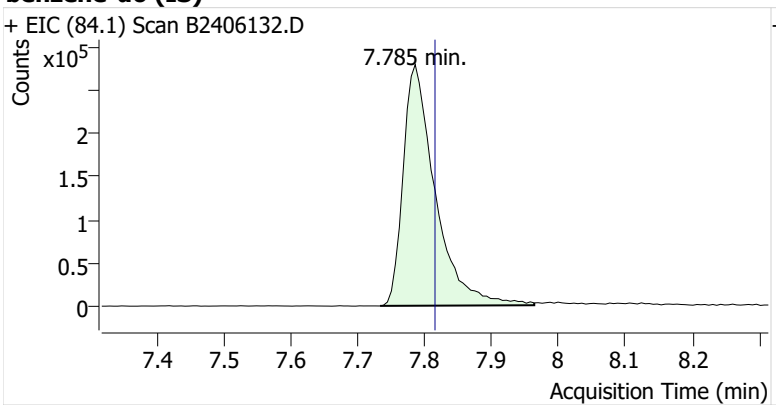
Name	CGOSP-9-B-20241022
Comment	B46217
Data File	B2406132.D
Acq. Date-Time	11/12/2024 10:33:16 PM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

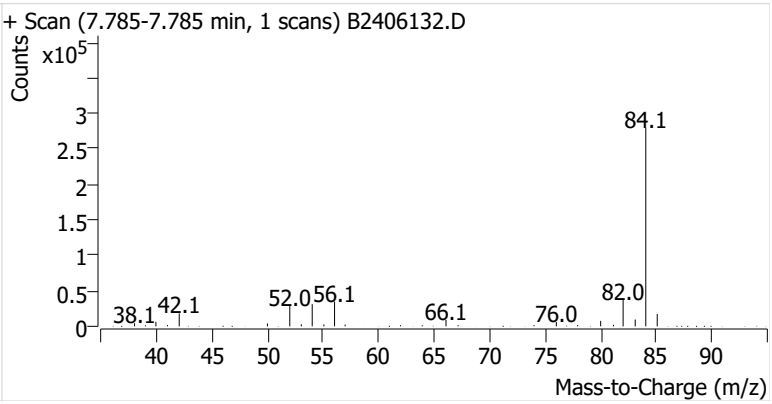
Sample Chromatogram



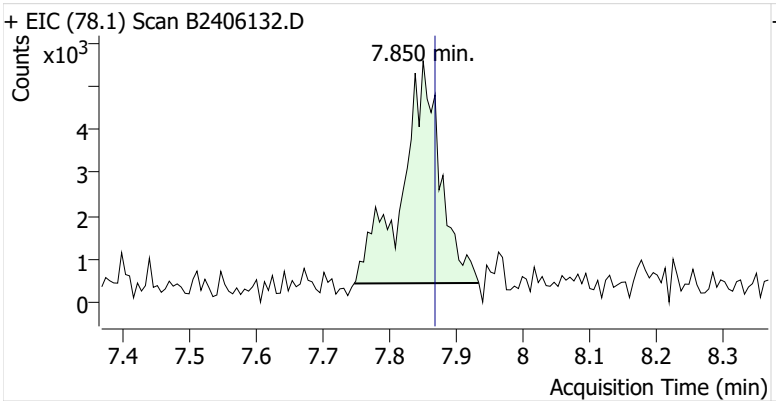
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.785	7.815	932,892	
Benzene	benzene-d6 (IS)	7.850	7.868	20,811	
Toluene-d8 (IS)		10.670	10.693	1,050,560	
Toluene	Toluene-d8 (IS)	10.777	10.794	110,158	
Ethylbenzene	Toluene-d8 (IS)	13.216	13.198	9,966	m
m-/p-Xylene	Toluene-d8 (IS)	13.406	13.412	9,563	
o-Xylene	Toluene-d8 (IS)	13.928	13.934	4,791	

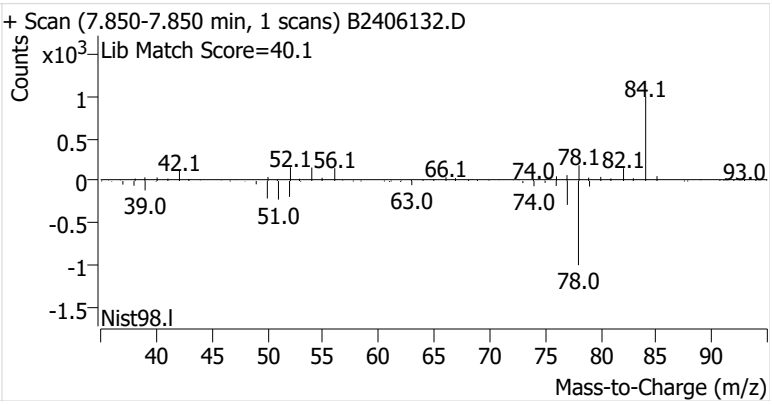
benzene-d6 (IS)



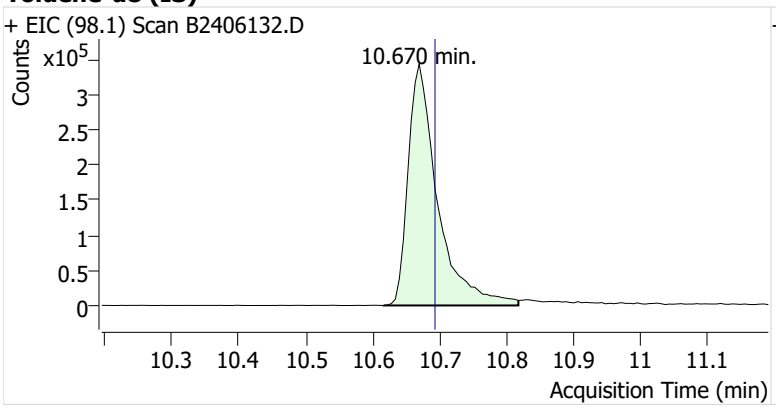


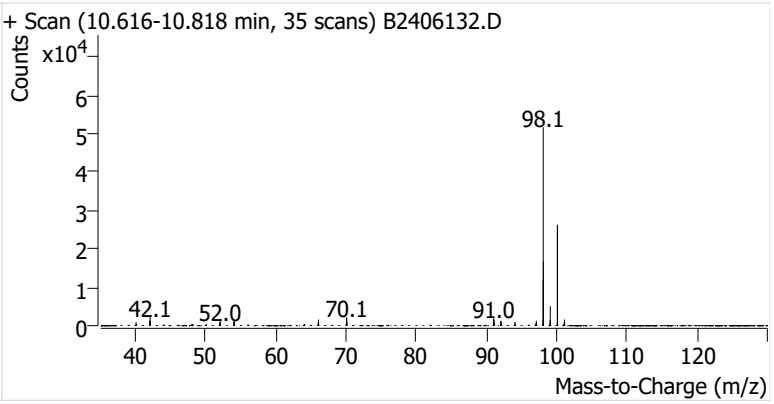
Benzene



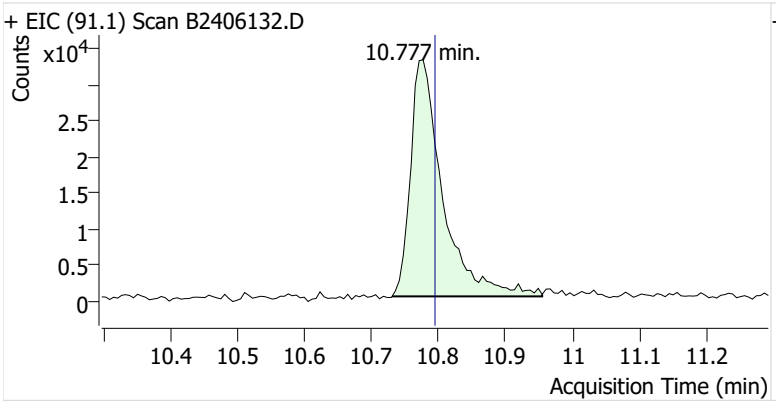


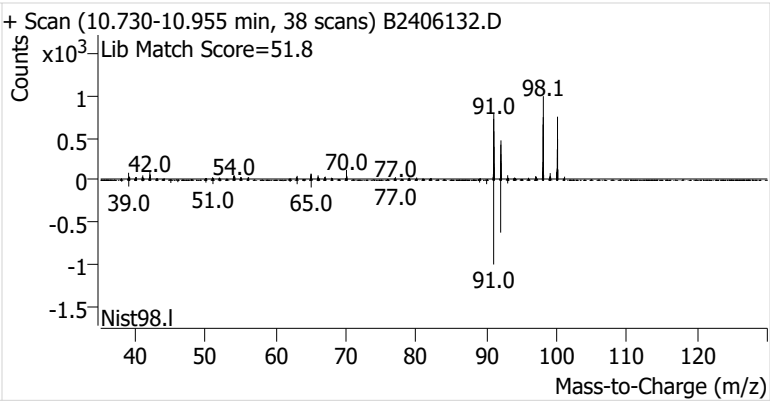
Toluene-d8 (IS)



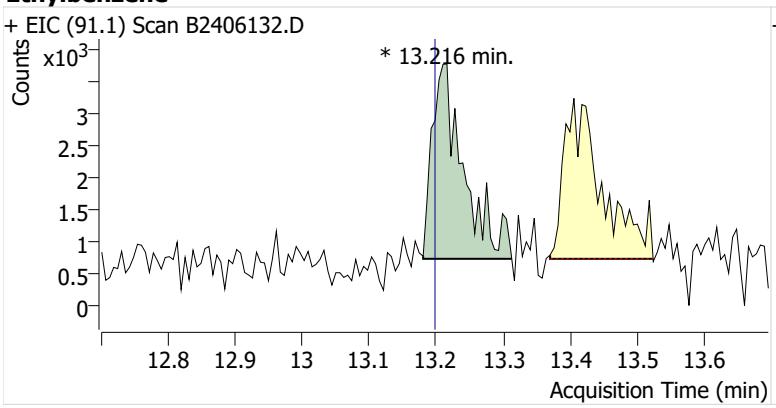


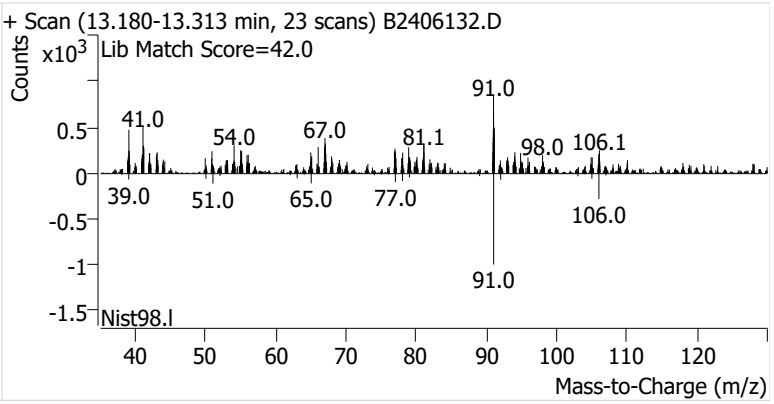
Toluene



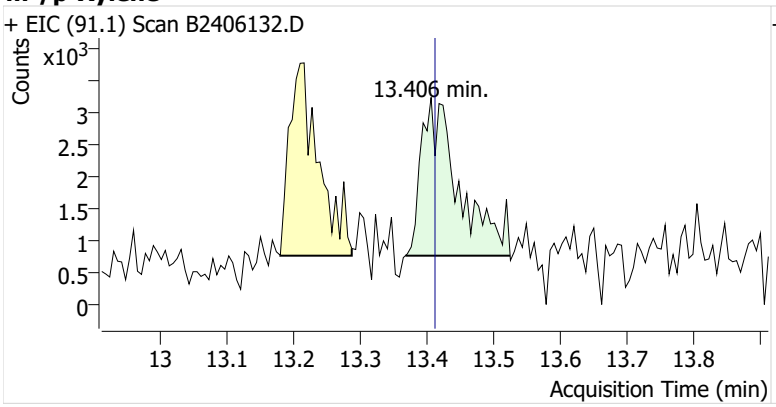


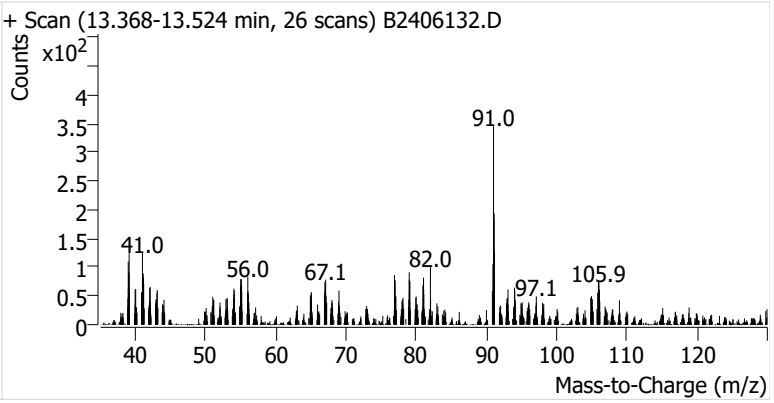
Ethylbenzene



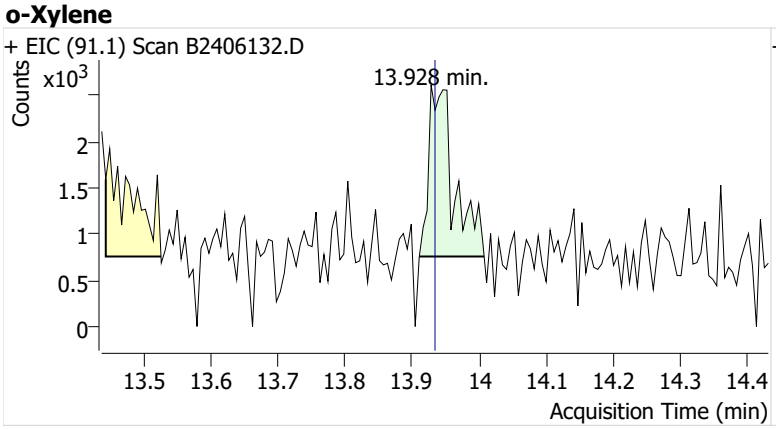


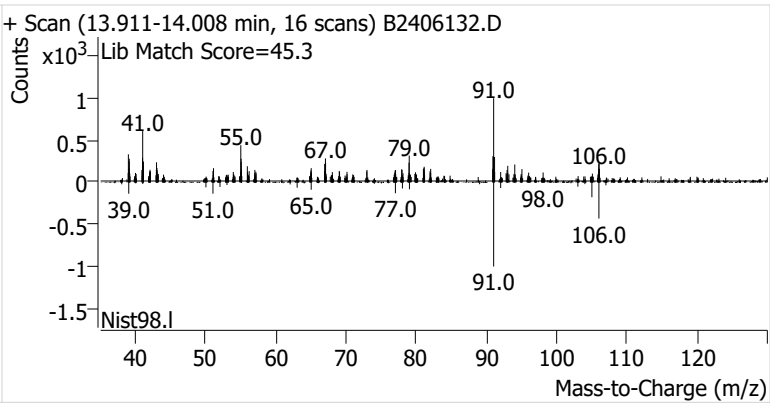
m-/p-Xylene





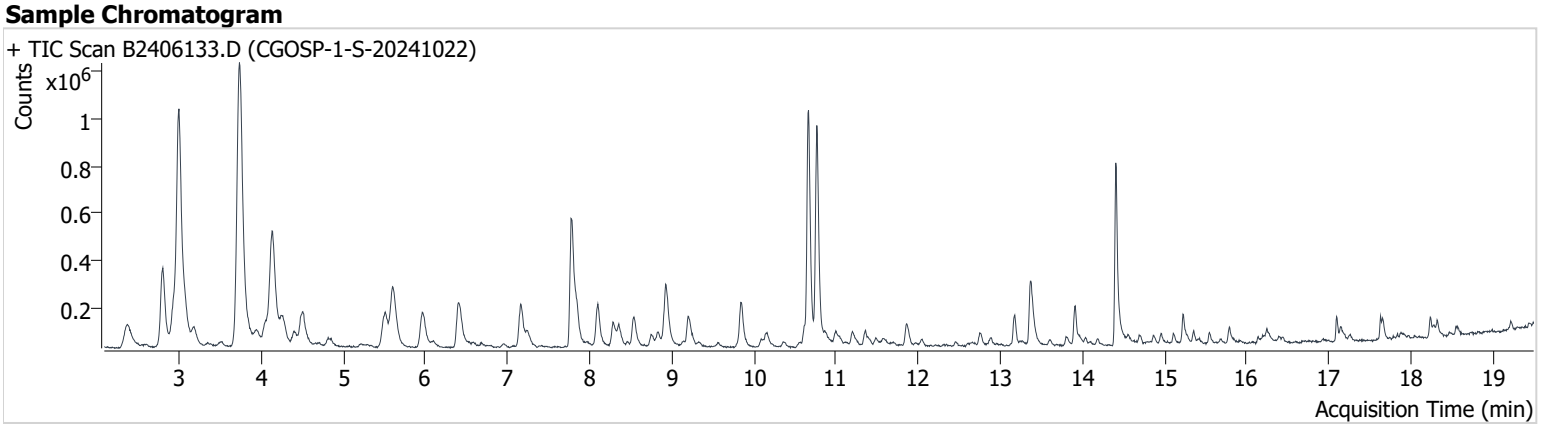
o-Xylene


+ EIC (91.1) Scan B2406132.D
Counts
x10^3
13.928 min.
2
1.5
1
0.5
0
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)


+ Scan (13.911-14.008 min, 16 scans) B2406132.D
Lib Match Score=45.3
Counts
x10^3
1
0.5
0
-0.5
-1
-1.5
41.0
55.0
67.0
79.0
91.0
106.0
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

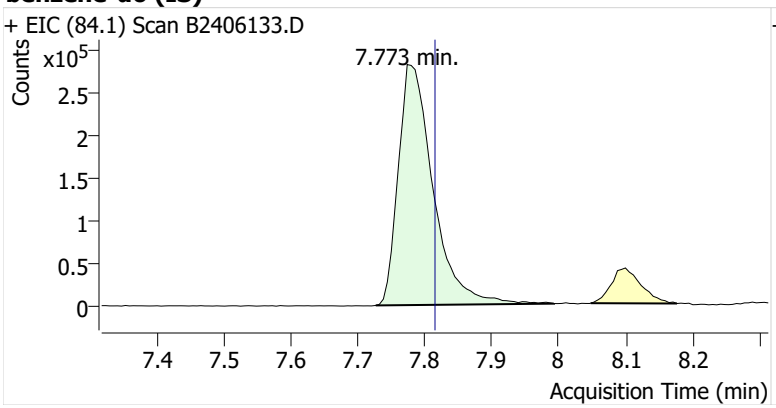
Name	CGOSP-1-S-20241022
Comment	B35504
Data File	B2406133.D
Acq. Date-Time	11/12/2024 11:10:36 PM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

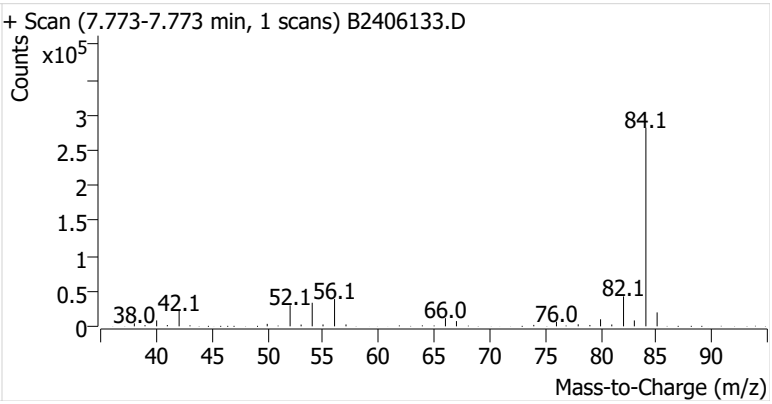
Sample Chromatogram



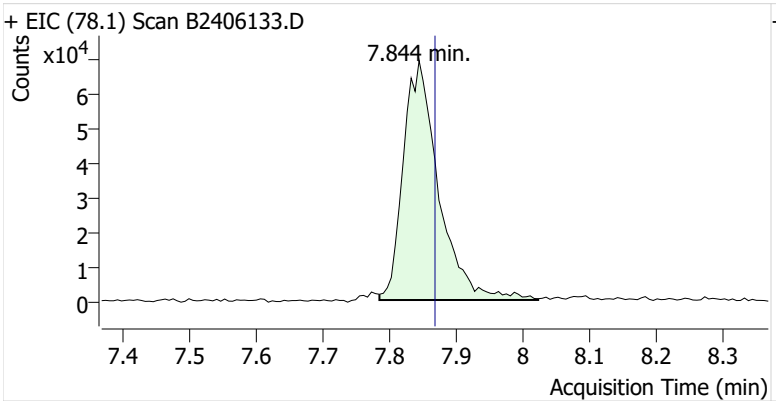
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.773	7.815	1,017,796	
Benzene	benzene-d6 (IS)	7.844	7.868	254,036	
Toluene-d8 (IS)		10.664	10.693	1,108,534	
Toluene	Toluene-d8 (IS)	10.765	10.794	1,037,412	
Ethylbenzene	Toluene-d8 (IS)	13.174	13.198	149,656	
m-/p-Xylene	Toluene-d8 (IS)	13.364	13.412	340,237	
o-Xylene	Toluene-d8 (IS)	13.904	13.934	156,015	

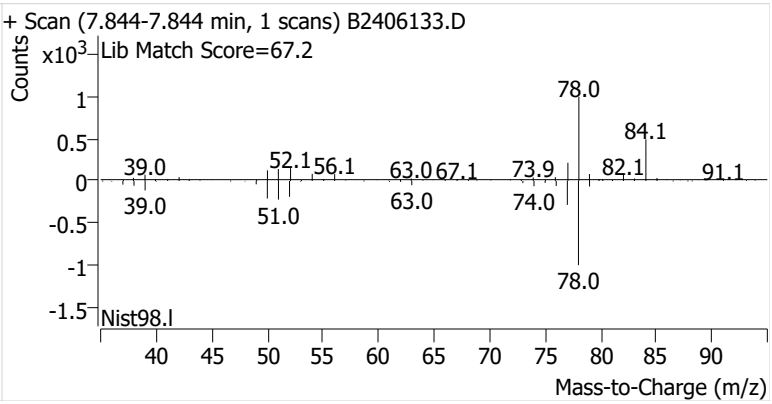
benzene-d6 (IS)



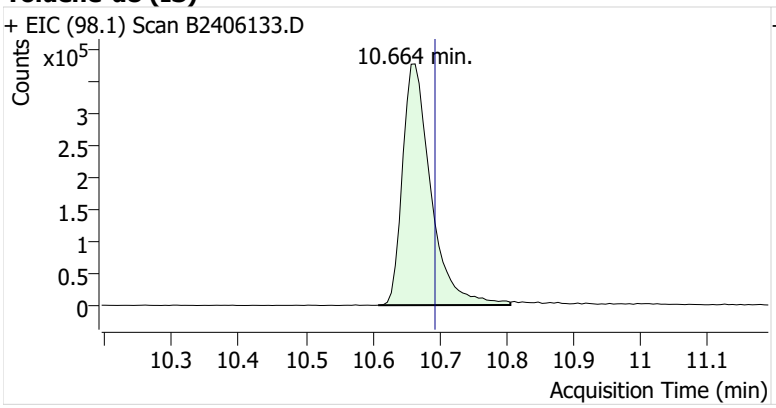


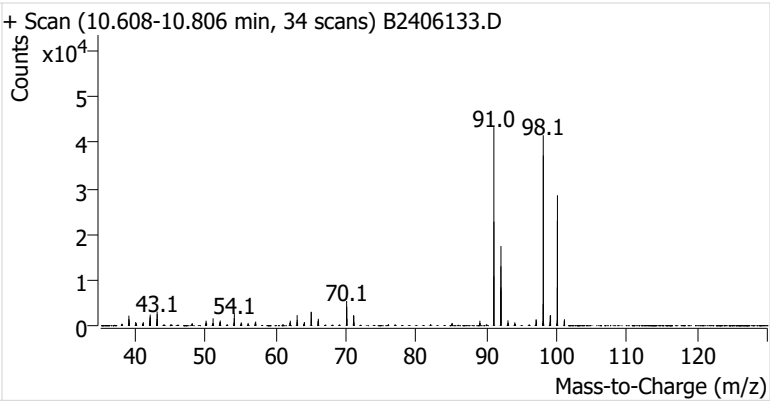
Benzene



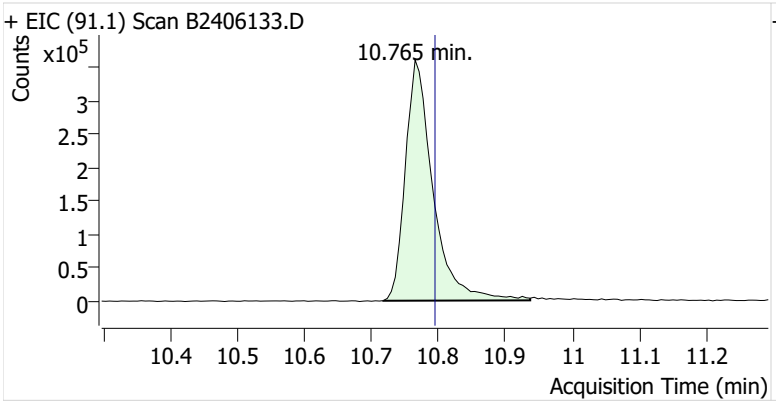


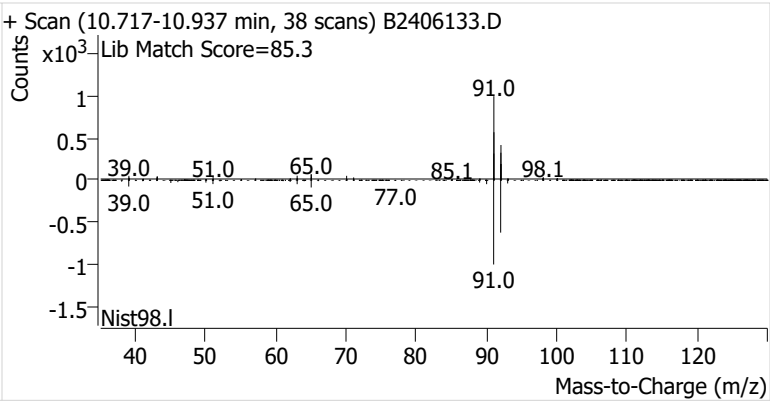
Toluene-d8 (IS)



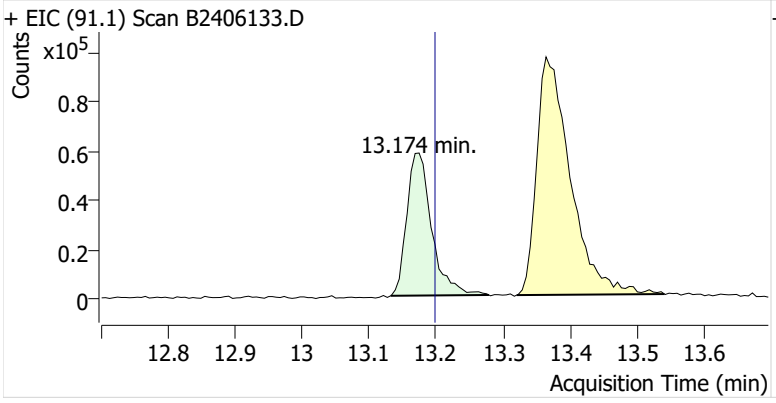


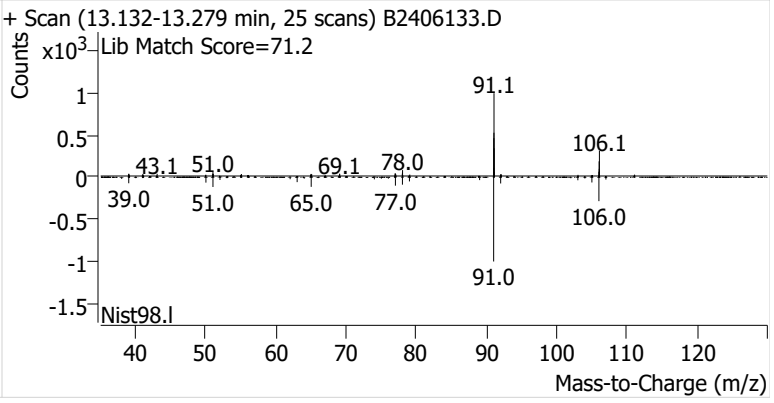
Toluene



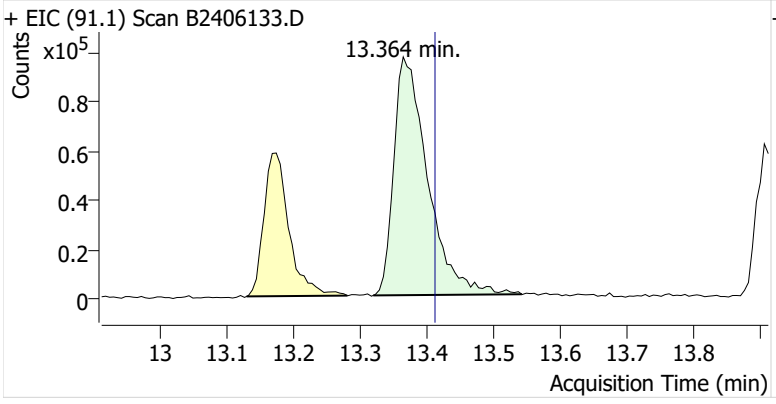


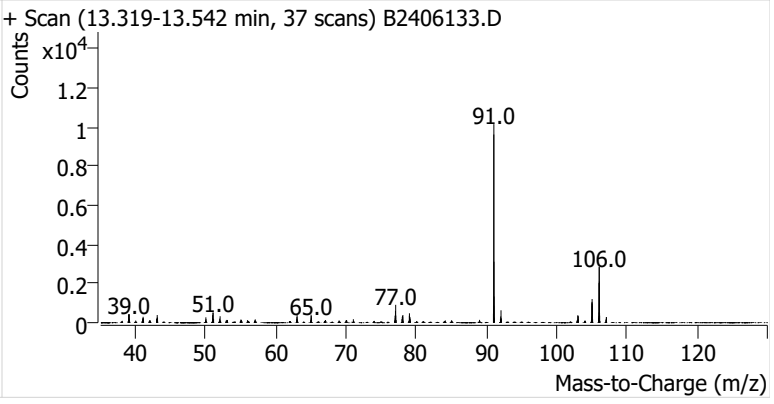
Ethylbenzene



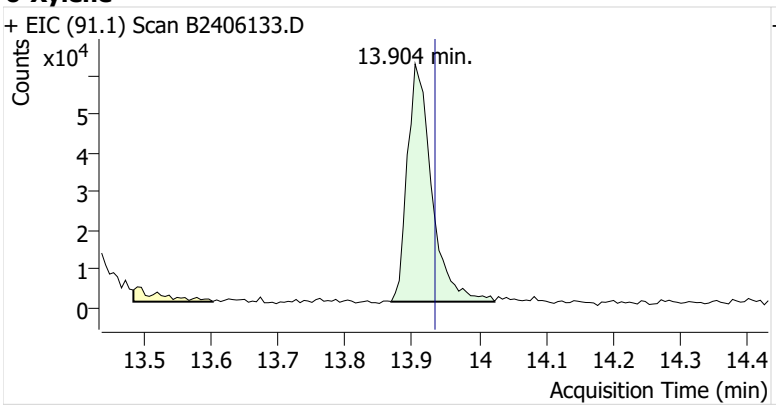


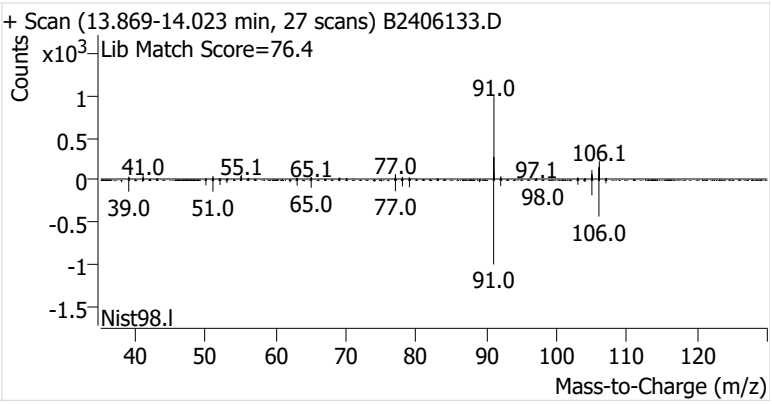
m-/p-Xylene





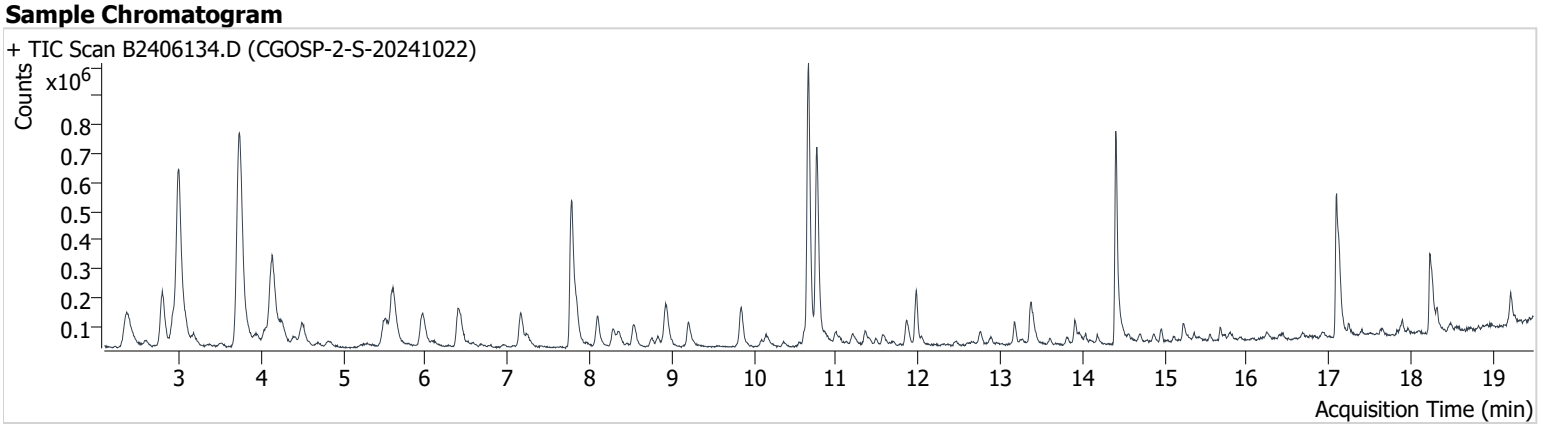
o-Xylene


+ EIC (91.1) Scan B2406133.D
Counts
x10^4
13.904 min.
Acquisition Time (min)


+ Scan (13.869-14.023 min, 27 scans) B2406133.D
Counts
x10^3
Lib Match Score=76.4
91.0
41.0
55.1
65.1
77.0
97.1
106.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
Mass-to-Charge (m/z)

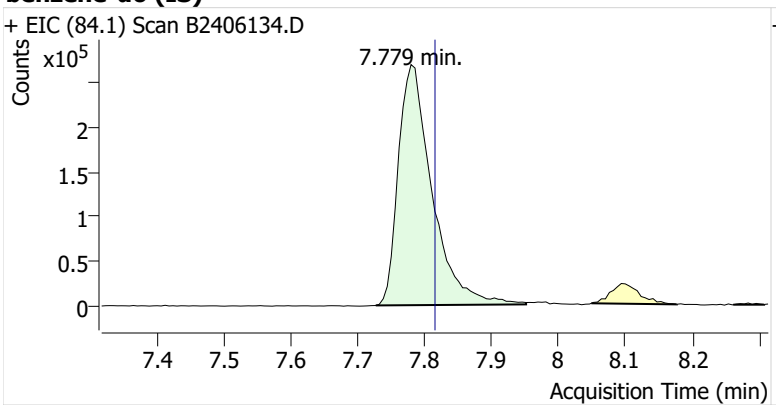
Name	CGOSP-2-S-20241022
Comment	C38907
Data File	B2406134.D
Acq. Date-Time	11/12/2024 11:47:55 PM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

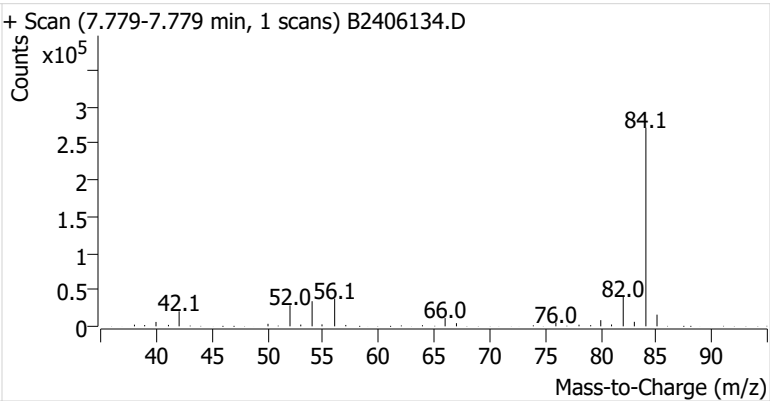
Sample Chromatogram



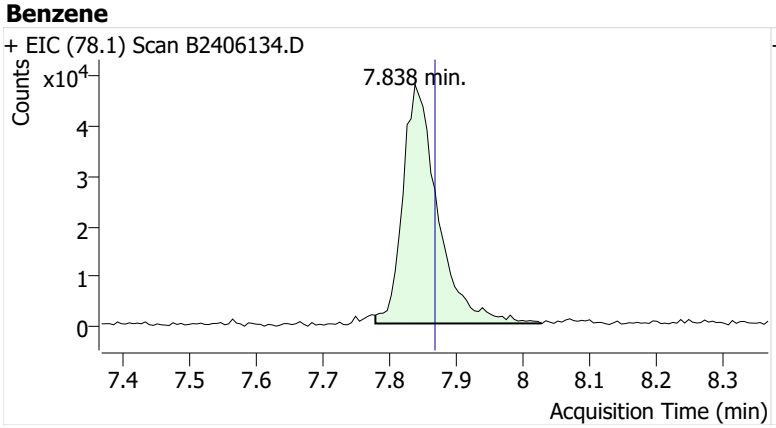
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.779	7.815	945,177	
Benzene	benzene-d6 (IS)	7.838	7.868	175,077	
Toluene-d8 (IS)		10.664	10.693	1,101,177	
Toluene	Toluene-d8 (IS)	10.764	10.794	803,520	
Ethylbenzene	Toluene-d8 (IS)	13.174	13.198	85,037	
m-/p-Xylene	Toluene-d8 (IS)	13.370	13.412	177,420	
o-Xylene	Toluene-d8 (IS)	13.904	13.934	71,721	

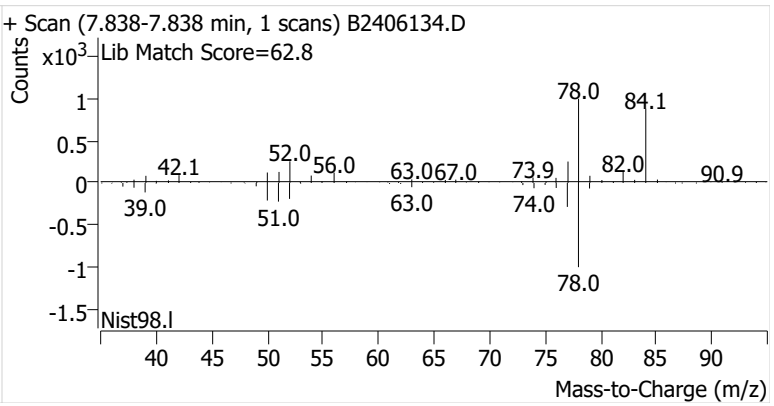
benzene-d6 (IS)



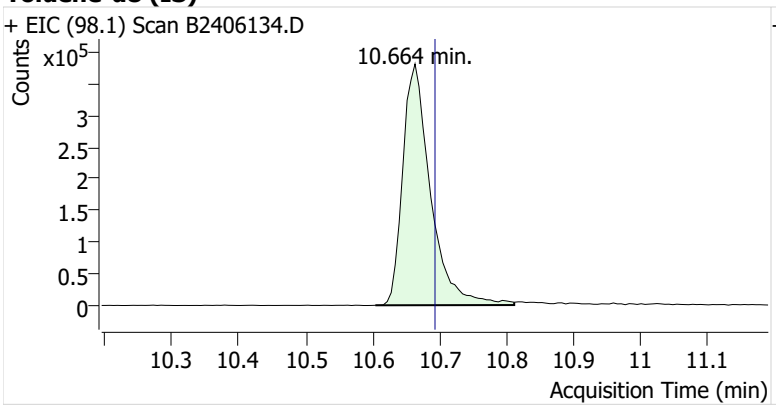


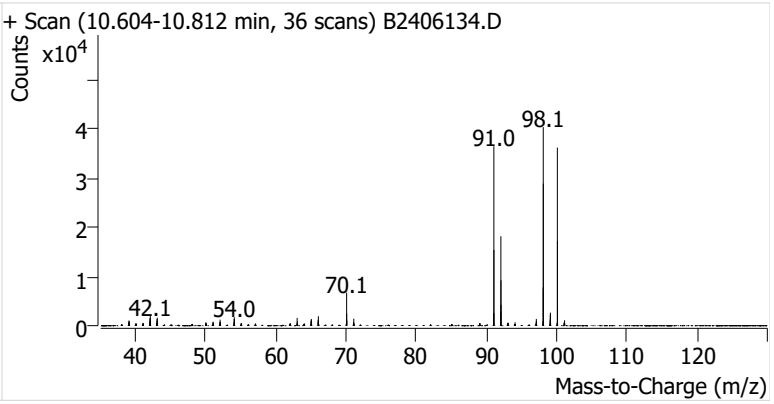
Benzene



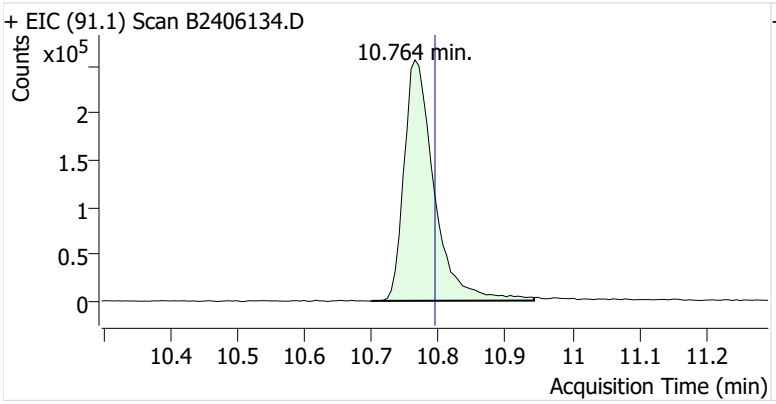


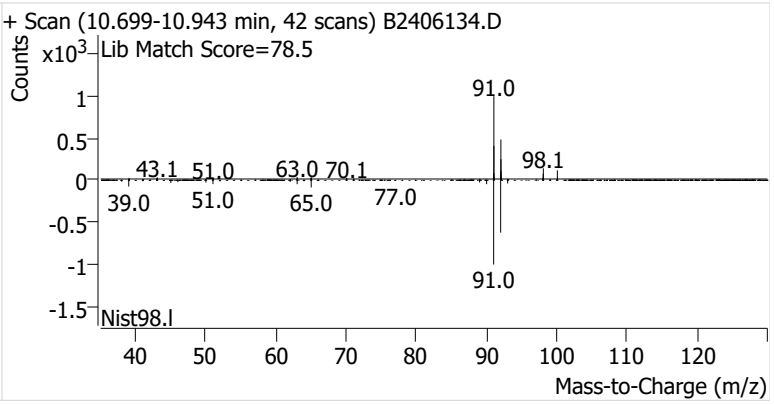
Toluene-d8 (IS)



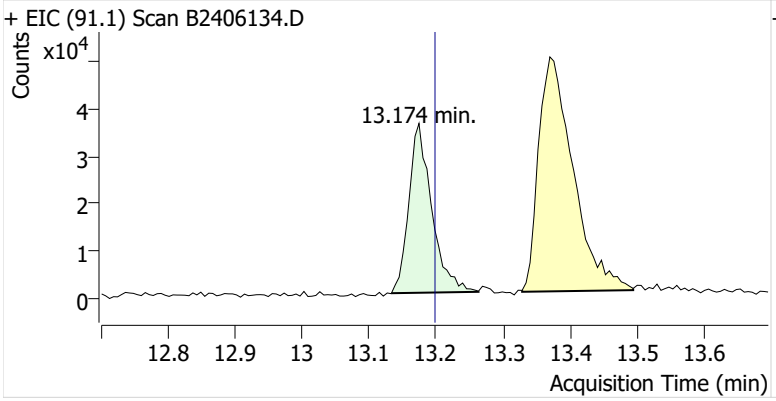


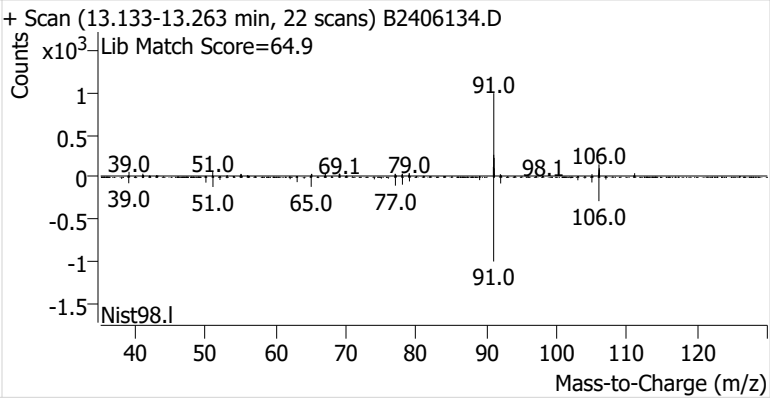
Toluene



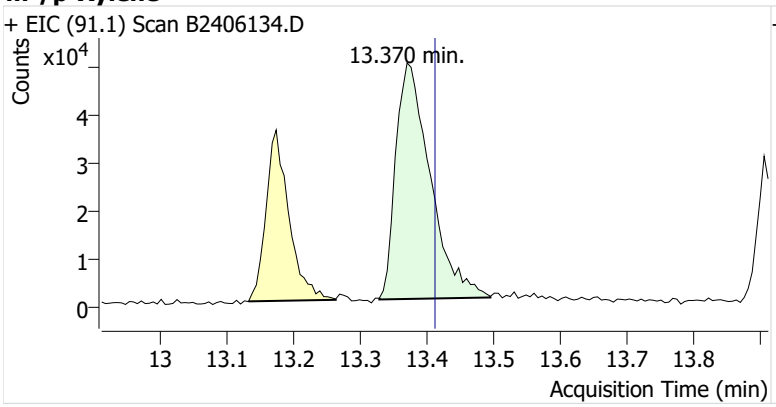


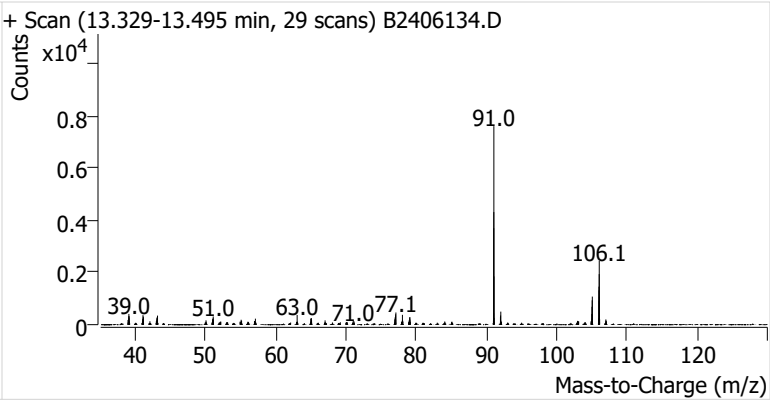
Ethylbenzene



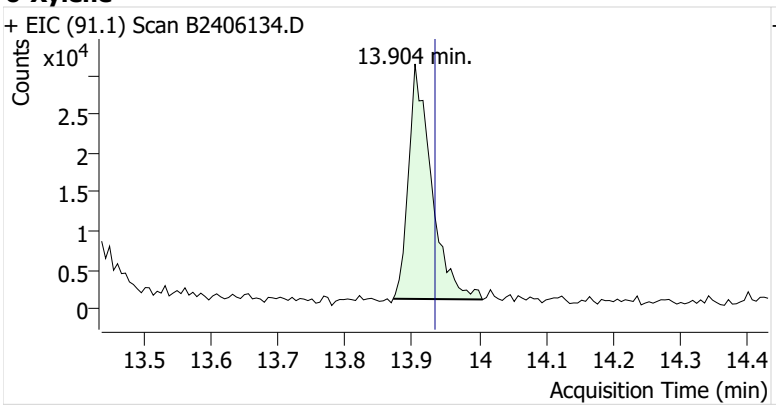


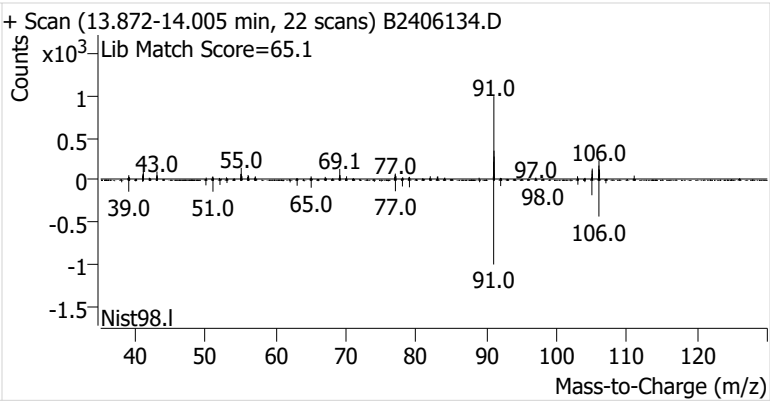
m-/p-Xylene





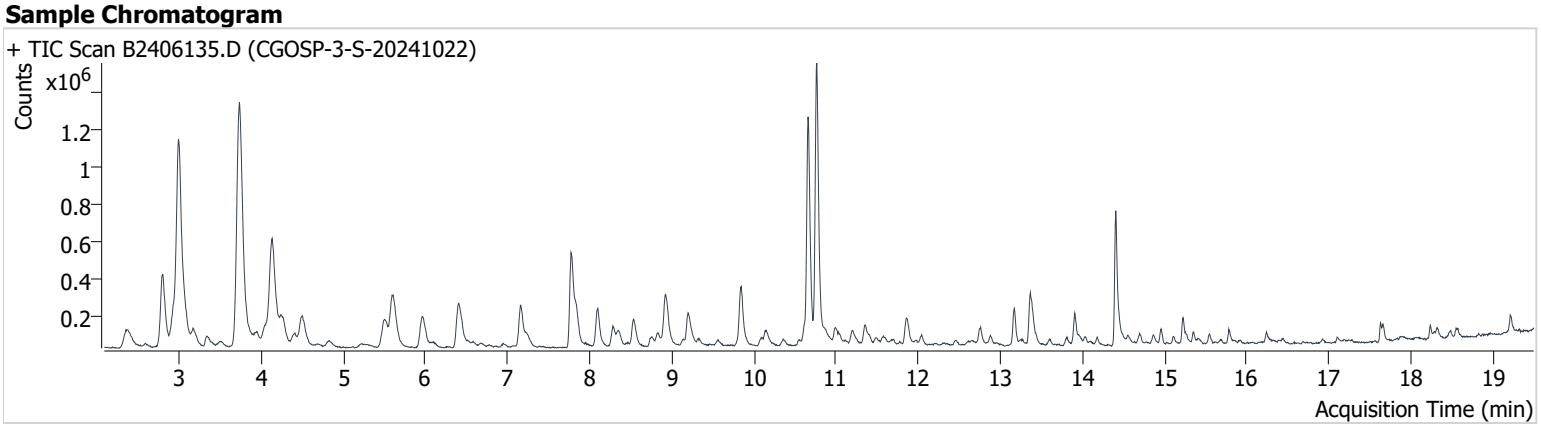
o-Xylene


+ EIC (91.1) Scan B2406134.D
Counts
x10^4
13.904 min.
2.5
2
1.5
1
0.5
0
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)


+ Scan (13.872-14.005 min, 22 scans) B2406134.D
Counts
x10^3
Lib Match Score=65.1
91.0
43.0
55.0
69.1
77.0
97.0
106.0
39.0
51.0
65.0
77.0
98.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

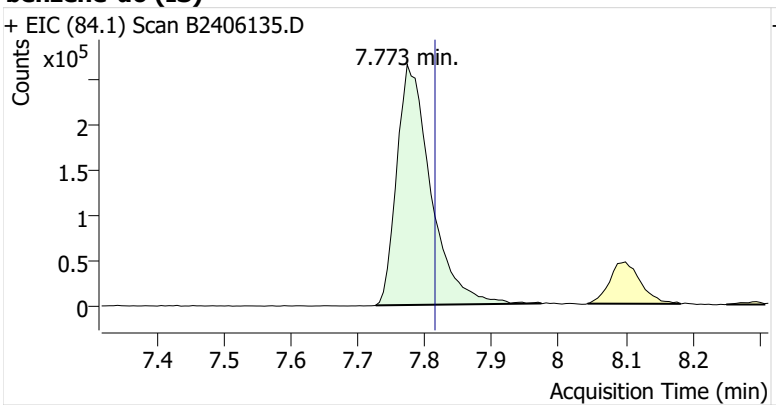
Name	CGOSP-3-S-20241022
Comment	B34557
Data File	B2406135.D
Acq. Date-Time	11/13/2024 12:25:15 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

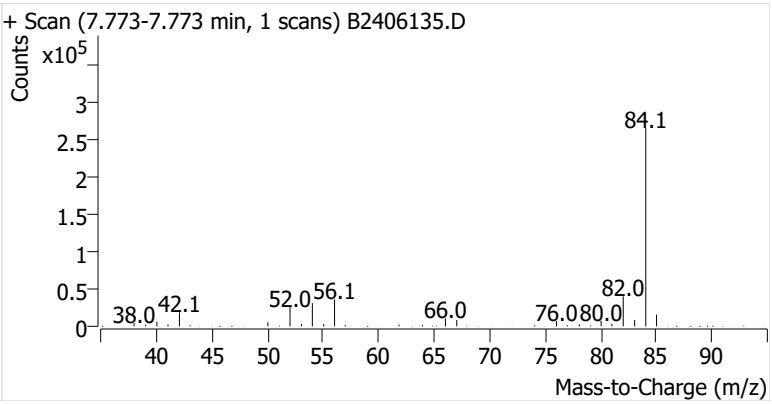
Sample Chromatogram



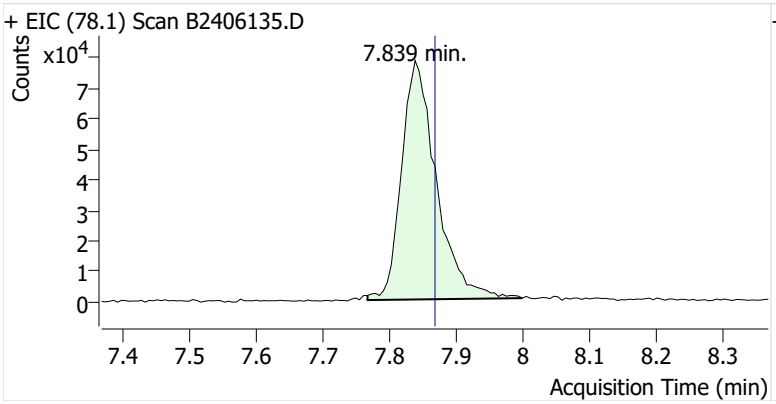
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.773	7.815	933,646	
Benzene	benzene-d6 (IS)	7.839	7.868	282,852	
Toluene-d8 (IS)		10.658	10.693	1,390,106	
Toluene	Toluene-d8 (IS)	10.765	10.794	1,816,692	
Ethylbenzene	Toluene-d8 (IS)	13.168	13.198	228,301	
m-/p-Xylene	Toluene-d8 (IS)	13.364	13.412	339,340	
o-Xylene	Toluene-d8 (IS)	13.904	13.934	152,012	

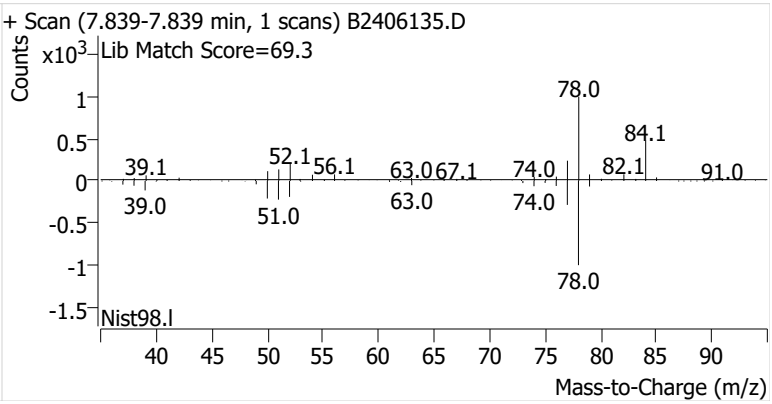
benzene-d6 (IS)



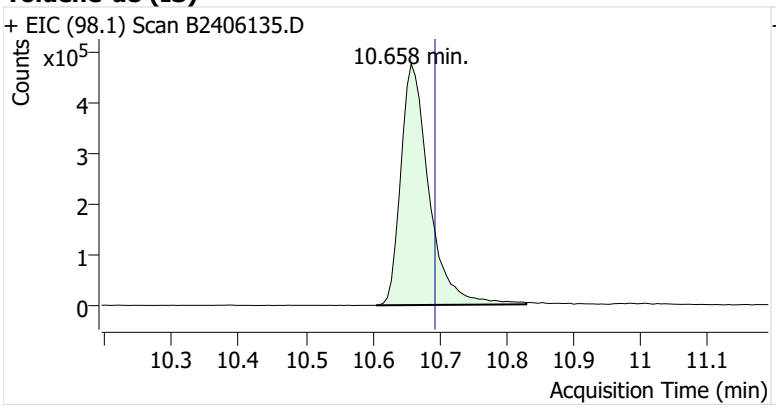


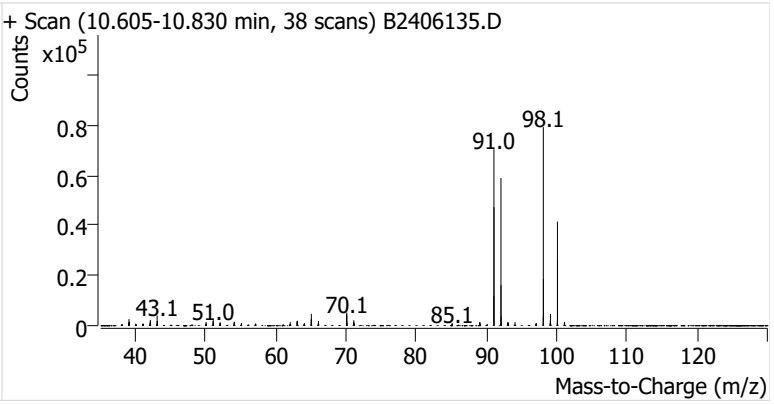
Benzene



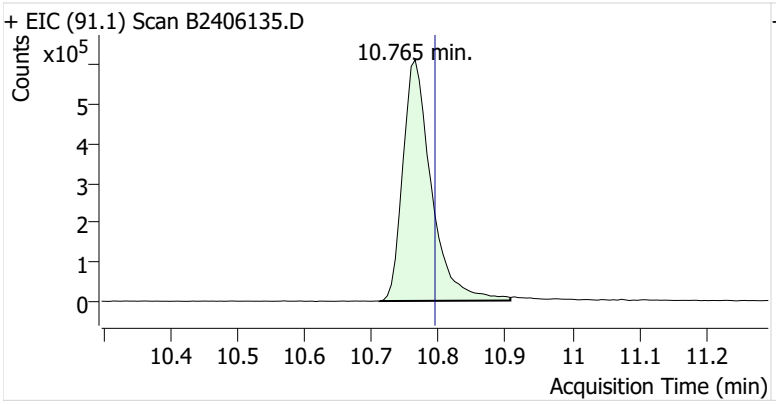


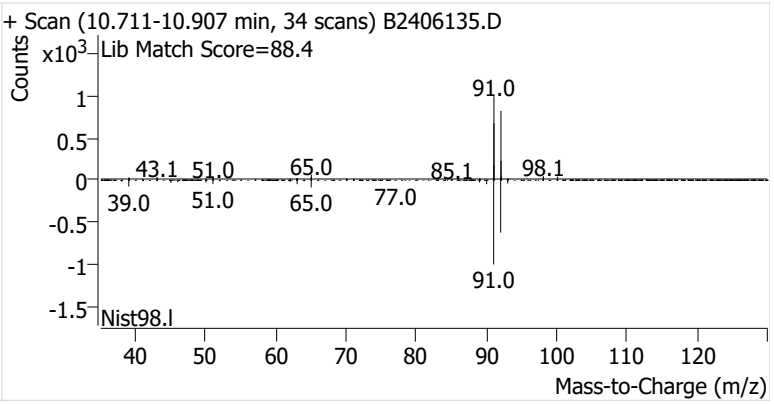
Toluene-d8 (IS)



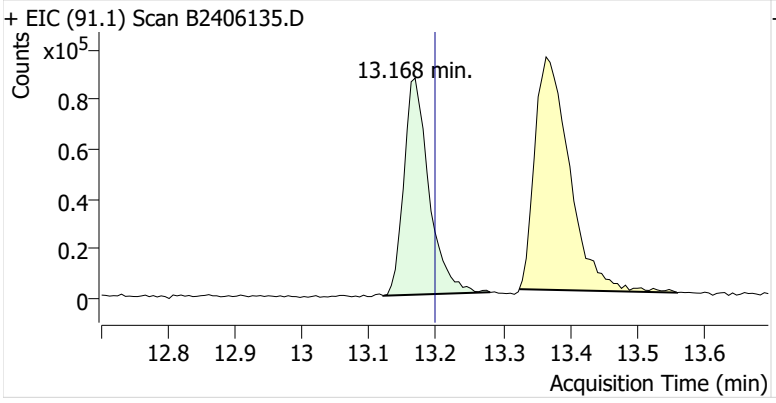


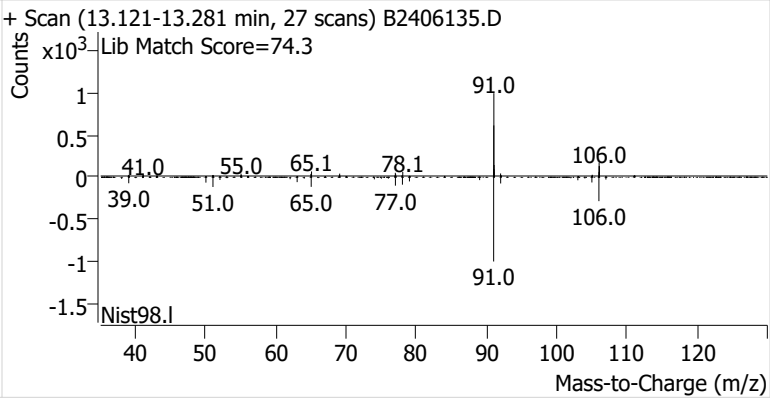
Toluene



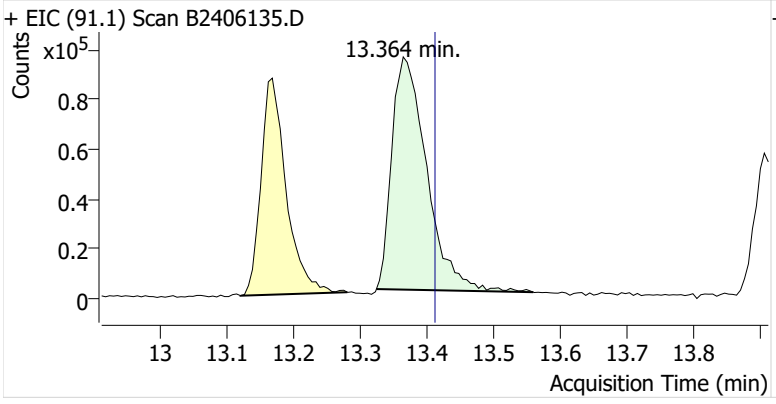


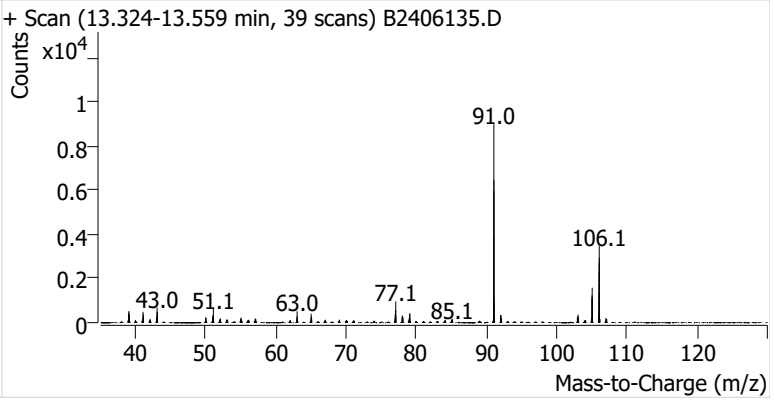
Ethylbenzene



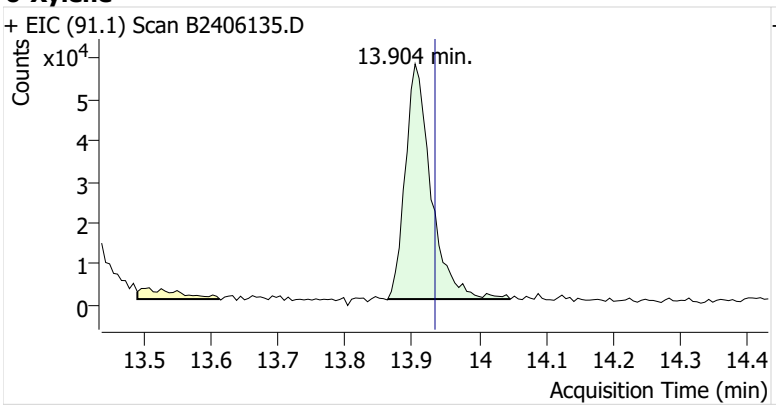


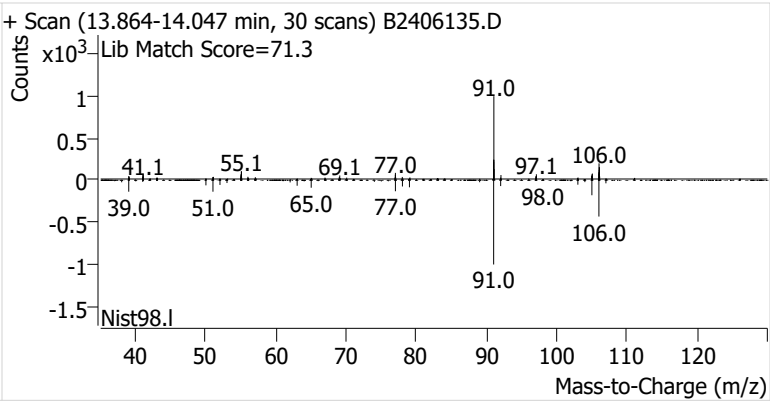
m-/p-Xylene





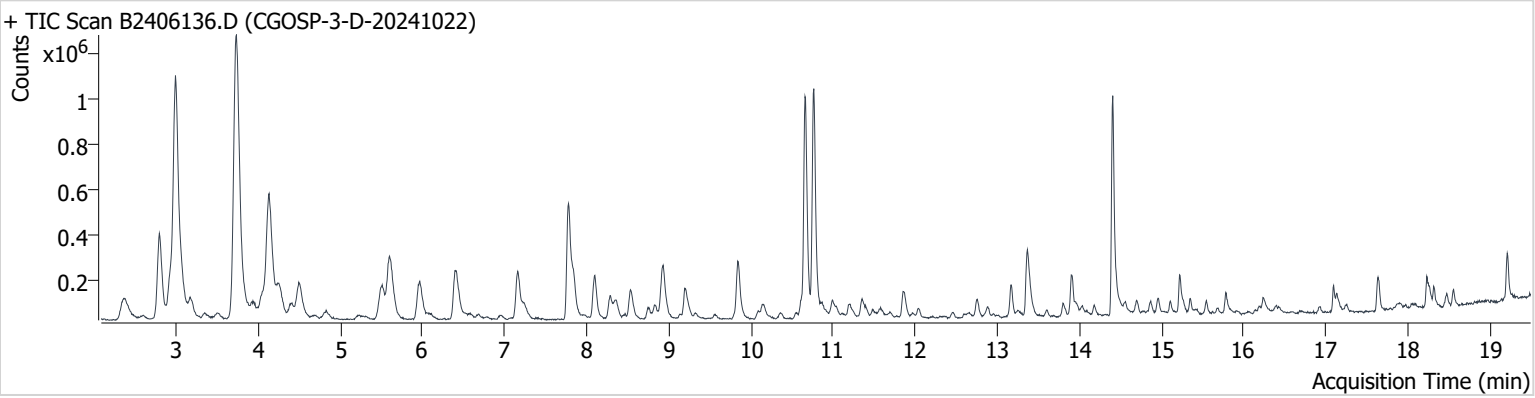
o-Xylene


+ EIC (91.1) Scan B2406135.D
Counts
x10^4
13.904 min.
Acquisition Time (min)


+ Scan (13.864-14.047 min, 30 scans) B2406135.D
Counts
x10^3
Lib Match Score=71.3
Nist98.l
Mass-to-Charge (m/z)

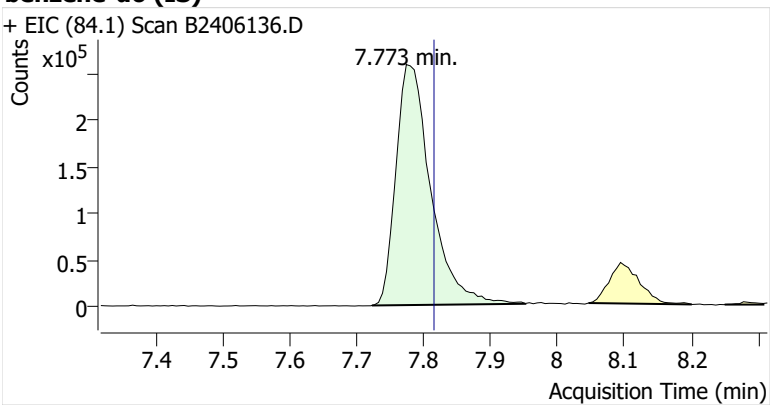
Name	CGOSP-3-D-20241022
Comment	C00835
Data File	B2406136.D
Acq. Date-Time	11/13/2024 1:02:34 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

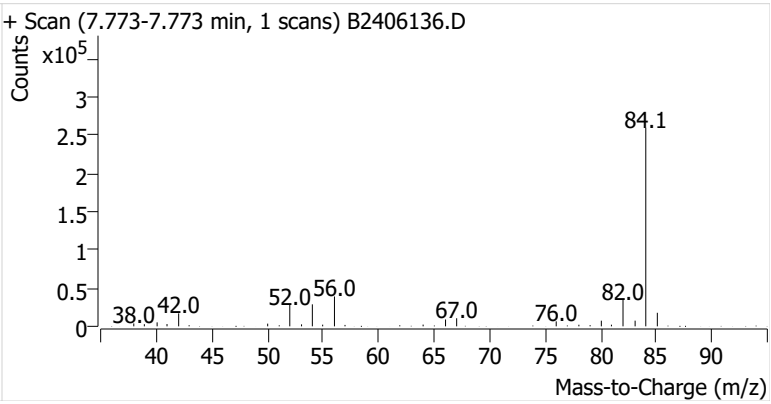
Sample Chromatogram



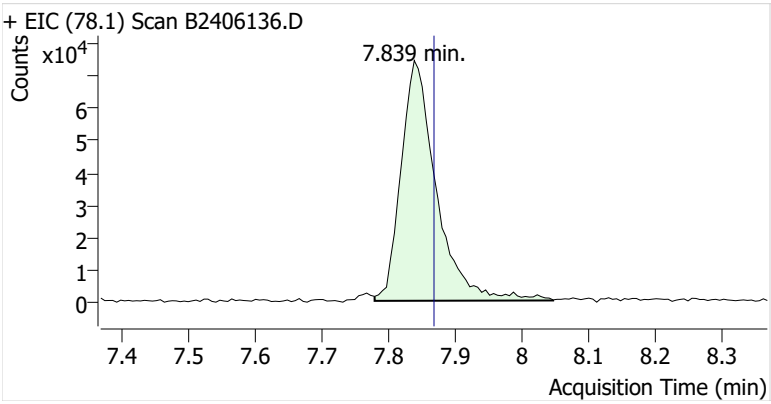
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.773	7.815	940,042	
Benzene	benzene-d6 (IS)	7.839	7.868	273,665	
Toluene-d8 (IS)		10.658	10.693	1,107,511	
Toluene	Toluene-d8 (IS)	10.765	10.794	1,161,837	
Ethylbenzene	Toluene-d8 (IS)	13.169	13.198	157,488	
m-/p-Xylene	Toluene-d8 (IS)	13.370	13.412	363,591	
o-Xylene	Toluene-d8 (IS)	13.905	13.934	172,404	

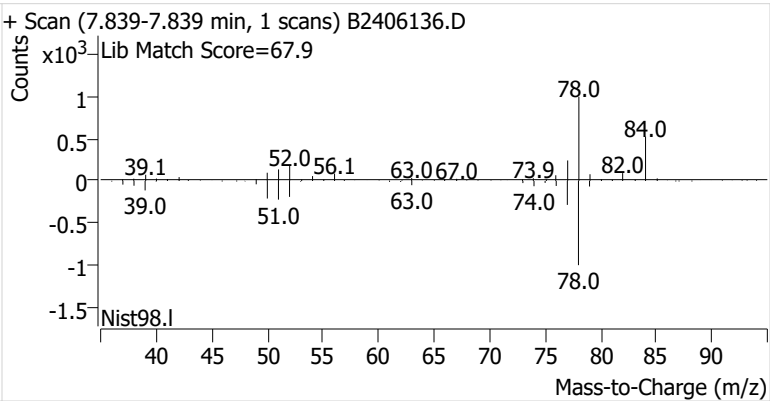
benzene-d6 (IS)



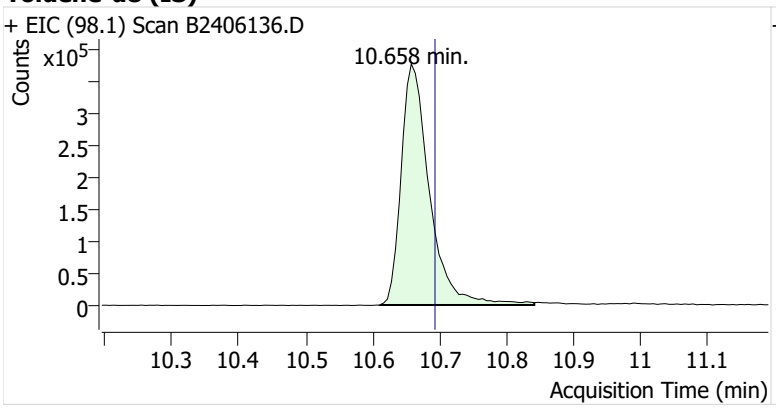


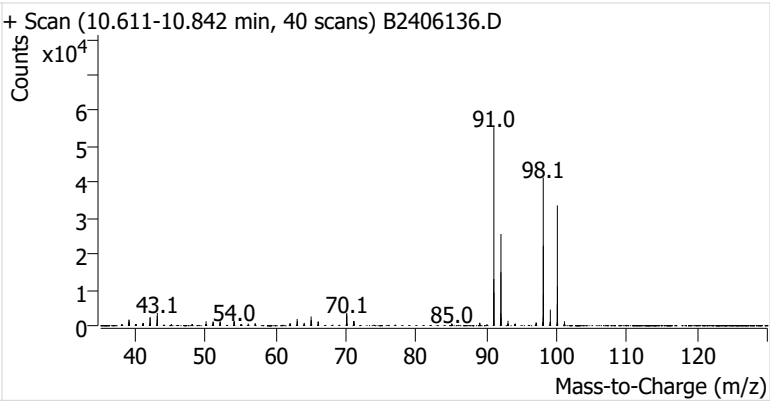
Benzene



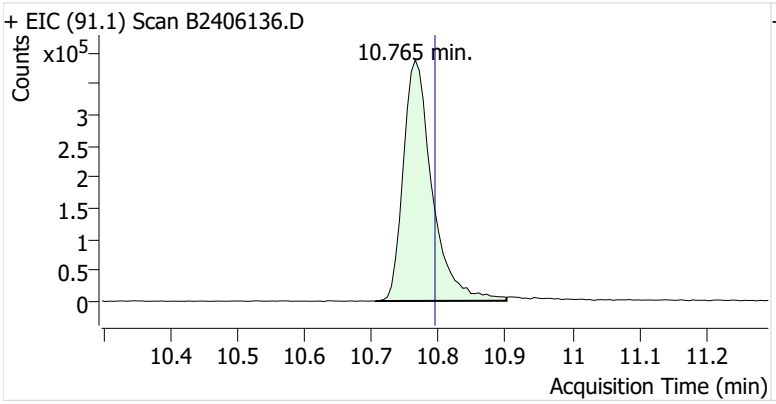


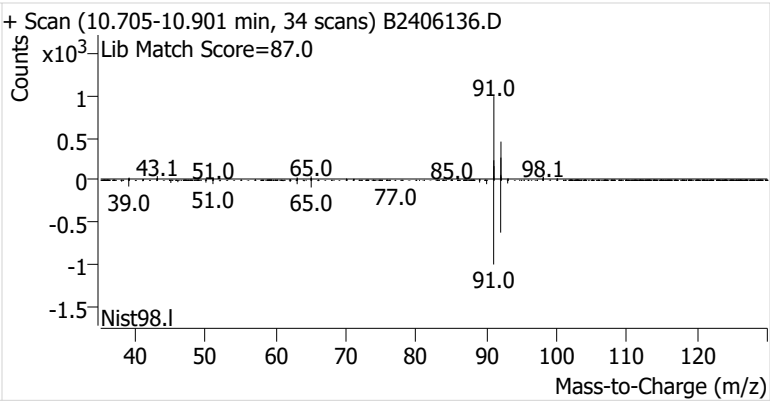
Toluene-d8 (IS)



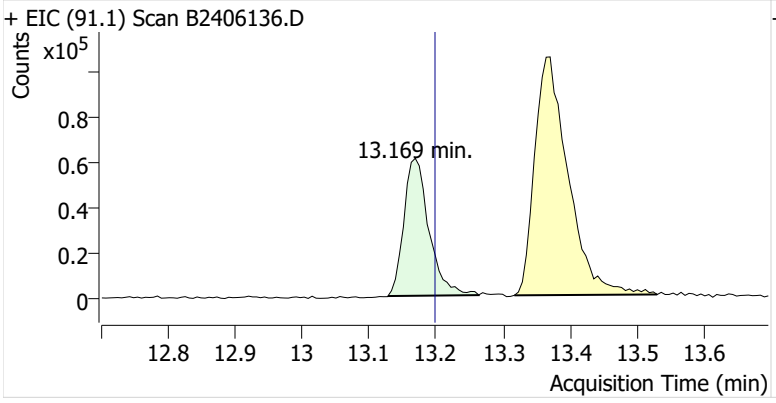


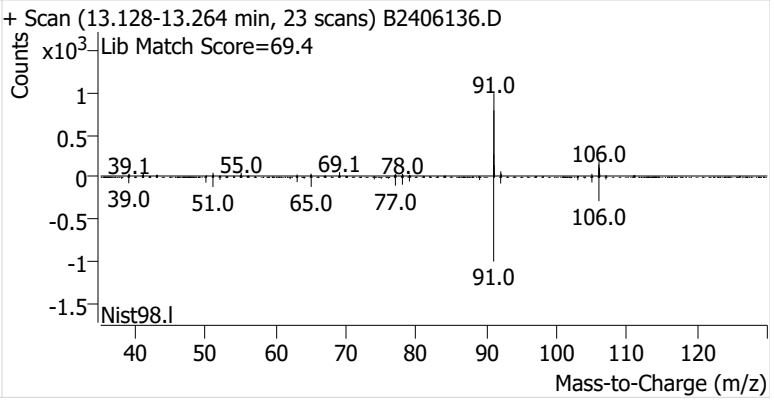
Toluene



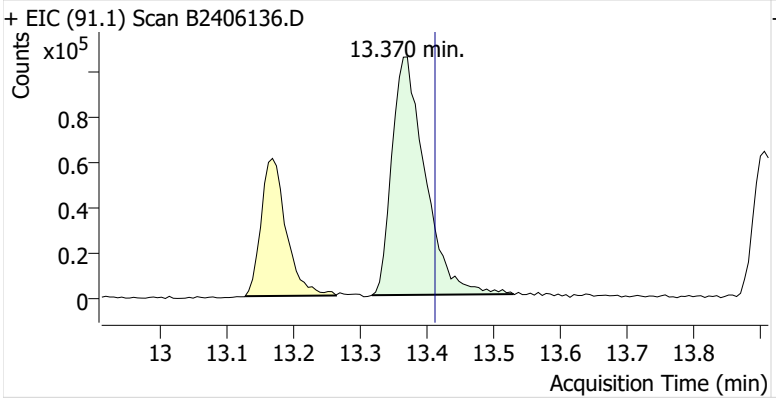


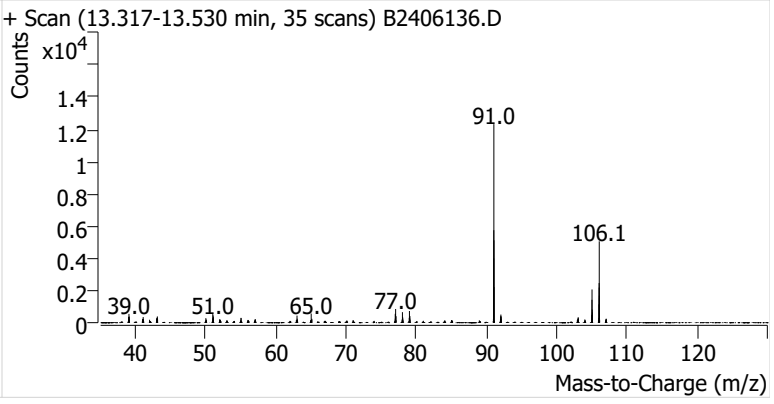
Ethylbenzene



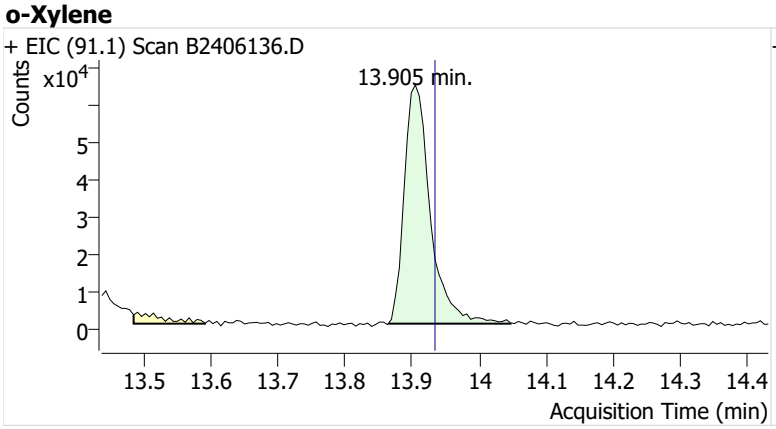


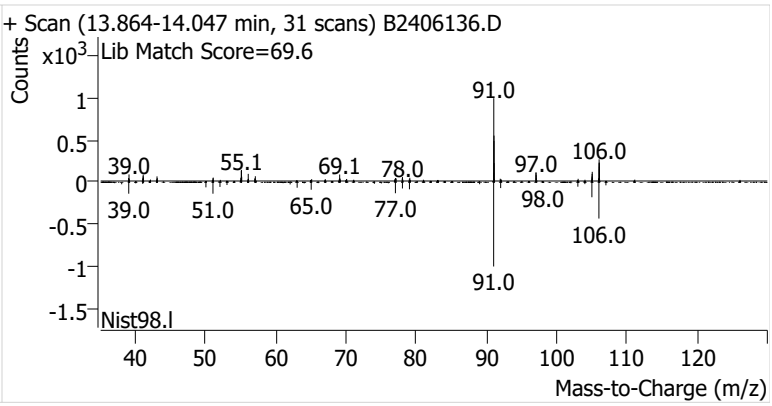
m-/p-Xylene





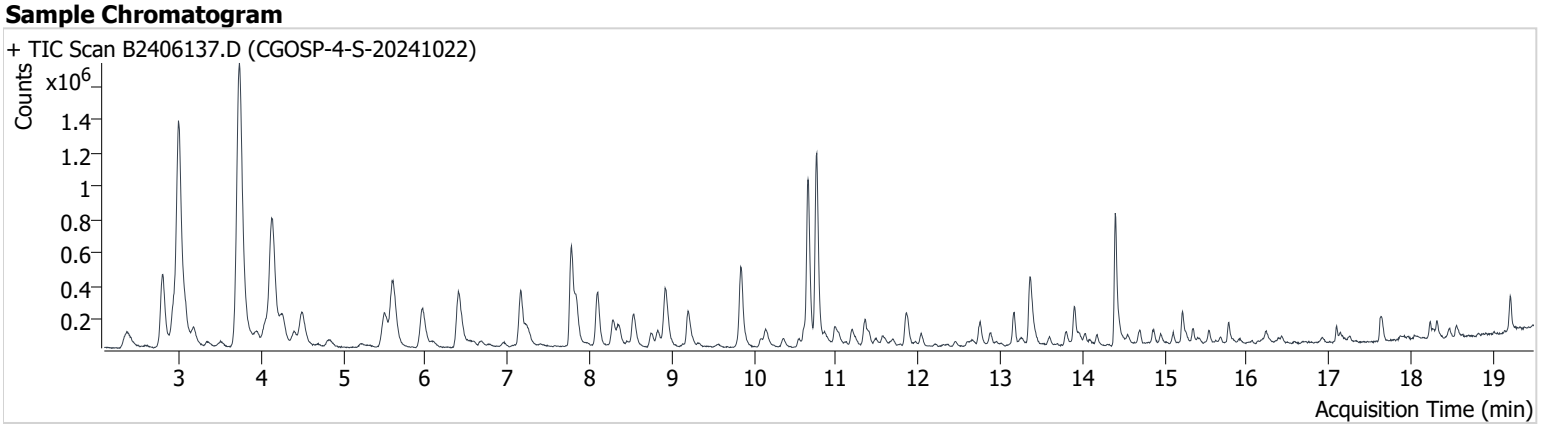
o-Xylene


+ EIC (91.1) Scan B2406136.D
Counts
x10^4
13.905 min.
5
4
3
2
1
0
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)


+ Scan (13.864-14.047 min, 31 scans) B2406136.D
Counts
x10^3
Lib Match Score=69.6
1
0.5
0
-0.5
-1
-1.5
91.0
39.0
55.1
69.1
78.0
97.0
106.0
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

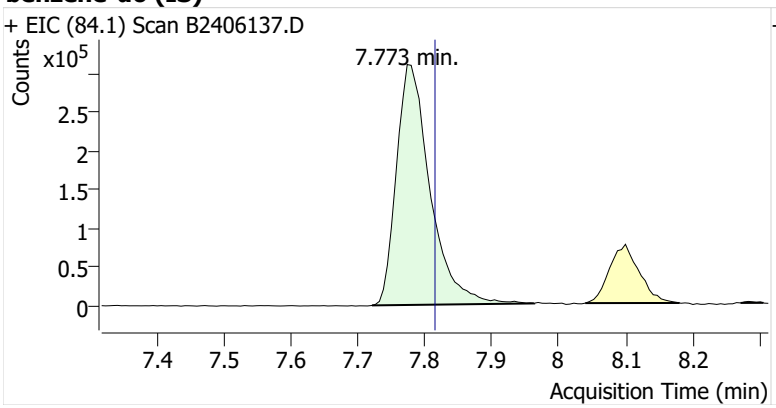
Name	CGOSP-4-S-20241022
Comment	B43900
Data File	B2406137.D
Acq. Date-Time	11/13/2024 1:39:54 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

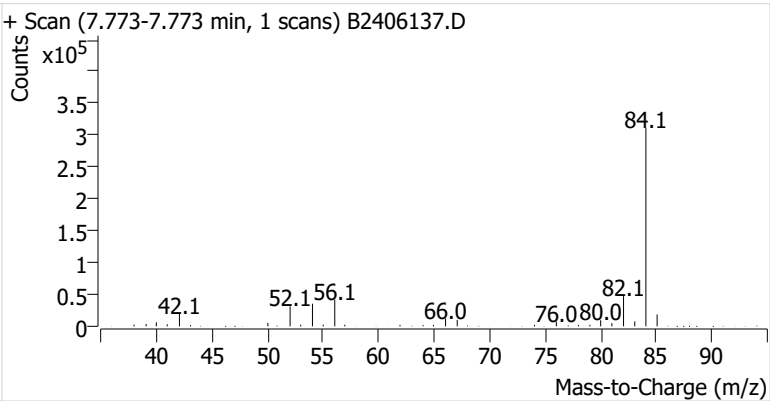
Sample Chromatogram



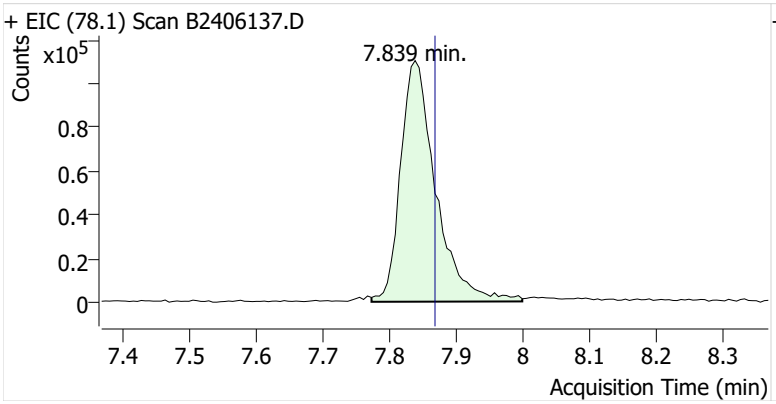
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.773	7.815	1,086,613	
Benzene	benzene-d6 (IS)	7.839	7.868	402,702	
Toluene-d8 (IS)		10.658	10.693	1,106,763	
Toluene	Toluene-d8 (IS)	10.765	10.794	1,304,934	
Ethylbenzene	Toluene-d8 (IS)	13.163	13.198	218,869	
m-/p-Xylene	Toluene-d8 (IS)	13.364	13.412	506,907	
o-Xylene	Toluene-d8 (IS)	13.899	13.934	205,460	

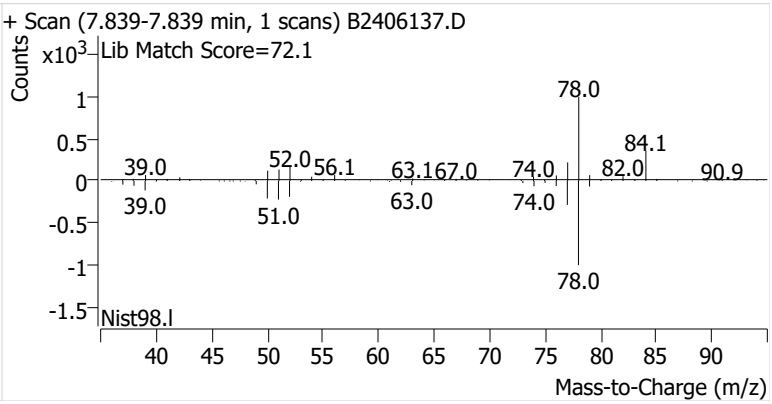
benzene-d6 (IS)



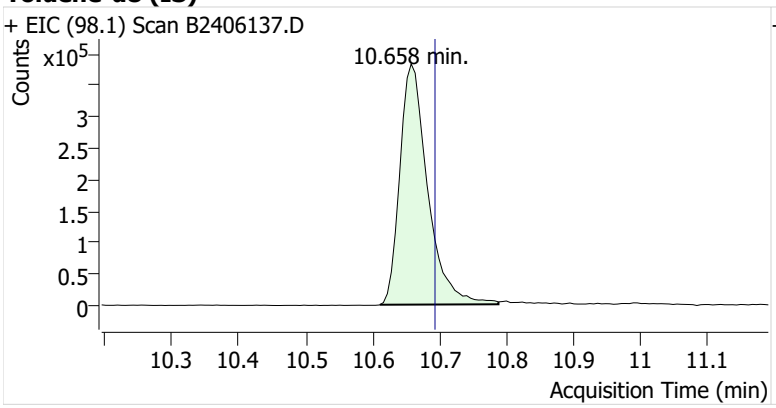


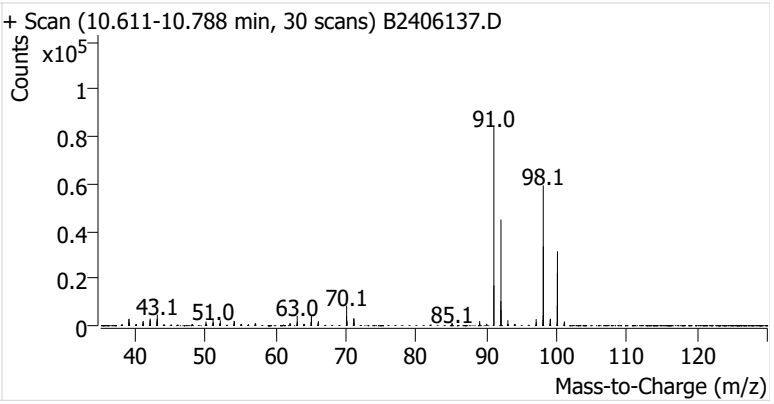
Benzene



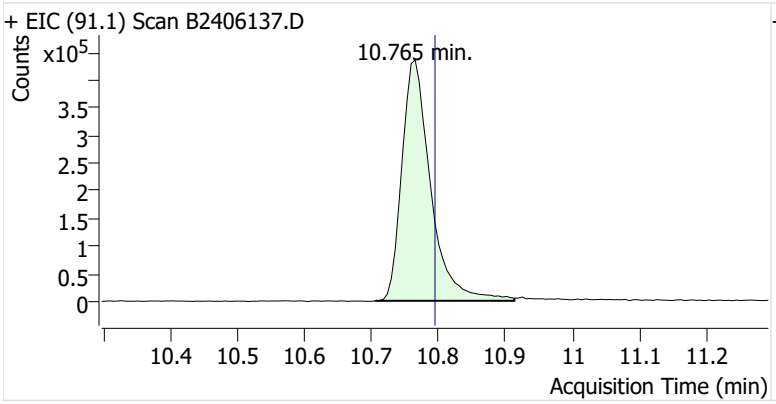


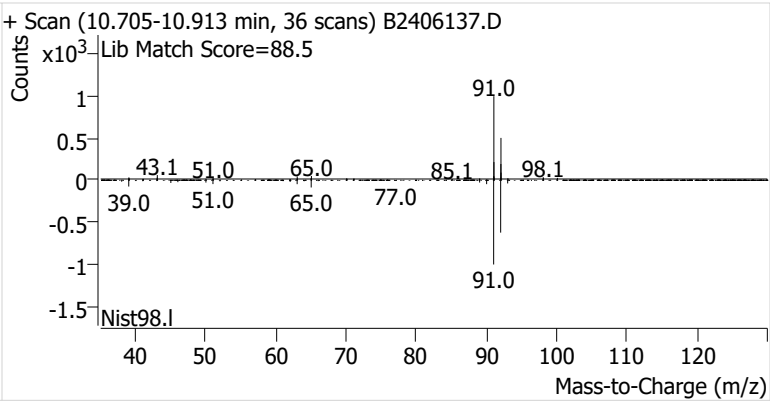
Toluene-d8 (IS)



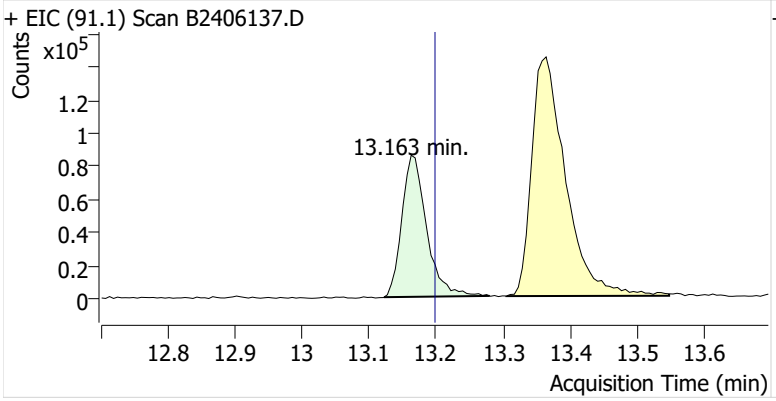


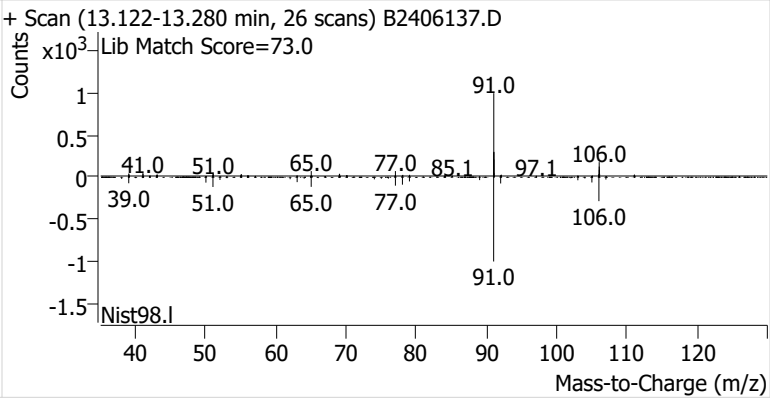
Toluene



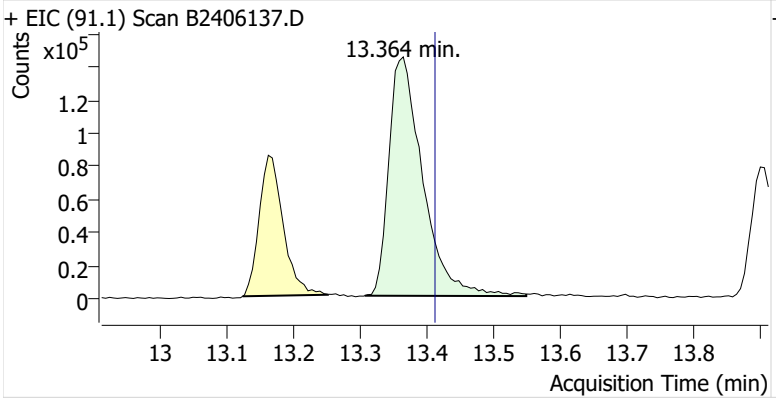


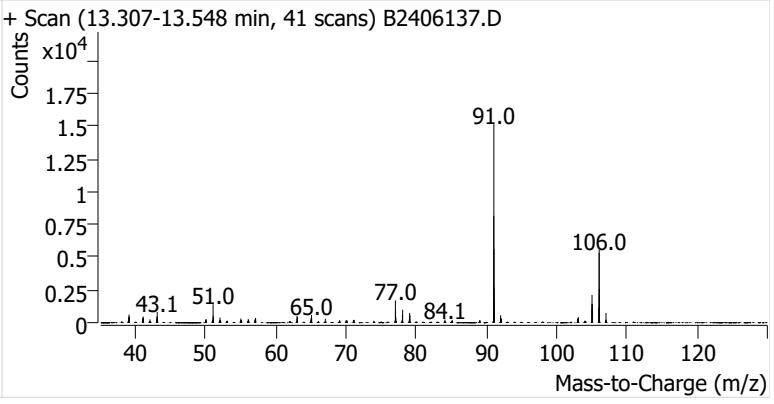
Ethylbenzene



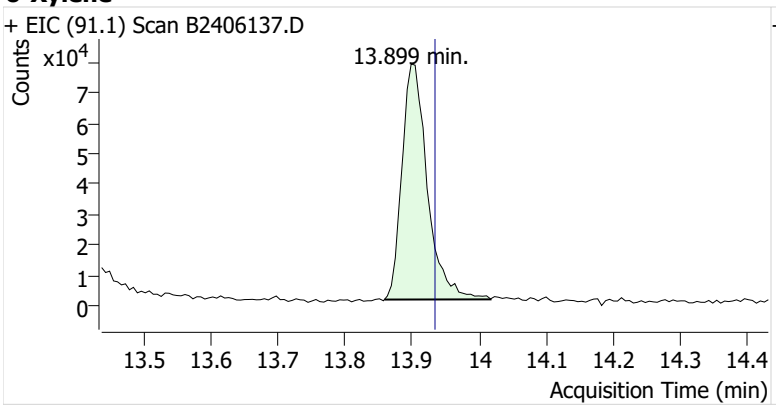


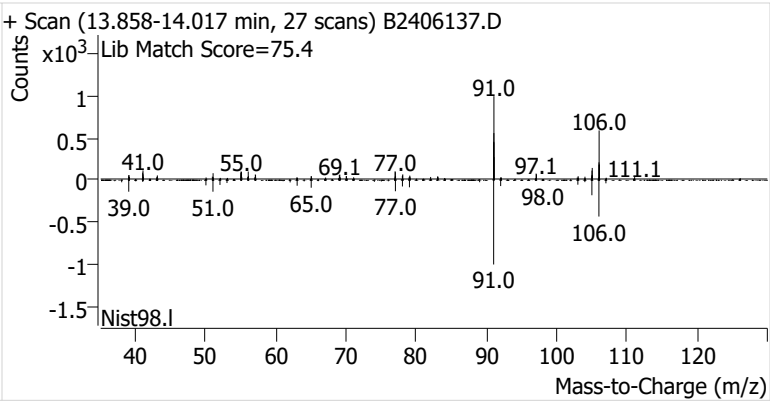
m-/p-Xylene





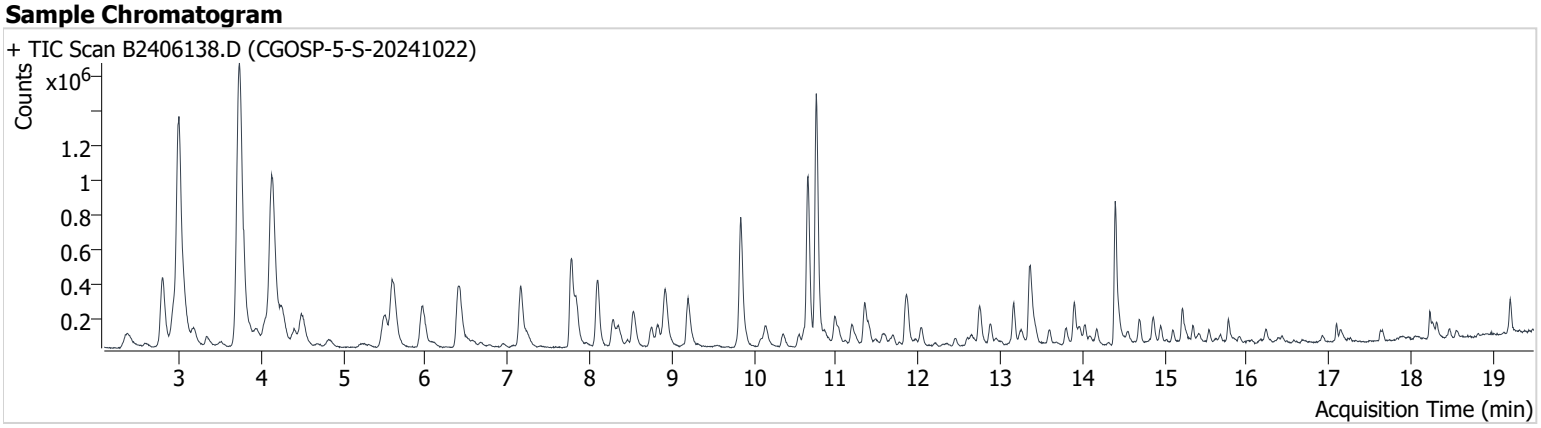
o-Xylene


+ EIC (91.1) Scan B2406137.D
Counts
x10^4
13.899 min.
Acquisition Time (min)


+ Scan (13.858-14.017 min, 27 scans) B2406137.D
Counts
x10^3
Lib Match Score=75.4
Nist98.l
Mass-to-Charge (m/z)

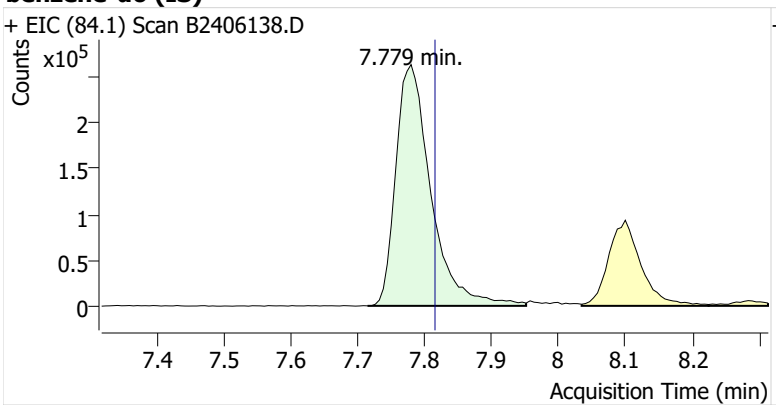
Name	CGOSP-5-S-20241022
Comment	B18327
Data File	B2406138.D
Acq. Date-Time	11/13/2024 2:17:14 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

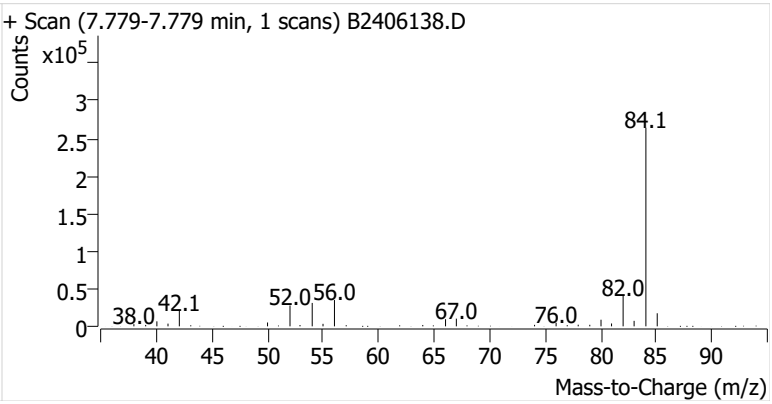
Sample Chromatogram



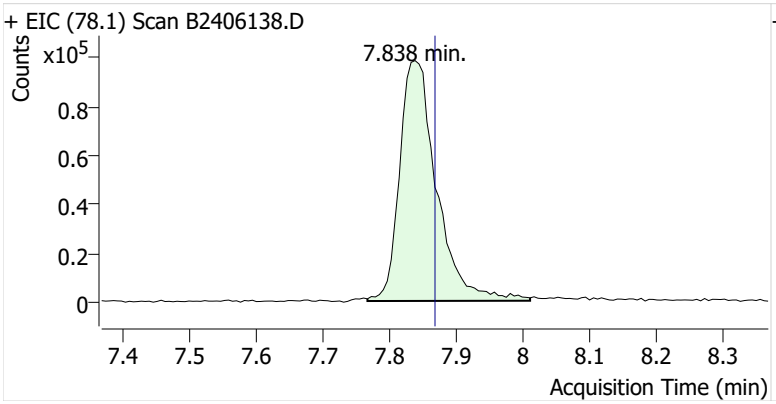
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.779	7.815	960,852	
Benzene	benzene-d6 (IS)	7.838	7.868	379,271	
Toluene-d8 (IS)		10.658	10.693	1,106,999	
Toluene	Toluene-d8 (IS)	10.759	10.794	1,740,929	
Ethylbenzene	Toluene-d8 (IS)	13.162	13.198	263,713	
m-/p-Xylene	Toluene-d8 (IS)	13.364	13.412	565,076	
o-Xylene	Toluene-d8 (IS)	13.898	13.934	221,485	

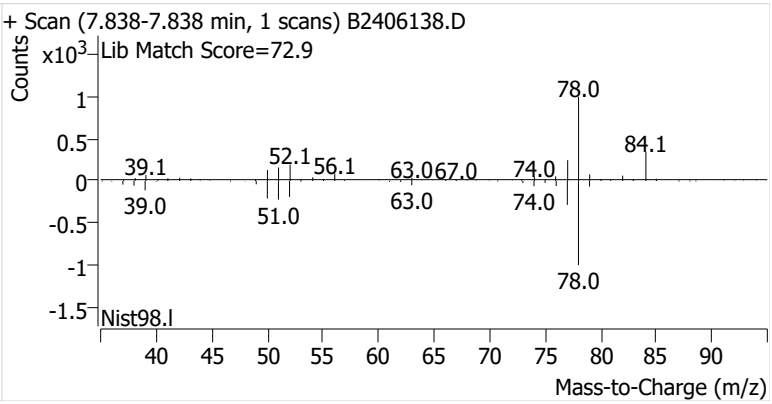
benzene-d6 (IS)



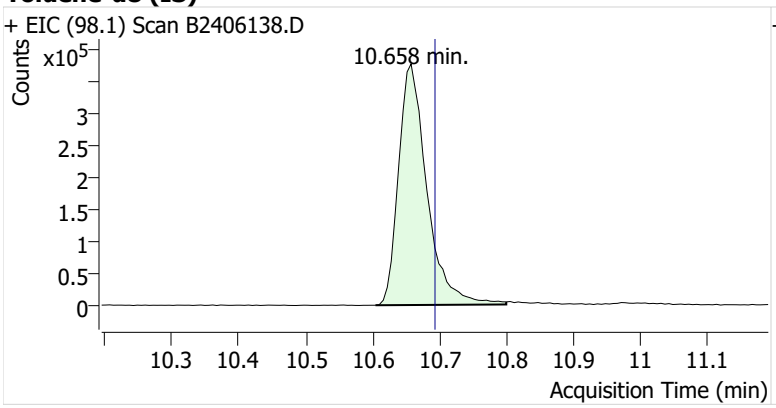


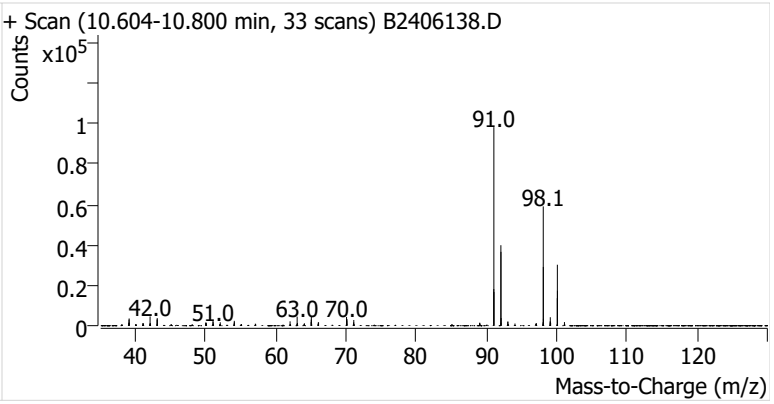
Benzene



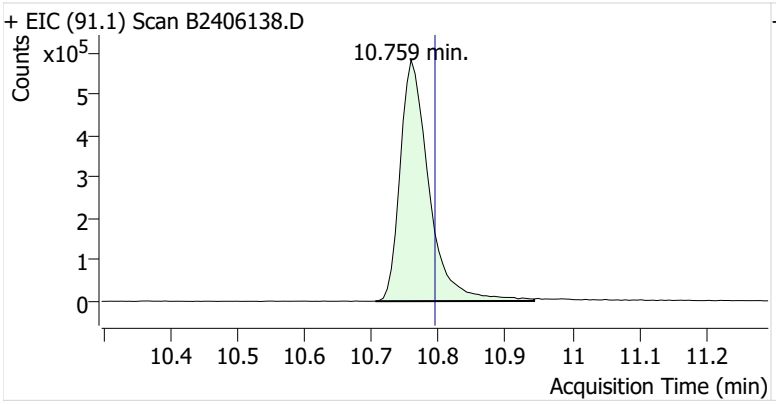


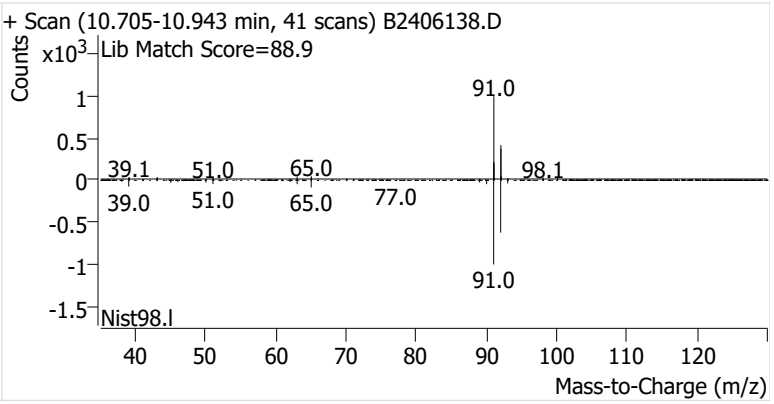
Toluene-d8 (IS)



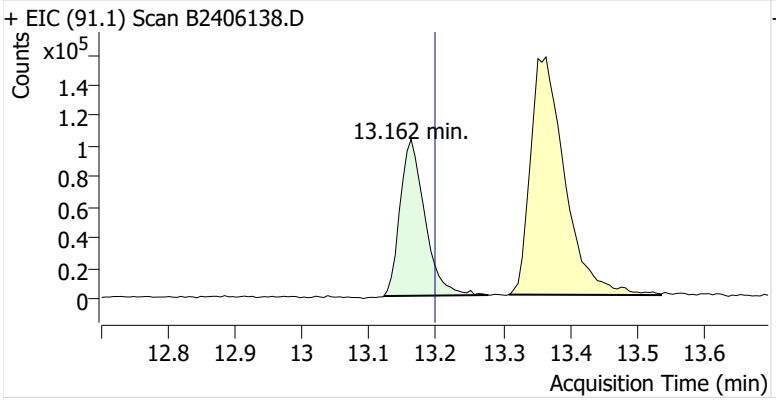


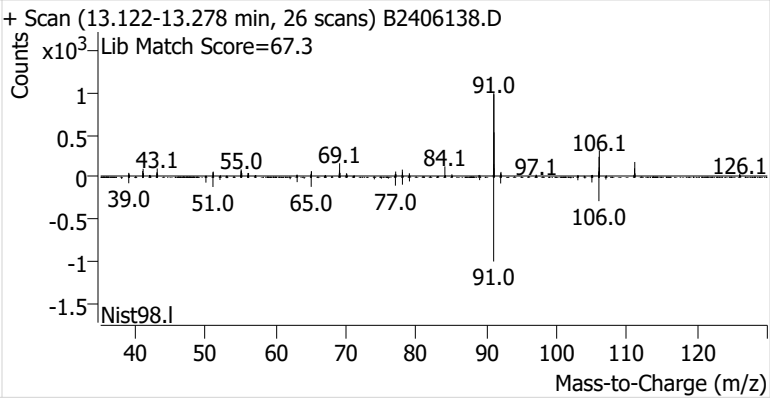
Toluene



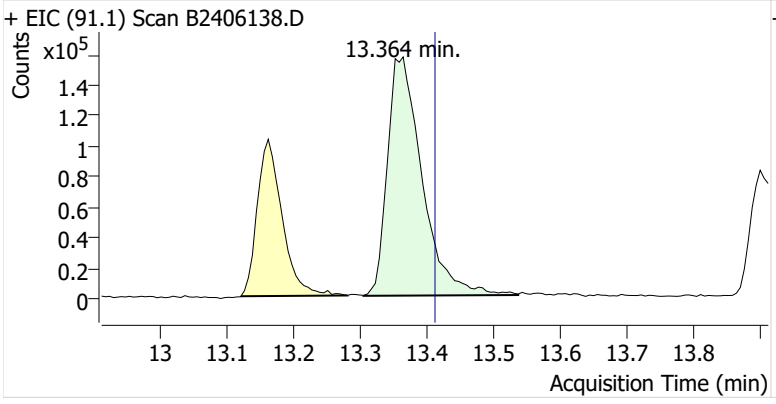


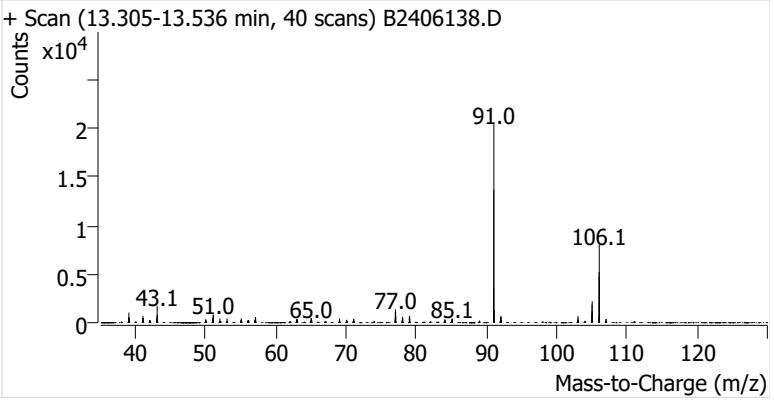
Ethylbenzene



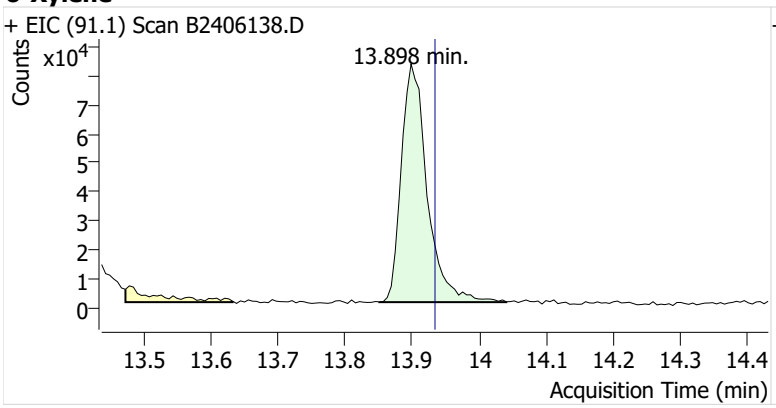


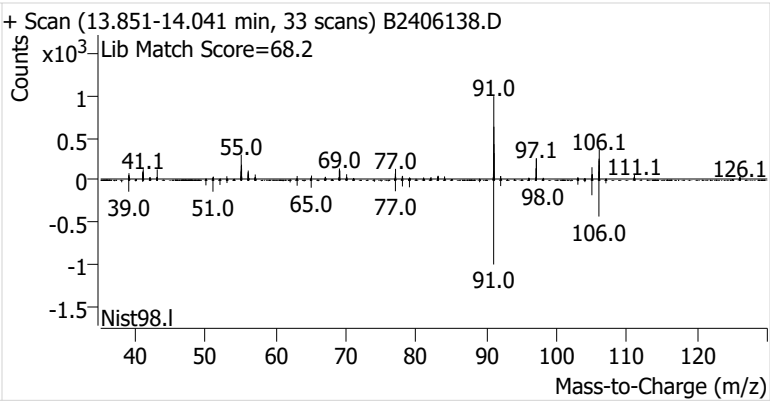
m-/p-Xylene





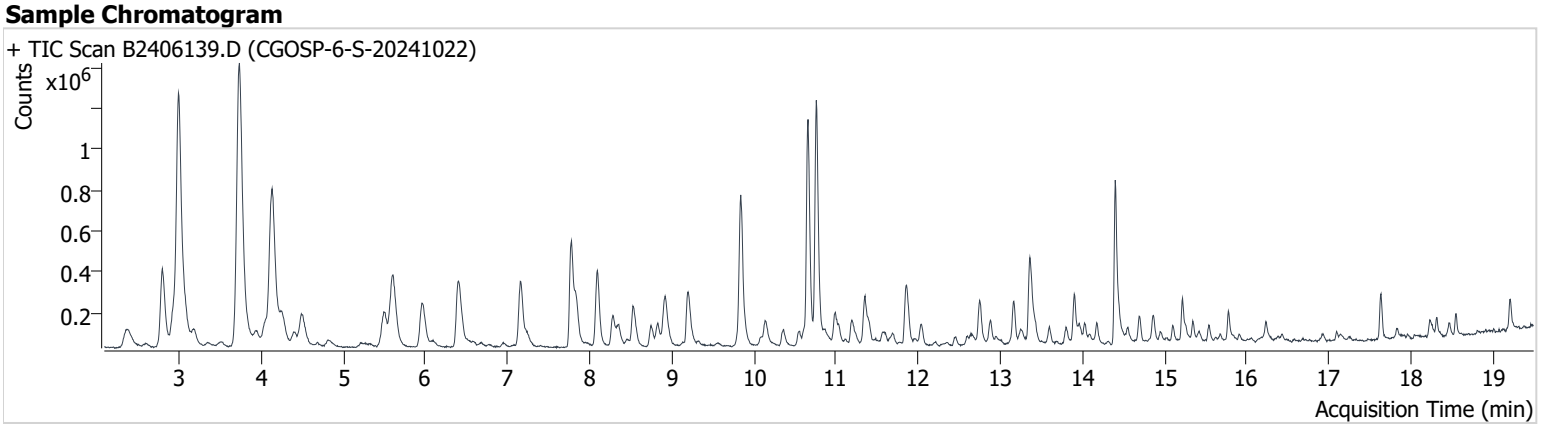
o-Xylene


+ EIC (91.1) Scan B2406138.D
Counts
x10^4
13.898 min.
Acquisition Time (min)


+ Scan (13.851-14.041 min, 33 scans) B2406138.D
Counts
x10^3
Lib Match Score=68.2
Nist98.l
Mass-to-Charge (m/z)

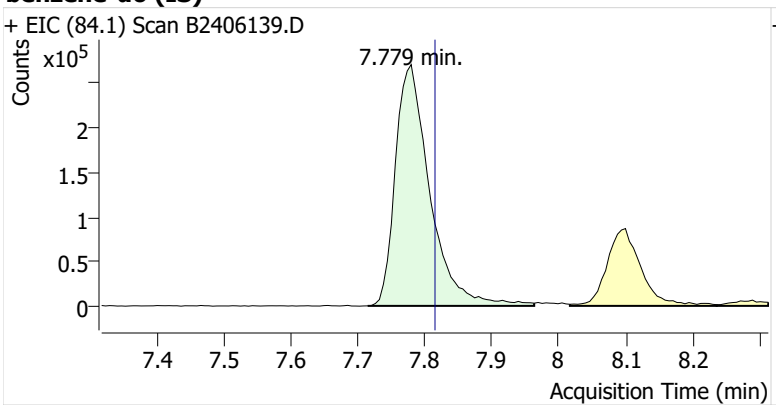
Name	CGOSP-6-S-20241022
Comment	B43035
Data File	B2406139.D
Acq. Date-Time	11/13/2024 2:54:32 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

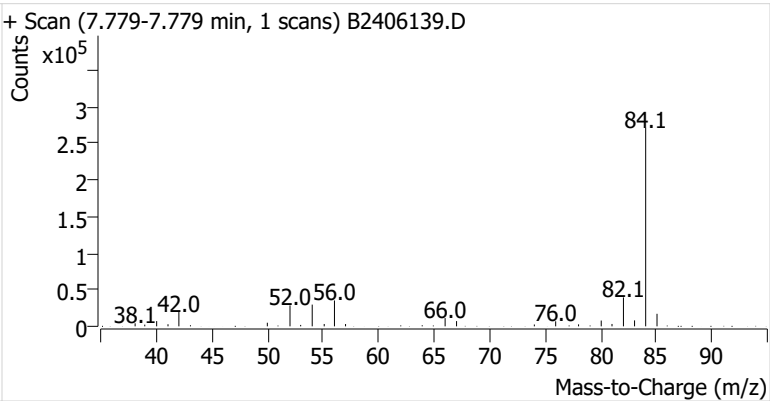
Sample Chromatogram



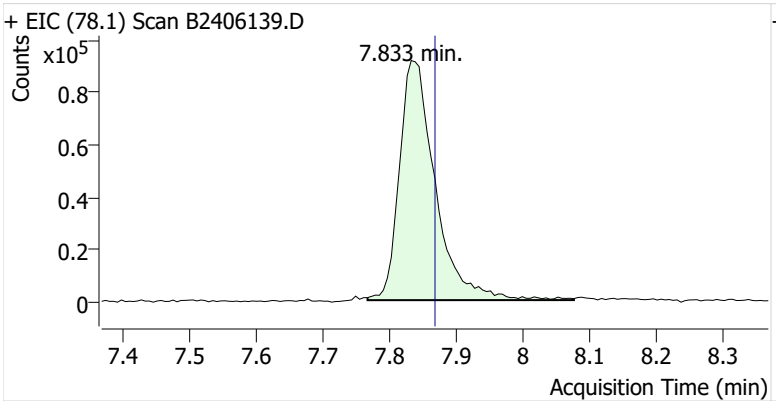
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.779	7.815	970,705	
Benzene	benzene-d6 (IS)	7.833	7.868	342,271	
Toluene-d8 (IS)		10.658	10.693	1,228,580	
Toluene	Toluene-d8 (IS)	10.759	10.794	1,430,017	
Ethylbenzene	Toluene-d8 (IS)	13.163	13.198	244,072	
m-/p-Xylene	Toluene-d8 (IS)	13.364	13.412	524,266	
o-Xylene	Toluene-d8 (IS)	13.899	13.934	222,364	

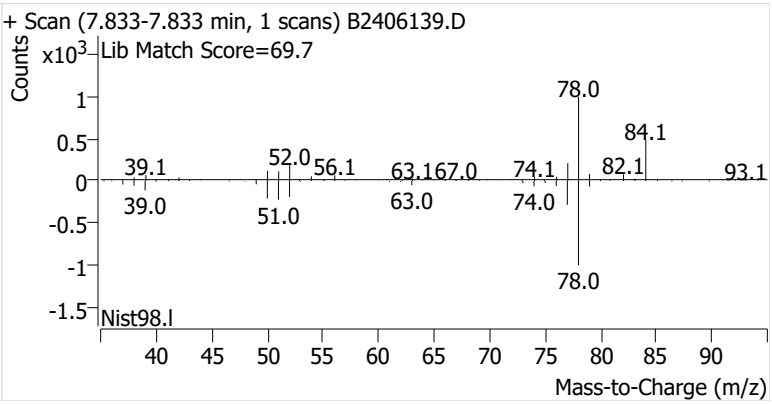
benzene-d6 (IS)



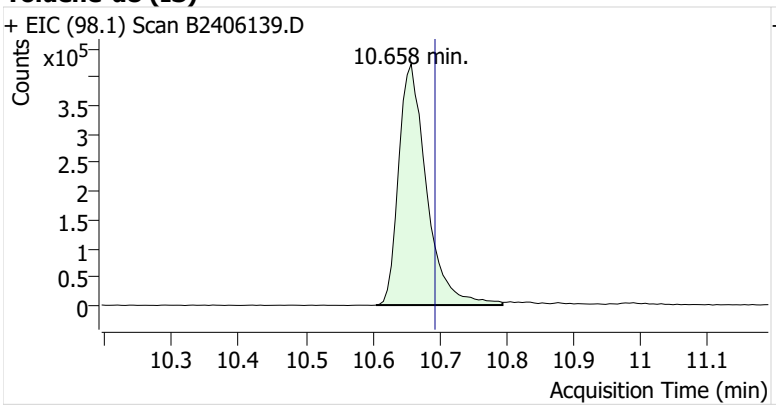


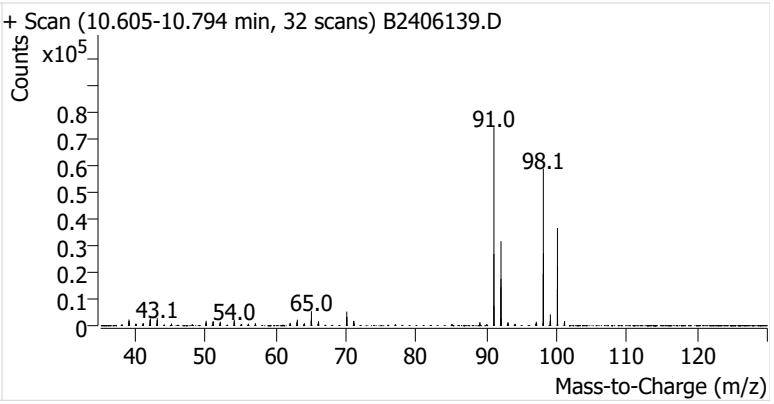
Benzene



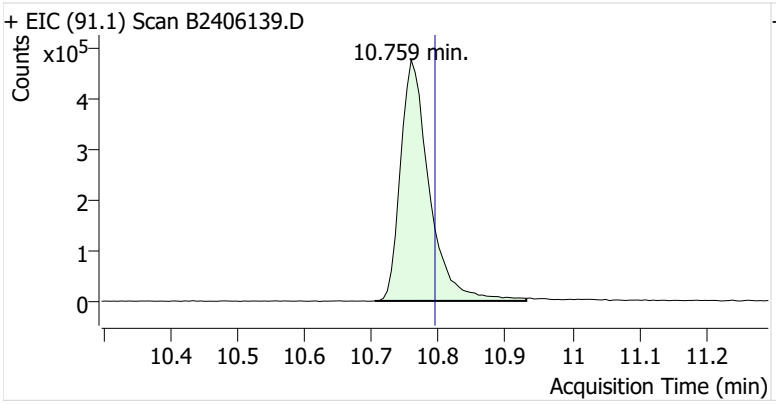


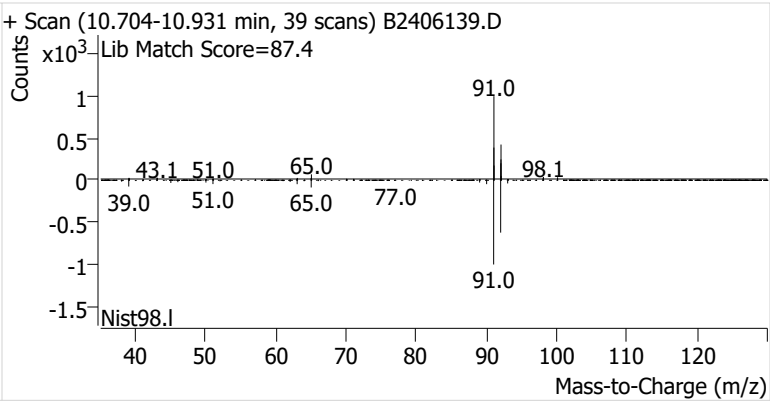
Toluene-d8 (IS)



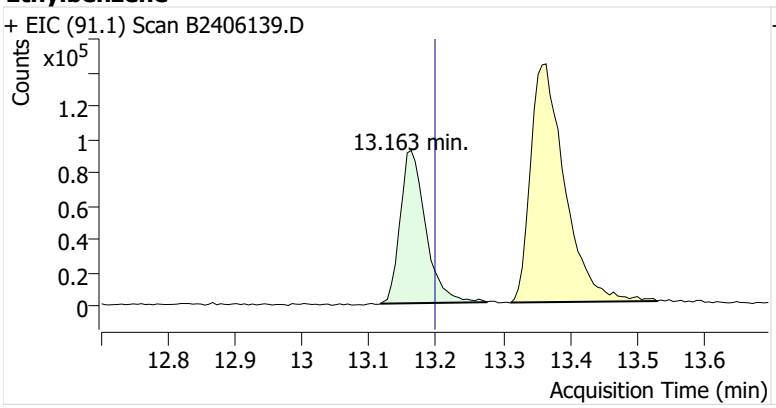


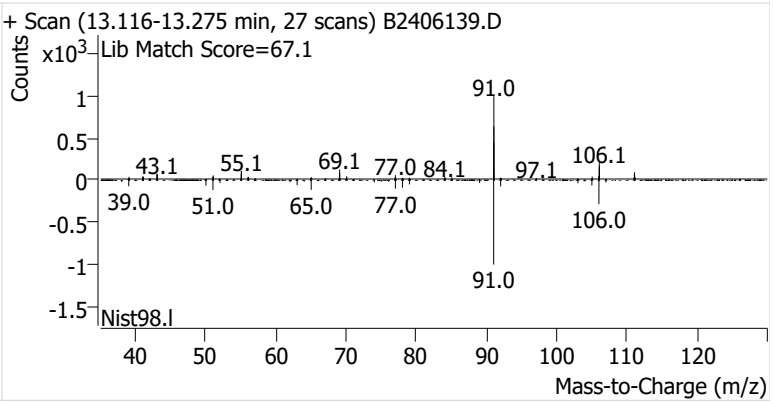
Toluene



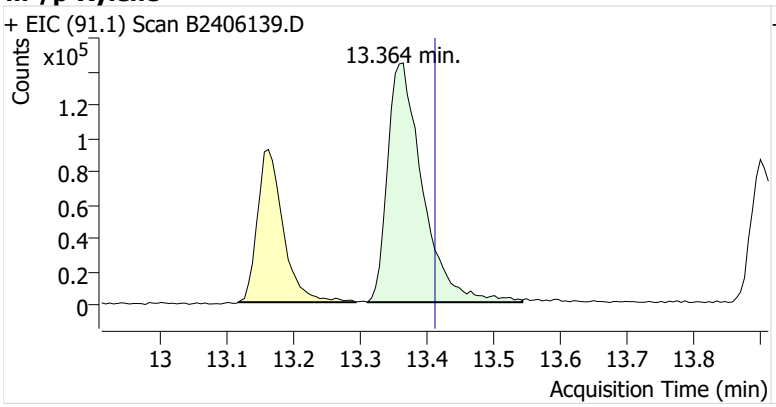


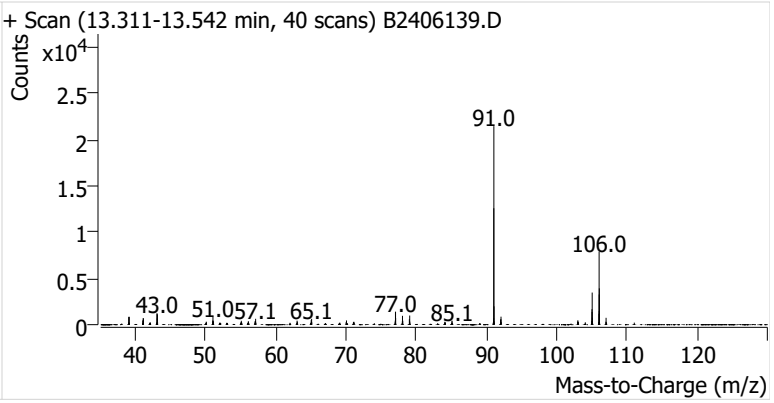
Ethylbenzene



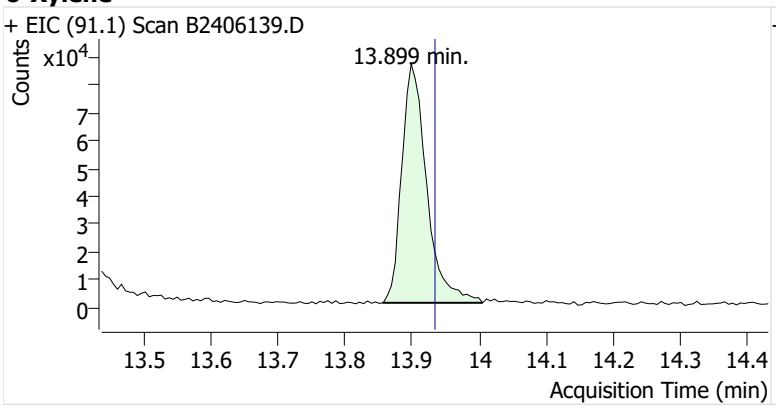


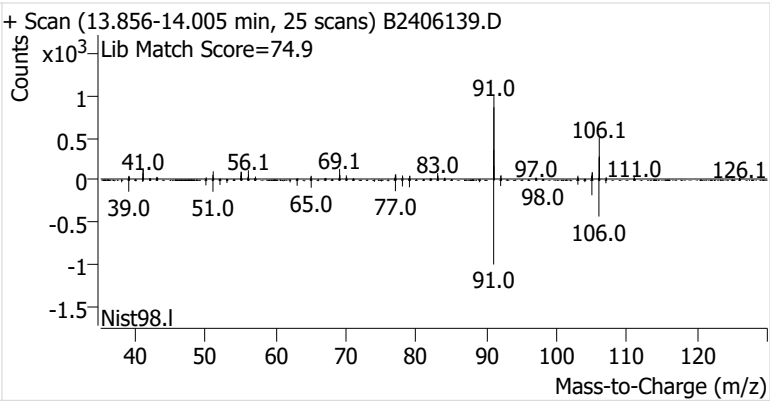
m-/p-Xylene





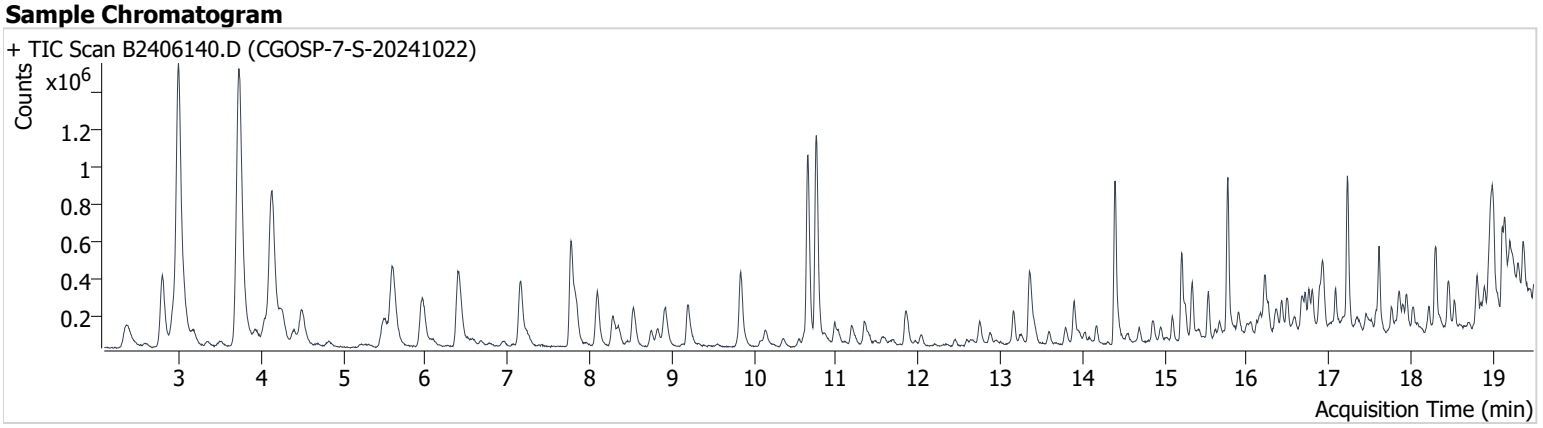
o-Xylene


+ EIC (91.1) Scan B2406139.D
Counts
x10^4
13.899 min.
Acquisition Time (min)


+ Scan (13.856-14.005 min, 25 scans) B2406139.D
Counts
x10^3
Lib Match Score=74.9
Nist98.l
Mass-to-Charge (m/z)

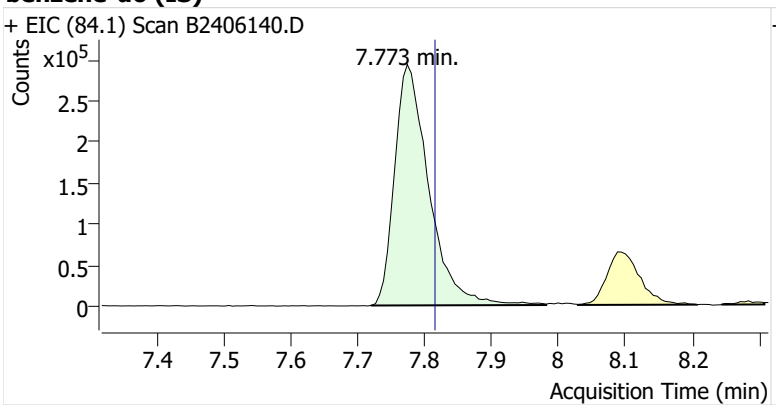
Name	CGOSP-7-S-20241022
Comment	C40642
Data File	B2406140.D
Acq. Date-Time	11/13/2024 3:31:53 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

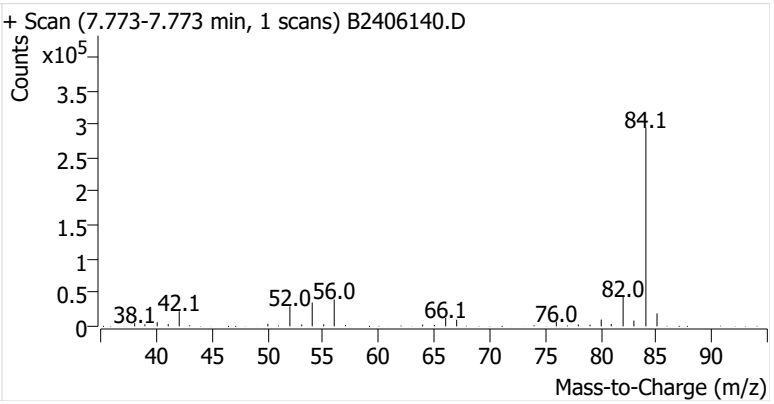
Sample Chromatogram



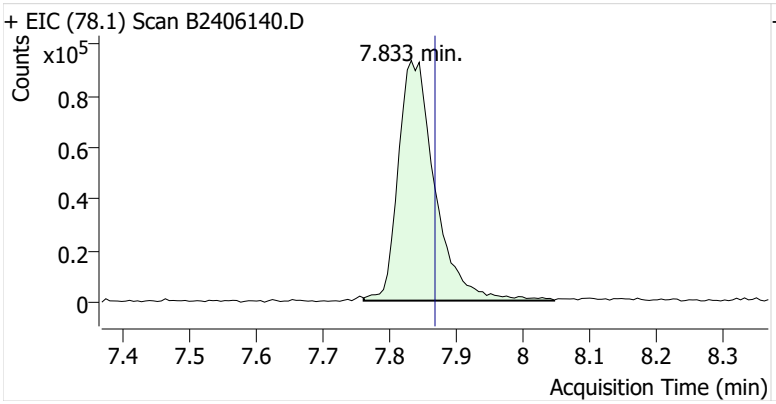
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.773	7.815	1,046,203	
Benzene	benzene-d6 (IS)	7.833	7.868	357,251	
Toluene-d8 (IS)		10.652	10.693	1,129,510	
Toluene	Toluene-d8 (IS)	10.759	10.794	1,364,351	
Ethylbenzene	Toluene-d8 (IS)	13.157	13.198	207,060	
m-/p-Xylene	Toluene-d8 (IS)	13.353	13.412	484,302	
o-Xylene	Toluene-d8 (IS)	13.899	13.934	206,953	

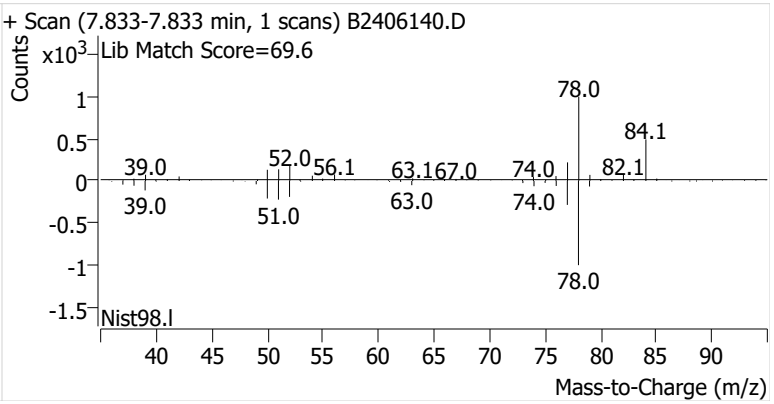
benzene-d6 (IS)



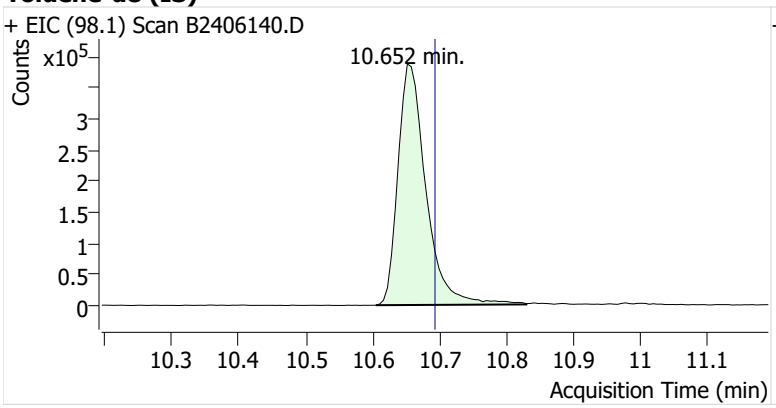


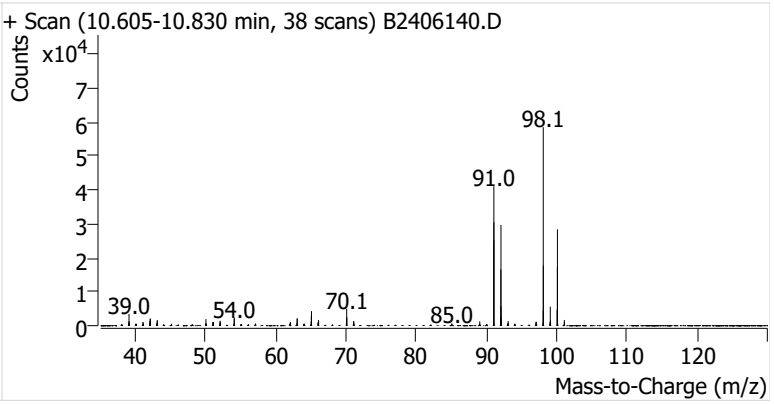
Benzene



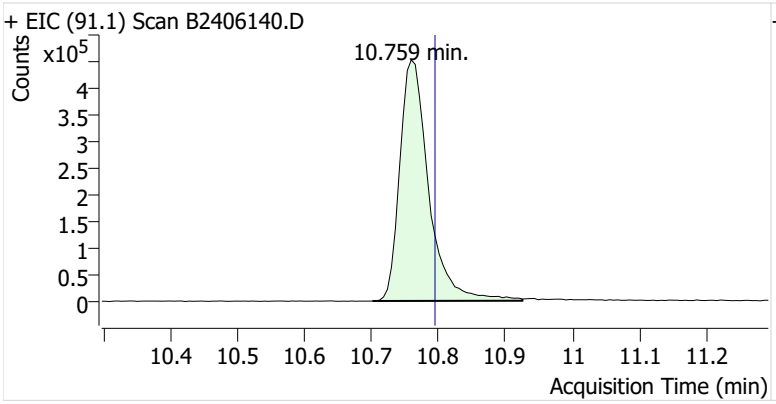


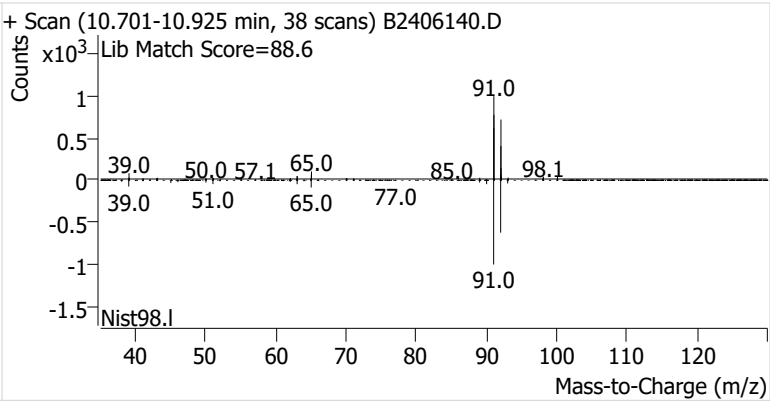
Toluene-d8 (IS)



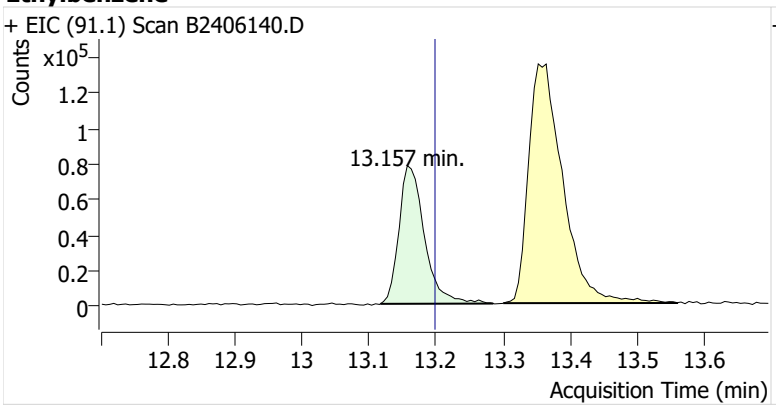


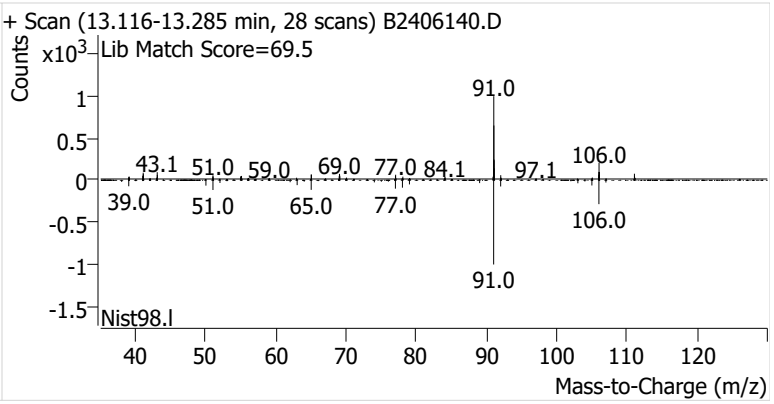
Toluene



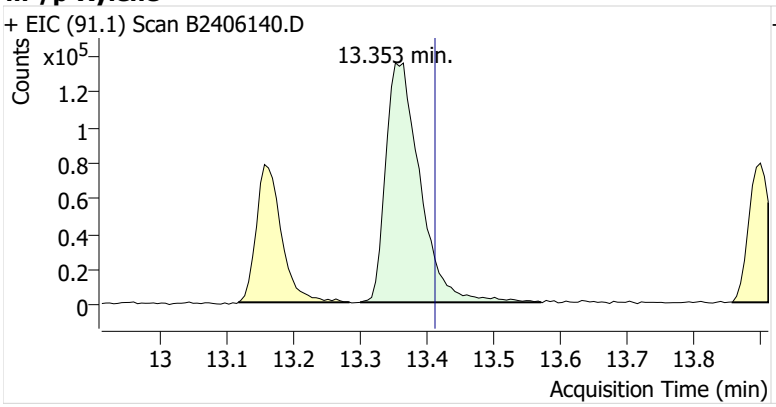


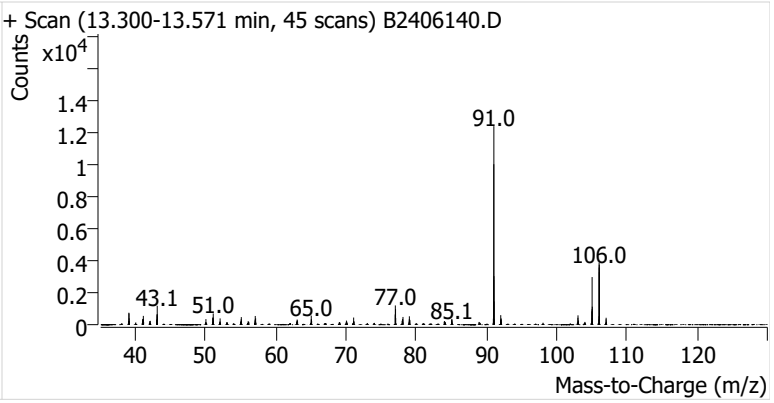
Ethylbenzene



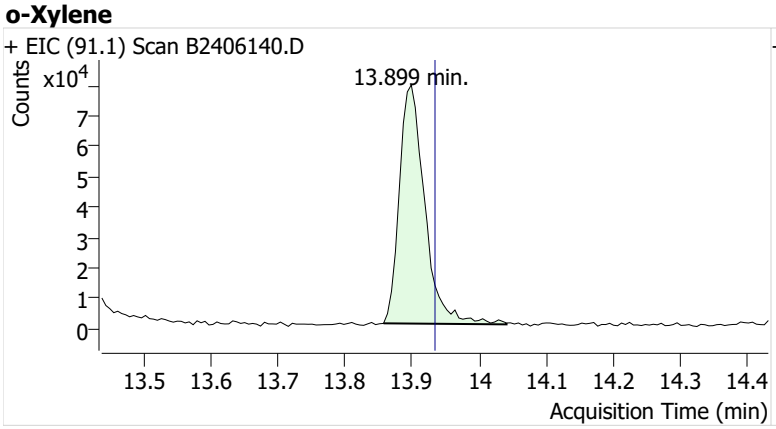


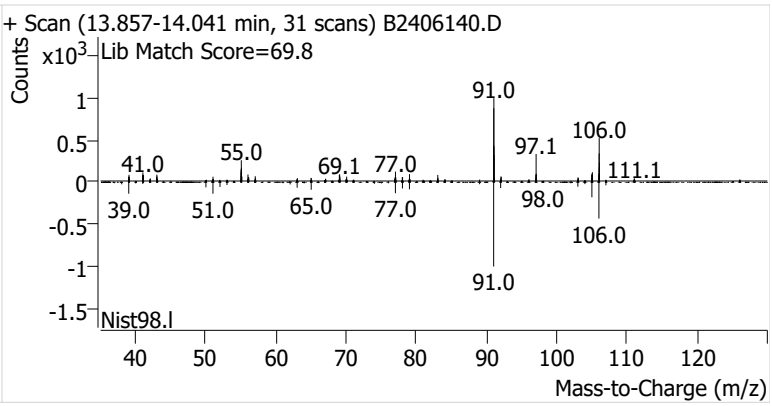
m-/p-Xylene





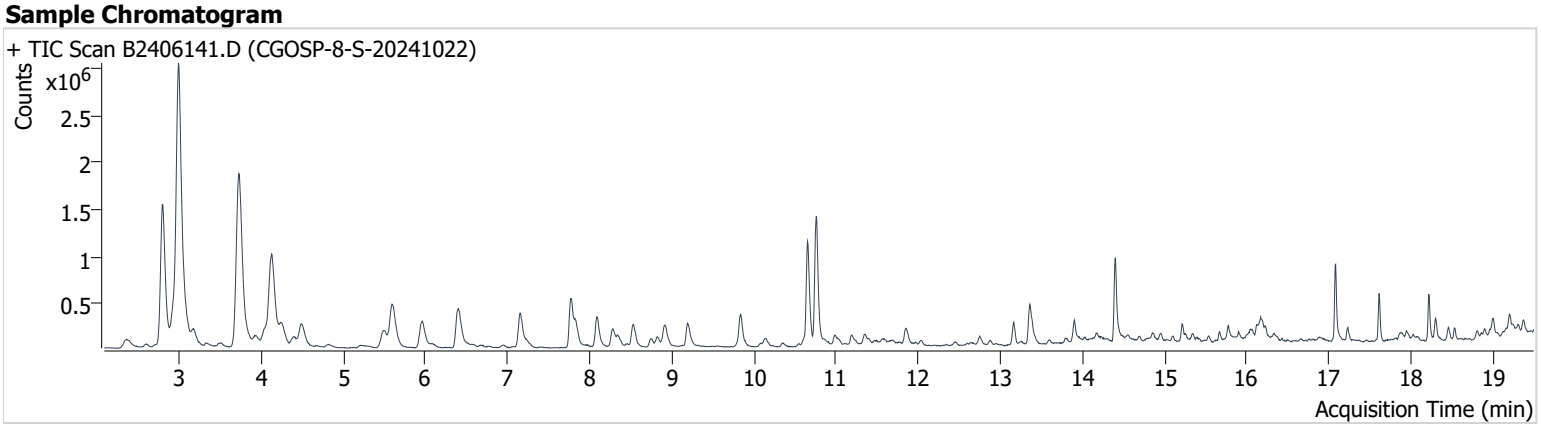
o-Xylene


+ EIC (91.1) Scan B2406140.D
Counts
x10^4
13.899 min.
Acquisition Time (min)


+ Scan (13.857-14.041 min, 31 scans) B2406140.D
Counts
x10^3
Lib Match Score=69.8
Nist98.l
Mass-to-Charge (m/z)

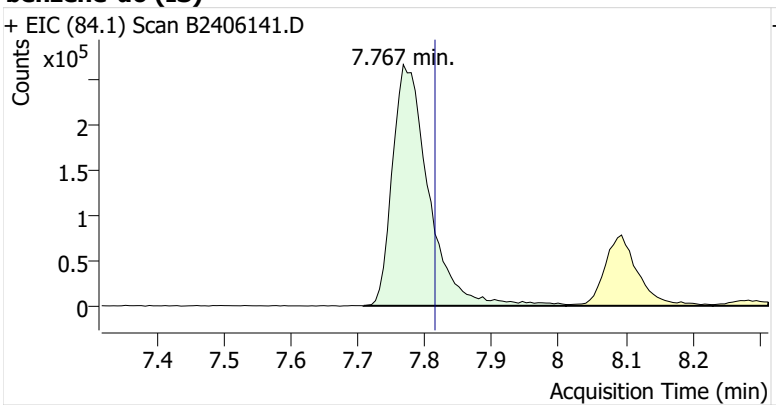
Name	CGOSP-8-S-20241022
Comment	C17127
Data File	B2406141.D
Acq. Date-Time	11/13/2024 4:09:12 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

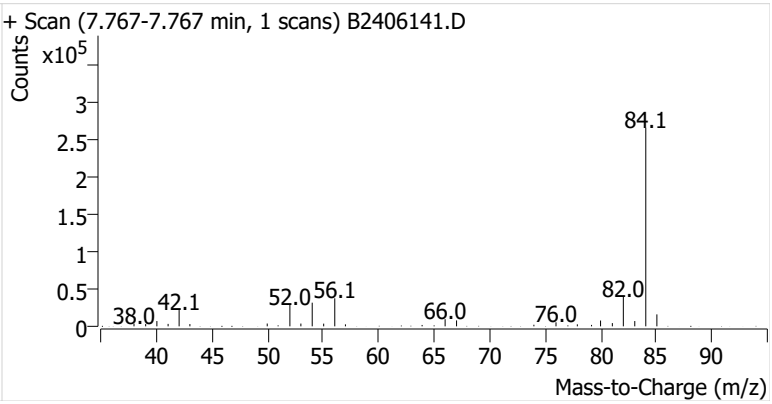
Sample Chromatogram



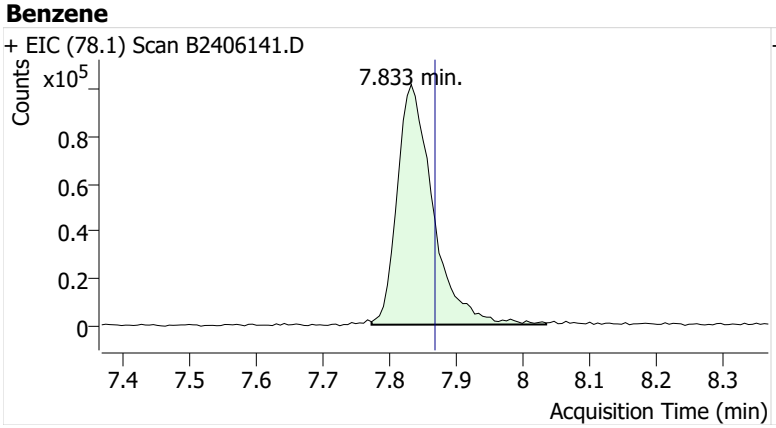
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.767	7.815	1,004,337	
Benzene	benzene-d6 (IS)	7.833	7.868	378,349	
Toluene-d8 (IS)		10.652	10.693	1,240,293	
Toluene	Toluene-d8 (IS)	10.759	10.794	1,681,432	
Ethylbenzene	Toluene-d8 (IS)	13.163	13.198	270,095	
m-/p-Xylene	Toluene-d8 (IS)	13.358	13.412	485,277	
o-Xylene	Toluene-d8 (IS)	13.899	13.934	206,154	

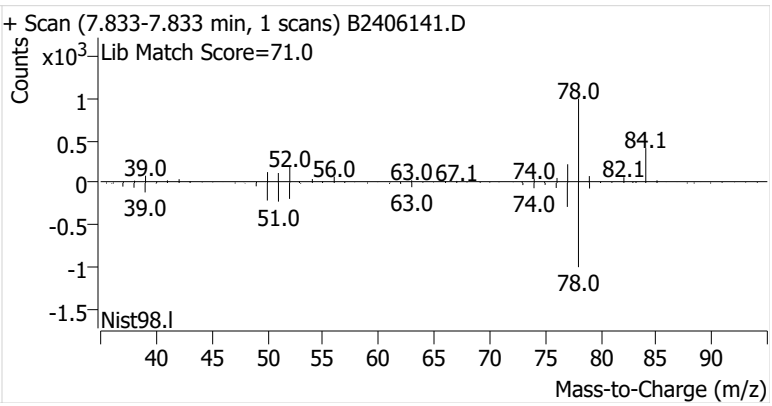
benzene-d6 (IS)



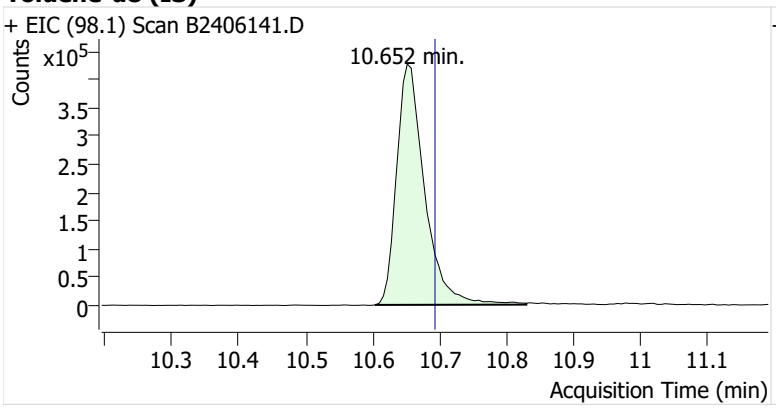


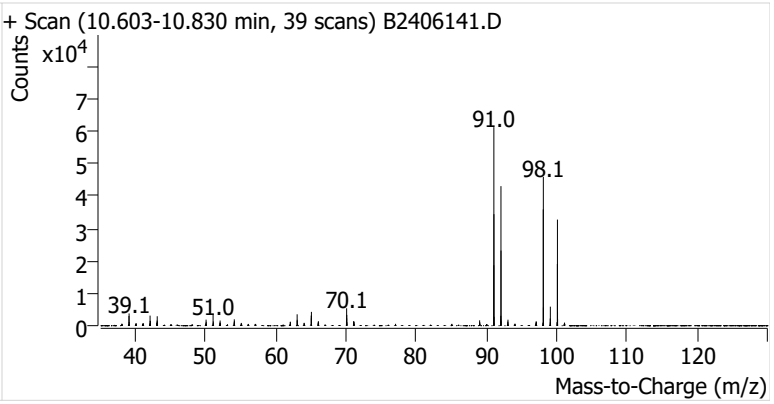
Benzene



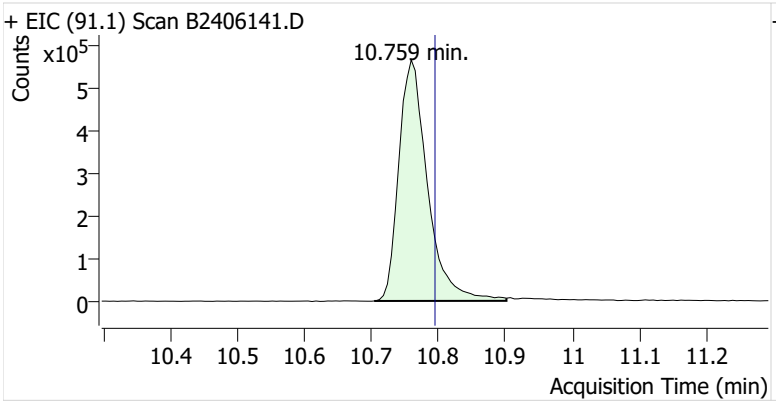


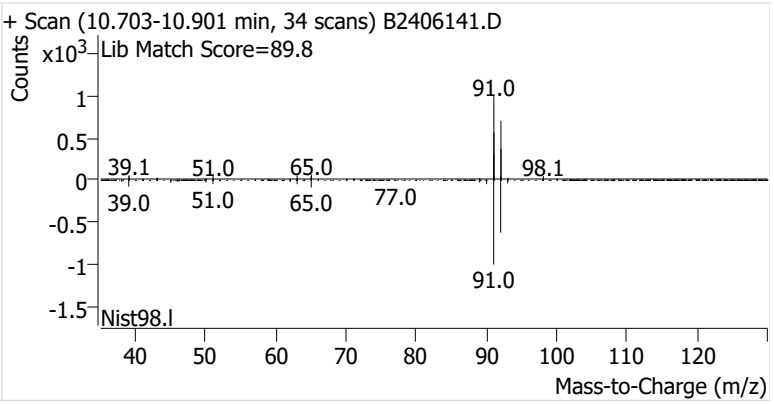
Toluene-d8 (IS)



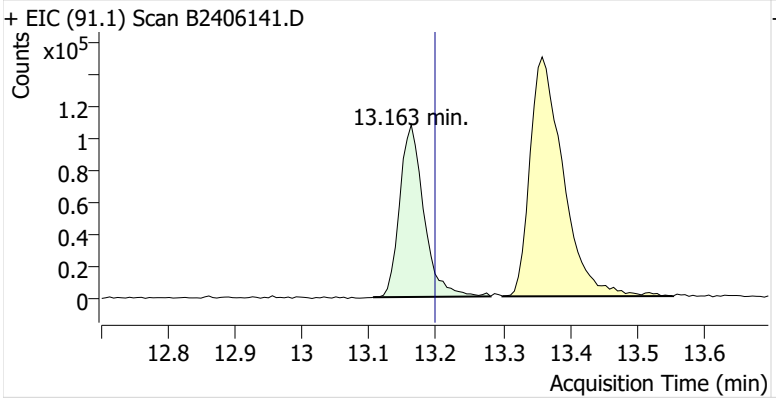


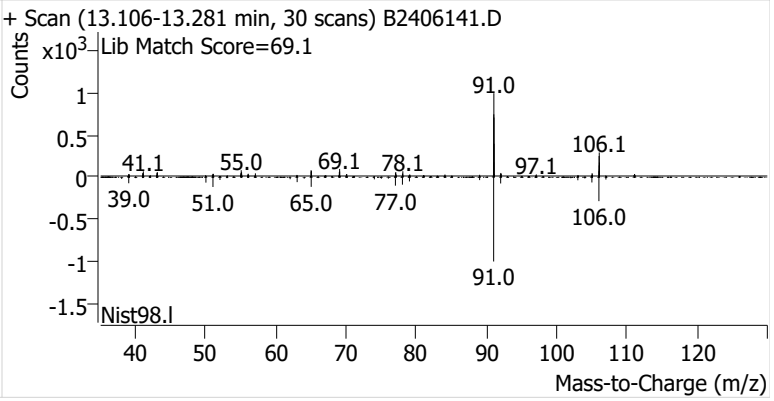
Toluene



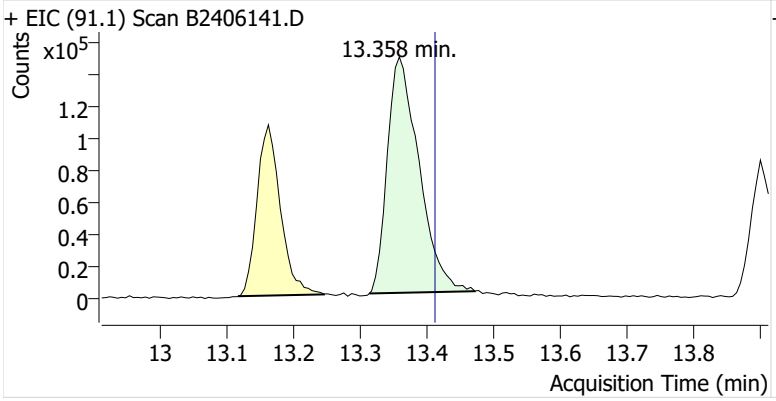


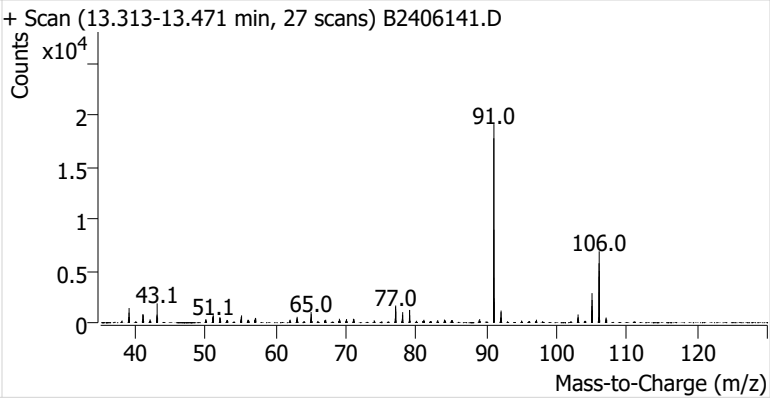
Ethylbenzene



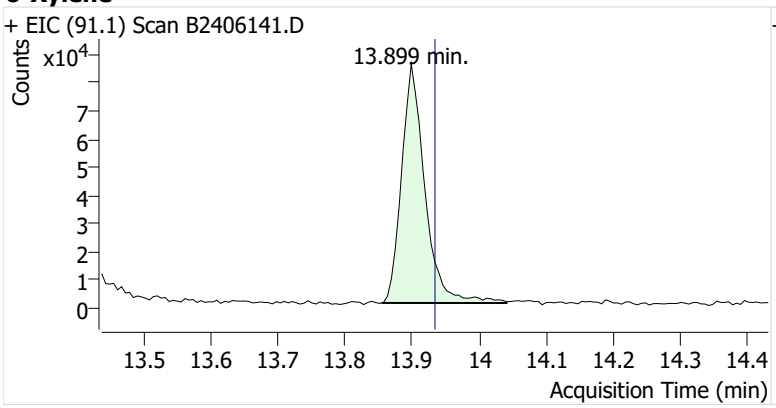


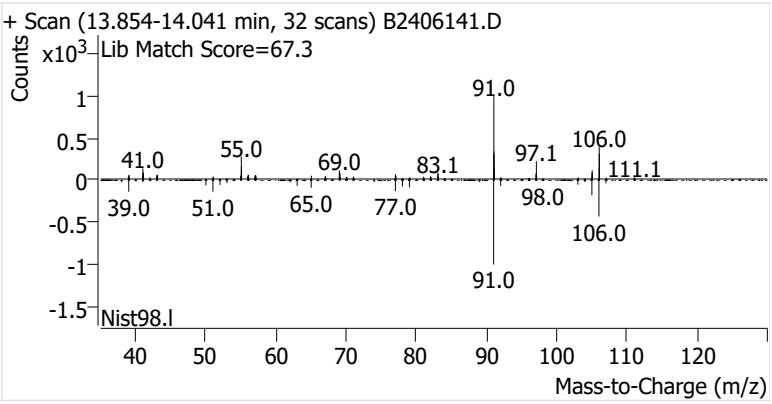
m-/p-Xylene





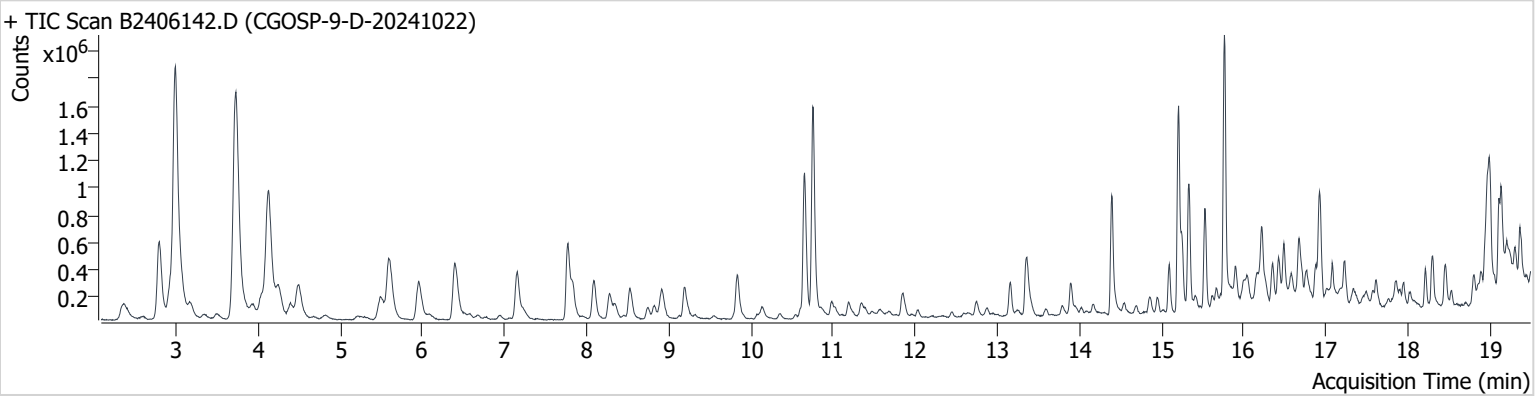
o-Xylene


+ EIC (91.1) Scan B2406141.D
Counts
x10^4
13.899 min.
Acquisition Time (min)


+ Scan (13.854-14.041 min, 32 scans) B2406141.D
Counts
x10^3
Lib Match Score=67.3
91.0
106.0
41.0
55.0
69.0
83.1
97.1
111.1
39.0
51.0
65.0
77.0
98.0
Nist98.l
Mass-to-Charge (m/z)

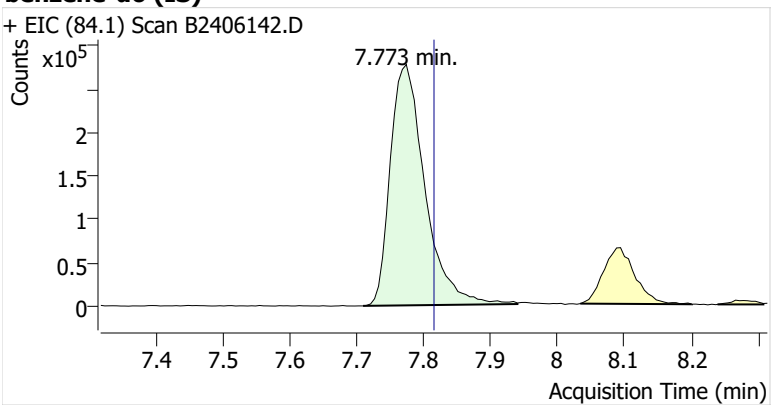
Name	CGOSP-9-D-20241022
Comment	B33539
Data File	B2406142.D
Acq. Date-Time	11/13/2024 4:46:30 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

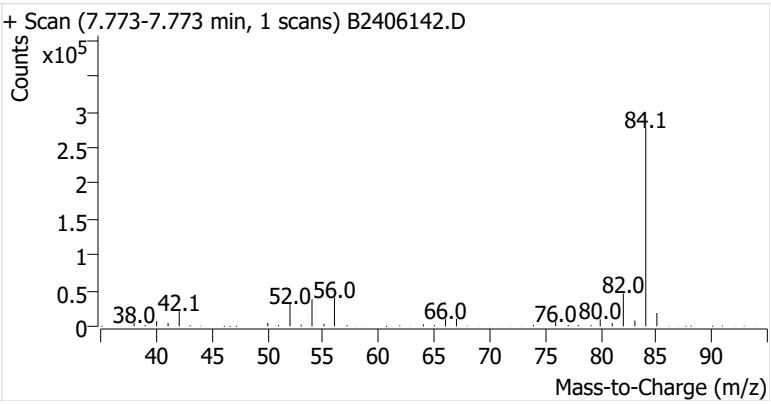
Sample Chromatogram



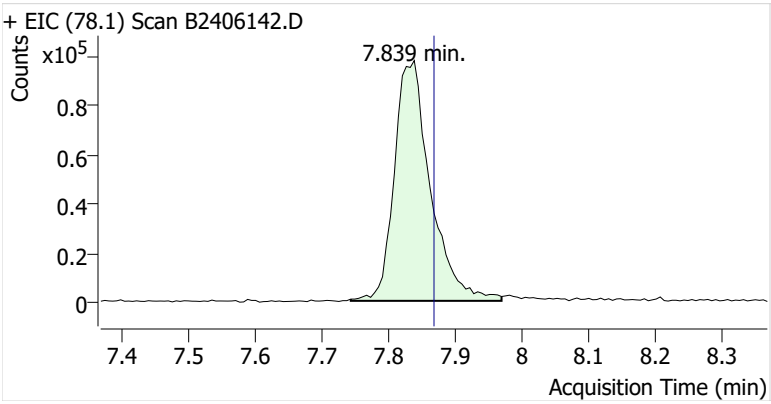
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.773	7.815	998,710	
Benzene	benzene-d6 (IS)	7.839	7.868	367,059	
Toluene-d8 (IS)		10.646	10.693	1,182,834	
Toluene	Toluene-d8 (IS)	10.759	10.794	1,825,668	
Ethylbenzene	Toluene-d8 (IS)	13.157	13.198	287,894	
m-/p-Xylene	Toluene-d8 (IS)	13.359	13.412	546,031	
o-Xylene	Toluene-d8 (IS)	13.899	13.934	209,677	

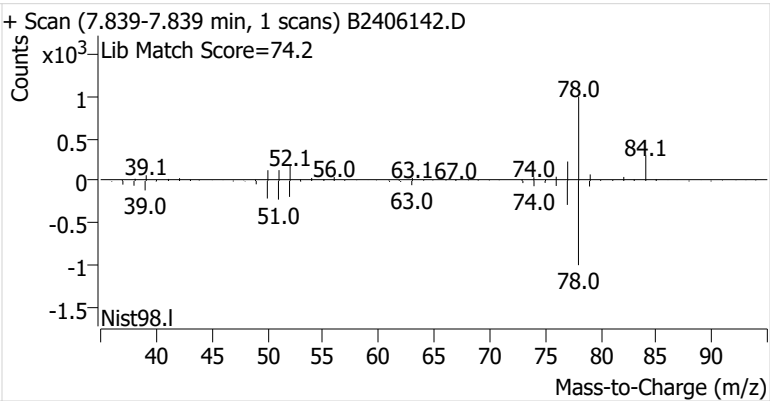
benzene-d6 (IS)



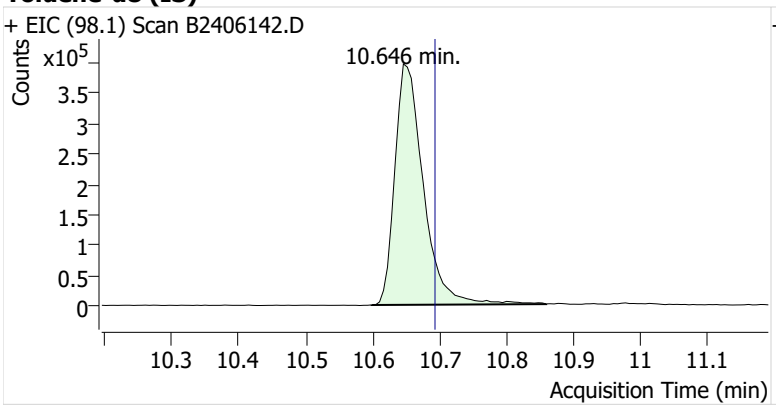


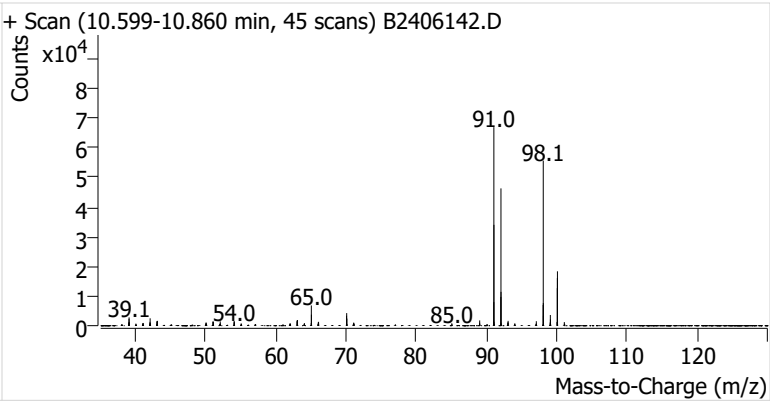
Benzene



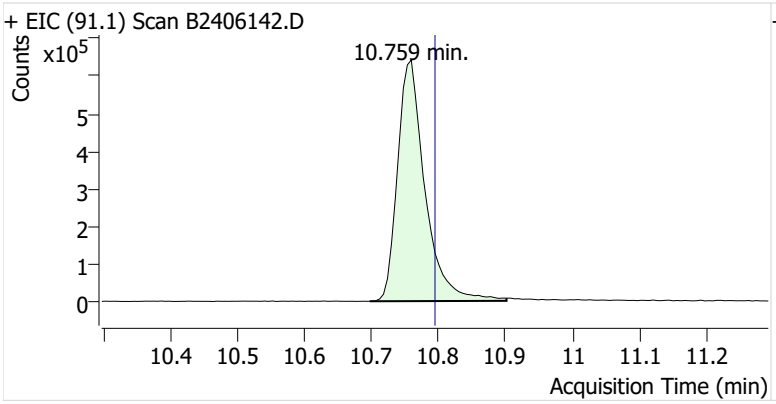


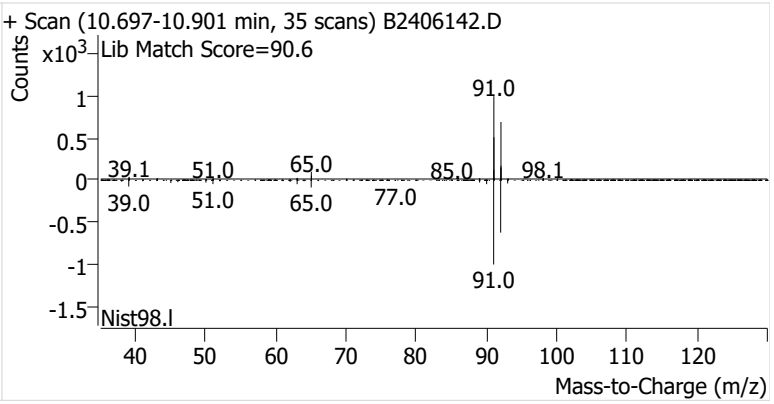
Toluene-d8 (IS)



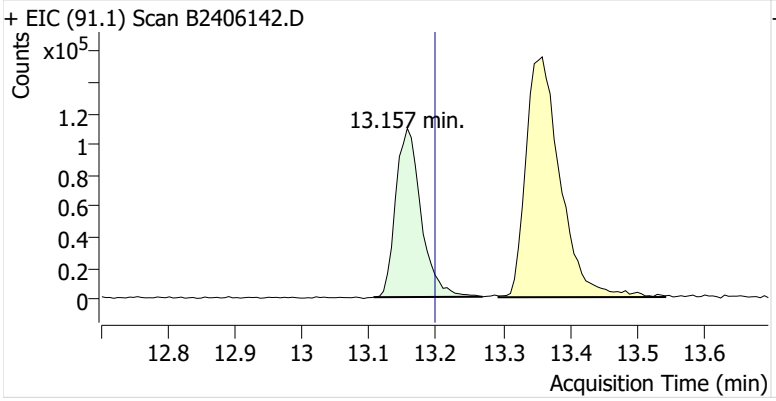


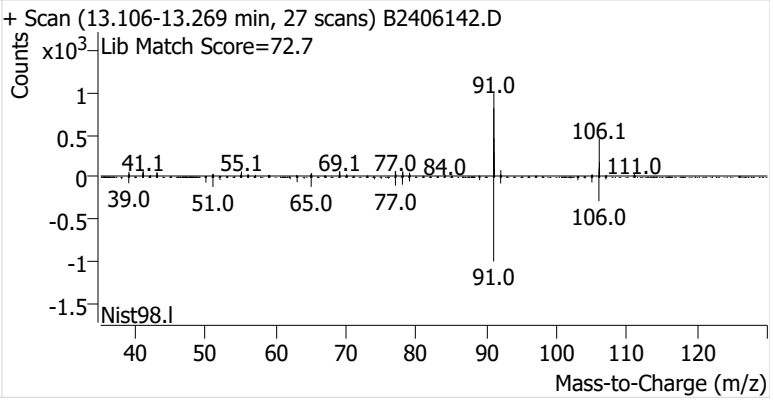
Toluene



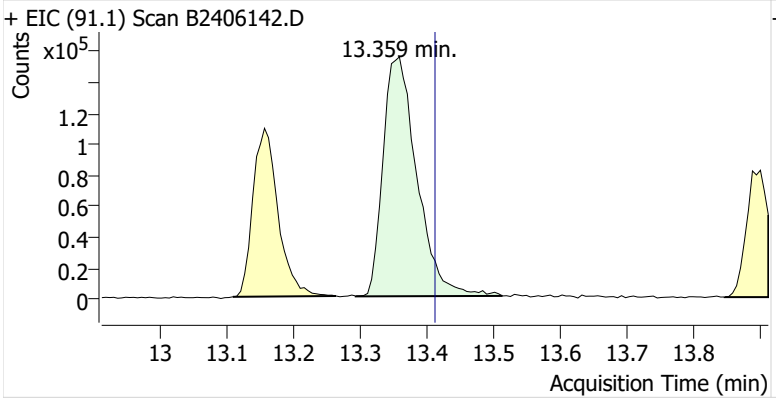


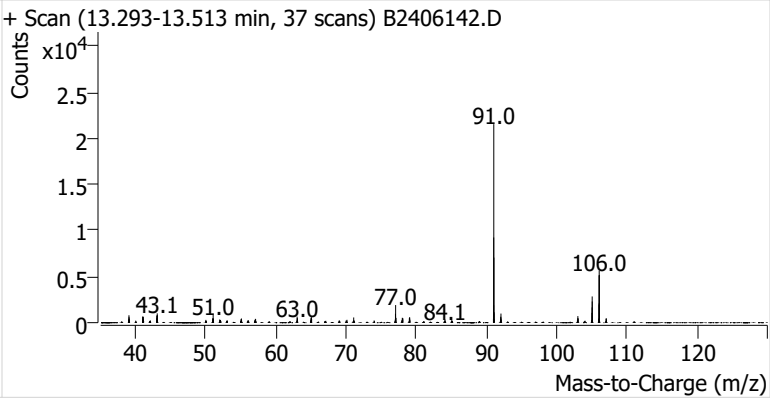
Ethylbenzene



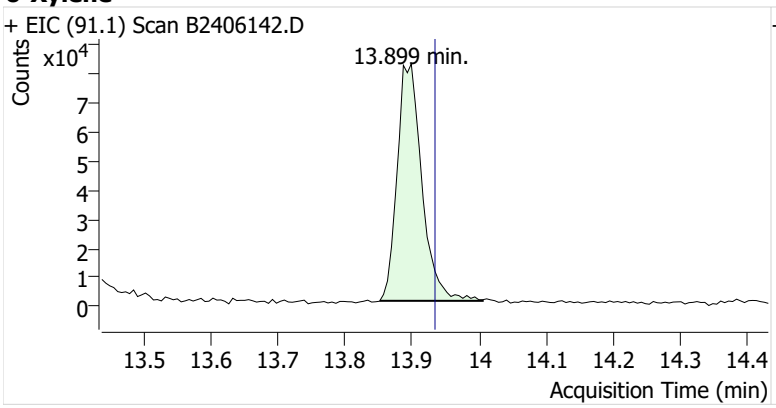


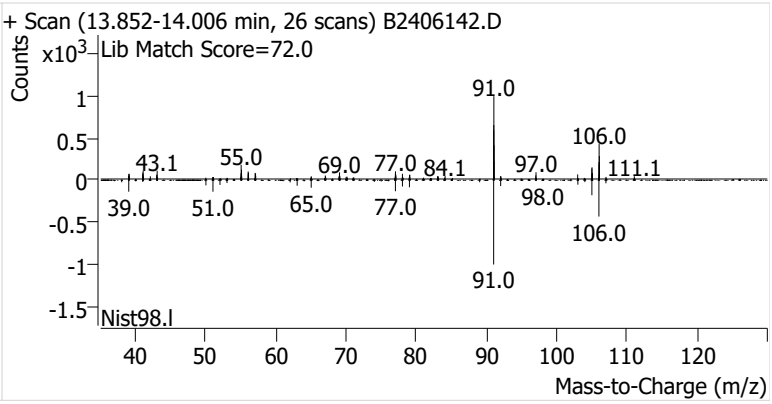
m-/p-Xylene





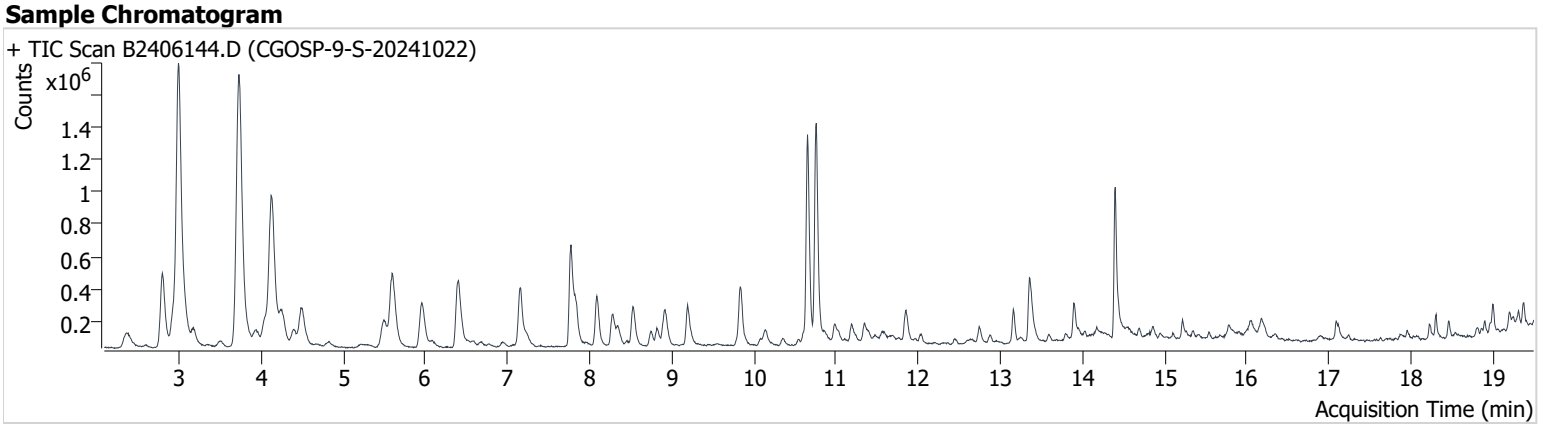
o-Xylene


+ EIC (91.1) Scan B2406142.D
Counts
x10^4
13.899 min.
Acquisition Time (min)


+ Scan (13.852-14.006 min, 26 scans) B2406142.D
Counts
x10^3
Lib Match Score=72.0
Nist98.l
Mass-to-Charge (m/z)

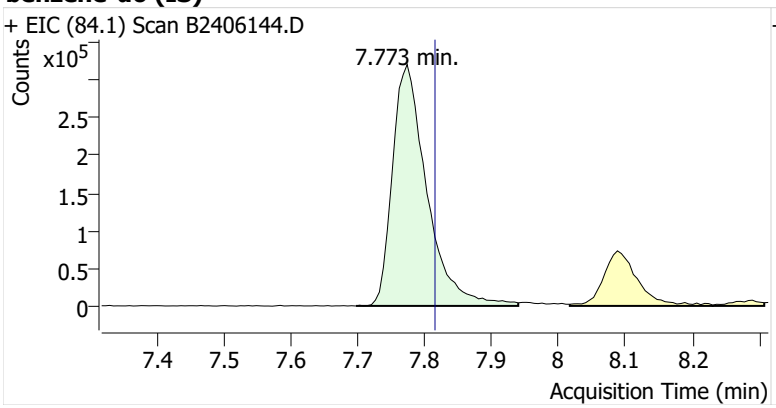
Name	CGOSP-9-S-20241022
Comment	B32880
Data File	B2406144.D
Acq. Date-Time	11/13/2024 6:01:10 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

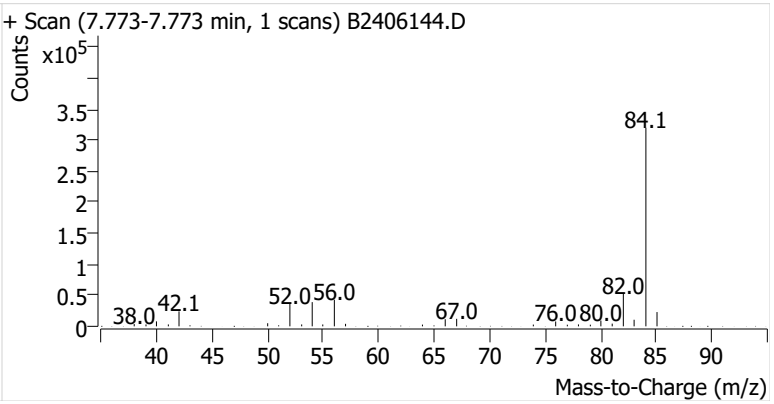
Sample Chromatogram



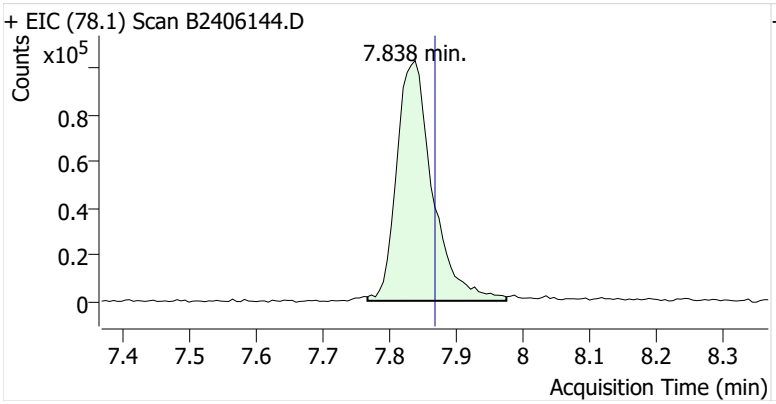
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.773	7.815	1,144,592	
Benzene	benzene-d6 (IS)	7.838	7.868	383,577	
Toluene-d8 (IS)		10.652	10.693	1,393,184	
Toluene	Toluene-d8 (IS)	10.759	10.794	1,668,725	
Ethylbenzene	Toluene-d8 (IS)	13.157	13.198	239,067	
m-/p-Xylene	Toluene-d8 (IS)	13.352	13.412	524,836	
o-Xylene	Toluene-d8 (IS)	13.893	13.934	218,362	

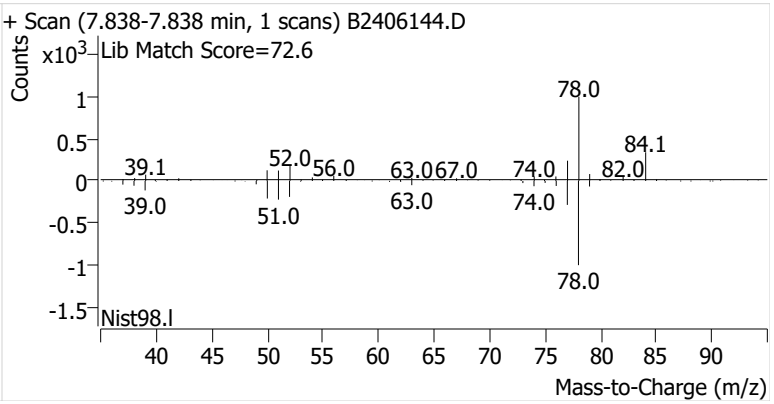
benzene-d6 (IS)



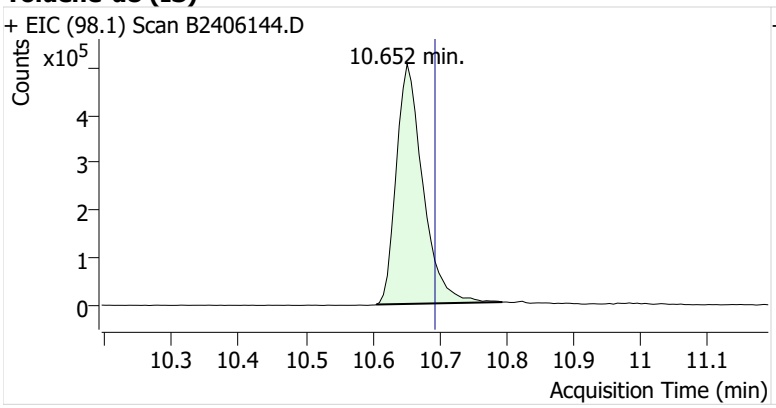


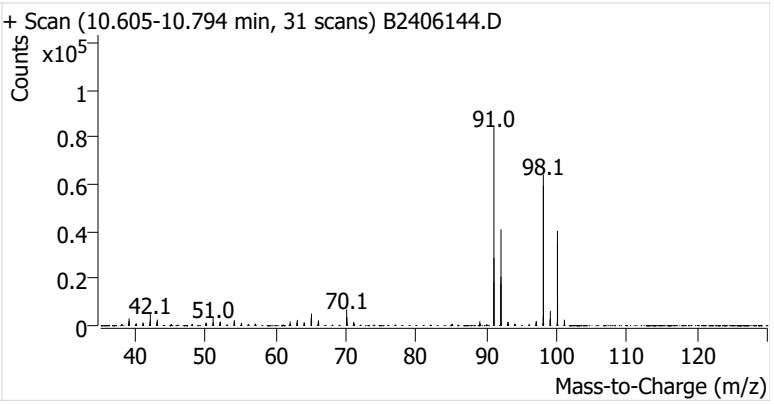
Benzene



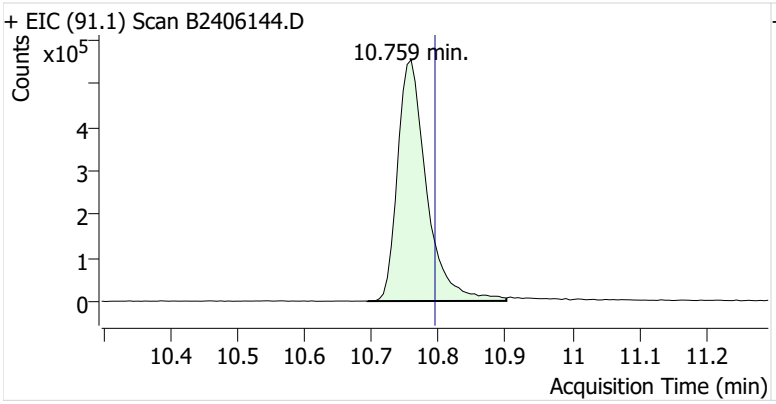


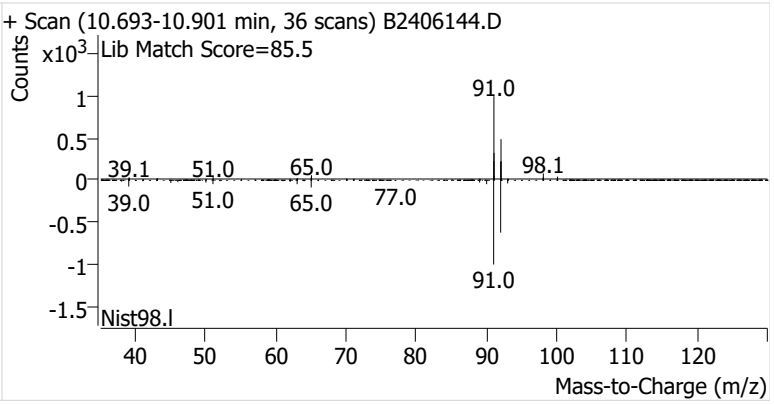
Toluene-d8 (IS)



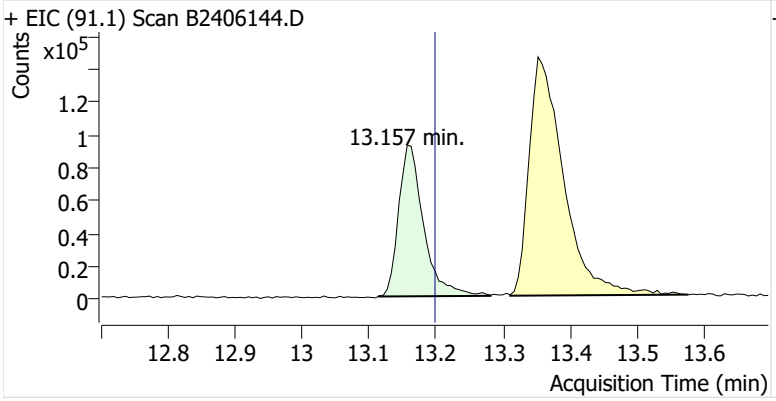


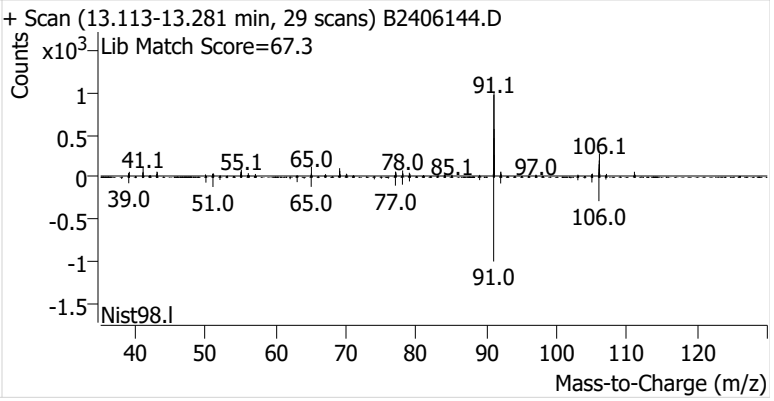
Toluene



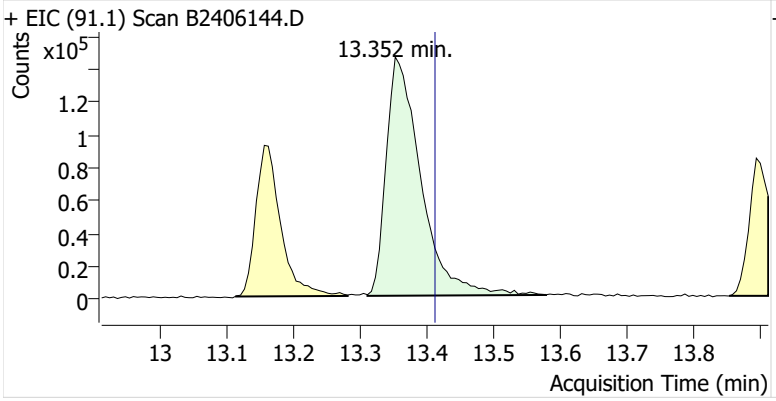


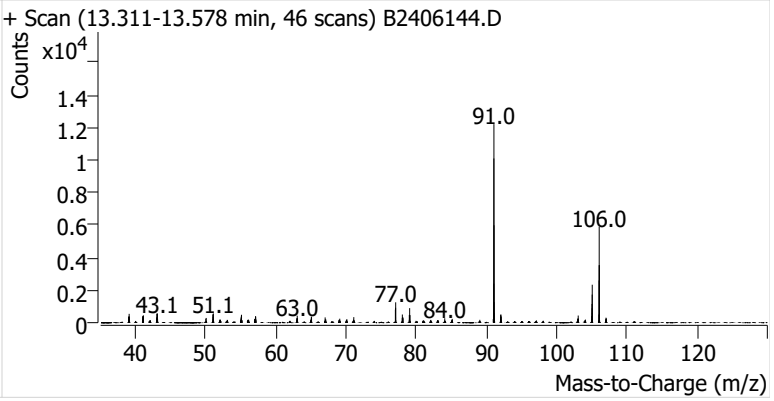
Ethylbenzene



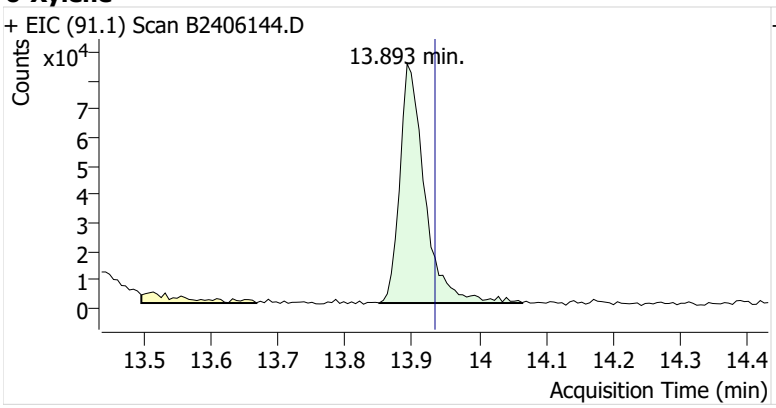


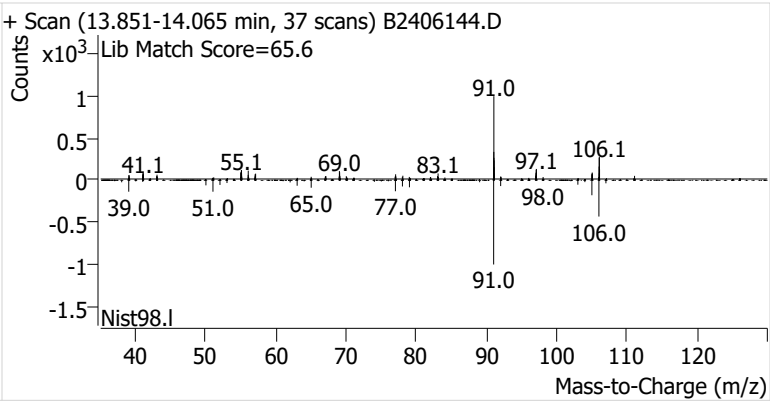
m-/p-Xylene





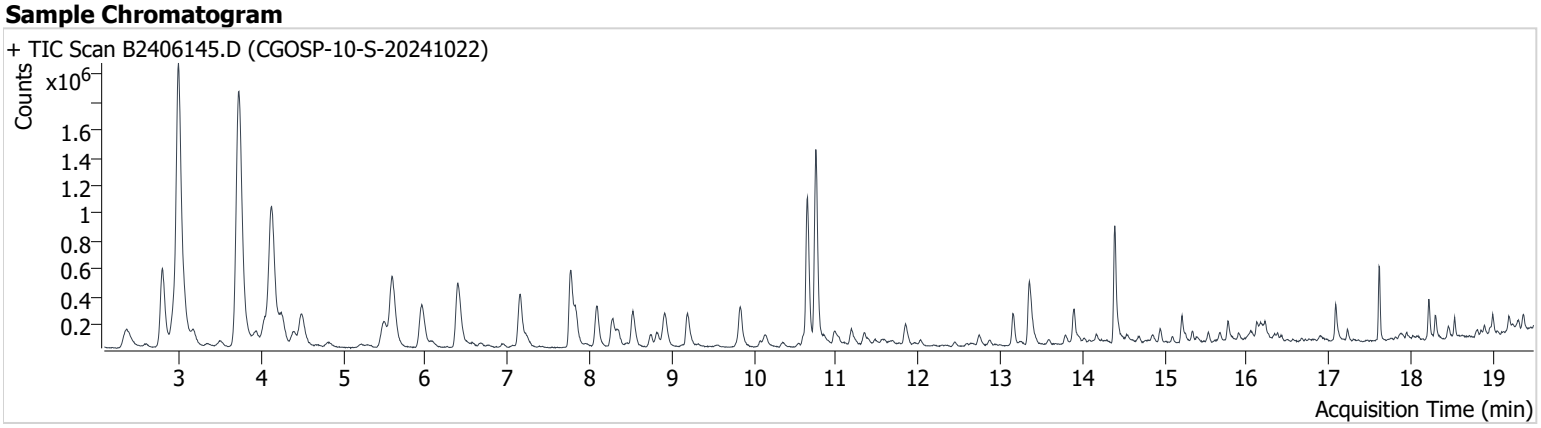
o-Xylene


+ EIC (91.1) Scan B2406144.D
Counts
x10^4
13.893 min.
Acquisition Time (min)


+ Scan (13.851-14.065 min, 37 scans) B2406144.D
Counts
x10^3
Lib Match Score=65.6
91.0
41.1
55.1
69.0
83.1
97.1
106.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
Mass-to-Charge (m/z)

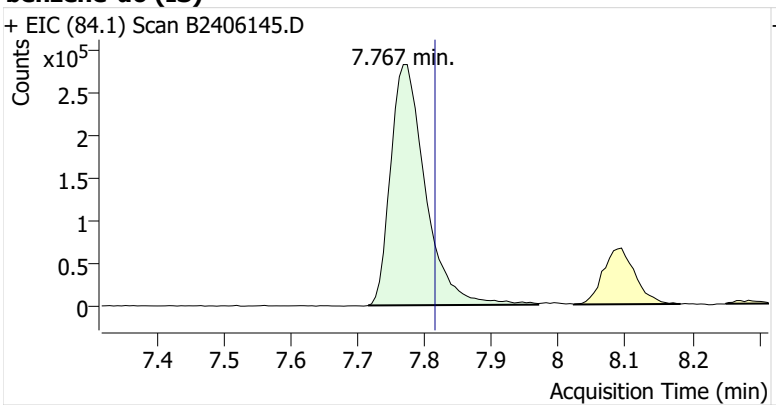
Name	CGOSP-10-S-20241022
Comment	C37008
Data File	B2406145.D
Acq. Date-Time	11/13/2024 6:38:28 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

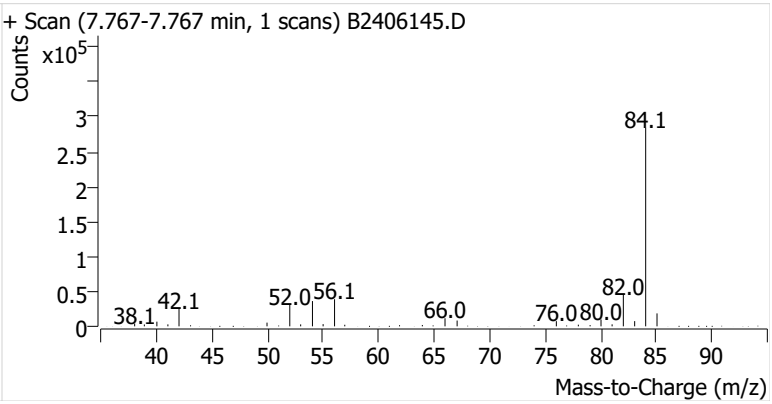
Sample Chromatogram



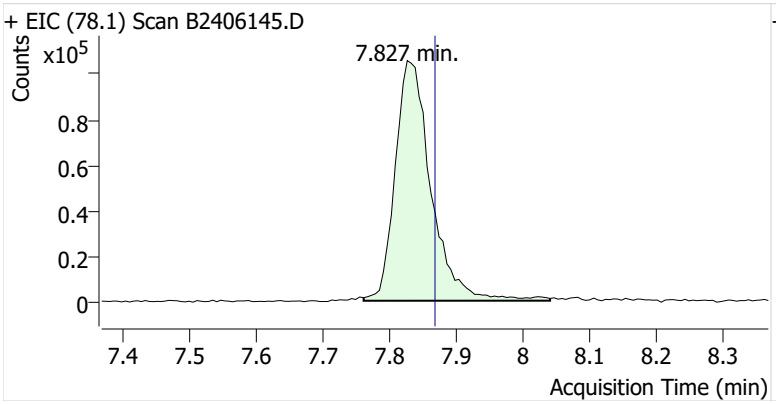
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.767	7.815	1,027,017	
Benzene	benzene-d6 (IS)	7.827	7.868	392,170	
Toluene-d8 (IS)		10.652	10.693	1,183,396	
Toluene	Toluene-d8 (IS)	10.753	10.794	1,666,293	
Ethylbenzene	Toluene-d8 (IS)	13.157	13.198	268,915	
m-/p-Xylene	Toluene-d8 (IS)	13.353	13.412	555,462	
o-Xylene	Toluene-d8 (IS)	13.899	13.934	226,637	

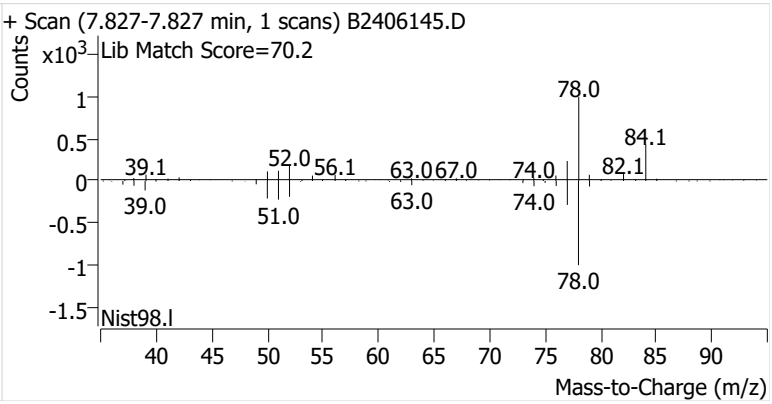
benzene-d6 (IS)



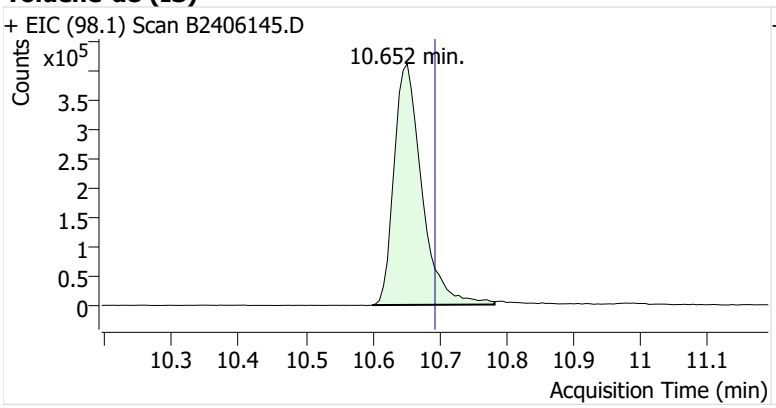


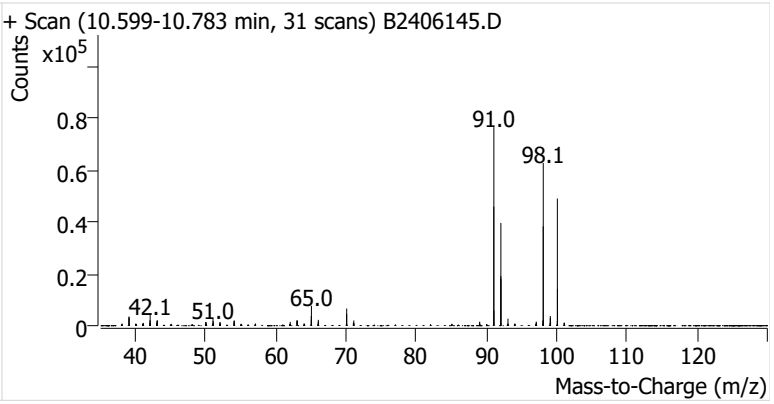
Benzene



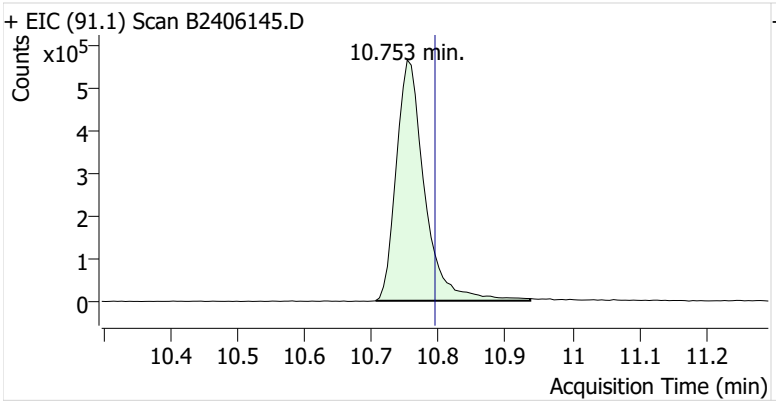


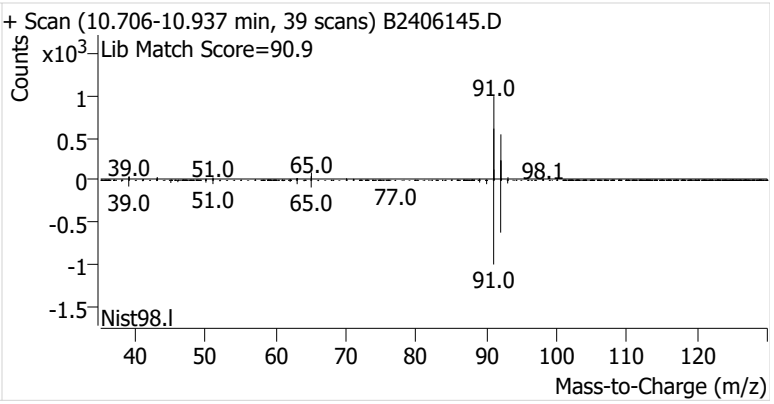
Toluene-d8 (IS)



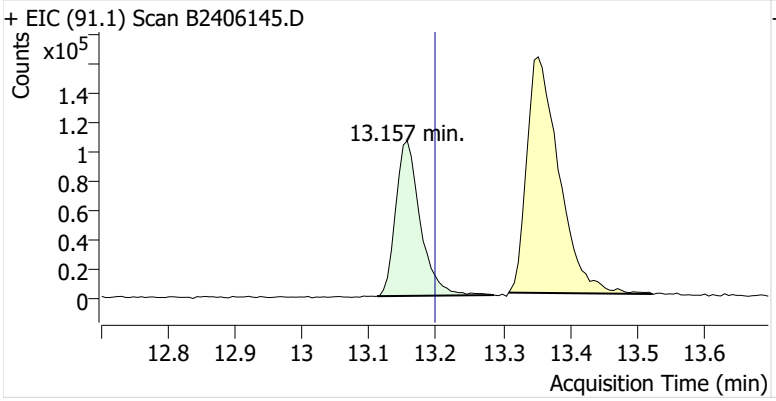


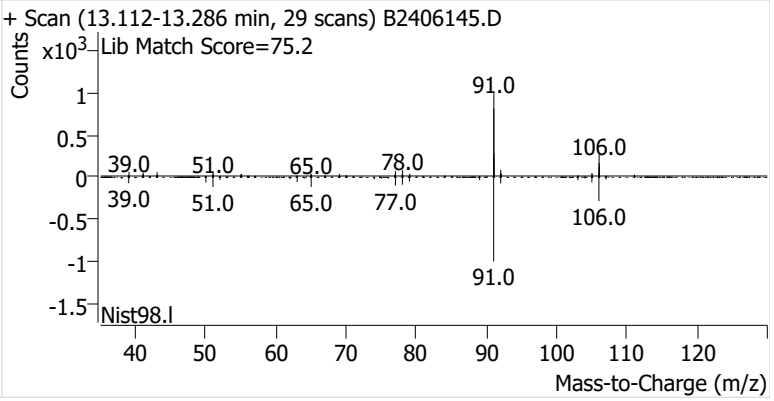
Toluene



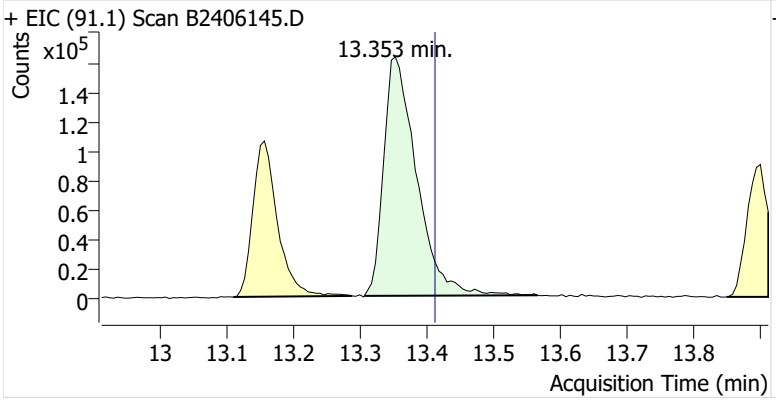


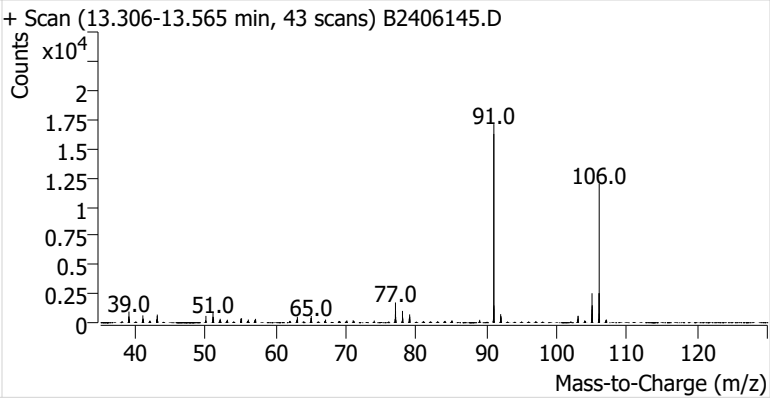
Ethylbenzene



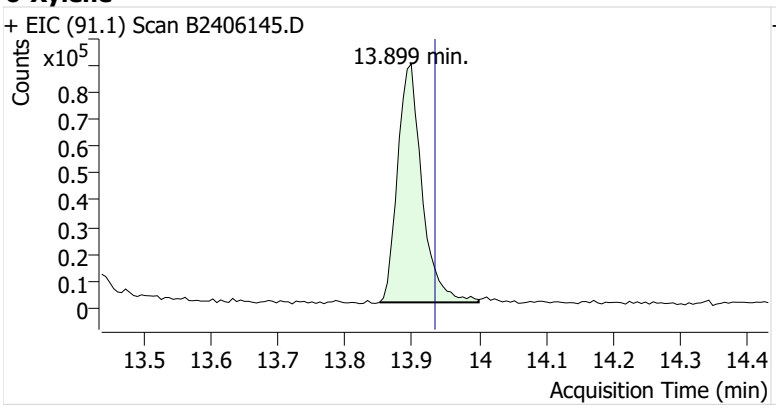


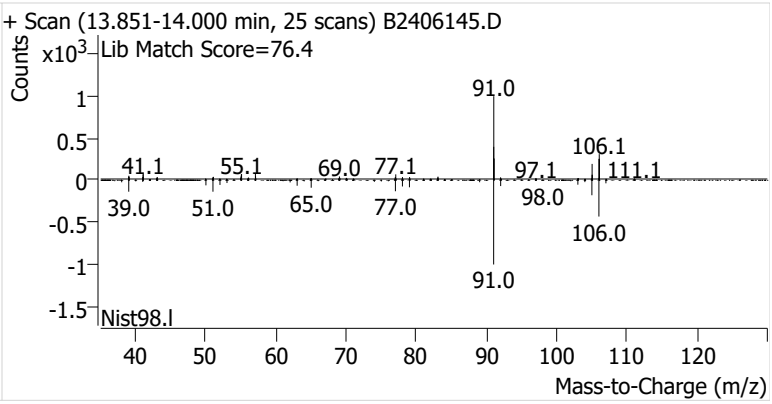
m-/p-Xylene





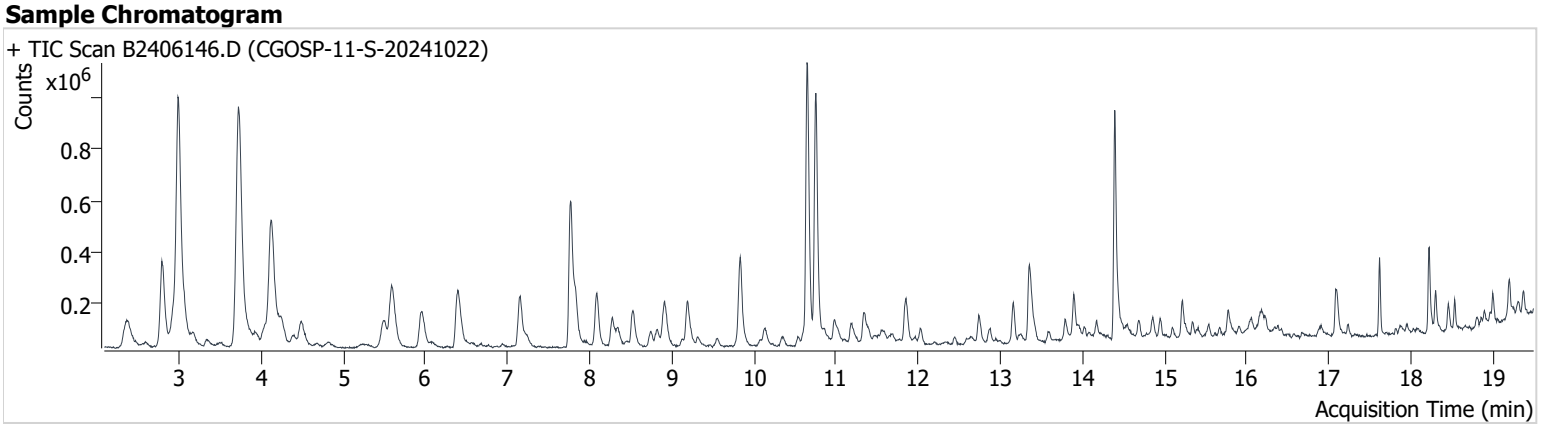
o-Xylene


+ EIC (91.1) Scan B2406145.D
Counts
x10^5
13.899 min.
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)


+ Scan (13.851-14.000 min, 25 scans) B2406145.D
Counts
x10^3
Lib Match Score=76.4
91.0
106.1
41.1
55.1
69.0
77.1
97.1
111.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

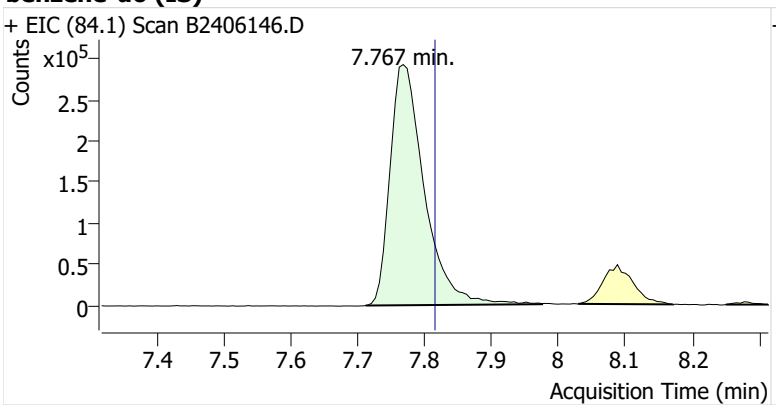
Name	CGOSP-11-S-20241022
Comment	B50625
Data File	B2406146.D
Acq. Date-Time	11/13/2024 7:15:50 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

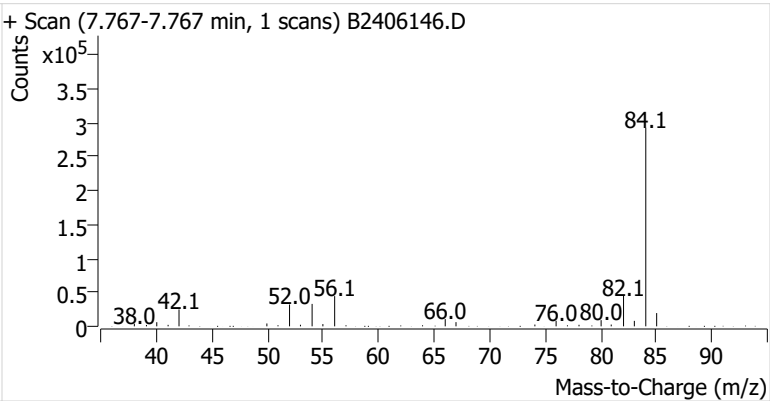
Sample Chromatogram



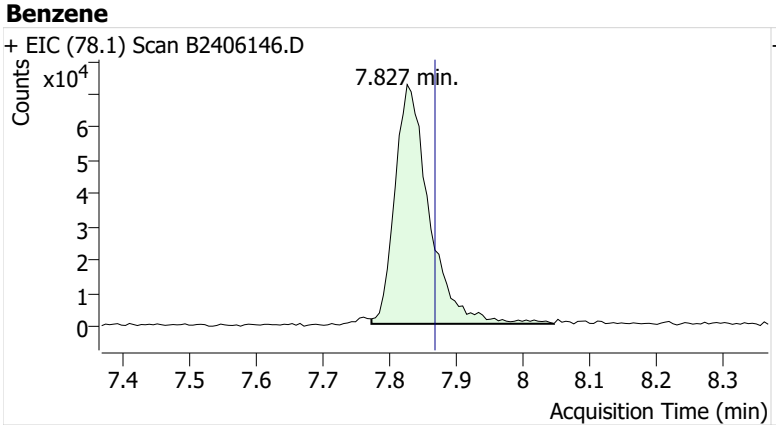
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.767	7.815	1,039,167	
Benzene	benzene-d6 (IS)	7.827	7.868	258,318	
Toluene-d8 (IS)		10.652	10.693	1,203,181	
Toluene	Toluene-d8 (IS)	10.753	10.794	1,139,841	
Ethylbenzene	Toluene-d8 (IS)	13.157	13.198	173,346	
m-/p-Xylene	Toluene-d8 (IS)	13.346	13.412	384,825	
o-Xylene	Toluene-d8 (IS)	13.893	13.934	143,428	

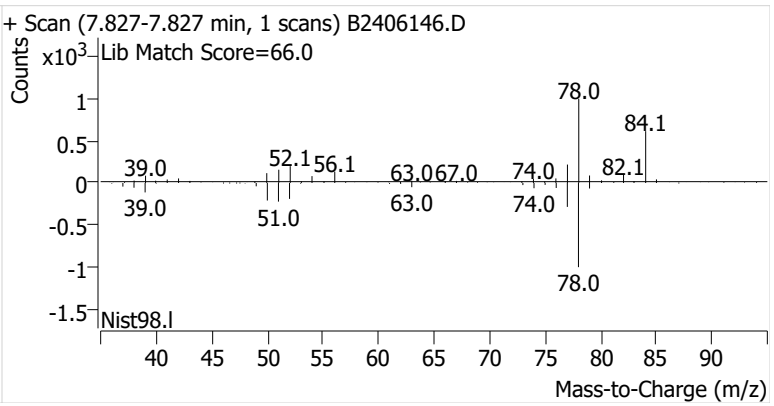
benzene-d6 (IS)



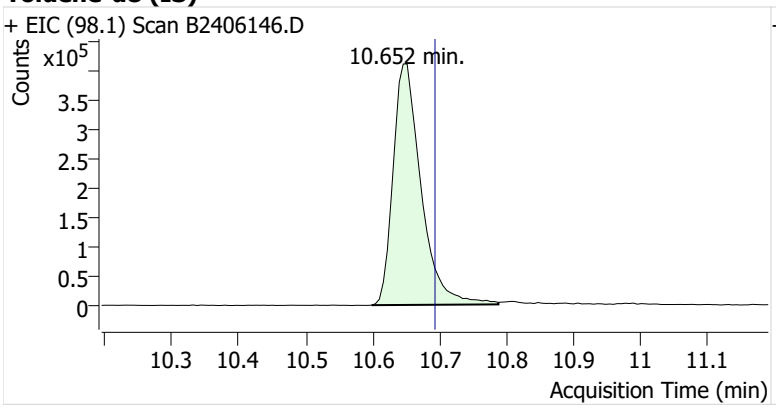


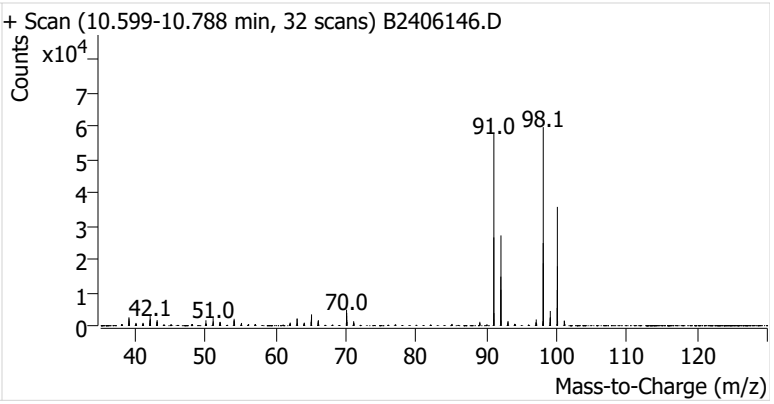
Benzene



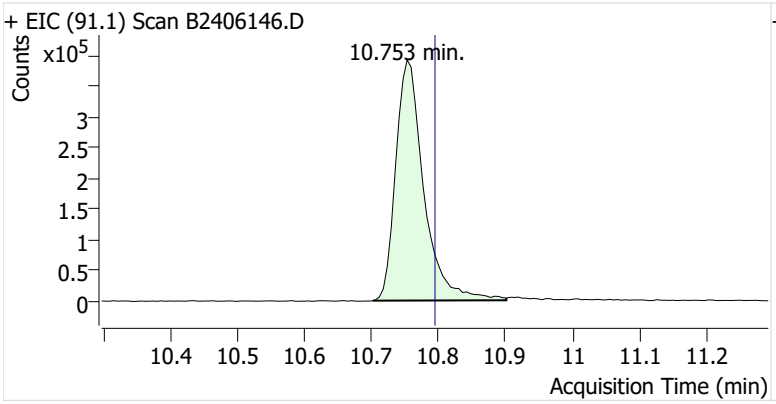


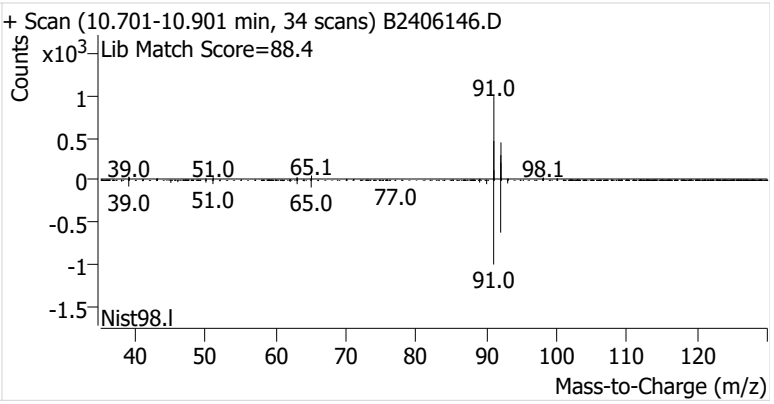
Toluene-d8 (IS)



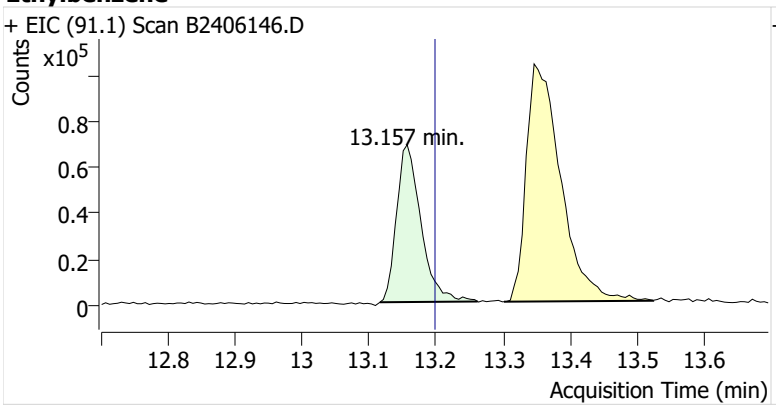


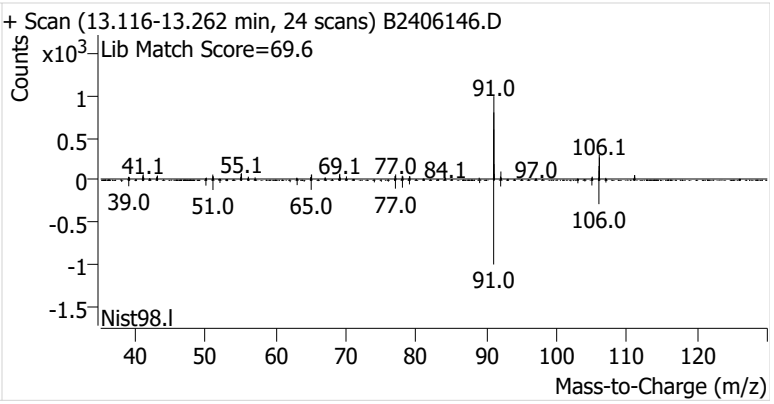
Toluene



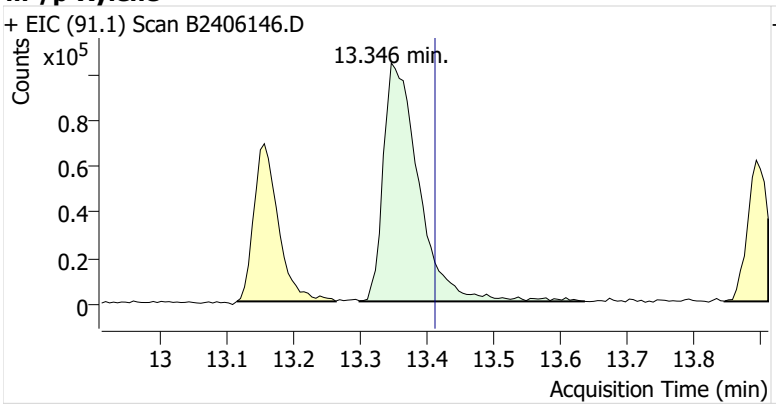


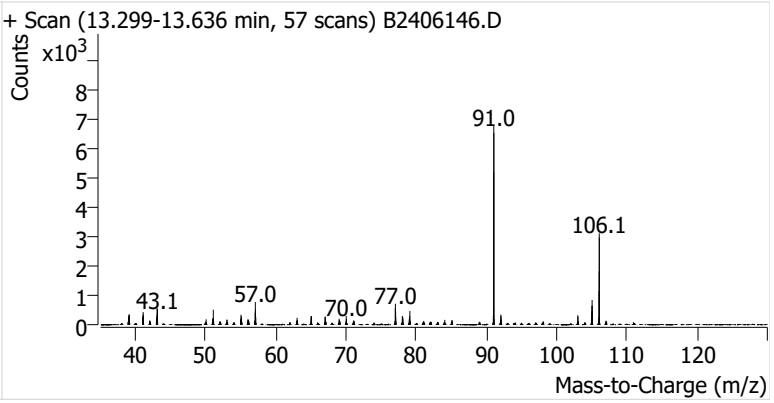
Ethylbenzene



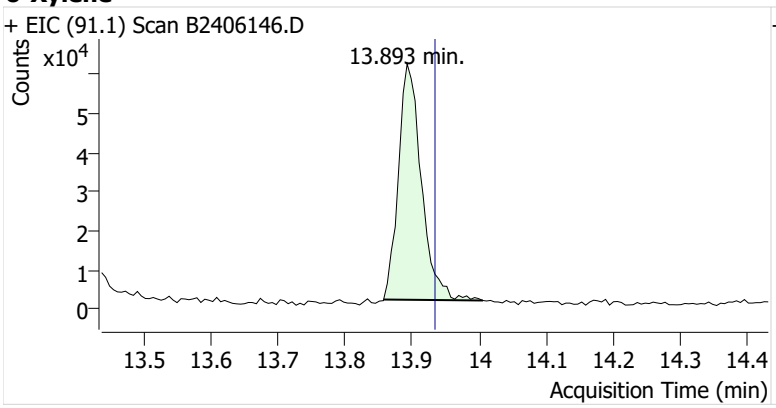


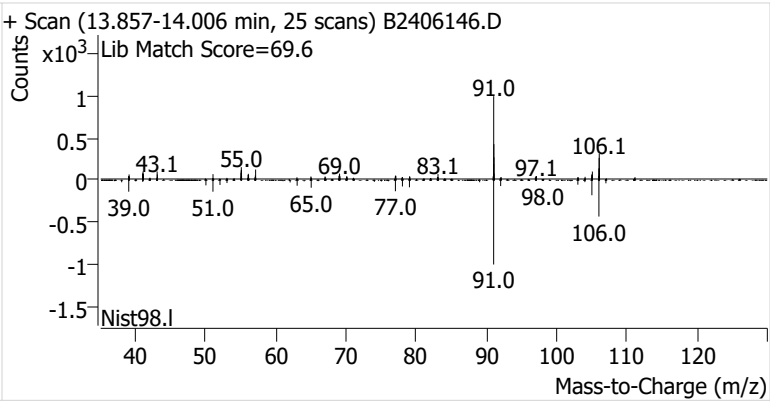
m-/p-Xylene





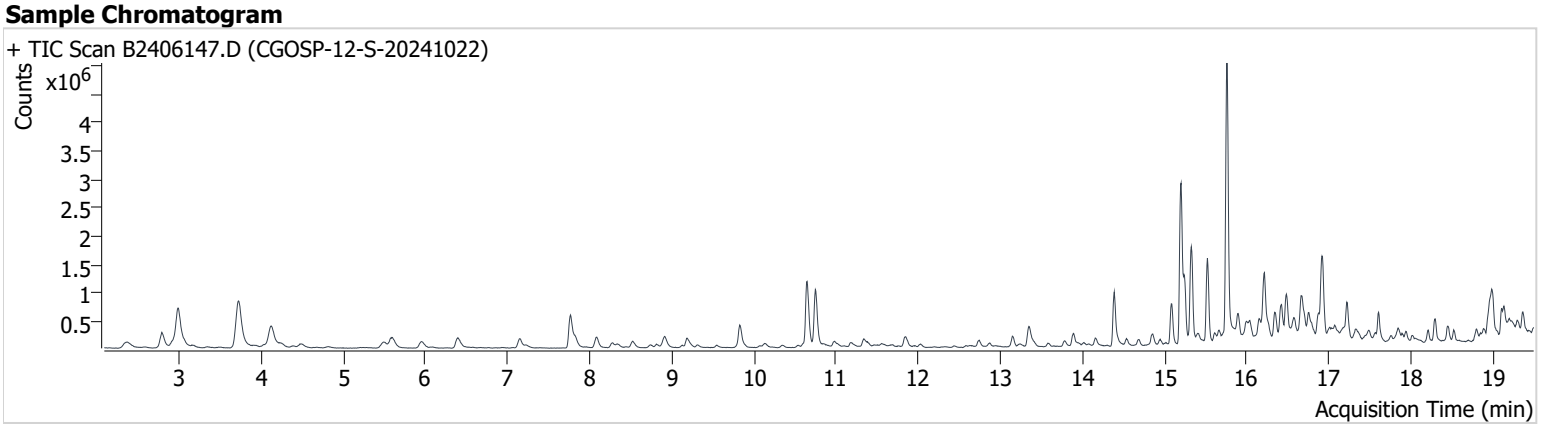
o-Xylene


+ EIC (91.1) Scan B2406146.D
Counts
x10^4
13.893 min.
5
4
3
2
1
0
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)


+ Scan (13.857-14.006 min, 25 scans) B2406146.D
Counts
x10^3
Lib Match Score=69.6
91.0
106.1
43.1
55.0
69.0
83.1
97.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

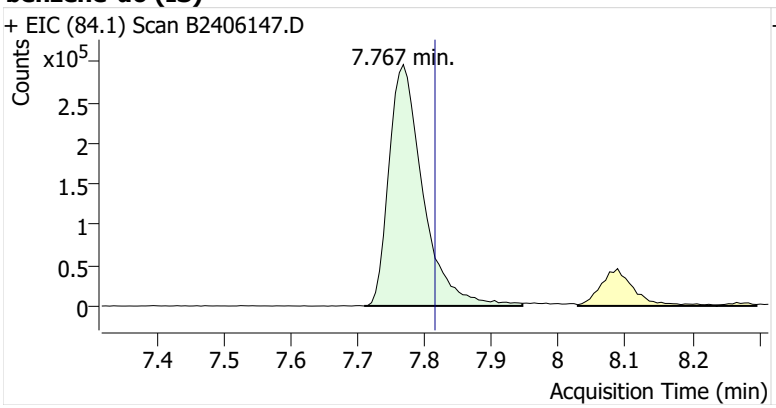
Name	CGOSP-12-S-20241022
Comment	B49412
Data File	B2406147.D
Acq. Date-Time	11/13/2024 7:53:09 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

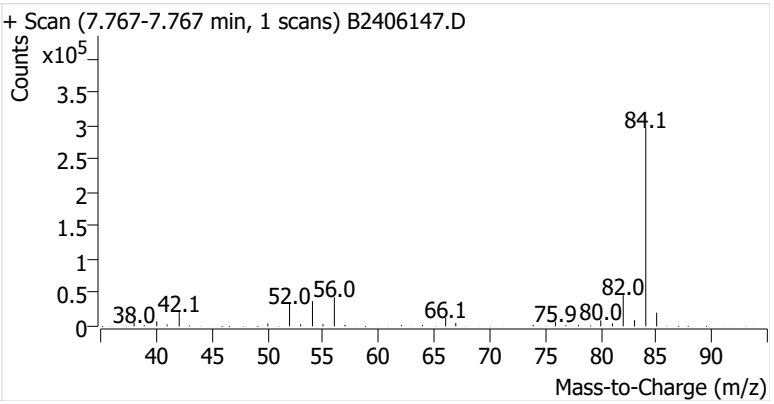
Sample Chromatogram



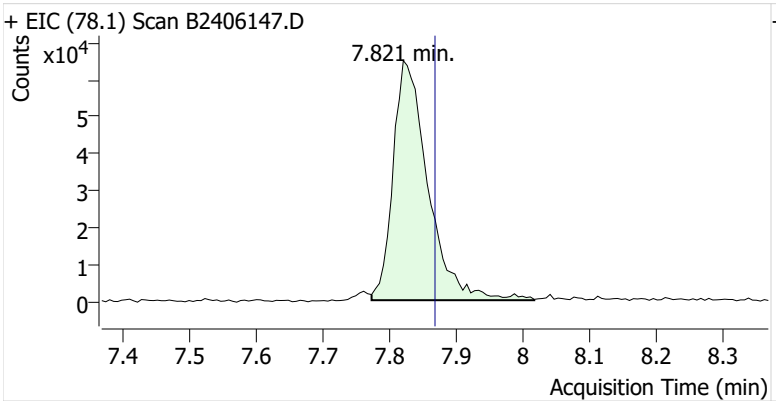
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.767	7.815	1,049,755	
Benzene	benzene-d6 (IS)	7.821	7.868	234,976	
Toluene-d8 (IS)		10.646	10.693	1,290,836	
Toluene	Toluene-d8 (IS)	10.747	10.794	1,167,590	
Ethylbenzene	Toluene-d8 (IS)	13.145	13.198	201,115	
m-/p-Xylene	Toluene-d8 (IS)	13.353	13.412	418,683	
o-Xylene	Toluene-d8 (IS)	13.887	13.934	211,712	

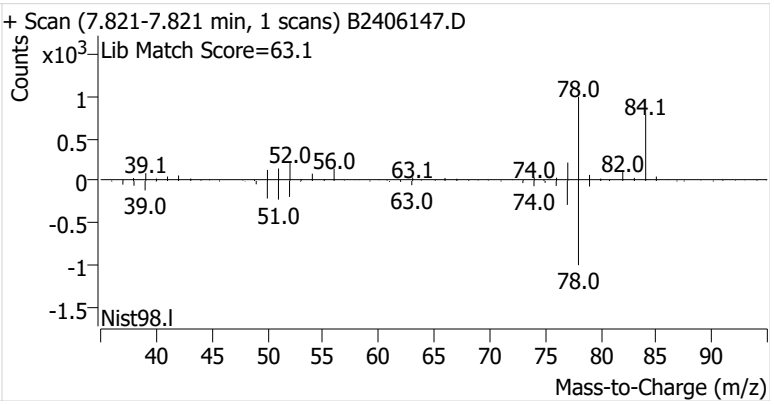
benzene-d6 (IS)



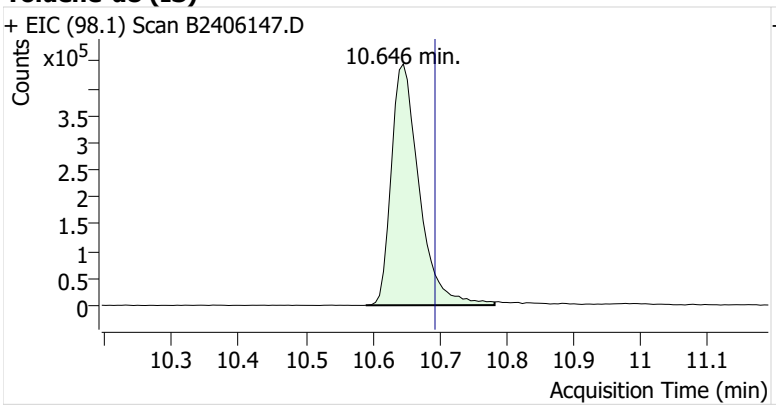


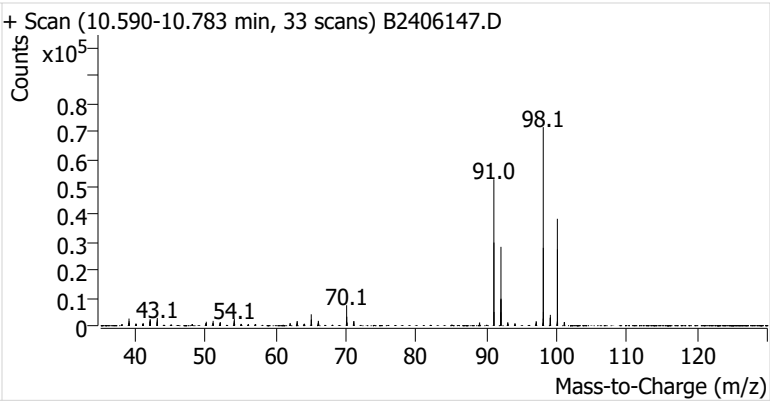
Benzene



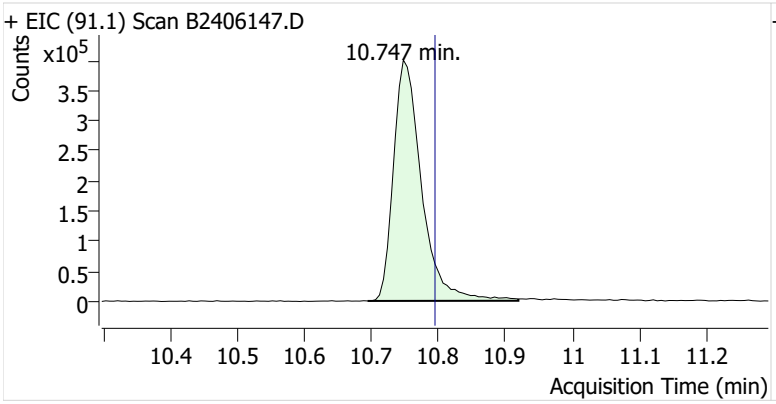


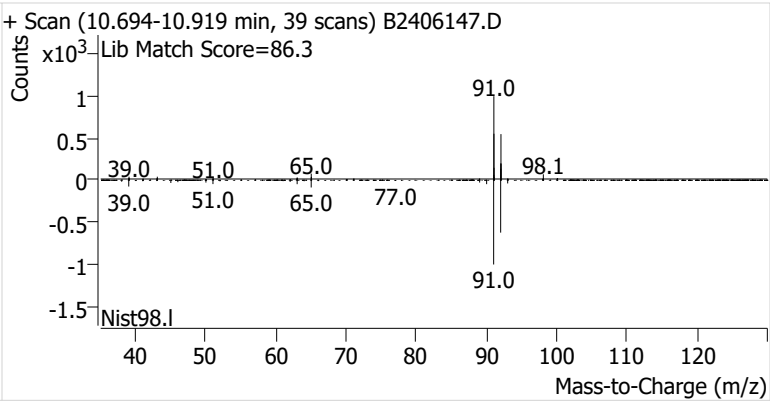
Toluene-d8 (IS)



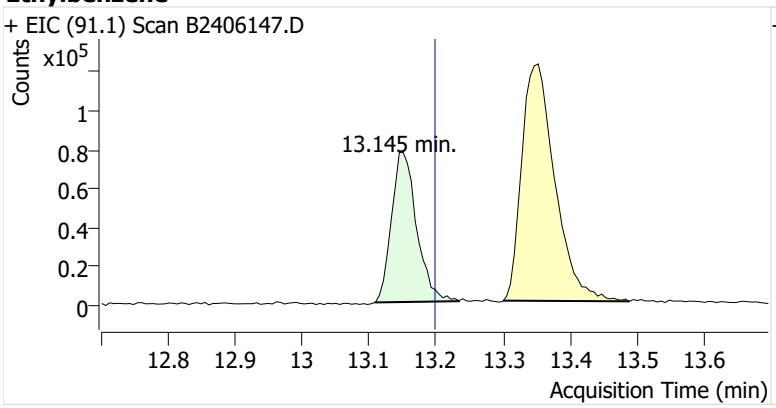


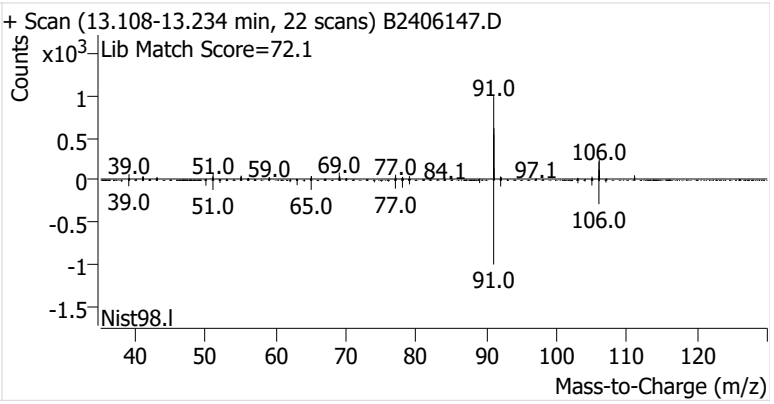
Toluene



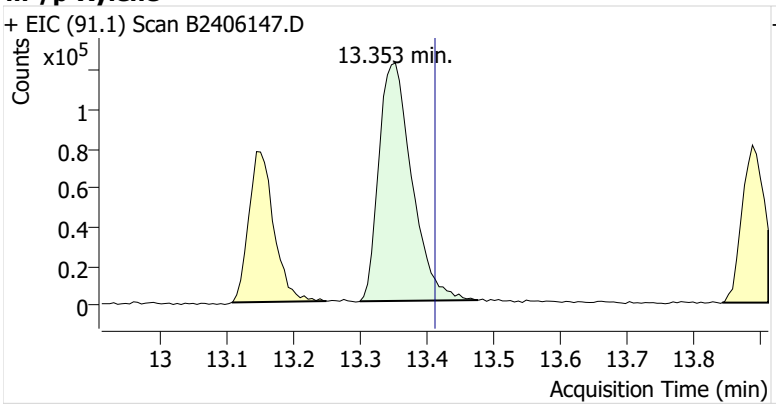


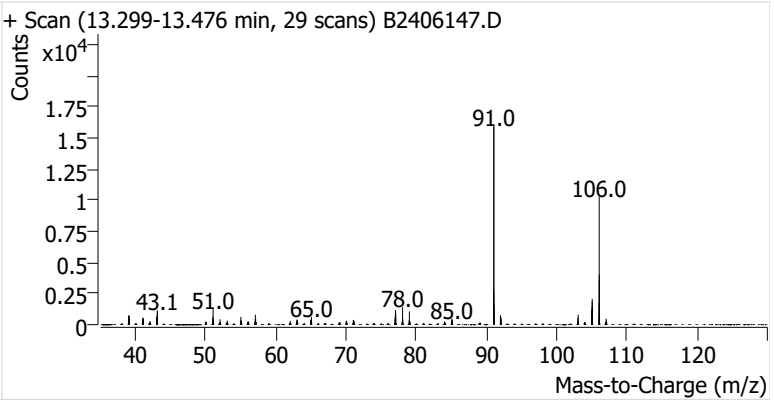
Ethylbenzene



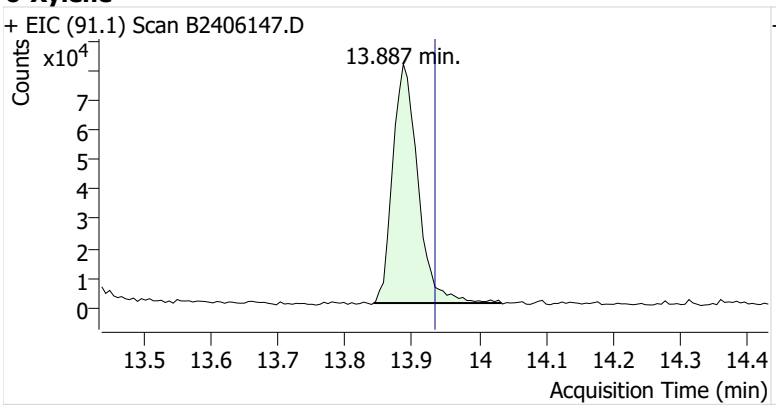


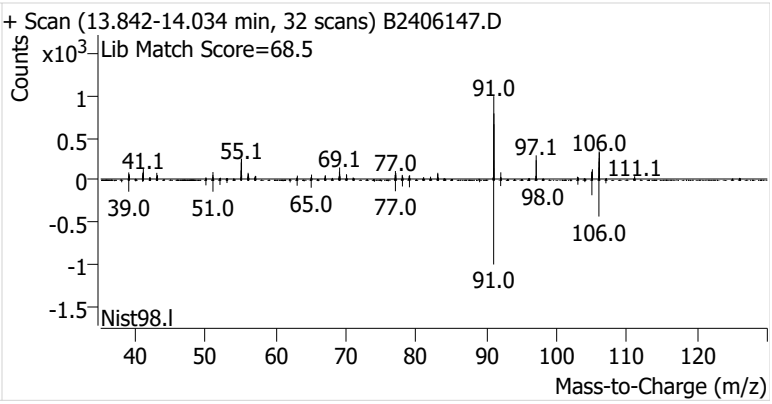
m-/p-Xylene





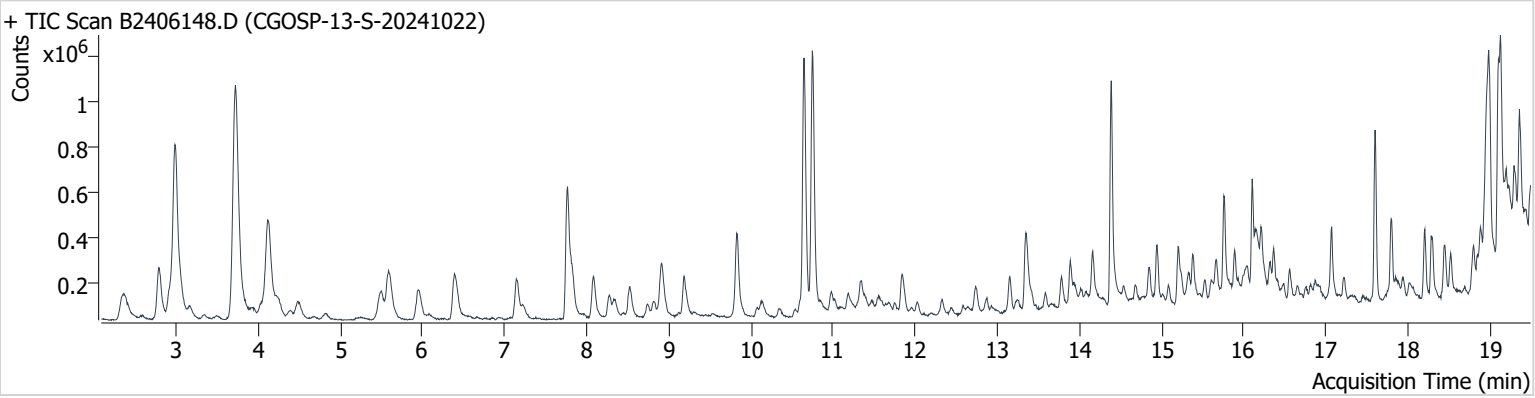
o-Xylene


+ EIC (91.1) Scan B2406147.D
Counts
x10^4
13.887 min.
Acquisition Time (min)


+ Scan (13.842-14.034 min, 32 scans) B2406147.D
Counts
x10^3
Lib Match Score=68.5
Nist98.l
Mass-to-Charge (m/z)

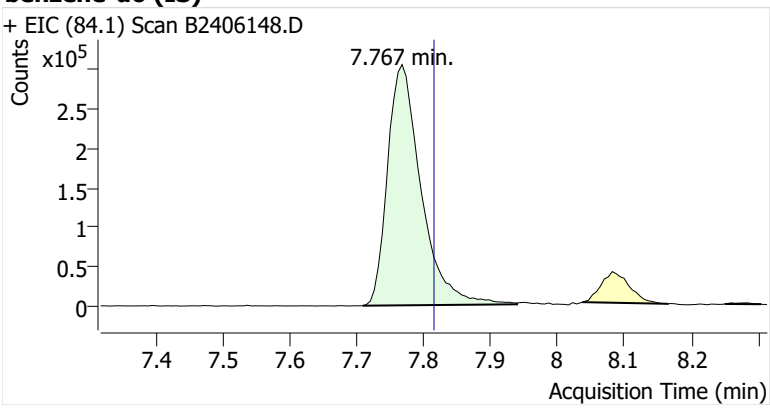
Name	CGOSP-13-S-20241022
Comment	C33485
Data File	B2406148.D
Acq. Date-Time	11/13/2024 8:30:29 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

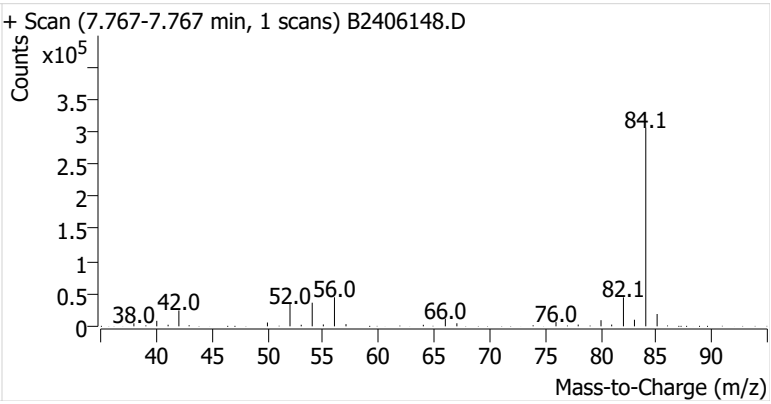
Sample Chromatogram



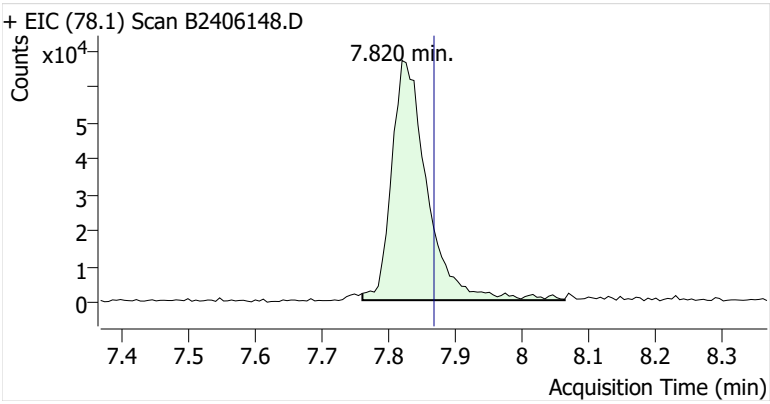
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.767	7.815	1,064,088	
Benzene	benzene-d6 (IS)	7.820	7.868	247,988	
Toluene-d8 (IS)		10.646	10.693	1,245,278	
Toluene	Toluene-d8 (IS)	10.747	10.794	1,362,457	
Ethylbenzene	Toluene-d8 (IS)	13.150	13.198	166,525	
m-/p-Xylene	Toluene-d8 (IS)	13.346	13.412	413,737	
o-Xylene	Toluene-d8 (IS)	13.886	13.934	166,632	

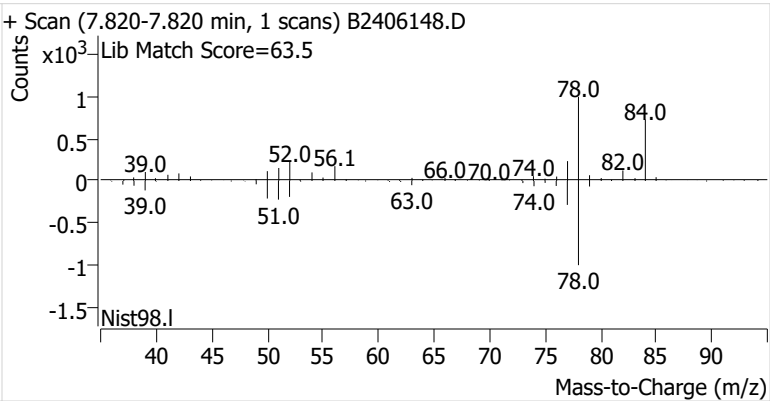
benzene-d6 (IS)



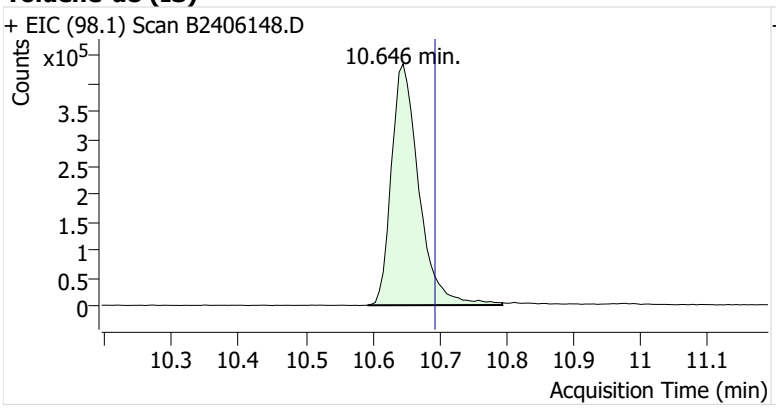


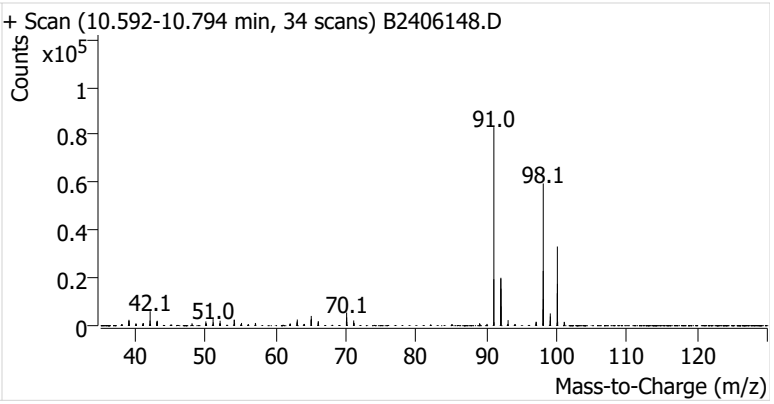
Benzene



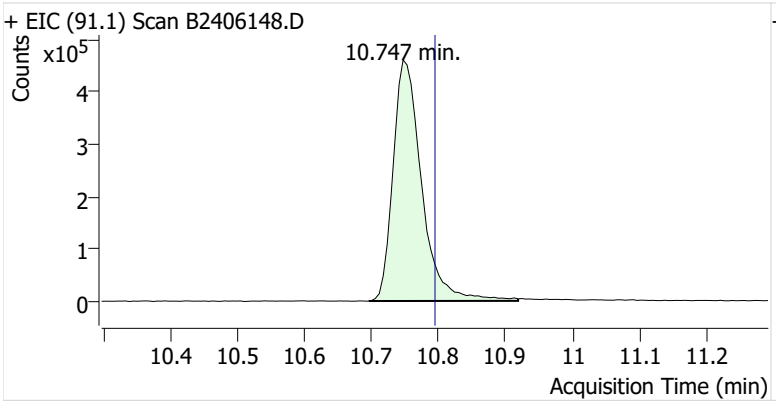


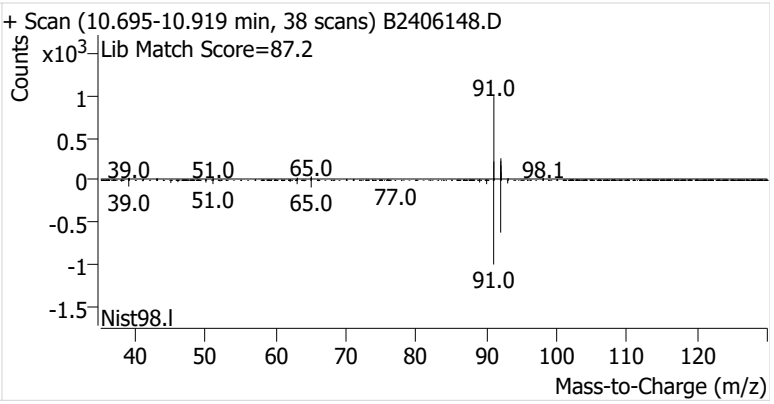
Toluene-d8 (IS)



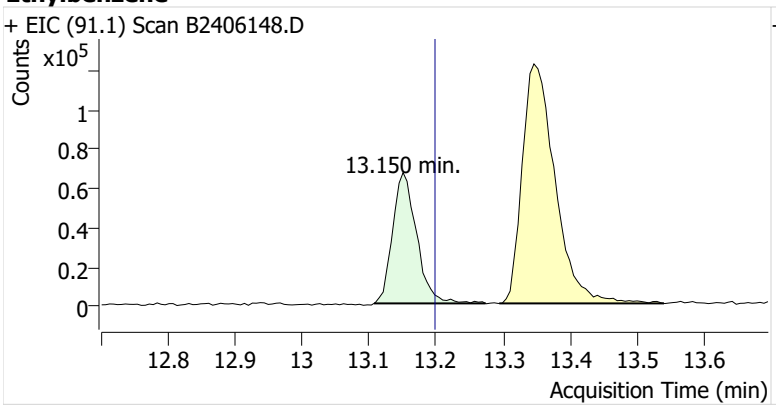


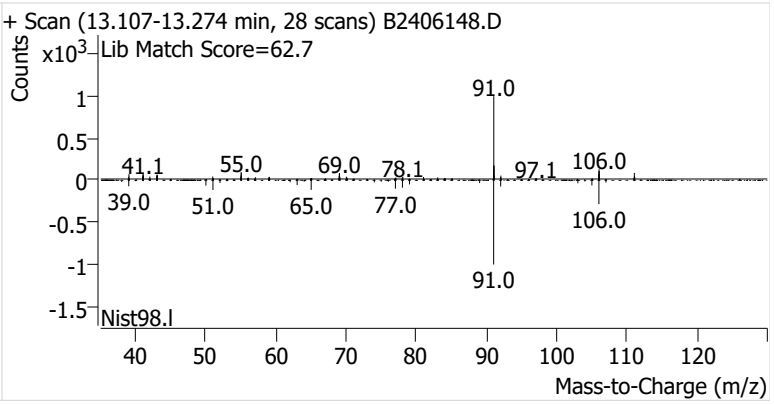
Toluene



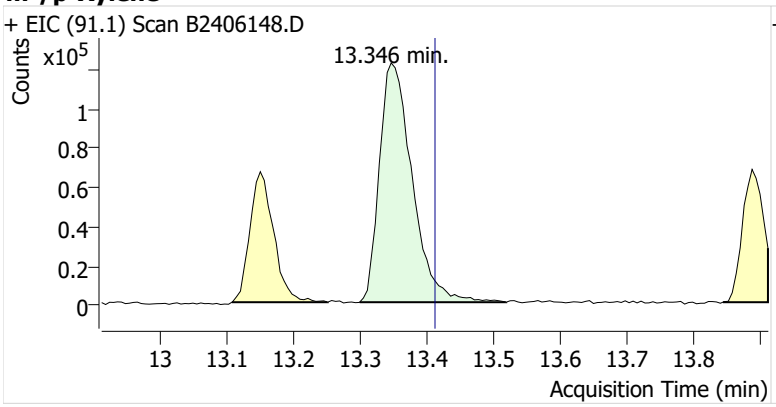


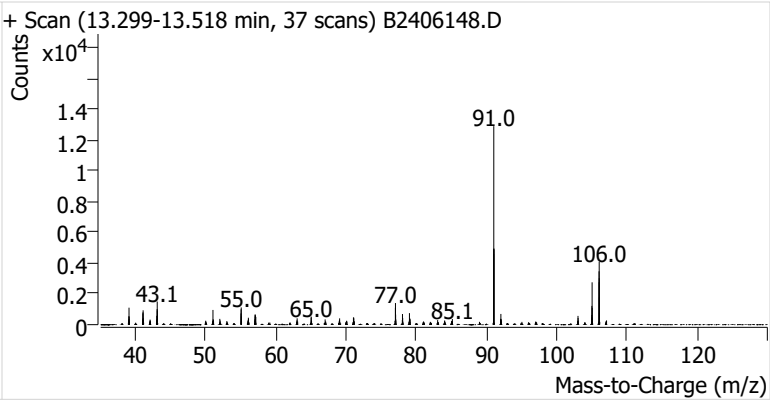
Ethylbenzene



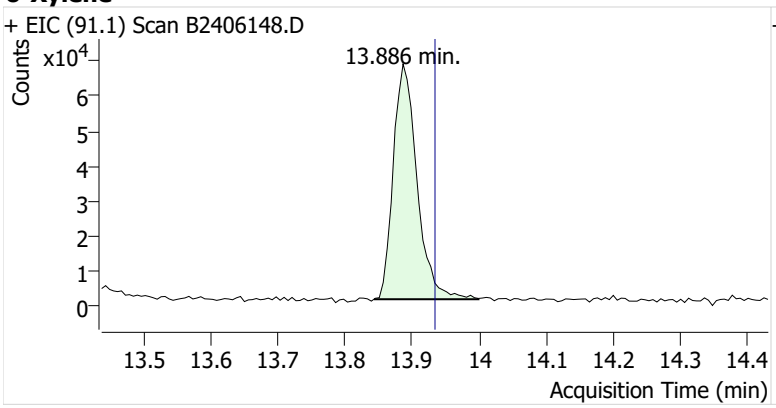


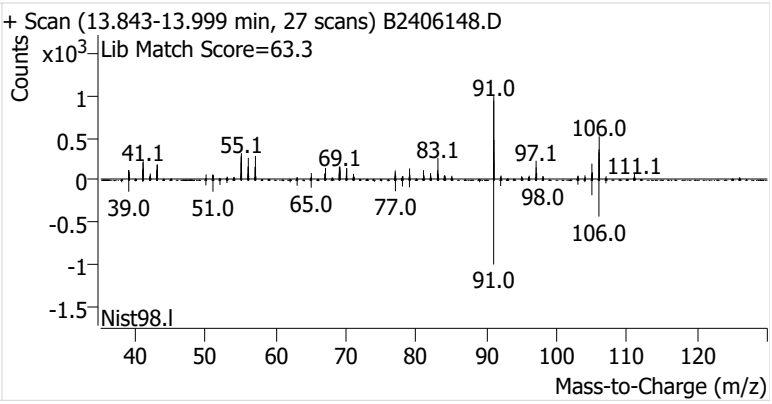
m-/p-Xylene





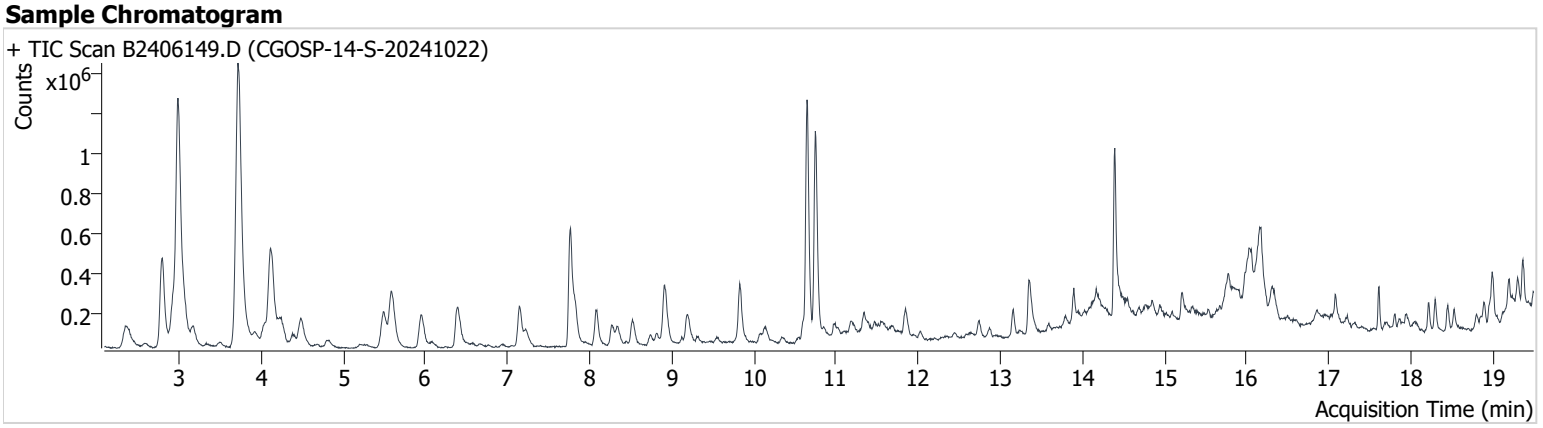
o-Xylene


+ EIC (91.1) Scan B2406148.D
Counts
x10^4
13.886 min.
Acquisition Time (min)


+ Scan (13.843-13.999 min, 27 scans) B2406148.D
Counts
x10^3
Lib Match Score=63.3
Nist98.l
Mass-to-Charge (m/z)

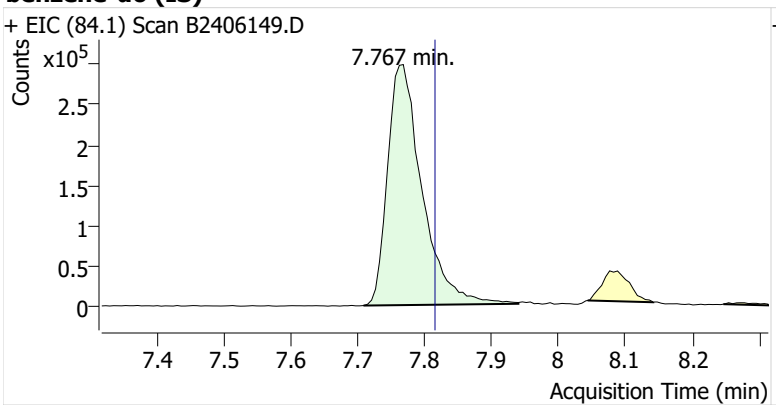
Name	CGOSP-14-S-20241022
Comment	B50657
Data File	B2406149.D
Acq. Date-Time	11/13/2024 9:07:48 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

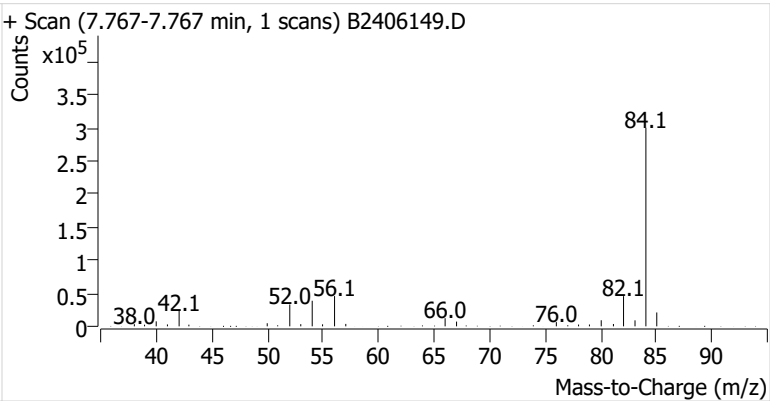
Sample Chromatogram



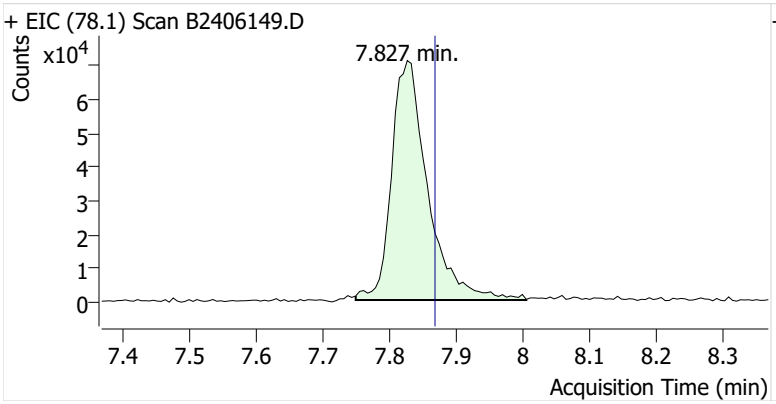
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.767	7.815	1,069,182	
Benzene	benzene-d6 (IS)	7.827	7.868	266,611	
Toluene-d8 (IS)		10.652	10.693	1,314,933	
Toluene	Toluene-d8 (IS)	10.747	10.794	1,166,762	
Ethylbenzene	Toluene-d8 (IS)	13.157	13.198	162,529	
m-/p-Xylene	Toluene-d8 (IS)	13.347	13.412	334,651	
o-Xylene	Toluene-d8 (IS)	13.893	13.934	140,205	

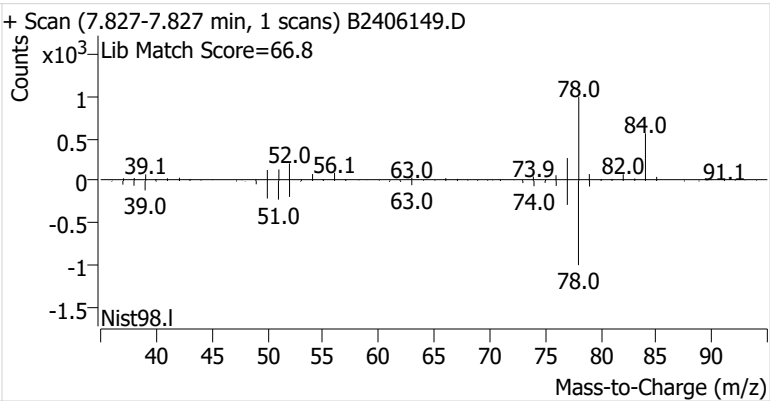
benzene-d6 (IS)



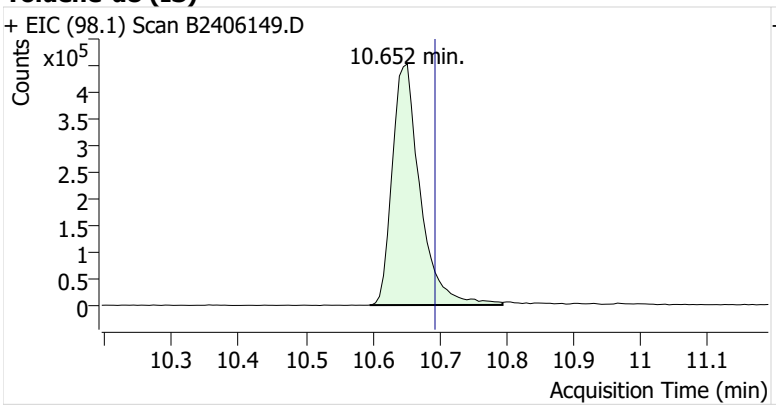


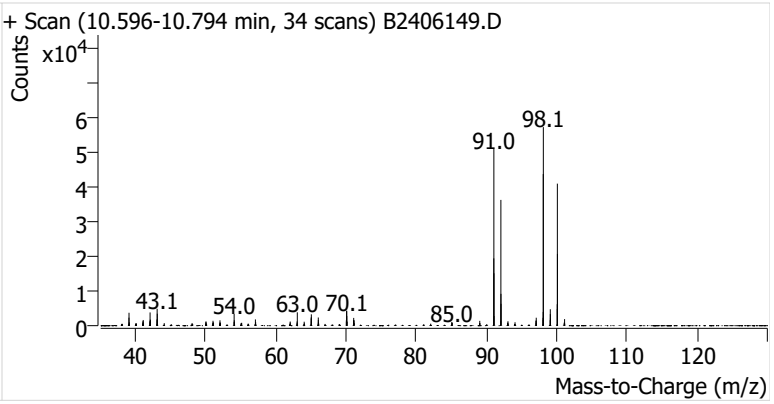
Benzene



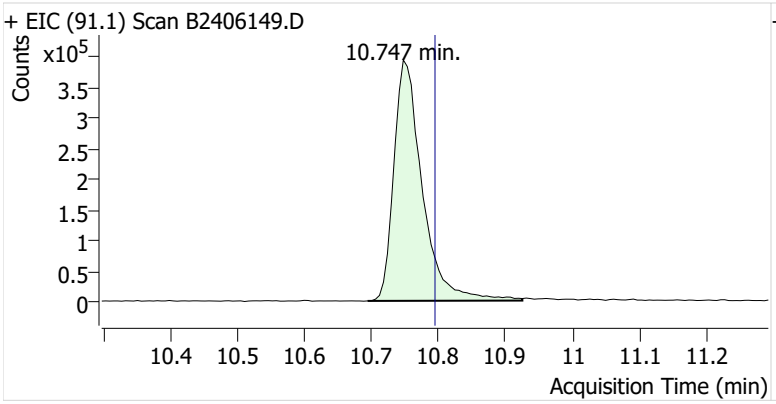


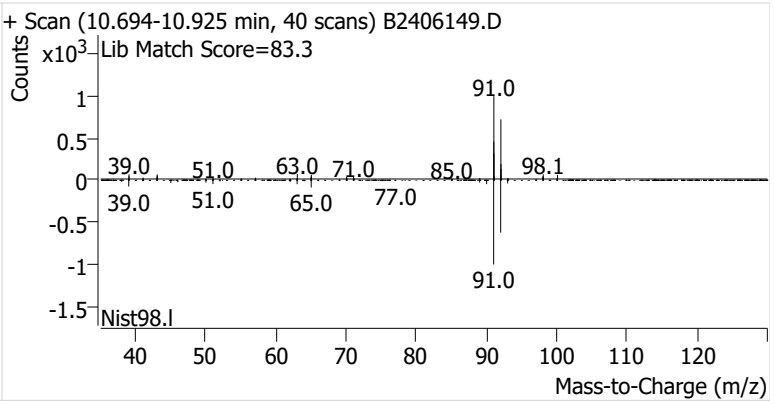
Toluene-d8 (IS)



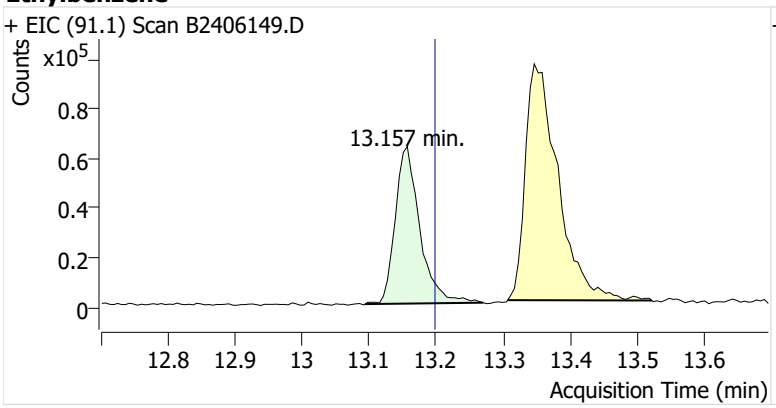


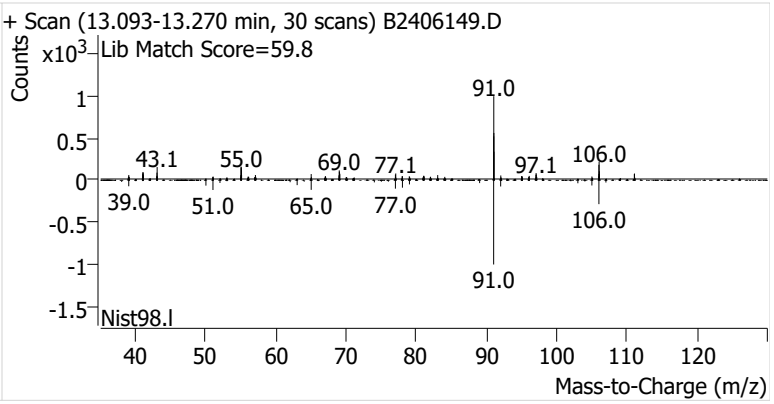
Toluene



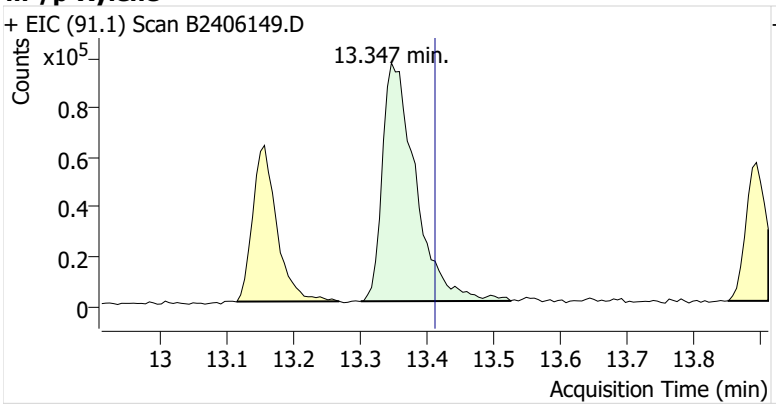


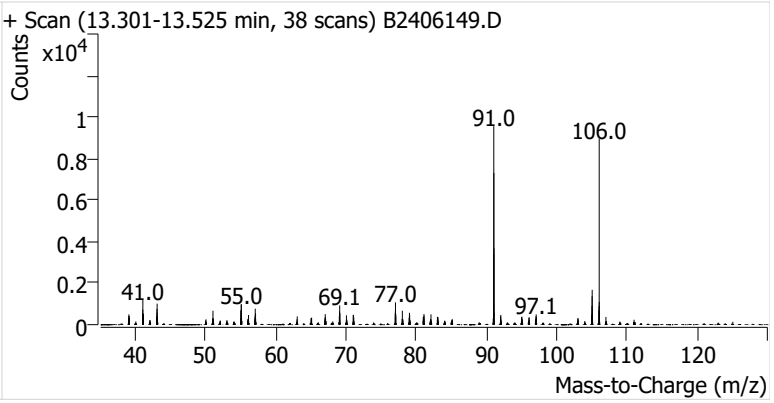
Ethylbenzene



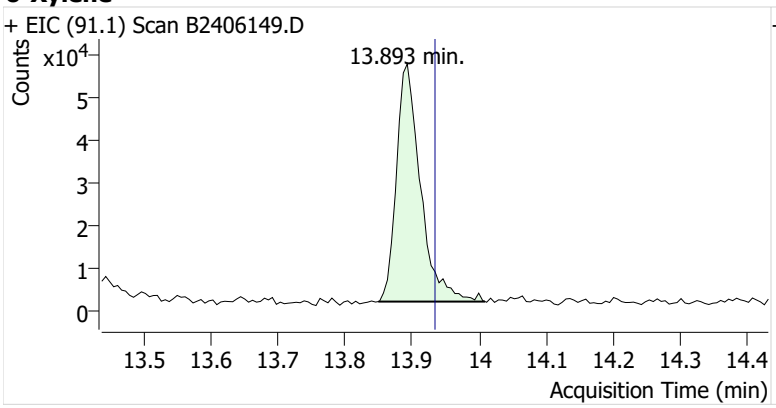


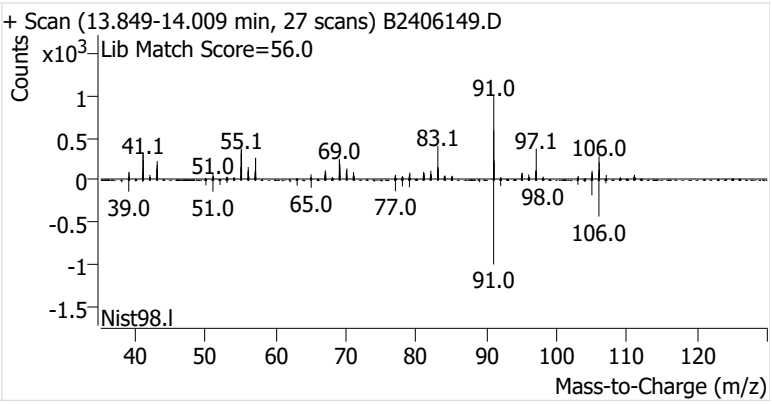
m-/p-Xylene





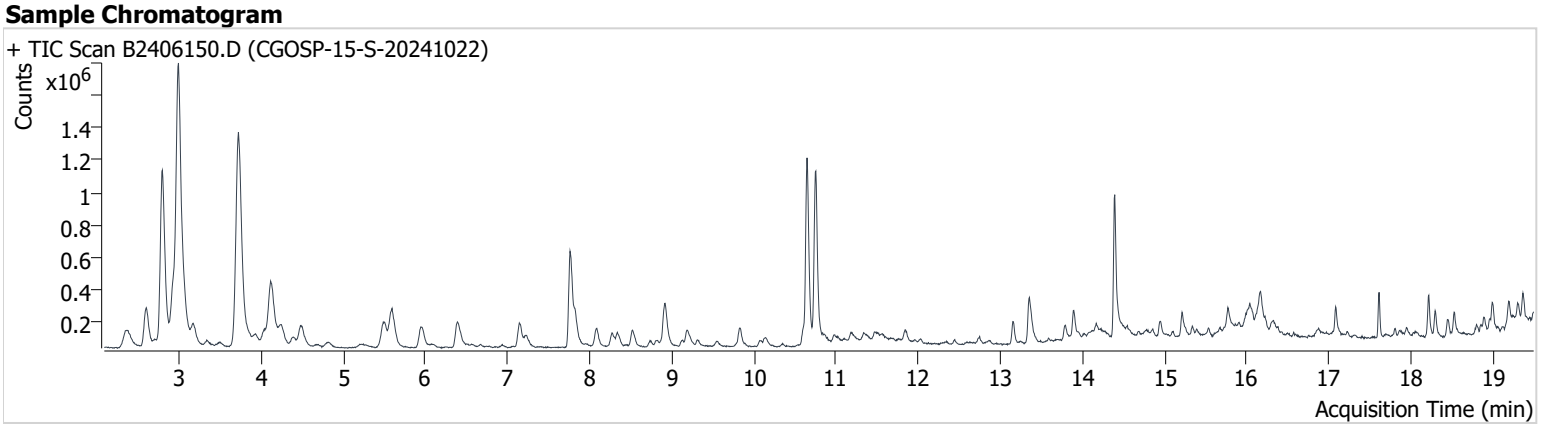
o-Xylene


+ EIC (91.1) Scan B2406149.D
Counts
x10^4
13.893 min.
Acquisition Time (min)


+ Scan (13.849-14.009 min, 27 scans) B2406149.D
Counts
x10^3
Lib Match Score=56.0
91.0
41.1
55.1
69.0
83.1
97.1
106.0
51.0
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
Mass-to-Charge (m/z)

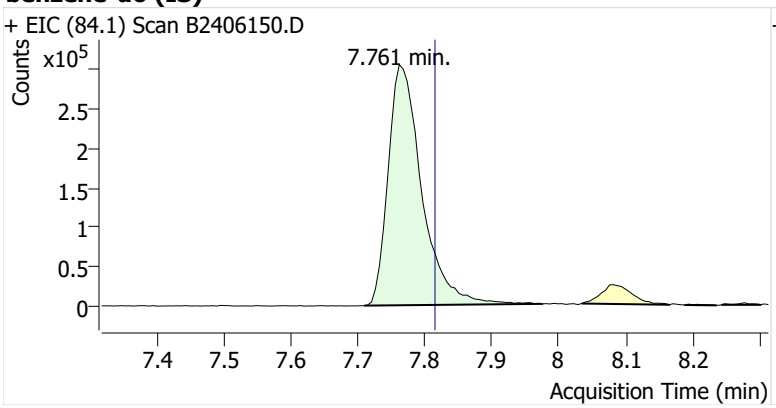
Name	CGOSP-15-S-20241022
Comment	C00652
Data File	B2406150.D
Acq. Date-Time	11/13/2024 9:45:07 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

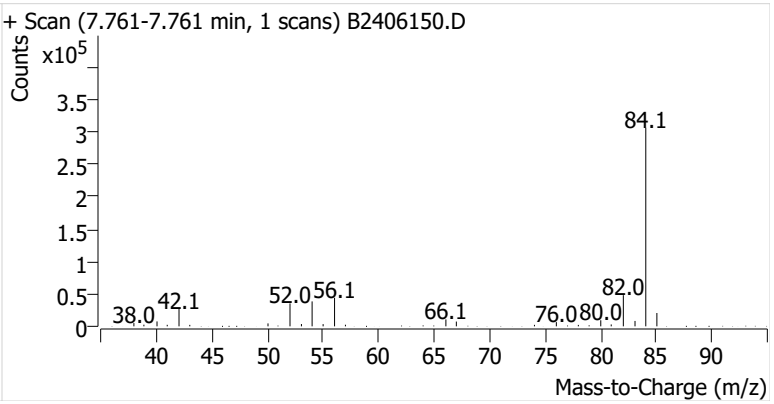
Sample Chromatogram



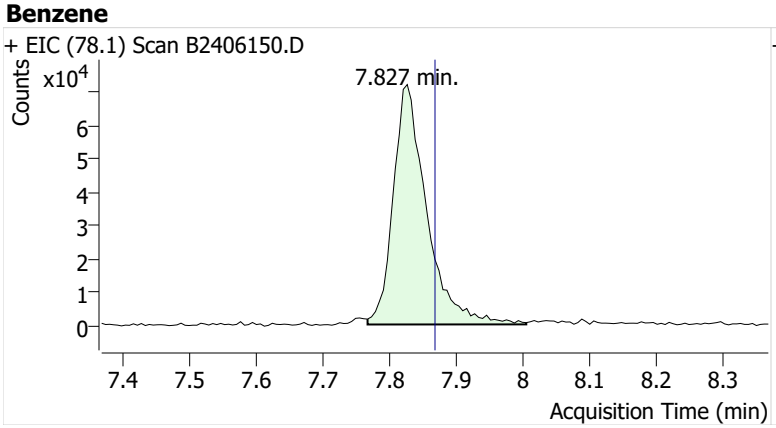
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.761	7.815	1,067,692	
Benzene	benzene-d6 (IS)	7.827	7.868	250,564	
Toluene-d8 (IS)		10.646	10.693	1,250,617	
Toluene	Toluene-d8 (IS)	10.753	10.794	1,195,423	
Ethylbenzene	Toluene-d8 (IS)	13.157	13.198	155,387	
m-/p-Xylene	Toluene-d8 (IS)	13.347	13.412	351,171	
o-Xylene	Toluene-d8 (IS)	13.887	13.934	152,303	

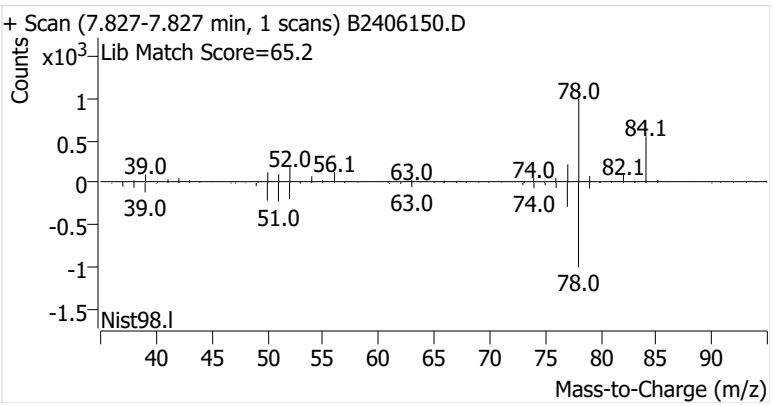
benzene-d6 (IS)



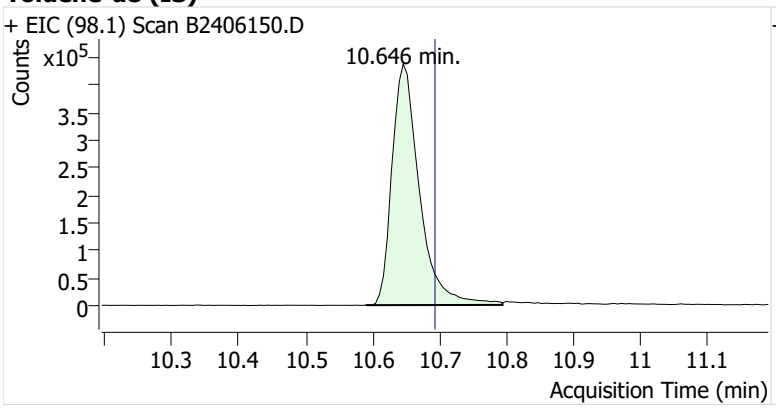


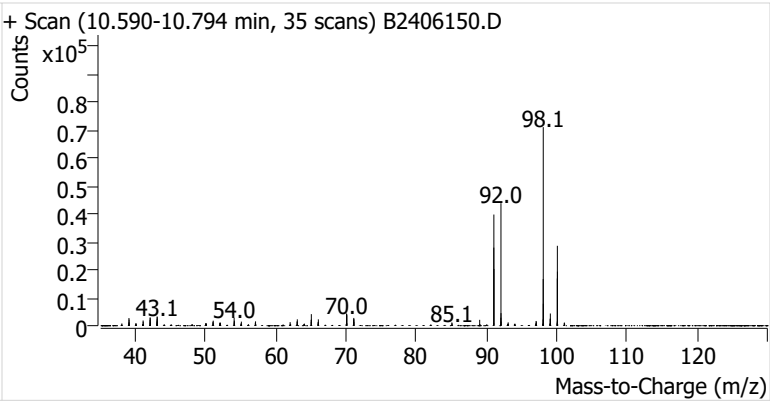
Benzene



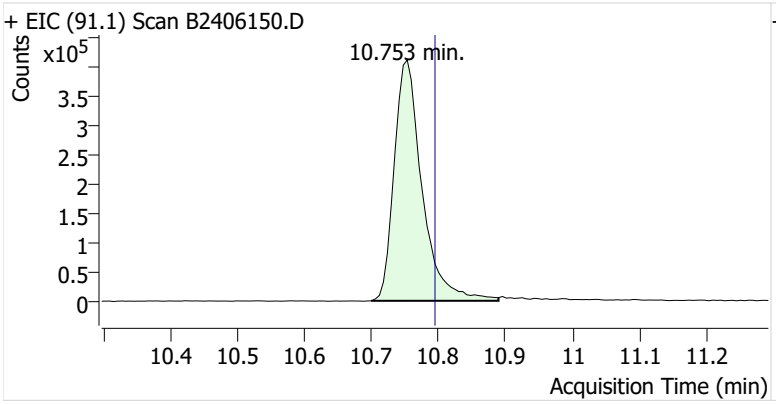


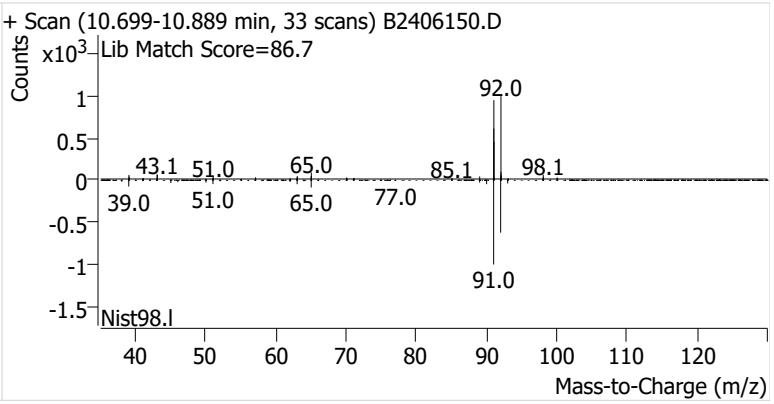
Toluene-d8 (IS)



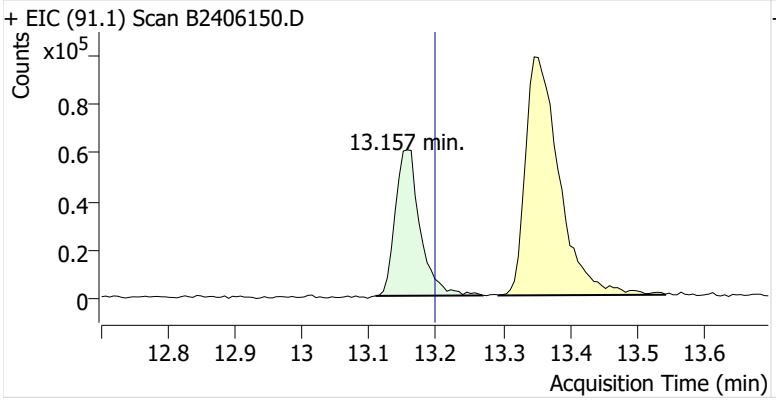


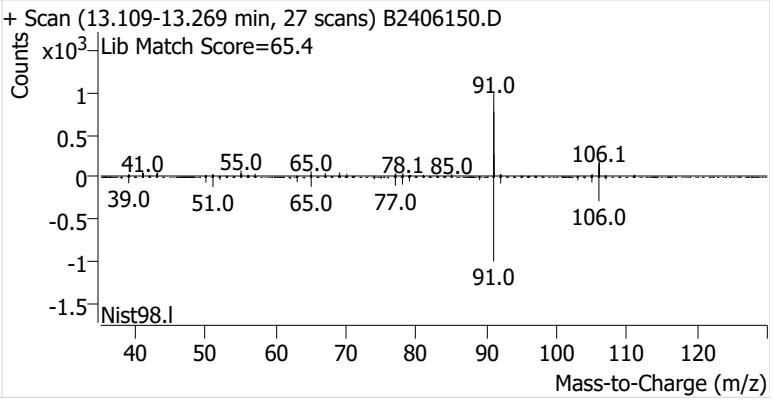
Toluene



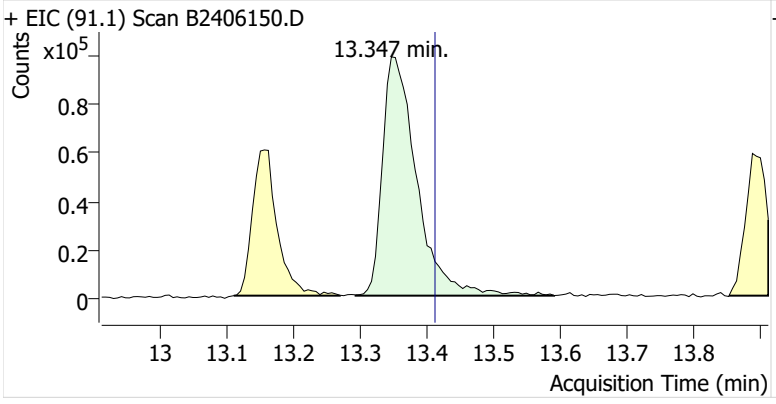


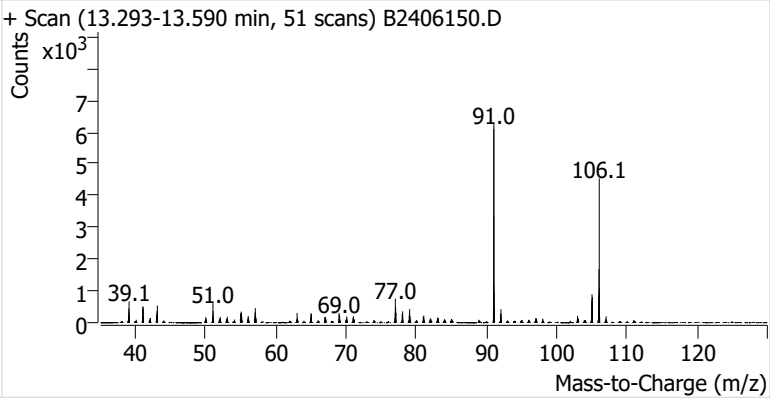
Ethylbenzene



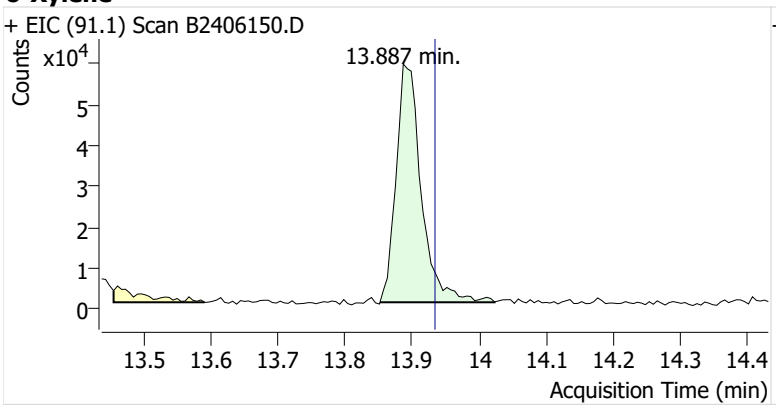


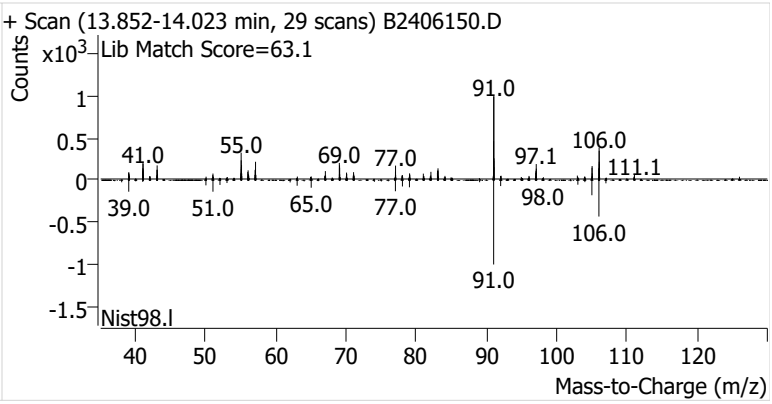
m-/p-Xylene





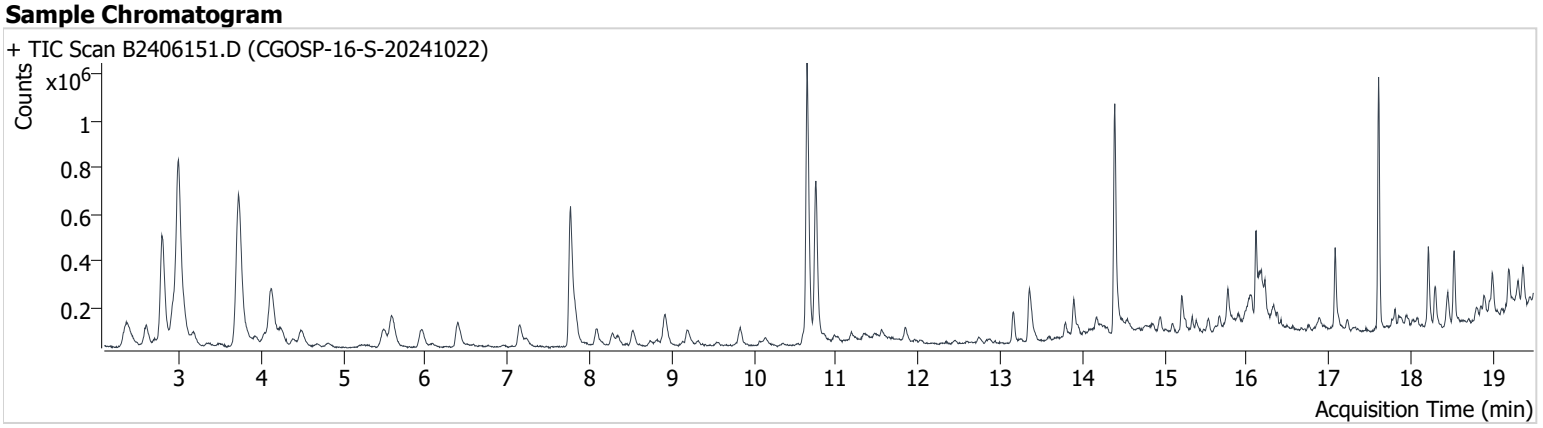
o-Xylene


+ EIC (91.1) Scan B2406150.D
Counts
x10^4
13.887 min.
Acquisition Time (min)


+ Scan (13.852-14.023 min, 29 scans) B2406150.D
Counts
x10^3
Lib Match Score=63.1
Nist98.l
Mass-to-Charge (m/z)

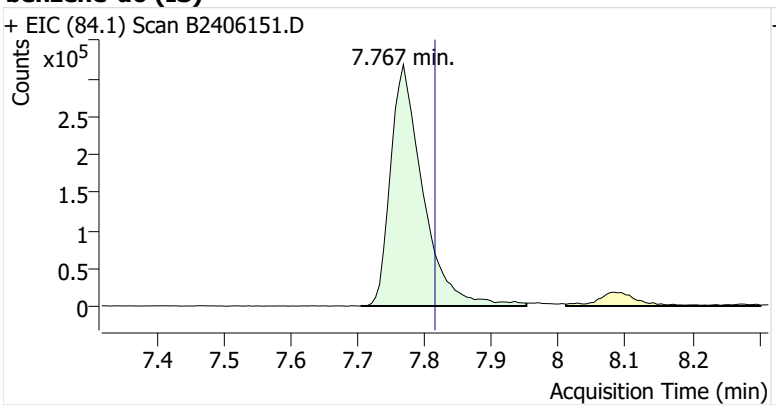
Name	CGOSP-16-S-20241022
Comment	C17176
Data File	B2406151.D
Acq. Date-Time	11/13/2024 10:22:26 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

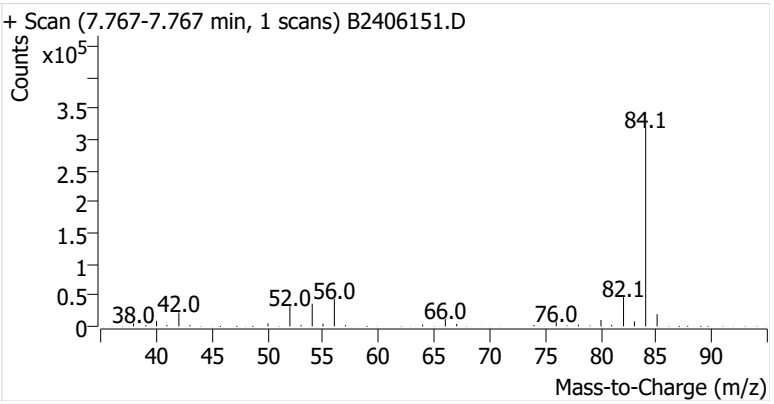
Sample Chromatogram



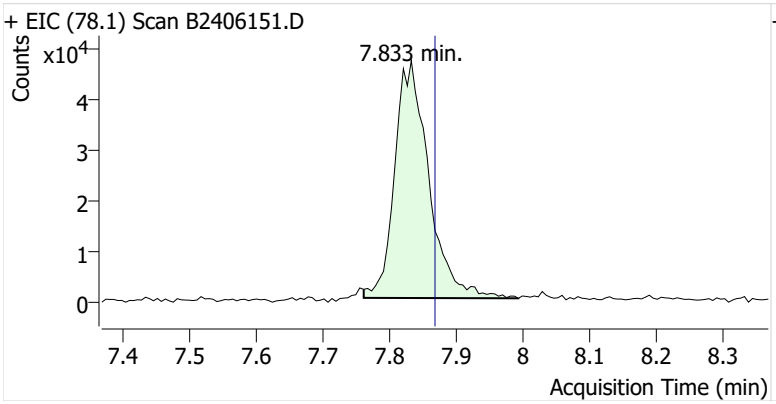
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.767	7.815	1,071,382	
Benzene	benzene-d6 (IS)	7.833	7.868	166,037	
Toluene-d8 (IS)		10.646	10.693	1,233,506	
Toluene	Toluene-d8 (IS)	10.753	10.794	763,539	
Ethylbenzene	Toluene-d8 (IS)	13.163	13.198	149,866	
m-/p-Xylene	Toluene-d8 (IS)	13.353	13.412	267,598	
o-Xylene	Toluene-d8 (IS)	13.893	13.934	125,683	

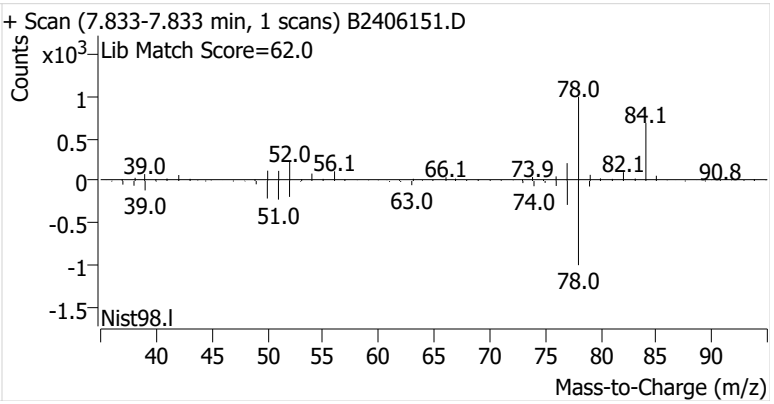
benzene-d6 (IS)



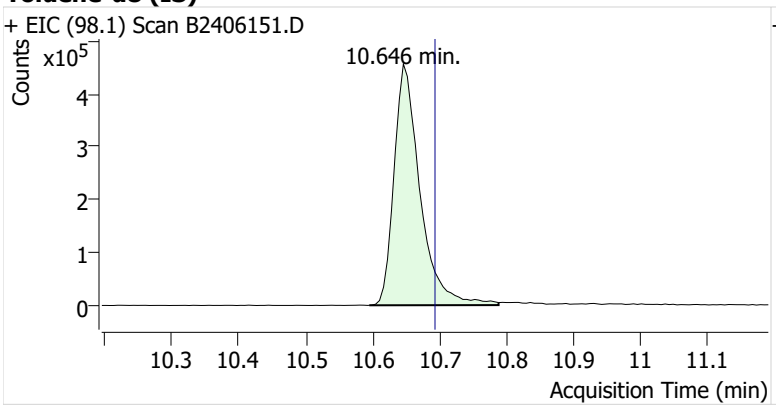


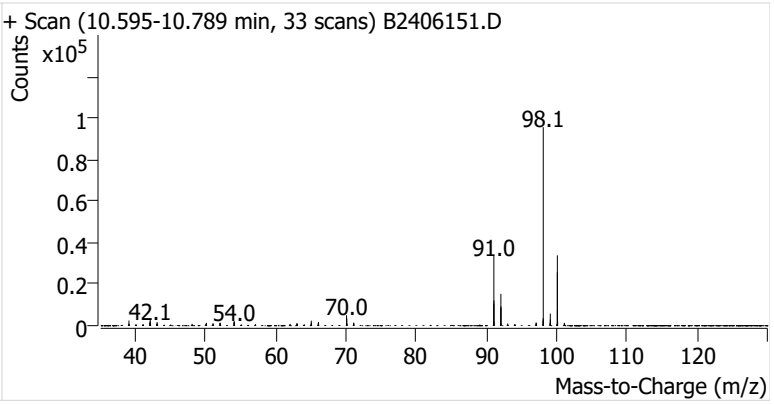
Benzene



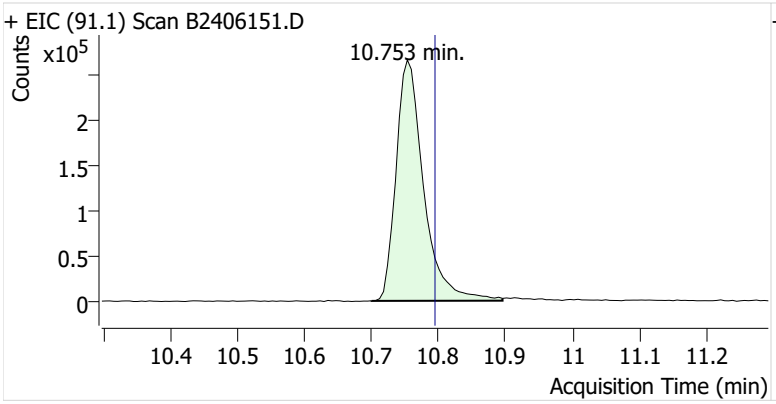


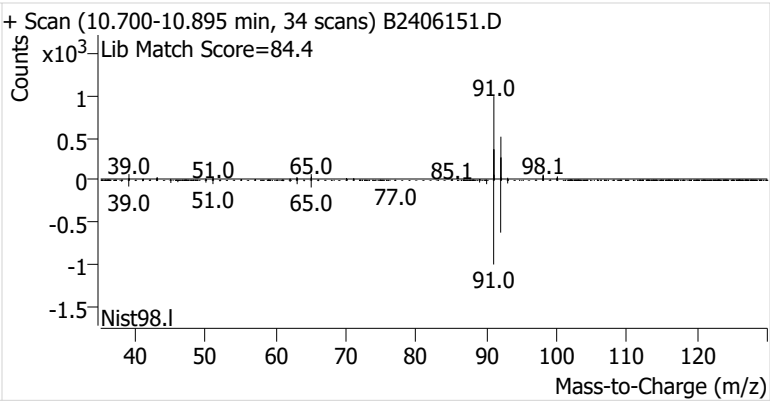
Toluene-d8 (IS)



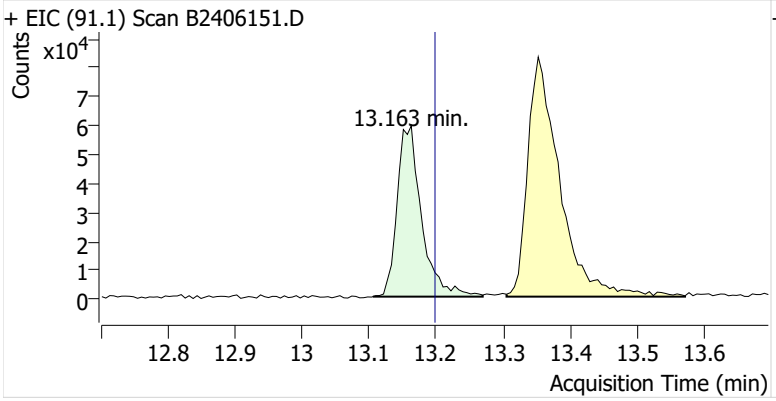


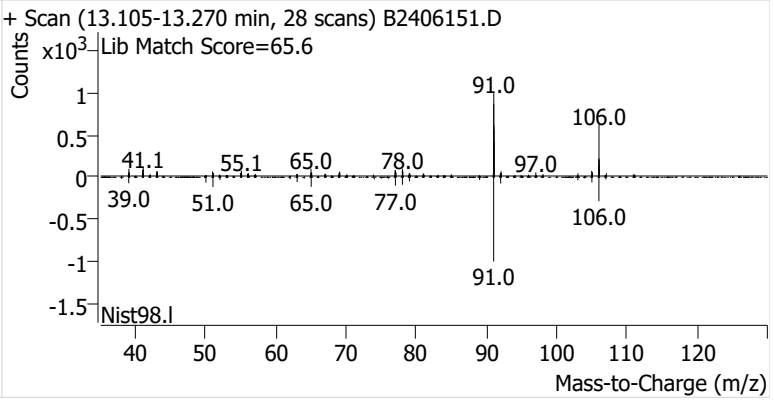
Toluene



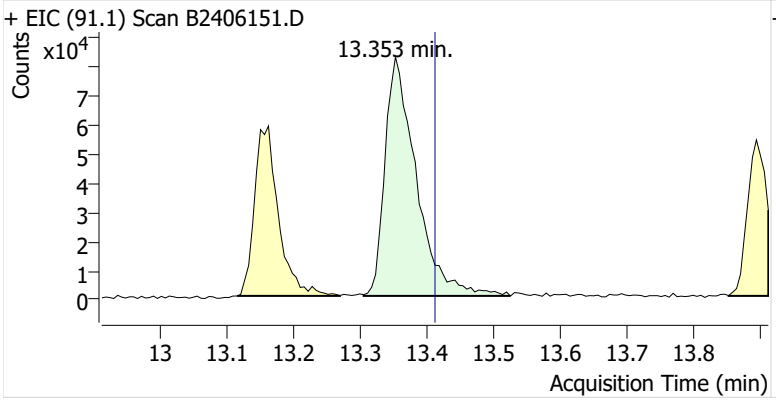


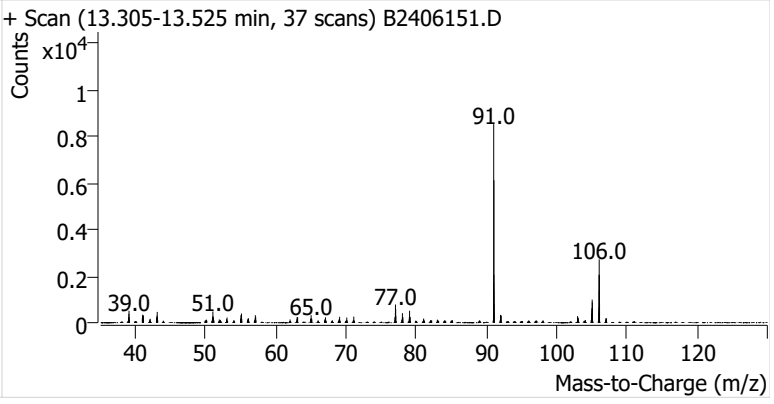
Ethylbenzene



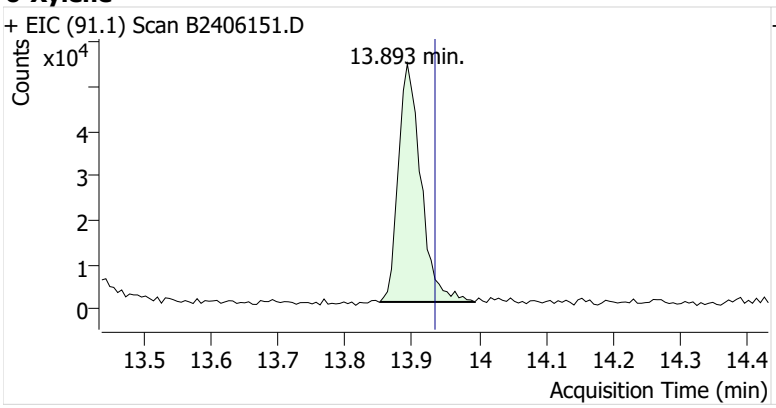


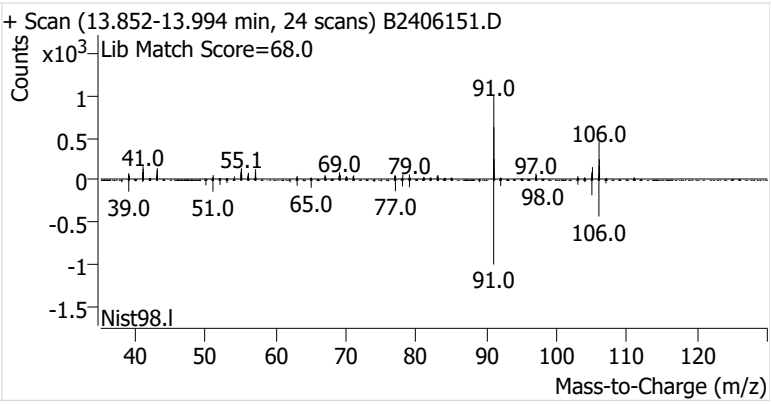
m-/p-Xylene





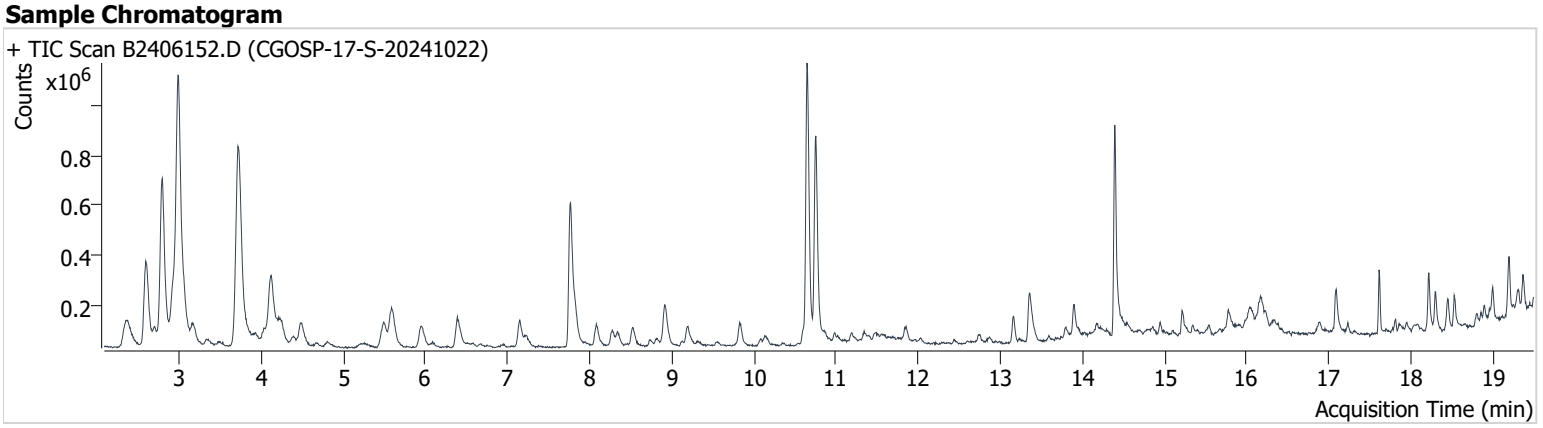
o-Xylene


+ EIC (91.1) Scan B2406151.D
Counts
x10^4
13.893 min.
4
3
2
1
0
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
14.4
Acquisition Time (min)


+ Scan (13.852-13.994 min, 24 scans) B2406151.D
Counts
x10^3
Lib Match Score=68.0
1
0.5
0
-0.5
-1
-1.5
91.0
106.0
41.0
55.1
69.0
79.0
97.0
98.0
39.0
51.0
65.0
77.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

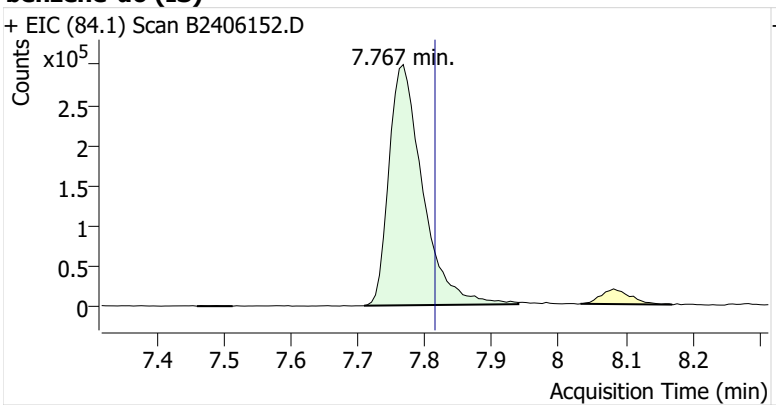
Name	CGOSP-17-S-20241022
Comment	B46216
Data File	B2406152.D
Acq. Date-Time	11/13/2024 10:59:46 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

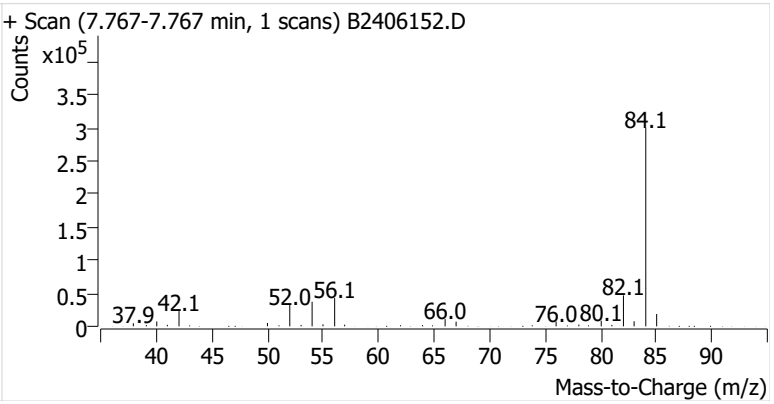
Sample Chromatogram



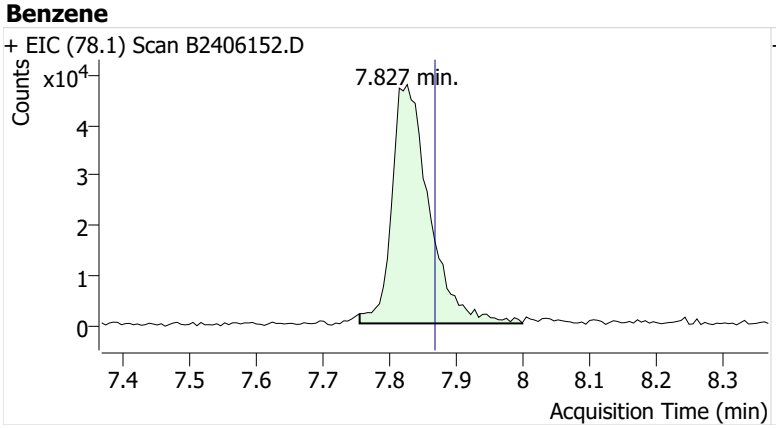
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.767	7.815	1,051,076	
Benzene	benzene-d6 (IS)	7.827	7.868	185,380	
Toluene-d8 (IS)		10.646	10.693	1,246,160	
Toluene	Toluene-d8 (IS)	10.753	10.794	930,349	
Ethylbenzene	Toluene-d8 (IS)	13.157	13.198	119,990	
m-/p-Xylene	Toluene-d8 (IS)	13.358	13.412	255,992	
o-Xylene	Toluene-d8 (IS)	13.893	13.934	112,229	

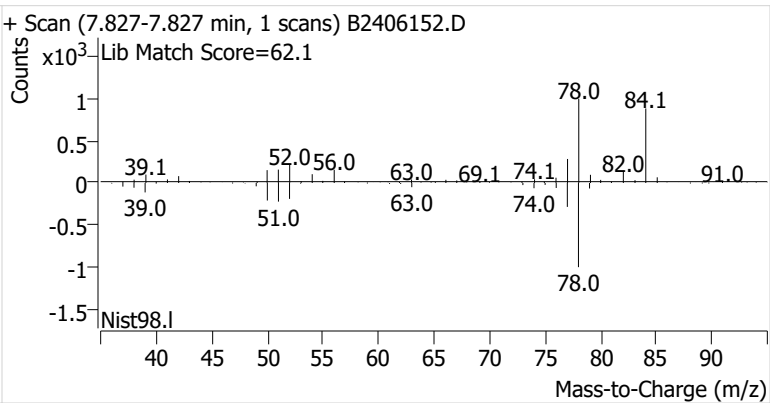
benzene-d6 (IS)



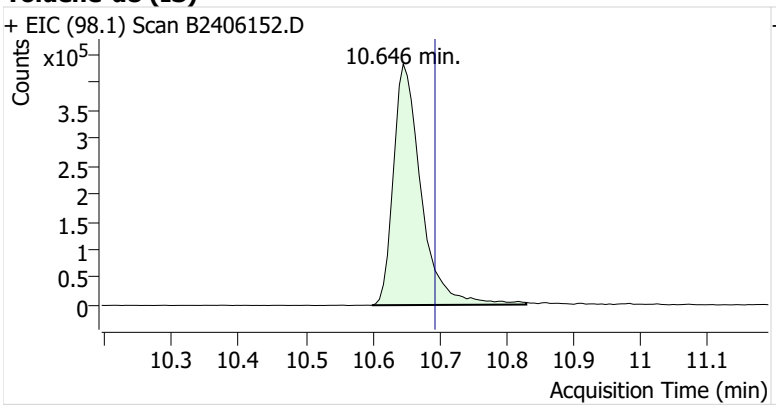


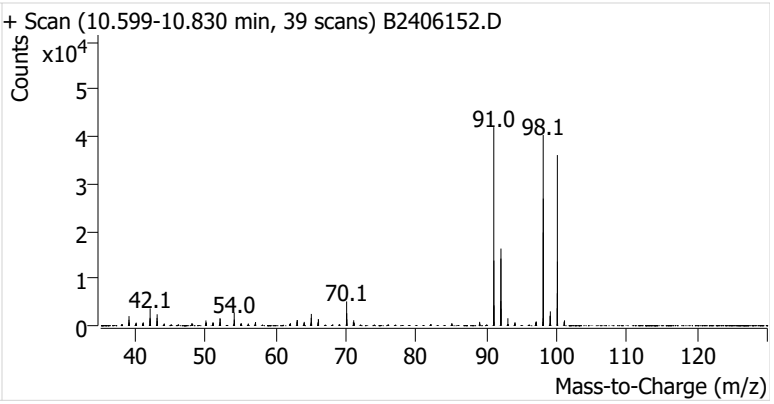
Benzene



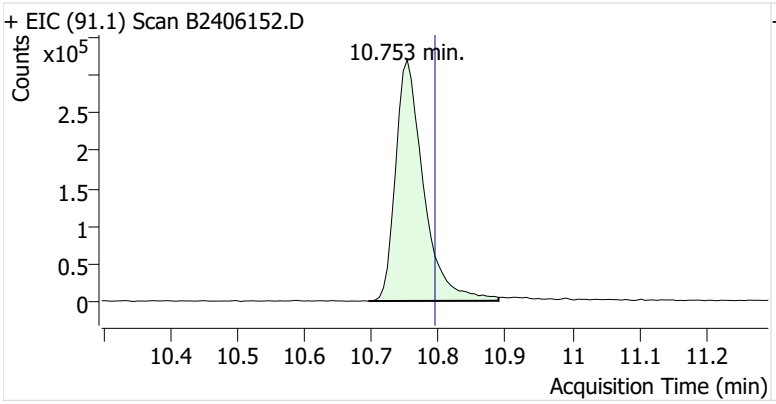


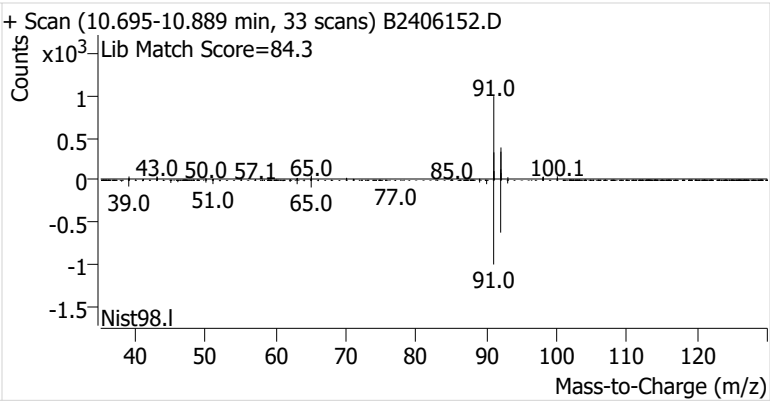
Toluene-d8 (IS)



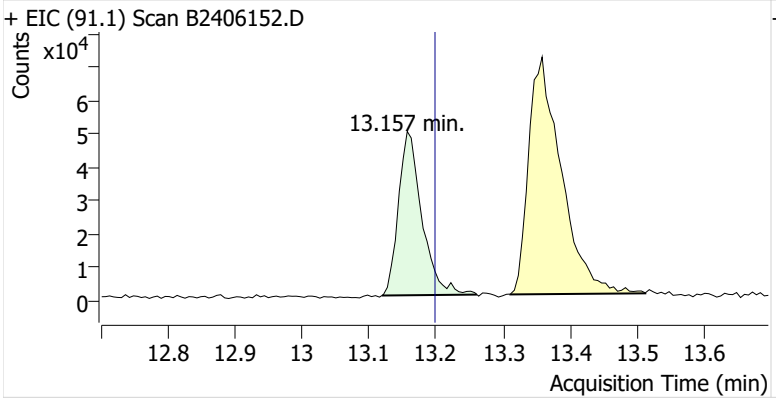


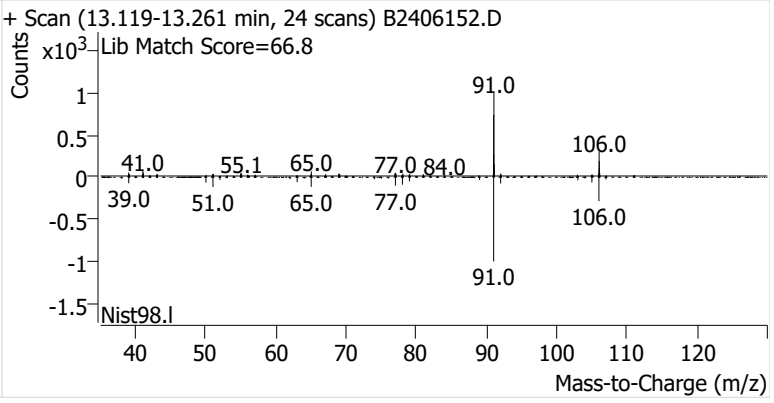
Toluene



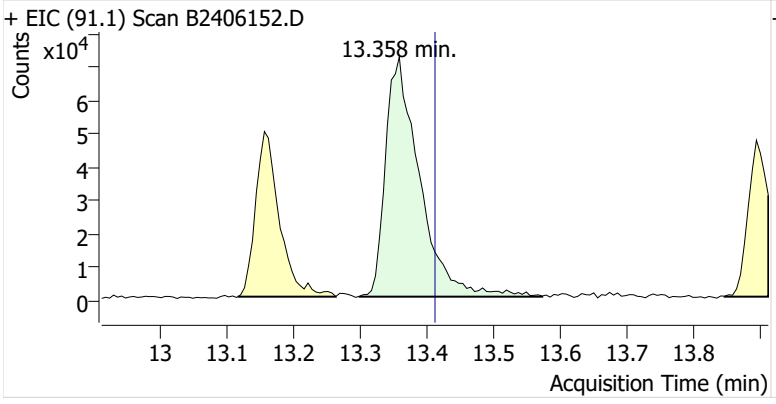


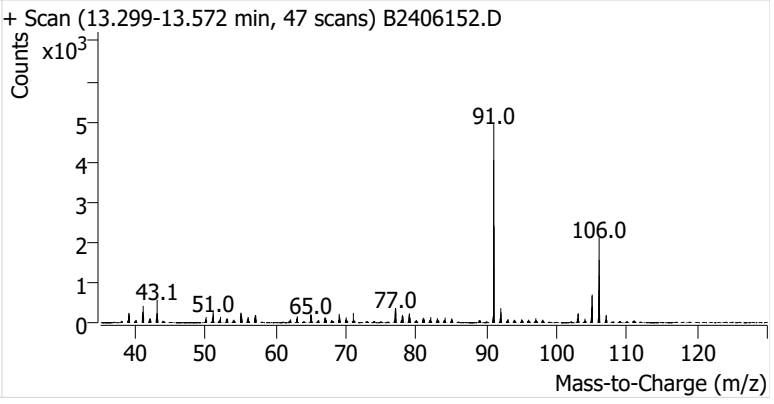
Ethylbenzene



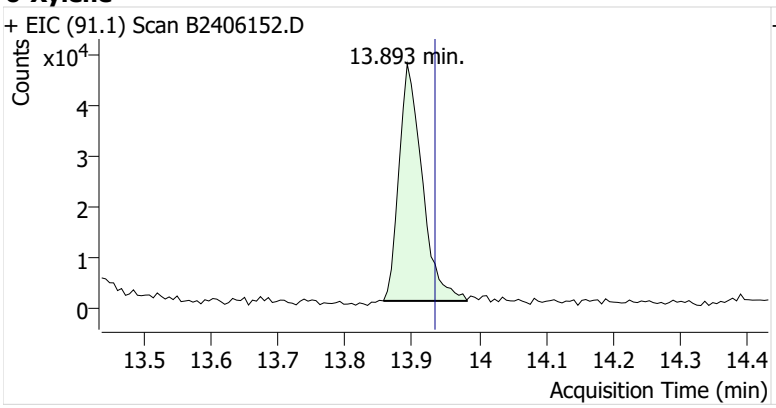


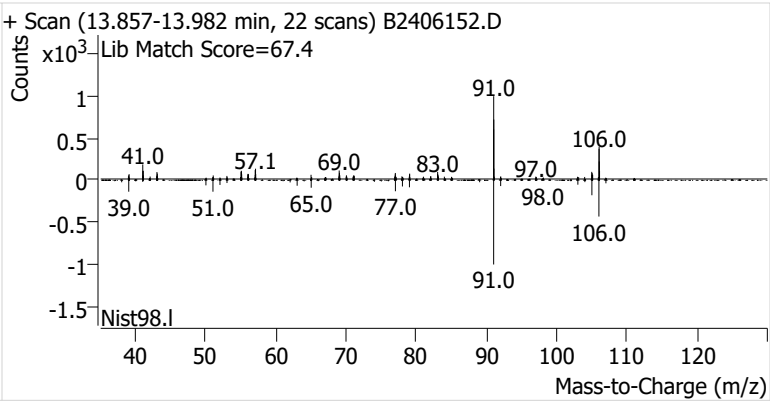
m-/p-Xylene





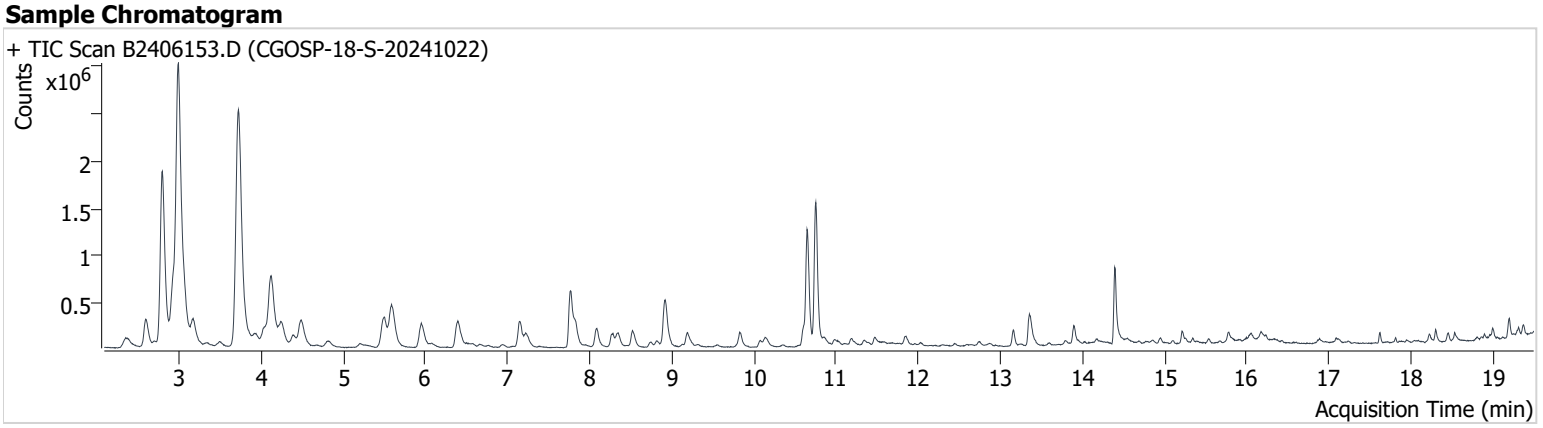
o-Xylene


+ EIC (91.1) Scan B2406152.D
Counts
x10^4
13.893 min.
4
3
2
1
0
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)


+ Scan (13.857-13.982 min, 22 scans) B2406152.D
Counts
x10^3
Lib Match Score=67.4
1
0.5
0
-0.5
-1
-1.5
91.0
106.0
41.0
57.1
69.0
83.0
97.0
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

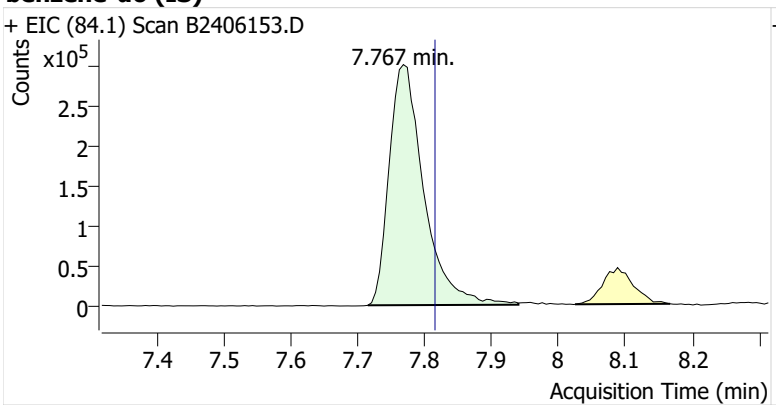
Name	CGOSP-18-S-20241022
Comment	B19741
Data File	B2406153.D
Acq. Date-Time	11/13/2024 11:37:04 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

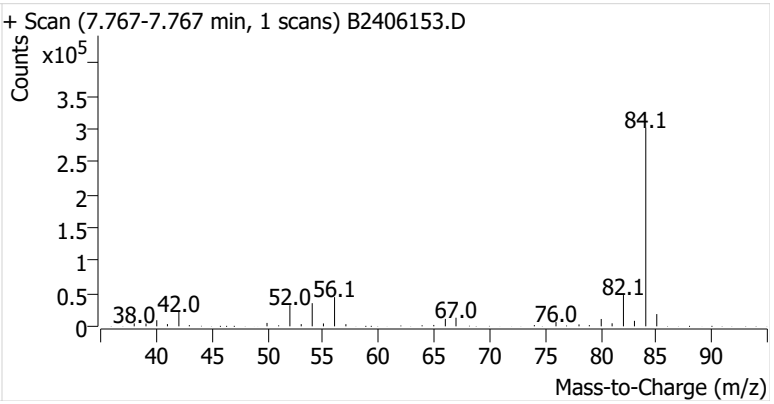
Sample Chromatogram



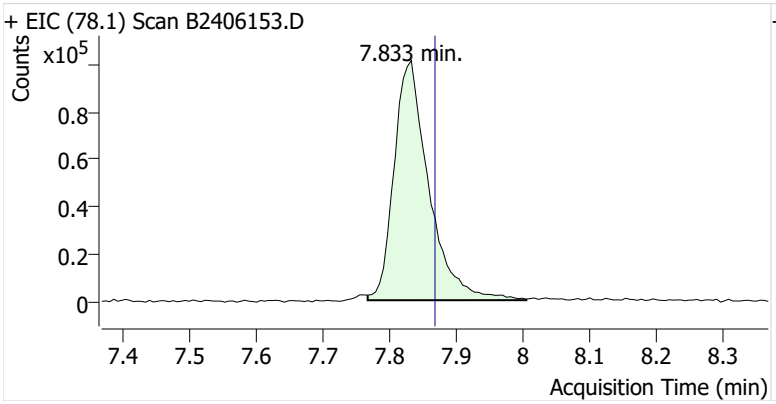
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.767	7.815	1,083,553	
Benzene	benzene-d6 (IS)	7.833	7.868	363,875	
Toluene-d8 (IS)		10.646	10.693	1,368,494	
Toluene	Toluene-d8 (IS)	10.753	10.794	1,642,937	
Ethylbenzene	Toluene-d8 (IS)	13.157	13.198	200,287	
m-/p-Xylene	Toluene-d8 (IS)	13.353	13.412	414,933	
o-Xylene	Toluene-d8 (IS)	13.893	13.934	184,129	

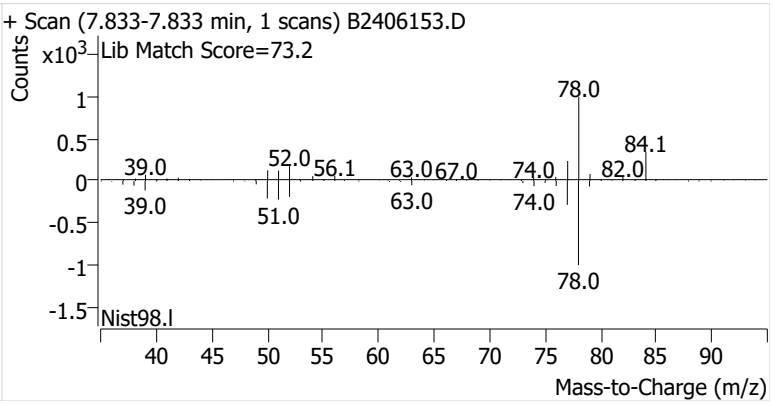
benzene-d6 (IS)



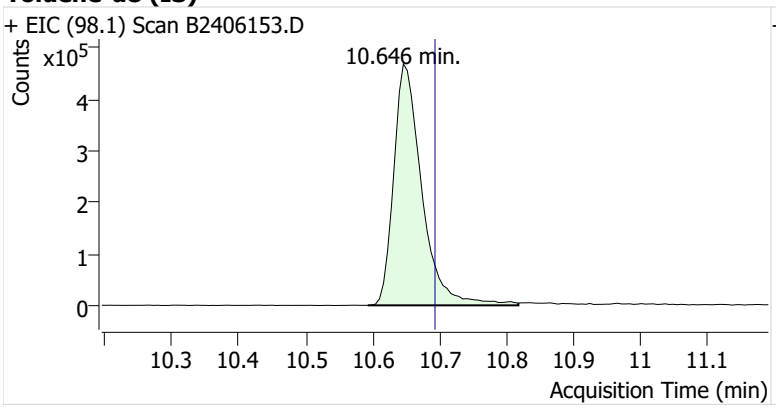


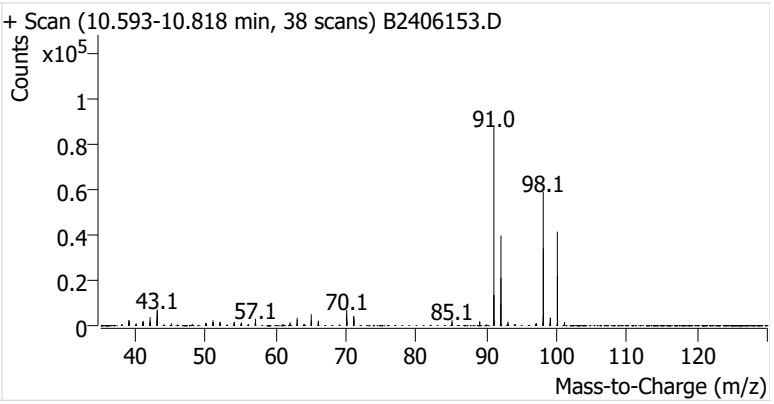
Benzene



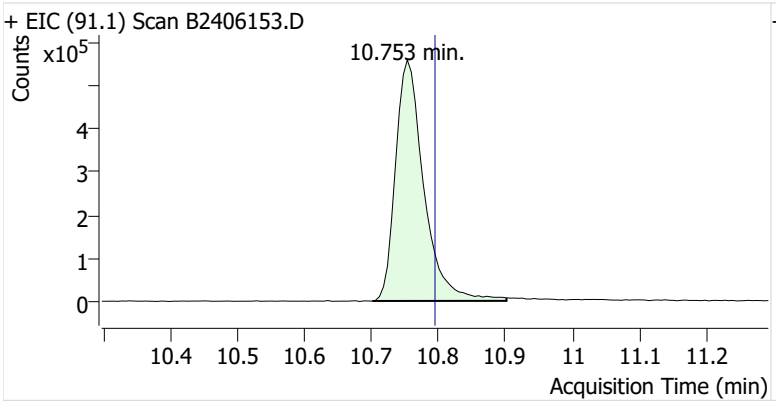


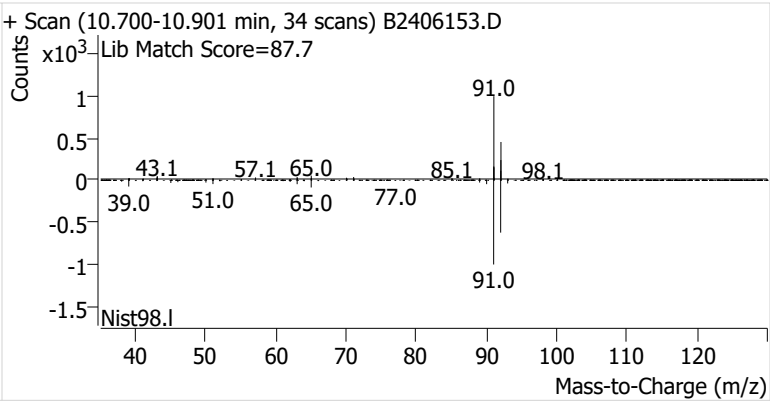
Toluene-d8 (IS)



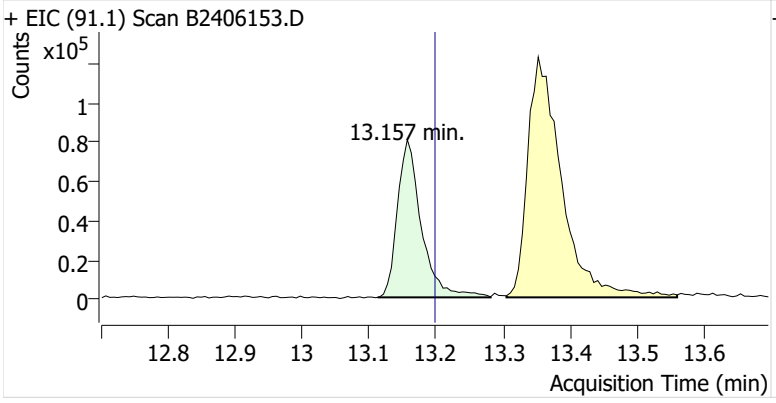


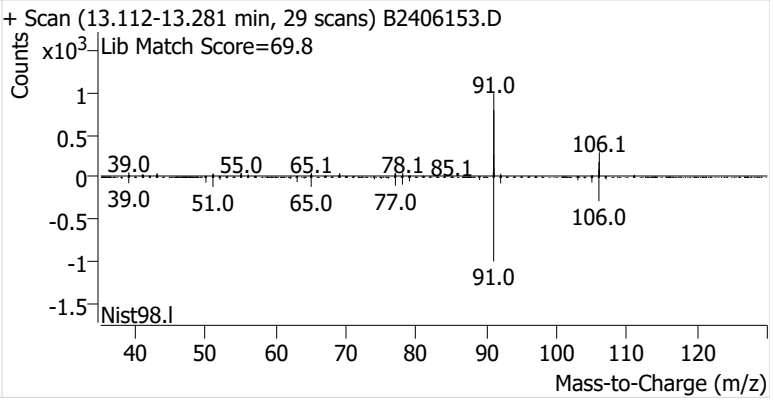
Toluene



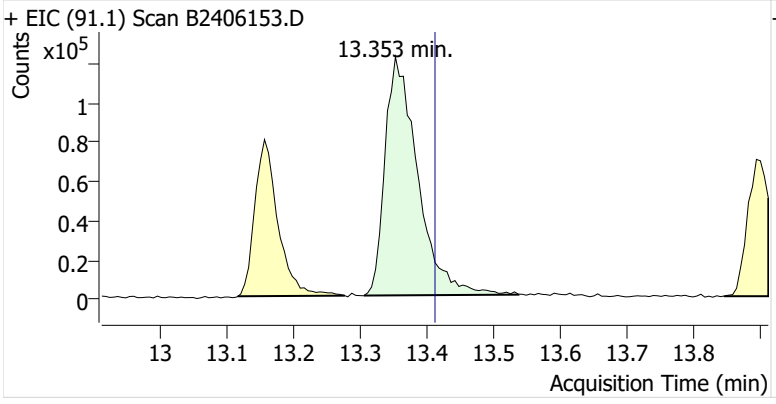


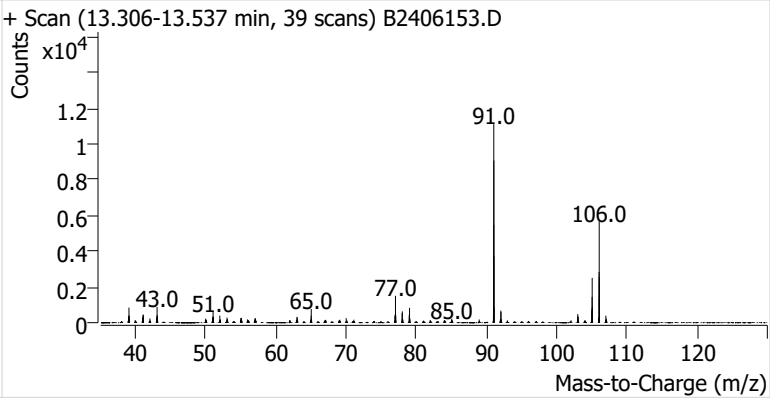
Ethylbenzene



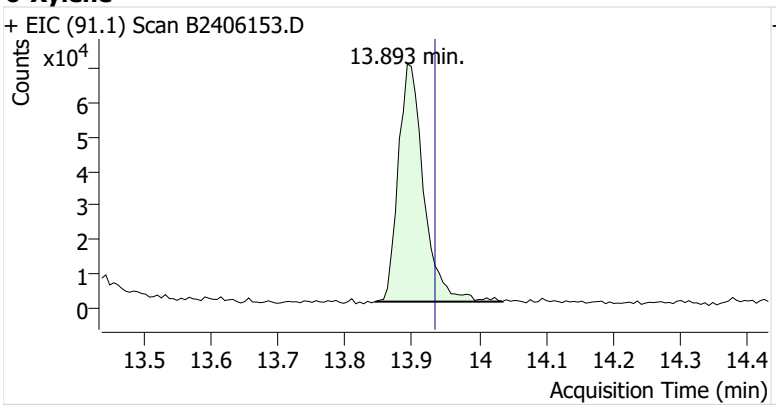


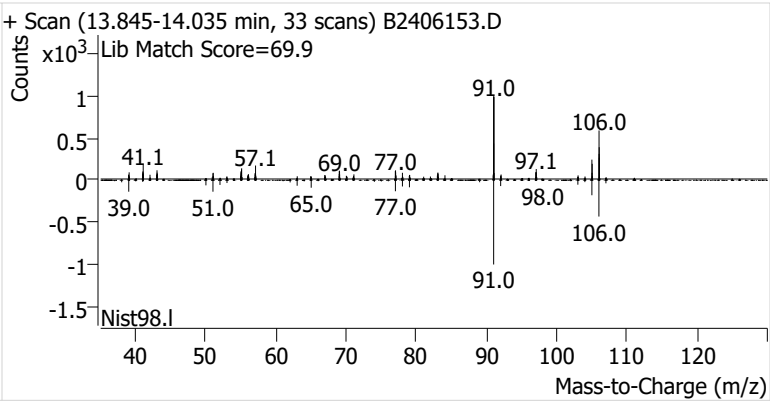
m-/p-Xylene





o-Xylene


+ EIC (91.1) Scan B2406153.D
Counts
x10^4
13.893 min.
Acquisition Time (min)


+ Scan (13.845-14.035 min, 33 scans) B2406153.D
Counts
x10^3
Lib Match Score=69.9
91.0
106.0
41.1
57.1
69.0
77.0
97.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
Mass-to-Charge (m/z)

Calibration Summary Reports

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP403-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Benzene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	0.858	0.987	0.858	-13%	22%		Pass	
2024FP403 Method Blank-1	Blank		0.987	0.858			-23%	Pass	ND
M325B CCV 5	Check	0.861	0.987	0.858	-13%		-18%	Pass	
M325B CCV 5	Check	0.905	0.987	0.858	-8.3%		-11%	Pass	

Ethylbenzene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	1.242	1.296	1.242	-4.2%	-1.3%		Pass	
2024FP403 Method Blank-1	Blank		1.296	1.242			-6.5%	Pass	ND
M325B CCV 5	Check	1.125	1.296	1.242	-13%		19%	Pass	
M325B CCV 5	Check	1.265	1.296	1.242	-2.4%		11%	Pass	

m-/p-Xylene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	0.907	0.897	0.907	1.2%	-1.3%		Pass	
2024FP403 Method Blank-1	Blank		0.897	0.907			-6.5%	Pass	ND
M325B CCV 5	Check	0.819	0.897	0.907	-8.7%		19%	Pass	
M325B CCV 5	Check	0.875	0.897	0.907	-2.4%		11%	Pass	

o-Xylene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	1.012	1.019	1.012	-0.63%	-1.3%		Pass	
2024FP403 Method Blank-1	Blank		1.019	1.012			-6.5%	Pass	ND
M325B CCV 5	Check	0.938	1.019	1.012	-7.9%		19%	Pass	
M325B CCV 5	Check	1.017	1.019	1.012	-0.18%		11%	Pass	

Toluene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	1.097	1.159	1.097	-5.3%	-1.3%		Pass	
2024FP403 Method Blank-1	Blank		1.159	1.097			-6.5%	Pass	ND
M325B CCV 5	Check	0.986	1.159	1.097	-15%		19%	Pass	
M325B CCV 5	Check	1.044	1.159	1.097	-9.9%		11%	Pass	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP403-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
B101524A_CC233829_BTEX_R1.quantmethod.xml	Benzene	1	B2405433.D	5.25	67834	92.1	1017991	1.169	18%
B101524A_CC233829_BTEX_R1.quantmethod.xml	Benzene	2	B2405434.D	10.49	119788	92.1	1002975	1.048	6.2%
B101524A_CC233829_BTEX_R1.quantmethod.xml	Benzene	3	B2405435.D	20.99	224542	92.1	1027453	0.959	-2.8%
B101524A_CC233829_BTEX_R1.quantmethod.xml	Benzene	4	B2405436.D	41.98	426479	92.1	1001212	0.934	-5.3%
B101524A_CC233829_BTEX_R1.quantmethod.xml	Benzene	5	B2405437.D	104.95	1090357	92.1	1033283	0.926	-6.2%
B101524A_CC233829_BTEX_R1.quantmethod.xml	Benzene	6	B2405438.D	209.90	2255330	92.1	1037385	0.954	-3.4%
B101524A_CC233829_BTEX_R1.quantmethod.xml	Benzene	7	B2405439.D	629.69	6516173	92.1	1038243	0.918	-7.0%
						Avg:	1022649	0.987	
						%RSD:	1.5%	9.3%	
B101524A_CC233829_BTEX_R1.quantmethod.xml	Ethylbenzene	1	B2405433.D	5.39	69407	108.6	1111290	1.258	-3.0%
B101524A_CC233829_BTEX_R1.quantmethod.xml	Ethylbenzene	2	B2405434.D	10.79	148861	108.6	1123086	1.335	3.0%
B101524A_CC233829_BTEX_R1.quantmethod.xml	Ethylbenzene	3	B2405435.D	21.57	285927	108.6	1114502	1.292	-0.35%
B101524A_CC233829_BTEX_R1.quantmethod.xml	Ethylbenzene	4	B2405436.D	43.14	557352	108.6	1103046	1.272	-1.9%
B101524A_CC233829_BTEX_R1.quantmethod.xml	Ethylbenzene	5	B2405437.D	107.86	1465224	108.6	1158242	1.274	-1.7%
B101524A_CC233829_BTEX_R1.quantmethod.xml	Ethylbenzene	6	B2405438.D	215.72	3132137	108.6	1166167	1.352	4.3%
B101524A_CC233829_BTEX_R1.quantmethod.xml	Ethylbenzene	7	B2405439.D	647.17	9229537	108.6	1199921	1.291	-0.41%
						Avg:	1139465	1.296	
						%RSD:	3.2%	2.7%	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP403-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
B101524A_CC233829_BTEX_R1.quantmethod.xml	m-/p-Xylene	1	B2405433.D	5.43	35940	108.6	1111290	0.647	-28%
B101524A_CC233829_BTEX_R1.quantmethod.xml	m-/p-Xylene	2	B2405434.D	10.86	100559	108.6	1123086	0.896	-0.11%
B101524A_CC233829_BTEX_R1.quantmethod.xml	m-/p-Xylene	3	B2405435.D	21.71	229053	108.6	1114502	1.028	15%
B101524A_CC233829_BTEX_R1.quantmethod.xml	m-/p-Xylene	4	B2405436.D	43.43	383206	108.6	1103046	0.869	-3.1%
B101524A_CC233829_BTEX_R1.quantmethod.xml	m-/p-Xylene	5	B2405437.D	108.57	1008714	108.6	1158242	0.871	-2.8%
B101524A_CC233829_BTEX_R1.quantmethod.xml	m-/p-Xylene	6	B2405438.D	217.14	2286065	108.6	1166167	0.981	9.3%
B101524A_CC233829_BTEX_R1.quantmethod.xml	m-/p-Xylene	7	B2405439.D	651.41	7093172	108.6	1199921	0.986	9.9%
						Avg:	1139465	0.897	
						%RSD:	3.2%	14%	
B101524A_CC233829_BTEX_R1.quantmethod.xml	o-Xylene	1	B2405433.D	5.46	44125	108.6	1111290	0.790	-22%
B101524A_CC233829_BTEX_R1.quantmethod.xml	o-Xylene	2	B2405434.D	10.92	115078	108.6	1123086	1.020	0.093%
B101524A_CC233829_BTEX_R1.quantmethod.xml	o-Xylene	3	B2405435.D	21.83	243713	108.6	1114502	1.088	6.8%
B101524A_CC233829_BTEX_R1.quantmethod.xml	o-Xylene	4	B2405436.D	43.67	464539	108.6	1103046	1.048	2.8%
B101524A_CC233829_BTEX_R1.quantmethod.xml	o-Xylene	5	B2405437.D	109.16	1171419	108.6	1158242	1.006	-1.2%
B101524A_CC233829_BTEX_R1.quantmethod.xml	o-Xylene	6	B2405438.D	218.33	2563847	108.6	1166167	1.094	7.4%
B101524A_CC233829_BTEX_R1.quantmethod.xml	o-Xylene	7	B2405439.D	654.98	7849647	108.6	1199921	1.085	6.5%
						Avg:	1139465	1.019	
						%RSD:	3.2%	10%	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP403-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
B101524A_CC233829_BTEX_R1.quantmethod.xml	Toluene	1	B2405433.D	5.45	72719	108.6	1111290	1.304	13%
B101524A_CC233829_BTEX_R1.quantmethod.xml	Toluene	2	B2405434.D	10.90	135719	108.6	1123086	1.204	3.9%
B101524A_CC233829_BTEX_R1.quantmethod.xml	Toluene	3	B2405435.D	21.80	262769	108.6	1114502	1.175	1.3%
B101524A_CC233829_BTEX_R1.quantmethod.xml	Toluene	4	B2405436.D	43.60	514657	108.6	1103046	1.162	0.28%
B101524A_CC233829_BTEX_R1.quantmethod.xml	Toluene	5	B2405437.D	108.99	1244129	108.6	1158242	1.071	-7.7%
B101524A_CC233829_BTEX_R1.quantmethod.xml	Toluene	6	B2405438.D	217.98	2631364	108.6	1166167	1.124	-3.0%
B101524A_CC233829_BTEX_R1.quantmethod.xml	Toluene	7	B2405439.D	653.93	7759895	108.6	1199921	1.074	-7.3%
						Avg:	1139465	1.159	
						%RSD:	3.2%	7.0%	
B101524A_CC233829_BTEX_R1.quantmethod.xml	Benzene	ICV	B2405440.D	64.23	635831	92.1	1007443	0.905	-8.3%
B101524A_CC233829_BTEX_R1.quantmethod.xml	Ethylbenzene	ICV	B2405440.D	86.24	1135339	108.6	1205392	1.186	-8.5%
B101524A_CC233829_BTEX_R1.quantmethod.xml	m-/p-Xylene	ICV	B2405440.D	89.77	920735	108.6	1205392	0.924	3.1%
B101524A_CC233829_BTEX_R1.quantmethod.xml	o-Xylene	ICV	B2405440.D	88.36	934049	108.6	1205392	0.953	-6.5%
B101524A_CC233829_BTEX_R1.quantmethod.xml	Toluene	ICV	B2405440.D	76.61	843616	108.6	1205392	0.992	-14%

This Is The Last Page Of This Report.

CITGO – South Portland Terminal

102 Mechanic St.
South Portland, ME 04106

Sampling Event 14

PROJ-031602

Analytical Report (2024FP404)

EPA Method 325B

Benzene, Toluene, Ethylbenzene, m-/p-Xylenes, o-Xylene

Report Submitted By:
Montrose Air Quality Services LLC – Pine Brook, NJ

Enthalpy Analytical, LLC
Phone: (919) 850 - 4392 / Fax: (919) 850 - 9012 / www.enthalpy.com
800-1 Capitola Drive, Durham, NC 27713

I certify that to the best of my knowledge all analytical data presented in this report:

- Have been checked for completeness
- Are accurate, error-free, and legible
- Have been conducted in accordance with approved protocol, and that all deviations and analytical problems are summarized in the appropriate narrative(s)

This analytical report was prepared in Portable Document Format (.PDF). This report shall not be reproduced except in full without approval of the laboratory. This will provide assurance that parts of a report are not taken out of context.



QA Review by Conor Toomey, QA Associate I

Report Issued: 12/05/2024

ENTHALPY ANALYTICAL

Summary of Results

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP404-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Summary

Sample Code	Tube ID	Benzene (ug/m³)	Flag	Ethylbenzene (ug/m³)	Flag	m-/p-Xylenes (ug/m³)	Flag	o-Xylene (ug/m³)	Flag	Toluene (ug/m³)	Flag
CGOSP-1-S-20241105	B32853	1.79		2.31		8.33		2.94		27.4	
CGOSP-2-S-20241105	B47083	1.49		0.815		2.72		0.964		26.7	
CGOSP-3-S-20241105	B27291	2.41		2.79		8.23		3.04		31.2	
CGOSP-3-D-20241105	C40662	2.43		2.35		7.86		2.74		35.2	
CGOSP-3-B-20241105	B49489		ND		ND		ND		ND	0.955	
CGOSP-4-S-20241105	B43057	2.58		2.71		8.97		3.25		26.6	
CGOSP-5-S-20241105	B52822	2.74		1.87		6.34		2.11		27.9	
CGOSP-6-S-20241105	B31388	2.47		3.04		9.96		3.53		28.7	
CGOSP-7-S-20241105	B20281	2.57		2.62		8.48		3.16		30.8	
CGOSP-8-S-20241105	C00593	3.09		1.95		6.35		2.20		28.4	
CGOSP-9-S-20241105	C53701	3.59		2.27		7.71		2.60		31.3	
CGOSP-9-D-20241105	B46187	3.46		2.12		6.95		2.40		24.5	
CGOSP-9-B-20241105	B38537		ND		ND		ND		ND	0.300	J
CGOSP-10-S-20241105	B53234	2.77		2.61		8.38		3.06		28.3	
CGOSP-11-S-20241105	B37703	1.64		1.22		3.91		1.43		21.9	
CGOSP-12-S-20241105	C01486	1.52		2.21		7.48		2.67		24.5	
CGOSP-13-S-20241105	B50658	1.74		2.05		6.55		2.26		22.4	
CGOSP-14-S-20241105	B52725	2.09		2.41		7.69		2.78		34.5	
CGOSP-15-S-20241105	C02000	1.62		2.15		6.87		2.43		28.2	
CGOSP-16-S-20241105	C01384	1.38		2.05		6.69		2.44		23.8	
CGOSP-17-S-20241105	B40267	1.60		1.98		6.74		2.44		23.7	
CGOSP-18-S-20241105	C40150	2.00		2.13		7.49		2.79		27.5	

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit
ND: The analyte was not present above the Method Detection Limit

Results

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP404-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Benzene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
CGOSP-1-S-20241105	B32853	1.79	0.562	23.5	46.3	0.651	20,115	0.191	0.401	0.0598	0.126	
CGOSP-2-S-20241105	B47083	1.49	0.466	19.5	46.3	0.651	20,115	0.191	0.401	0.0598	0.126	
CGOSP-3-S-20241105	B27291	2.41	0.755	31.6	46.3	0.651	20,115	0.191	0.401	0.0598	0.126	
CGOSP-3-D-20241105	C40662	2.43	0.760	31.7	46.3	0.651	20,115	0.191	0.401	0.0598	0.126	
CGOSP-3-B-20241105	B49489				46.3	0.651	20,115	0.191	0.401	0.0598	0.126	ND
CGOSP-4-S-20241105	B43057	2.58	0.809	33.8	46.3	0.651	20,115	0.191	0.401	0.0598	0.126	
CGOSP-5-S-20241105	B52822	2.74	0.858	35.9	46.3	0.651	20,115	0.191	0.401	0.0598	0.126	
CGOSP-6-S-20241105	B31388	2.47	0.772	32.3	46.3	0.651	20,115	0.191	0.401	0.0598	0.126	
CGOSP-7-S-20241105	B20281	2.57	0.804	33.6	46.3	0.651	20,115	0.191	0.401	0.0598	0.126	
CGOSP-8-S-20241105	C00593	3.09	0.968	40.4	46.3	0.651	20,115	0.191	0.401	0.0598	0.126	
CGOSP-9-S-20241105	C53701	3.59	1.12	46.9	46.3	0.651	20,115	0.191	0.401	0.0598	0.126	
CGOSP-9-D-20241105	B46187	3.46	1.08	45.3	46.3	0.651	20,115	0.191	0.401	0.0598	0.126	
CGOSP-9-B-20241105	B38537				46.3	0.651	20,115	0.191	0.401	0.0598	0.126	ND
CGOSP-10-S-20241105	B53234	2.77	0.867	36.2	46.3	0.651	20,120	0.191	0.401	0.0598	0.126	
CGOSP-11-S-20241105	B37703	1.64	0.513	21.4	46.3	0.651	20,120	0.191	0.401	0.0598	0.126	
CGOSP-12-S-20241105	C01486	1.52	0.476	19.9	46.3	0.651	20,120	0.191	0.401	0.0598	0.126	
CGOSP-13-S-20241105	B50658	1.74	0.545	22.8	46.3	0.651	20,120	0.191	0.401	0.0598	0.126	
CGOSP-14-S-20241105	B52725	2.09	0.656	27.4	46.3	0.651	20,120	0.191	0.401	0.0598	0.126	
CGOSP-15-S-20241105	C02000	1.62	0.507	21.2	46.3	0.651	20,120	0.191	0.401	0.0598	0.126	
CGOSP-16-S-20241105	C01384	1.38	0.431	18.0	46.3	0.651	20,120	0.191	0.401	0.0598	0.126	
CGOSP-17-S-20241105	B40267	1.60	0.501	20.9	46.3	0.651	20,120	0.191	0.401	0.0598	0.126	
CGOSP-18-S-20241105	C40150	2.00	0.625	26.1	46.3	0.651	20,120	0.191	0.401	0.0598	0.126	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP404-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Ethylbenzene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
CGOSP-1-S-20241105	B32853	2.31	0.533	20.8	46.3	0.447	20,115	0.278	0.600	0.0641	0.138	
CGOSP-2-S-20241105	B47083	0.815	0.188	7.32	46.3	0.447	20,115	0.278	0.600	0.0641	0.138	
CGOSP-3-S-20241105	B27291	2.79	0.644	25.1	46.3	0.447	20,115	0.278	0.600	0.0641	0.138	
CGOSP-3-D-20241105	C40662	2.35	0.541	21.1	46.3	0.447	20,115	0.278	0.600	0.0641	0.138	
CGOSP-3-B-20241105	B49489				46.3	0.447	20,115	0.278	0.600	0.0641	0.138	ND
CGOSP-4-S-20241105	B43057	2.71	0.626	24.4	46.3	0.447	20,115	0.278	0.600	0.0641	0.138	
CGOSP-5-S-20241105	B52822	1.87	0.431	16.8	46.3	0.447	20,115	0.278	0.600	0.0641	0.138	
CGOSP-6-S-20241105	B31388	3.04	0.701	27.3	46.3	0.447	20,115	0.278	0.600	0.0641	0.138	
CGOSP-7-S-20241105	B20281	2.62	0.603	23.5	46.3	0.447	20,115	0.278	0.600	0.0641	0.138	
CGOSP-8-S-20241105	C00593	1.95	0.450	17.5	46.3	0.447	20,115	0.278	0.600	0.0641	0.138	
CGOSP-9-S-20241105	C53701	2.27	0.524	20.4	46.3	0.447	20,115	0.278	0.600	0.0641	0.138	
CGOSP-9-D-20241105	B46187	2.12	0.489	19.1	46.3	0.447	20,115	0.278	0.600	0.0641	0.138	
CGOSP-9-B-20241105	B38537				46.3	0.447	20,115	0.278	0.600	0.0641	0.138	ND
CGOSP-10-S-20241105	B53234	2.61	0.601	23.4	46.3	0.447	20,120	0.278	0.600	0.0641	0.138	
CGOSP-11-S-20241105	B37703	1.22	0.280	10.9	46.3	0.447	20,120	0.278	0.600	0.0641	0.138	
CGOSP-12-S-20241105	C01486	2.21	0.509	19.9	46.3	0.447	20,120	0.278	0.600	0.0641	0.138	
CGOSP-13-S-20241105	B50658	2.05	0.473	18.4	46.3	0.447	20,120	0.278	0.600	0.0641	0.138	
CGOSP-14-S-20241105	B52725	2.41	0.554	21.6	46.3	0.447	20,120	0.278	0.600	0.0641	0.138	
CGOSP-15-S-20241105	C02000	2.15	0.496	19.3	46.3	0.447	20,120	0.278	0.600	0.0641	0.138	
CGOSP-16-S-20241105	C01384	2.05	0.473	18.4	46.3	0.447	20,120	0.278	0.600	0.0641	0.138	
CGOSP-17-S-20241105	B40267	1.98	0.457	17.8	46.3	0.447	20,120	0.278	0.600	0.0641	0.138	
CGOSP-18-S-20241105	C40150	2.13	0.491	19.1	46.3	0.447	20,120	0.278	0.600	0.0641	0.138	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP404-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

m-/p-Xylenes

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
CGOSP-1-S-20241105	B32853	8.33	1.92	74.9	46.3	0.447	20,115	0.278	0.604	0.0641	0.139	
CGOSP-2-S-20241105	B47083	2.72	0.628	24.5	46.3	0.447	20,115	0.278	0.604	0.0641	0.139	
CGOSP-3-S-20241105	B27291	8.23	1.90	73.9	46.3	0.447	20,115	0.278	0.604	0.0641	0.139	
CGOSP-3-D-20241105	C40662	7.86	1.81	70.6	46.3	0.447	20,115	0.278	0.604	0.0641	0.139	
CGOSP-3-B-20241105	B49489				46.3	0.447	20,115	0.278	0.604	0.0641	0.139	ND
CGOSP-4-S-20241105	B43057	8.97	2.07	80.6	46.3	0.447	20,115	0.278	0.604	0.0641	0.139	
CGOSP-5-S-20241105	B52822	6.34	1.46	57.0	46.3	0.447	20,115	0.278	0.604	0.0641	0.139	
CGOSP-6-S-20241105	B31388	9.96	2.29	89.4	46.3	0.447	20,115	0.278	0.604	0.0641	0.139	
CGOSP-7-S-20241105	B20281	8.48	1.95	76.2	46.3	0.447	20,115	0.278	0.604	0.0641	0.139	
CGOSP-8-S-20241105	C00593	6.35	1.46	57.0	46.3	0.447	20,115	0.278	0.604	0.0641	0.139	
CGOSP-9-S-20241105	C53701	7.71	1.78	69.2	46.3	0.447	20,115	0.278	0.604	0.0641	0.139	
CGOSP-9-D-20241105	B46187	6.95	1.60	62.4	46.3	0.447	20,115	0.278	0.604	0.0641	0.139	
CGOSP-9-B-20241105	B38537				46.3	0.447	20,115	0.278	0.604	0.0641	0.139	ND
CGOSP-10-S-20241105	B53234	8.38	1.93	75.3	46.3	0.447	20,120	0.278	0.604	0.0641	0.139	
CGOSP-11-S-20241105	B37703	3.91	0.901	35.1	46.3	0.447	20,120	0.278	0.604	0.0641	0.139	
CGOSP-12-S-20241105	C01486	7.48	1.72	67.2	46.3	0.447	20,120	0.278	0.604	0.0641	0.139	
CGOSP-13-S-20241105	B50658	6.55	1.51	58.9	46.3	0.447	20,120	0.278	0.604	0.0641	0.139	
CGOSP-14-S-20241105	B52725	7.69	1.77	69.1	46.3	0.447	20,120	0.278	0.604	0.0641	0.139	
CGOSP-15-S-20241105	C02000	6.87	1.58	61.8	46.3	0.447	20,120	0.278	0.604	0.0641	0.139	
CGOSP-16-S-20241105	C01384	6.69	1.54	60.1	46.3	0.447	20,120	0.278	0.604	0.0641	0.139	
CGOSP-17-S-20241105	B40267	6.74	1.55	60.6	46.3	0.447	20,120	0.278	0.604	0.0641	0.139	
CGOSP-18-S-20241105	C40150	7.49	1.73	67.3	46.3	0.447	20,120	0.278	0.604	0.0641	0.139	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP404-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

o-Xylene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
CGOSP-1-S-20241105	B32853	2.94	0.678	26.4	46.3	0.447	20,115	0.278	0.608	0.0641	0.140	
CGOSP-2-S-20241105	B47083	0.964	0.222	8.66	46.3	0.447	20,115	0.278	0.608	0.0641	0.140	
CGOSP-3-S-20241105	B27291	3.04	0.700	27.3	46.3	0.447	20,115	0.278	0.608	0.0641	0.140	
CGOSP-3-D-20241105	C40662	2.74	0.632	24.7	46.3	0.447	20,115	0.278	0.608	0.0641	0.140	
CGOSP-3-B-20241105	B49489				46.3	0.447	20,115	0.278	0.608	0.0641	0.140	ND
CGOSP-4-S-20241105	B43057	3.25	0.750	29.2	46.3	0.447	20,115	0.278	0.608	0.0641	0.140	
CGOSP-5-S-20241105	B52822	2.11	0.487	19.0	46.3	0.447	20,115	0.278	0.608	0.0641	0.140	
CGOSP-6-S-20241105	B31388	3.53	0.813	31.7	46.3	0.447	20,115	0.278	0.608	0.0641	0.140	
CGOSP-7-S-20241105	B20281	3.16	0.728	28.4	46.3	0.447	20,115	0.278	0.608	0.0641	0.140	
CGOSP-8-S-20241105	C00593	2.20	0.508	19.8	46.3	0.447	20,115	0.278	0.608	0.0641	0.140	
CGOSP-9-S-20241105	C53701	2.60	0.599	23.4	46.3	0.447	20,115	0.278	0.608	0.0641	0.140	
CGOSP-9-D-20241105	B46187	2.40	0.554	21.6	46.3	0.447	20,115	0.278	0.608	0.0641	0.140	
CGOSP-9-B-20241105	B38537				46.3	0.447	20,115	0.278	0.608	0.0641	0.140	ND
CGOSP-10-S-20241105	B53234	3.06	0.705	27.5	46.3	0.447	20,120	0.278	0.607	0.0641	0.140	
CGOSP-11-S-20241105	B37703	1.43	0.329	12.8	46.3	0.447	20,120	0.278	0.607	0.0641	0.140	
CGOSP-12-S-20241105	C01486	2.67	0.616	24.0	46.3	0.447	20,120	0.278	0.607	0.0641	0.140	
CGOSP-13-S-20241105	B50658	2.26	0.522	20.3	46.3	0.447	20,120	0.278	0.607	0.0641	0.140	
CGOSP-14-S-20241105	B52725	2.78	0.641	25.0	46.3	0.447	20,120	0.278	0.607	0.0641	0.140	
CGOSP-15-S-20241105	C02000	2.43	0.560	21.8	46.3	0.447	20,120	0.278	0.607	0.0641	0.140	
CGOSP-16-S-20241105	C01384	2.44	0.562	21.9	46.3	0.447	20,120	0.278	0.607	0.0641	0.140	
CGOSP-17-S-20241105	B40267	2.44	0.563	22.0	46.3	0.447	20,120	0.278	0.607	0.0641	0.140	
CGOSP-18-S-20241105	C40150	2.79	0.644	25.1	46.3	0.447	20,120	0.278	0.607	0.0641	0.140	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP404-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Toluene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
CGOSP-1-S-20241105	B32853	27.4	7.28	279	46.3	0.505	20,115	0.246	0.537	0.0654	0.142	
CGOSP-2-S-20241105	B47083	26.7	7.09	271	46.3	0.505	20,115	0.246	0.537	0.0654	0.142	
CGOSP-3-S-20241105	B27291	31.2	8.29	317	46.3	0.505	20,115	0.246	0.537	0.0654	0.142	
CGOSP-3-D-20241105	C40662	35.2	9.34	357	46.3	0.505	20,115	0.246	0.537	0.0654	0.142	
CGOSP-3-B-20241105	B49489	0.955	0.254	9.70	46.3	0.505	20,115	0.246	0.537	0.0654	0.142	
CGOSP-4-S-20241105	B43057	26.6	7.07	271	46.3	0.505	20,115	0.246	0.537	0.0654	0.142	
CGOSP-5-S-20241105	B52822	27.9	7.42	284	46.3	0.505	20,115	0.246	0.537	0.0654	0.142	
CGOSP-6-S-20241105	B31388	28.7	7.63	292	46.3	0.505	20,115	0.246	0.537	0.0654	0.142	
CGOSP-7-S-20241105	B20281	30.8	8.18	313	46.3	0.505	20,115	0.246	0.537	0.0654	0.142	
CGOSP-8-S-20241105	C00593	28.4	7.55	289	46.3	0.505	20,115	0.246	0.537	0.0654	0.142	
CGOSP-9-S-20241105	C53701	31.3	8.32	318	46.3	0.505	20,115	0.246	0.537	0.0654	0.142	
CGOSP-9-D-20241105	B46187	24.5	6.50	249	46.3	0.505	20,115	0.246	0.537	0.0654	0.142	
CGOSP-9-B-20241105	B38537	0.300	0.0798	3.05	46.3	0.505	20,115	0.246	0.537	0.0654	0.142	J
CGOSP-10-S-20241105	B53234	28.3	7.52	288	46.3	0.505	20,120	0.246	0.536	0.0653	0.142	
CGOSP-11-S-20241105	B37703	21.9	5.82	223	46.3	0.505	20,120	0.246	0.536	0.0653	0.142	
CGOSP-12-S-20241105	C01486	24.5	6.50	249	46.3	0.505	20,120	0.246	0.536	0.0653	0.142	
CGOSP-13-S-20241105	B50658	22.4	5.95	227	46.3	0.505	20,120	0.246	0.536	0.0653	0.142	
CGOSP-14-S-20241105	B52725	34.5	9.17	351	46.3	0.505	20,120	0.246	0.536	0.0653	0.142	
CGOSP-15-S-20241105	C02000	28.2	7.50	287	46.3	0.505	20,120	0.246	0.536	0.0653	0.142	
CGOSP-16-S-20241105	C01384	23.8	6.32	242	46.3	0.505	20,120	0.246	0.536	0.0653	0.142	
CGOSP-17-S-20241105	B40267	23.7	6.30	241	46.3	0.505	20,120	0.246	0.536	0.0653	0.142	
CGOSP-18-S-20241105	C40150	27.5	7.29	279	46.3	0.505	20,120	0.246	0.536	0.0653	0.142	

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit

ND: The analyte was not present above the Method Detection Limit

QC

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP404-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

QC Samples

Field Sample Type	Sample Code	Benzene		Ethylbenzene		m-/p-Xylenes		o-Xylene		Toluene	
Blanks (ug/m³)	CGOSP-3-B-20241105	ND	Pass	ND	Pass	ND	Pass	ND	Pass	0.955	Fail
	CGOSP-9-B-20241105	ND	Pass	ND	Pass	ND	Pass	ND	Pass	0.300	Pass
Duplicates (difference)	CGOSP-3-D-20241105	0.56%	Pass	17%	Pass	4.6%	Pass	10%	Pass	12%	Pass
	CGOSP-9-D-20241105	3.7%	Pass	6.9%	Pass	10%	Pass	7.9%	Pass	25%	Pass

Narrative Summary

Enthalpy Analytical Narrative Summary

Company	Montrose Air Quality Services, LLC - New Jersey
Site	CITGO – South Portland Terminal
Project	PROJ-031602
Report #	2024FP404

Custody	Enthalpy Analytical, LLC received the sample tubes on 11/22/24. The samples were received in good condition at a temperature of 15.1 ºC. Prior to, during, and after analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, LLC.
Analysis	The samples were analyzed for Benzene, Toluene, Ethylbenzene, o-Xylene, and m-/p-Xylenes using EPA Method 325B – Volatile Organic Compounds from Fugitive and Area Sources by Thermal Desorption and GC/MS. A copy of the acquisition method (M325B-TD.M) is not included in this report but may be available upon request.
Calibration	All BFB tune criteria have been met for this analysis. The initial calibration met 30% RSD criteria. The initial calibration verification met 30% recovery criteria. The continuing calibration verifications met 30% difference criteria. The initial and continuing calibration raw data are not included in this report but are available upon request.
Quality Control Notes	All quality control criteria required by the method and/or the laboratory SOP have been met unless noted otherwise below. Toluene was detected in field blank CGOSP-3-B-20241105 (tube ID B49489), however it was not at a concentration greater than one-third of the concentration of any of the samples in this data set. The chromatography appears to indicate that the source of low-level contamination occurred in the field and may be due to a loose brass end cap or a field sampling error.
Reporting Notes	The samples may have been purged to remove known or suspected moisture. If purging occurred, a CCV and a Method Blank will have been purged alongside the samples. The laboratory maintains documentation of samples that are purged. As specified in EPA Method 325B, the response factor of the daily continuing calibration standard was used to quantitate all field samples and blanks. All samples were reported as amount in ng catch, and concentration in µg/m3 and ppbv. The results presented in this report are representative of the samples as provided to the laboratory.

Enthalpy Analytical Narrative Summary
(continued)

These analyses met the requirements of the TNI Standard. Any deviations from the requirements of the reference method or TNI Standard have been stated above.

Sample Custody

2024FP404

ENTHALPY ANALYTICAL

EPA Method 325 A
Field Test Data Sheet and Chain of Custody Record

Page # 1 of 3 #

☐ Standard Turn Around Time (10 business days)
☐ Rush Turn Around Time
• All TATs Subject to Approval by Enthalpy Analytical, Inc.
• Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name:	Citgo So Portland Terminal	Client Name:	Montrose Air
Site Address:	107 Mechanic Street	Project Number:	PROS-031602
City:	So Portland	Project Manager:	Haig Brochu
State	Maine	Email Address:	hbrochu@Montrose-env.com
Zip:	04106	Telephone #:	207.441.0025

PO#:
Sample Event #
Sorbent:

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
1	B32853	S	11/5/24	11:05	11/19/24	10:20	HFB / HFB		
2	B47083	S	11/5/24	11:10	11/19/24	10:25	HFB / HFB		
3	B27291	S	11/5/24	11:15	11/19/24	10:30	HFB / HFB		
3	C40662	D	11/5/24	11:15	11/19/24	10:30	HFB / HFB		
3	B49489	B	11/5/24	11:15	11/19/24	10:30	HFB / HFB		
4	B43057	S	11/5/24	11:25	11/19/24	10:40	HFB / HFB		
5	B52822	S	11/5/24	11:30	11/19/24	10:45	HFB / HFB		
6	B31388	S	11/5/24	11:35	11/19/24	10:50	HFB / HFB		

Relinquished By (printed):	Relinquished By (signature):	Relinquished Date:	Relinquished Time:
Haig Brochu		11/19/2024	15:30
Recieved By (printed):	Recieved By (signature):	Receipt Date:	Receipt Time:
Kimberly Sheridan	Kimberly Sheridan	11/22/24	09:30
Sample Condition Upon Receipt:	Compound List:	Custody Seal intact? Y/N:	Delivery tracking #
Good - See Comments		Y	
Ice Temp: / Blank Temp: 15.1 / FLUKE# 7A		Add Custody Seal # below: 24A02909	

Comments: Box smells like smoke

800-1 Capitola Drive • Durham, NC 27713 • (919) 850-4392 • FAX (919) 850-9012 • www.enthalpy.com

ENTHALPY ANALYTICAL

EPA Method 325 A
Field Test Data Sheet and Chain of Custody Record

Page # 2 of 3 #

☐ Standard Turn Around Time (10 business days)
☐ Rush Turn Around Time
• All TATs Subject to Approval by Enthalpy Analytical, Inc.
• Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name:	Citgo So Portland Terminal	**Client Name:**	Montrose Air	**PO#:**	
Site Address:	107 Mechanic Street	**Project Number:**	PROJ-031602	**Sample Event #**	
City:	So Portland	**Project Manager:**	Haig Brochu	**Sorbent:**	
State	Maine	**Email Address:**	haig.brochu@montrose-env.com		
Zip:	04106	**Telephone #:**	207-441-0025		

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
7	B20281	S	11/5/24	11:40	11/19/24	10:55	HFB / HFB		
8	C00593	S	11/5/24	11:45	11/19/24	11:00	HFB / HFB		
9	C53701	S	11/5/24	11:50	11/19/24	11:05	HFB / HFB		
9	B46187	D	11/5/24	11:50	11/19/24	11:05	HFB / HFB		
9	B38537	B	11/5/24	11:50	11/19/24	11:05	HFB / HFB		
10	B53234	S	11/5/24	11:55	11/19/24	11:15	HFB / HFB		
11	B37703	S	11/5/24	12:00	11/19/24	11:20	HFB / HFB		
12	C01486	S	11/5/24	12:05	11/19/24	11:25	HFB / HFB		

Relinquished By (printed):	**Relinquished By (signature):**	**Relinquished Date:**	**Relinquished Time:**
Haig Brochu		11/19/2024	15:30
Recieved By (printed):	**Recieved By (signature):**	**Receipt Date:**	**Receipt Time:**
Kimberly Sheridan	Kimberly Sheridan	11/22/24	09:30

Sample Condition Upon Receipt:	**Compound List:**	**Custody Seal intact? Y/N:**	**Delivery tracking #**
Good - See Comments		Y	
Ice Temp: / **Blank Temp:** 15.1 / FLUKE #7A		**Add Custody Seal # below:** 24A02909	

Comments: box smells like smoke

800-1 Capitola Drive • Durham, NC 27713 • (919) 850-4392 • FAX (919) 850-9012 • www.enthalpy.com

EPA Method 325 A/B
Field Test Data Sheet and
Chain of Custody Record

Page # 3 of 3 #

☐ Standard Turn Around Time (10 business days)
☐ Rush Turn Around Time
• All TATs Subject to Approval by Enthalpy Analytical, Inc.
• Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name:	Citgo So Portland Terminal	Client Name:	Montrose Air	PO#:
Site Address:	107 Mechanic Street	Project Number:	PROS - 03/602	Sample Event #
City:	So Portland	Project Manager:	Haig Brown	Sorbent:
State	Maine	Email Address:	haigbrown@Montrose-env.com	
Zip:	04106	Telephone #:	207-441-0025	

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
13	B50658	S	11/5/24	12:10	11/19/24	11:30	HFB / HFB		
14	B52725	S	11/5/24	12:15	11/19/24	11:35	HFB / HFB		
15	C02000	S	11/5/24	12:20	11/19/24	11:40	HFB / HFB		
16	C01384	S	11/5/24	12:25	11/19/24	11:45	HFB / HFB		
17	B40267	S	11/5/24	12:30	11/19/24	11:50	HFB / HFB		
18	C40150	S	11/5/24	12:35	11/19/24	11:55	HFB / HFB		
							/		
							/		

Relinquished By (printed):	Relinquished By (signature):	Relinquished Date:	Relinquished Time:
Haig Brown		11/A/2024	15:30
Recieved By (printed):	Recieved By (signature):	Receipt Date:	Receipt Time:
Kimberly Sheridan	Kimberly Sheridan	11/22/24	09:30
Sample Condition Upon Receipt:	Compound List:	Custody Seal Intact? Y/N:	Delivery tracking #
Good - See comments		Y	
Ice Temp: / Blank Temp: 15.1 / FLUKE #7A		Add Custody Seal # below: 24A02909	

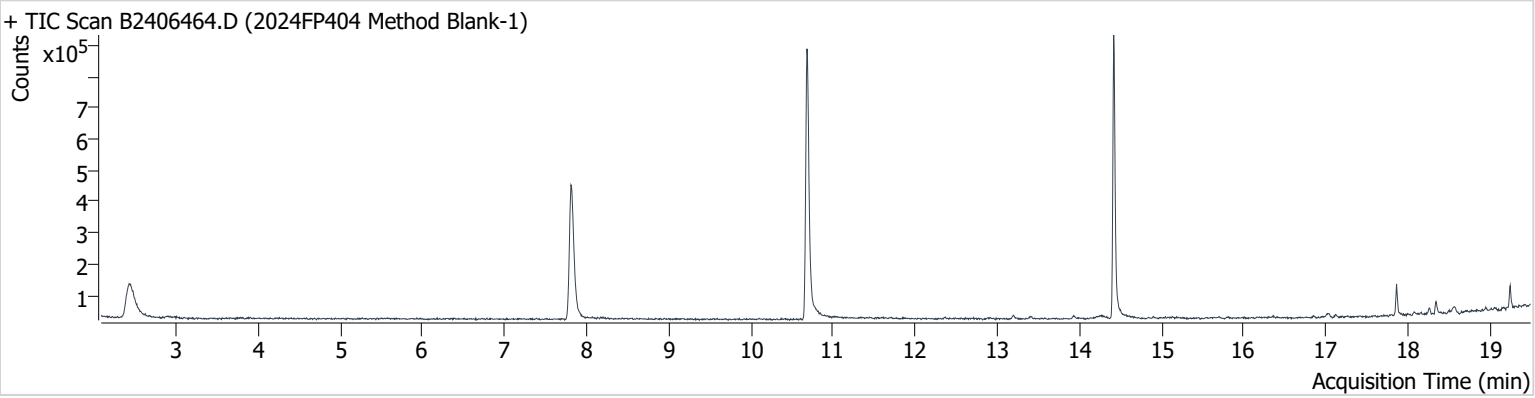
Comments: Box smells like smoke

800-1 Capitola Drive • Durham, NC 27713 • (919) 850-4392 • FAX (919) 850-9012 • www.enthalpy.com

Sample Chromatograms

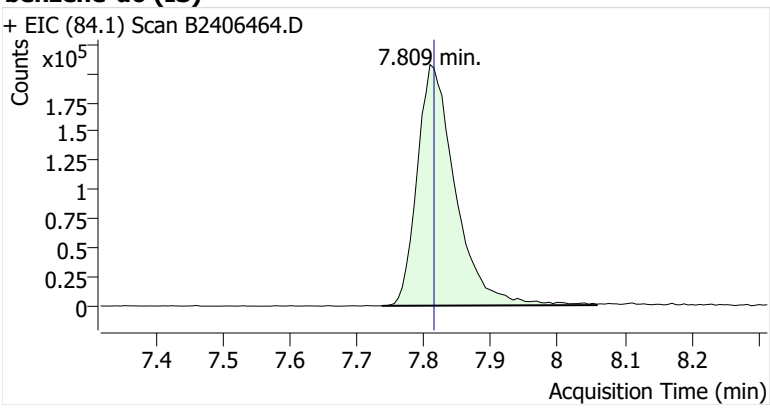
Name	2024FP404 Method Blank-1
Comment	C43614
Data File	B2406464.D
Acq. Date-Time	11/23/2024 5:55:48 PM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

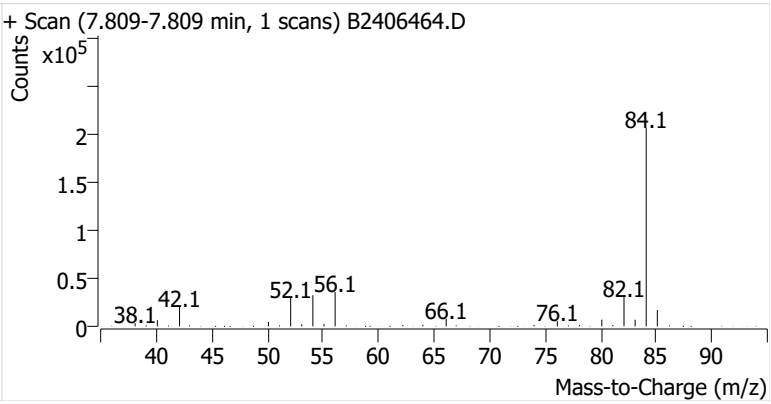
Sample Chromatogram



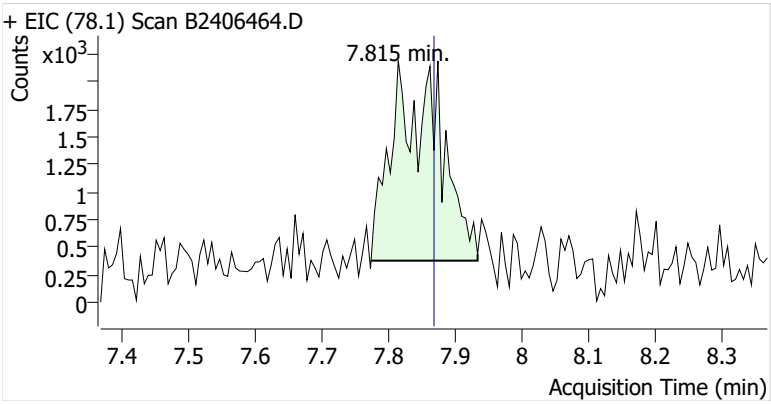
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.809	7.815	822,875	
Benzene	benzene-d6 (IS)	7.815	7.868	8,805	
Toluene-d8 (IS)		10.682	10.693	913,534	
Toluene	Toluene-d8 (IS)	10.777	10.794	11,704	
Ethylbenzene	Toluene-d8 (IS)	13.192	13.198	7,787	
m-/p-Xylenes	Toluene-d8 (IS)	13.406	13.412	8,226	
o-Xylene	Toluene-d8 (IS)	13.928	13.934	6,709	

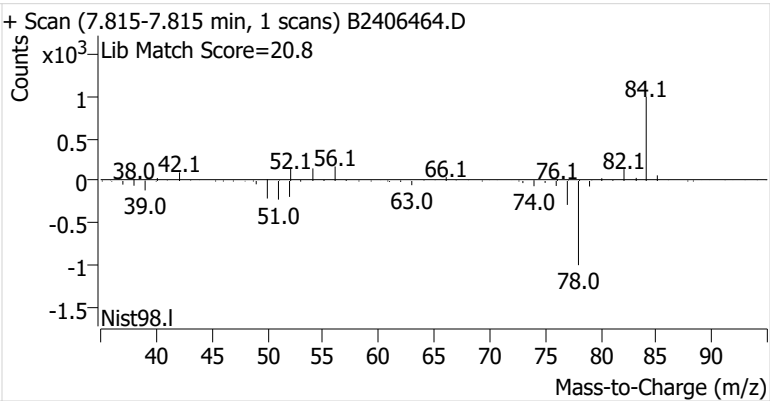
benzene-d6 (IS)



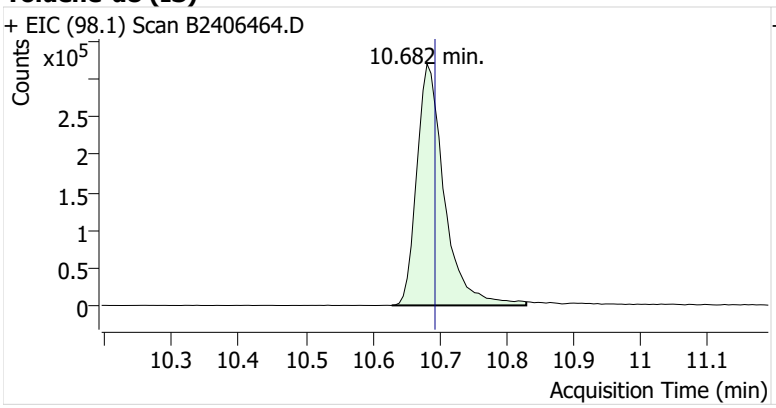


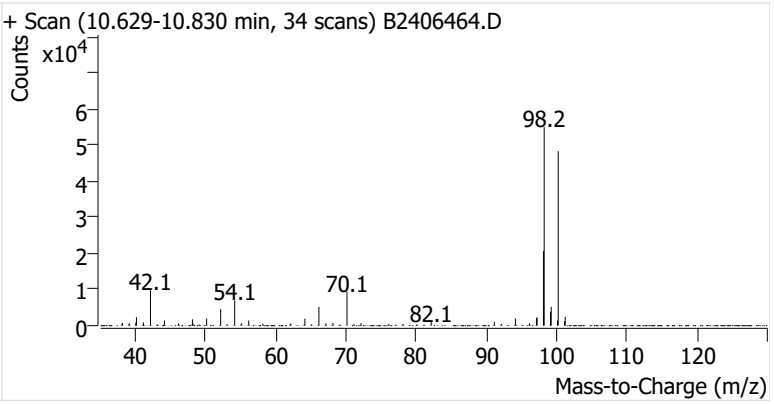
Benzene



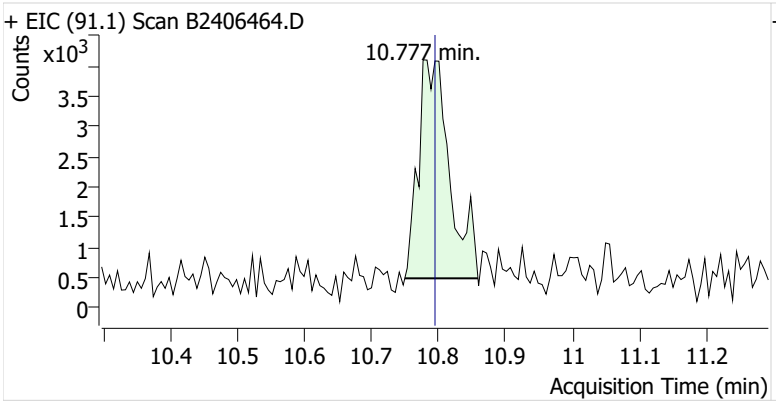


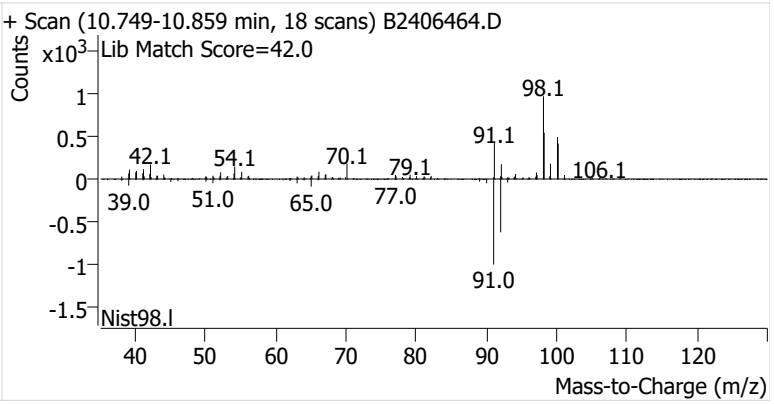
Toluene-d8 (IS)



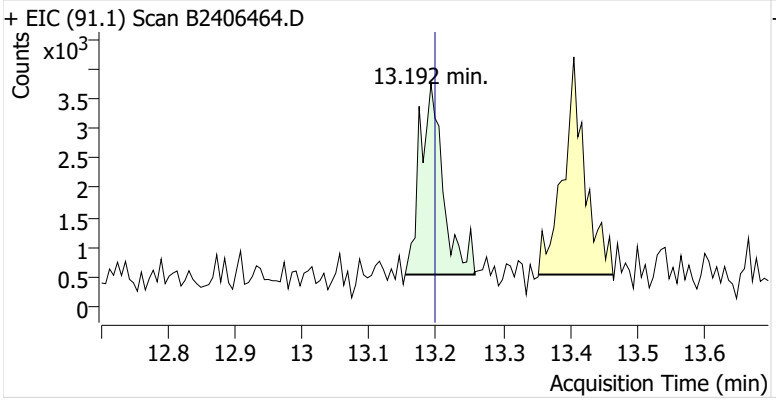


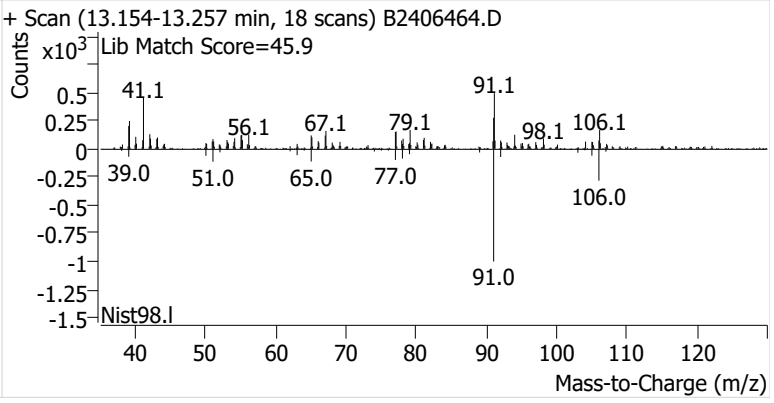
Toluene



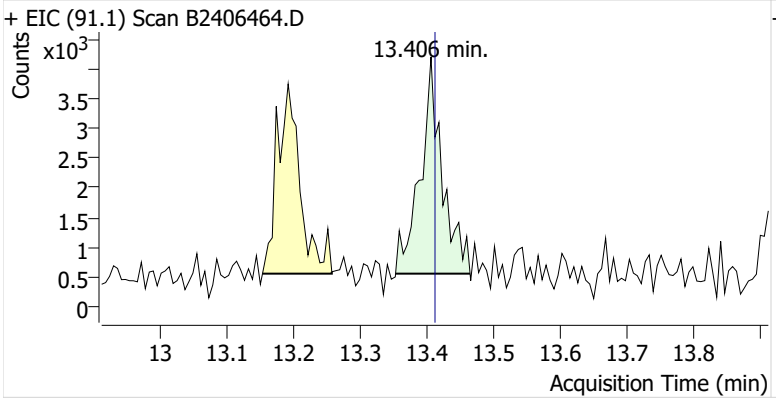


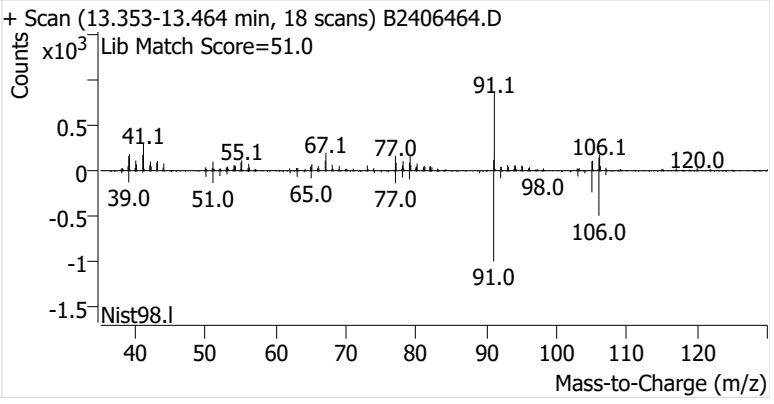
Ethylbenzene



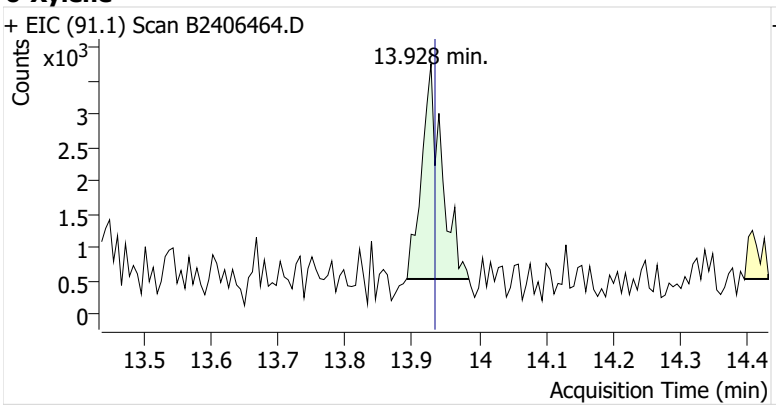


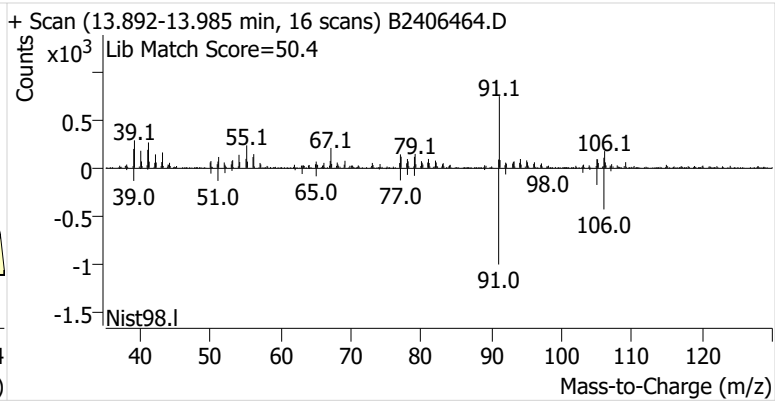
m-/p-Xylenes





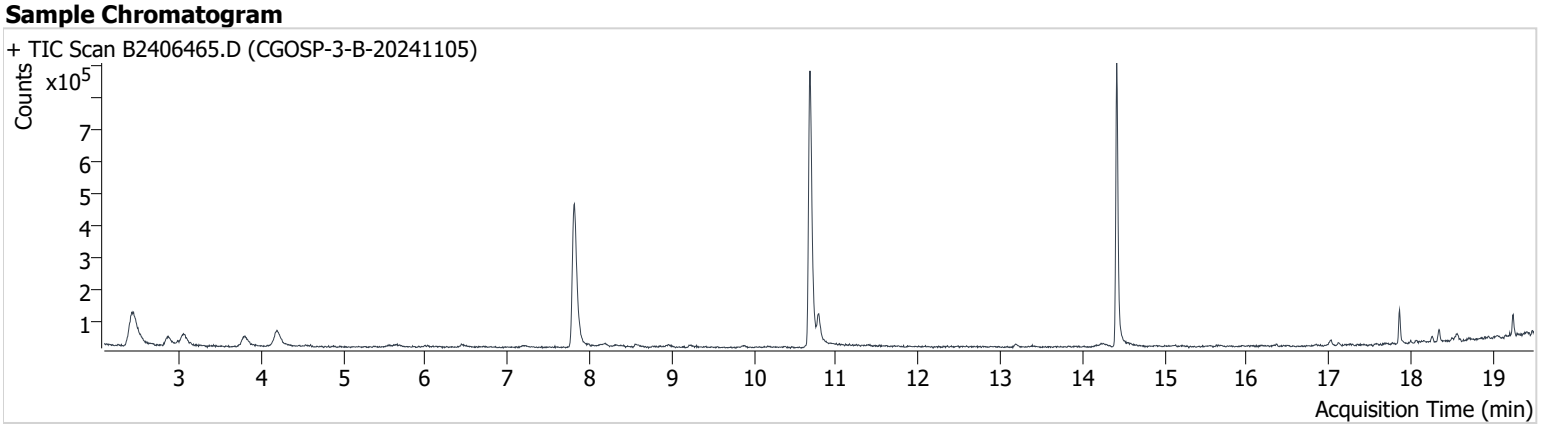
o-Xylene


+ EIC (91.1) Scan B2406464.D
Counts
x10^3
13.928 min.
3
2.5
2
1.5
1
0.5
0
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)


+ Scan (13.892-13.985 min, 16 scans) B2406464.D
Counts
x10^3
Lib Match Score=50.4
91.1
39.1
55.1
67.1
79.1
106.1
98.0
106.0
0.5
0
-0.5
-1
-1.5
39.0
51.0
65.0
77.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

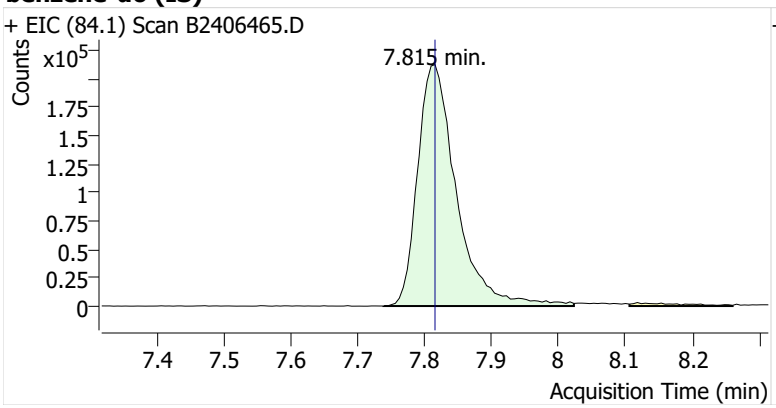
Name	CGOSP-3-B-20241105
Comment	B49489
Data File	B2406465.D
Acq. Date-Time	11/23/2024 6:33:08 PM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

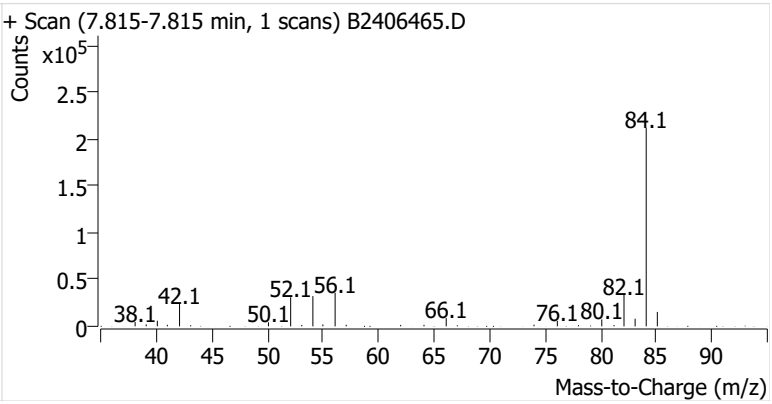
Sample Chromatogram



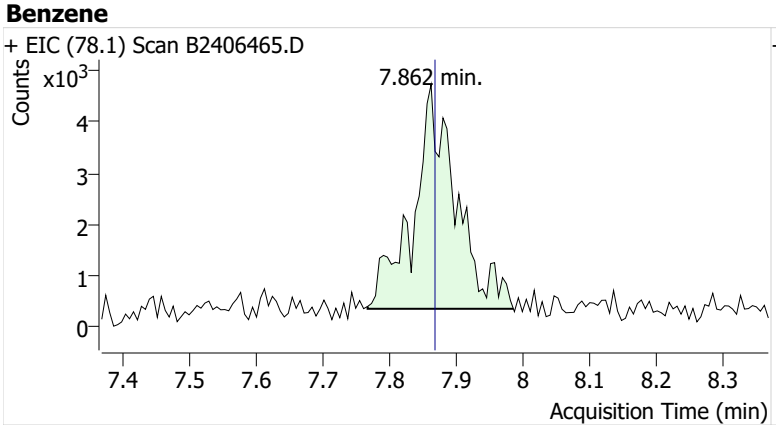
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.815	7.815	855,511	
Benzene	benzene-d6 (IS)	7.862	7.868	19,633	
Toluene-d8 (IS)		10.682	10.693	930,688	
Toluene	Toluene-d8 (IS)	10.788	10.794	87,613	
Ethylbenzene	Toluene-d8 (IS)	13.186	13.198	7,820	
m-/p-Xylenes	Toluene-d8 (IS)	13.388	13.412	2,561	
o-Xylene	Toluene-d8 (IS)	13.916	13.934	1,281	

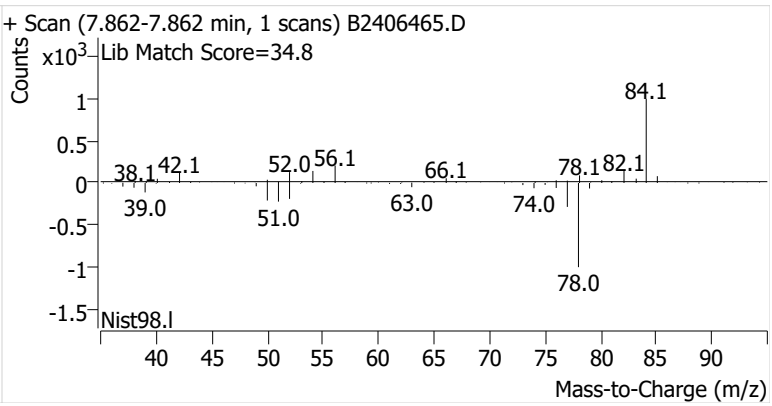
benzene-d6 (IS)



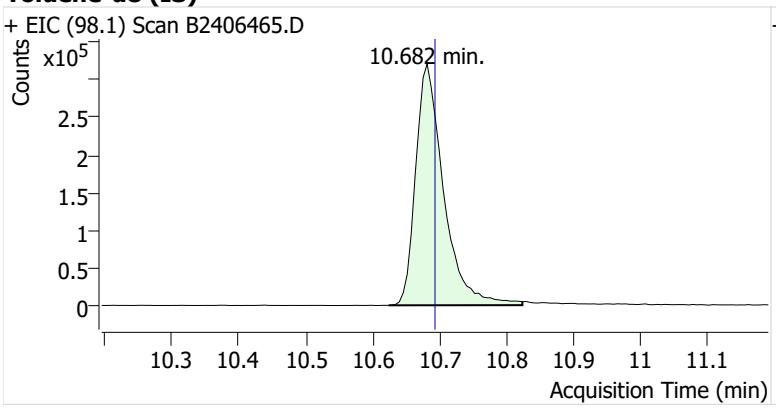


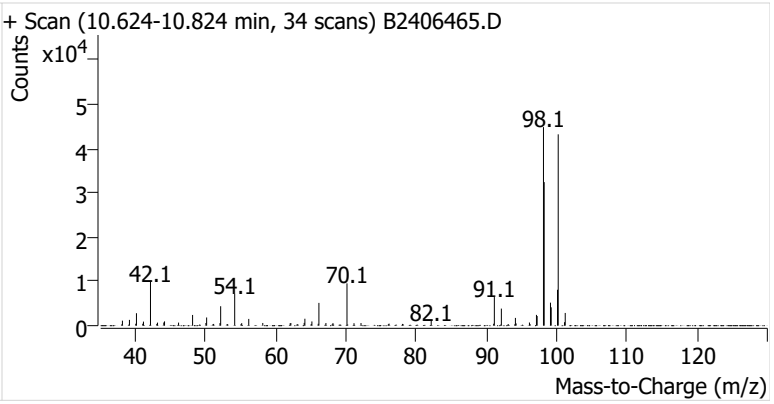
Benzene



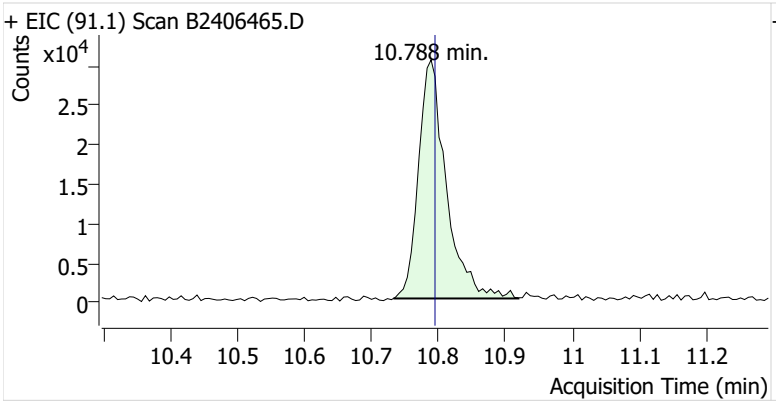


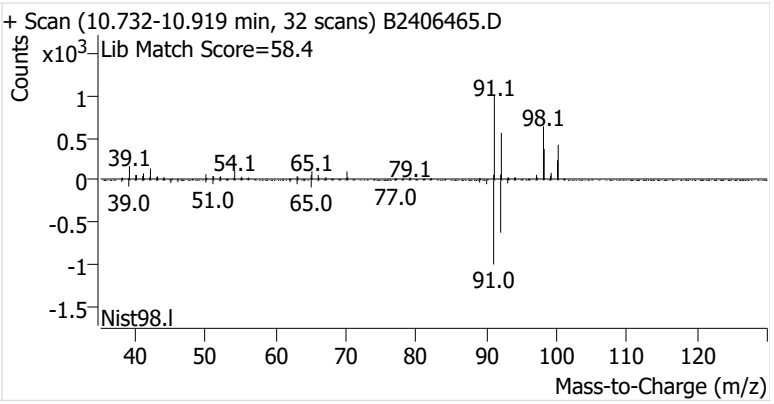
Toluene-d8 (IS)



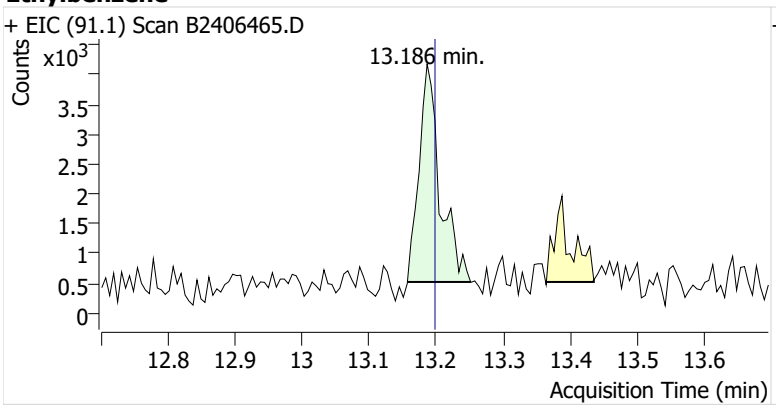


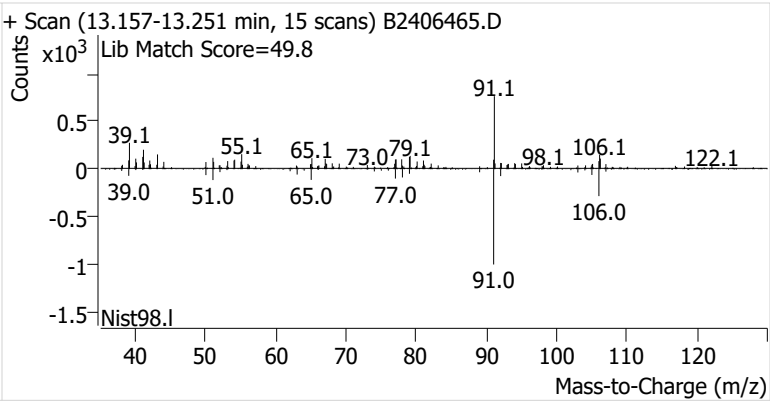
Toluene



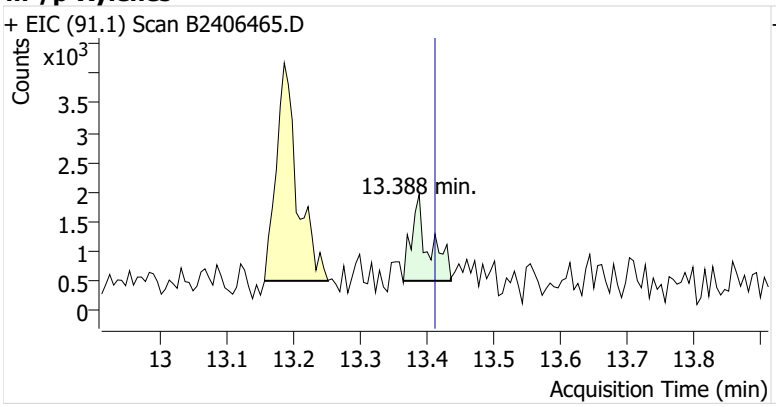


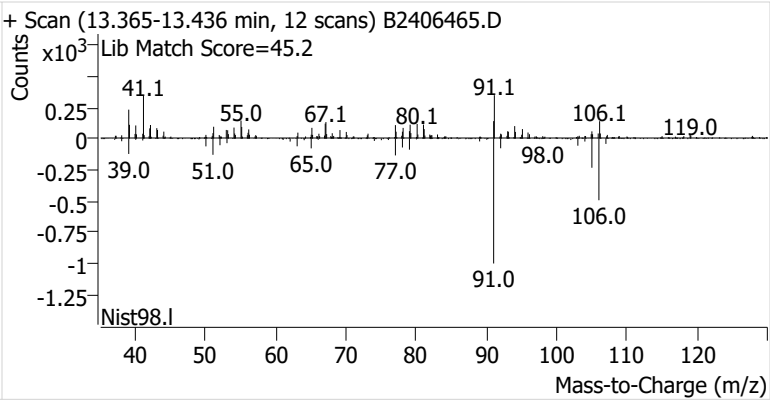
Ethylbenzene



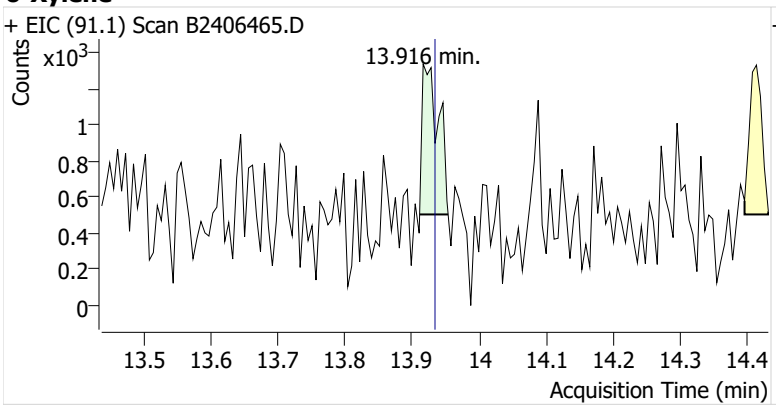


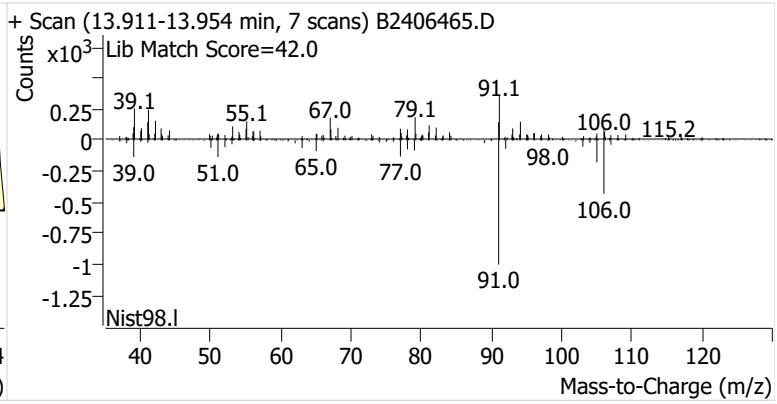
m-/p-Xylenes





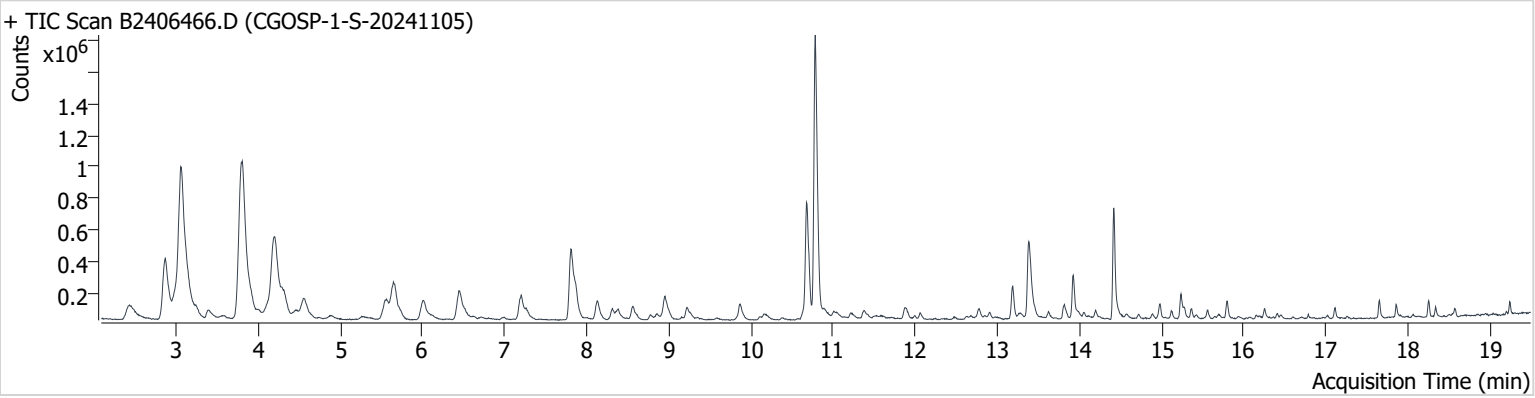
o-Xylene


+ EIC (91.1) Scan B2406465.D
Counts
x10^3
13.916 min.
1
0.8
0.6
0.4
0.2
0
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)


+ Scan (13.911-13.954 min, 7 scans) B2406465.D
Counts
x10^3
Lib Match Score=42.0
0.25
0
-0.25
-0.5
-0.75
-1
-1.25
39.1
55.1
67.0
79.1
91.1
106.0
115.2
98.0
39.0
51.0
65.0
77.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

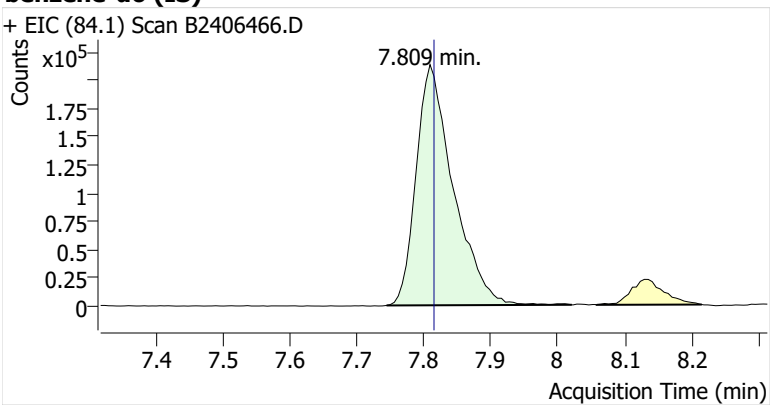
Name	CGOSP-1-S-20241105
Comment	B32853
Data File	B2406466.D
Acq. Date-Time	11/23/2024 7:10:30 PM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

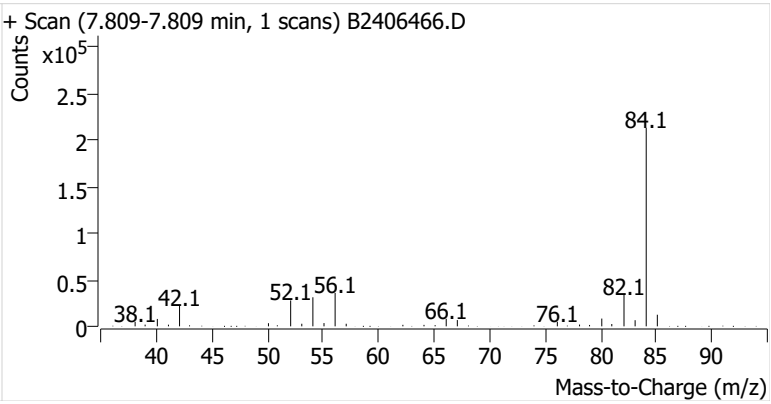
Sample Chromatogram



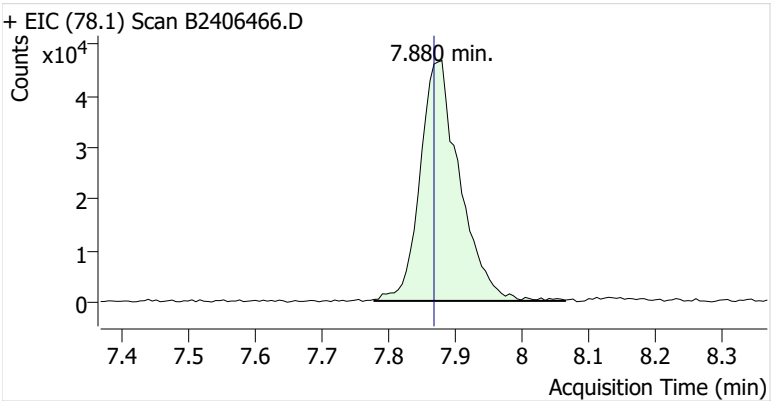
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.809	7.815	818,577	
Benzene	benzene-d6 (IS)	7.880	7.868	191,983	
Toluene-d8 (IS)		10.676	10.693	811,853	
Toluene	Toluene-d8 (IS)	10.782	10.794	2,194,962	
Ethylbenzene	Toluene-d8 (IS)	13.186	13.198	225,854	
m-/p-Xylenes	Toluene-d8 (IS)	13.382	13.412	596,209	
o-Xylene	Toluene-d8 (IS)	13.922	13.934	232,736	

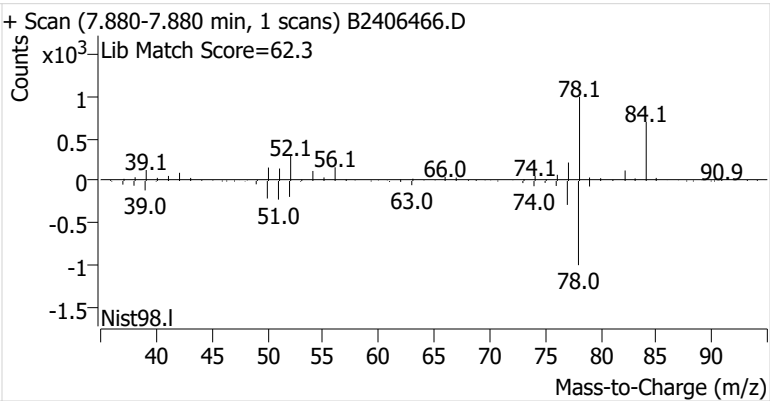
benzene-d6 (IS)



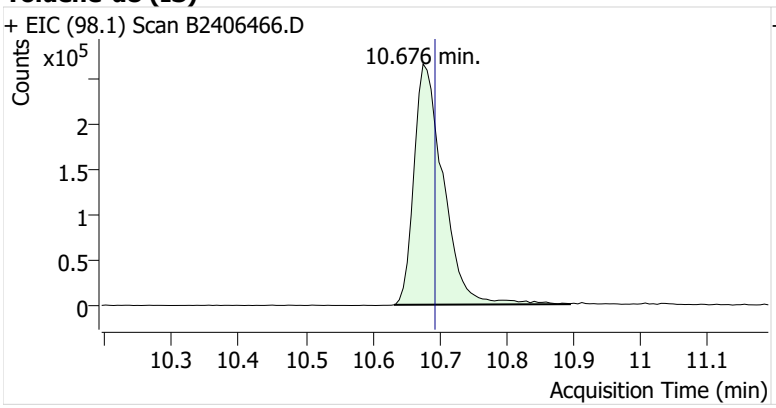


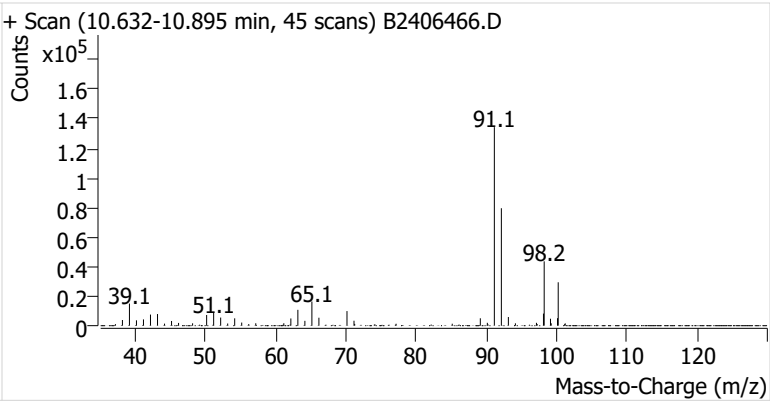
Benzene



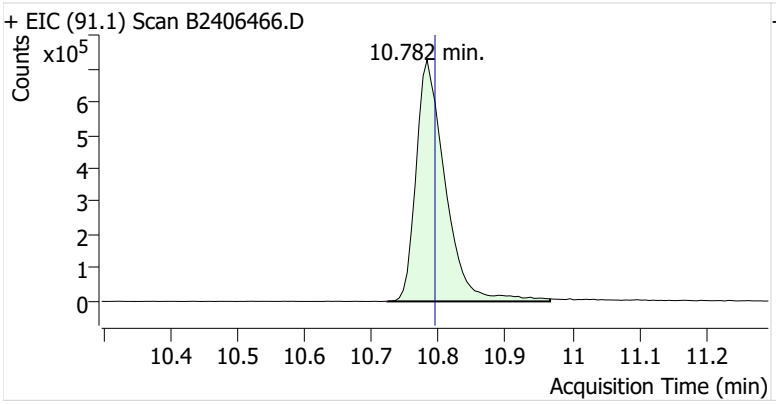


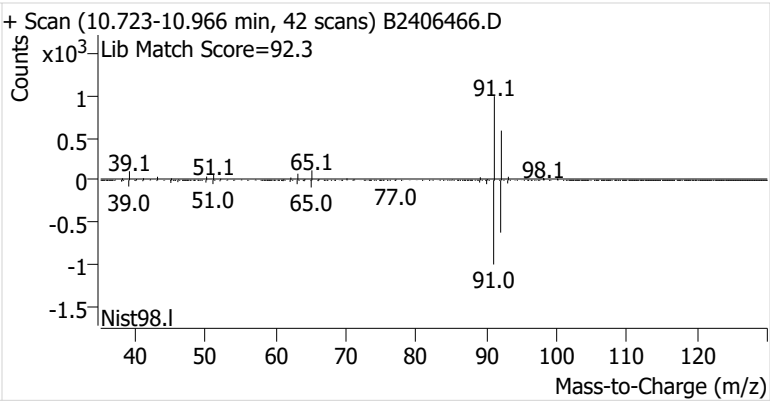
Toluene-d8 (IS)



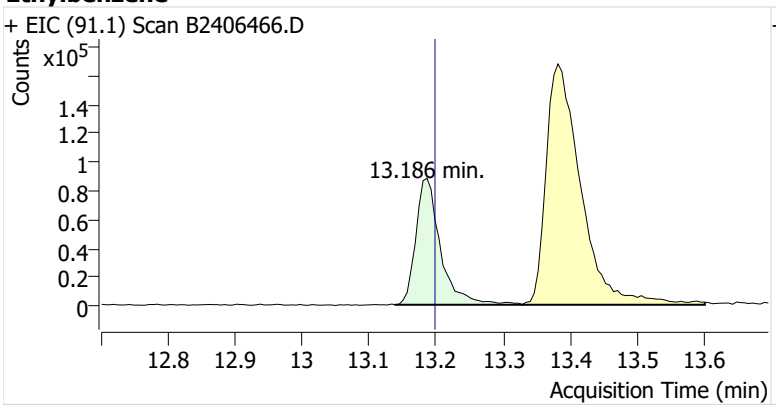


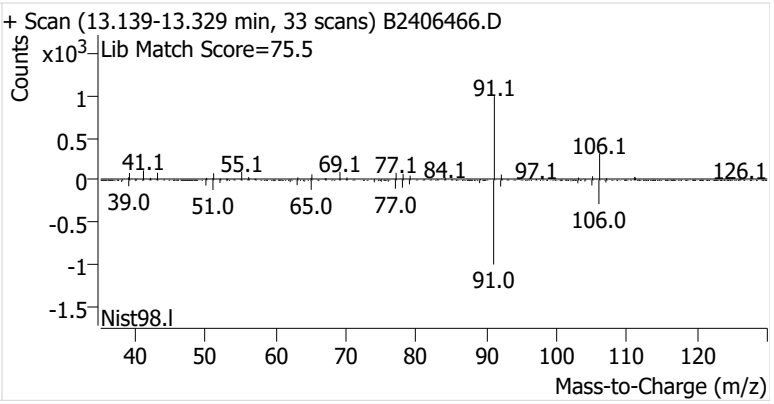
Toluene



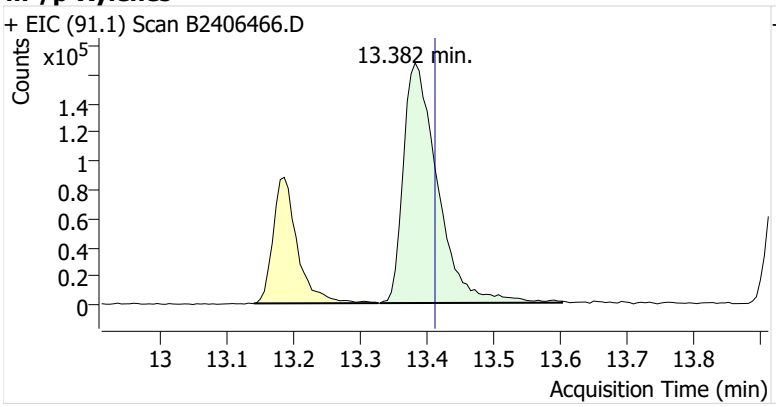


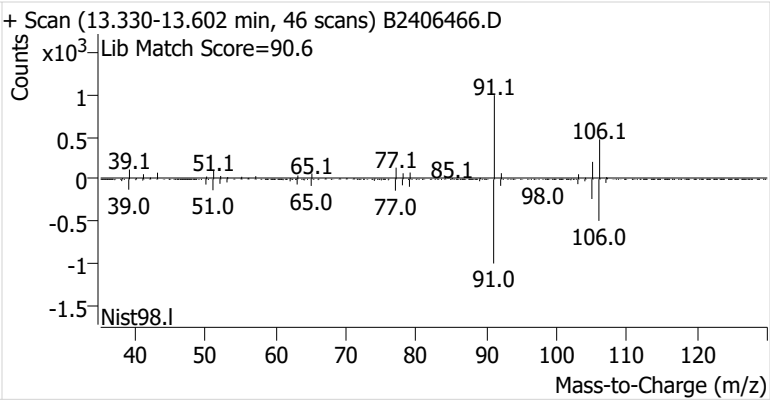
Ethylbenzene



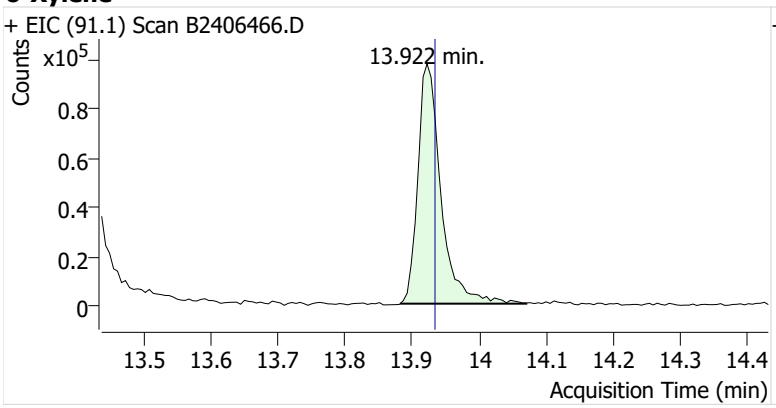


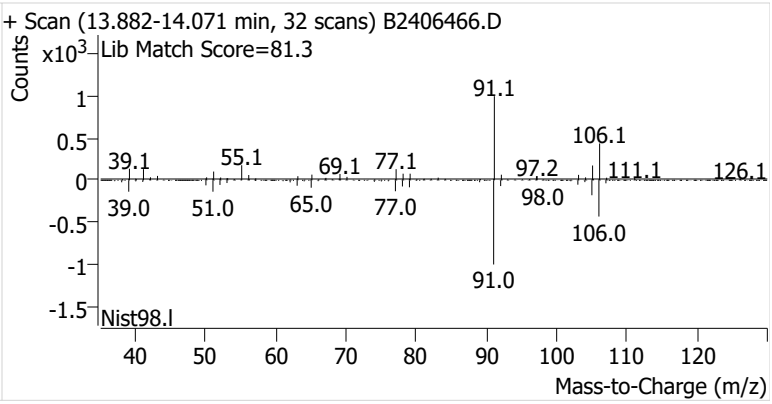
m-/p-Xylenes





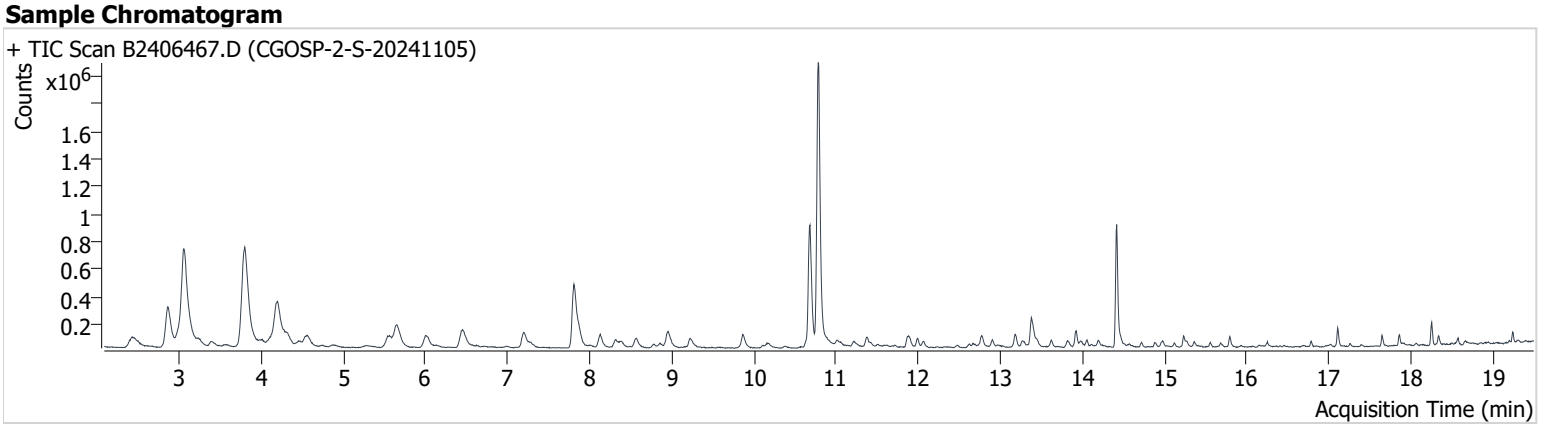
o-Xylene


+ EIC (91.1) Scan B2406466.D
Counts
x10^5
13.922 min.
0.8
0.6
0.4
0.2
0
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)


+ Scan (13.882-14.071 min, 32 scans) B2406466.D
Counts
x10^3
Lib Match Score=81.3
91.1
106.1
39.1
55.1
69.1
77.1
97.2
111.1
126.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

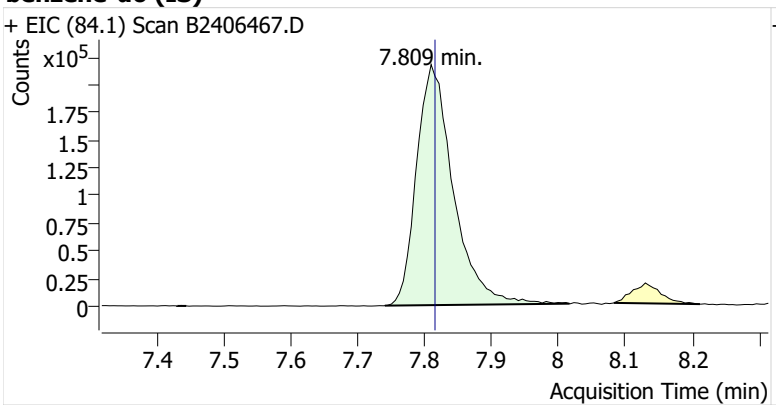
Name	CGOSP-2-S-20241105
Comment	B47083
Data File	B2406467.D
Acq. Date-Time	11/23/2024 7:47:50 PM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

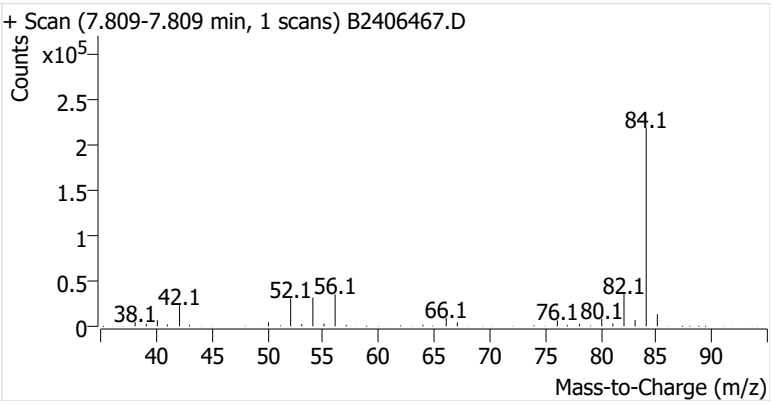
Sample Chromatogram



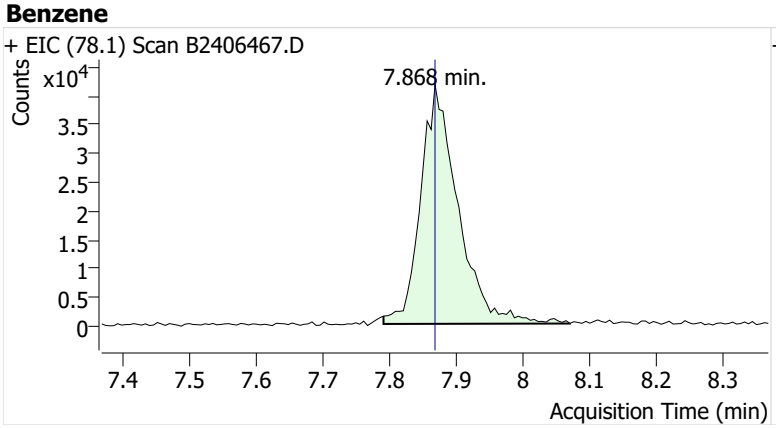
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.809	7.815	832,381	
Benzene	benzene-d6 (IS)	7.868	7.868	161,821	
Toluene-d8 (IS)		10.676	10.693	935,781	
Toluene	Toluene-d8 (IS)	10.783	10.794	2,464,028	
Ethylbenzene	Toluene-d8 (IS)	13.181	13.198	91,771	
m-/p-Xylenes	Toluene-d8 (IS)	13.376	13.412	224,720	
o-Xylene	Toluene-d8 (IS)	13.922	13.934	87,838	

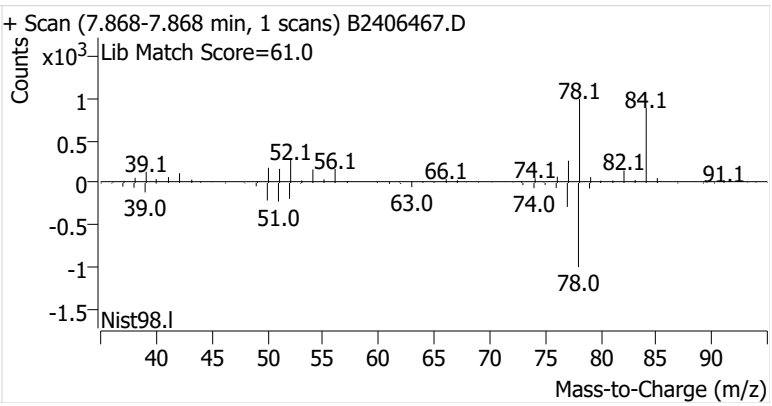
benzene-d6 (IS)



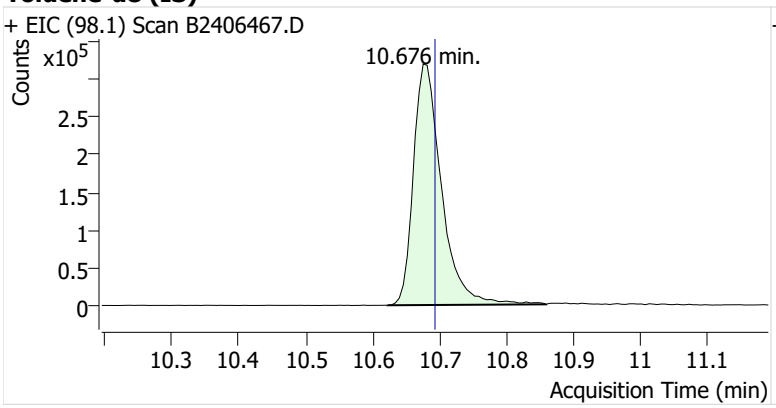


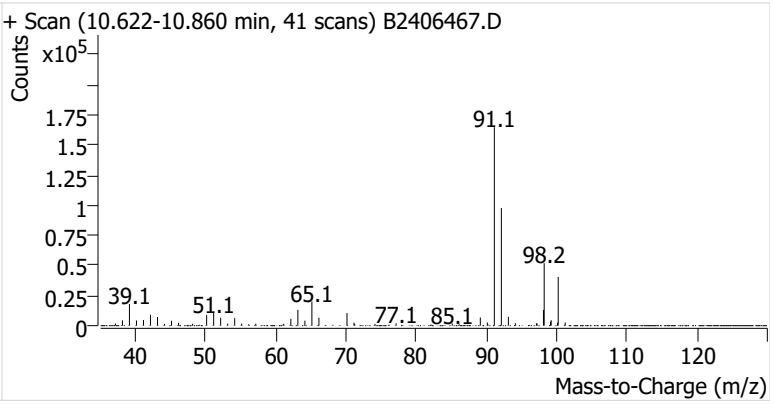
Benzene



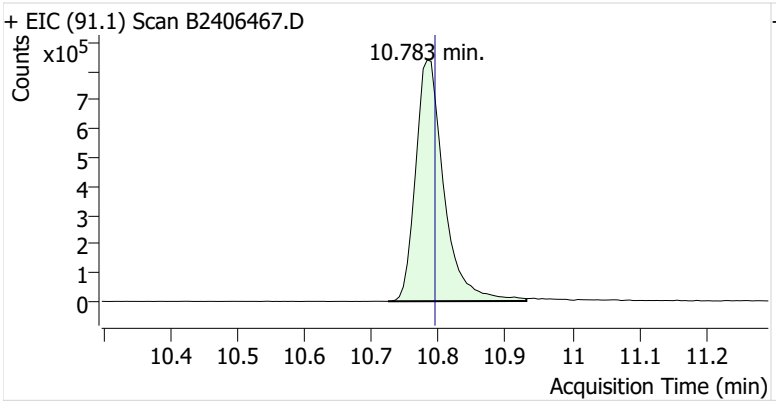


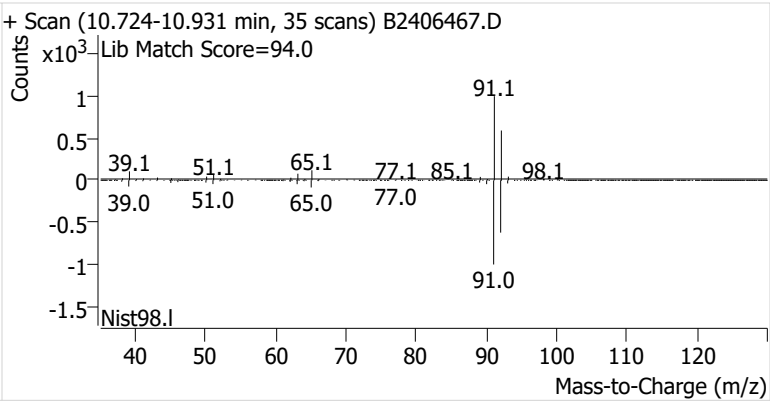
Toluene-d8 (IS)



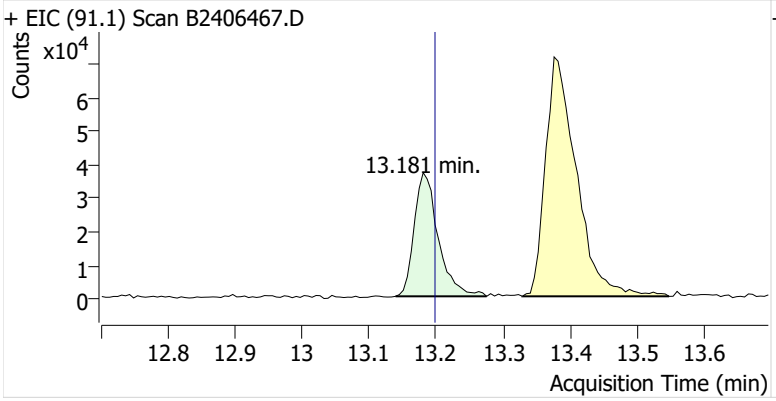


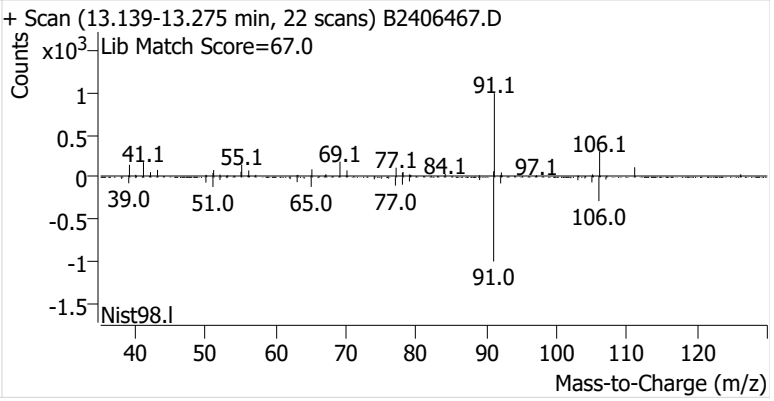
Toluene



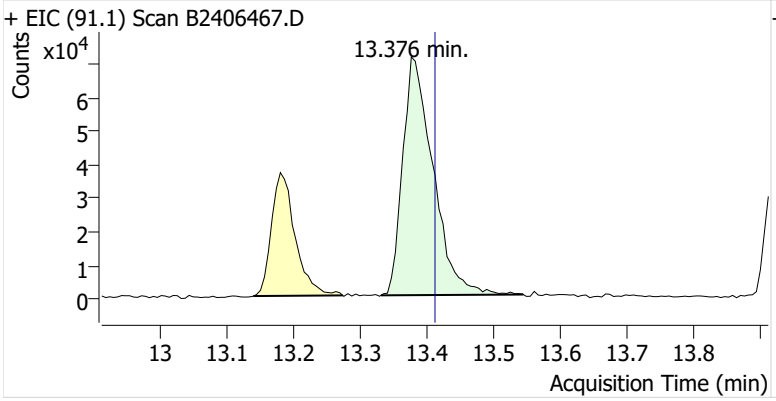


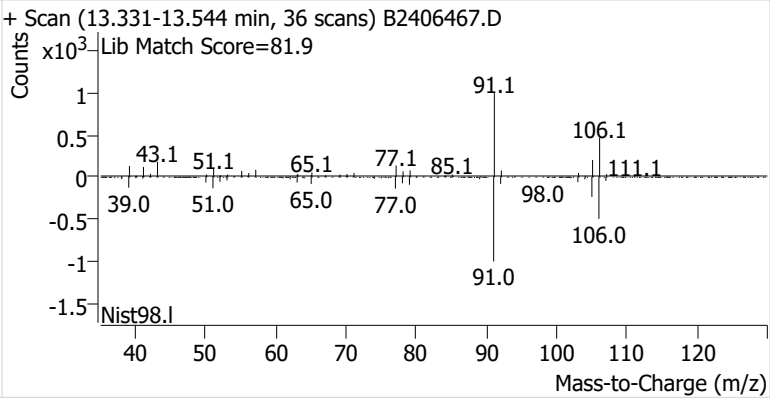
Ethylbenzene



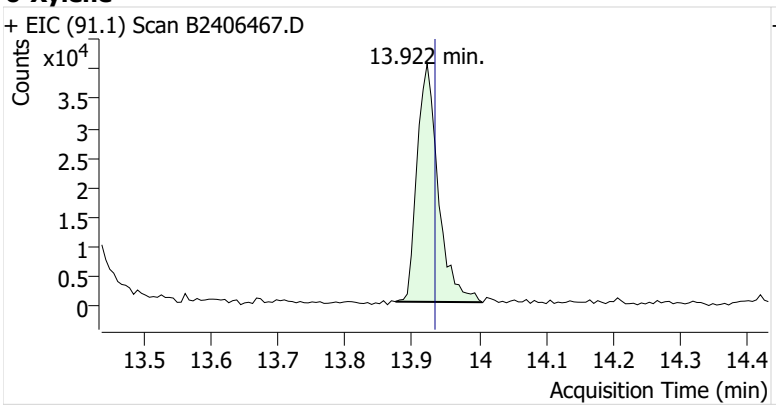


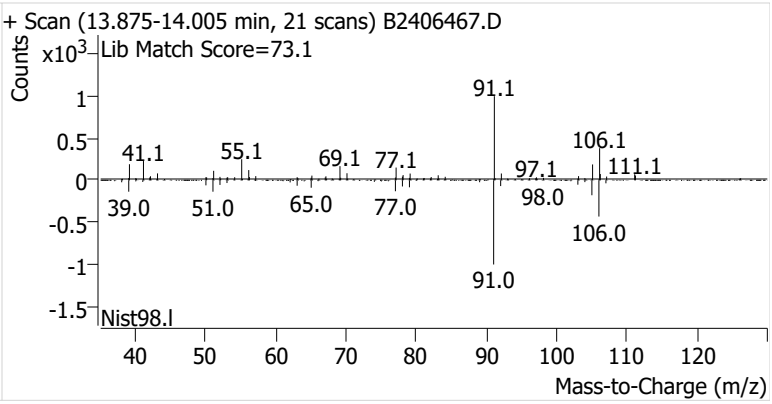
m-/p-Xylenes





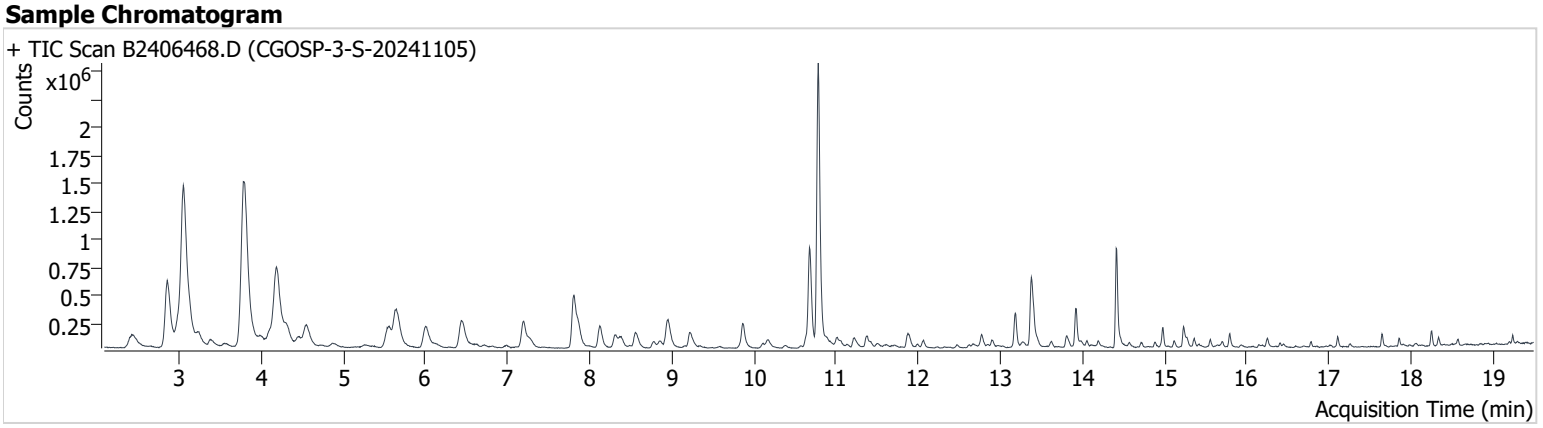
o-Xylene


+ EIC (91.1) Scan B2406467.D
Counts
x10^4
13.922 min.
3.5
3
2.5
2
1.5
1
0.5
0
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)


+ Scan (13.875-14.005 min, 21 scans) B2406467.D
Counts
x10^3
Lib Match Score=73.1
91.1
41.1
55.1
69.1
77.1
106.1
97.1
111.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

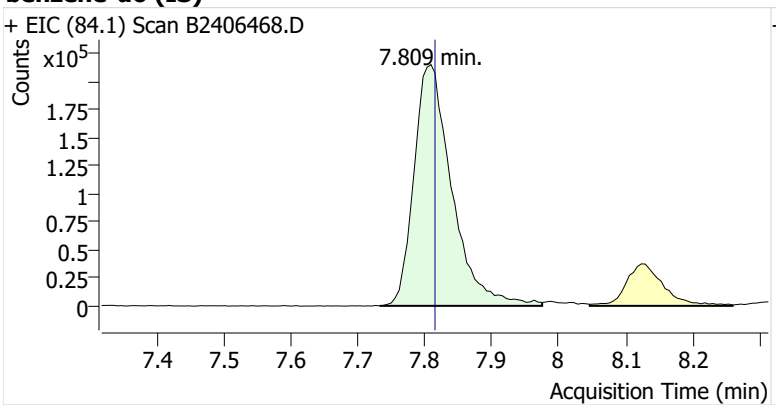
Name	CGOSP-3-S-20241105
Comment	B27291
Data File	B2406468.D
Acq. Date-Time	11/23/2024 8:25:10 PM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

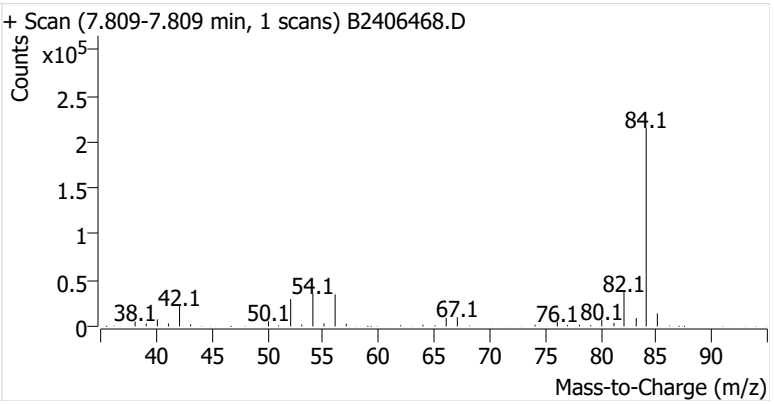
Sample Chromatogram



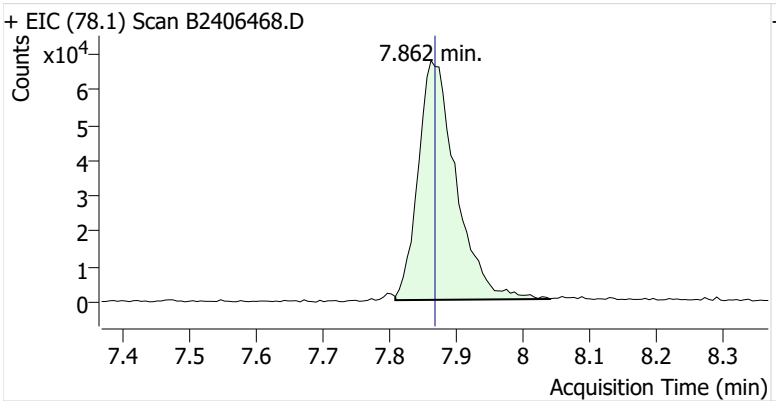
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.809	7.815	847,152	
Benzene	benzene-d6 (IS)	7.862	7.868	267,036	
Toluene-d8 (IS)		10.676	10.693	936,821	
Toluene	Toluene-d8 (IS)	10.782	10.794	2,881,695	
Ethylbenzene	Toluene-d8 (IS)	13.180	13.198	315,171	
m-/p-Xylenes	Toluene-d8 (IS)	13.376	13.412	679,333	
o-Xylene	Toluene-d8 (IS)	13.922	13.934	277,155	

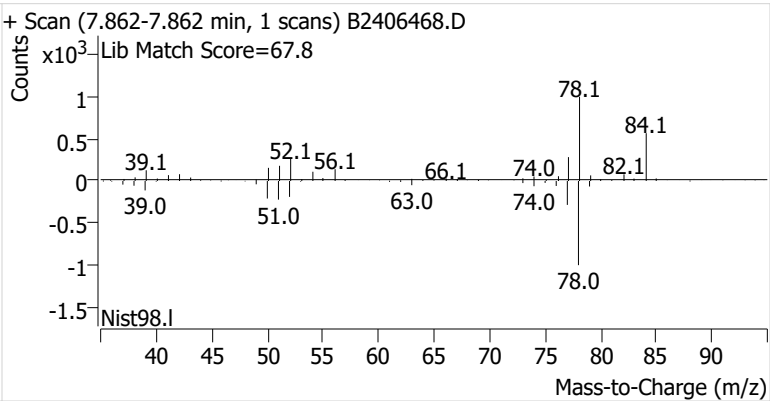
benzene-d6 (IS)



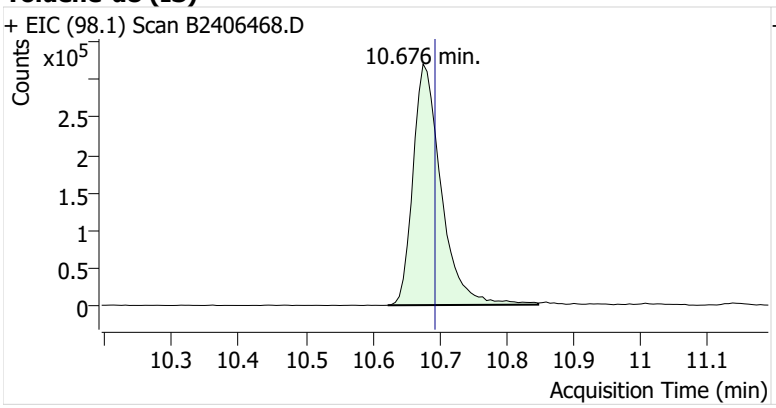


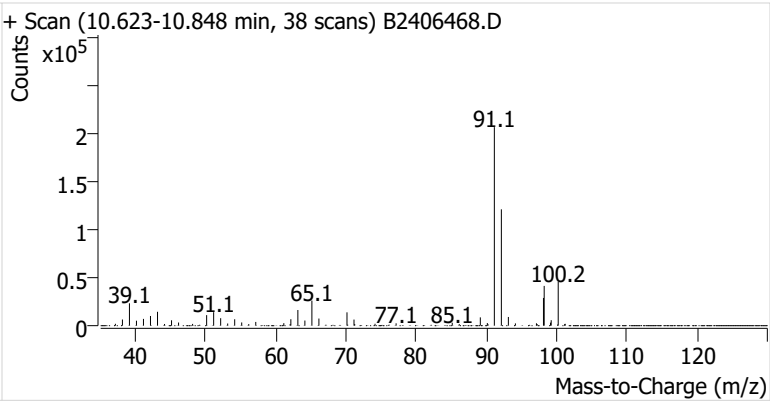
Benzene



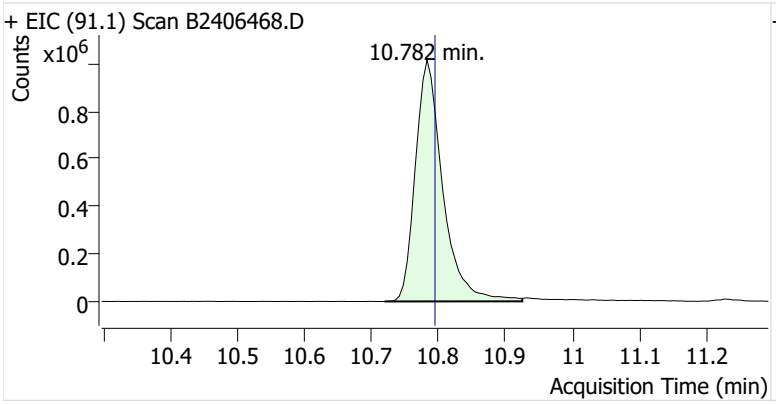


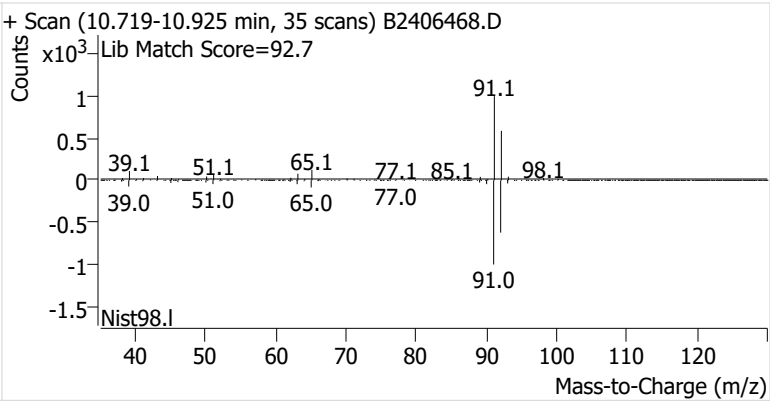
Toluene-d8 (IS)



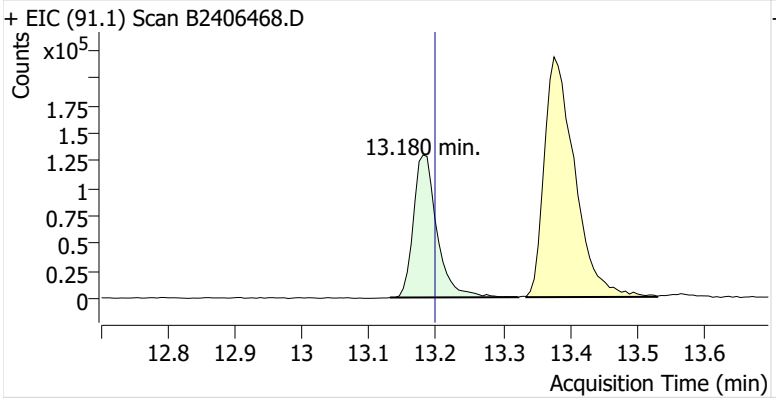


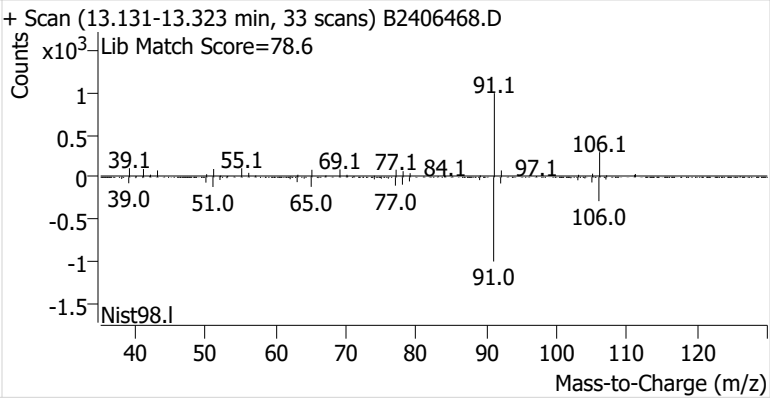
Toluene



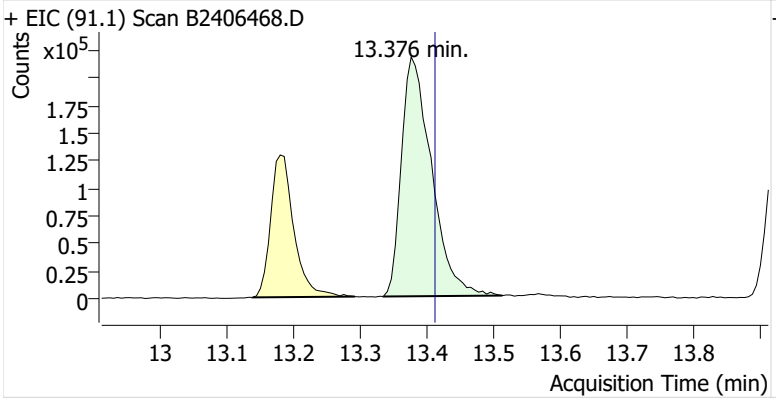


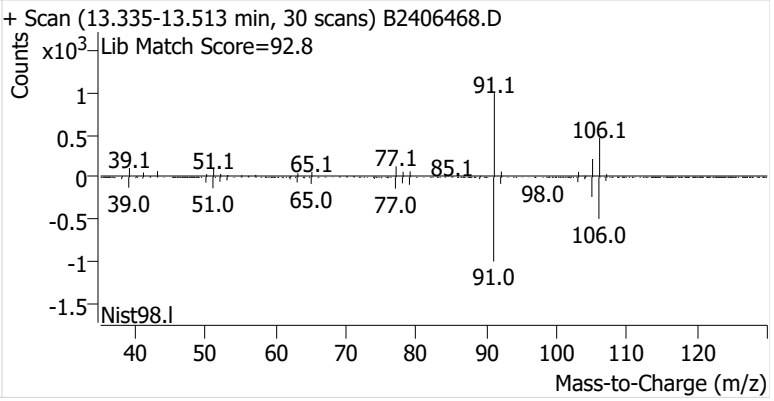
Ethylbenzene



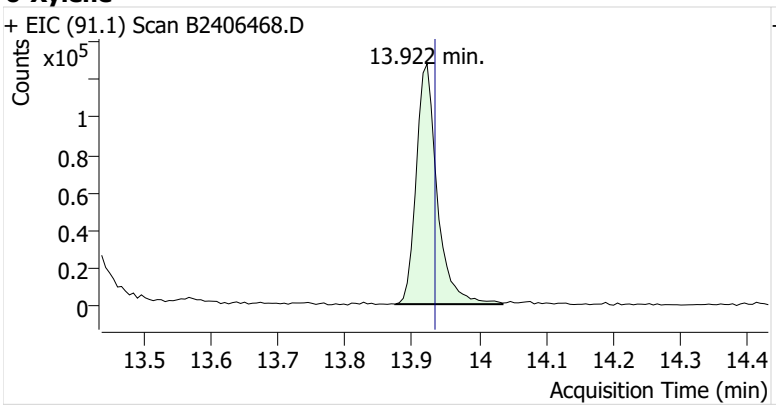


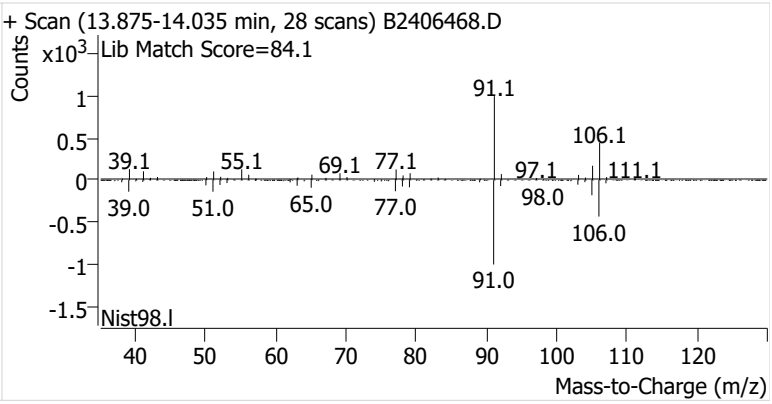
m-/p-Xylenes





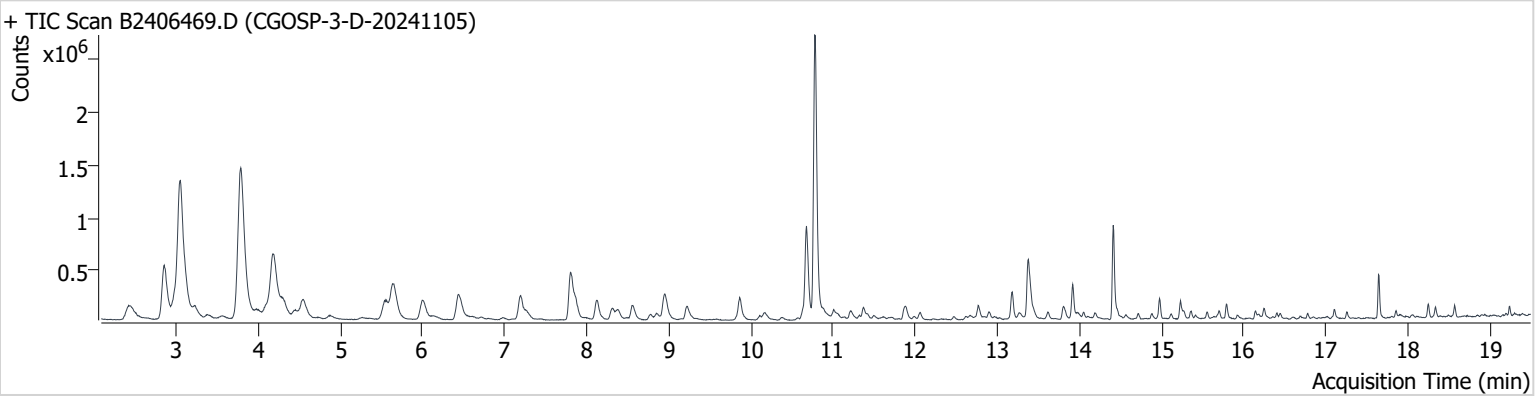
o-Xylene


+ EIC (91.1) Scan B2406468.D
Counts
x10^5
13.922 min.
1
0.8
0.6
0.4
0.2
0
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)


+ Scan (13.875-14.035 min, 28 scans) B2406468.D
Counts
x10^3
Lib Match Score=84.1
91.1
106.1
39.1
55.1
69.1
77.1
97.1
111.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

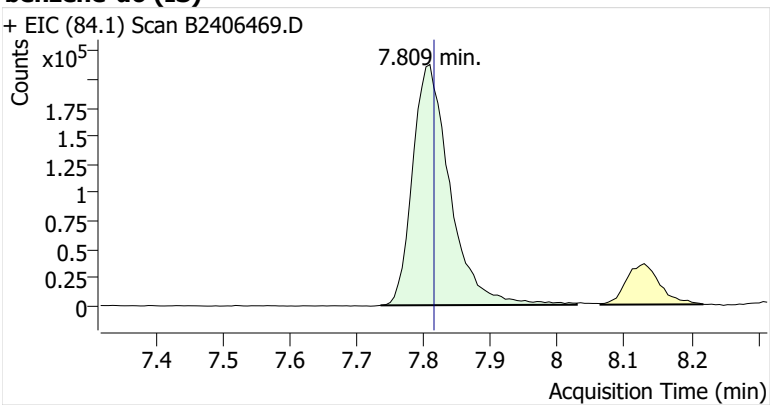
Name	CGOSP-3-D-20241105
Comment	C40662
Data File	B2406469.D
Acq. Date-Time	11/23/2024 9:02:39 PM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

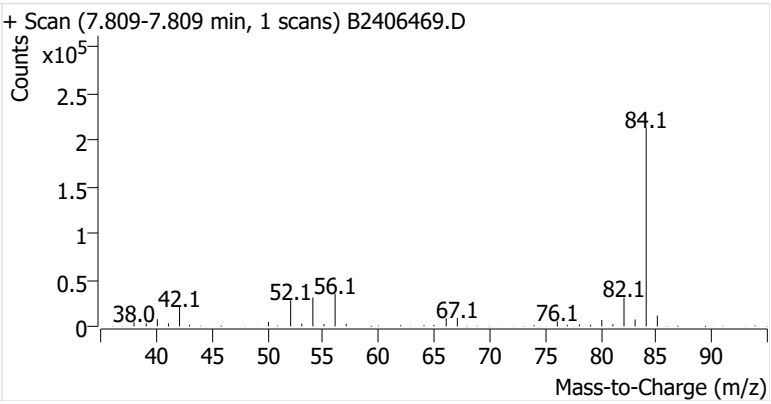
Sample Chromatogram



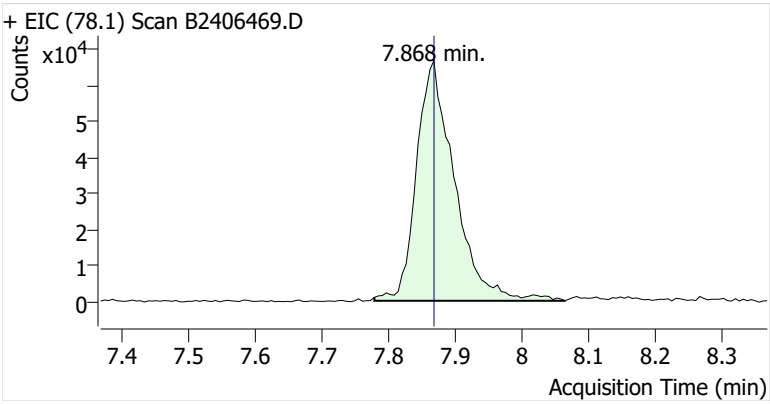
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.809	7.815	826,853	
Benzene	benzene-d6 (IS)	7.868	7.868	262,112	
Toluene-d8 (IS)		10.676	10.693	925,641	
Toluene	Toluene-d8 (IS)	10.776	10.794	3,208,812	
Ethylbenzene	Toluene-d8 (IS)	13.180	13.198	261,361	
m-/p-Xylenes	Toluene-d8 (IS)	13.376	13.412	641,053	
o-Xylene	Toluene-d8 (IS)	13.916	13.934	247,404	

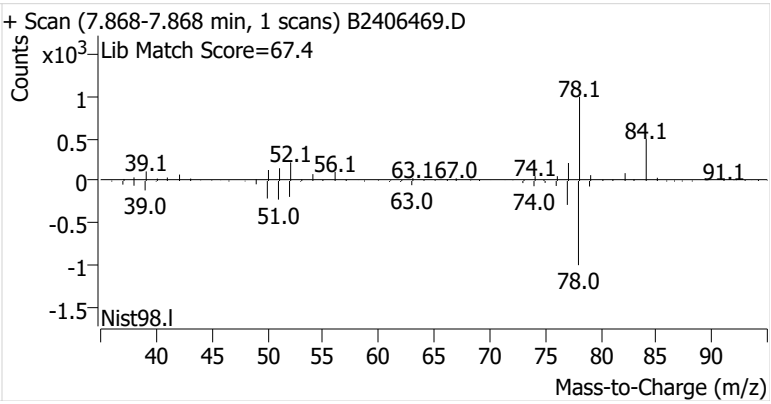
benzene-d6 (IS)



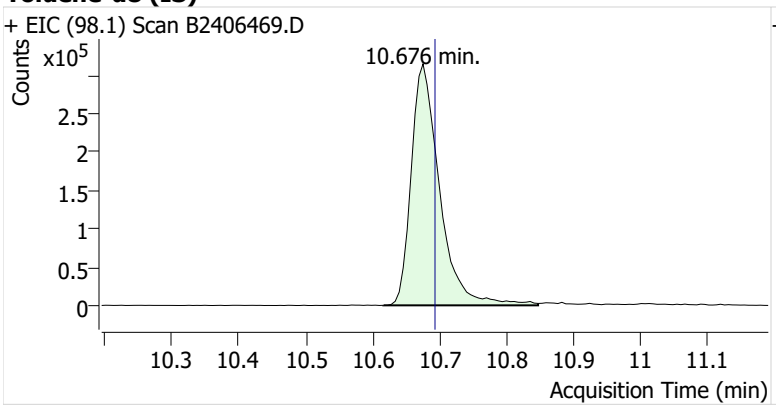


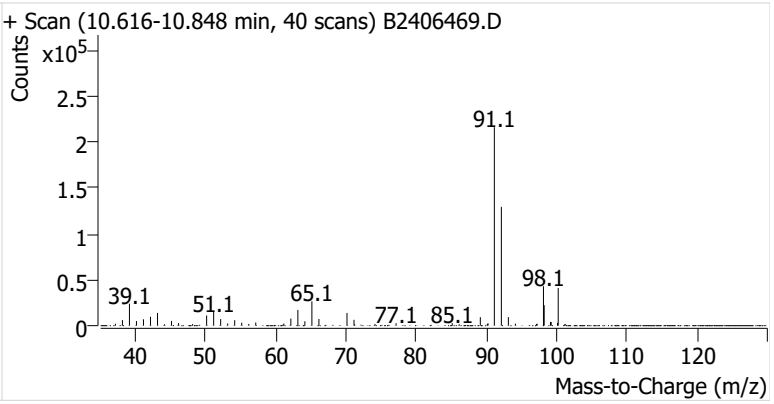
Benzene



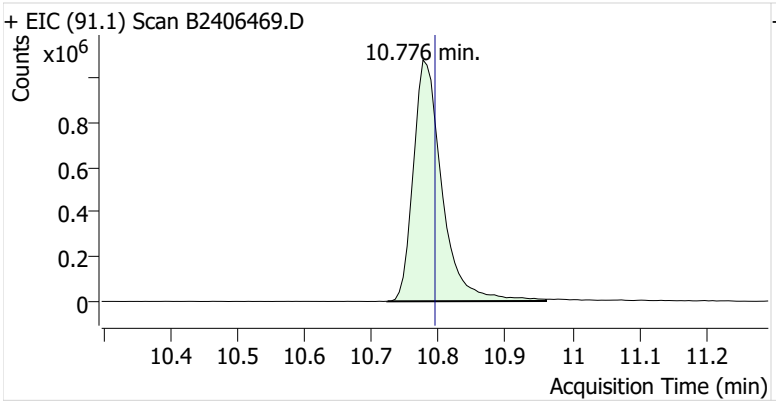


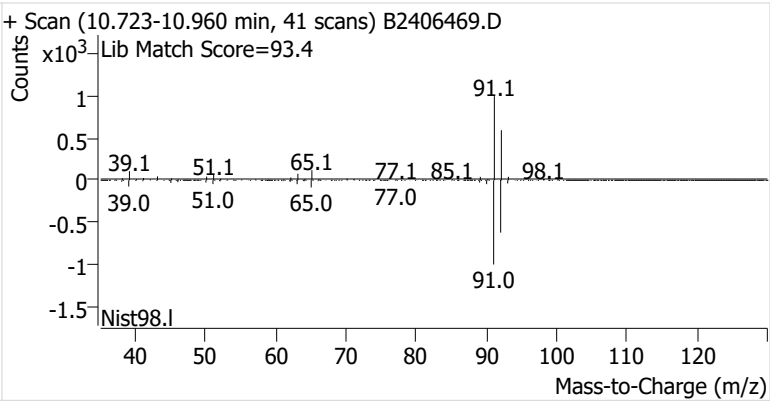
Toluene-d8 (IS)



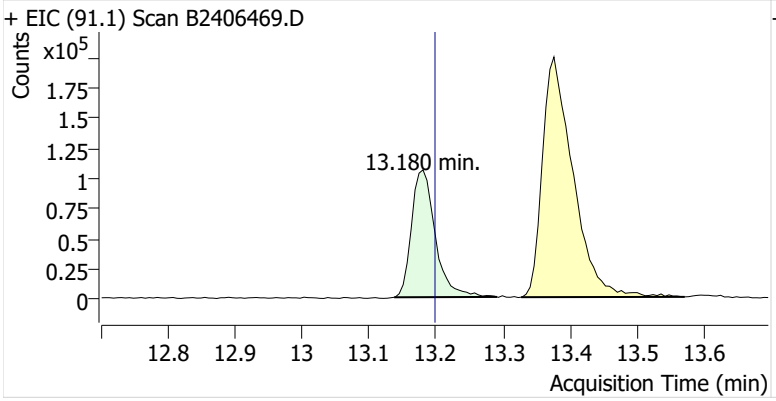


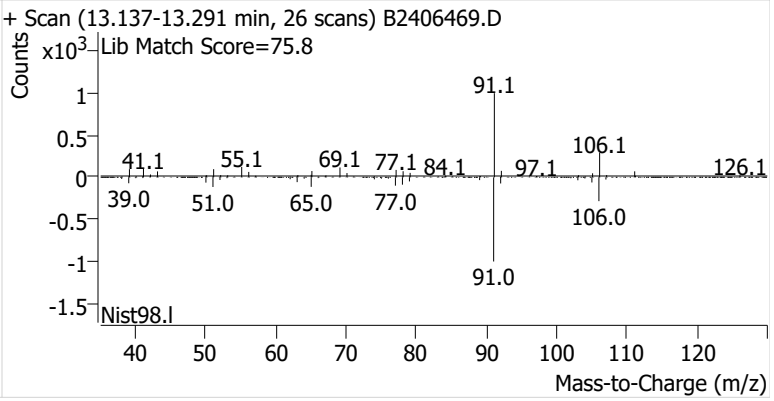
Toluene



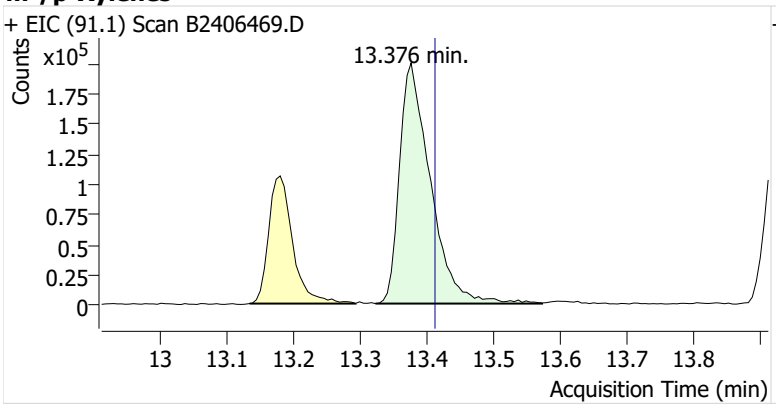


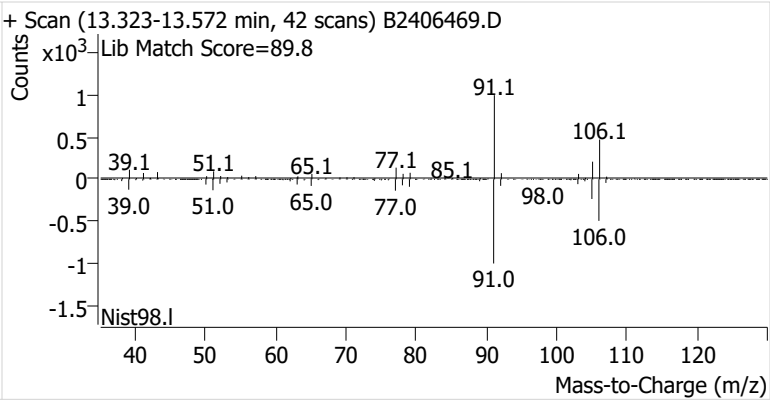
Ethylbenzene



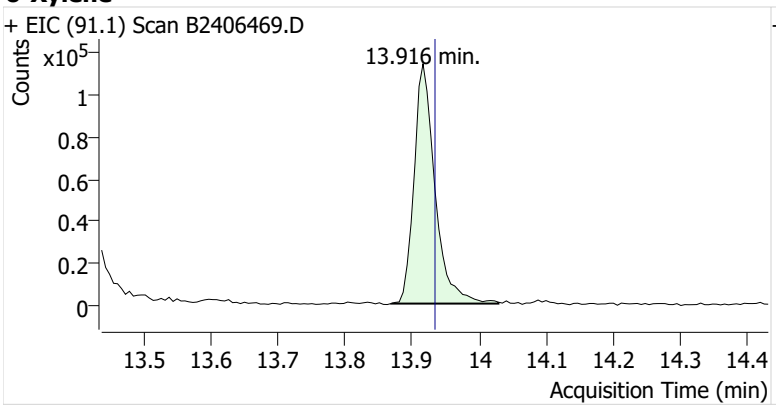


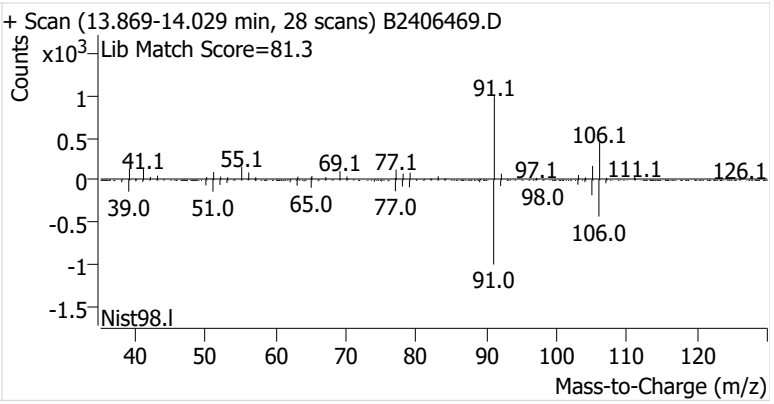
m-/p-Xylenes





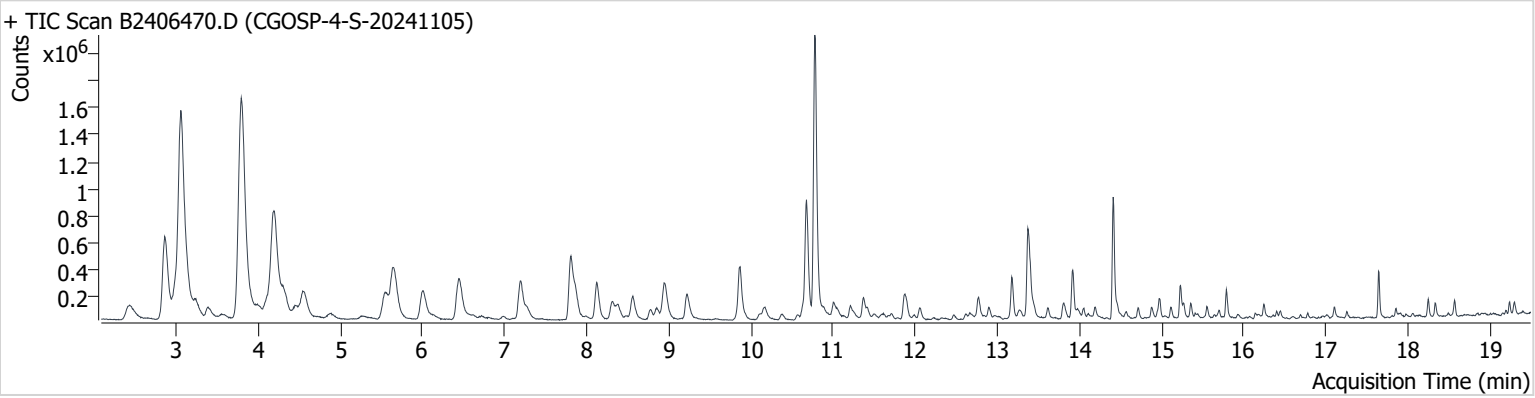
o-Xylene


+ EIC (91.1) Scan B2406469.D
Counts
x10^5
13.916 min.
Acquisition Time (min)


+ Scan (13.869-14.029 min, 28 scans) B2406469.D
Counts
x10^3
Lib Match Score=81.3
Nist98.l
Mass-to-Charge (m/z)

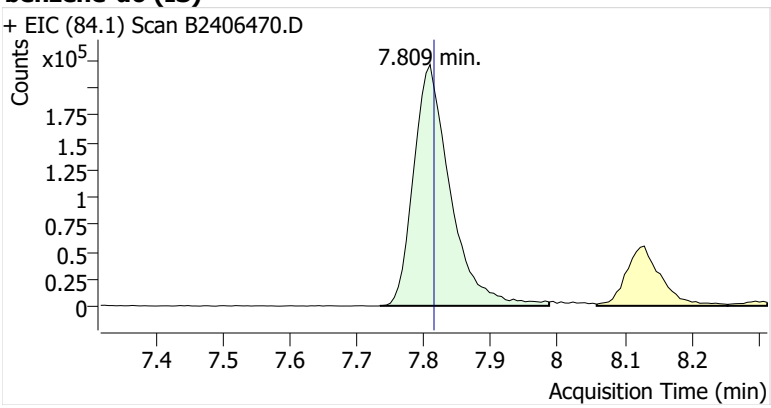
Name	CGOSP-4-S-20241105
Comment	B43057
Data File	B2406470.D
Acq. Date-Time	11/23/2024 9:39:58 PM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

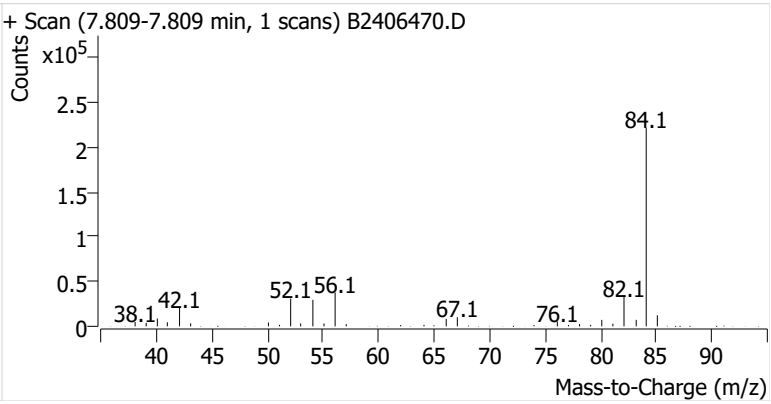
Sample Chromatogram



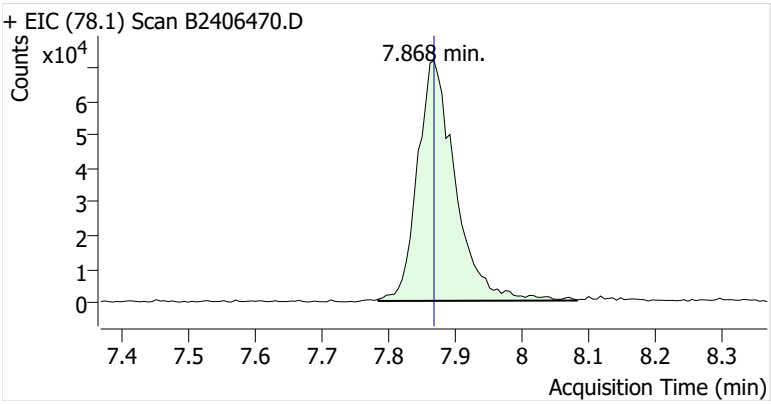
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.809	7.815	842,023	
Benzene	benzene-d6 (IS)	7.868	7.868	284,116	
Toluene-d8 (IS)		10.676	10.693	931,514	
Toluene	Toluene-d8 (IS)	10.777	10.794	2,445,601	
Ethylbenzene	Toluene-d8 (IS)	13.174	13.198	304,374	
m-/p-Xylenes	Toluene-d8 (IS)	13.370	13.412	736,449	
o-Xylene	Toluene-d8 (IS)	13.916	13.934	295,256	

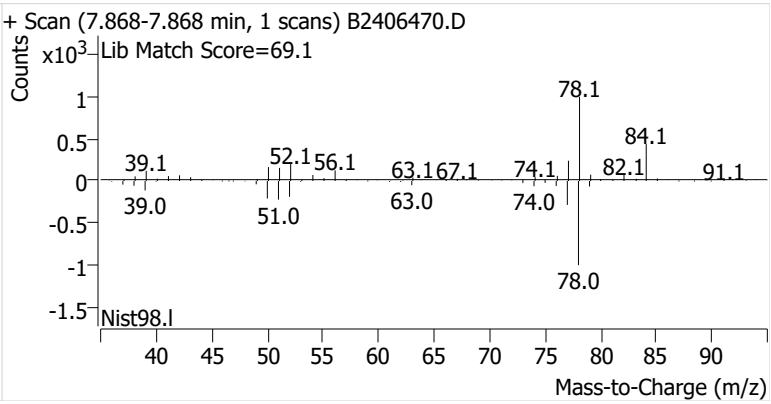
benzene-d6 (IS)



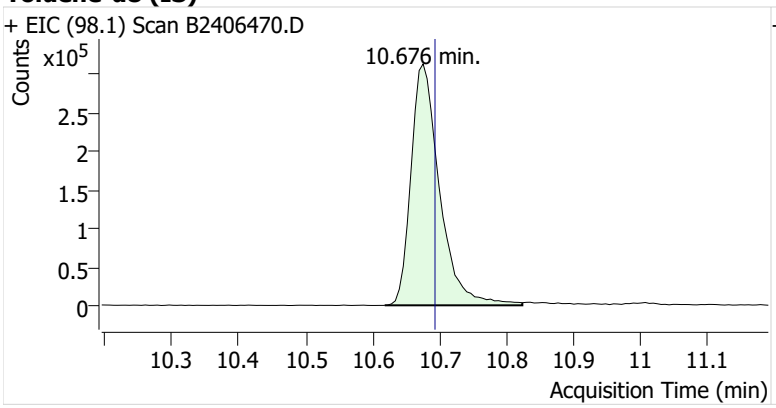


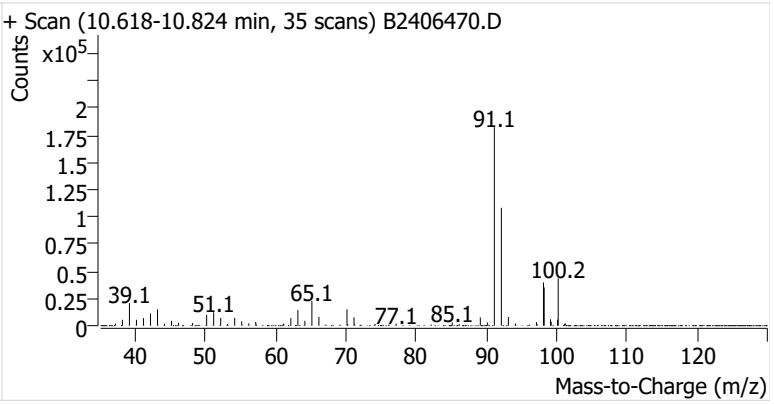
Benzene



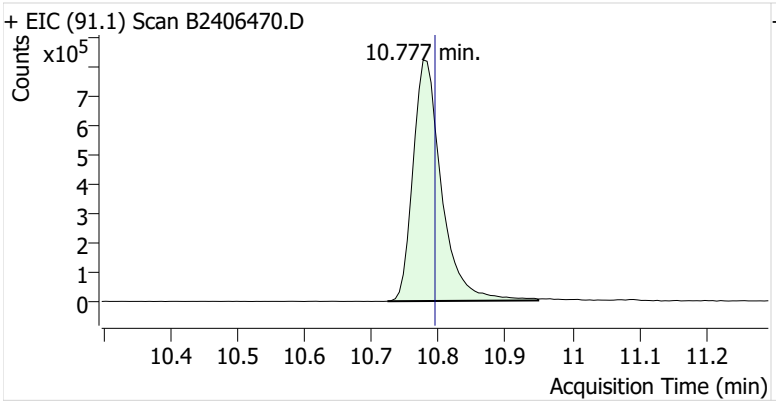


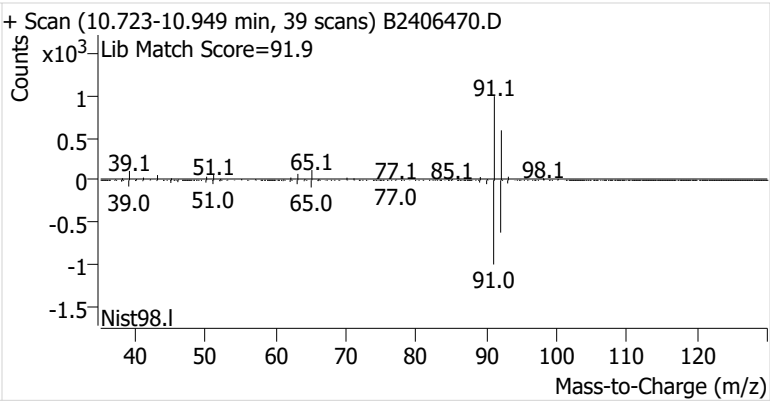
Toluene-d8 (IS)



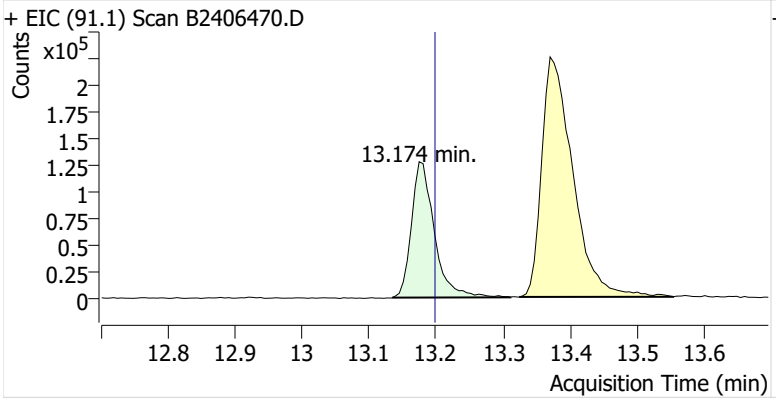


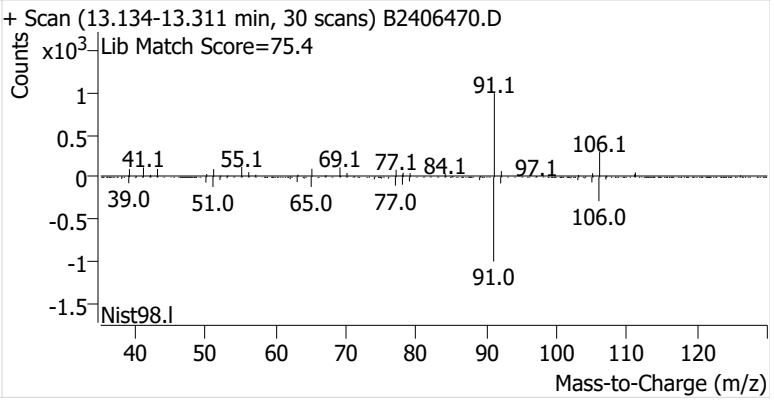
Toluene



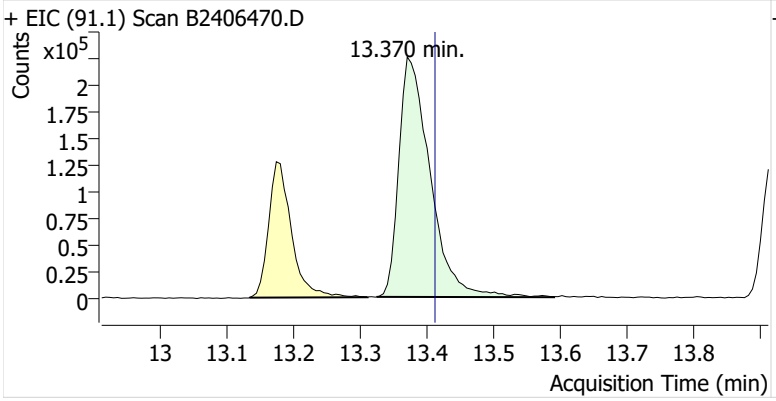


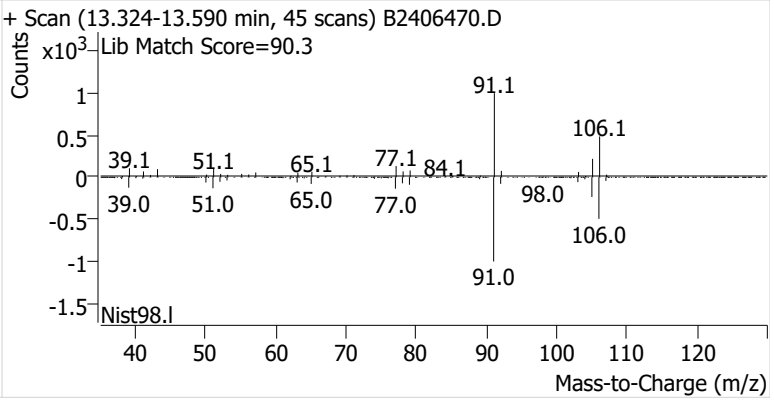
Ethylbenzene



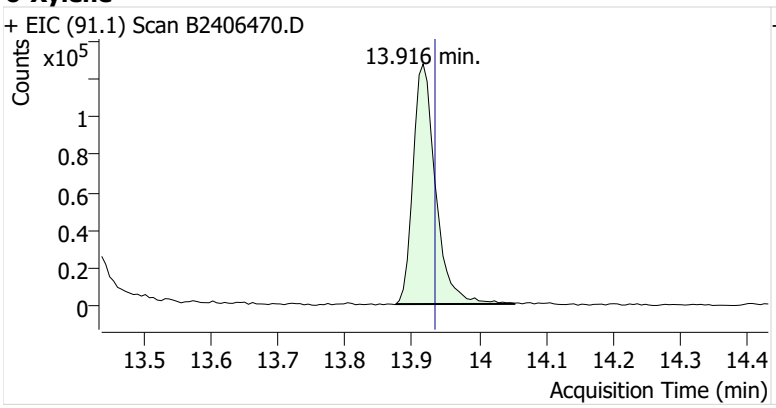


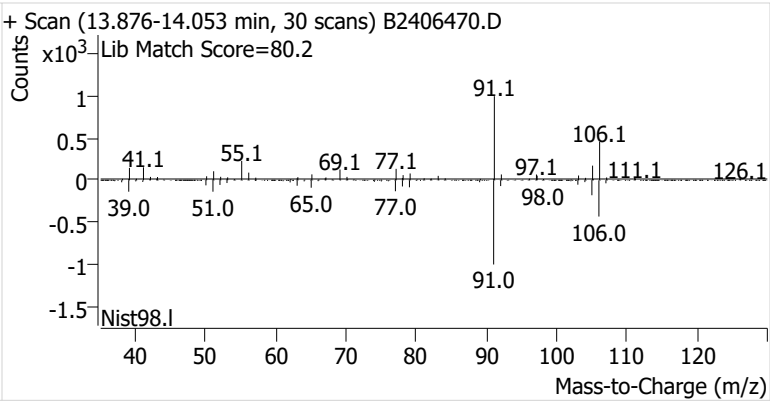
m-/p-Xylenes





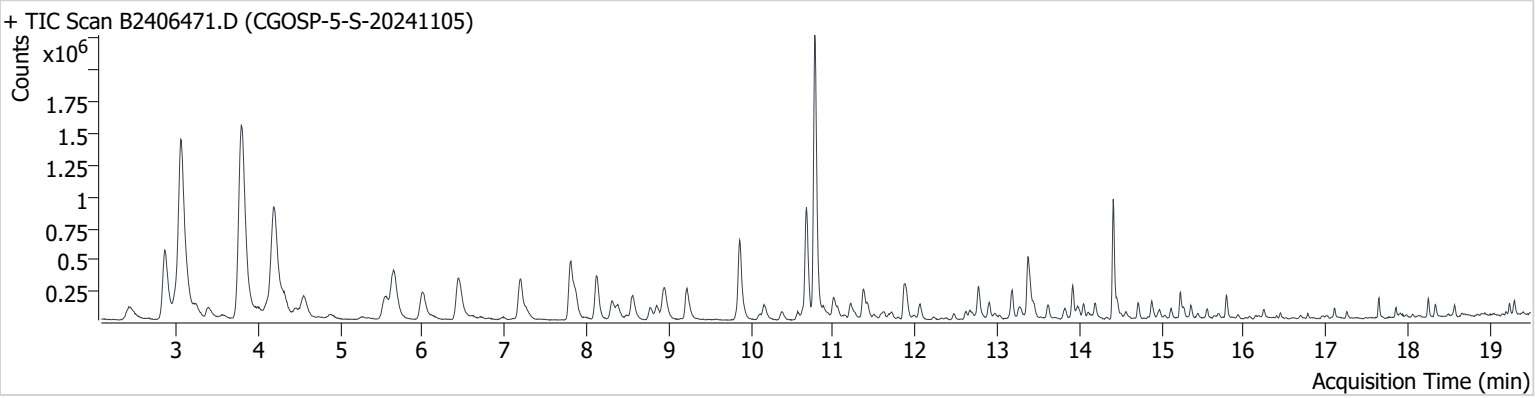
o-Xylene


+ EIC (91.1) Scan B2406470.D
Counts
x10^5
13.916 min.
1
0.8
0.6
0.4
0.2
0
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
14.4
Acquisition Time (min)


+ Scan (13.876-14.053 min, 30 scans) B2406470.D
Counts
x10^3
Lib Match Score=80.2
91.1
106.1
41.1
55.1
69.1
77.1
97.1
111.1
126.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

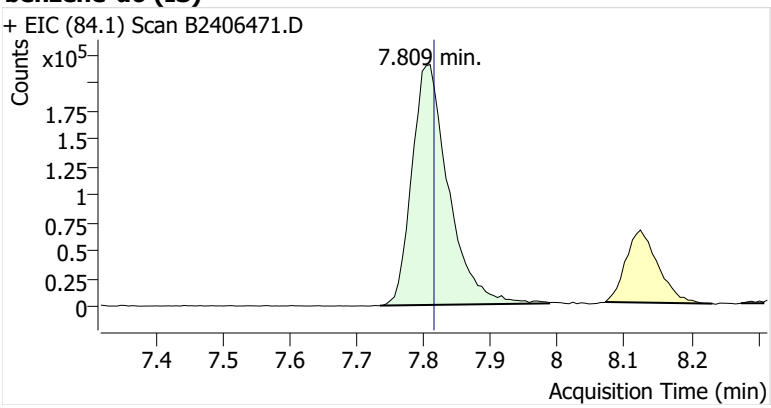
Name	CGOSP-5-S-20241105
Comment	B52822
Data File	B2406471.D
Acq. Date-Time	11/23/2024 10:17:18 PM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

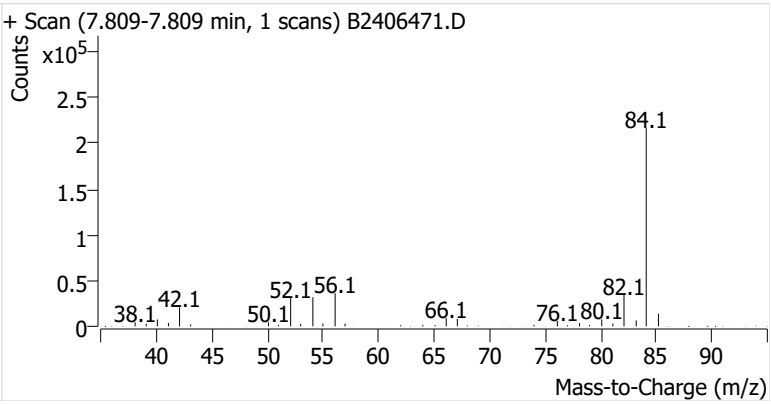
Sample Chromatogram



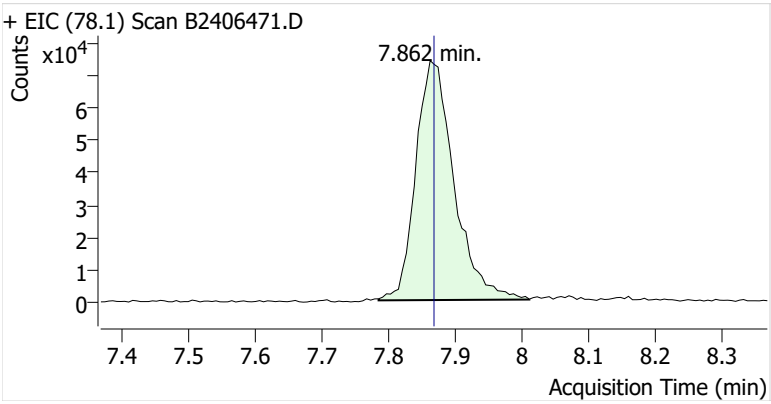
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.809	7.815	820,469	
Benzene	benzene-d6 (IS)	7.862	7.868	293,839	
Toluene-d8 (IS)		10.676	10.693	932,293	
Toluene	Toluene-d8 (IS)	10.777	10.794	2,566,482	
Ethylbenzene	Toluene-d8 (IS)	13.181	13.198	209,887	
m-/p-Xylenes	Toluene-d8 (IS)	13.370	13.412	521,029	
o-Xylene	Toluene-d8 (IS)	13.917	13.934	191,919	

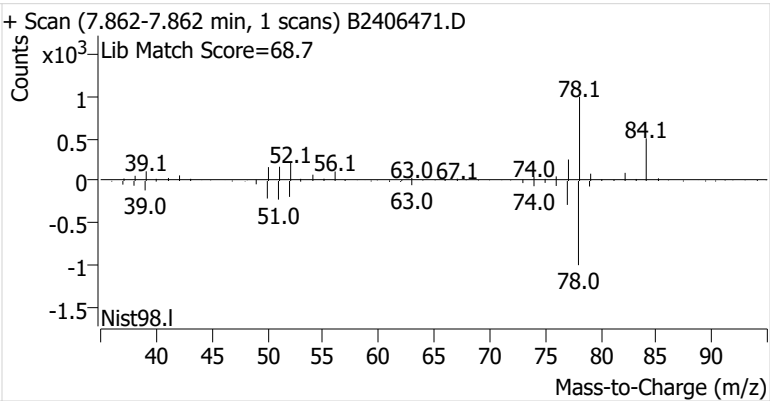
benzene-d6 (IS)



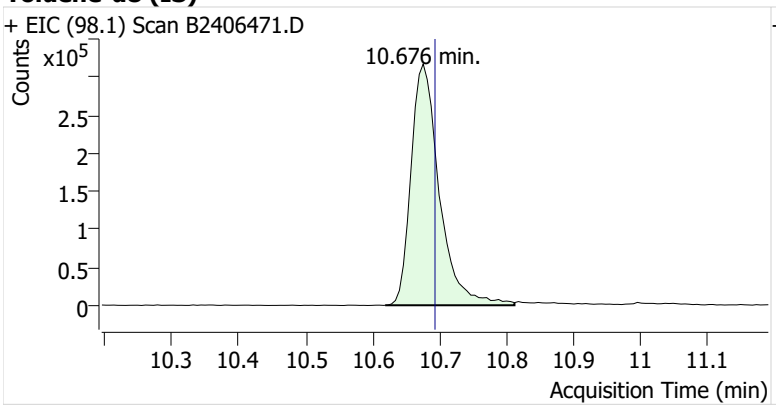


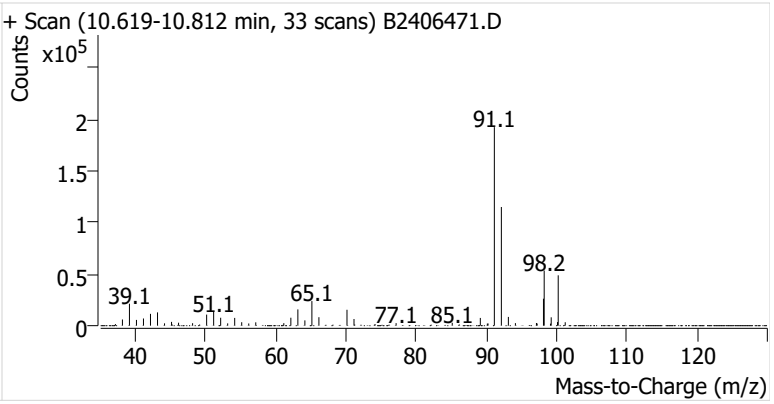
Benzene



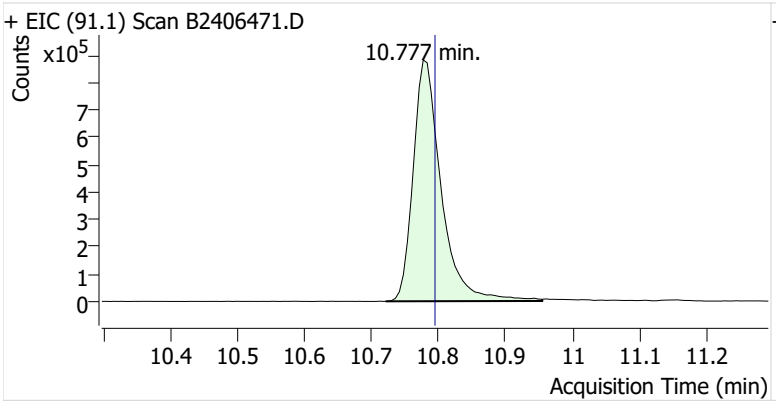


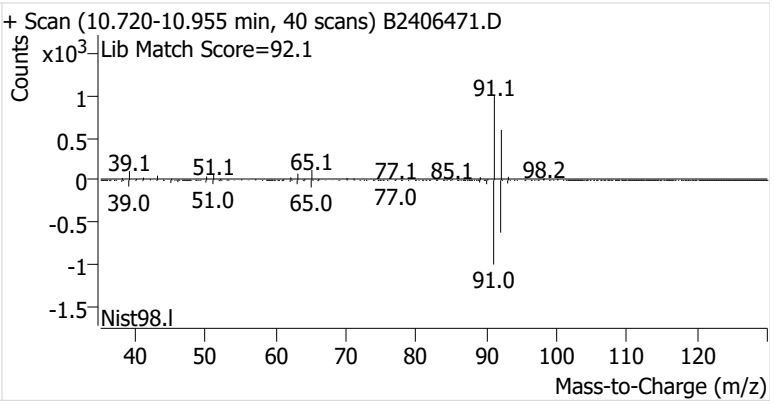
Toluene-d8 (IS)



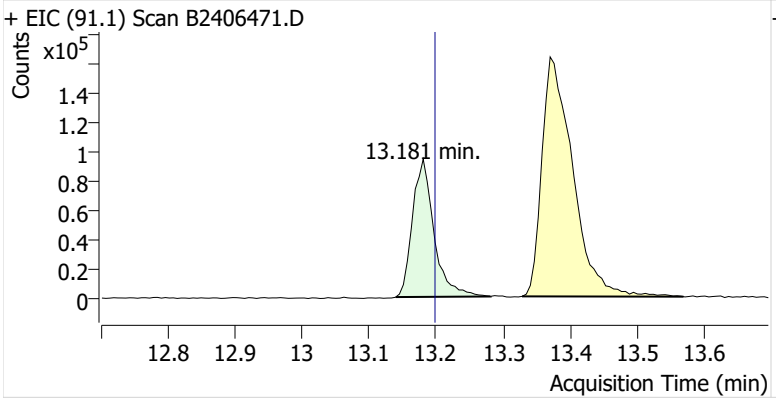


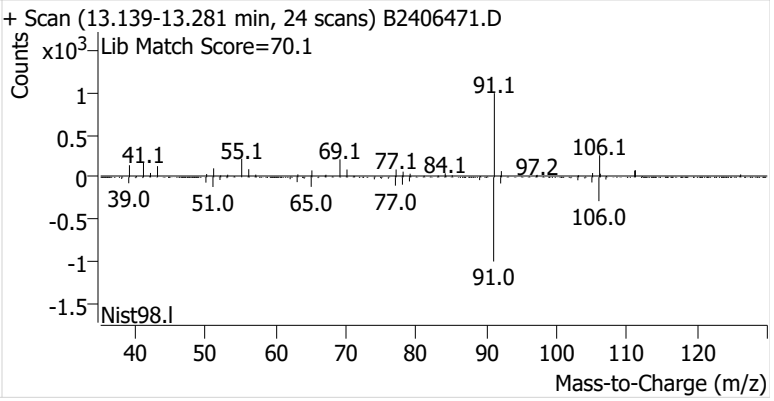
Toluene



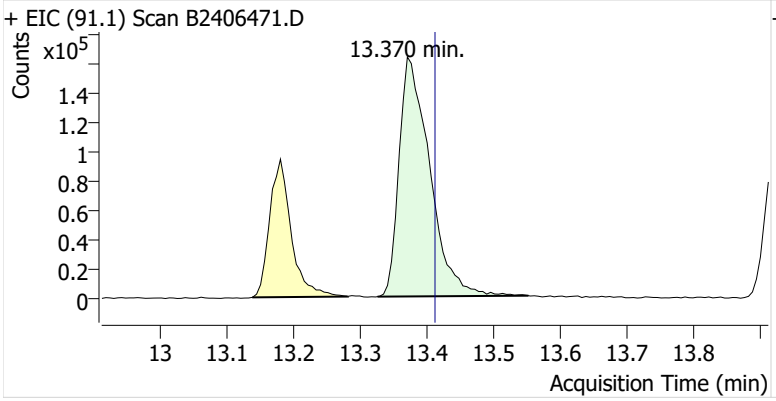


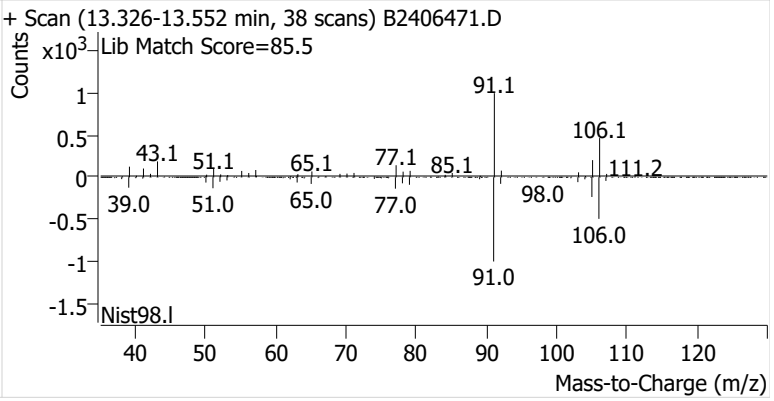
Ethylbenzene



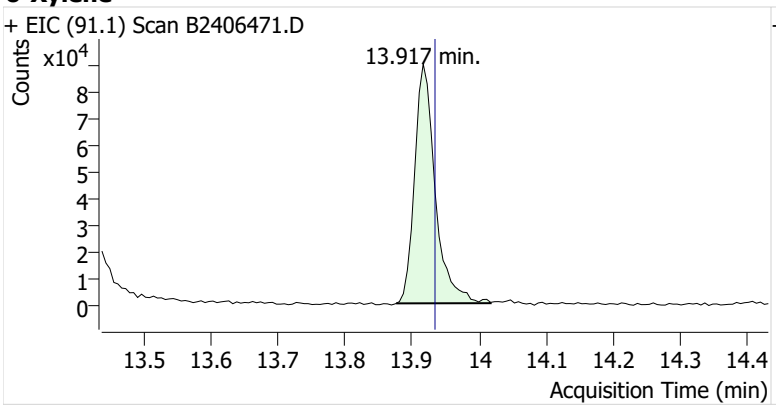


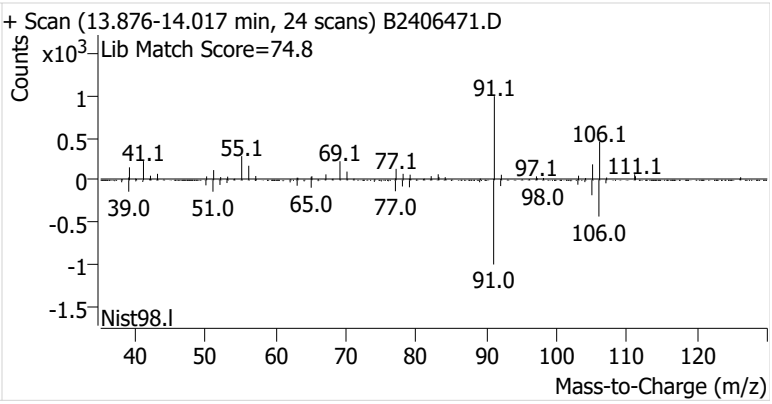
m-/p-Xylenes





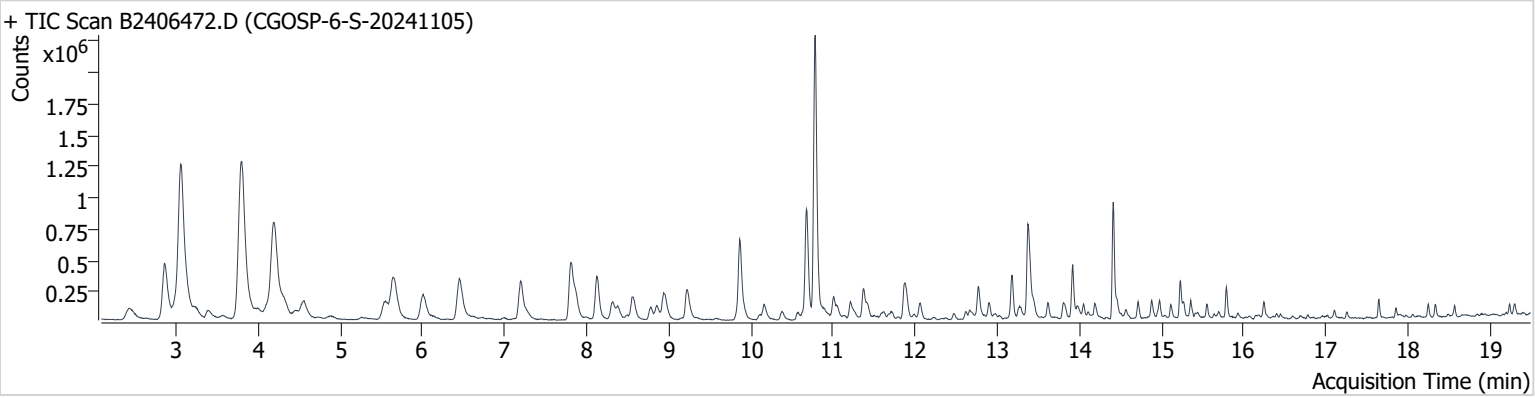
o-Xylene


+ EIC (91.1) Scan B2406471.D
Counts
x10^4
13.917 min.
Acquisition Time (min)


+ Scan (13.876-14.017 min, 24 scans) B2406471.D
Counts
x10^3
Lib Match Score=74.8
91.1
106.1
41.1
55.1
69.1
77.1
97.1
111.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
Mass-to-Charge (m/z)

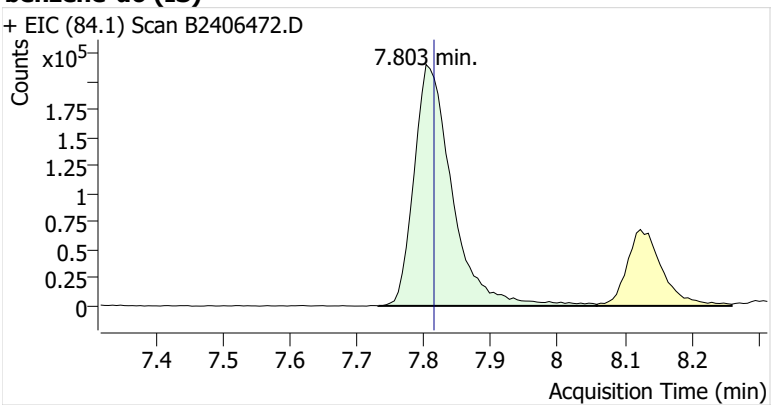
Name	CGOSP-6-S-20241105
Comment	B31388
Data File	B2406472.D
Acq. Date-Time	11/23/2024 10:54:38 PM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

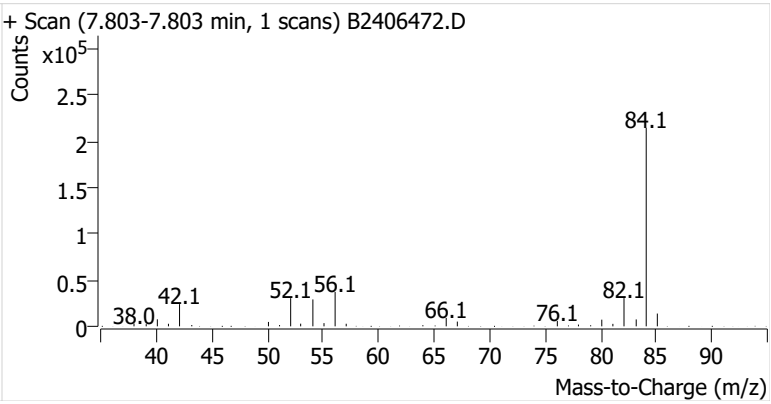
Sample Chromatogram



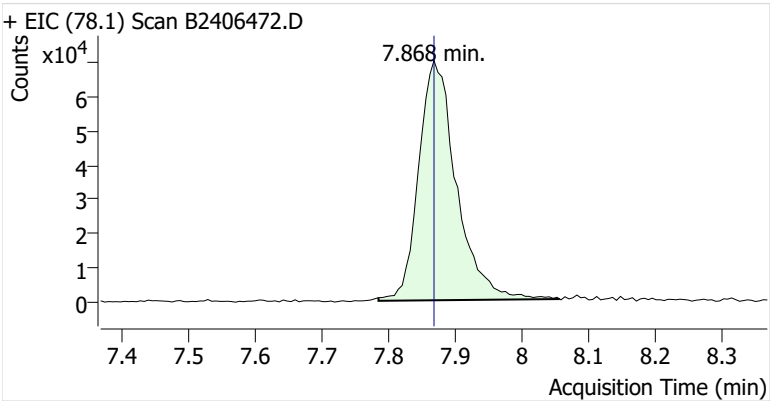
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.803	7.815	850,495	
Benzene	benzene-d6 (IS)	7.868	7.868	274,093	
Toluene-d8 (IS)		10.682	10.693	937,648	
Toluene	Toluene-d8 (IS)	10.783	10.794	2,656,301	
Ethylbenzene	Toluene-d8 (IS)	13.180	13.198	343,295	
m-/p-Xylenes	Toluene-d8 (IS)	13.376	13.412	822,702	
o-Xylene	Toluene-d8 (IS)	13.916	13.934	322,210	

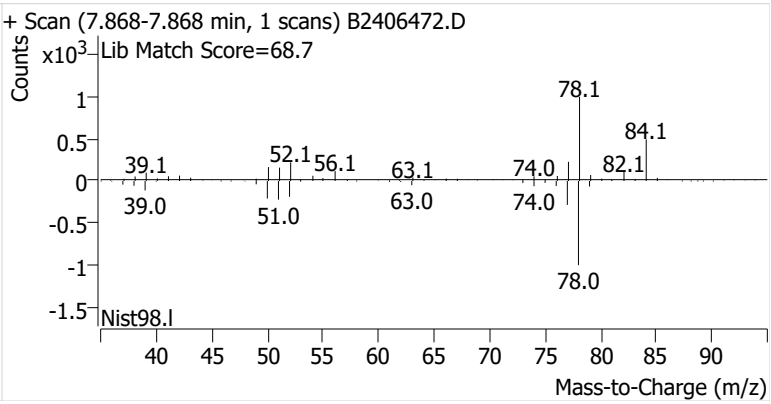
benzene-d6 (IS)



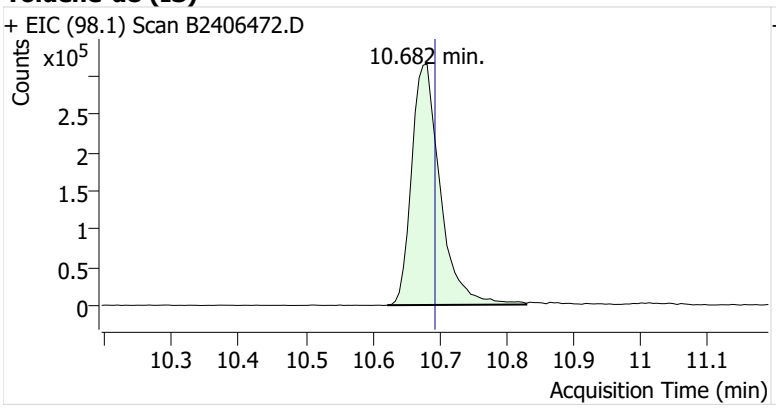


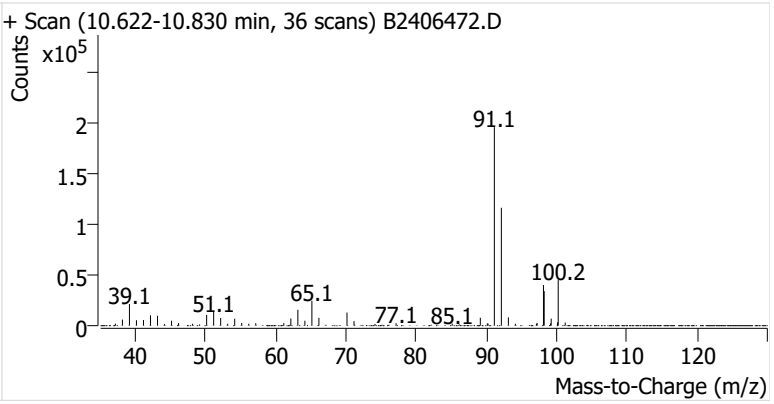
Benzene



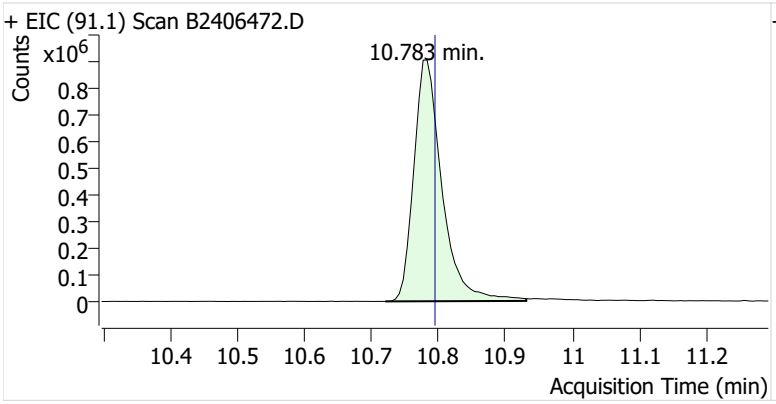


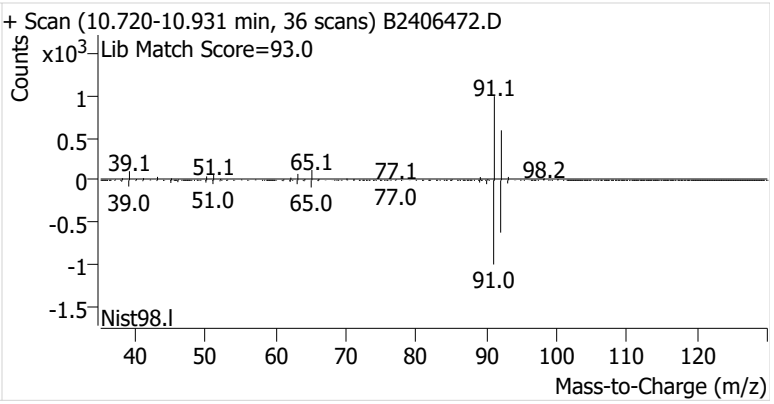
Toluene-d8 (IS)



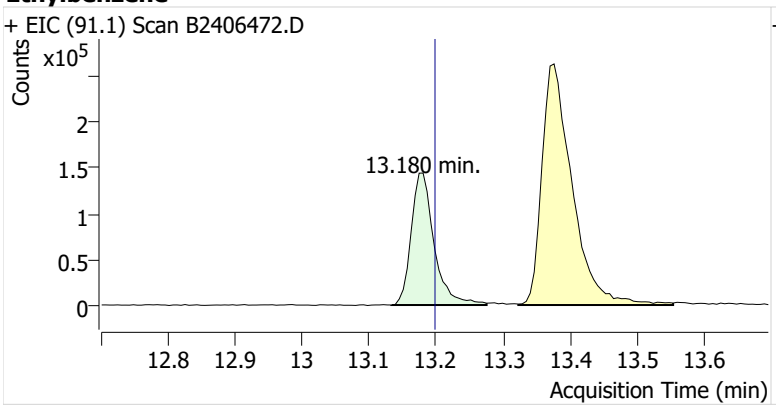


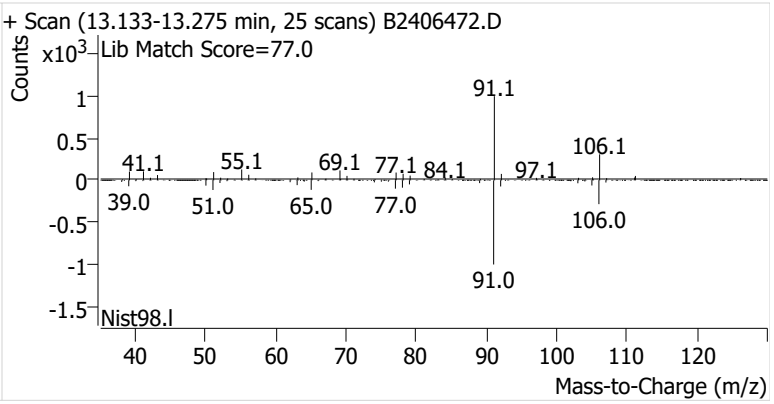
Toluene



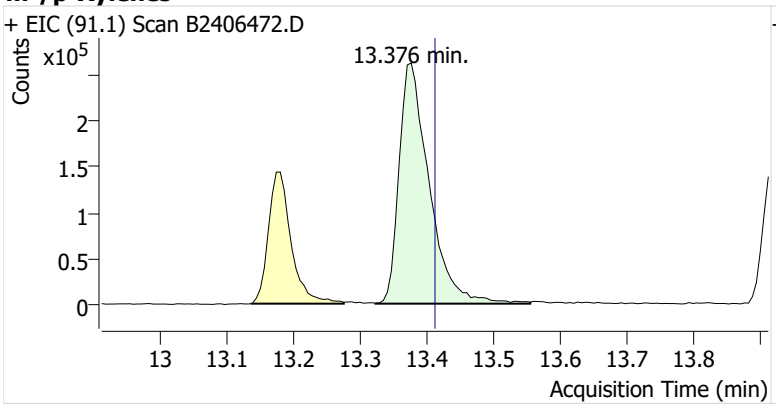


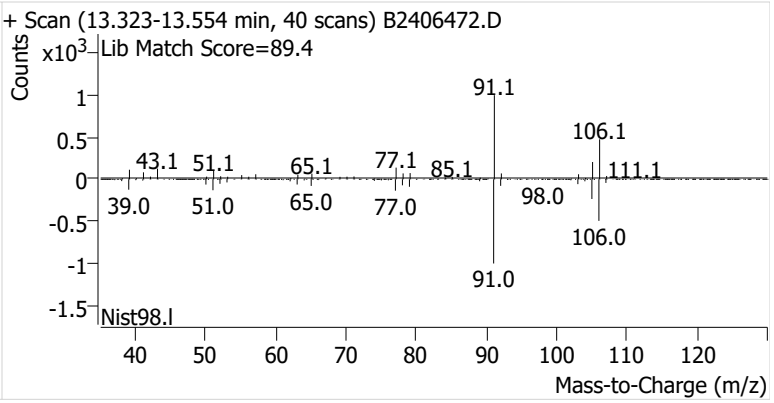
Ethylbenzene



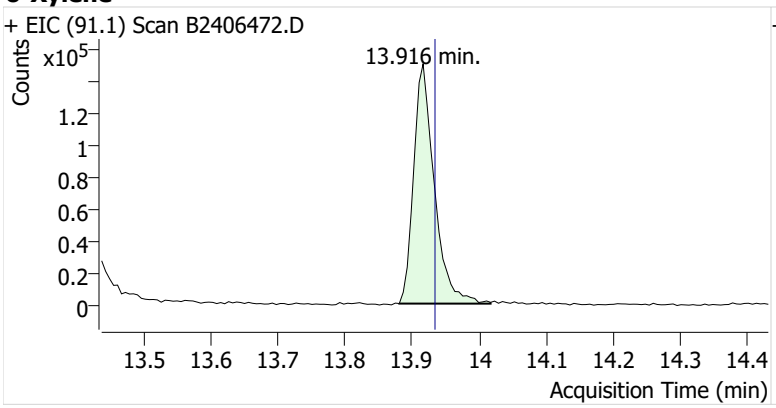


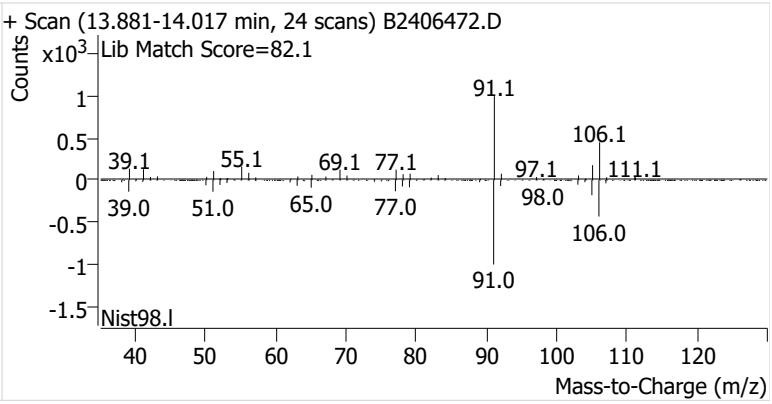
m-/p-Xylenes





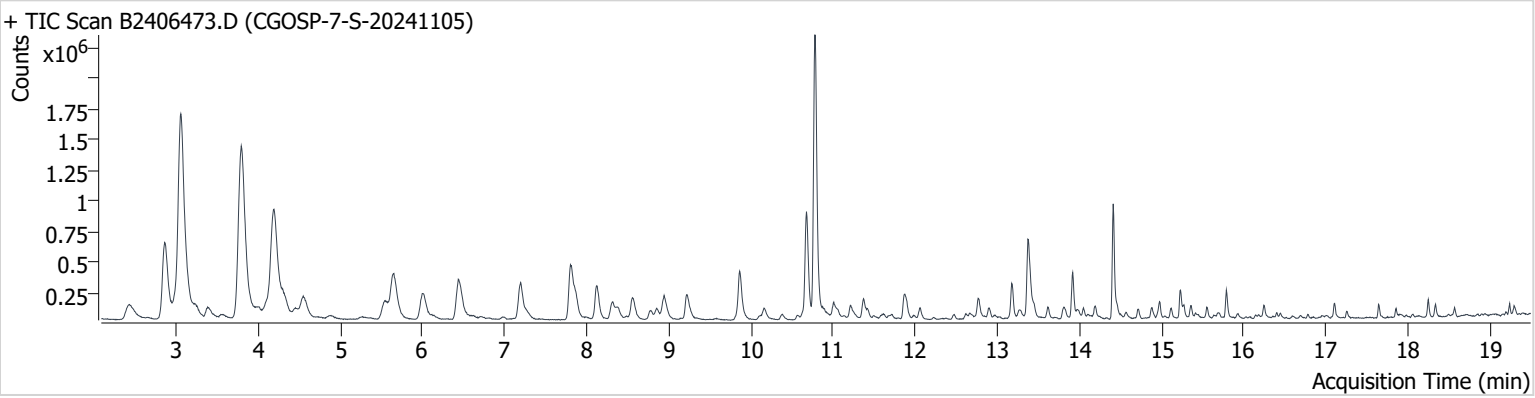
o-Xylene


+ EIC (91.1) Scan B2406472.D
Counts
x10^5
13.916 min.
1.2
1
0.8
0.6
0.4
0.2
0
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)


+ Scan (13.881-14.017 min, 24 scans) B2406472.D
Counts
x10^3
Lib Match Score=82.1
91.1
106.1
39.1
55.1
69.1
77.1
97.1
111.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

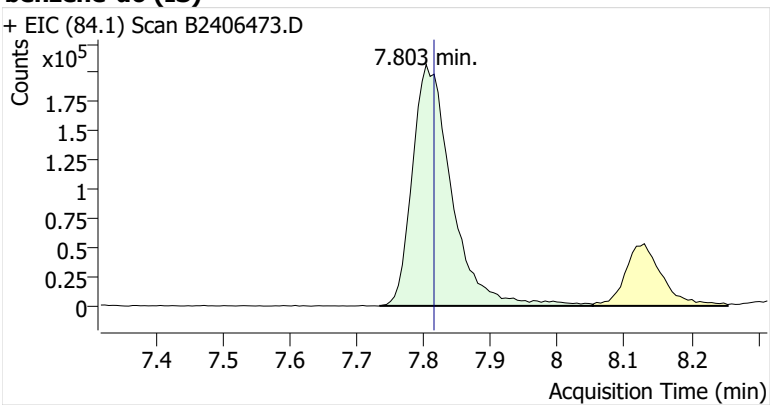
Name	CGOSP-7-S-20241105
Comment	B20281
Data File	B2406473.D
Acq. Date-Time	11/23/2024 11:32:02 PM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

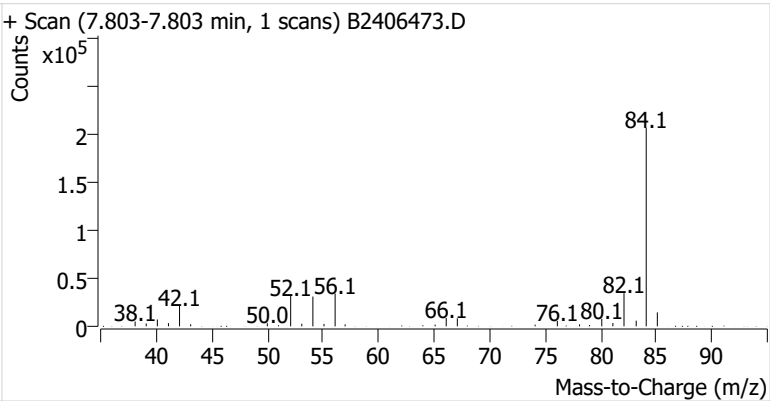
Sample Chromatogram



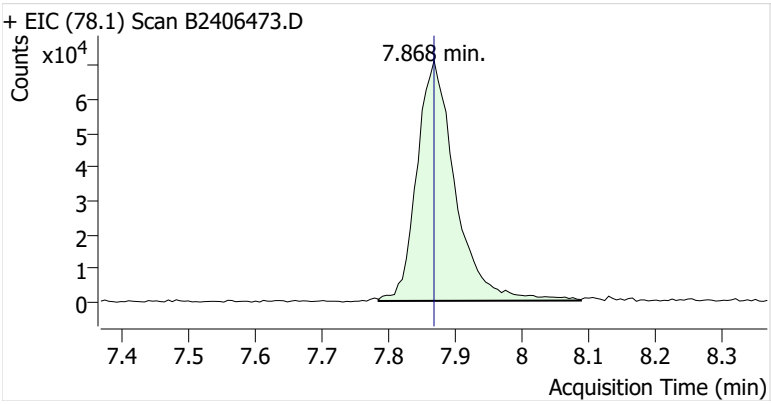
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.803	7.815	847,566	
Benzene	benzene-d6 (IS)	7.868	7.868	284,523	
Toluene-d8 (IS)		10.676	10.693	917,749	
Toluene	Toluene-d8 (IS)	10.783	10.794	2,785,900	
Ethylbenzene	Toluene-d8 (IS)	13.175	13.198	288,891	
m-/p-Xylenes	Toluene-d8 (IS)	13.376	13.412	685,867	
o-Xylene	Toluene-d8 (IS)	13.917	13.934	282,498	

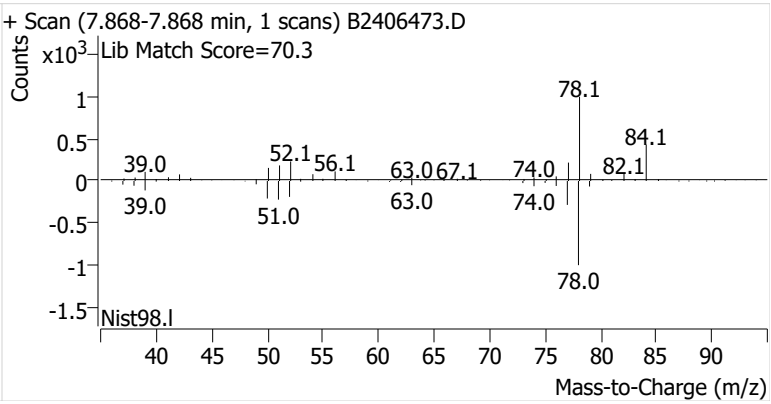
benzene-d6 (IS)



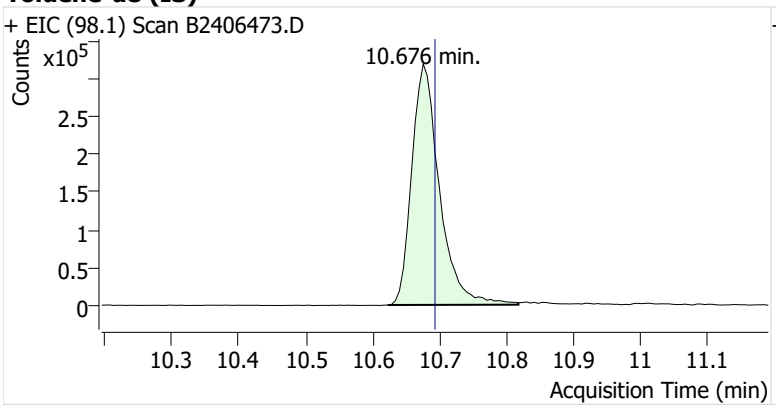


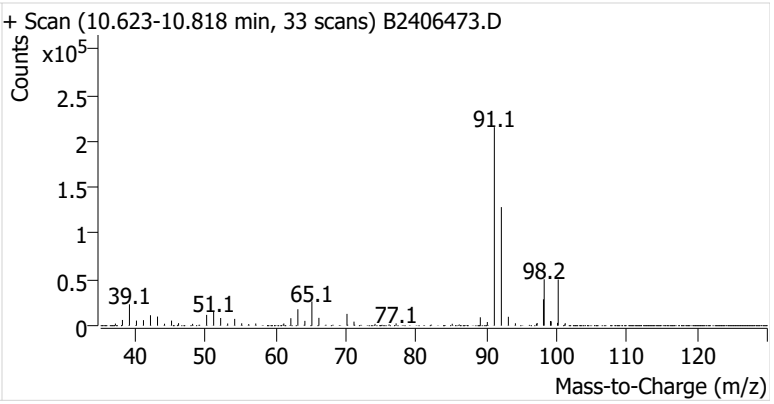
Benzene



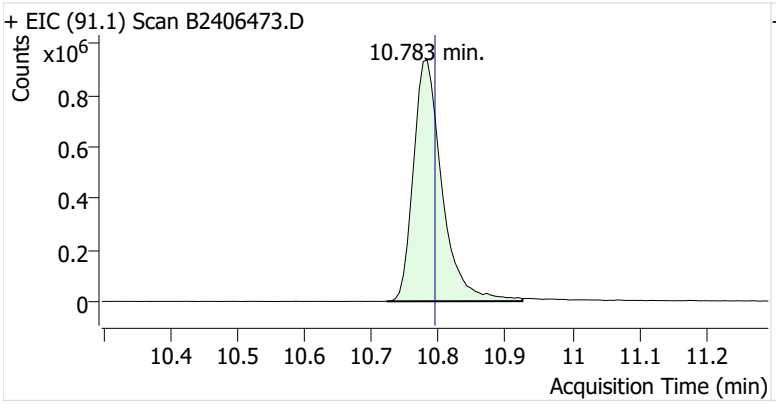


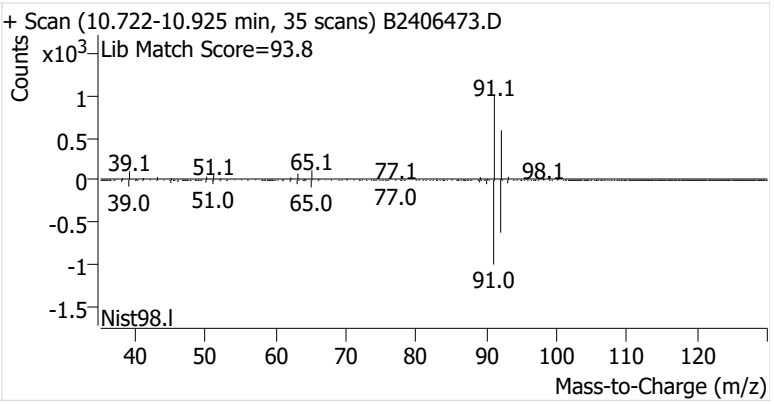
Toluene-d8 (IS)



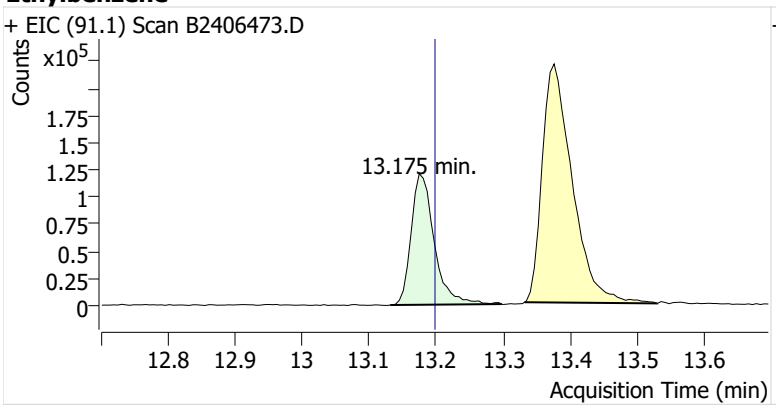


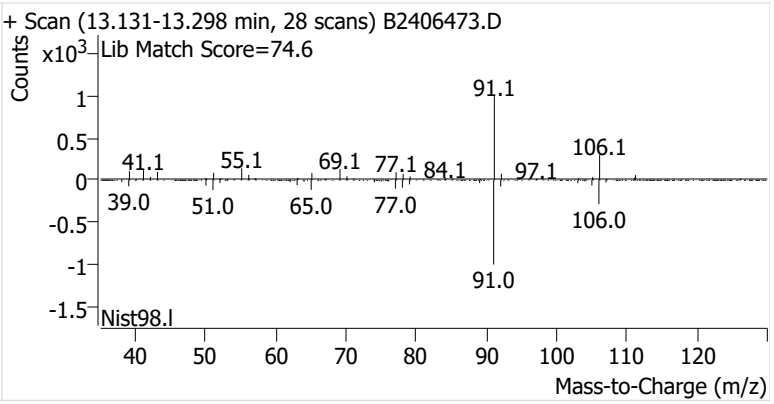
Toluene



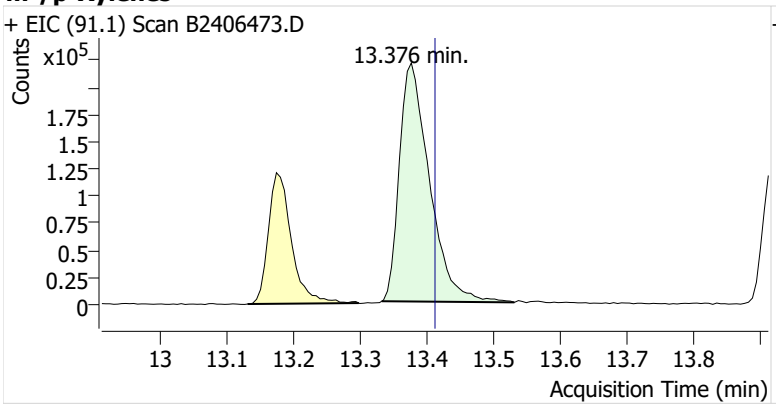


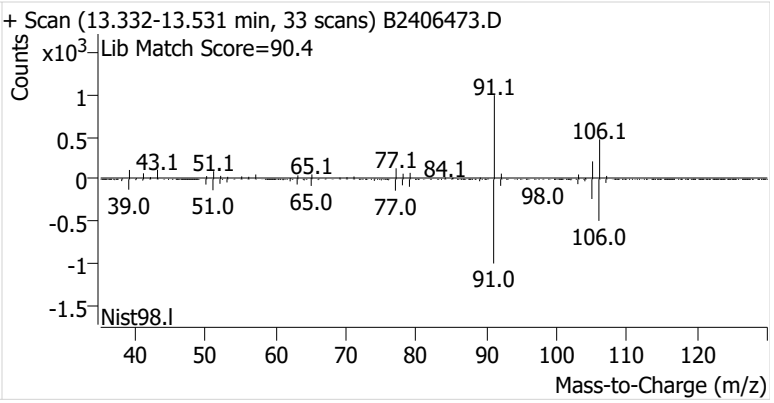
Ethylbenzene



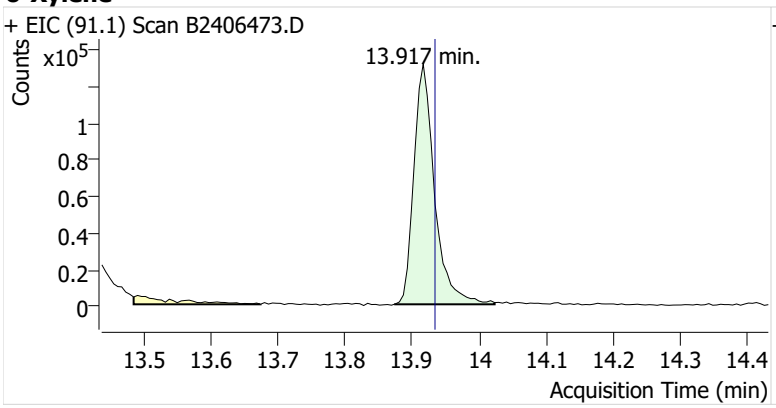


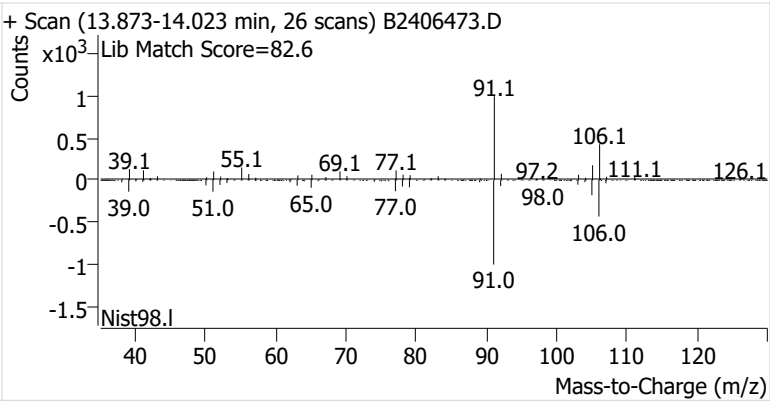
m-/p-Xylenes





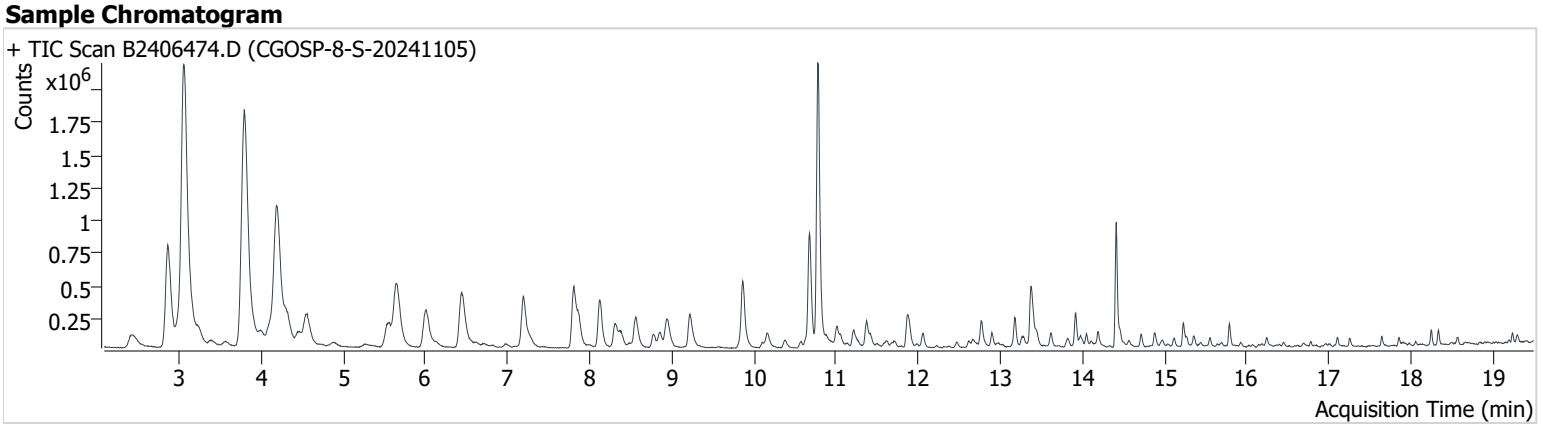
o-Xylene


+ EIC (91.1) Scan B2406473.D
Counts
x10^5
13.917 min.
1
0.8
0.6
0.4
0.2
0
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)


+ Scan (13.873-14.023 min, 26 scans) B2406473.D
Counts
x10^3
Lib Match Score=82.6
91.1
106.1
39.1
55.1
69.1
77.1
97.2
111.1
126.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

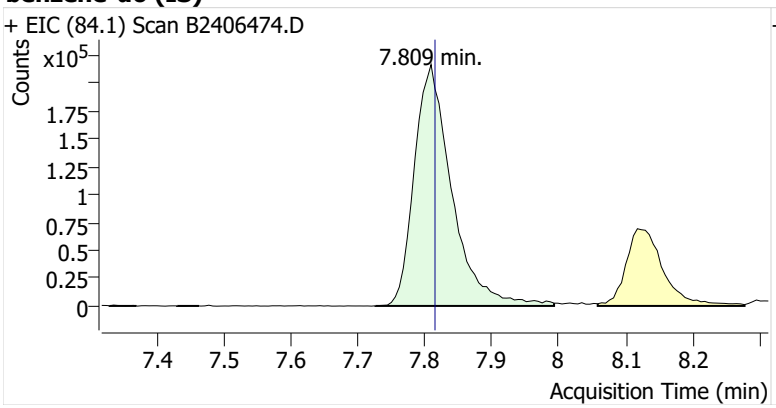
Name	CGOSP-8-S-20241105
Comment	C00593
Data File	B2406474.D
Acq. Date-Time	11/24/2024 12:09:20 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

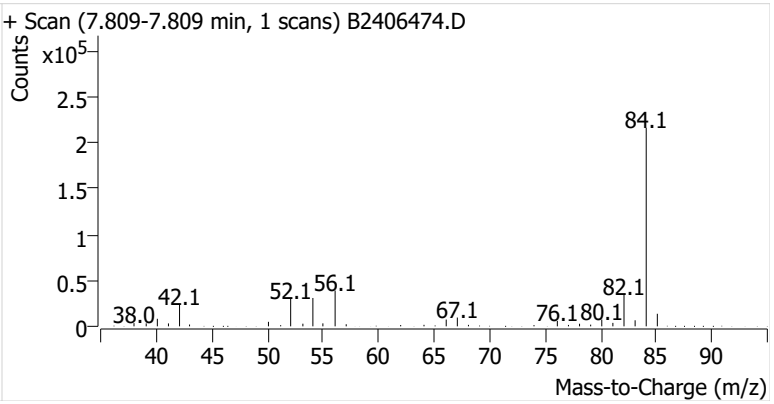
Sample Chromatogram



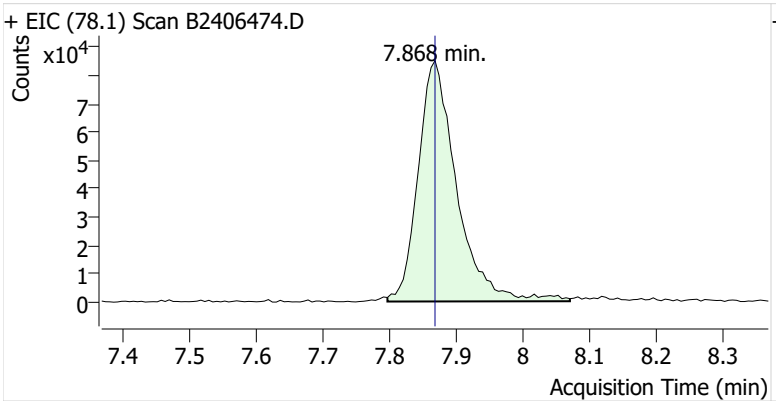
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.809	7.815	842,204	
Benzene	benzene-d6 (IS)	7.868	7.868	340,043	
Toluene-d8 (IS)		10.676	10.693	920,555	
Toluene	Toluene-d8 (IS)	10.777	10.794	2,578,332	
Ethylbenzene	Toluene-d8 (IS)	13.180	13.198	216,145	
m-/p-Xylenes	Toluene-d8 (IS)	13.376	13.412	514,933	
o-Xylene	Toluene-d8 (IS)	13.916	13.934	197,635	

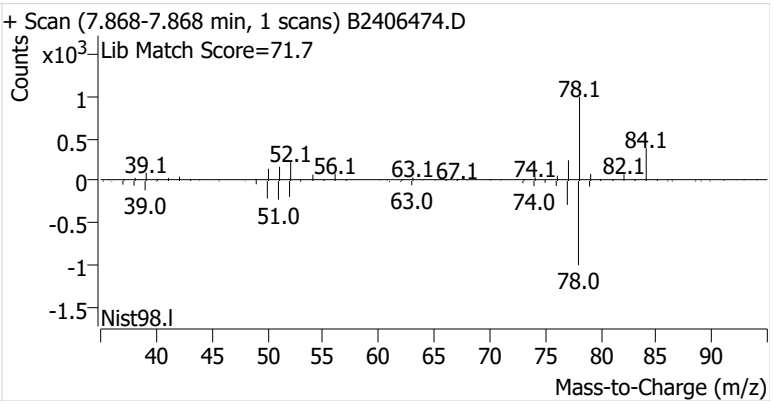
benzene-d6 (IS)



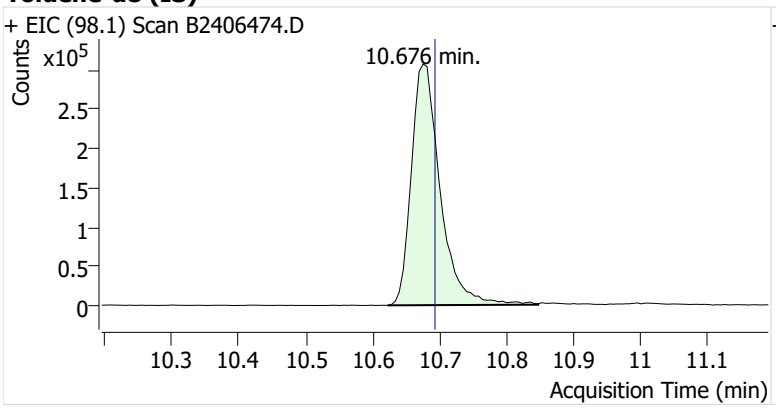


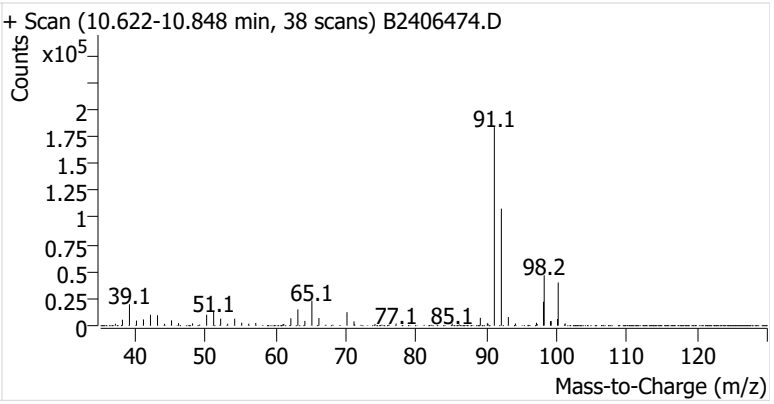
Benzene



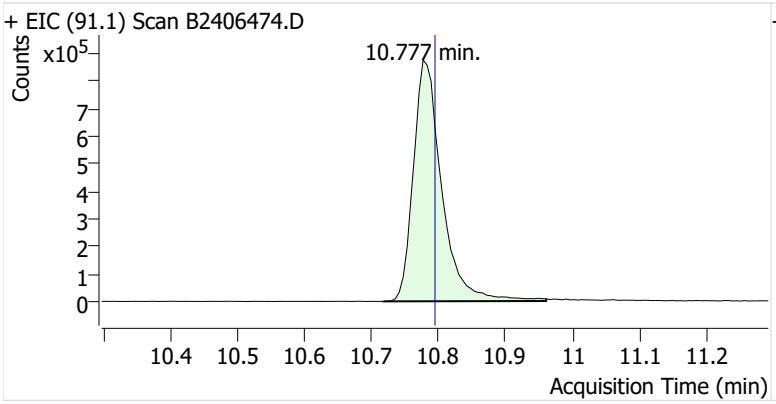


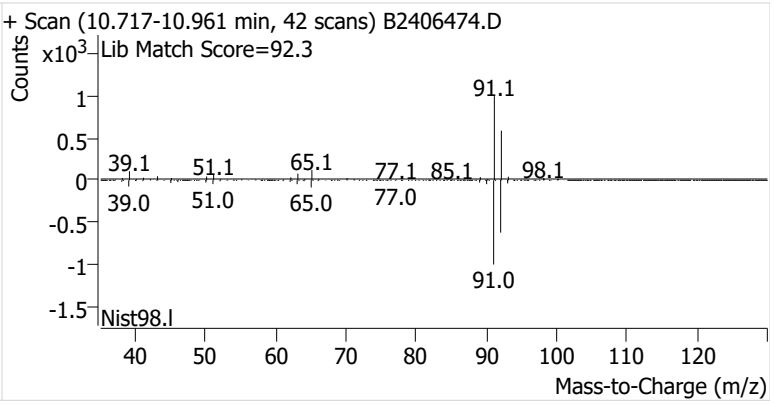
Toluene-d8 (IS)



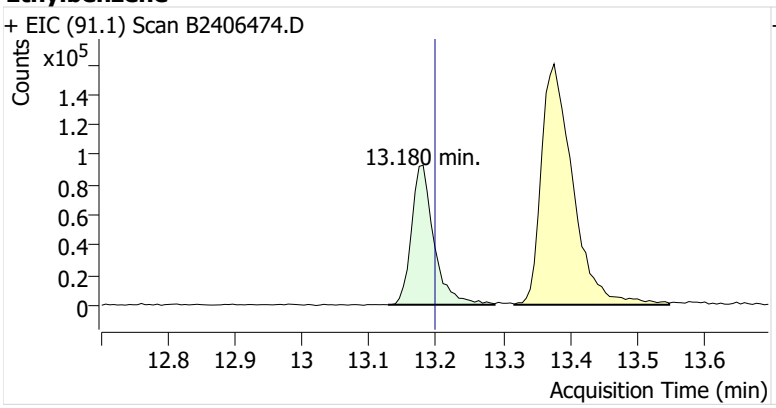


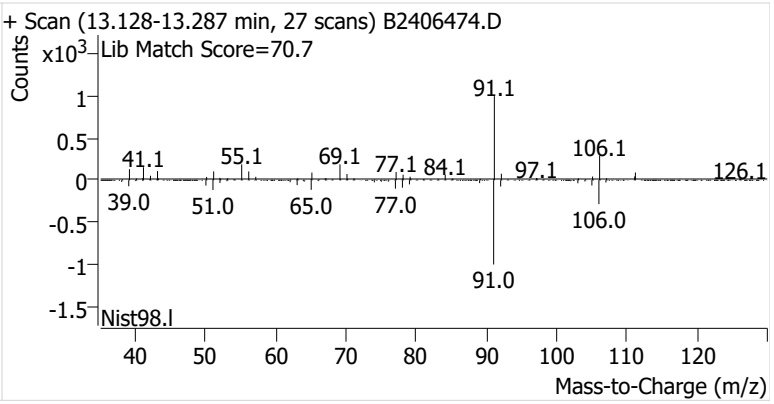
Toluene



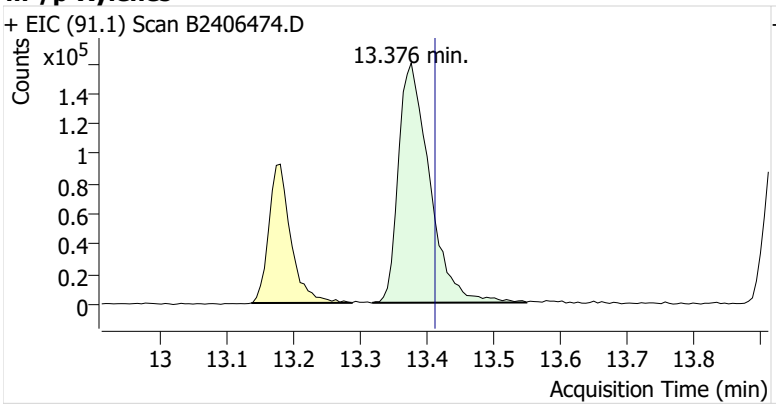


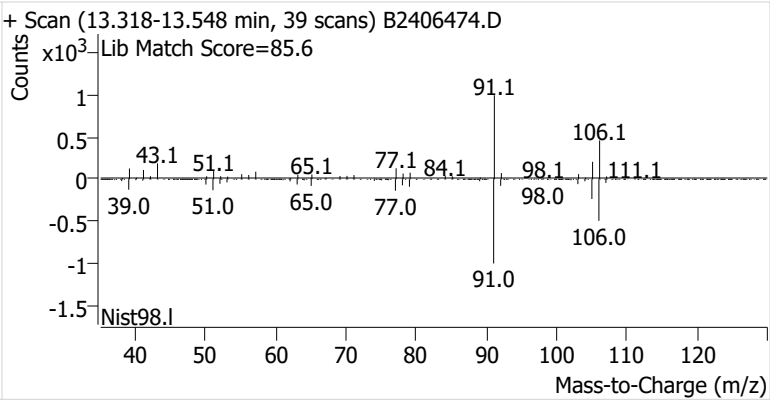
Ethylbenzene



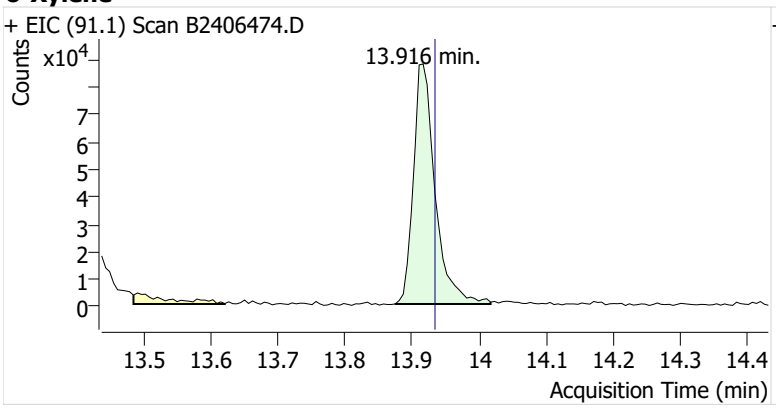


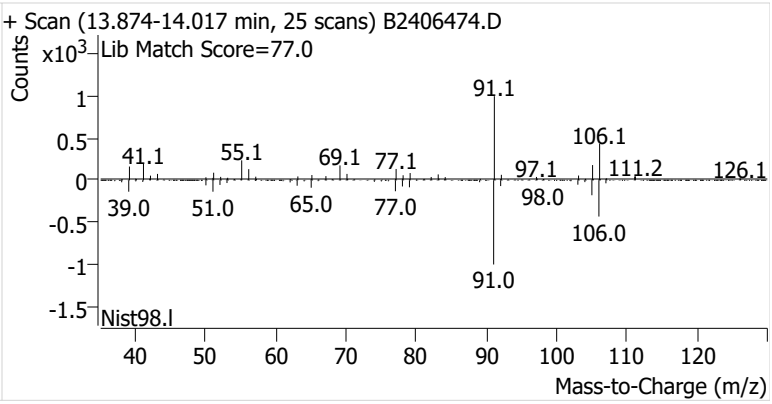
m-/p-Xylenes





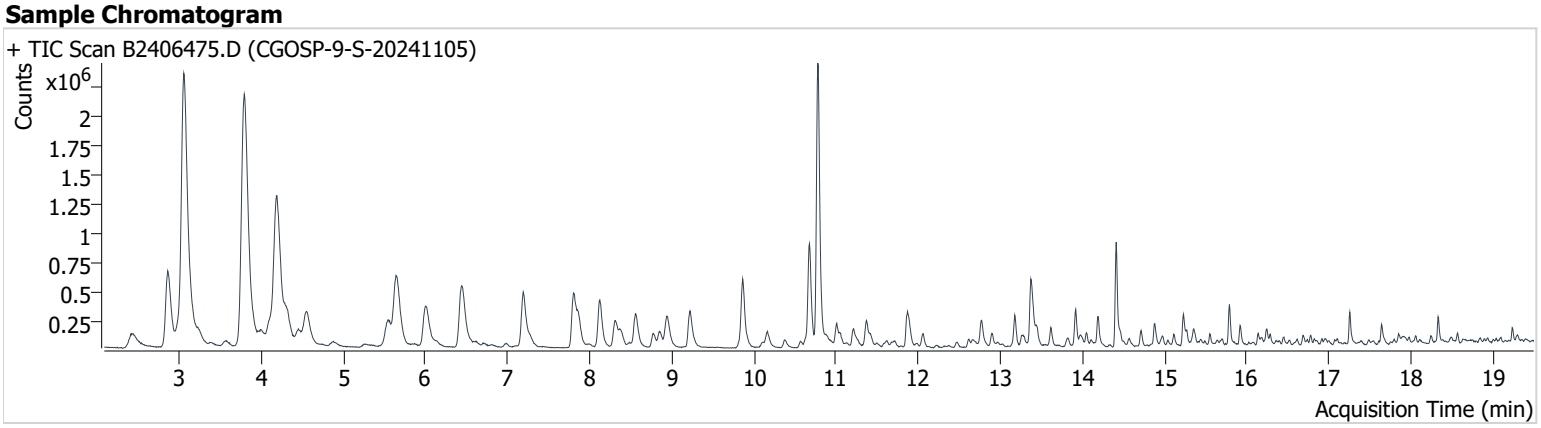
o-Xylene


+ EIC (91.1) Scan B2406474.D
Counts
x10^4
13.916 min.
Acquisition Time (min)


+ Scan (13.874-14.017 min, 25 scans) B2406474.D
Counts
x10^3
Lib Match Score=77.0
91.1
106.1
41.1
55.1
69.1
77.1
97.1
111.2
126.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
Mass-to-Charge (m/z)

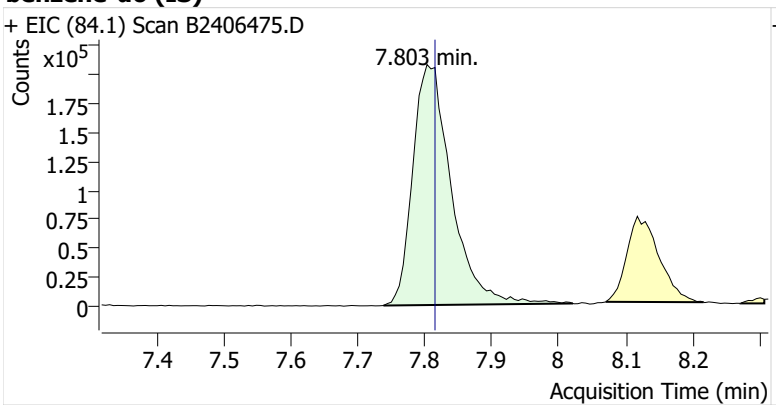
Name	CGOSP-9-S-20241105
Comment	C53701
Data File	B2406475.D
Acq. Date-Time	11/24/2024 12:46:39 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

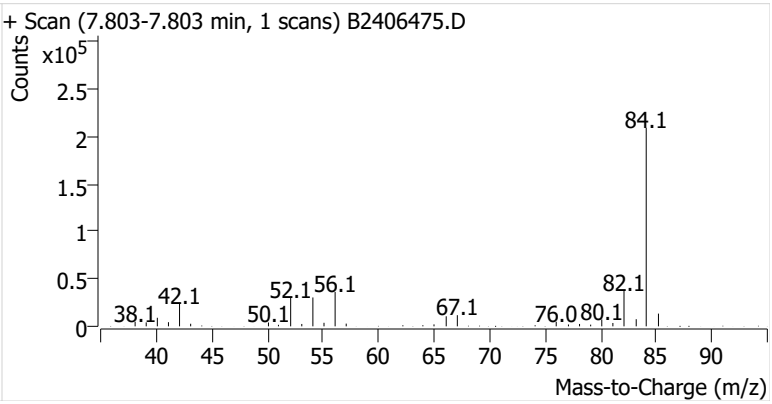
Sample Chromatogram



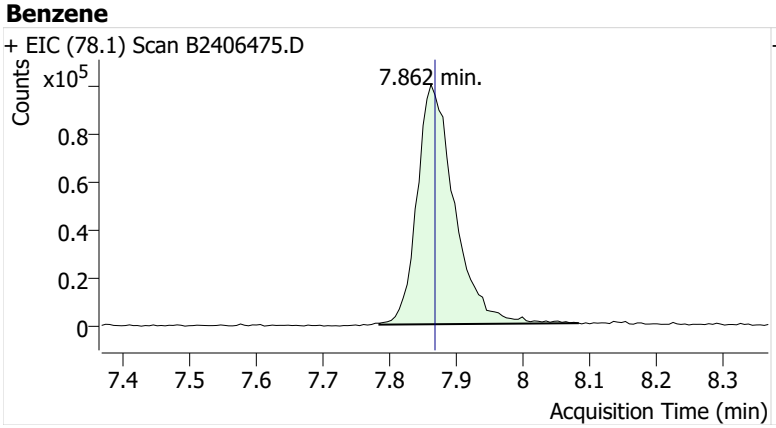
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.803	7.815	833,141	
Benzene	benzene-d6 (IS)	7.862	7.868	390,661	
Toluene-d8 (IS)		10.676	10.693	922,144	
Toluene	Toluene-d8 (IS)	10.782	10.794	2,848,236	
Ethylbenzene	Toluene-d8 (IS)	13.174	13.198	252,332	
m-/p-Xylenes	Toluene-d8 (IS)	13.370	13.412	626,426	
o-Xylene	Toluene-d8 (IS)	13.916	13.934	233,631	

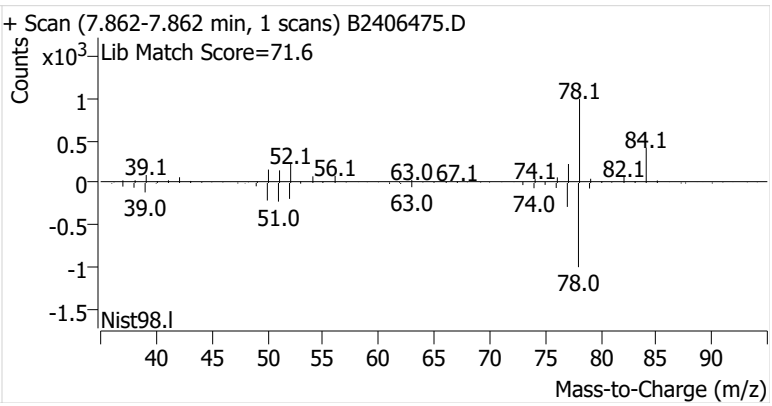
benzene-d6 (IS)



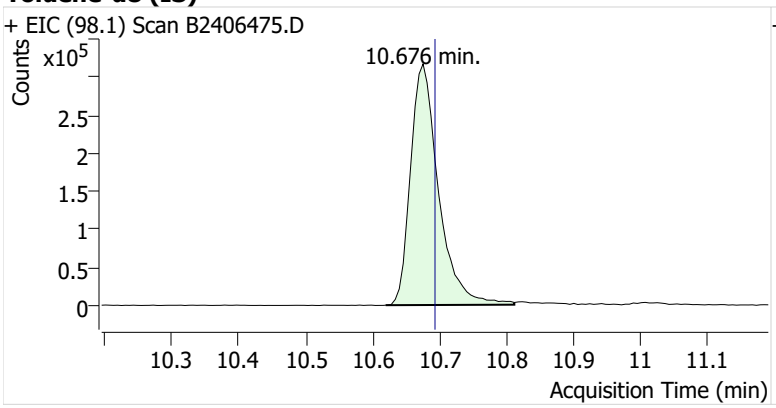


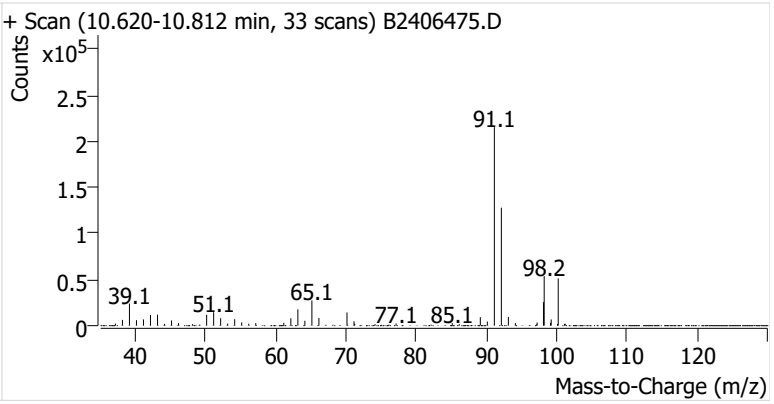
Benzene



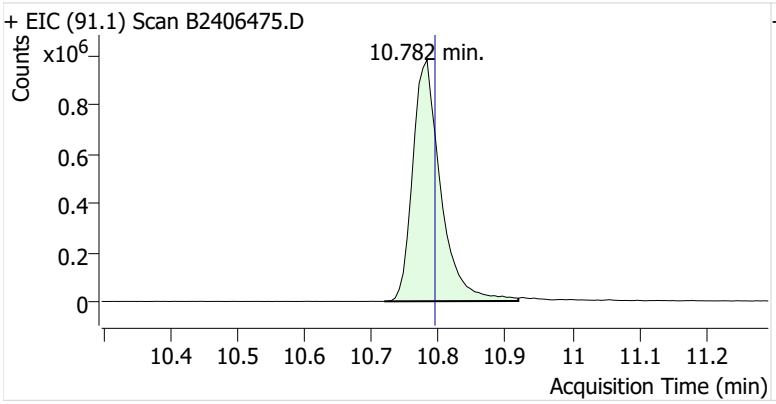


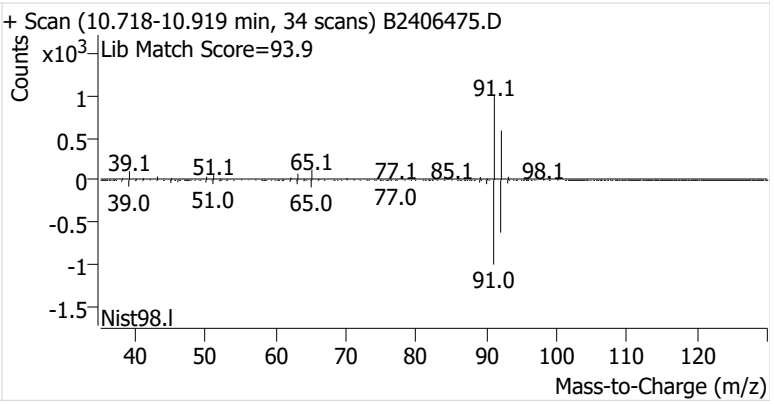
Toluene-d8 (IS)



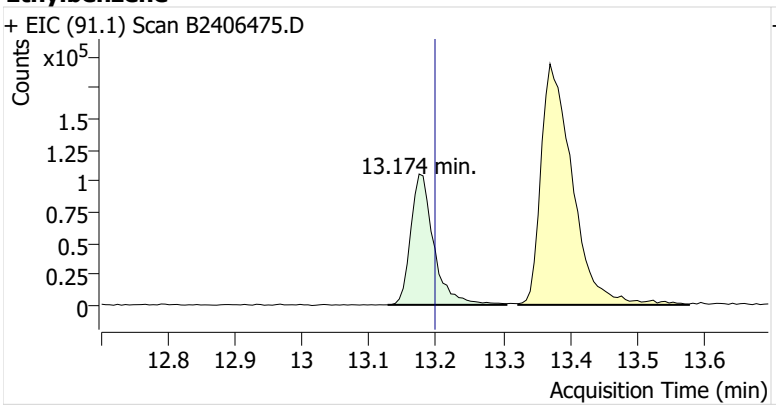


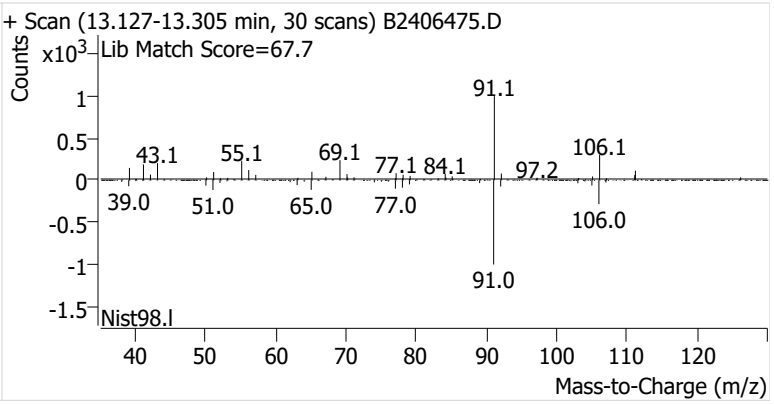
Toluene



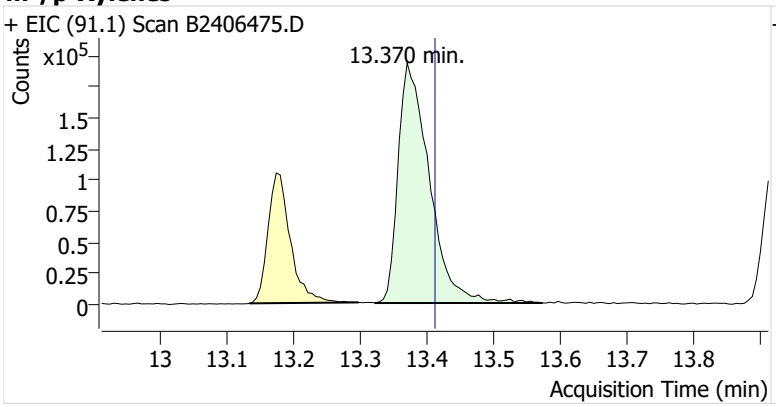


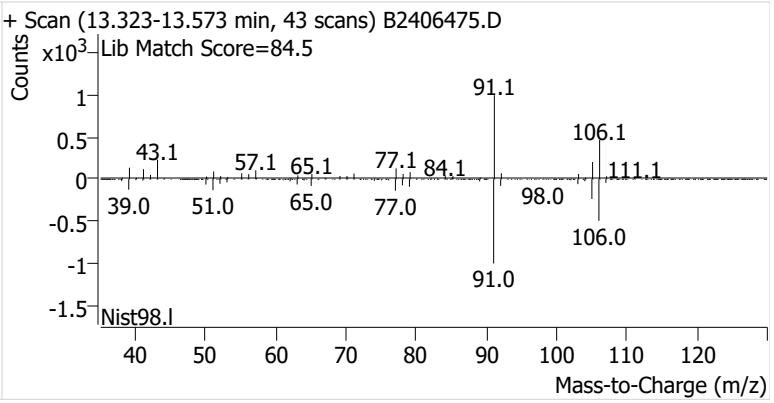
Ethylbenzene



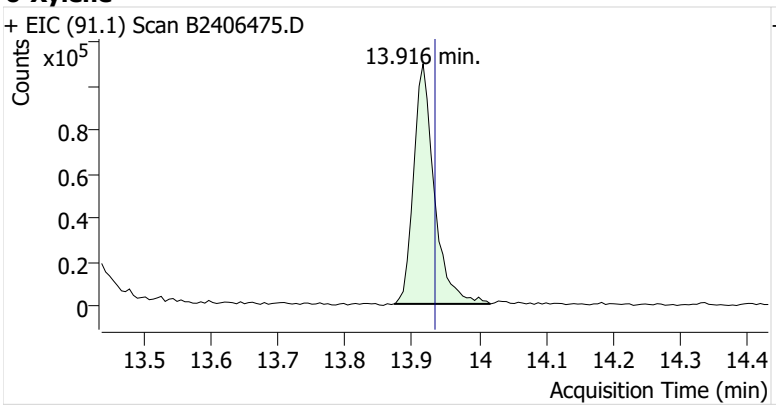


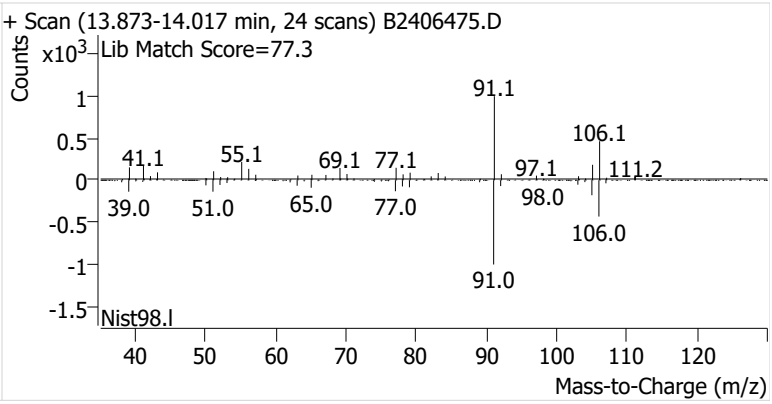
m-/p-Xylenes





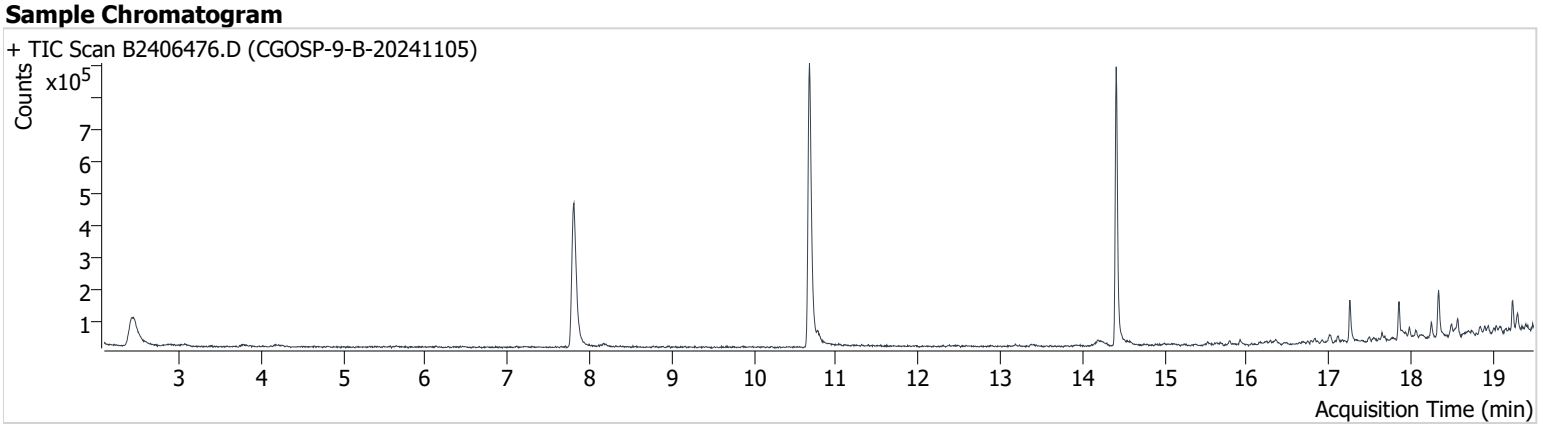
o-Xylene


+ EIC (91.1) Scan B2406475.D
Counts
x10^5
13.916 min.
0.8
0.6
0.4
0.2
0
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)


+ Scan (13.873-14.017 min, 24 scans) B2406475.D
Counts
x10^3
Lib Match Score=77.3
91.1
106.1
41.1
55.1
69.1
77.1
97.1
111.2
98.0
39.0
51.0
65.0
77.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

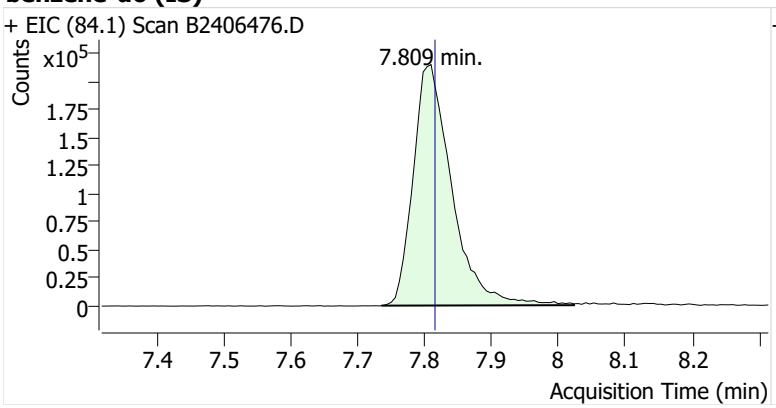
Name	CGOSP-9-B-20241105
Comment	B38537
Data File	B2406476.D
Acq. Date-Time	11/24/2024 1:24:00 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

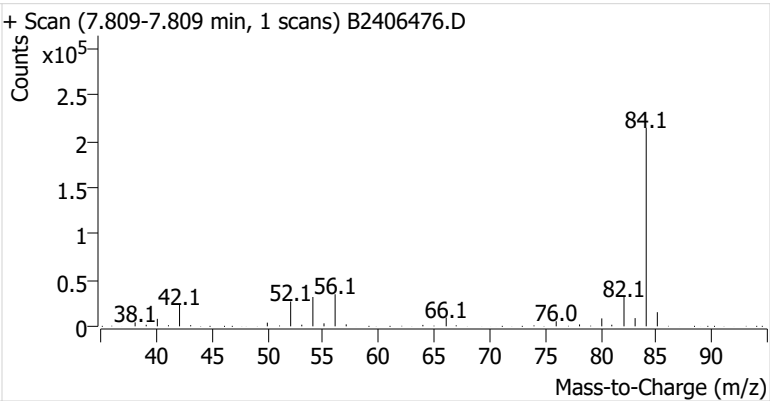
Sample Chromatogram



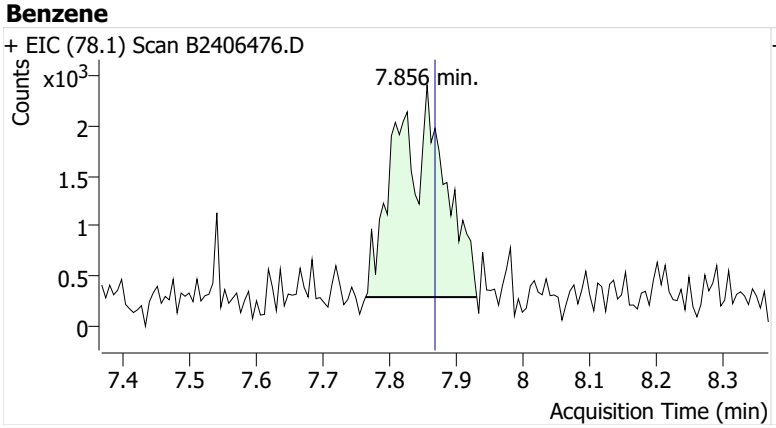
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.809	7.815	859,650	
Benzene	benzene-d6 (IS)	7.856	7.868	10,835	
Toluene-d8 (IS)		10.676	10.693	941,789	
Toluene	Toluene-d8 (IS)	10.783	10.794	27,894	
Ethylbenzene	Toluene-d8 (IS)	13.180	13.198	3,830	
m-/p-Xylenes	Toluene-d8 (IS)	13.376	13.412	5,991	
o-Xylene	Toluene-d8 (IS)	13.922	13.934	1,699	

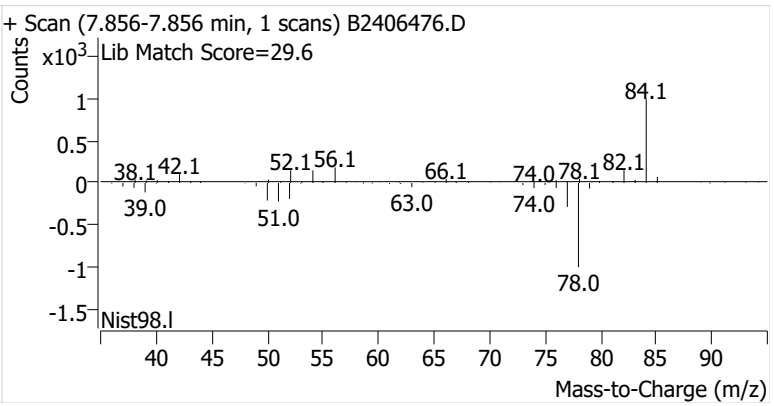
benzene-d6 (IS)



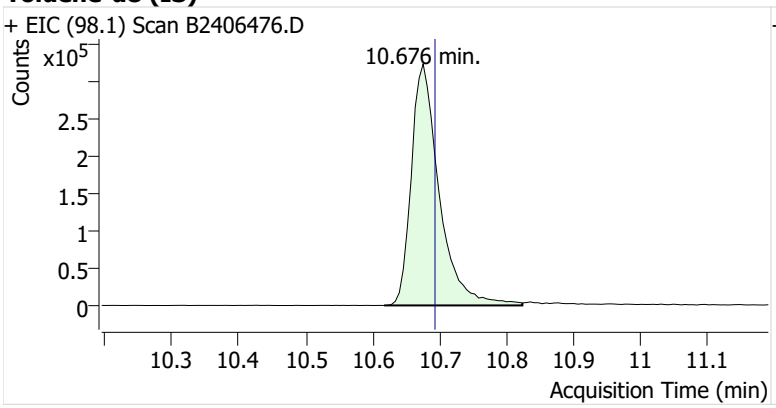


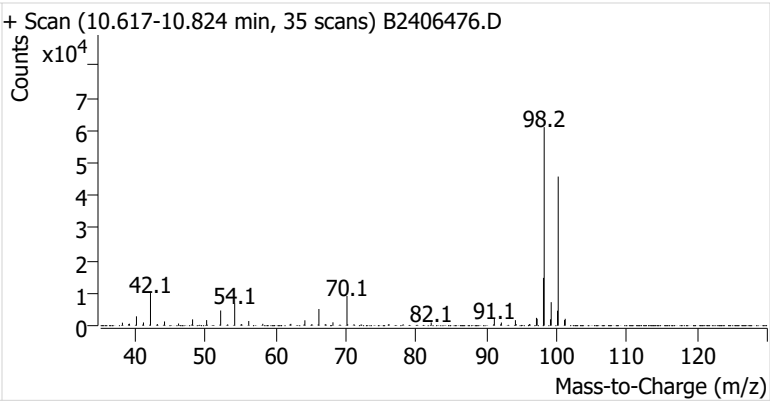
Benzene



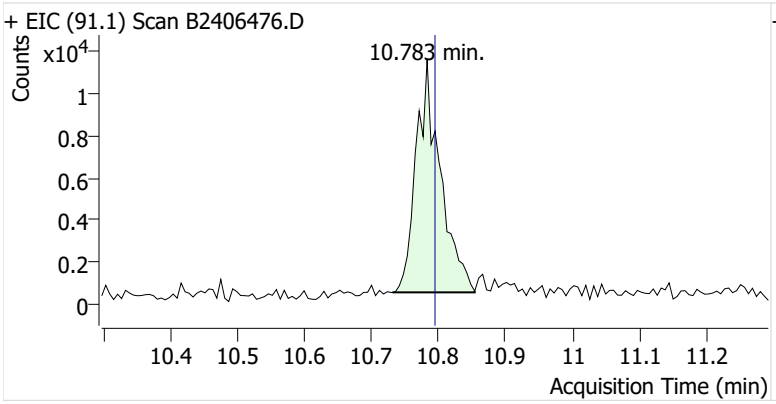


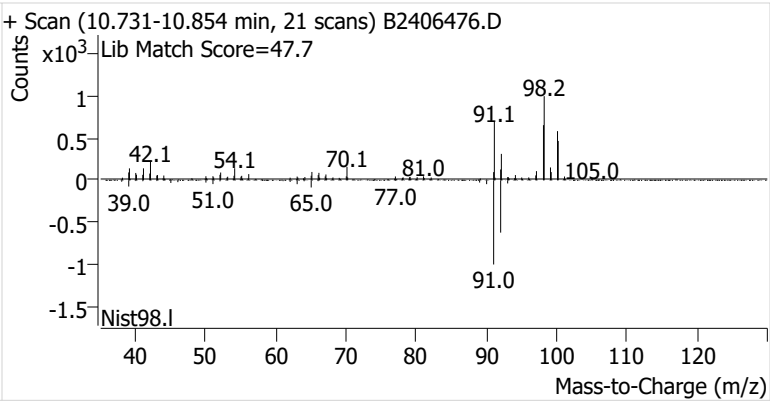
Toluene-d8 (IS)



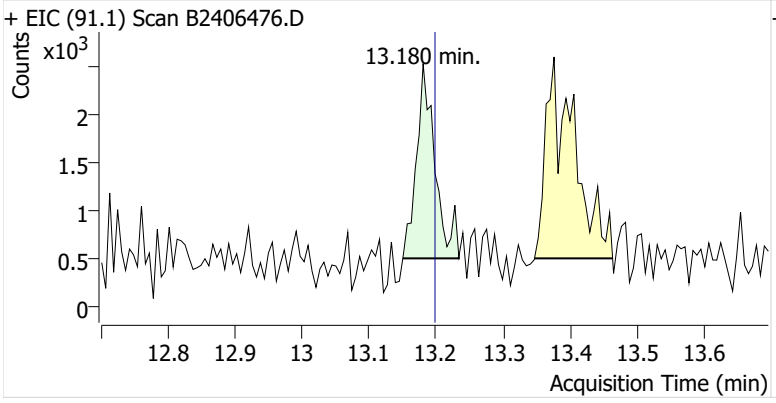


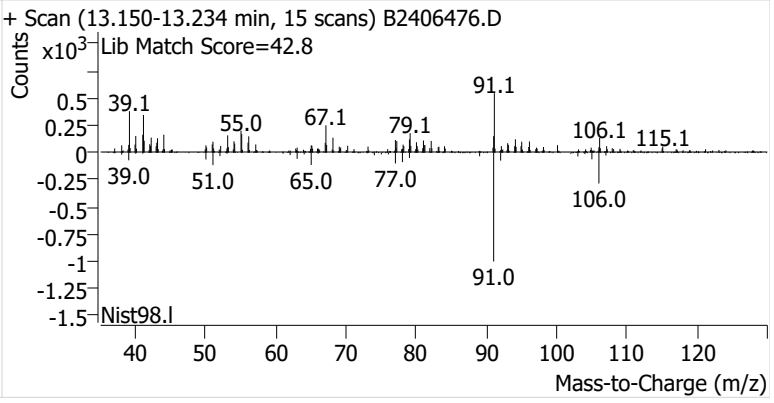
Toluene



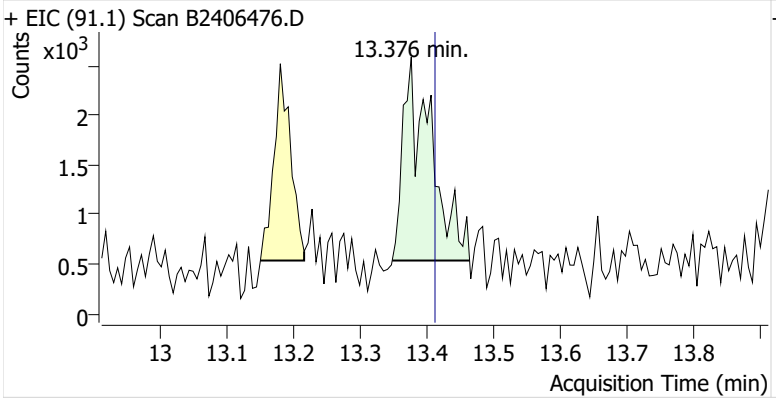


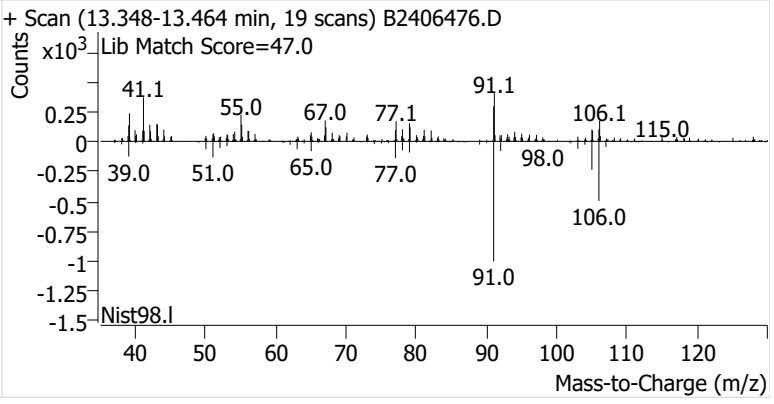
Ethylbenzene



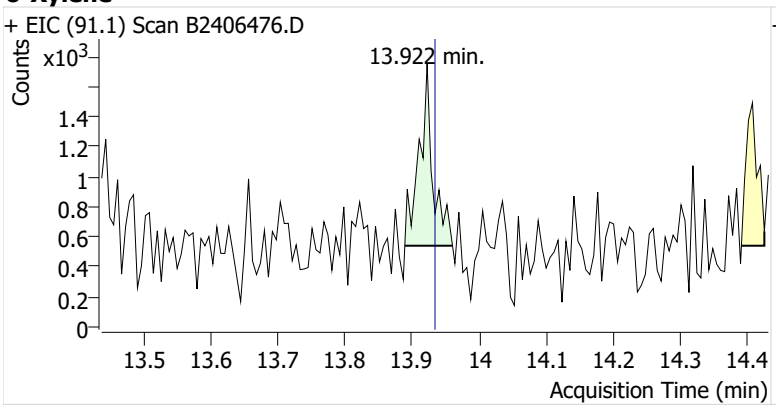


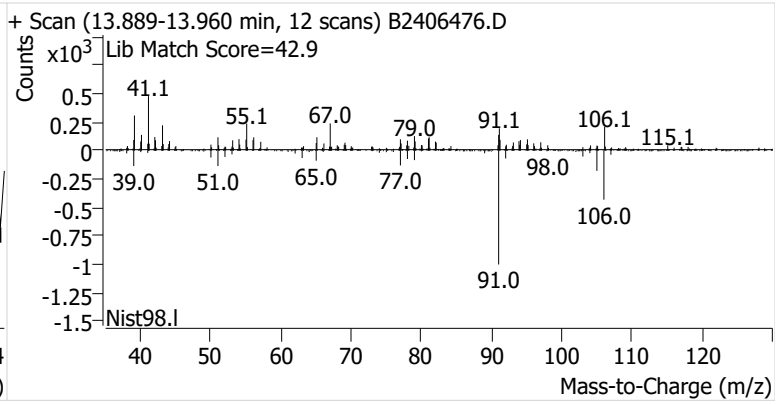
m-/p-Xylenes





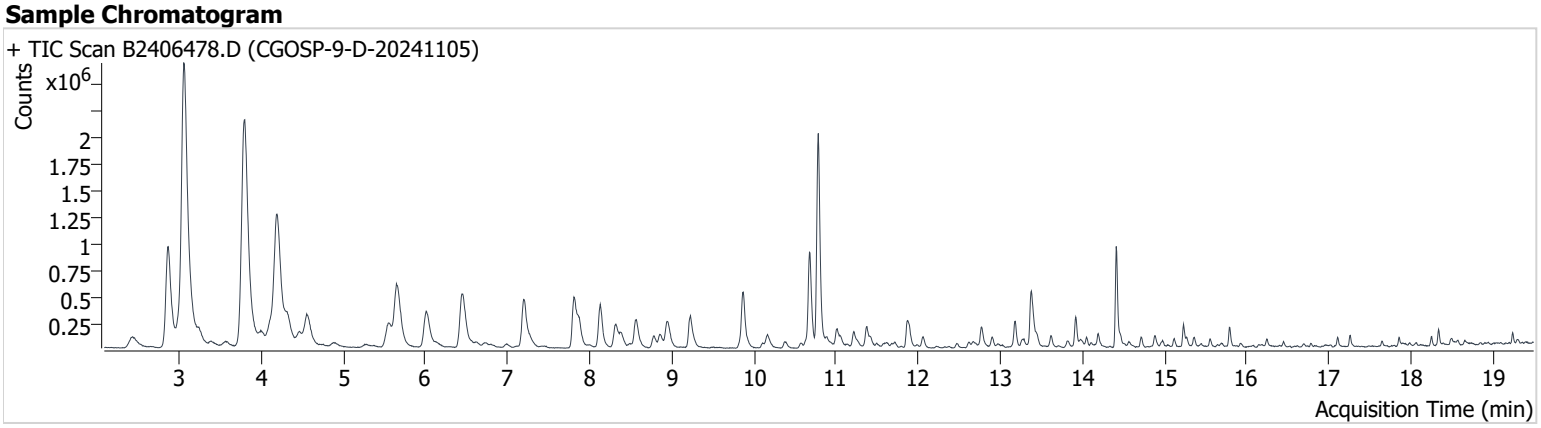
o-Xylene


+ EIC (91.1) Scan B2406476.D
Counts
x10^3
13.922 min.
1.4
1.2
1
0.8
0.6
0.4
0.2
0
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
14.4
Acquisition Time (min)


+ Scan (13.889-13.960 min, 12 scans) B2406476.D
Counts
x10^3
Lib Match Score=42.9
41.1
55.1
67.0
79.0
91.1
106.1
115.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
0.5
0.25
0
-0.25
-0.5
-0.75
-1
-1.25
-1.5
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

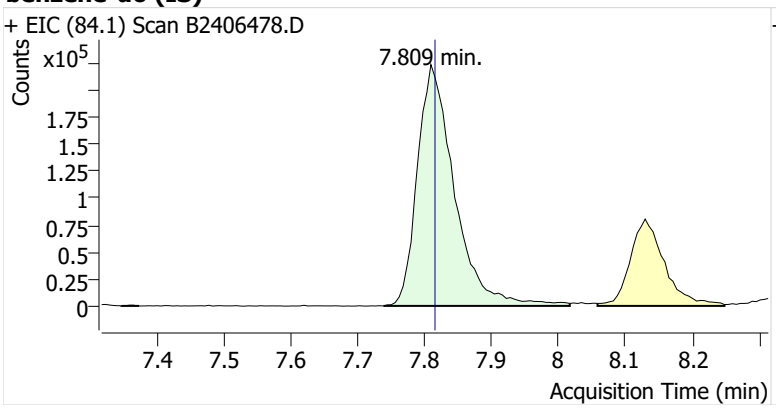
Name	CGOSP-9-D-20241105
Comment	B46187
Data File	B2406478.D
Acq. Date-Time	11/24/2024 2:38:44 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

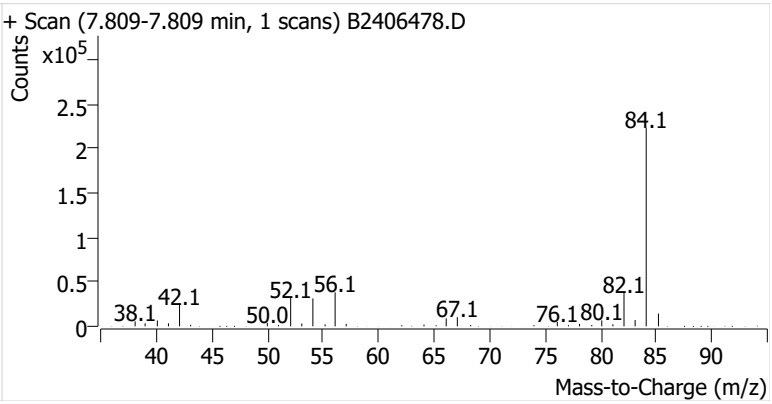
Sample Chromatogram



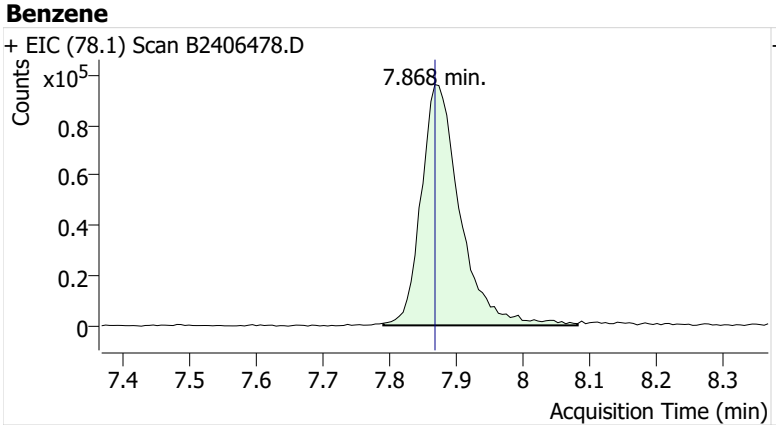
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.809	7.815	856,987	
Benzene	benzene-d6 (IS)	7.868	7.868	387,344	
Toluene-d8 (IS)		10.675	10.693	937,529	
Toluene	Toluene-d8 (IS)	10.782	10.794	2,263,011	
Ethylbenzene	Toluene-d8 (IS)	13.180	13.198	239,448	
m-/p-Xylenes	Toluene-d8 (IS)	13.376	13.412	573,973	
o-Xylene	Toluene-d8 (IS)	13.922	13.934	219,466	

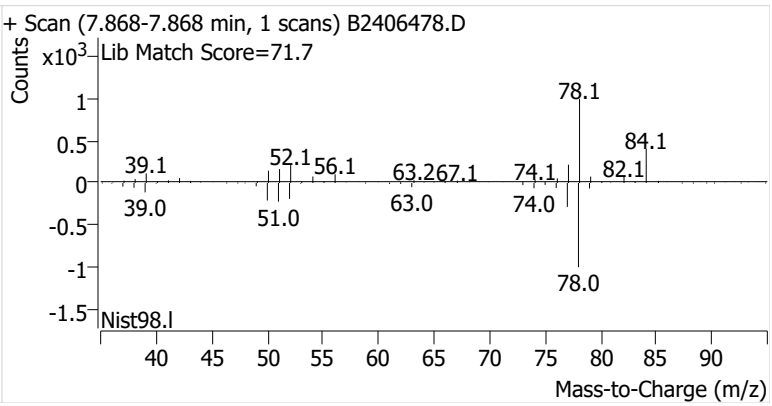
benzene-d6 (IS)



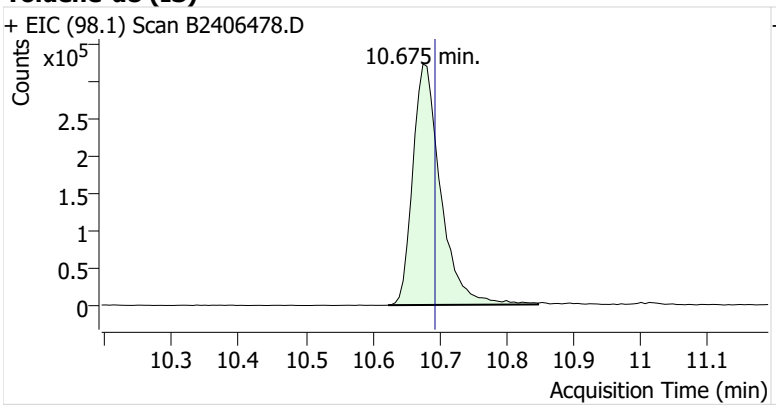


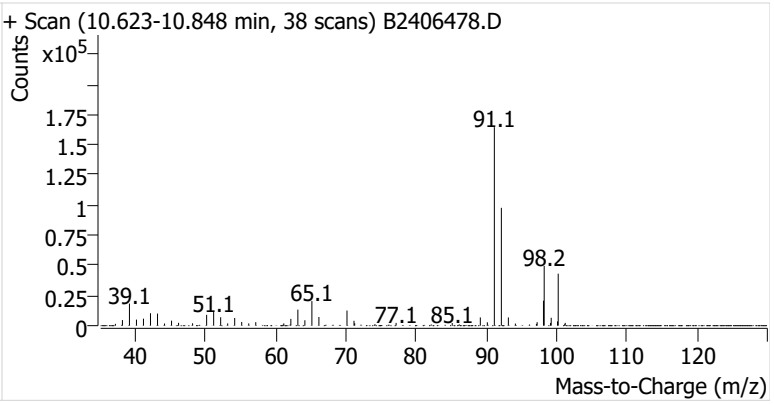
Benzene



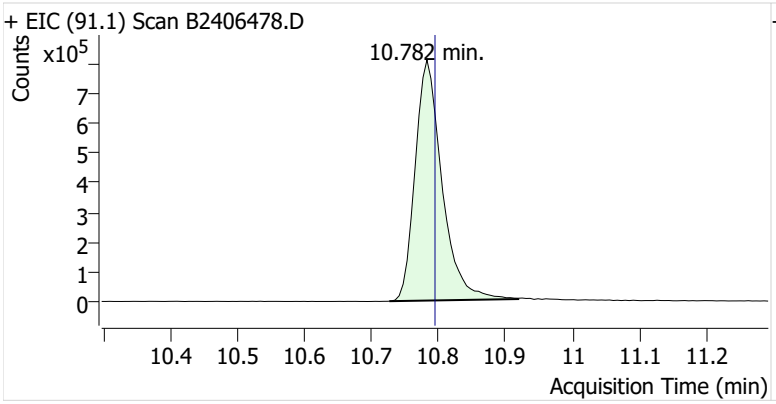


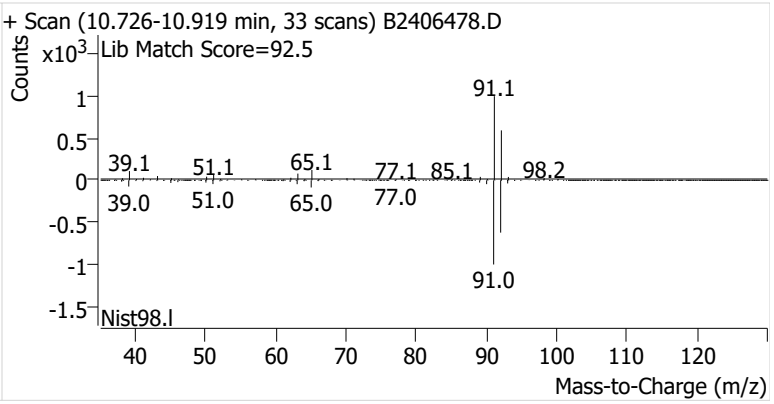
Toluene-d8 (IS)



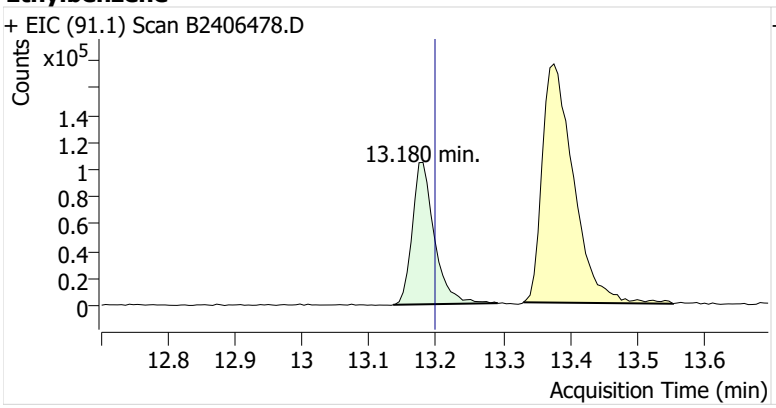


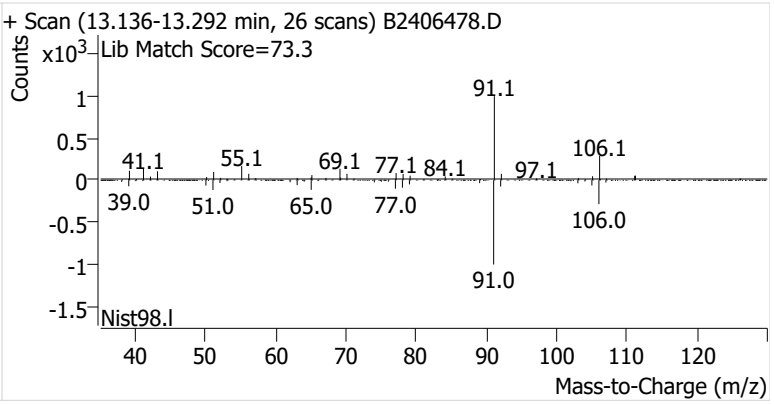
Toluene



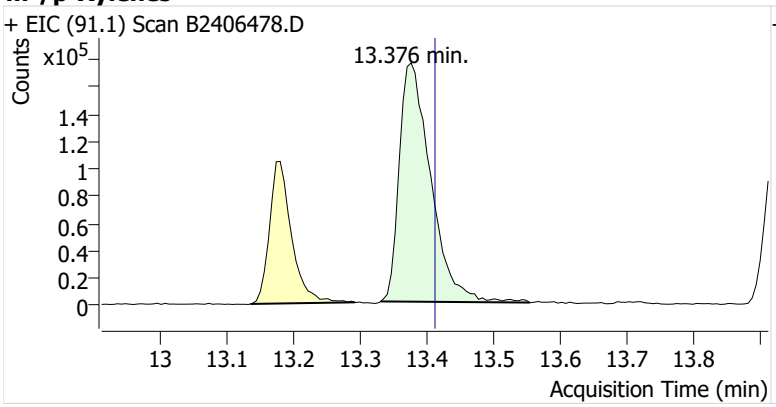


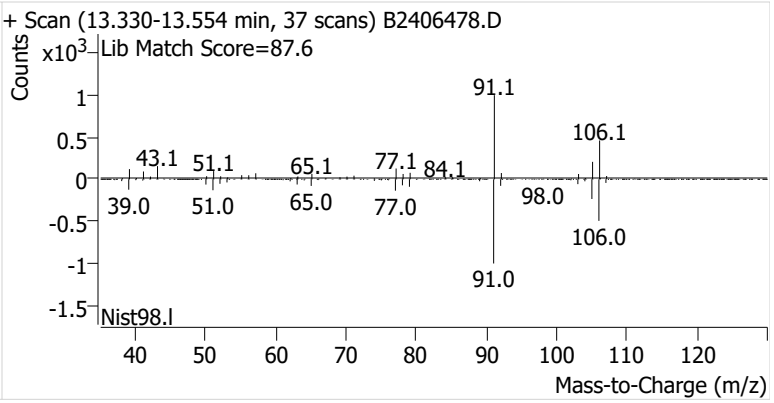
Ethylbenzene



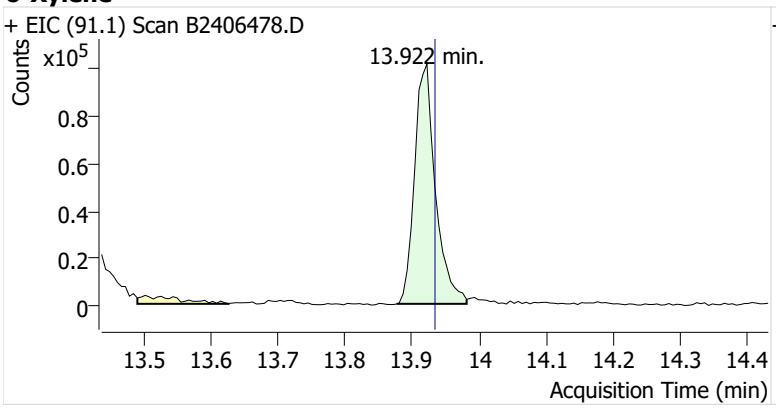


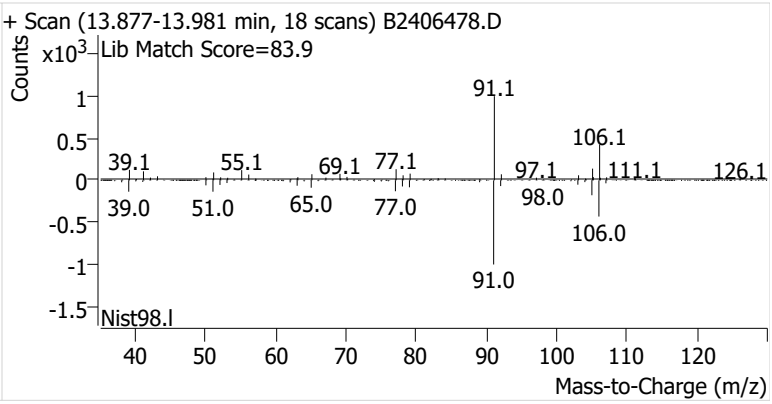
m-/p-Xylenes





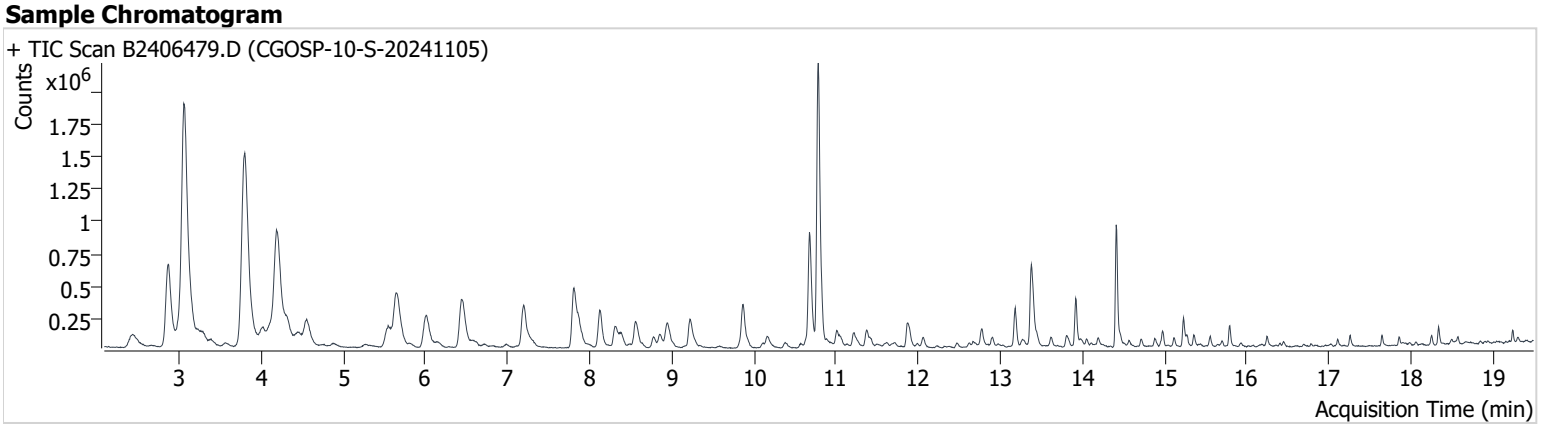
o-Xylene


+ EIC (91.1) Scan B2406478.D
Counts
x10^5
13.922 min.
0.8
0.6
0.4
0.2
0
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)


+ Scan (13.877-13.981 min, 18 scans) B2406478.D
Counts
x10^3
Lib Match Score=83.9
91.1
106.1
39.1
55.1
69.1
77.1
97.1
111.1
126.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

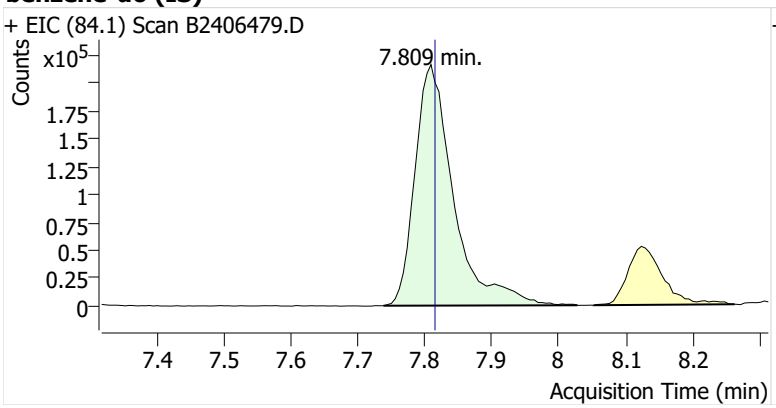
Name	CGOSP-10-S-20241105
Comment	B53234
Data File	B2406479.D
Acq. Date-Time	11/24/2024 3:16:04 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

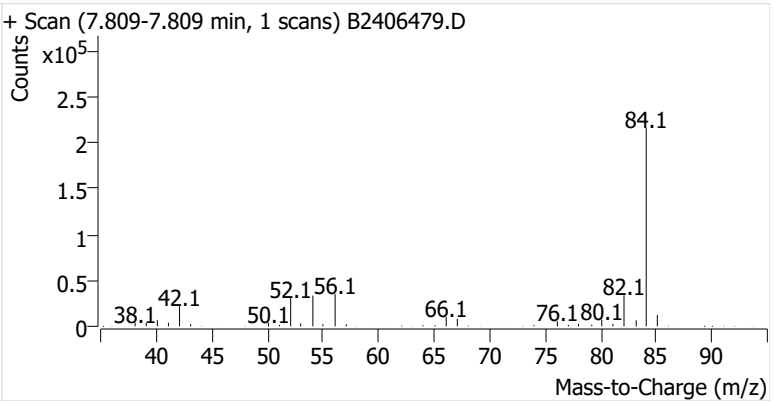
Sample Chromatogram



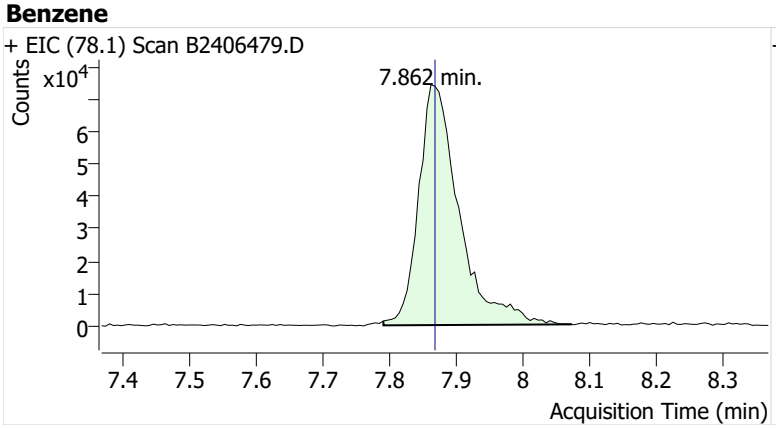
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.809	7.815	863,259	
Benzene	benzene-d6 (IS)	7.862	7.868	312,285	
Toluene-d8 (IS)		10.676	10.693	946,211	
Toluene	Toluene-d8 (IS)	10.782	10.794	2,642,042	
Ethylbenzene	Toluene-d8 (IS)	13.180	13.198	297,250	
m-/p-Xylenes	Toluene-d8 (IS)	13.376	13.412	699,050	
o-Xylene	Toluene-d8 (IS)	13.916	13.934	282,057	

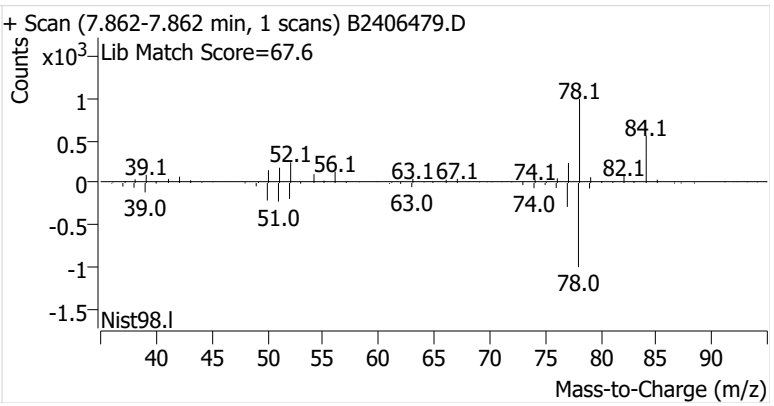
benzene-d6 (IS)



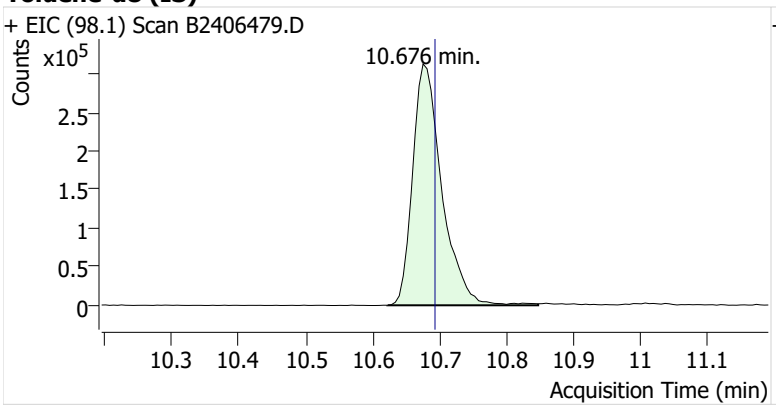


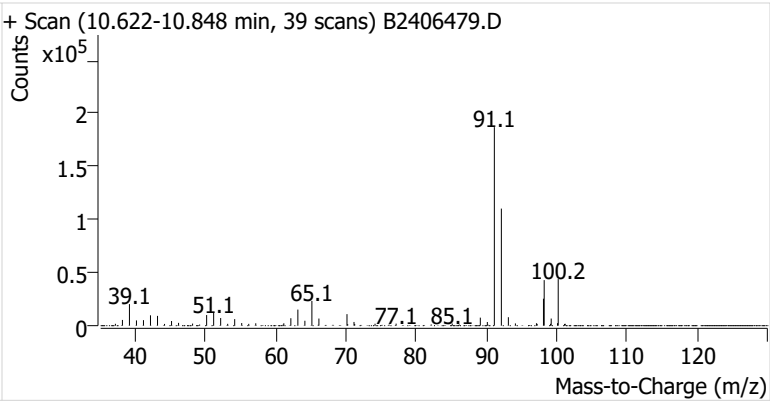
Benzene



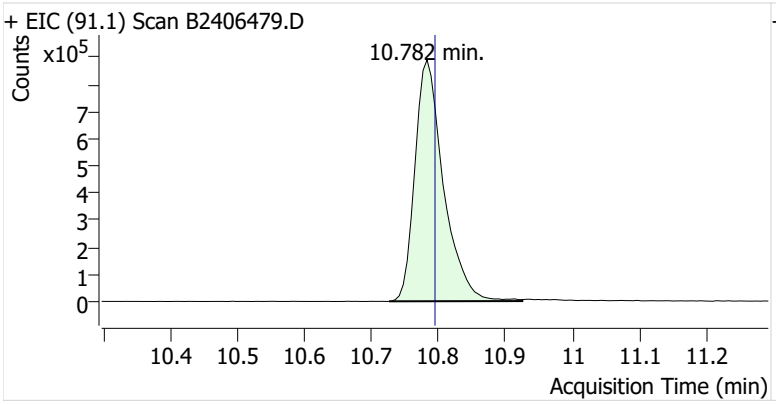


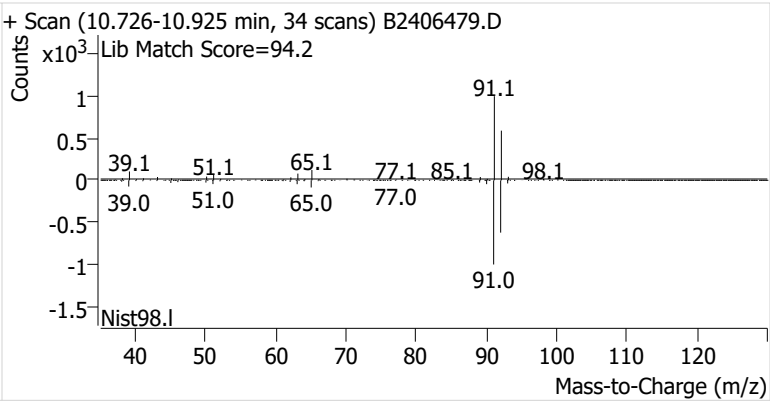
Toluene-d8 (IS)



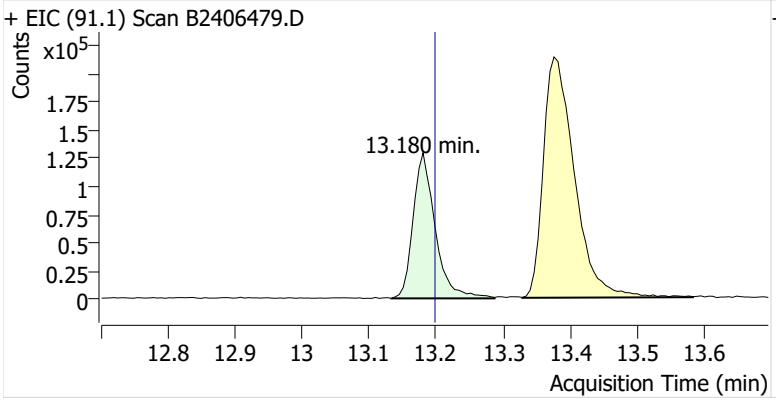


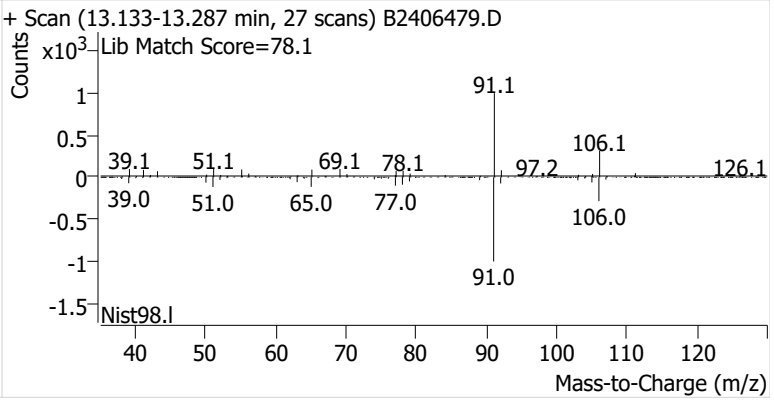
Toluene



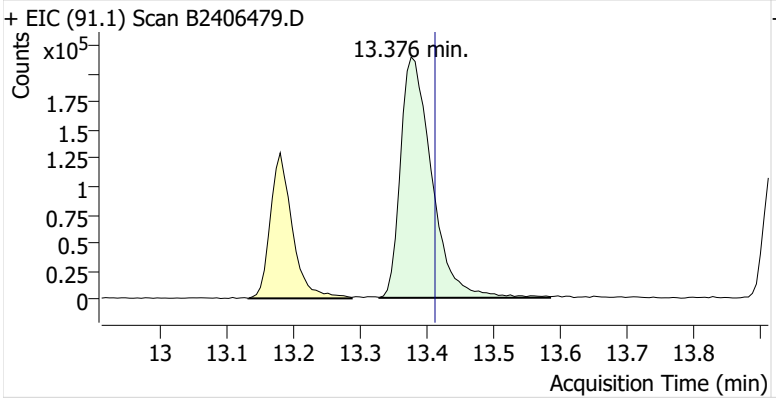


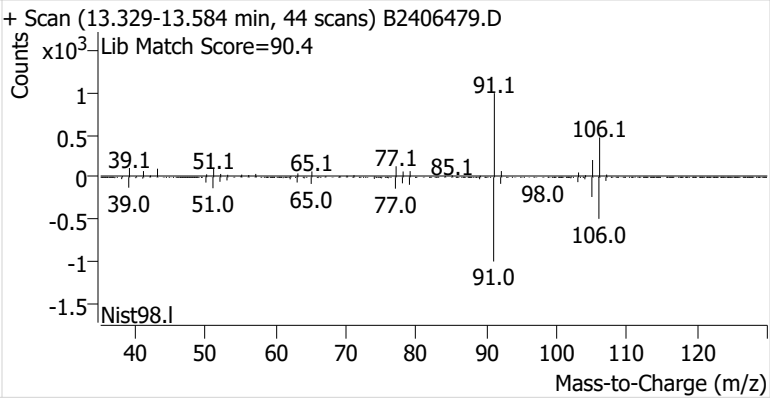
Ethylbenzene



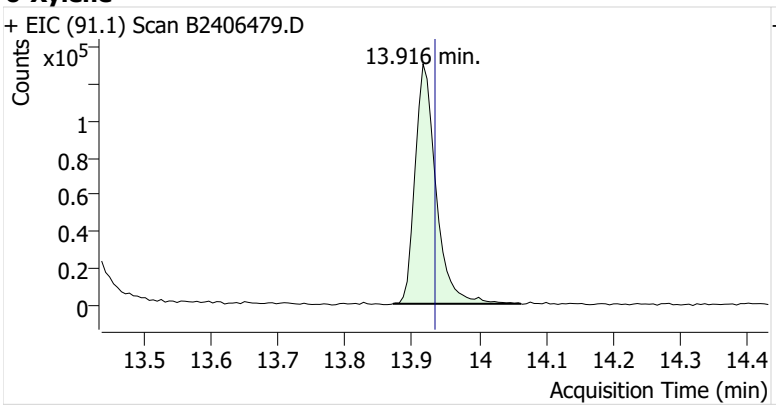


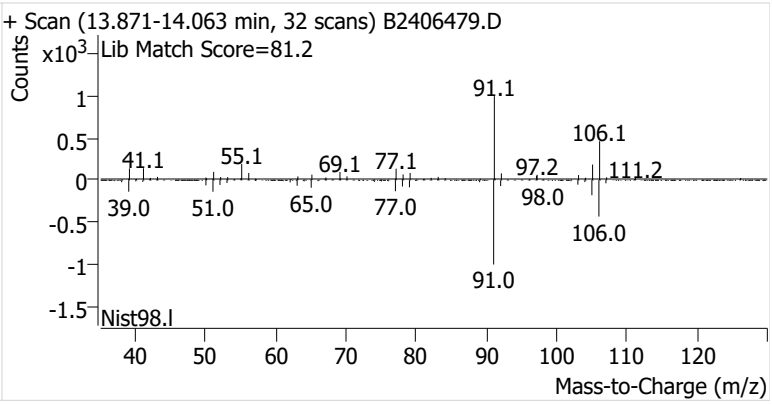
m-/p-Xylenes





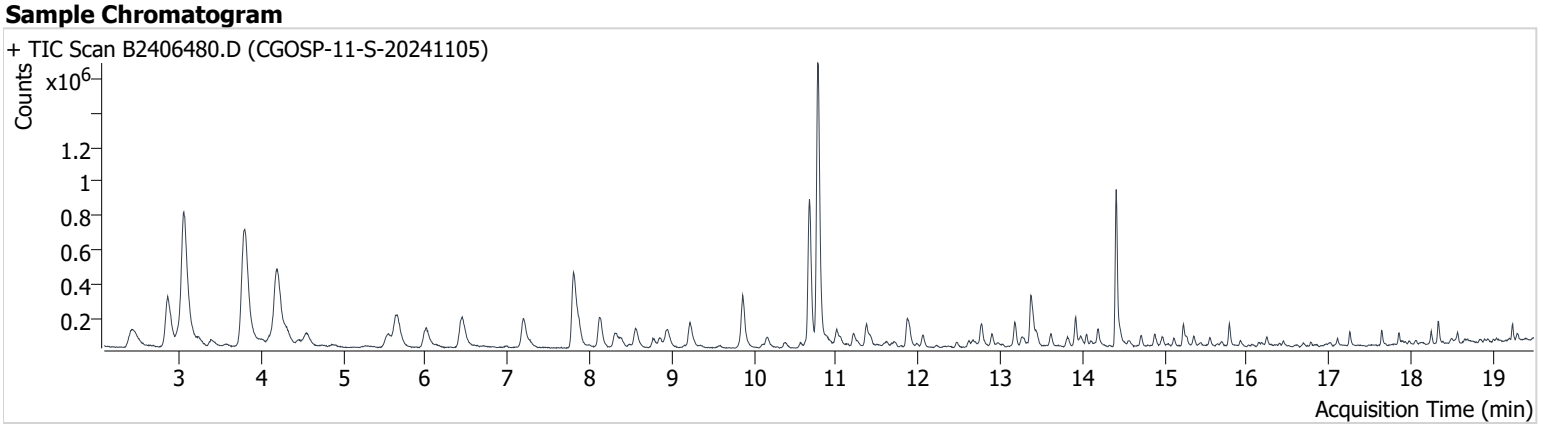
o-Xylene


+ EIC (91.1) Scan B2406479.D
Counts
x10^5
13.916 min.
1
0.8
0.6
0.4
0.2
0
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)


+ Scan (13.871-14.063 min, 32 scans) B2406479.D
Counts
x10^3
Lib Match Score=81.2
91.1
106.1
41.1
55.1
69.1
77.1
97.2
111.2
98.0
39.0
51.0
65.0
77.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

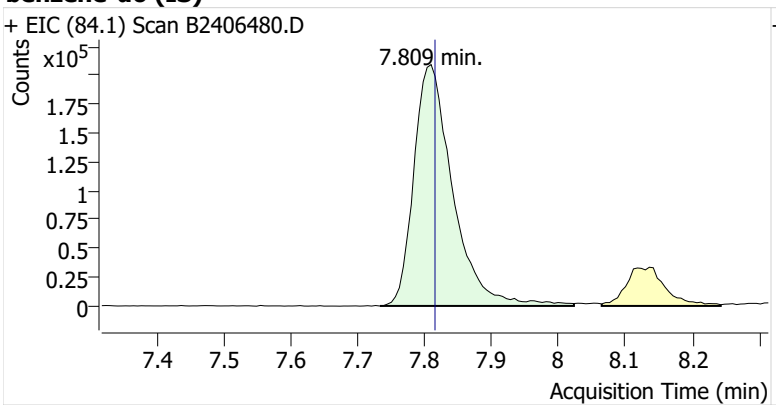
Name	CGOSP-11-S-20241105
Comment	B37703
Data File	B2406480.D
Acq. Date-Time	11/24/2024 3:53:28 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

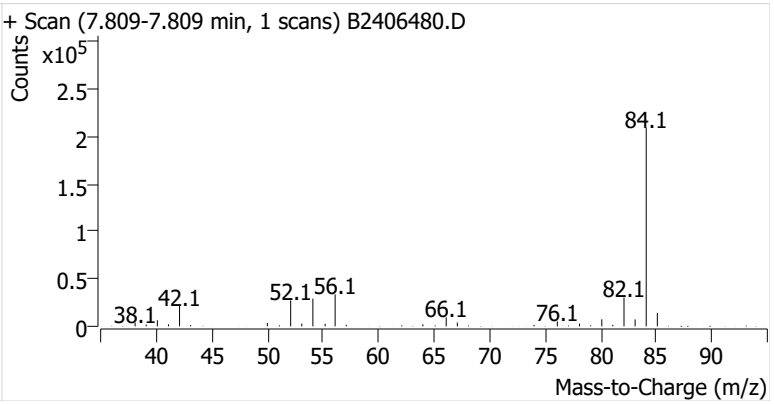
Sample Chromatogram



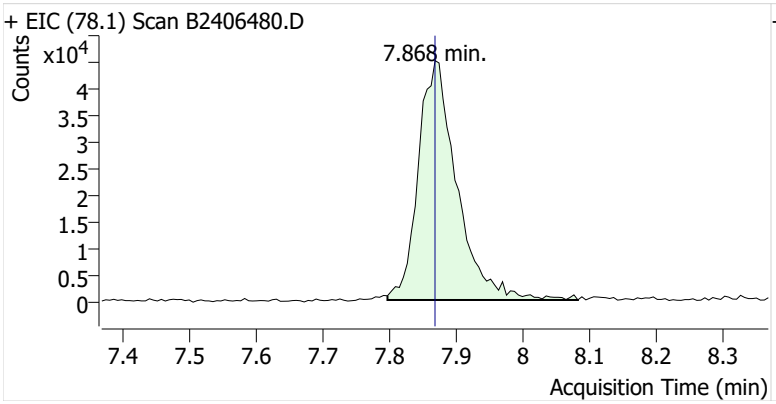
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.809	7.815	846,683	
Benzene	benzene-d6 (IS)	7.868	7.868	181,122	
Toluene-d8 (IS)		10.676	10.693	920,788	
Toluene	Toluene-d8 (IS)	10.777	10.794	1,989,782	
Ethylbenzene	Toluene-d8 (IS)	13.175	13.198	134,753	
m-/p-Xylenes	Toluene-d8 (IS)	13.376	13.412	317,388	
o-Xylene	Toluene-d8 (IS)	13.916	13.934	128,014	

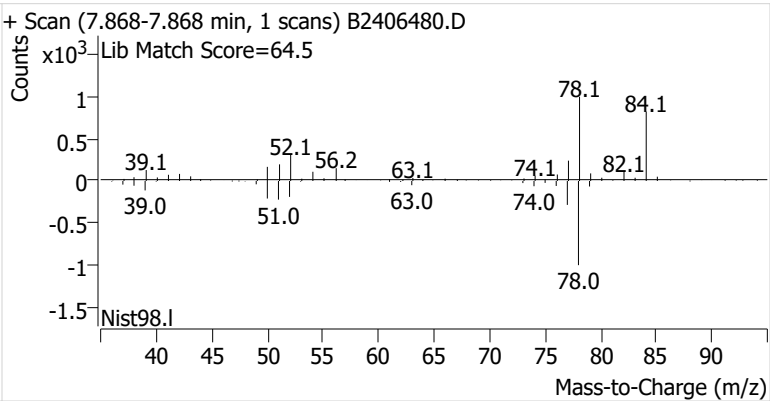
benzene-d6 (IS)



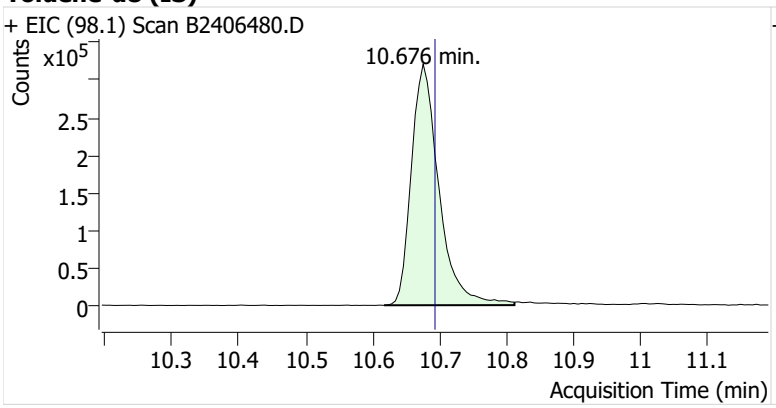


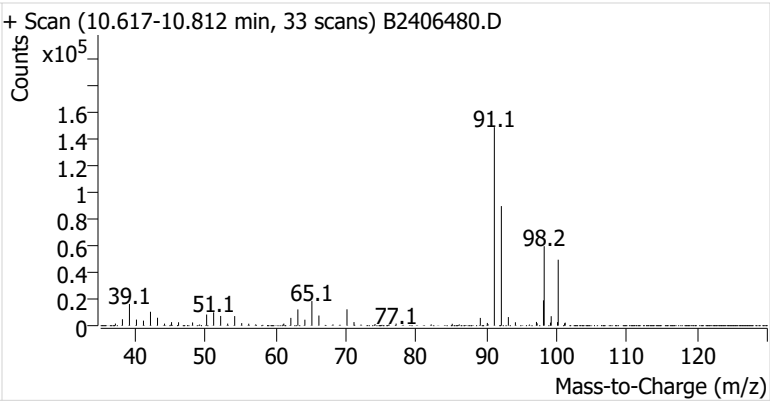
Benzene



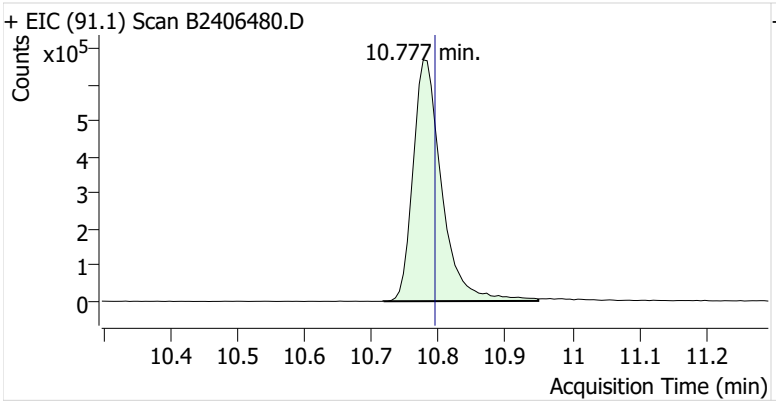


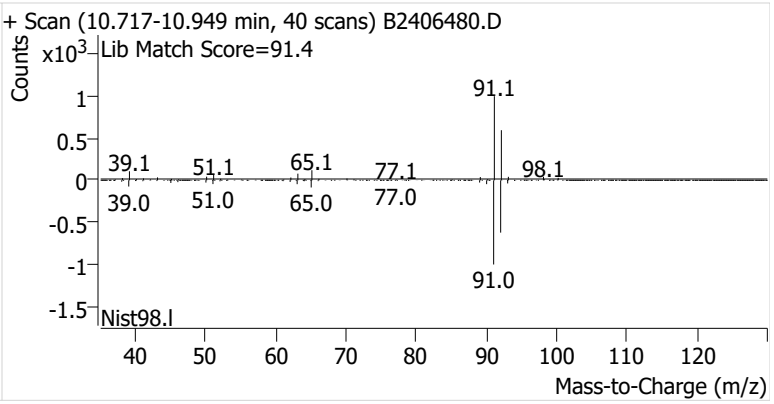
Toluene-d8 (IS)



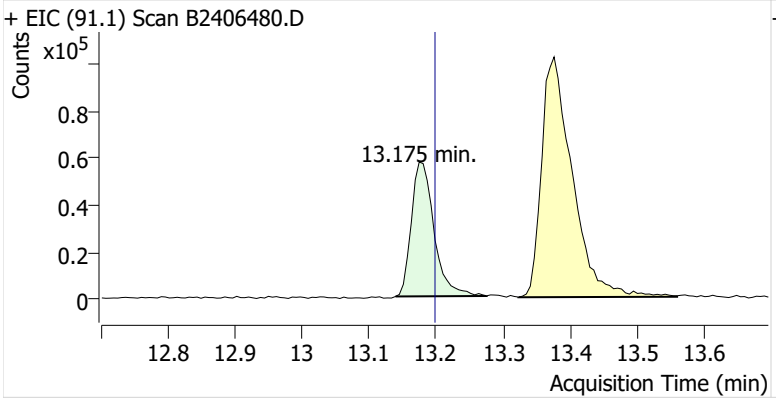


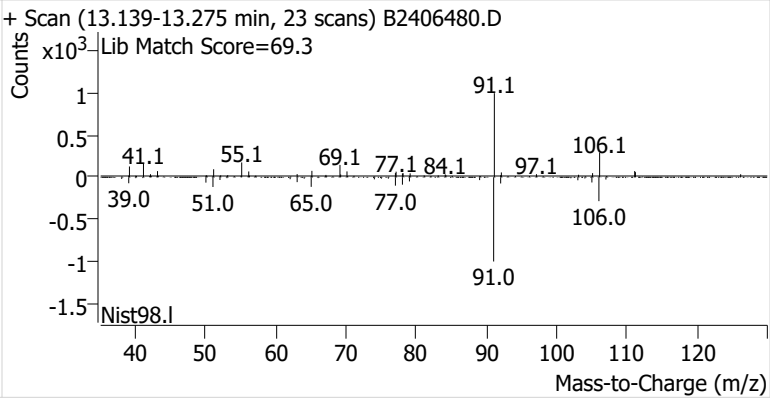
Toluene



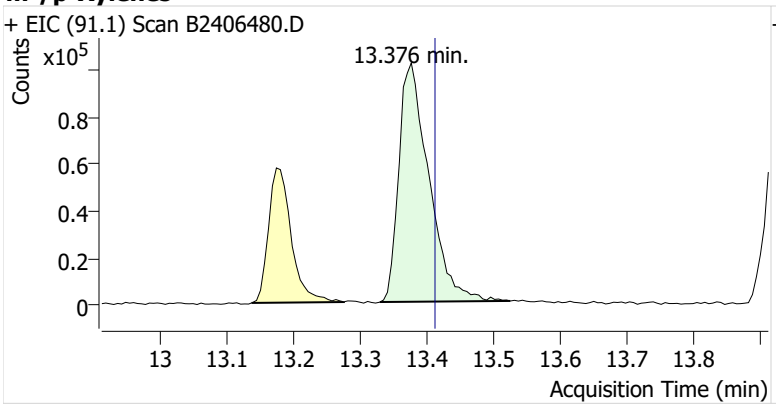


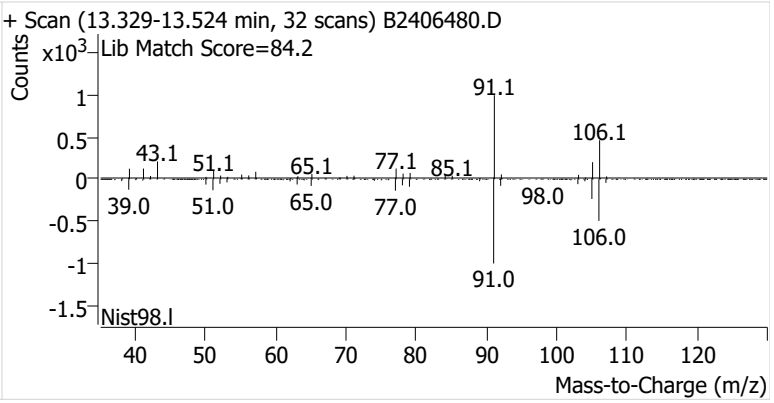
Ethylbenzene



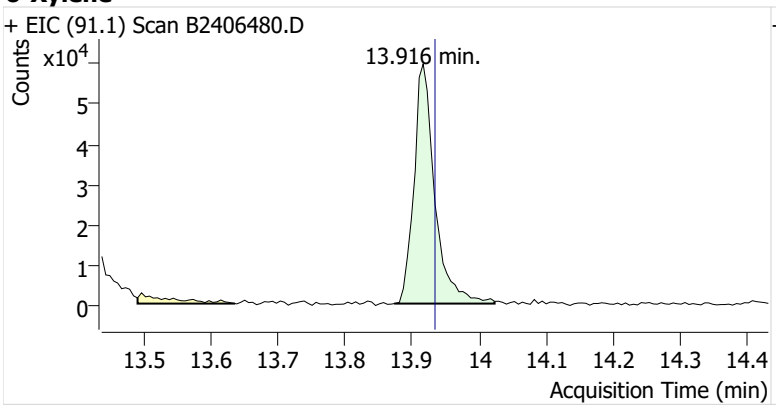


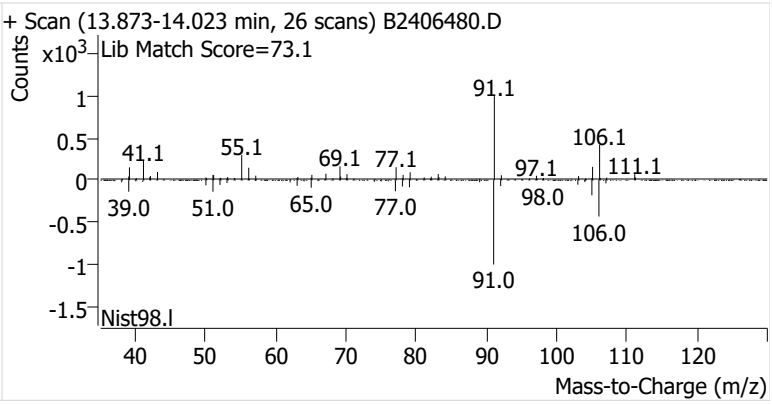
m-/p-Xylenes





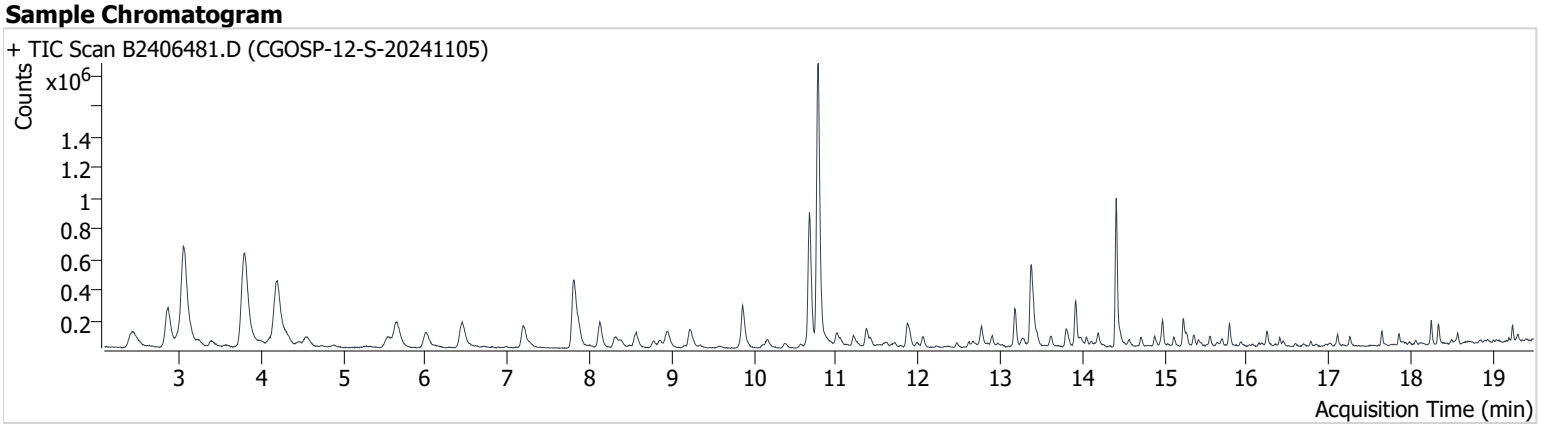
o-Xylene


+ EIC (91.1) Scan B2406480.D
Counts
x10^4
13.916 min.
Acquisition Time (min)


+ Scan (13.873-14.023 min, 26 scans) B2406480.D
Counts
x10^3
Lib Match Score=73.1
91.1
106.1
41.1
55.1
69.1
77.1
97.1
111.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
Mass-to-Charge (m/z)

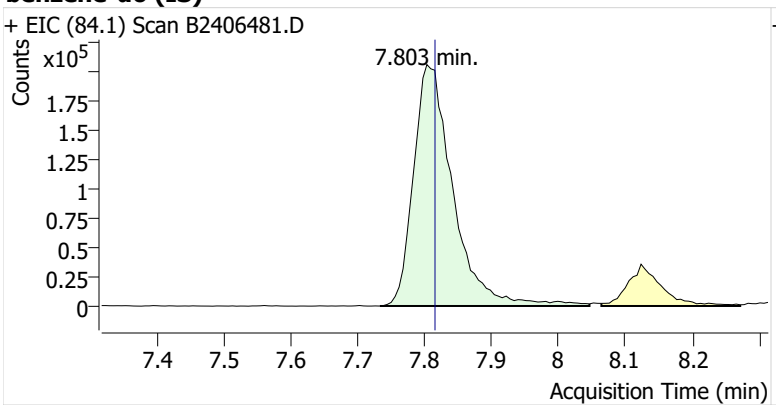
Name	CGOSP-12-S-20241105
Comment	C01486
Data File	B2406481.D
Acq. Date-Time	11/24/2024 4:30:50 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

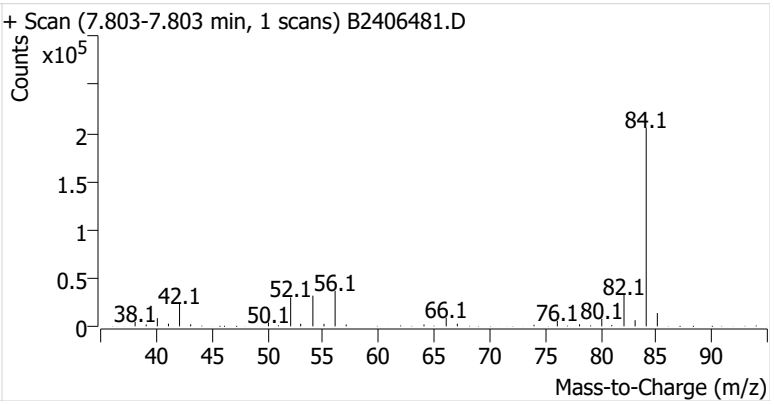
Sample Chromatogram



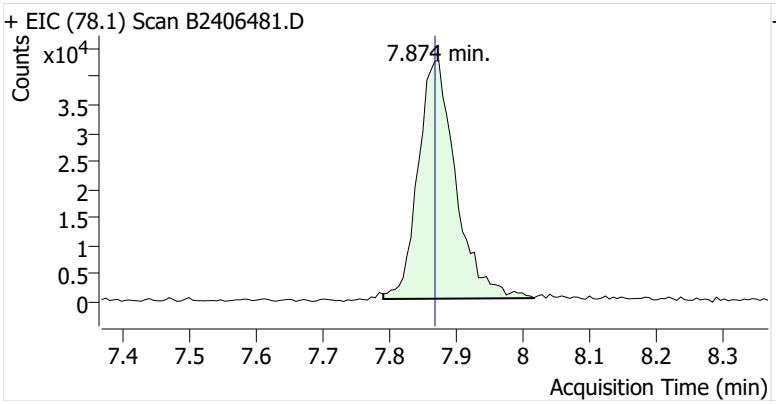
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.803	7.815	839,280	
Benzene	benzene-d6 (IS)	7.874	7.868	166,603	
Toluene-d8 (IS)		10.675	10.693	908,022	
Toluene	Toluene-d8 (IS)	10.782	10.794	2,191,277	
Ethylbenzene	Toluene-d8 (IS)	13.180	13.198	241,657	
m-/p-Xylenes	Toluene-d8 (IS)	13.370	13.412	598,656	
o-Xylene	Toluene-d8 (IS)	13.916	13.934	236,605	

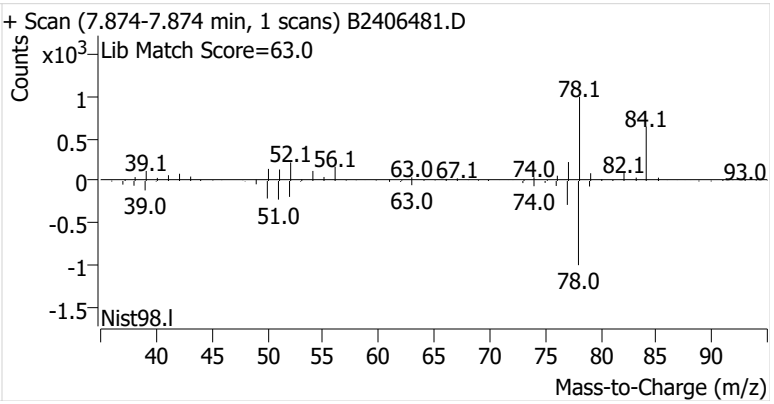
benzene-d6 (IS)



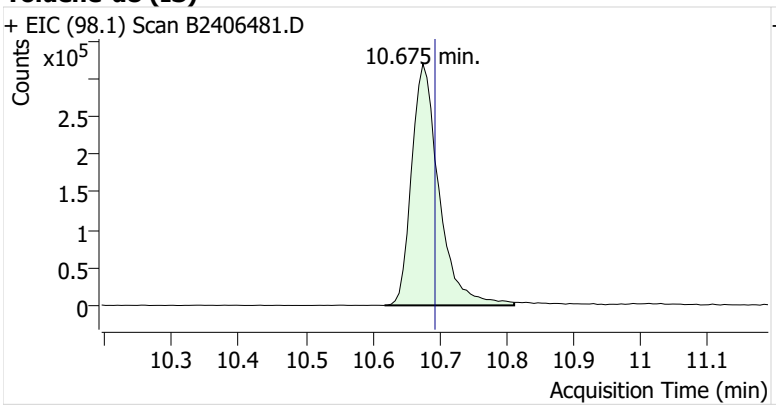


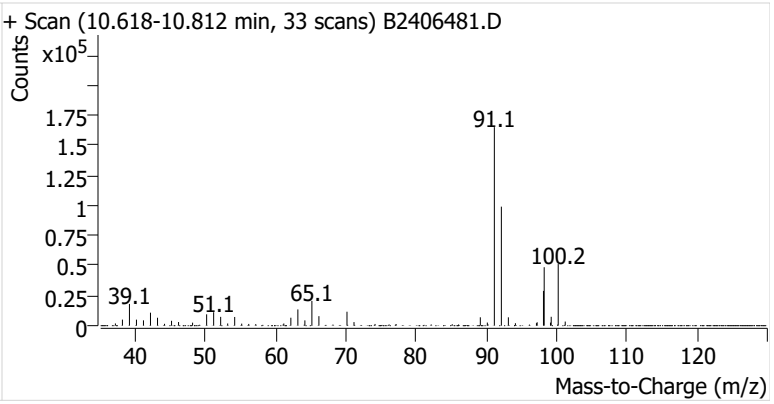
Benzene



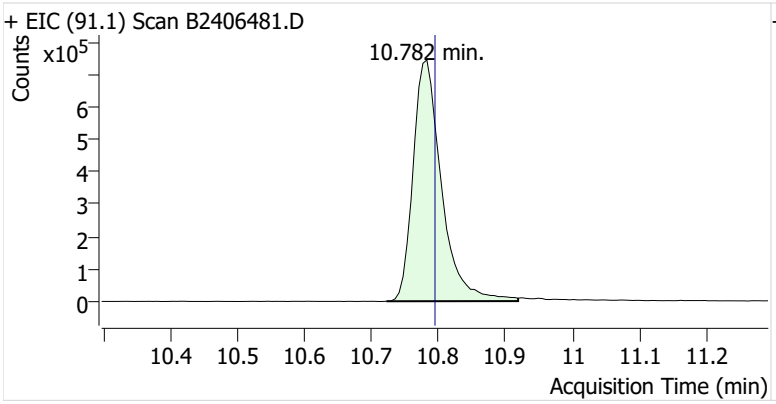


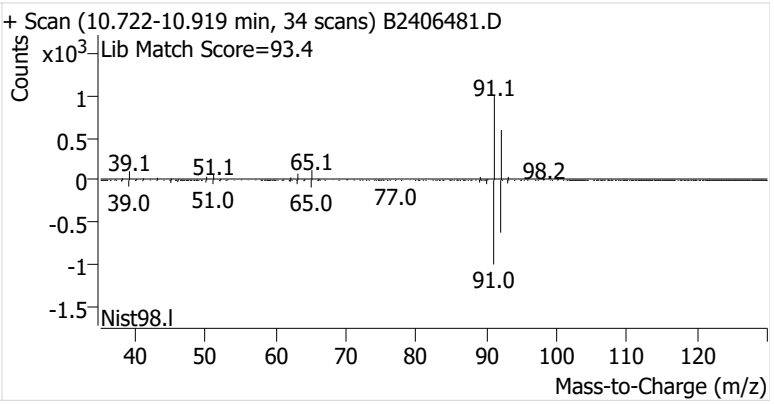
Toluene-d8 (IS)



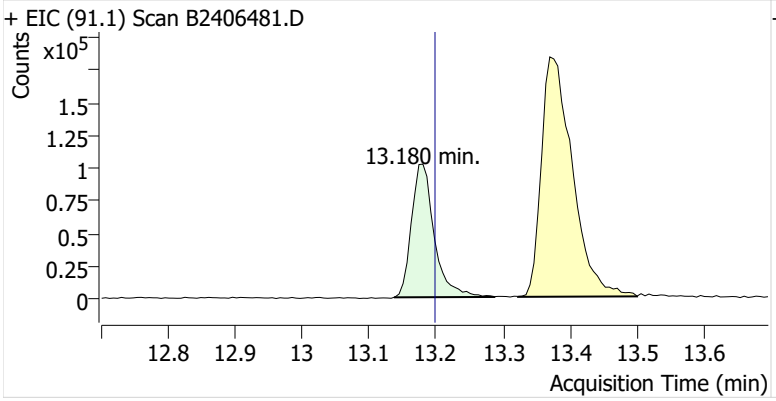


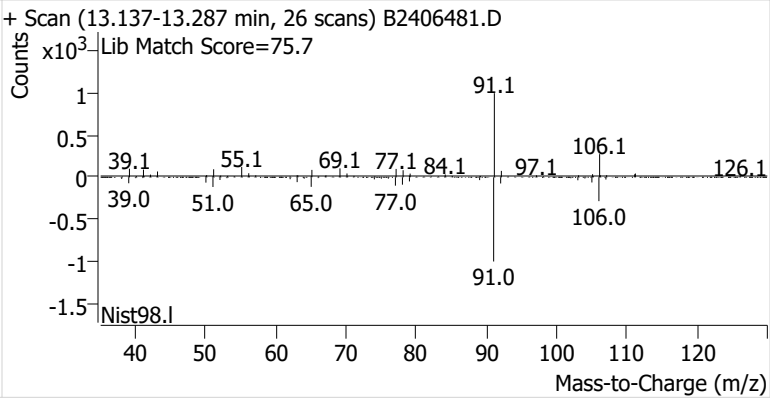
Toluene



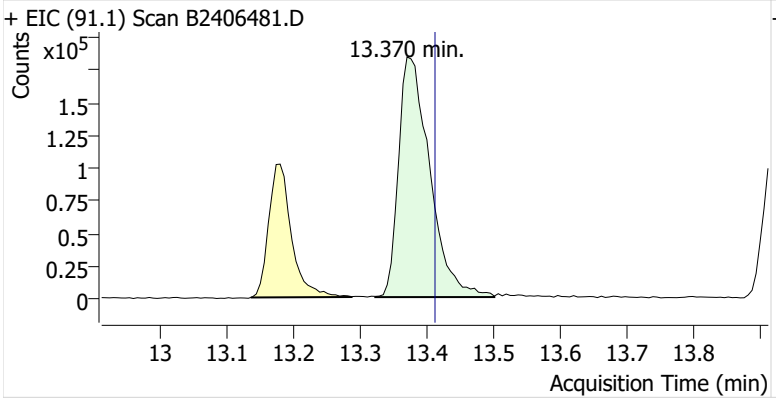


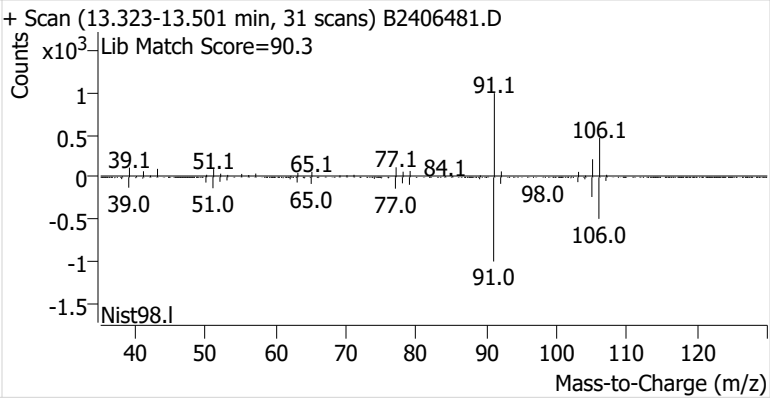
Ethylbenzene



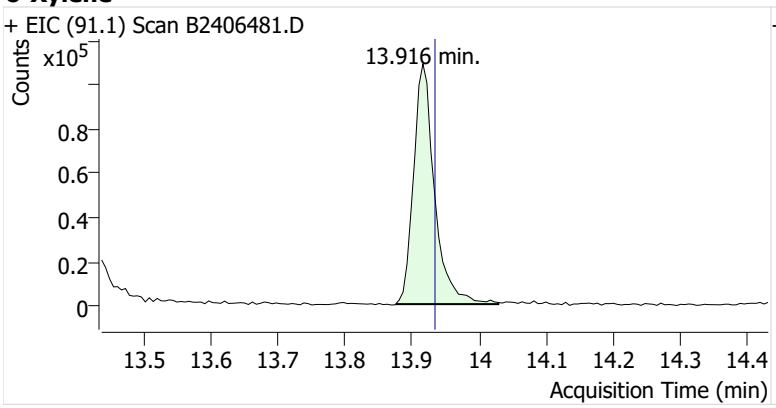


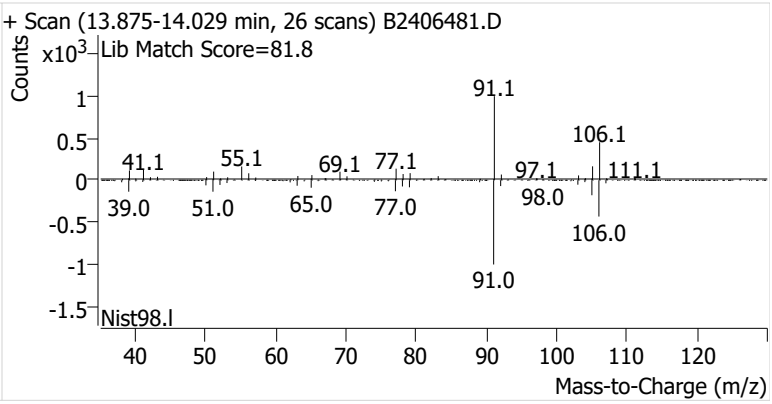
m-/p-Xylenes





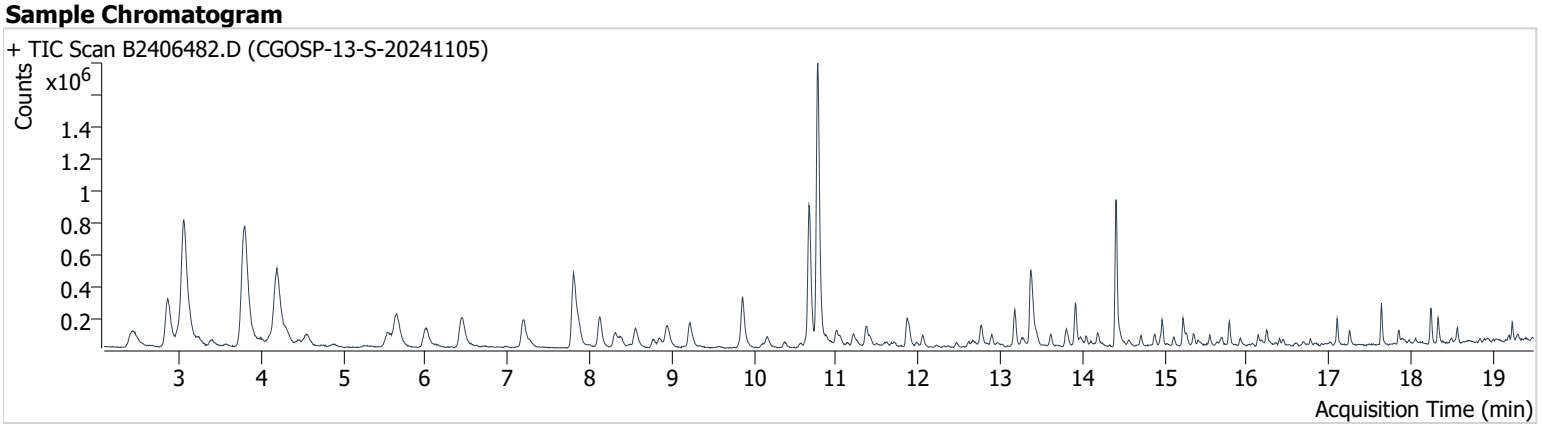
o-Xylene


+ EIC (91.1) Scan B2406481.D
Counts
x10^5
13.916 min.
0.8
0.6
0.4
0.2
0
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)


+ Scan (13.875-14.029 min, 26 scans) B2406481.D
Counts
x10^3
Lib Match Score=81.8
91.1
106.1
41.1
55.1
69.1
77.1
97.1
111.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

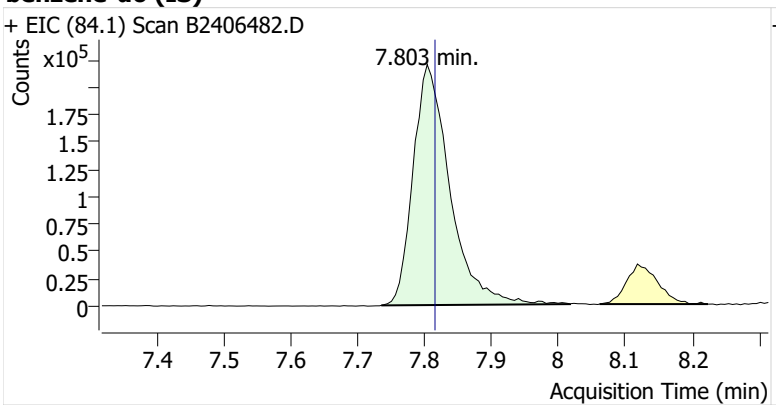
Name	CGOSP-13-S-20241105
Comment	B50658
Data File	B2406482.D
Acq. Date-Time	11/24/2024 5:08:11 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

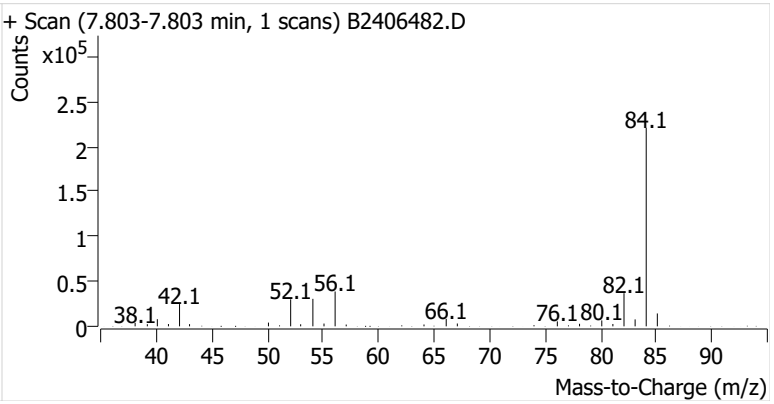
Sample Chromatogram



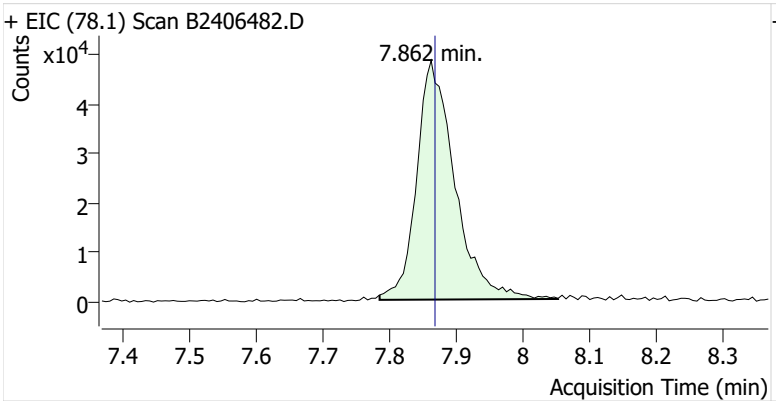
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.803	7.815	841,153	
Benzene	benzene-d6 (IS)	7.862	7.868	191,510	
Toluene-d8 (IS)		10.676	10.693	940,398	
Toluene	Toluene-d8 (IS)	10.777	10.794	2,075,814	
Ethylbenzene	Toluene-d8 (IS)	13.175	13.198	232,304	
m-/p-Xylenes	Toluene-d8 (IS)	13.371	13.412	543,305	
o-Xylene	Toluene-d8 (IS)	13.917	13.934	207,435	

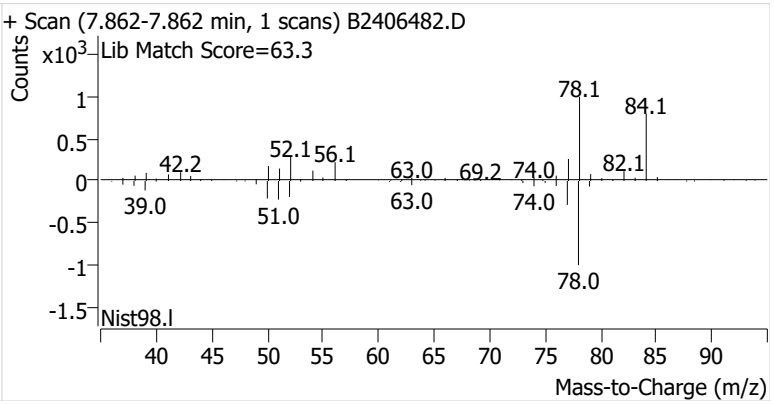
benzene-d6 (IS)



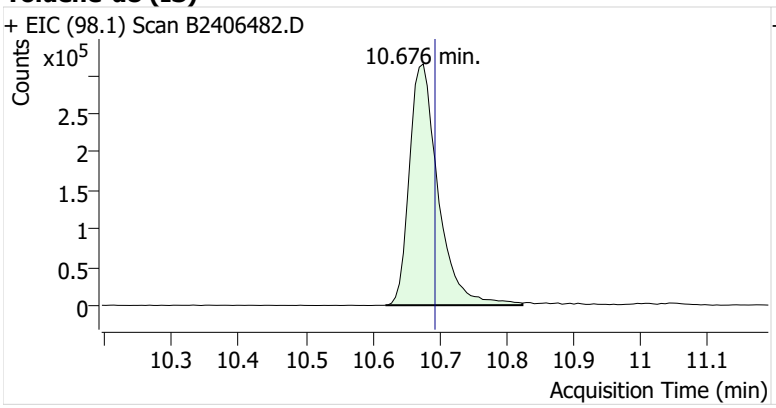


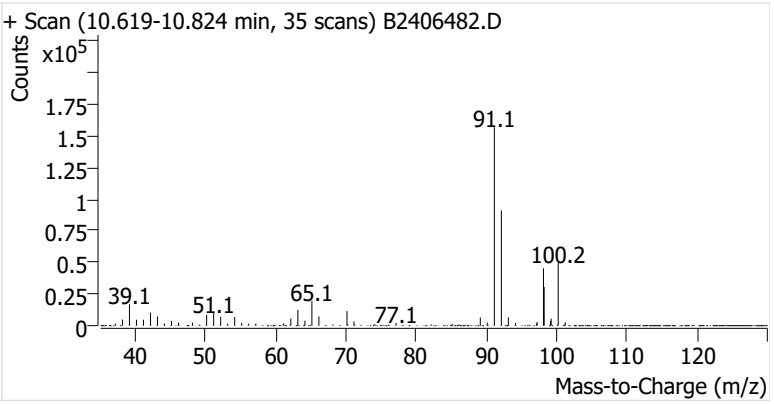
Benzene



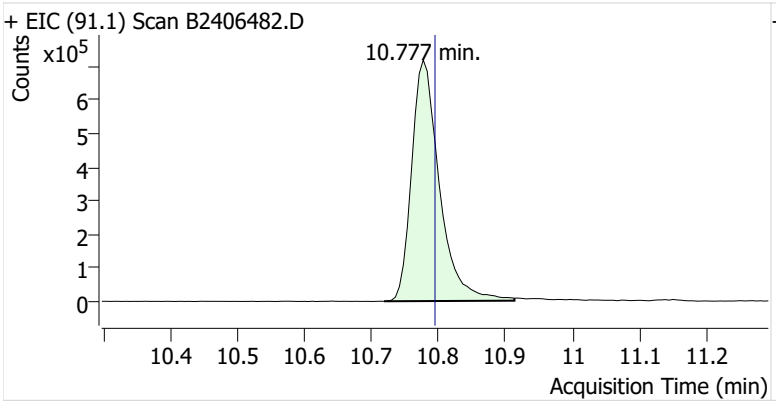


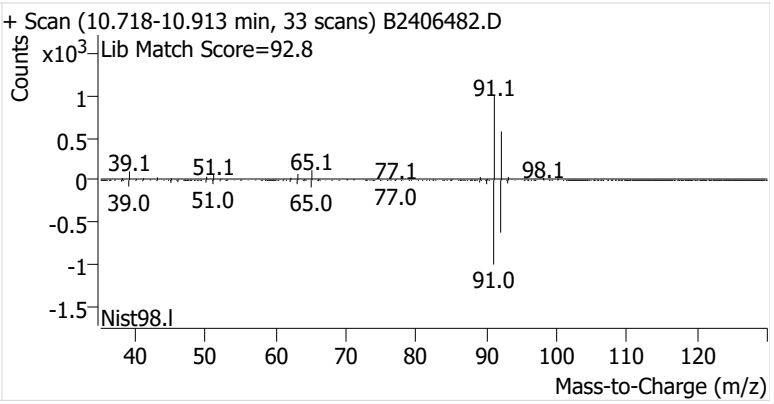
Toluene-d8 (IS)



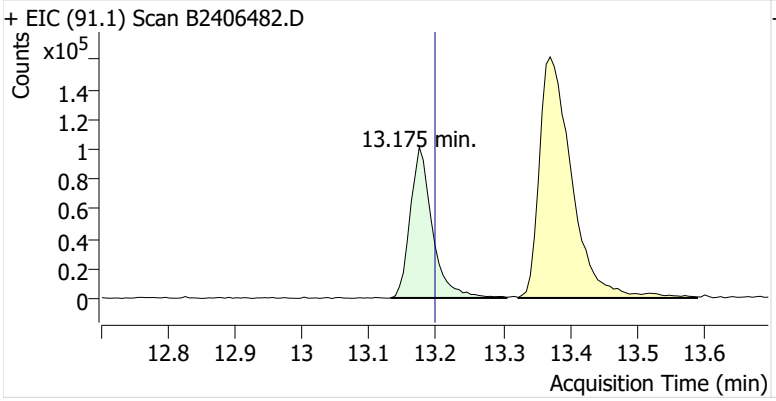


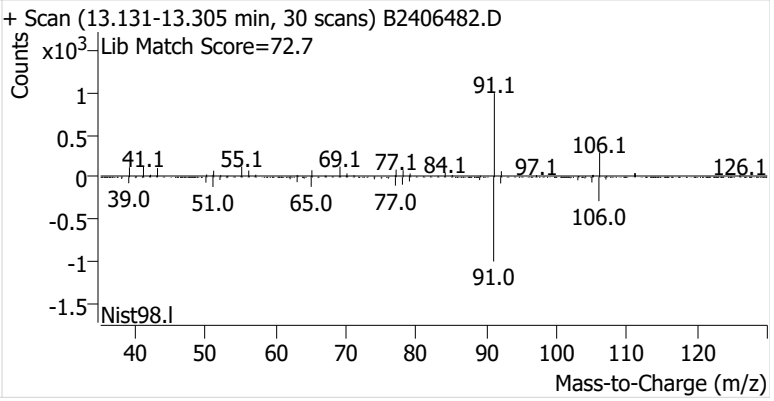
Toluene



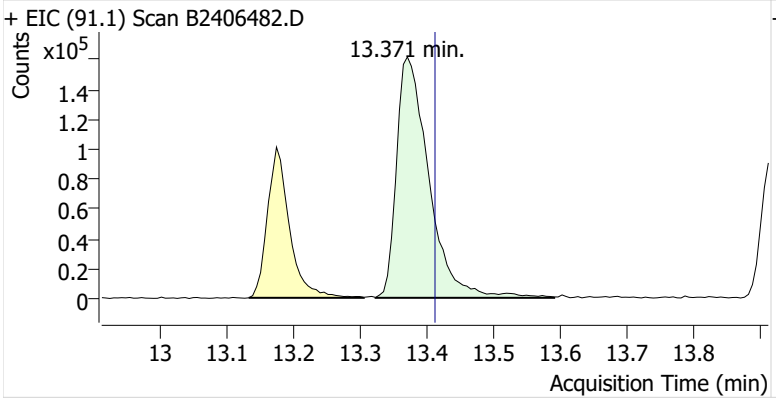


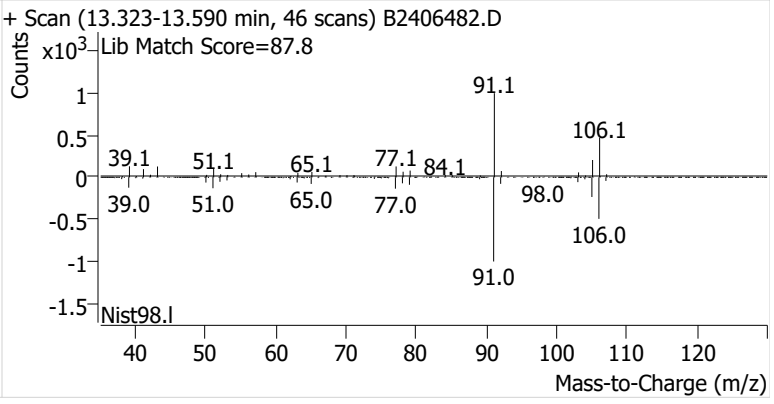
Ethylbenzene



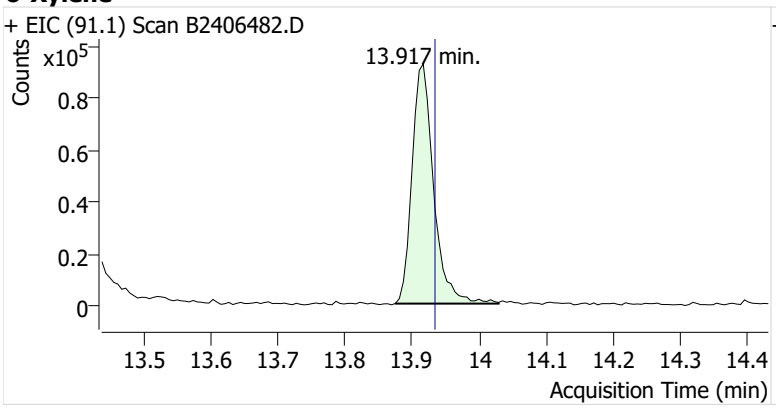


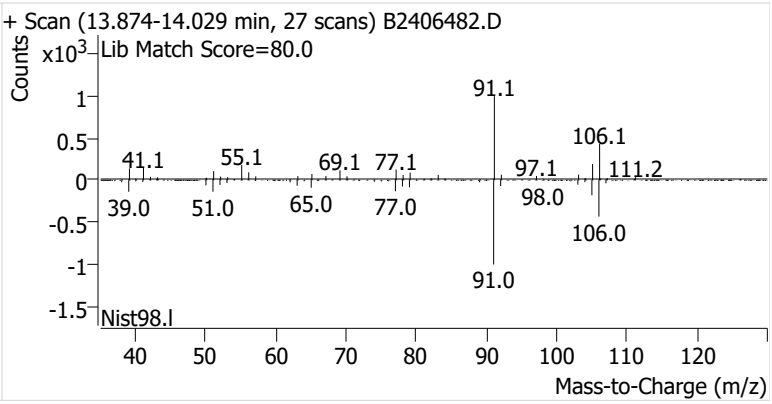
m-/p-Xylenes





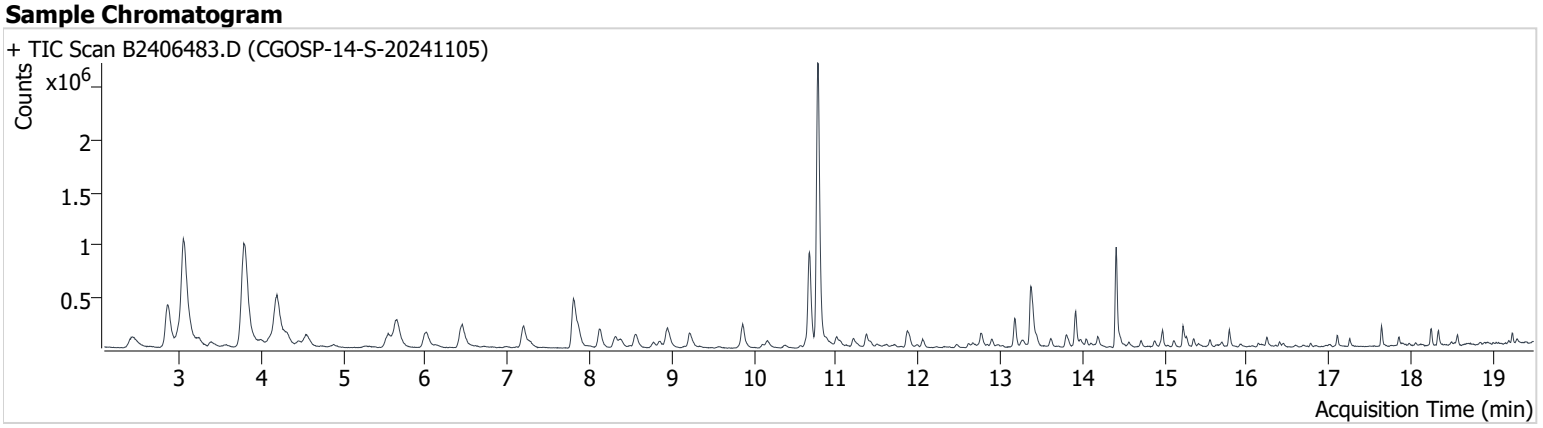
o-Xylene


+ EIC (91.1) Scan B2406482.D
Counts
x10^5
13.917 min.
0.8
0.6
0.4
0.2
0
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)


+ Scan (13.874-14.029 min, 27 scans) B2406482.D
Counts
x10^3
Lib Match Score=80.0
91.1
106.1
41.1
55.1
69.1
77.1
97.1
111.2
98.0
39.0
51.0
65.0
77.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

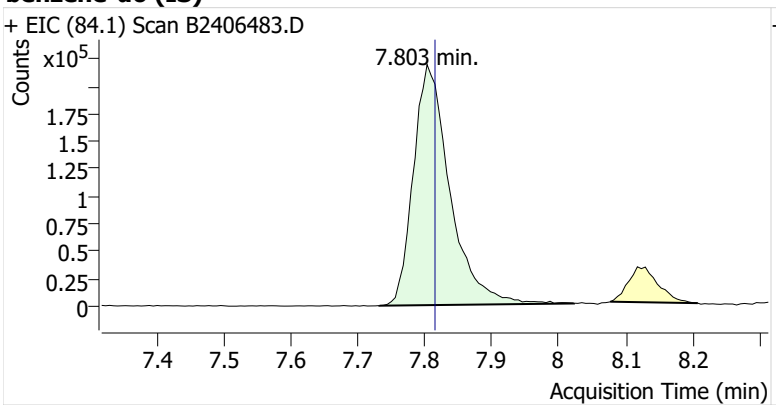
Name	CGOSP-14-S-20241105
Comment	B52725
Data File	B2406483.D
Acq. Date-Time	11/24/2024 5:45:34 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

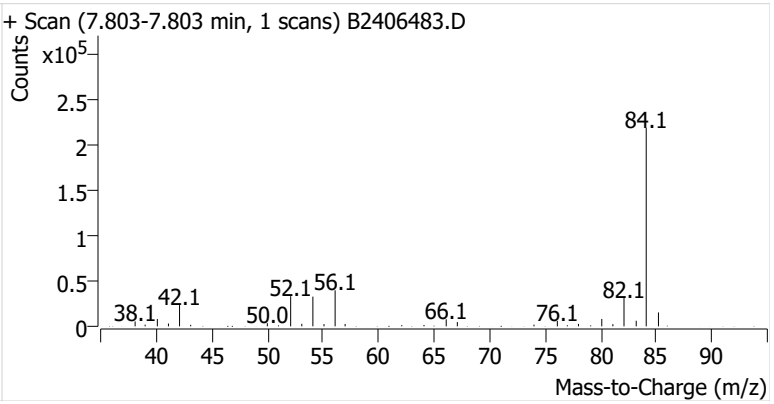
Sample Chromatogram



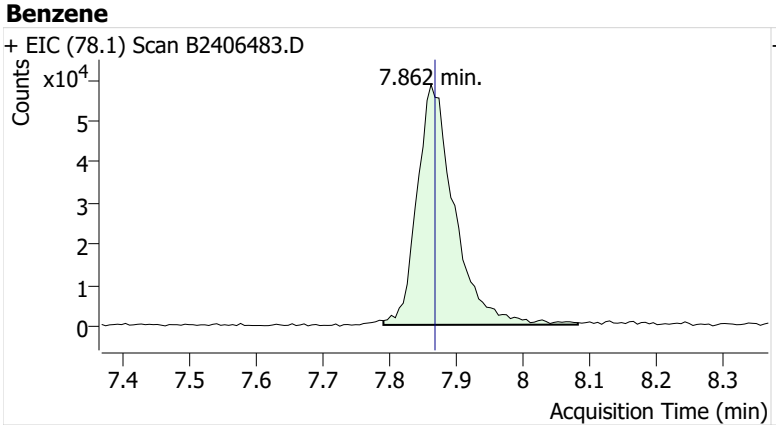
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.803	7.815	831,225	
Benzene	benzene-d6 (IS)	7.862	7.868	227,512	
Toluene-d8 (IS)		10.676	10.693	934,888	
Toluene	Toluene-d8 (IS)	10.780	10.794	3,184,120	
Ethylbenzene	Toluene-d8 (IS)	13.174	13.198	270,710	
m-/p-Xylenes	Toluene-d8 (IS)	13.370	13.412	633,909	
o-Xylene	Toluene-d8 (IS)	13.916	13.934	253,371	

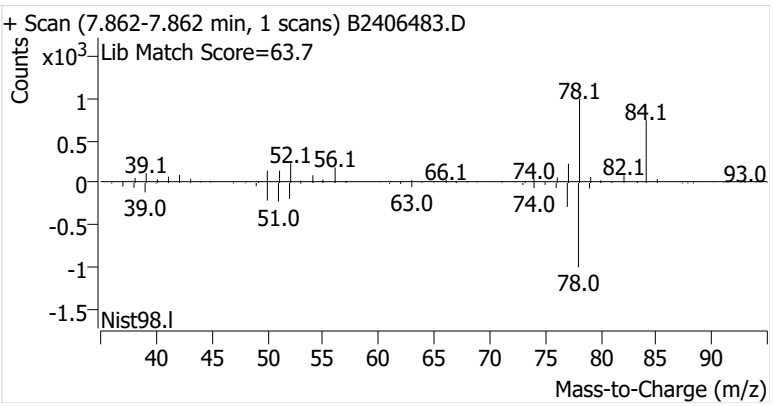
benzene-d6 (IS)



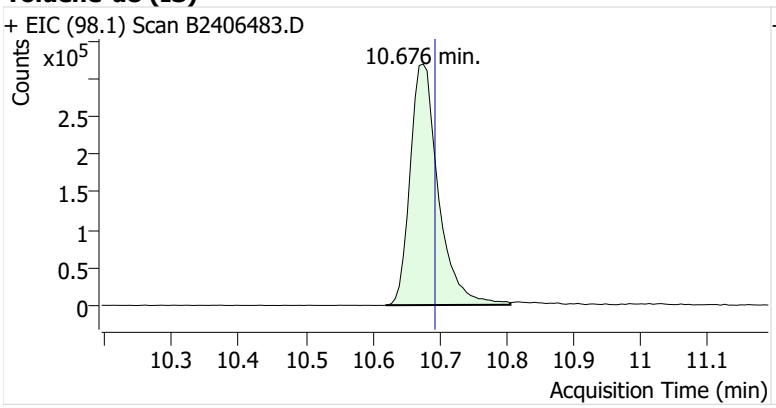


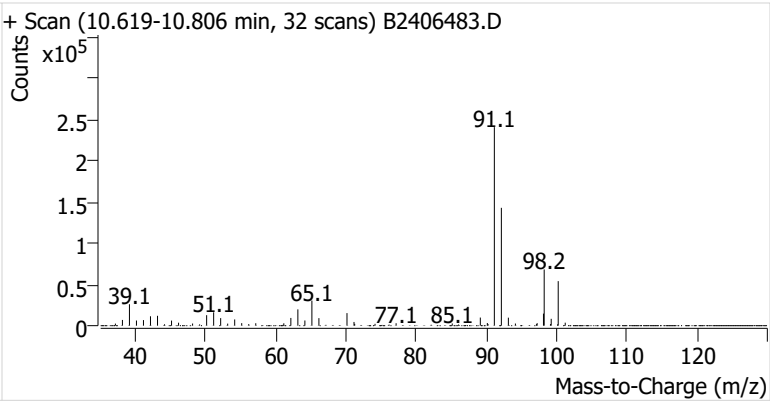
Benzene



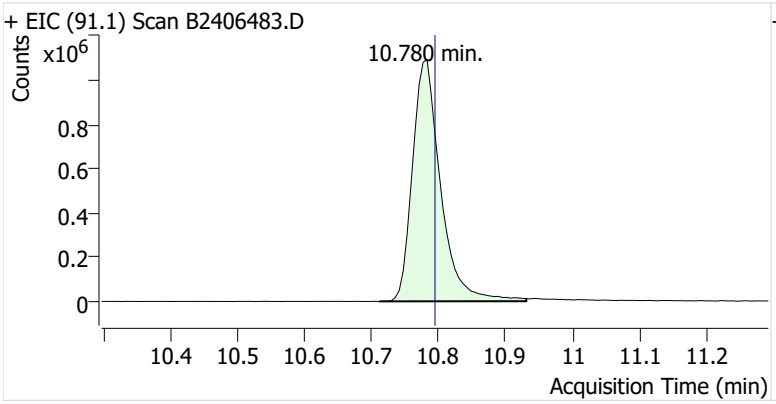


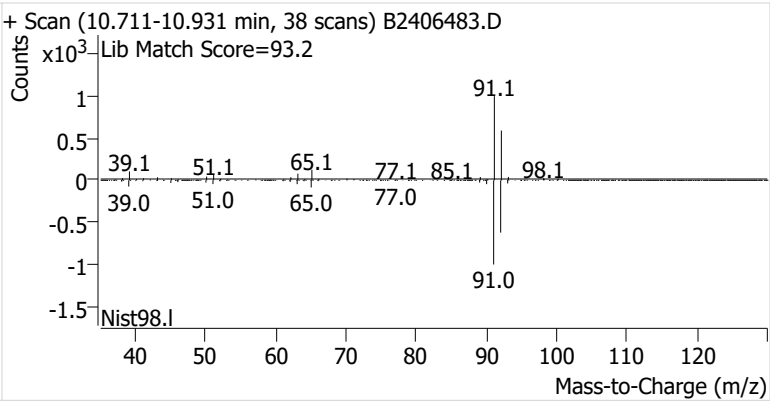
Toluene-d8 (IS)



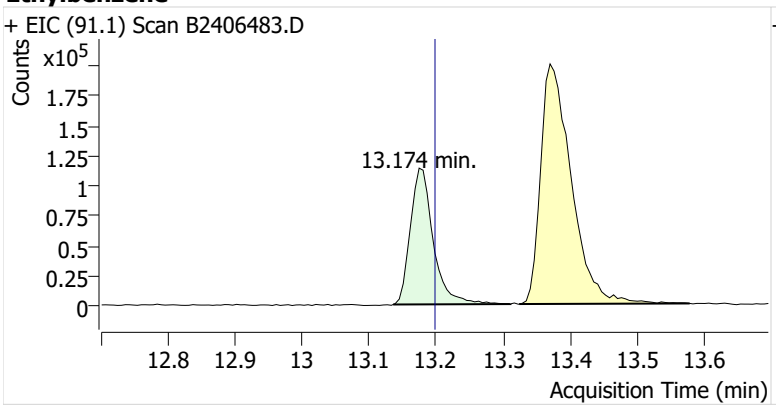


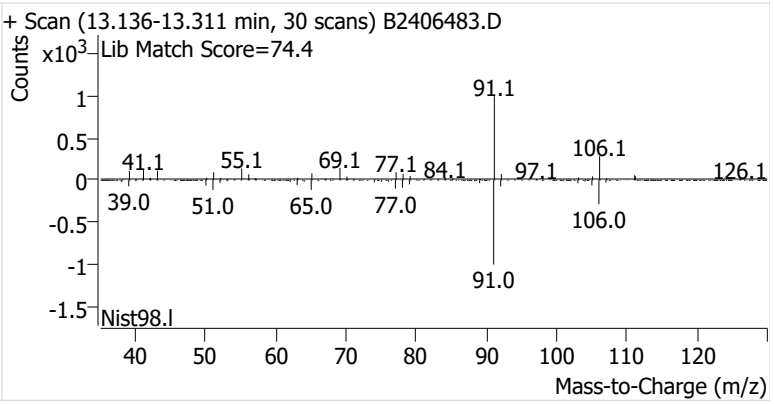
Toluene



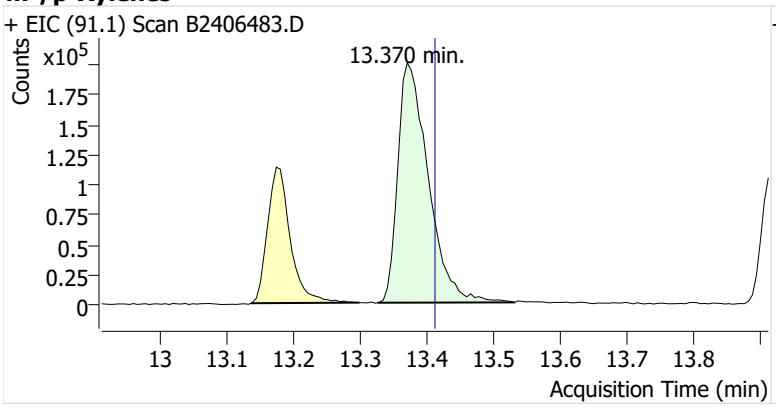


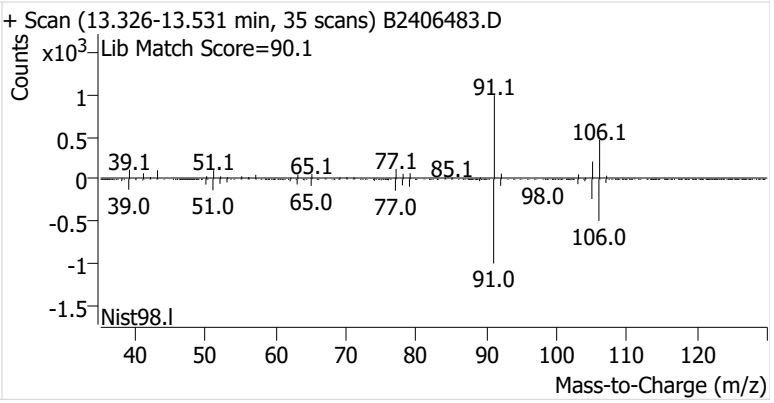
Ethylbenzene



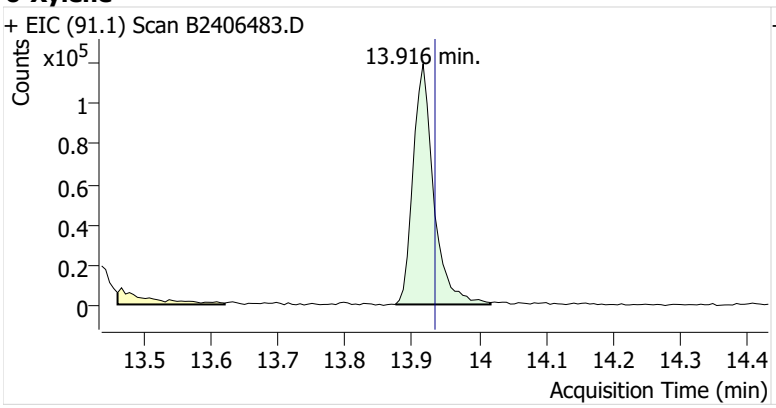


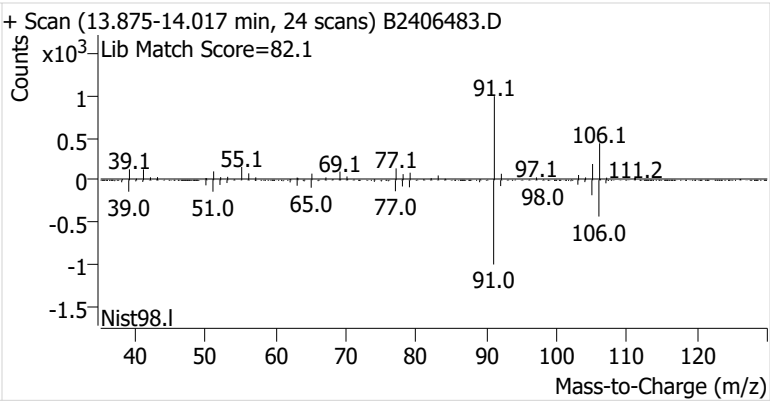
m-/p-Xylenes





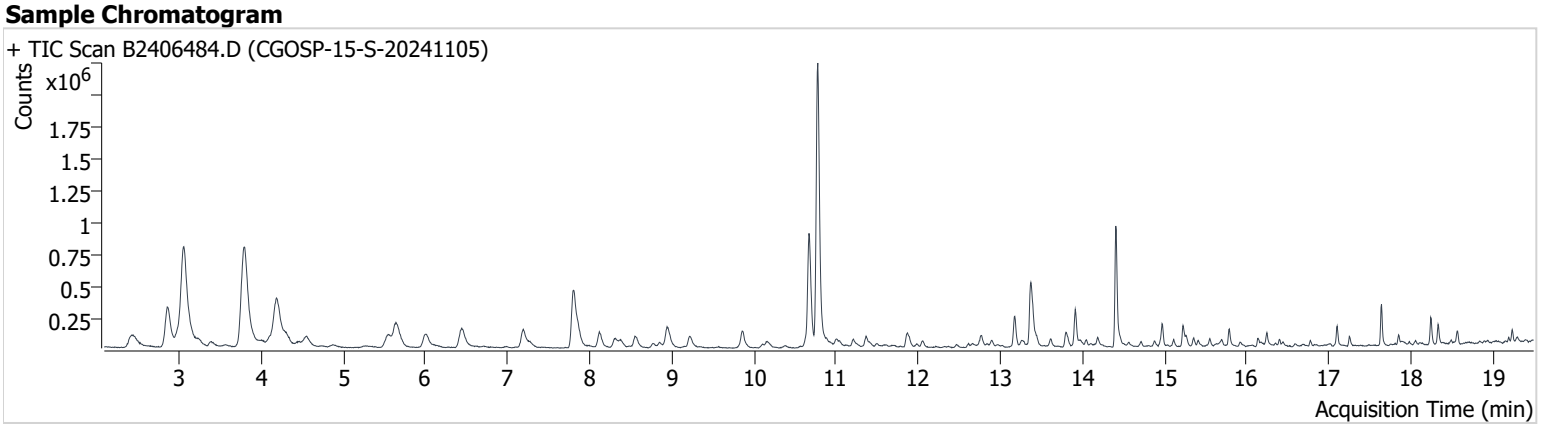
o-Xylene


+ EIC (91.1) Scan B2406483.D
Counts
x10^5
13.916 min.
1
0.8
0.6
0.4
0.2
0
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)


+ Scan (13.875-14.017 min, 24 scans) B2406483.D
Counts
x10^3
Lib Match Score=82.1
91.1
106.1
39.1
55.1
69.1
77.1
97.1
111.2
98.0
39.0
51.0
65.0
77.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

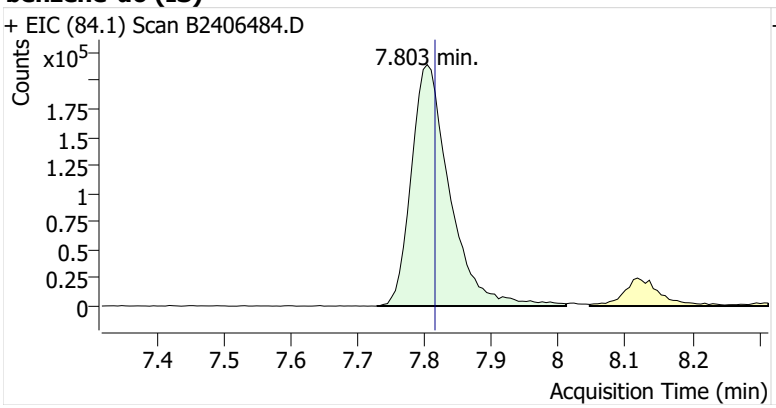
Name	CGOSP-15-S-20241105
Comment	C02000
Data File	B2406484.D
Acq. Date-Time	11/24/2024 6:22:55 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

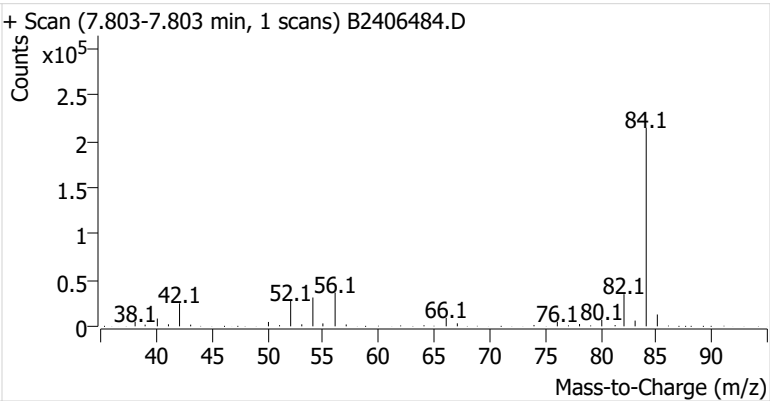
Sample Chromatogram



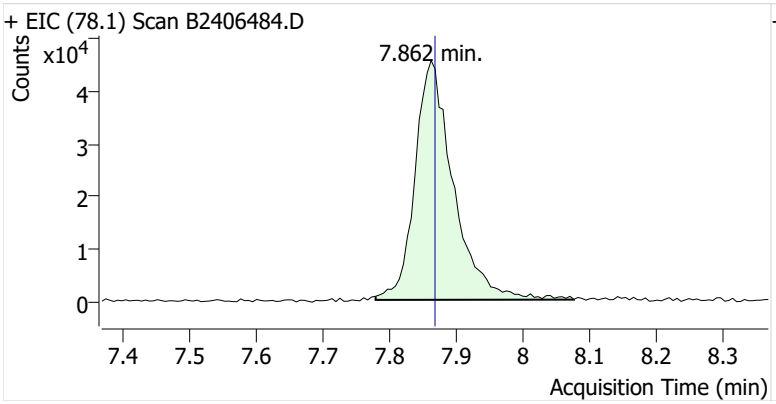
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.803	7.815	855,694	
Benzene	benzene-d6 (IS)	7.862	7.868	180,945	
Toluene-d8 (IS)		10.670	10.693	932,212	
Toluene	Toluene-d8 (IS)	10.777	10.794	2,594,840	
Ethylbenzene	Toluene-d8 (IS)	13.175	13.198	241,582	
m-/p-Xylenes	Toluene-d8 (IS)	13.370	13.412	564,919	
o-Xylene	Toluene-d8 (IS)	13.911	13.934	220,538	

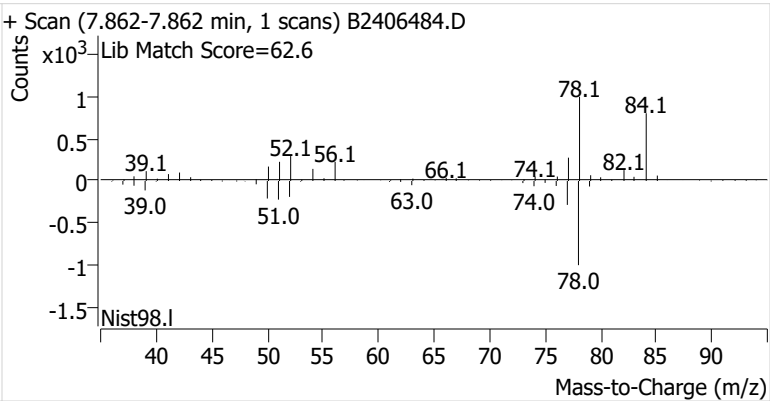
benzene-d6 (IS)



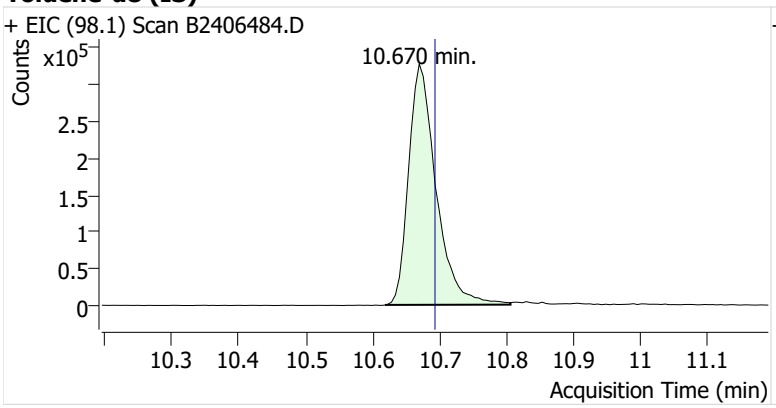


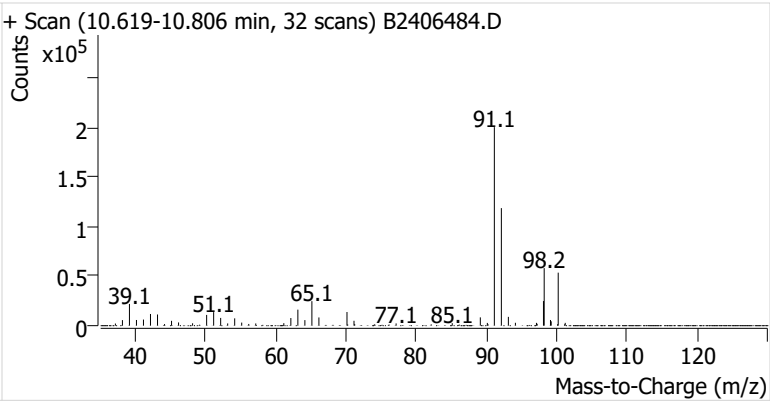
Benzene



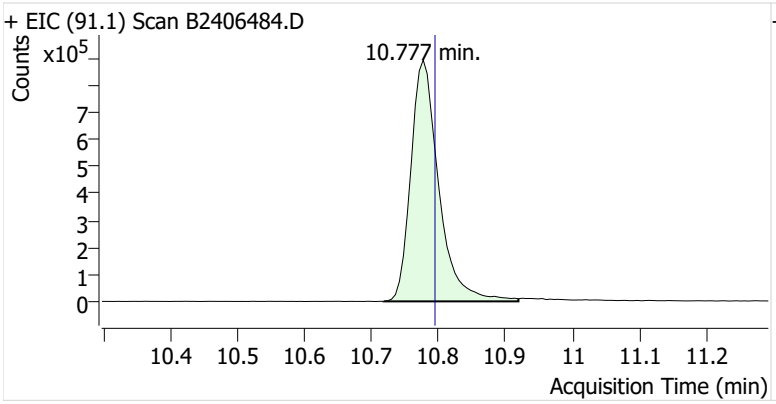


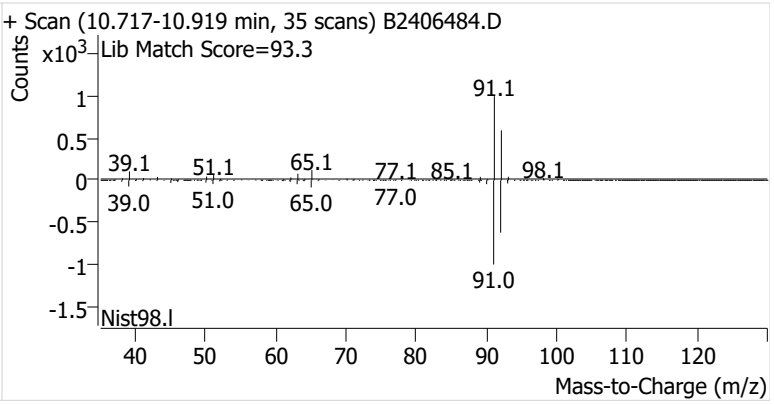
Toluene-d8 (IS)



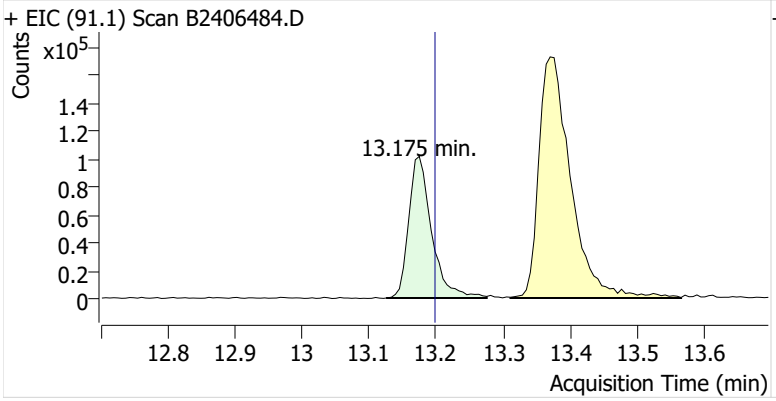


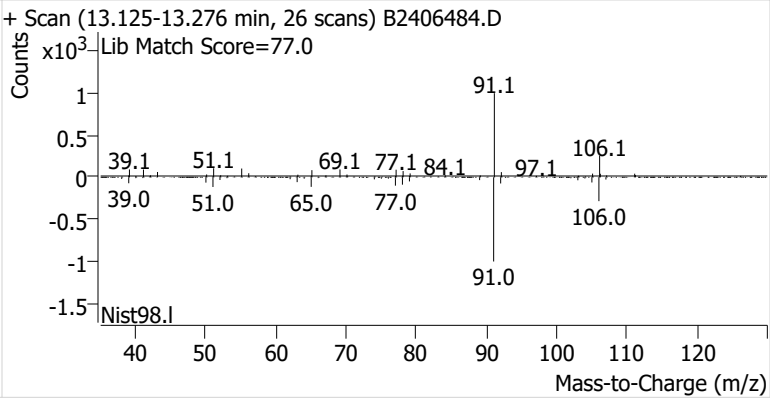
Toluene



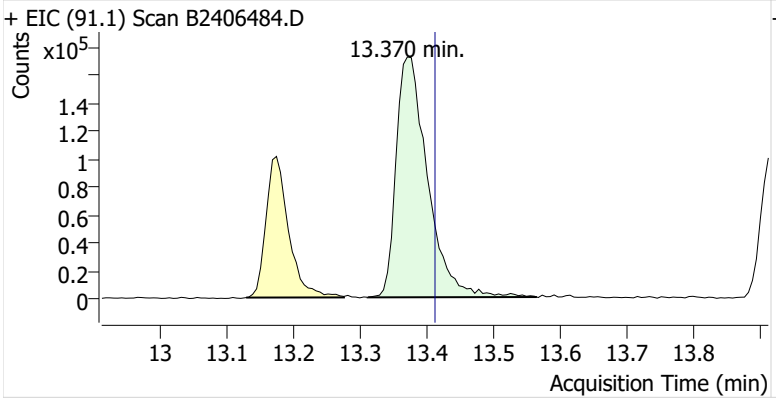


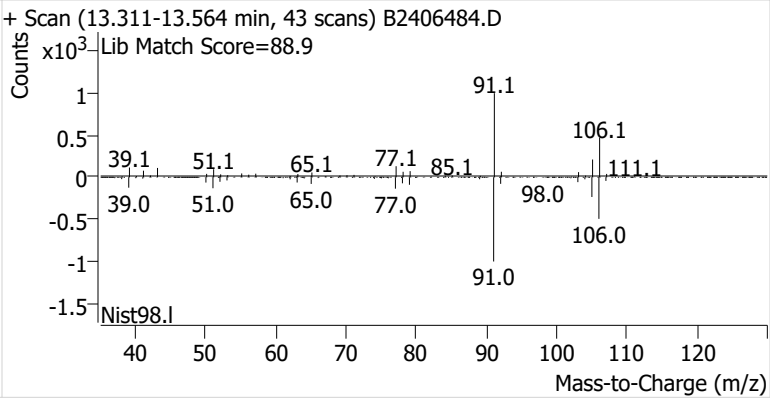
Ethylbenzene



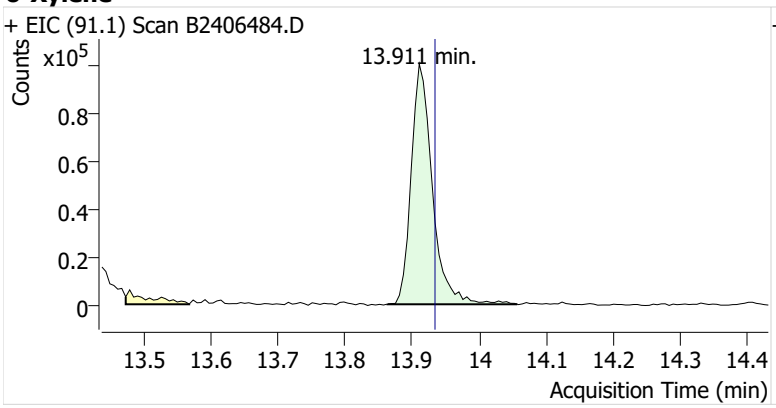


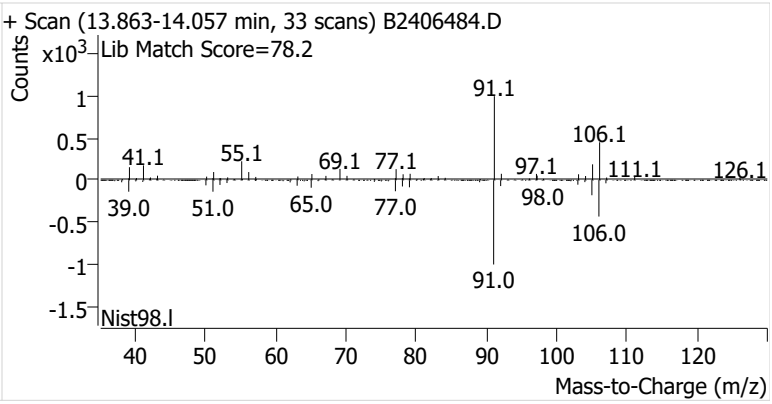
m-/p-Xylenes





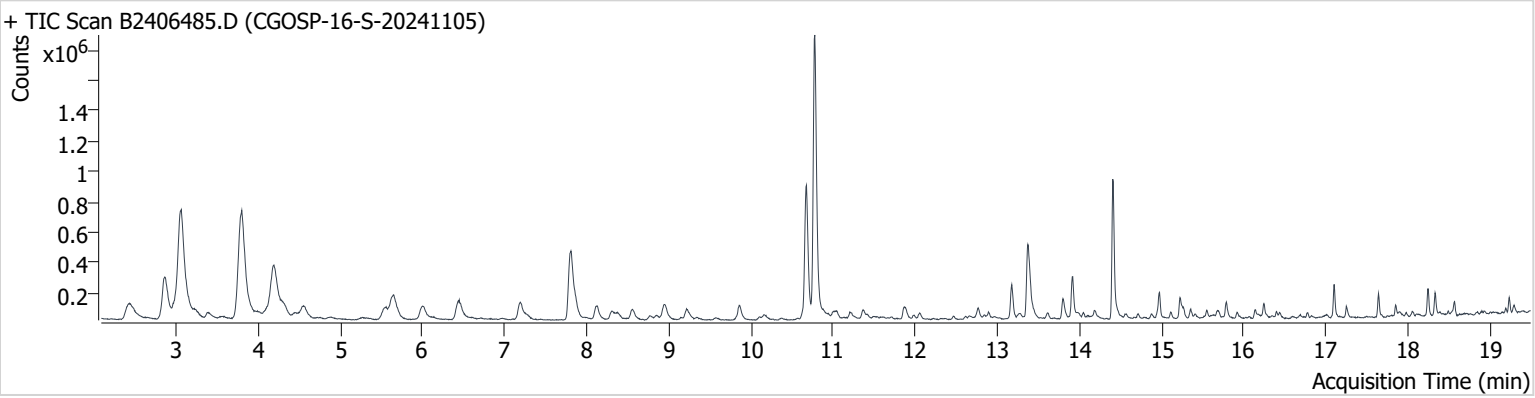
o-Xylene


+ EIC (91.1) Scan B2406484.D
Counts
x10^5
13.911 min.
0.8
0.6
0.4
0.2
0
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)


+ Scan (13.863-14.057 min, 33 scans) B2406484.D
Counts
x10^3
Lib Match Score=78.2
91.1
106.1
41.1
55.1
69.1
77.1
97.1
111.1
126.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

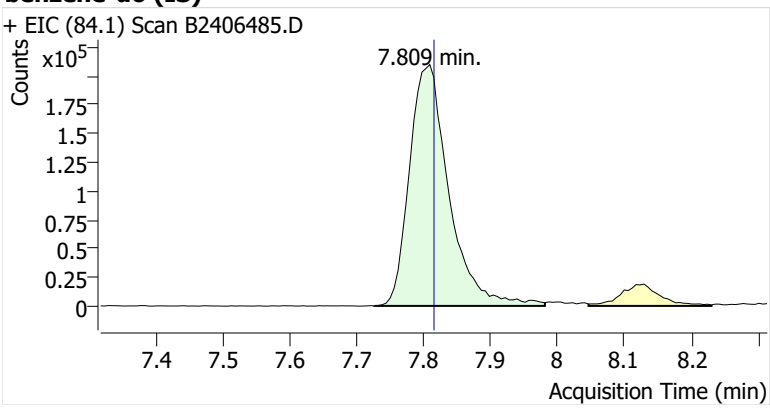
Name	CGOSP-16-S-20241105
Comment	C01384
Data File	B2406485.D
Acq. Date-Time	11/24/2024 7:00:16 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

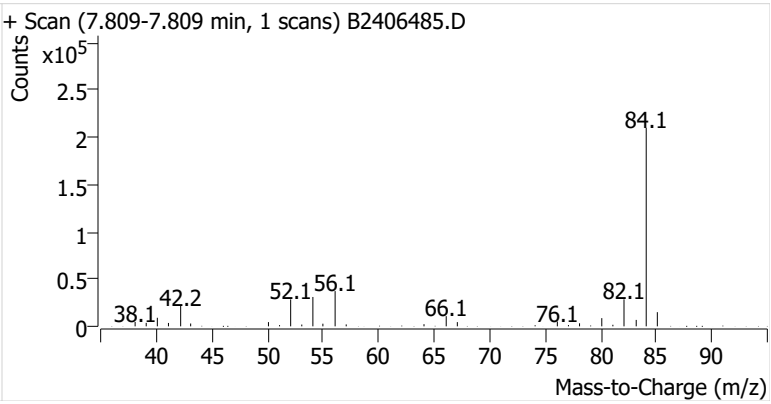
Sample Chromatogram



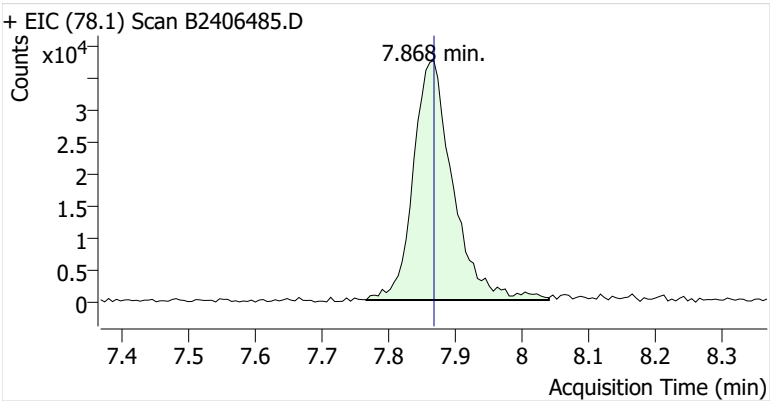
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.809	7.815	857,479	
Benzene	benzene-d6 (IS)	7.868	7.868	154,314	
Toluene-d8 (IS)		10.675	10.693	928,589	
Toluene	Toluene-d8 (IS)	10.776	10.794	2,177,809	
Ethylbenzene	Toluene-d8 (IS)	13.174	13.198	229,394	
m-/p-Xylenes	Toluene-d8 (IS)	13.370	13.412	547,227	
o-Xylene	Toluene-d8 (IS)	13.916	13.934	220,537	

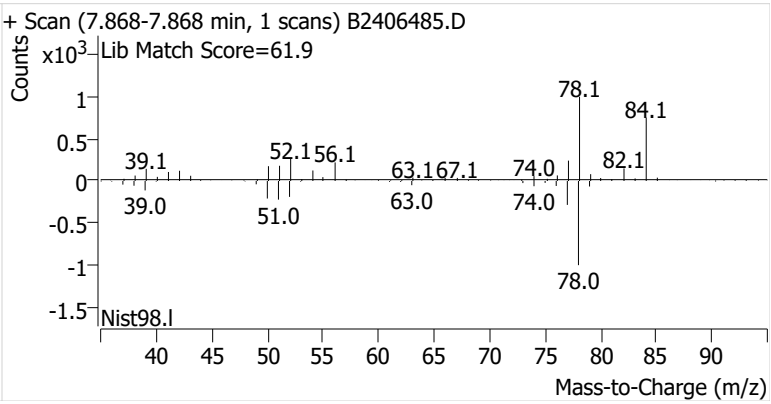
benzene-d6 (IS)



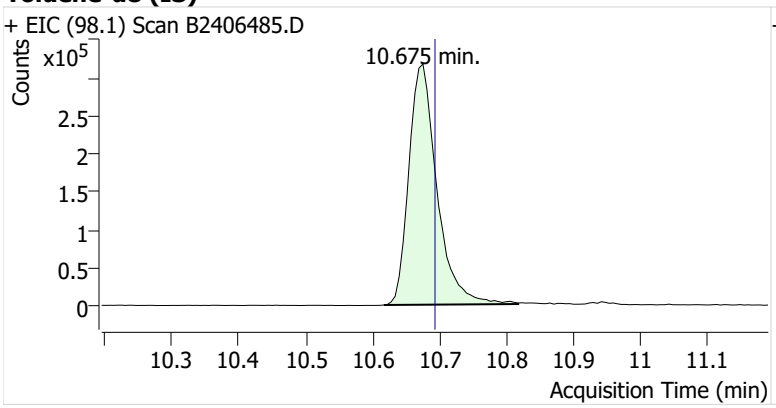


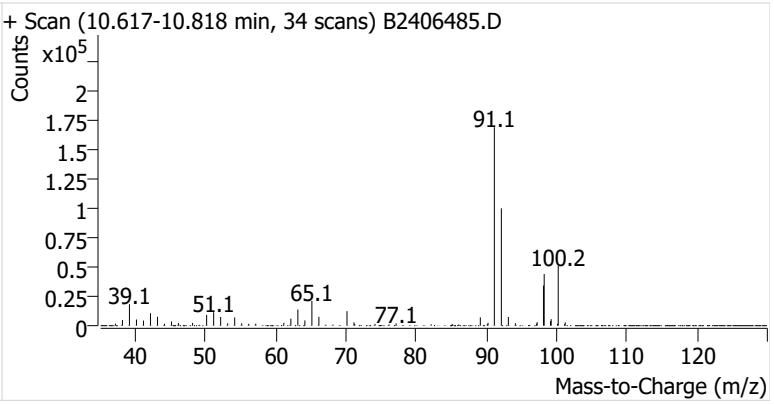
Benzene



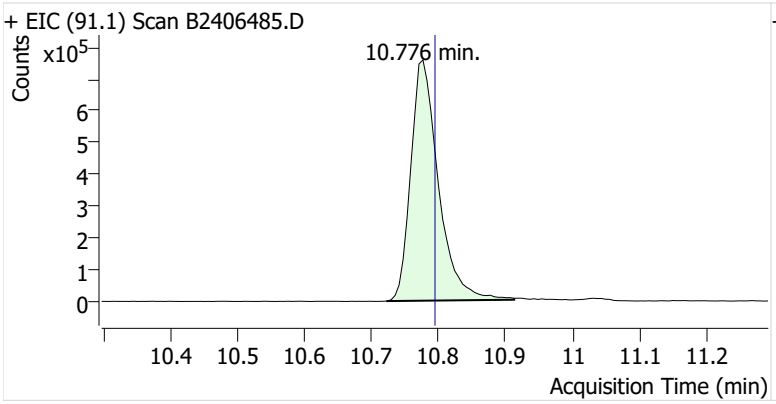


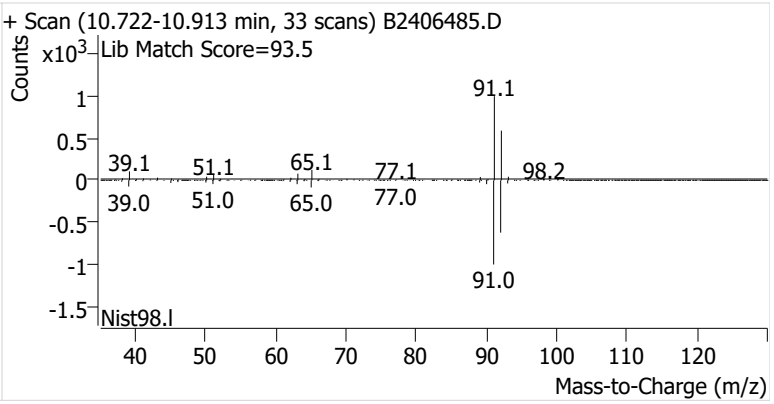
Toluene-d8 (IS)



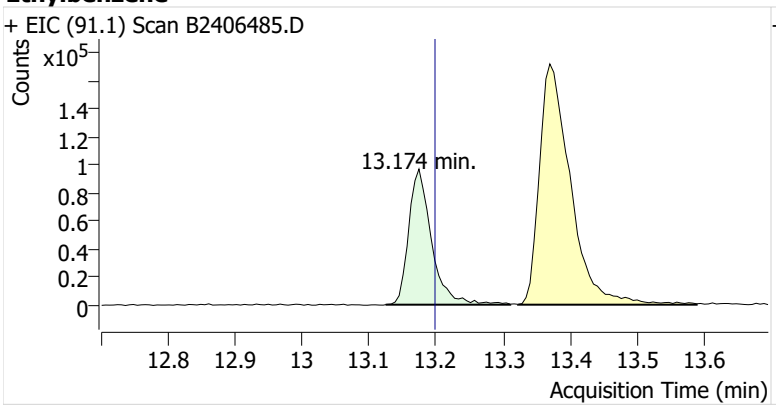


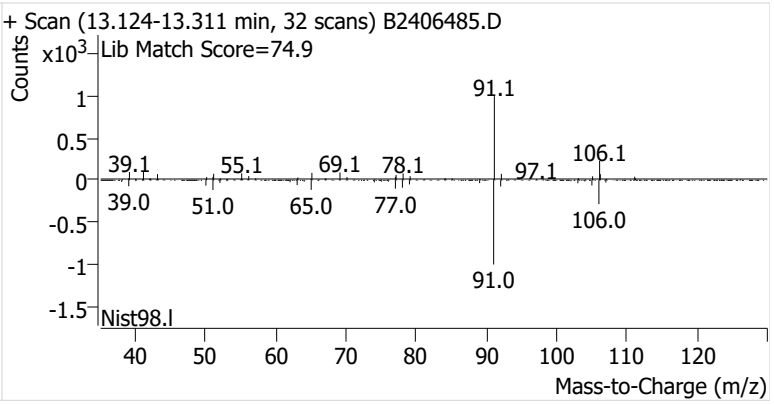
Toluene



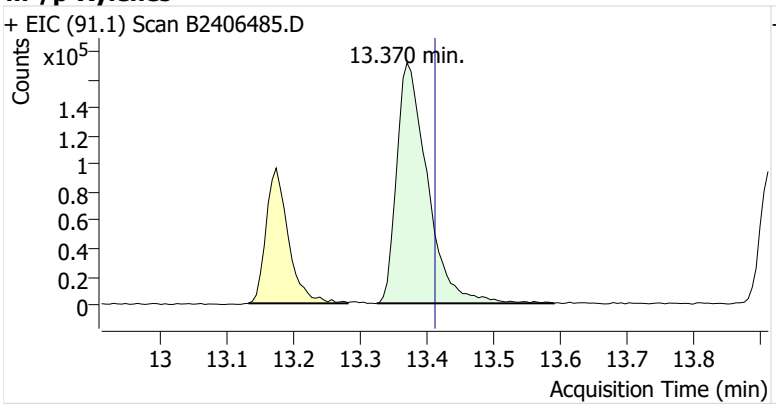


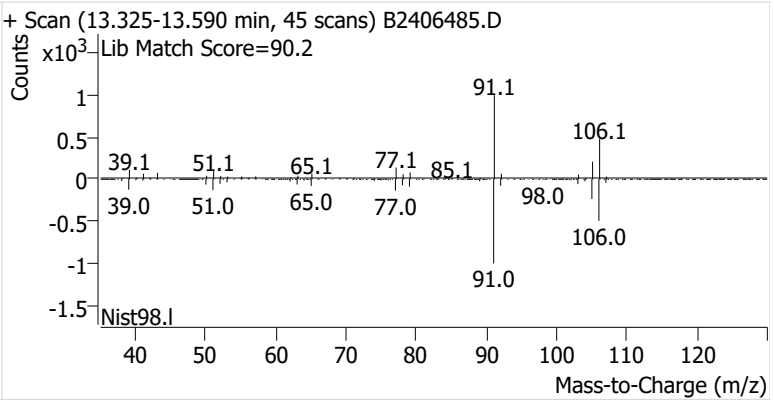
Ethylbenzene



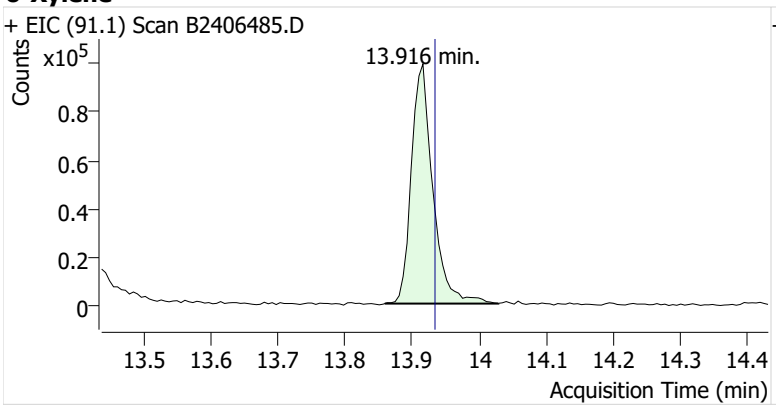


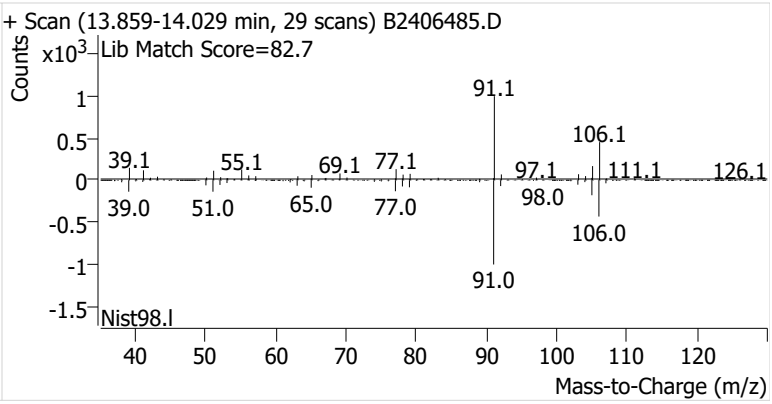
m-/p-Xylenes





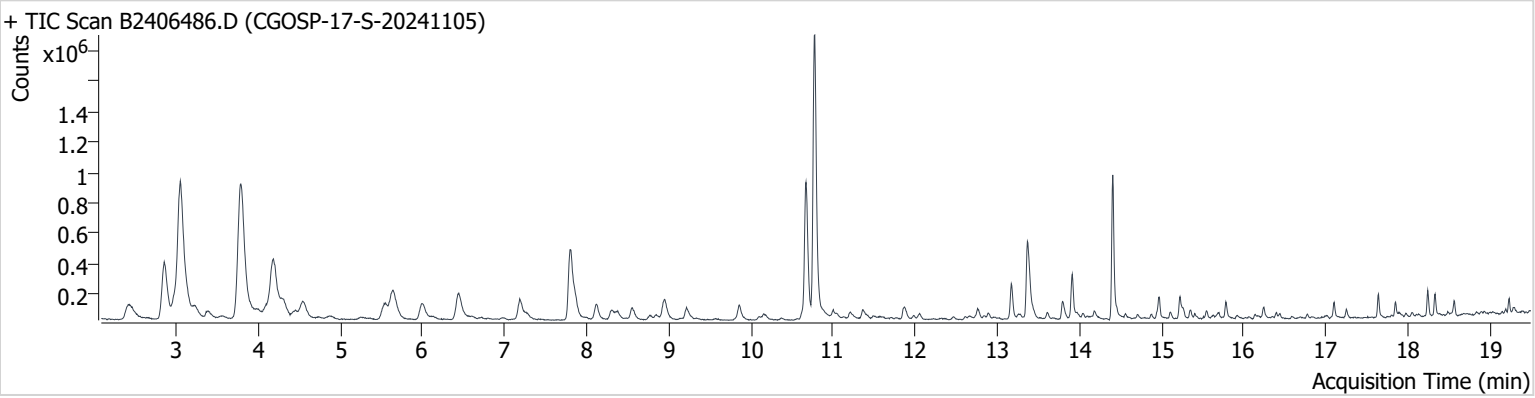
o-Xylene


+ EIC (91.1) Scan B2406485.D
Counts
x10^5
13.916 min.
0.8
0.6
0.4
0.2
0
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)


+ Scan (13.859-14.029 min, 29 scans) B2406485.D
Counts
x10^3
Lib Match Score=82.7
91.1
106.1
39.1
55.1
69.1
77.1
97.1
111.1
126.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

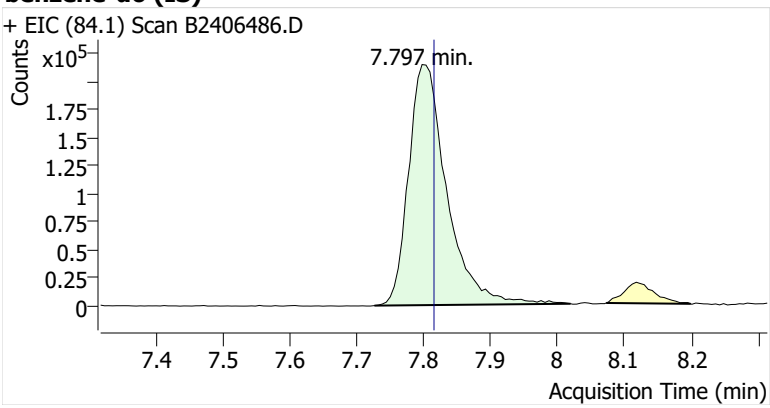
Name	CGOSP-17-S-20241105
Comment	B40267
Data File	B2406486.D
Acq. Date-Time	11/24/2024 7:37:39 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

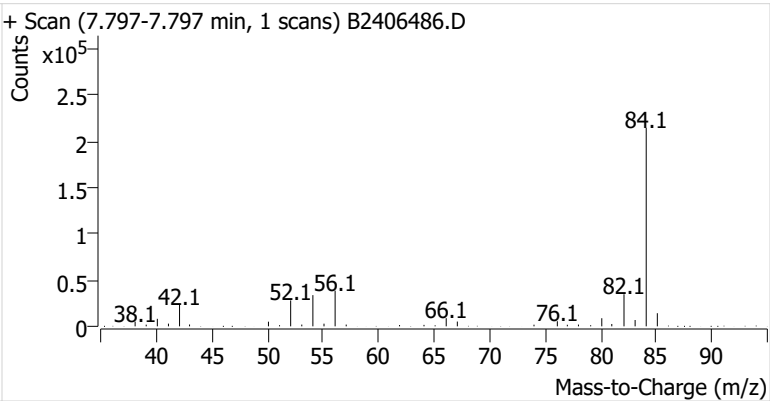
Sample Chromatogram



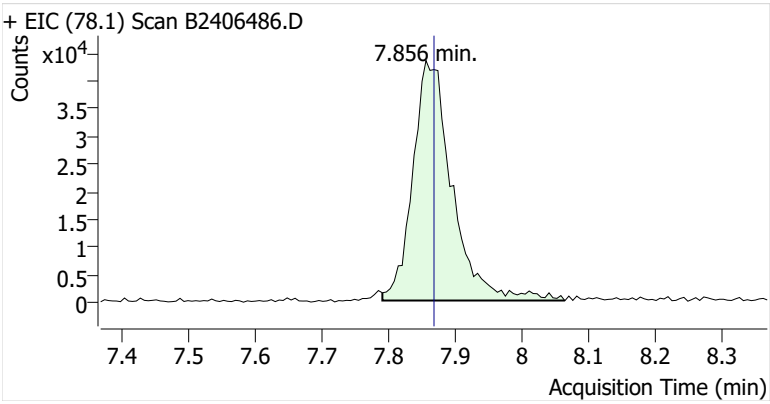
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.797	7.815	849,369	
Benzene	benzene-d6 (IS)	7.856	7.868	177,433	
Toluene-d8 (IS)		10.670	10.693	954,892	
Toluene	Toluene-d8 (IS)	10.776	10.794	2,233,245	
Ethylbenzene	Toluene-d8 (IS)	13.168	13.198	227,878	
m-/p-Xylenes	Toluene-d8 (IS)	13.364	13.412	567,196	
o-Xylene	Toluene-d8 (IS)	13.910	13.934	227,459	

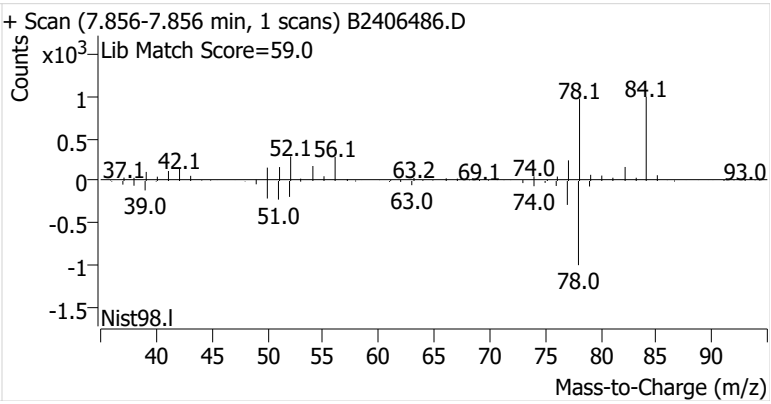
benzene-d6 (IS)



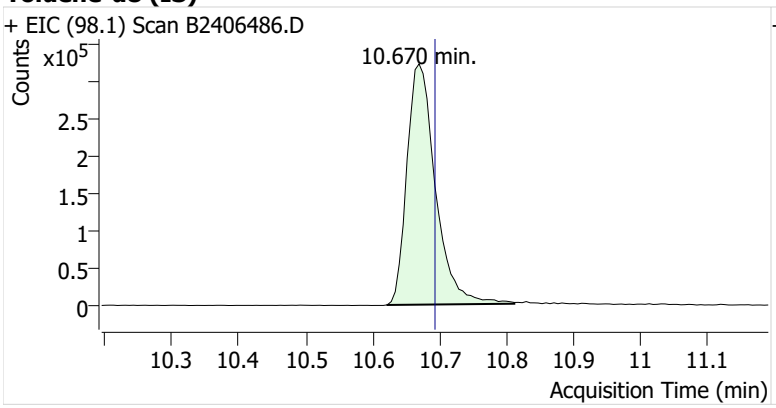


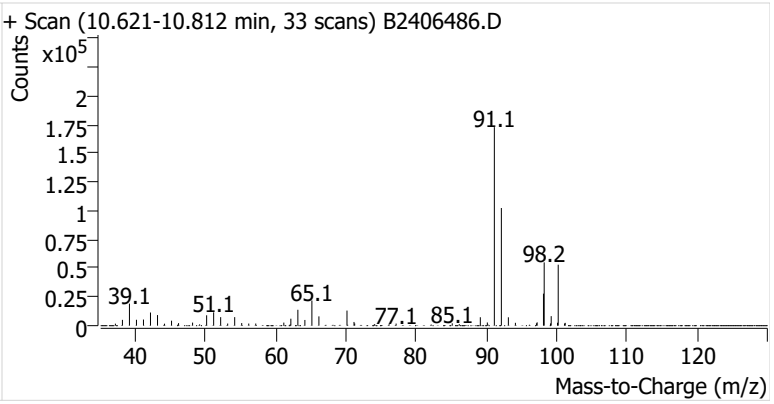
Benzene



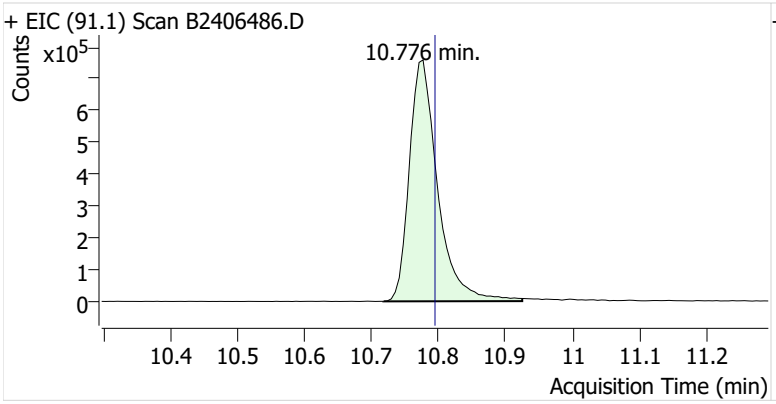


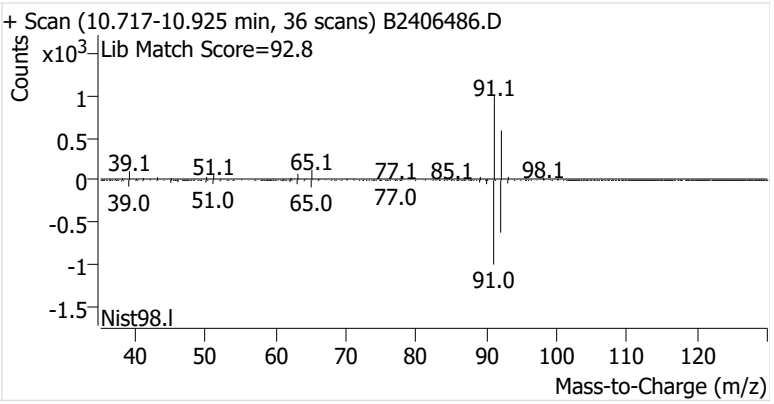
Toluene-d8 (IS)



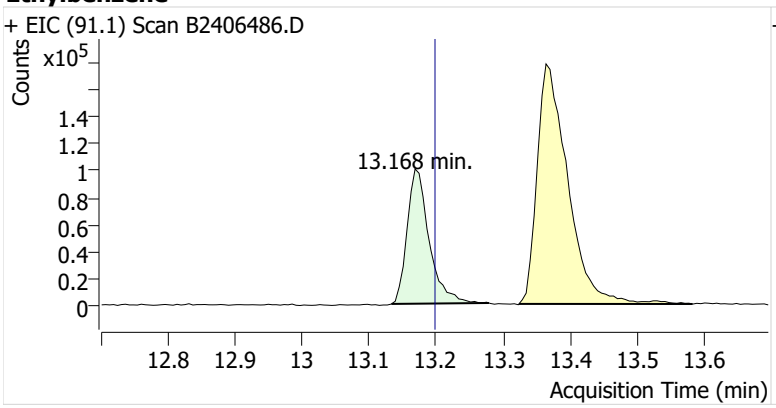


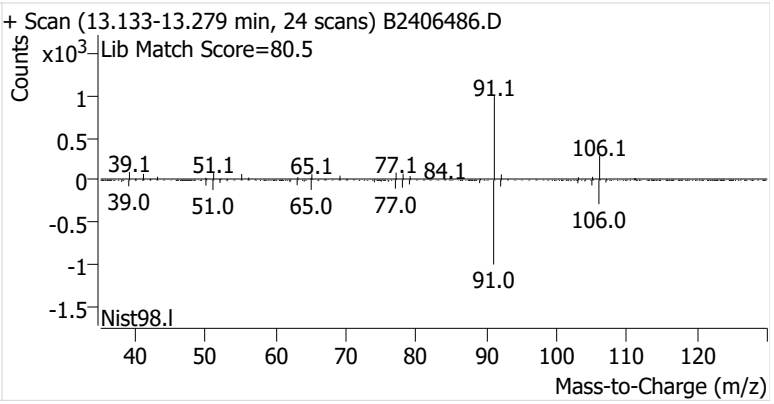
Toluene



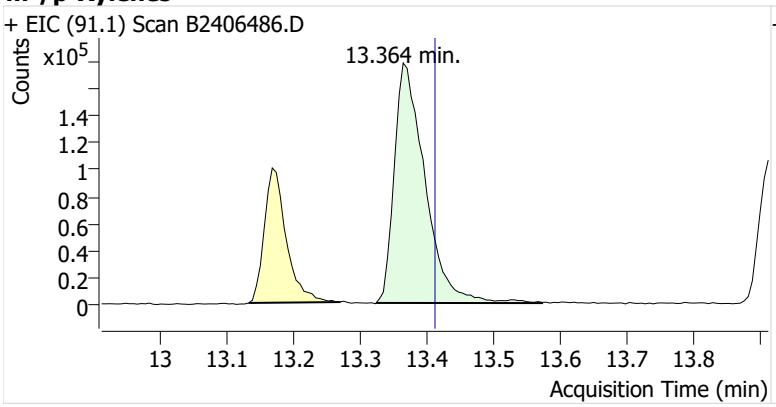


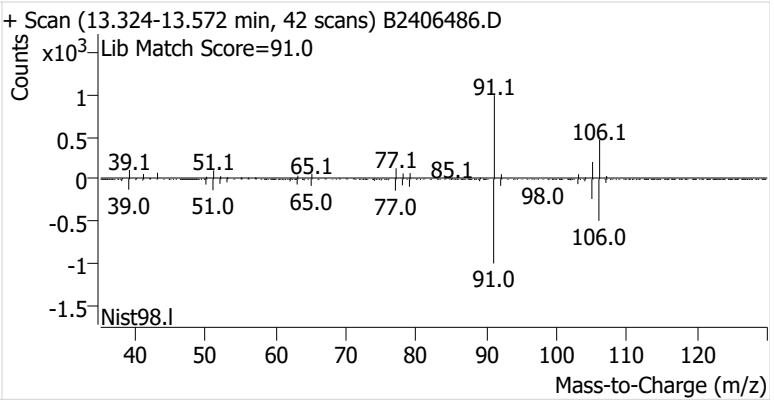
Ethylbenzene



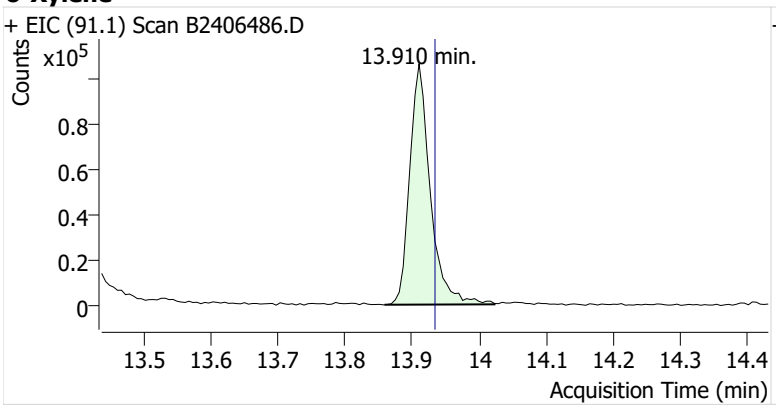


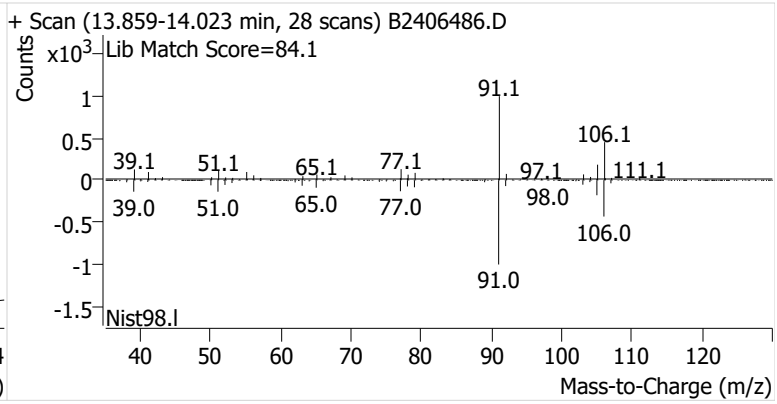
m-/p-Xylenes





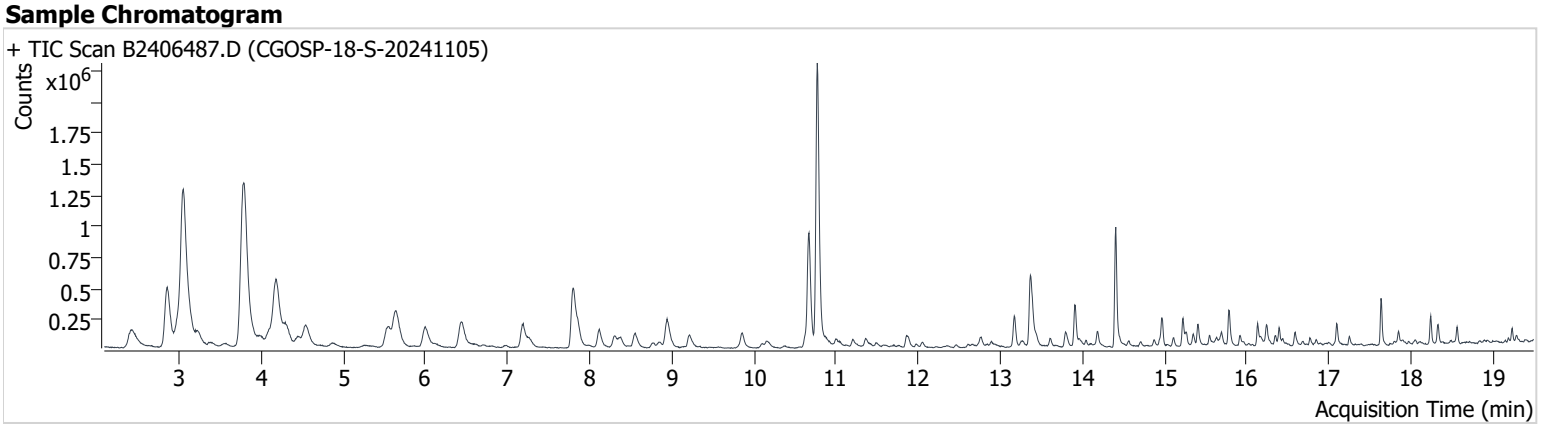
o-Xylene


+ EIC (91.1) Scan B2406486.D
Counts
x10^5
13.910 min.
0.8
0.6
0.4
0.2
0
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)


+ Scan (13.859-14.023 min, 28 scans) B2406486.D
Counts
x10^3
Lib Match Score=84.1
91.1
106.1
39.1
51.1
65.1
77.1
97.1
111.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

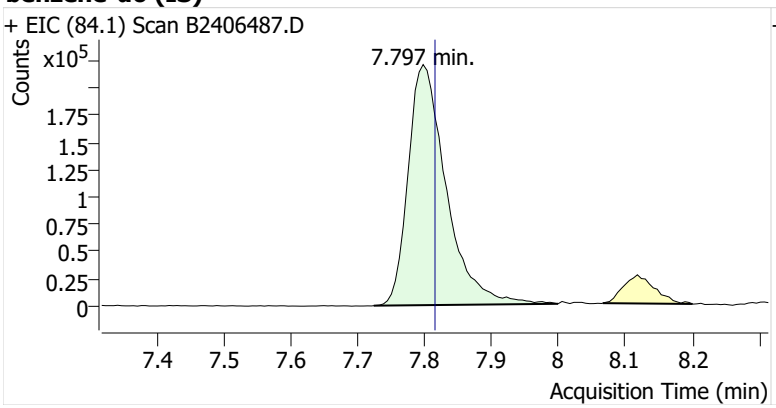
Name	CGOSP-18-S-20241105
Comment	C40150
Data File	B2406487.D
Acq. Date-Time	11/24/2024 8:15:00 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

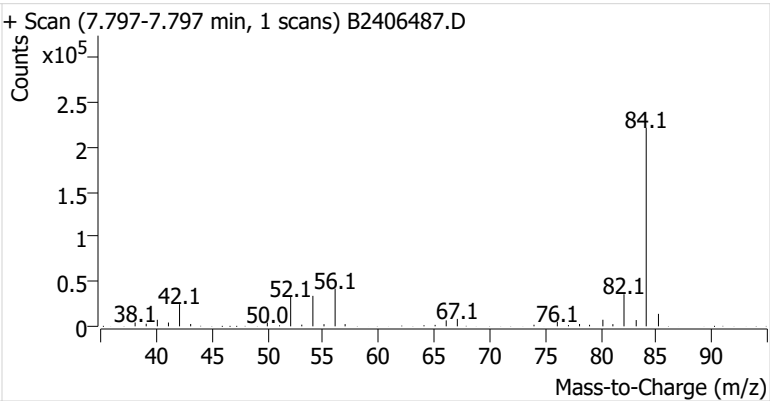
Sample Chromatogram



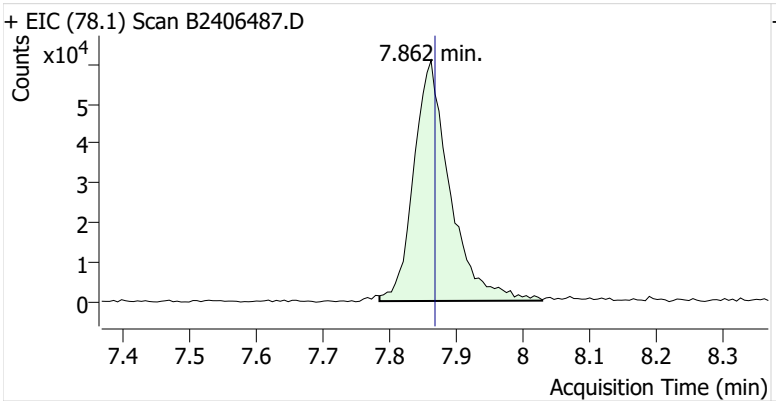
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.797	7.815	873,277	
Benzene	benzene-d6 (IS)	7.862	7.868	227,914	
Toluene-d8 (IS)		10.670	10.693	968,404	
Toluene	Toluene-d8 (IS)	10.771	10.794	2,621,261	
Ethylbenzene	Toluene-d8 (IS)	13.169	13.198	248,219	
m-/p-Xylenes	Toluene-d8 (IS)	13.370	13.412	639,778	
o-Xylene	Toluene-d8 (IS)	13.910	13.934	263,488	

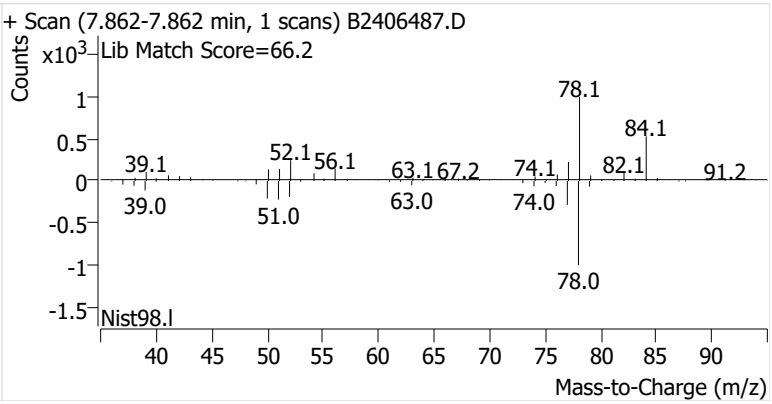
benzene-d6 (IS)



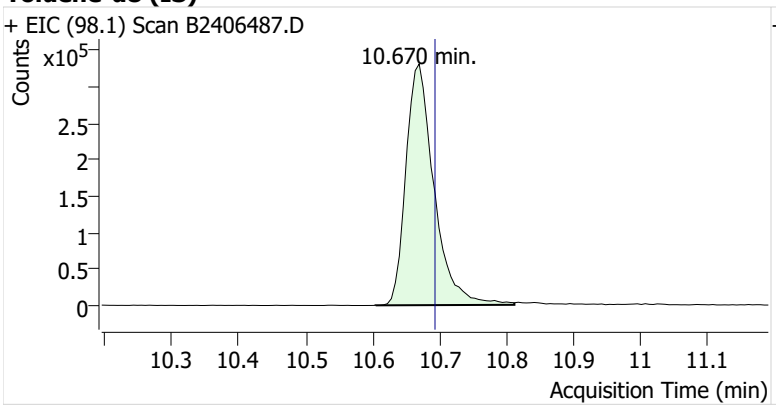


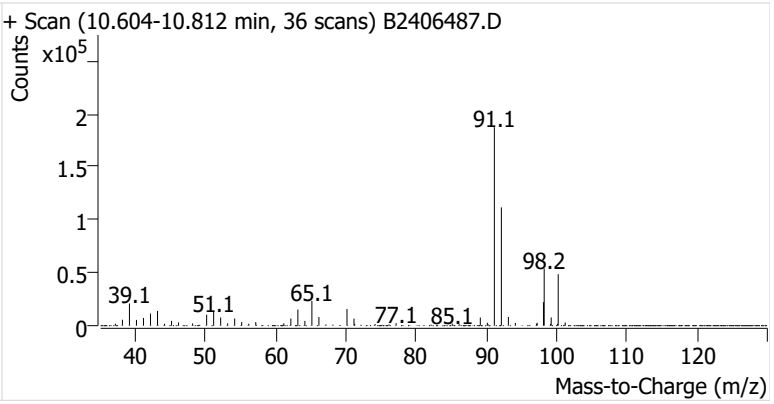
Benzene



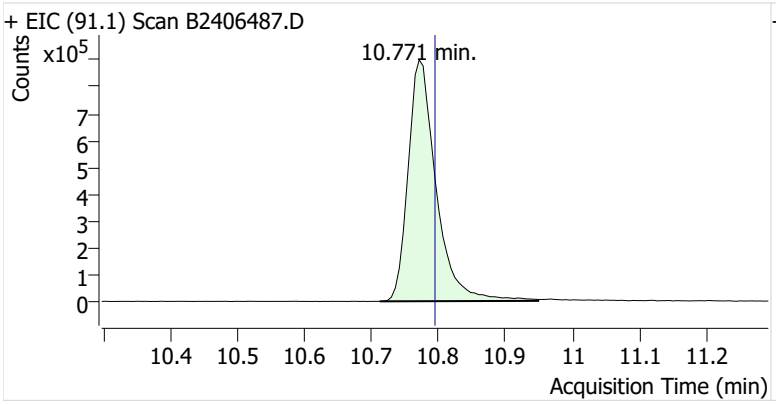


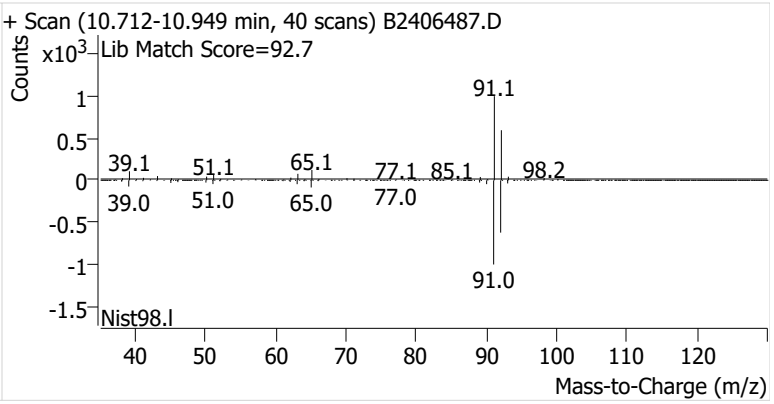
Toluene-d8 (IS)



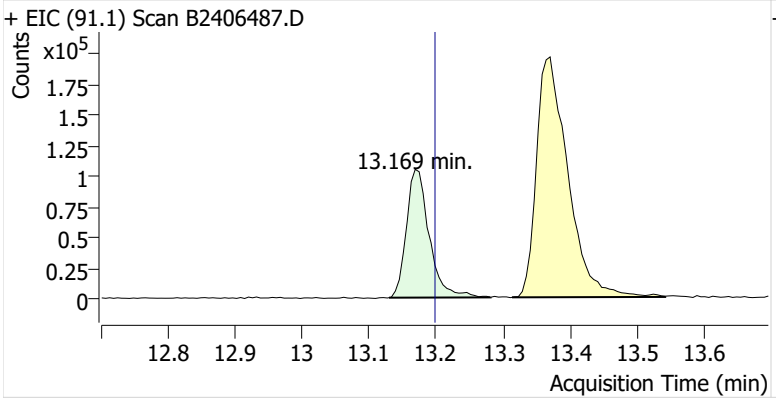


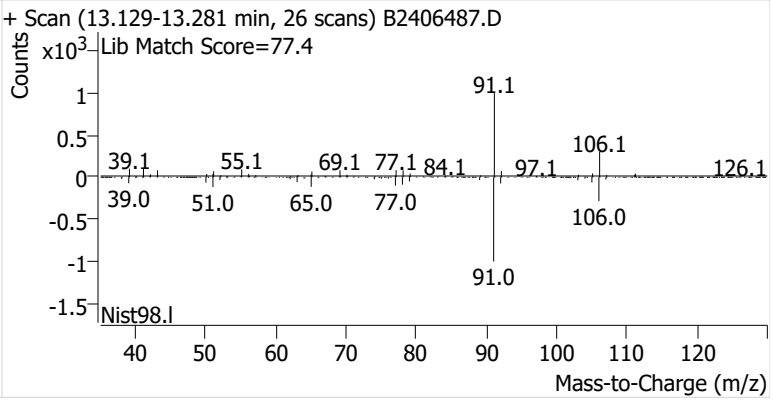
Toluene



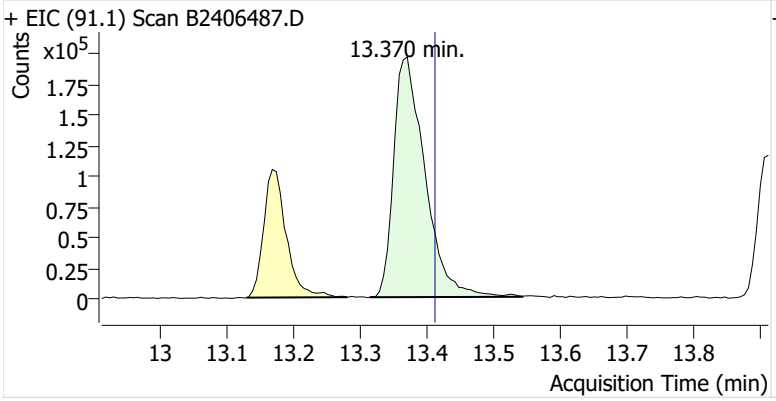


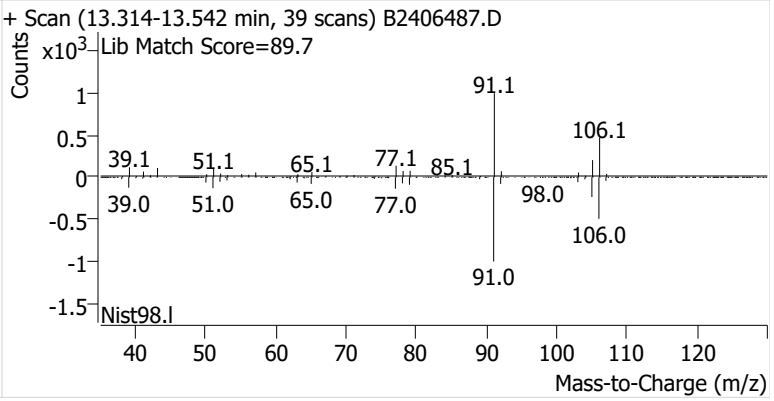
Ethylbenzene



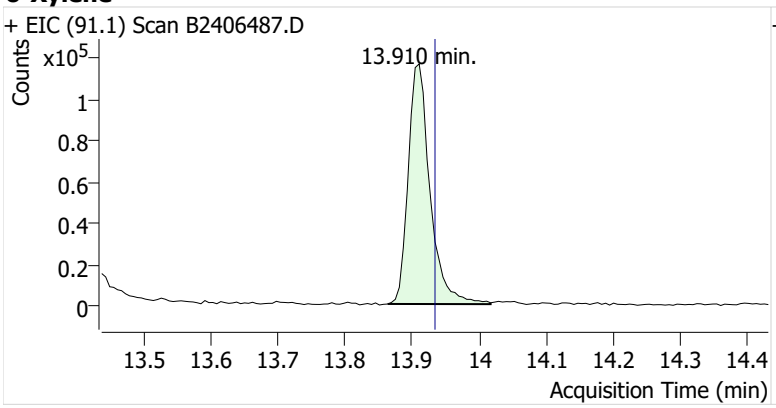


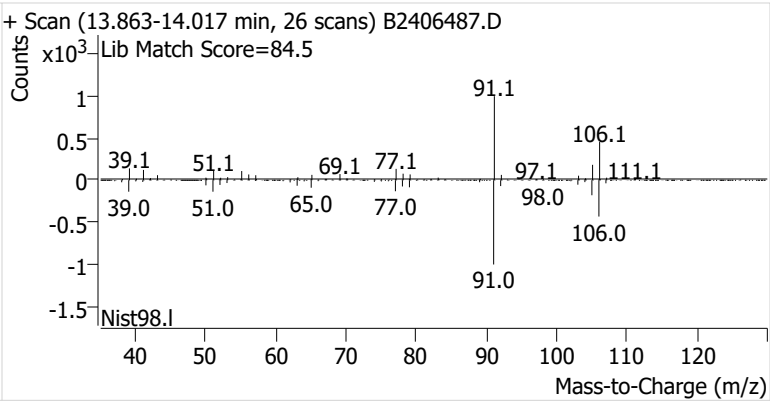
m-/p-Xylenes





o-Xylene


+ EIC (91.1) Scan B2406487.D
Counts
x10^5
13.910 min.
1
0.8
0.6
0.4
0.2
0
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)


+ Scan (13.863-14.017 min, 26 scans) B2406487.D
Counts
x10^3
Lib Match Score=84.5
91.1
106.1
39.1
51.1
69.1
77.1
97.1
111.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

Calibration Summary Reports

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP404-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Benzene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	0.919	0.987	0.919	-6.8%	-17%		Pass	
2024FP404 Method Blank-1	Blank		0.987	0.919			-3.5%	Pass	ND
M325B CCV 5	Check	0.935	0.987	0.919	-5.2%		-1.9%	Pass	
M325B CCV 5	Check	0.913	0.987	0.919	-7.4%		2.9%	Pass	

Ethylbenzene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	1.455	1.296	1.455	12%	-18%		Pass	
2024FP404 Method Blank-1	Blank		1.296	1.455			-1.7%	Pass	ND
M325B CCV 5	Check	1.319	1.296	1.455	1.8%		1.2%	Pass	
M325B CCV 5	Check	1.238	1.296	1.455	-4.5%		5.0%	Pass	

m-/p-Xylenes Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	1.066	0.897	1.066	19%	-18%		Pass	
2024FP404 Method Blank-1	Blank		0.897	1.066			-1.7%	Pass	ND
M325B CCV 5	Check	1.022	0.897	1.066	14%		1.2%	Pass	
M325B CCV 5	Check	0.949	0.897	1.066	5.8%		5.0%	Pass	

o-Xylene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	1.178	1.019	1.178	16%	-18%		Pass	
2024FP404 Method Blank-1	Blank		1.019	1.178			-1.7%	Pass	ND
M325B CCV 5	Check	1.034	1.019	1.178	1.5%		1.2%	Pass	
M325B CCV 5	Check	0.995	1.019	1.178	-2.3%		5.0%	Pass	

Toluene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	1.054	1.159	1.054	-9.1%	-18%		Pass	
2024FP404 Method Blank-1	Blank		1.159	1.054			-1.7%	Pass	ND
M325B CCV 5	Check	1.109	1.159	1.054	-4.4%		1.2%	Pass	
M325B CCV 5	Check	1.136	1.159	1.054	-2.0%		5.0%	Pass	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP404-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
B101524A_CC233829_BTEX_R2.quantmethod.xml	Benzene	1	B2405433.D	5.25	67834	92.1	1017991	1.169	18%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Benzene	2	B2405434.D	10.49	119788	92.1	1002975	1.048	6.2%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Benzene	3	B2405435.D	20.99	224542	92.1	1027453	0.959	-2.8%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Benzene	4	B2405436.D	41.98	426479	92.1	1001212	0.934	-5.3%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Benzene	5	B2405437.D	104.95	1090357	92.1	1033283	0.926	-6.2%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Benzene	6	B2405438.D	209.90	2255330	92.1	1037385	0.954	-3.4%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Benzene	7	B2405439.D	629.69	6516173	92.1	1038243	0.918	-7.0%
						Avg:	1022649	0.987	
						%RSD:	1.5%	9.3%	
B101524A_CC233829_BTEX_R2.quantmethod.xml	Ethylbenzene	1	B2405433.D	5.39	69407	108.6	1111290	1.258	-3.0%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Ethylbenzene	2	B2405434.D	10.79	148861	108.6	1123086	1.335	3.0%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Ethylbenzene	3	B2405435.D	21.57	285927	108.6	1114502	1.292	-0.35%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Ethylbenzene	4	B2405436.D	43.14	557352	108.6	1103046	1.272	-1.9%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Ethylbenzene	5	B2405437.D	107.86	1465224	108.6	1158242	1.274	-1.7%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Ethylbenzene	6	B2405438.D	215.72	3132137	108.6	1166167	1.352	4.3%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Ethylbenzene	7	B2405439.D	647.17	9229537	108.6	1199921	1.291	-0.41%
						Avg:	1139465	1.296	
						%RSD:	3.2%	2.7%	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP404-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
B101524A_CC233829_BTEX_R2.quantmethod.xml	m-/p-Xylenes	1	B2405433.D	5.43	35940	108.6	1111290	0.647	-28%
B101524A_CC233829_BTEX_R2.quantmethod.xml	m-/p-Xylenes	2	B2405434.D	10.86	100559	108.6	1123086	0.896	-0.11%
B101524A_CC233829_BTEX_R2.quantmethod.xml	m-/p-Xylenes	3	B2405435.D	21.71	229053	108.6	1114502	1.028	15%
B101524A_CC233829_BTEX_R2.quantmethod.xml	m-/p-Xylenes	4	B2405436.D	43.43	383206	108.6	1103046	0.869	-3.1%
B101524A_CC233829_BTEX_R2.quantmethod.xml	m-/p-Xylenes	5	B2405437.D	108.57	1008714	108.6	1158242	0.871	-2.8%
B101524A_CC233829_BTEX_R2.quantmethod.xml	m-/p-Xylenes	6	B2405438.D	217.14	2286065	108.6	1166167	0.981	9.3%
B101524A_CC233829_BTEX_R2.quantmethod.xml	m-/p-Xylenes	7	B2405439.D	651.41	7093172	108.6	1199921	0.986	9.9%
						Avg:	1139465	0.897	
						%RSD:	3.2%	14%	
B101524A_CC233829_BTEX_R2.quantmethod.xml	o-Xylene	1	B2405433.D	5.46	44125	108.6	1111290	0.790	-22%
B101524A_CC233829_BTEX_R2.quantmethod.xml	o-Xylene	2	B2405434.D	10.92	115078	108.6	1123086	1.020	0.093%
B101524A_CC233829_BTEX_R2.quantmethod.xml	o-Xylene	3	B2405435.D	21.83	243713	108.6	1114502	1.088	6.8%
B101524A_CC233829_BTEX_R2.quantmethod.xml	o-Xylene	4	B2405436.D	43.67	464539	108.6	1103046	1.048	2.8%
B101524A_CC233829_BTEX_R2.quantmethod.xml	o-Xylene	5	B2405437.D	109.16	1171419	108.6	1158242	1.006	-1.2%
B101524A_CC233829_BTEX_R2.quantmethod.xml	o-Xylene	6	B2405438.D	218.33	2563847	108.6	1166167	1.094	7.4%
B101524A_CC233829_BTEX_R2.quantmethod.xml	o-Xylene	7	B2405439.D	654.98	7849647	108.6	1199921	1.085	6.5%
						Avg:	1139465	1.019	
						%RSD:	3.2%	10%	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP404-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
B101524A_CC233829_BTEX_R2.quantmethod.xml	Toluene	1	B2405433.D	5.45	72719	108.6	1111290	1.304	13%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Toluene	2	B2405434.D	10.90	135719	108.6	1123086	1.204	3.9%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Toluene	3	B2405435.D	21.80	262769	108.6	1114502	1.175	1.3%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Toluene	4	B2405436.D	43.60	514657	108.6	1103046	1.162	0.28%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Toluene	5	B2405437.D	108.99	1244129	108.6	1158242	1.071	-7.7%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Toluene	6	B2405438.D	217.98	2631364	108.6	1166167	1.124	-3.0%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Toluene	7	B2405439.D	653.93	7759895	108.6	1199921	1.074	-7.3%
						Avg:	1139465	1.159	
						%RSD:	3.2%	7.0%	
B101524A_CC233829_BTEX_R2.quantmethod.xml	Benzene	ICV	B2405440.D	64.23	635831	92.1	1007443	0.905	-8.3%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Ethylbenzene	ICV	B2405440.D	86.24	1135339	108.6	1205392	1.186	-8.5%
B101524A_CC233829_BTEX_R2.quantmethod.xml	m-/p-Xylenes	ICV	B2405440.D	89.77	920735	108.6	1205392	0.924	3.1%
B101524A_CC233829_BTEX_R2.quantmethod.xml	o-Xylene	ICV	B2405440.D	88.36	934049	108.6	1205392	0.953	-6.5%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Toluene	ICV	B2405440.D	76.61	843616	108.6	1205392	0.992	-14%

This Is The Last Page Of This Report.

CITGO – South Portland Terminal

102 Mechanic St.
South Portland, ME 04106

Sampling Event 15

PROJ-031602

Analytical Report (2024FP405)

EPA Method 325B

Benzene, Toluene, Ethylbenzene, m-/p-Xylenes, o-Xylene

Report Submitted By:
Montrose Air Quality Services LLC – Pine Brook, NJ

Enthalpy Analytical, LLC
Phone: (919) 850 - 4392 / Fax: (919) 850 - 9012 / www.enthalpy.com
800-1 Capitola Drive, Durham, NC 27713

I certify that to the best of my knowledge all analytical data presented in this report:

- Have been checked for completeness
- Are accurate, error-free, and legible
- Have been conducted in accordance with approved protocol, and that all deviations and analytical problems are summarized in the appropriate narrative(s)

This analytical report was prepared in Portable Document Format (.PDF). This report shall not be reproduced except in full without approval of the laboratory. This will provide assurance that parts of a report are not taken out of context.



QA Review by Conor Toomey, QA Associate I

Report Issued: 12/18/2024

ENTHALPY ANALYTICAL

Summary of Results

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP405-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Summary

Sample Code	Tube ID	Benzene (ug/m³)	Flag	Ethylbenzene (ug/m³)	Flag	m-/p-Xylenes (ug/m³)	Flag	o-Xylene (ug/m³)	Flag	Toluene (ug/m³)	Flag
CGOSP-1-S-20241119	B15088	1.16		0.710		1.76		0.561	J	3.02	
CGOSP-2-S-20241119	B34545	0.914		0.371	J	1.13		0.366	J	2.38	
CGOSP-3-S-20241119	B30619	1.24		0.626		2.17		0.711		3.40	
CGOSP-3-D-20241119	B51039	1.18		0.791		2.35		0.875		3.61	
CGOSP-3-B-20241119	B52922		ND		ND		ND		ND		ND
CGOSP-4-S-20241119	B53272	1.83		1.15		3.53		1.32		5.81	
CGOSP-5-S-20241119	C34122	2.45		1.96		6.54		2.26		8.24	
CGOSP-6-S-20241119	C38947	2.55		2.30		8.38		2.80		8.65	
CGOSP-7-S-20241119	C39266	2.10		1.31		4.60		1.55		6.99	
CGOSP-8-S-20241119	C01530	2.64		1.67		5.62		1.92		10.8	
CGOSP-9-S-20241119	B16930	2.16		1.25		3.99		1.32		7.75	
CGOSP-9-D-20241119	C40142	2.11		1.54		4.80		1.60		7.80	
CGOSP-9-B-20241119	B52926		ND		ND		ND		ND		ND
CGOSP-10-S-20241119	C20574	1.45		0.786		2.46		0.881		4.15	
CGOSP-11-S-20241119	C43679	1.42		0.771		2.83		0.951		4.70	
CGOSP-12-S-20241119	C43657	1.35		0.802		2.92		0.976		4.03	
CGOSP-13-S-20241119	B52931	1.38		0.916		3.17		1.10		4.29	
CGOSP-14-S-20241119	B30885	1.72		0.927		2.94		1.07		4.42	
CGOSP-15-S-20241119	B27830	1.55		1.20		3.82		1.25		5.32	
CGOSP-16-S-20241119	B27207	1.56		0.975		3.08		1.02		5.07	
CGOSP-17-S-20241119	C24240	1.23		0.577	J	2.08		0.695		3.34	
CGOSP-18-S-20241119	B14136	1.19		0.490	J	1.79		0.586	J	2.98	

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit
ND: The analyte was not present above the Method Detection Limit

Results

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP405-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Benzene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
CGOSP-1-S-20241119	B15088	1.16	0.363	15.1	37.8	0.645	20,130	0.193	0.400	0.0603	0.125	
CGOSP-2-S-20241119	B34545	0.914	0.286	11.9	37.8	0.645	20,130	0.193	0.400	0.0603	0.125	
CGOSP-3-S-20241119	B30619	1.24	0.388	16.1	37.8	0.645	20,130	0.193	0.400	0.0603	0.125	
CGOSP-3-D-20241119	B51039	1.18	0.371	15.4	37.8	0.645	20,130	0.193	0.400	0.0603	0.125	
CGOSP-3-B-20241119	B52922				37.8	0.645	20,130	0.193	0.400	0.0603	0.125	ND
CGOSP-4-S-20241119	B53272	1.83	0.573	23.8	37.8	0.645	20,130	0.193	0.400	0.0603	0.125	
CGOSP-5-S-20241119	C34122	2.45	0.767	31.8	37.8	0.645	20,130	0.193	0.400	0.0603	0.125	
CGOSP-6-S-20241119	C38947	2.55	0.798	33.1	37.8	0.645	20,130	0.193	0.400	0.0603	0.125	
CGOSP-7-S-20241119	C39266	2.10	0.656	27.2	37.8	0.645	20,130	0.193	0.400	0.0603	0.125	
CGOSP-8-S-20241119	C01530	2.64	0.826	34.3	37.7	0.645	20,130	0.193	0.400	0.0603	0.125	
CGOSP-9-S-20241119	B16930	2.16	0.678	28.1	37.7	0.645	20,130	0.193	0.400	0.0603	0.125	
CGOSP-9-D-20241119	C40142	2.11	0.661	27.4	37.7	0.645	20,130	0.193	0.400	0.0603	0.125	
CGOSP-9-B-20241119	B52926				37.7	0.645	20,130	0.193	0.400	0.0603	0.125	ND
CGOSP-10-S-20241119	C20574	1.45	0.453	18.8	37.7	0.645	20,130	0.193	0.400	0.0603	0.125	
CGOSP-11-S-20241119	C43679	1.42	0.446	18.5	37.7	0.645	20,130	0.193	0.400	0.0603	0.125	
CGOSP-12-S-20241119	C43657	1.35	0.423	17.6	37.7	0.645	20,130	0.193	0.400	0.0603	0.125	
CGOSP-13-S-20241119	B52931	1.38	0.433	18.0	37.7	0.645	20,130	0.193	0.400	0.0603	0.125	
CGOSP-14-S-20241119	B30885	1.72	0.537	22.3	37.7	0.645	20,130	0.193	0.400	0.0603	0.125	
CGOSP-15-S-20241119	B27830	1.55	0.486	20.2	37.7	0.645	20,130	0.193	0.400	0.0603	0.125	
CGOSP-16-S-20241119	B27207	1.56	0.489	20.3	37.7	0.645	20,130	0.193	0.400	0.0603	0.125	
CGOSP-17-S-20241119	C24240	1.23	0.384	15.9	37.7	0.645	20,130	0.193	0.400	0.0603	0.125	
CGOSP-18-S-20241119	B14136	1.19	0.373	15.5	37.7	0.645	20,135	0.193	0.400	0.0603	0.125	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP405-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Ethylbenzene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
CGOSP-1-S-20241119	B15088	0.710	0.164	6.33	37.8	0.443	20,130	0.280	0.598	0.0646	0.138	
CGOSP-2-S-20241119	B34545	0.371	0.0855	3.31	37.8	0.443	20,130	0.280	0.598	0.0646	0.138	J
CGOSP-3-S-20241119	B30619	0.626	0.144	5.58	37.8	0.443	20,130	0.280	0.598	0.0646	0.138	
CGOSP-3-D-20241119	B51039	0.791	0.182	7.05	37.8	0.443	20,130	0.280	0.598	0.0646	0.138	
CGOSP-3-B-20241119	B52922				37.8	0.443	20,130	0.280	0.598	0.0646	0.138	ND
CGOSP-4-S-20241119	B53272	1.15	0.264	10.2	37.8	0.443	20,130	0.280	0.598	0.0646	0.138	
CGOSP-5-S-20241119	C34122	1.96	0.451	17.4	37.8	0.443	20,130	0.280	0.598	0.0646	0.138	
CGOSP-6-S-20241119	C38947	2.30	0.530	20.5	37.8	0.443	20,130	0.280	0.598	0.0646	0.138	
CGOSP-7-S-20241119	C39266	1.31	0.302	11.7	37.8	0.443	20,130	0.280	0.598	0.0646	0.138	
CGOSP-8-S-20241119	C01530	1.67	0.385	14.9	37.7	0.443	20,130	0.280	0.598	0.0646	0.138	
CGOSP-9-S-20241119	B16930	1.25	0.288	11.1	37.7	0.443	20,130	0.280	0.598	0.0646	0.138	
CGOSP-9-D-20241119	C40142	1.54	0.355	13.7	37.7	0.443	20,130	0.280	0.598	0.0646	0.138	
CGOSP-9-B-20241119	B52926				37.7	0.443	20,130	0.280	0.598	0.0646	0.138	ND
CGOSP-10-S-20241119	C20574	0.786	0.181	7.00	37.7	0.443	20,130	0.280	0.598	0.0646	0.138	
CGOSP-11-S-20241119	C43679	0.771	0.178	6.87	37.7	0.443	20,130	0.280	0.598	0.0646	0.138	
CGOSP-12-S-20241119	C43657	0.802	0.185	7.15	37.7	0.443	20,130	0.280	0.598	0.0646	0.138	
CGOSP-13-S-20241119	B52931	0.916	0.211	8.16	37.7	0.443	20,130	0.280	0.598	0.0646	0.138	
CGOSP-14-S-20241119	B30885	0.927	0.214	8.26	37.7	0.443	20,130	0.280	0.598	0.0646	0.138	
CGOSP-15-S-20241119	B27830	1.20	0.277	10.7	37.7	0.443	20,130	0.280	0.598	0.0646	0.138	
CGOSP-16-S-20241119	B27207	0.975	0.225	8.69	37.7	0.443	20,130	0.280	0.598	0.0646	0.138	
CGOSP-17-S-20241119	C24240	0.577	0.133	5.15	37.7	0.443	20,130	0.280	0.598	0.0646	0.138	J
CGOSP-18-S-20241119	B14136	0.490	0.113	4.37	37.7	0.443	20,135	0.280	0.598	0.0646	0.138	J

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP405-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

m-/p-Xylenes

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
CGOSP-1-S-20241119	B15088	1.76	0.406	15.7	37.8	0.443	20,130	0.280	0.602	0.0646	0.139	
CGOSP-2-S-20241119	B34545	1.13	0.262	10.1	37.8	0.443	20,130	0.280	0.602	0.0646	0.139	
CGOSP-3-S-20241119	B30619	2.17	0.500	19.3	37.8	0.443	20,130	0.280	0.602	0.0646	0.139	
CGOSP-3-D-20241119	B51039	2.35	0.541	20.9	37.8	0.443	20,130	0.280	0.602	0.0646	0.139	
CGOSP-3-B-20241119	B52922				37.8	0.443	20,130	0.280	0.602	0.0646	0.139	ND
CGOSP-4-S-20241119	B53272	3.53	0.813	31.4	37.8	0.443	20,130	0.280	0.602	0.0646	0.139	
CGOSP-5-S-20241119	C34122	6.54	1.51	58.3	37.8	0.443	20,130	0.280	0.602	0.0646	0.139	
CGOSP-6-S-20241119	C38947	8.38	1.93	74.7	37.8	0.443	20,130	0.280	0.602	0.0646	0.139	
CGOSP-7-S-20241119	C39266	4.60	1.06	41.0	37.8	0.443	20,130	0.280	0.602	0.0646	0.139	
CGOSP-8-S-20241119	C01530	5.62	1.30	50.1	37.7	0.443	20,130	0.280	0.602	0.0646	0.139	
CGOSP-9-S-20241119	B16930	3.99	0.919	35.6	37.7	0.443	20,130	0.280	0.602	0.0646	0.139	
CGOSP-9-D-20241119	C40142	4.80	1.11	42.8	37.7	0.443	20,130	0.280	0.602	0.0646	0.139	
CGOSP-9-B-20241119	B52926				37.7	0.443	20,130	0.280	0.602	0.0646	0.139	ND
CGOSP-10-S-20241119	C20574	2.46	0.566	21.9	37.7	0.443	20,130	0.280	0.602	0.0646	0.139	
CGOSP-11-S-20241119	C43679	2.83	0.652	25.2	37.7	0.443	20,130	0.280	0.602	0.0646	0.139	
CGOSP-12-S-20241119	C43657	2.92	0.673	26.0	37.7	0.443	20,130	0.280	0.602	0.0646	0.139	
CGOSP-13-S-20241119	B52931	3.17	0.730	28.2	37.7	0.443	20,130	0.280	0.602	0.0646	0.139	
CGOSP-14-S-20241119	B30885	2.94	0.676	26.2	37.7	0.443	20,130	0.280	0.602	0.0646	0.139	
CGOSP-15-S-20241119	B27830	3.82	0.881	34.1	37.7	0.443	20,130	0.280	0.602	0.0646	0.139	
CGOSP-16-S-20241119	B27207	3.08	0.711	27.5	37.7	0.443	20,130	0.280	0.602	0.0646	0.139	
CGOSP-17-S-20241119	C24240	2.08	0.479	18.5	37.7	0.443	20,130	0.280	0.602	0.0646	0.139	
CGOSP-18-S-20241119	B14136	1.79	0.413	16.0	37.7	0.443	20,135	0.280	0.602	0.0646	0.139	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP405-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

o-Xylene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
CGOSP-1-S-20241119	B15088	0.561	0.129	5.01	37.8	0.443	20,130	0.280	0.605	0.0646	0.140	J
CGOSP-2-S-20241119	B34545	0.366	0.0844	3.26	37.8	0.443	20,130	0.280	0.605	0.0646	0.140	J
CGOSP-3-S-20241119	B30619	0.711	0.164	6.33	37.8	0.443	20,130	0.280	0.605	0.0646	0.140	
CGOSP-3-D-20241119	B51039	0.875	0.202	7.80	37.8	0.443	20,130	0.280	0.605	0.0646	0.140	
CGOSP-3-B-20241119	B52922				37.8	0.443	20,130	0.280	0.605	0.0646	0.140	ND
CGOSP-4-S-20241119	B53272	1.32	0.305	11.8	37.8	0.443	20,130	0.280	0.605	0.0646	0.140	
CGOSP-5-S-20241119	C34122	2.26	0.522	20.2	37.8	0.443	20,130	0.280	0.605	0.0646	0.140	
CGOSP-6-S-20241119	C38947	2.80	0.644	24.9	37.8	0.443	20,130	0.280	0.605	0.0646	0.140	
CGOSP-7-S-20241119	C39266	1.55	0.358	13.9	37.8	0.443	20,130	0.280	0.605	0.0646	0.140	
CGOSP-8-S-20241119	C01530	1.92	0.442	17.1	37.7	0.443	20,130	0.280	0.605	0.0646	0.140	
CGOSP-9-S-20241119	B16930	1.32	0.304	11.8	37.7	0.443	20,130	0.280	0.605	0.0646	0.140	
CGOSP-9-D-20241119	C40142	1.60	0.369	14.3	37.7	0.443	20,130	0.280	0.605	0.0646	0.140	
CGOSP-9-B-20241119	B52926				37.7	0.443	20,130	0.280	0.605	0.0646	0.140	ND
CGOSP-10-S-20241119	C20574	0.881	0.203	7.85	37.7	0.443	20,130	0.280	0.605	0.0646	0.140	
CGOSP-11-S-20241119	C43679	0.951	0.219	8.48	37.7	0.443	20,130	0.280	0.605	0.0646	0.140	
CGOSP-12-S-20241119	C43657	0.976	0.225	8.70	37.7	0.443	20,130	0.280	0.605	0.0646	0.140	
CGOSP-13-S-20241119	B52931	1.10	0.253	9.78	37.7	0.443	20,130	0.280	0.605	0.0646	0.140	
CGOSP-14-S-20241119	B30885	1.07	0.245	9.49	37.7	0.443	20,130	0.280	0.605	0.0646	0.140	
CGOSP-15-S-20241119	B27830	1.25	0.288	11.2	37.7	0.443	20,130	0.280	0.605	0.0646	0.140	
CGOSP-16-S-20241119	B27207	1.02	0.236	9.12	37.7	0.443	20,130	0.280	0.605	0.0646	0.140	
CGOSP-17-S-20241119	C24240	0.695	0.160	6.20	37.7	0.443	20,130	0.280	0.606	0.0646	0.140	
CGOSP-18-S-20241119	B14136	0.586	0.135	5.23	37.7	0.443	20,135	0.280	0.605	0.0646	0.140	J

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP405-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Toluene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
CGOSP-1-S-20241119	B15088	3.02	0.801	30.4	37.8	0.501	20,130	0.248	0.535	0.0659	0.142	
CGOSP-2-S-20241119	B34545	2.38	0.633	24.0	37.8	0.501	20,130	0.248	0.535	0.0659	0.142	
CGOSP-3-S-20241119	B30619	3.40	0.904	34.3	37.8	0.501	20,130	0.248	0.535	0.0659	0.142	
CGOSP-3-D-20241119	B51039	3.61	0.958	36.4	37.8	0.501	20,130	0.248	0.535	0.0659	0.142	
CGOSP-3-B-20241119	B52922				37.8	0.501	20,130	0.248	0.535	0.0659	0.142	ND
CGOSP-4-S-20241119	B53272	5.81	1.54	58.5	37.8	0.501	20,130	0.248	0.535	0.0659	0.142	
CGOSP-5-S-20241119	C34122	8.24	2.19	83.0	37.8	0.501	20,130	0.248	0.535	0.0659	0.142	
CGOSP-6-S-20241119	C38947	8.65	2.30	87.2	37.8	0.501	20,130	0.248	0.535	0.0659	0.142	
CGOSP-7-S-20241119	C39266	6.99	1.85	70.4	37.8	0.501	20,130	0.248	0.535	0.0659	0.142	
CGOSP-8-S-20241119	C01530	10.8	2.87	109	37.7	0.501	20,130	0.248	0.535	0.0659	0.142	
CGOSP-9-S-20241119	B16930	7.75	2.06	78.1	37.7	0.501	20,130	0.248	0.535	0.0659	0.142	
CGOSP-9-D-20241119	C40142	7.80	2.07	78.6	37.7	0.501	20,130	0.248	0.535	0.0659	0.142	
CGOSP-9-B-20241119	B52926				37.7	0.501	20,130	0.248	0.535	0.0659	0.142	ND
CGOSP-10-S-20241119	C20574	4.15	1.10	41.9	37.7	0.501	20,130	0.248	0.535	0.0659	0.142	
CGOSP-11-S-20241119	C43679	4.70	1.25	47.3	37.7	0.501	20,130	0.248	0.535	0.0659	0.142	
CGOSP-12-S-20241119	C43657	4.03	1.07	40.6	37.7	0.501	20,130	0.248	0.535	0.0659	0.142	
CGOSP-13-S-20241119	B52931	4.29	1.14	43.2	37.7	0.501	20,130	0.248	0.535	0.0659	0.142	
CGOSP-14-S-20241119	B30885	4.42	1.17	44.5	37.7	0.501	20,130	0.248	0.535	0.0659	0.142	
CGOSP-15-S-20241119	B27830	5.32	1.41	53.6	37.7	0.501	20,130	0.248	0.535	0.0659	0.142	
CGOSP-16-S-20241119	B27207	5.07	1.35	51.1	37.7	0.501	20,130	0.248	0.535	0.0659	0.142	
CGOSP-17-S-20241119	C24240	3.34	0.887	33.7	37.7	0.501	20,130	0.248	0.535	0.0659	0.142	
CGOSP-18-S-20241119	B14136	2.98	0.792	30.1	37.7	0.501	20,135	0.248	0.535	0.0659	0.142	

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit

ND: The analyte was not present above the Method Detection Limit

QC

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP405-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

QC Samples

Field Sample Type	Sample Code	Benzene		Ethylbenzene		m-/p-Xylenes		o-Xylene		Toluene	
Blanks (ug/m³)	CGOSP-3-B-20241119	ND	Pass	ND	Pass	ND	Pass	ND	Pass	ND	Pass
	CGOSP-9-B-20241119	ND	Pass	ND	Pass	ND	Pass	ND	Pass	ND	Pass
Duplicates (difference)	CGOSP-3-D-20241119	4.6%	Pass	23%	Pass	8.0%	Pass	21%	Pass	5.8%	Pass
	CGOSP-9-D-20241119	2.6%	Pass	21%	Pass	19%	Pass	19%	Pass	0.59%	Pass

Narrative Summary

Enthalpy Analytical Narrative Summary

Company	Montrose Air Quality Services, LLC - New Jersey
Site	CITGO – South Portland Terminal
Project	PROJ-031602
Report #	2024FP405

Custody	Enthalpy Analytical, LLC received the sample tubes on 12/9/24. The samples were received in good condition at a temperature of 19.4 ºC. Prior to, during, and after analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, LLC.
Analysis	The samples were analyzed for Benzene, Toluene, Ethylbenzene, o-Xylene, and m-/p-Xylenes using EPA Method 325B – Volatile Organic Compounds from Fugitive and Area Sources by Thermal Desorption and GC/MS. A copy of the acquisition method (M325B-TD35.M) is not included in this report but may be available upon request.
Calibration	All BFB tune criteria have been met for this analysis. The initial calibration met 30% RSD criteria. The initial calibration verification met 30% recovery criteria. The continuing calibration verifications met 30% difference criteria. The initial and continuing calibration raw data are not included in this report but are available upon request.
Quality Control Notes	All quality control criteria required by the method and/or the laboratory SOP have been met unless noted otherwise below.
Reporting Notes	The samples may have been purged to remove known or suspected moisture. If purging occurred, a CCV and a Method Blank will have been purged alongside the samples. The laboratory maintains documentation of samples that are purged. As specified in EPA Method 325B, the response factor of the daily continuing calibration standard was used to quantitate all field samples and blanks. All samples were reported as amount in ng catch, and concentration in µg/m3 and ppbv. The results presented in this report are representative of the samples as provided to the laboratory. These analyses met the requirements of the TNI Standard. Any deviations from the requirements of the reference method or TNI Standard have been stated above.

Sample Custody

2024FP405

ENTHALPY ANALYTICAL

EPA Method 325 A/B Field Test Data Sheet and Chain of Custody Record

Page # 1 of 3 #

☐ Standard Turn Around Time (10 business days)
☐ Rush Turn Around Time
• All TATs Subject to Approval by Enthalpy Analytical, Inc.
• Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name:	CITGO So Portland Terminal	**Client Name:**	Montrose Air	**PO#:**	
Site Address:	107 Mechanic Street	**Project Number:**	PROJ-031602	**Sample Event #**	
City:	So Portland	**Project Manager:**	Haig Brochu	**Sorbent:**	
State	Maine	**Email Address:**	haigbrochu@montrose-env.com		
Zip:	04106	**Telephone #:**	207.441.0025		

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
1	B15088	S	11/19/24	10:20	12/3/24	9:50	HFB / HFB		
2	B34545	S	11/19/24	10:25	12/3/24	9:55	HFB / HFB		
3	B30619	S	11/19/24	10:30	12/3/24	10:00	HFB / HFB		
3	B51039	D	11/19/24	10:30	12/3/24	10:00	HFB / HFB		
3	B52922	B	11/19/24	10:30	12/3/24	10:00	HFB / HFB		
4	B53272	S	11/19/24	10:40	12/3/24	10:10	HFB / HFB		
5	C34122	S	11/19/24	10:45	12/3/24	10:15	HFB / HFB		
6	C38947	S	11/19/24	10:50	12/3/24	10:20	HFB / HFB		

Relinquished By (printed): Haig Brochu	**Relinquished By (signature):**	**Relinquished Date:** 12/3/2024	**Relinquished Time:** 15:30
Recieved By (printed): Sabrina Williams	**Recieved By (signature):** Sab Williams	**Receipt Date:** 12/9/24	**Receipt Time:** 9:00 AM
Sample Condition Upon Receipt: Good	**Compound List:**	**Custody Seal intact? Y/N:** Y	**Delivery tracking #**
Ice Temp:	**Blank Temp:** 19.4 Flute 7A	**Add Custody Seal # below:** 24A00782	

Comments:

2024FP405

ENTHALPY ANALYTICAL

EPA Method 325 A/B
Field Test Data Sheet and
Chain of Custody Record

Page # 2 of 3 #

☐ Standard Turn Around Time (10 business days)
☐ Rush Turn Around Time
• All TATs Subject to Approval by Enthalpy Analytical, Inc.
• Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name:	Citgo So Portland Terminal	Client Name:	Montrose Air	PO#:	
Site Address:	102 Mechanic Street	Project Number:	PROJ-031602	Sample Event #	
City:	So Portland	Project Manager:	Haley Brown	Sorbent:	
State	Maine	Email Address:	haley.brown@montrose-env.com		
Zip:	04106	Telephone #:	207-441-0025		

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
7	C39266	S	11/19/24	10:55	12/3/24	10:25	HFB / HFB		
8	C01530	S	11/19/24	11:00	12/3/24	10:30	HFB / HFB		
9	B16930	S	11/19/24	11:05	12/3/24	10:35	HFB / HFB		
9	C40142	D	11/19/24	11:05	12/3/24	10:35	HFB / HFB		
9	B52926	B	11/19/24	11:05	12/3/24	10:35	HFB / HFB		
10	C20574	S	11/19/24	11:15	12/3/24	10:45	HFB / HFB		
11	C43679	S	11/19/24	11:20	12/3/24	10:50	HFB / HFB		
12	C43657	S	11/19/24	11:25	12/3/24	10:55	HFB / HFB		

Relinquished By (printed):	Relinquished By (signature):	Relinquished Date:	Relinquished Time:
Haley Brown		12/3/2024	15:30
Recieved By (printed):	**Recieved By (signature):**	**Receipt Date:**	**Receipt Time:**
Sabrina Williams	Sabrina Williams	12/9/24	9:00 AM

Sample Condition Upon Receipt:	Compound List:	Custody Seal intact? Y/N:	Delivery tracking #
Good		Y	
Ice Temp: / Blank Temp: 19.4 / Fluke 7A		Add Custody Seal # below: 24A00787	

Comments:

800-1 Capitola Drive • Durham, NC 27713 • (919) 850-4392 • FAX (919) 850-9012 • www.enthalpy.com

2024FP405

ENTHALPY ANALYTICAL

EPA Method 325 A/B Field Test Data Sheet and Chain of Custody Record

Page # 3 of 3 #

☐ Standard Turn Around Time (10 business days)
☐ Rush Turn Around Time
• All TATs Subject to Approval by Enthalpy Analytical, Inc.
• Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name:	Citgo So Portland Terminal	Client Name:	Montrose Air
Site Address:	107 Mechanic Street	Project Number:	PROJ-031602
City:	So Portland	Project Manager:	Haig Brochu
State	Maine	Email Address:	haigbrochu@montrose-env.com
Zip:	04106	Telephone #:	207-441-0025

PO#:
Sample Event #
Sorbent:

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
13	B52931	S	11/19/24	11:30	12/3/24	11:00	HFB / HFB		
14	B30885	S	11/19/24	11:35	12/3/24	11:05	HFB / HFB		
15	B27830	S	11/19/24	11:40	12/3/24	11:10	HFB / HFB		
16	B27207	S	11/19/24	11:45	12/3/24	11:15	HFB / HFB		
17	C24240	S	11/19/24	11:50	12/3/24	11:20	HFB / HFB		
18	B14136	S	11/19/24	11:55	12/3/24	11:30	HFB / HFB		
							/		
							/		

Relinquished By (printed):	Relinquished By (signature):	Relinquished Date:	Relinquished Time:
Haig Brochu		12/3/2024	15:30
Recieved By (printed):	**Recieved By (signature):**	**Receipt Date:**	**Receipt Time:**
Sabrina Williams	Sab Williams	12/9/24	9:00 AM

Sample Condition Upon Receipt:	Compound List:	Custody Seal intact? Y/N:	Delivery tracking #
Good		Y	
Ice Temp: / Blank Temp: 19.4 / Fluke 7A		Add Custody Seal # below: 24A00782	

Comments:

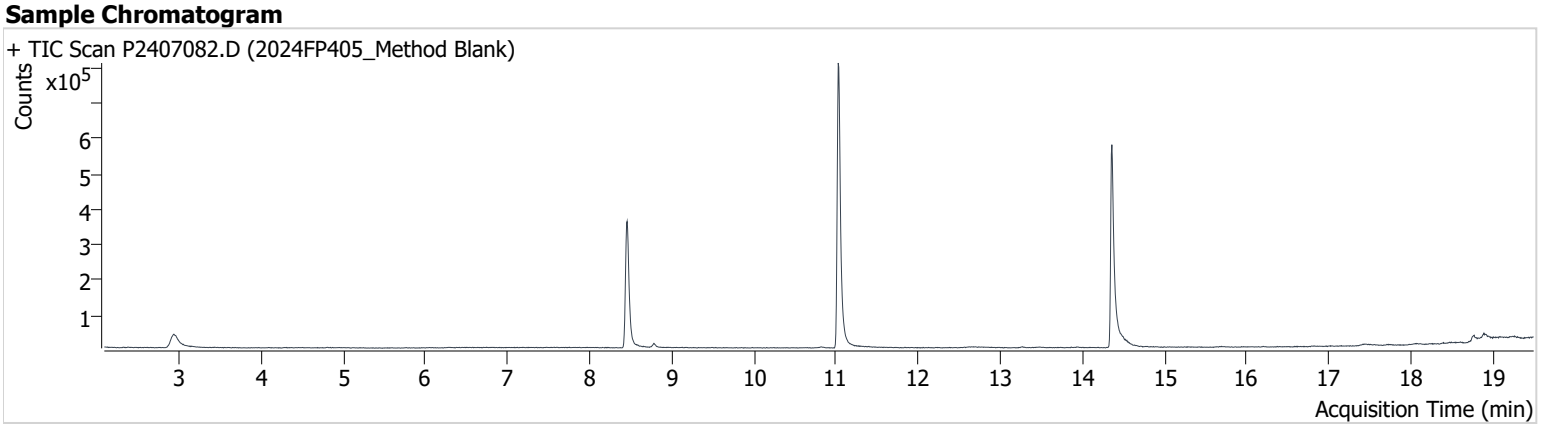
800-1 Capitola Drive • Durham, NC 27713 • (919) 850-4392 • FAX (919) 850-9012 • www.enthalpy.com

Sample Chromatograms

ENTHALPY ANALYTICAL

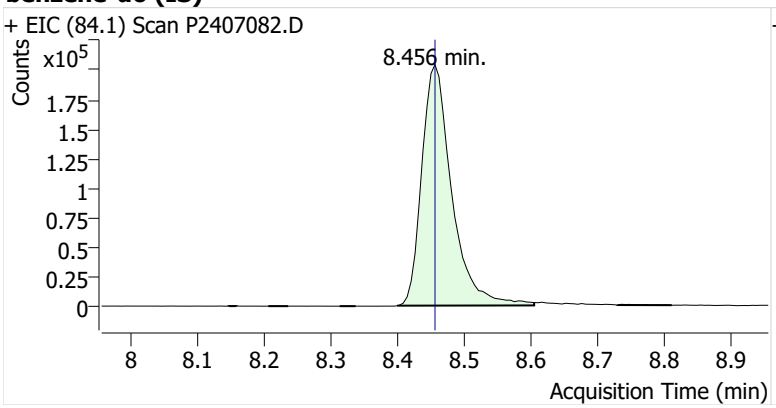
Name	2024FP405_Method Blank
Comment	C32924
Data File	P2407082.D
Acq. Date-Time	12/9/2024 3:30:55 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

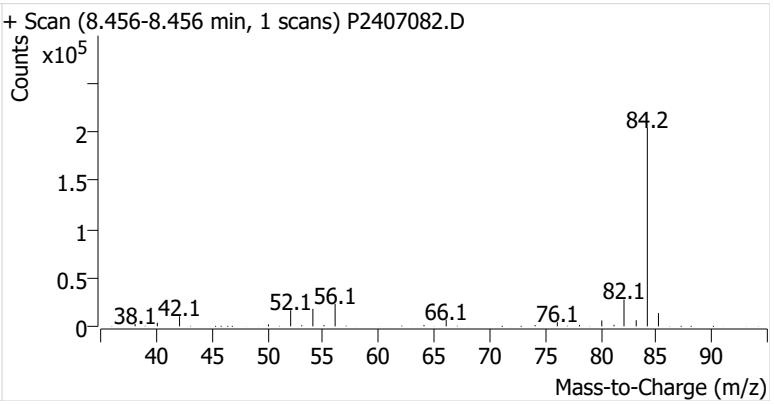
Sample Chromatogram



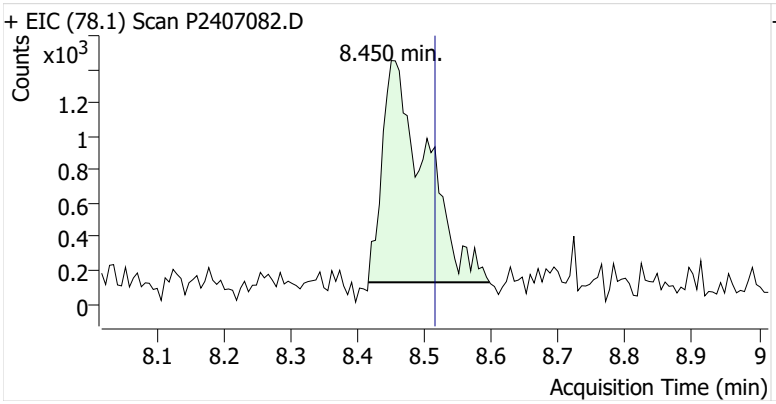
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.456	8.456	635,891	
Benzene	benzene-d6 (IS)	8.450	8.515	5,997	
Toluene-d8 (IS)		11.026	11.032	954,219	
Toluene	Toluene-d8 (IS)	11.127	11.121	5,070	
Ethylbenzene	Toluene-d8 (IS)	13.269	13.252	3,136	
m-/p-Xylenes	Toluene-d8 (IS)	13.489	13.459	3,696	
o-Xylene	Toluene-d8 (IS)	13.940	13.922	1,974	

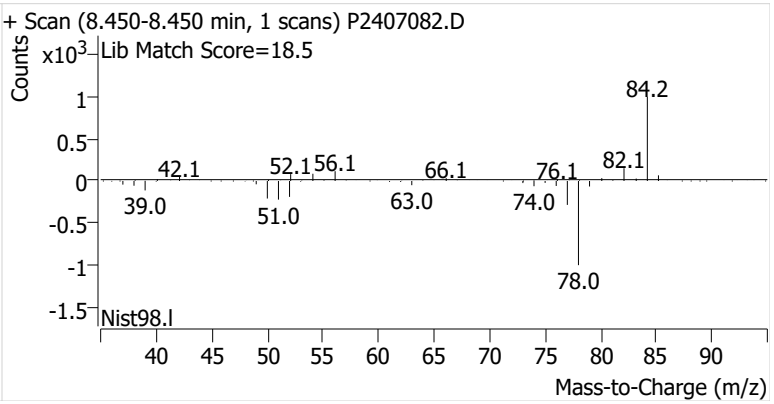
benzene-d6 (IS)



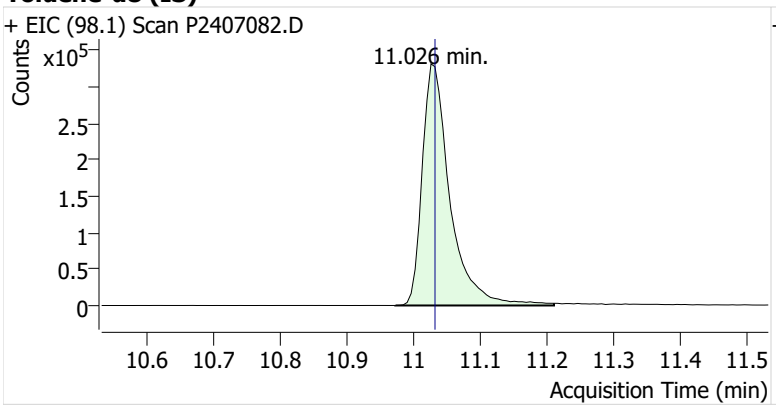


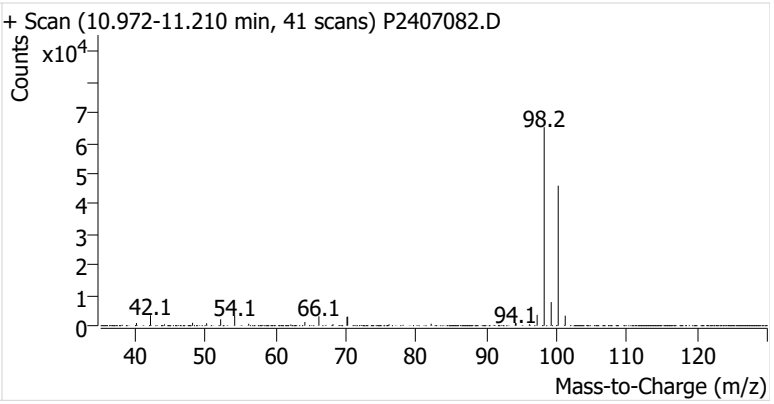
Benzene



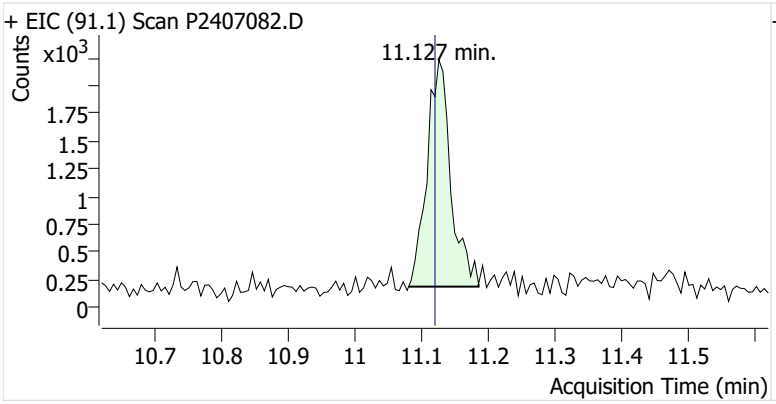


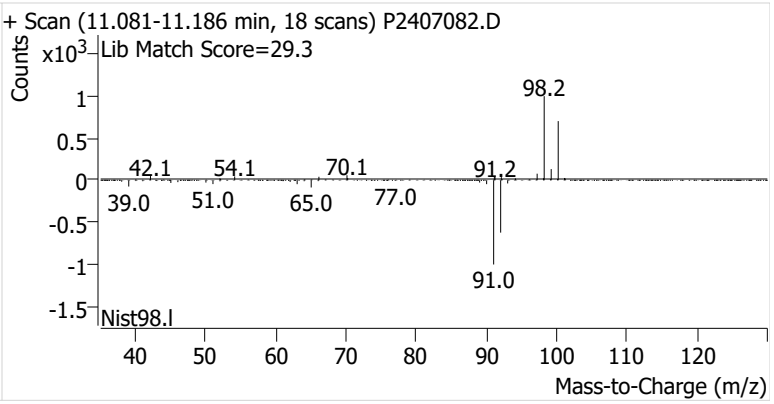
Toluene-d8 (IS)



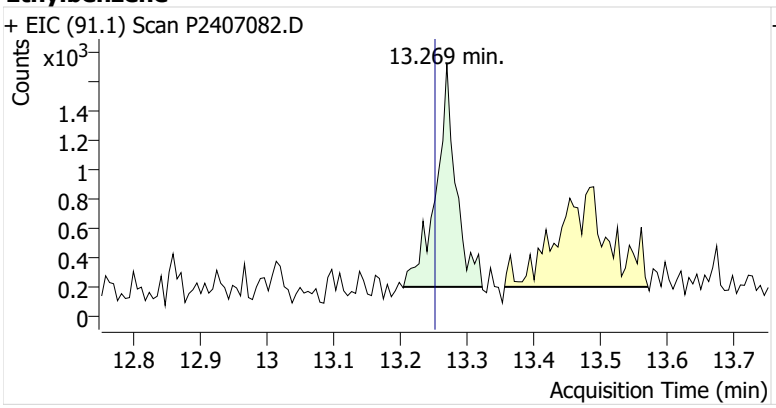


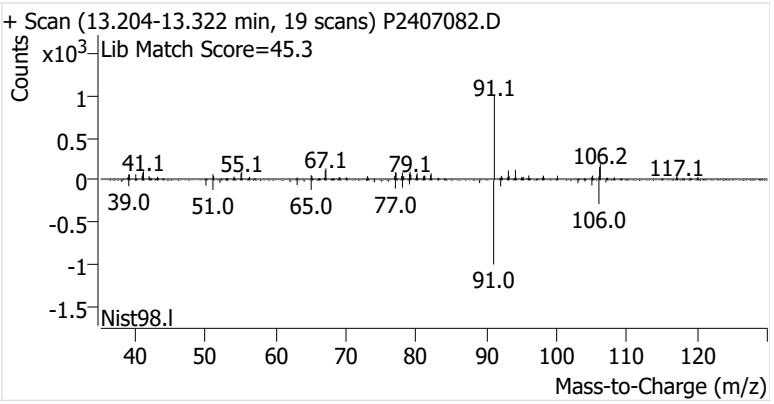
Toluene



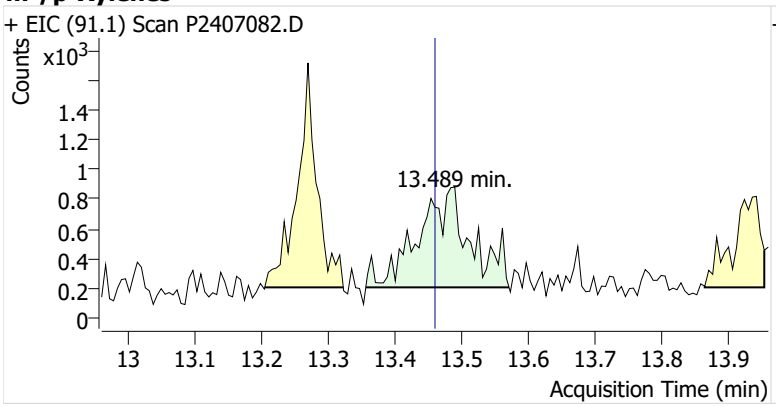


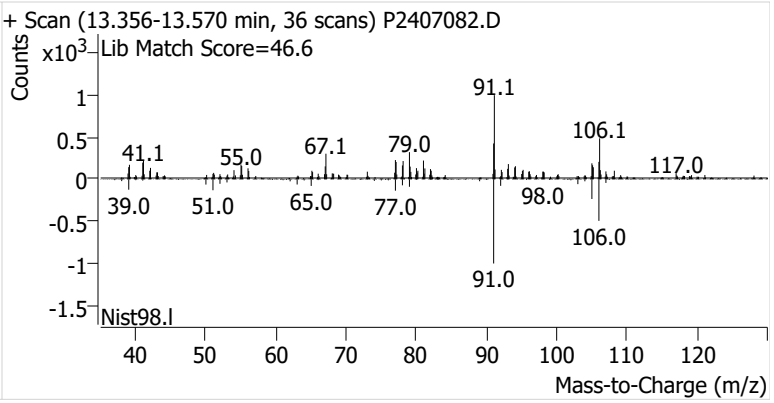
Ethylbenzene



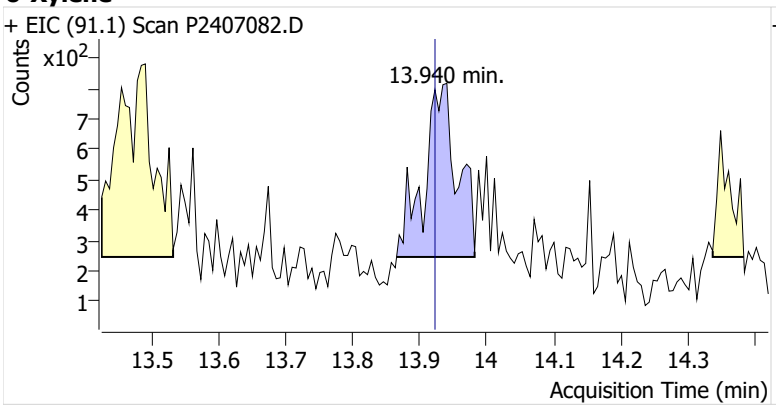


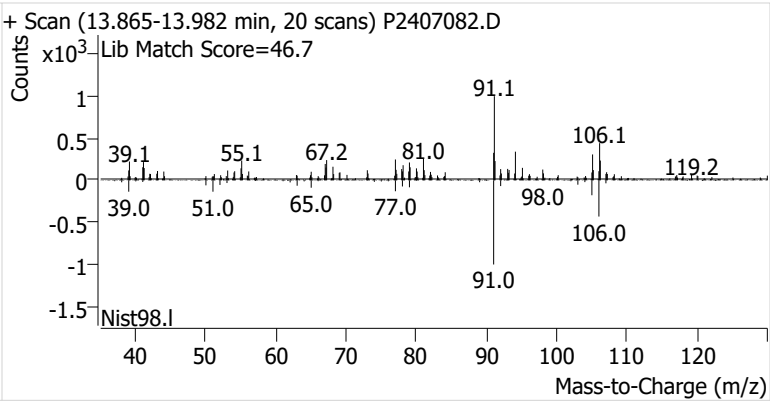
m-/p-Xylenes





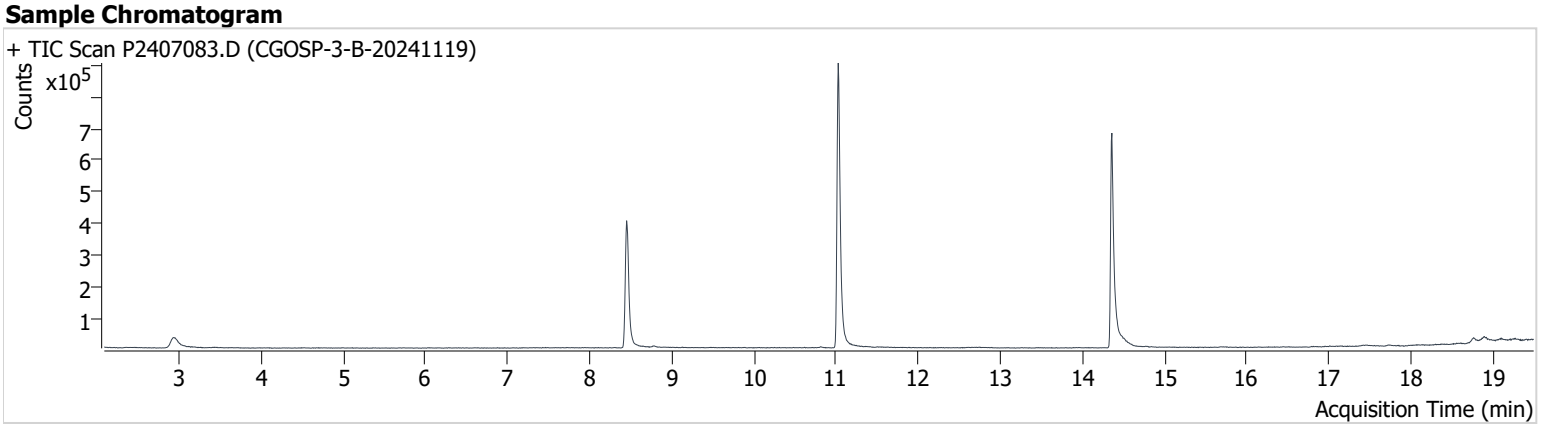
o-Xylene


+ EIC (91.1) Scan P2407082.D
Counts
x10^2
13.940 min.
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3
Acquisition Time (min)


+ Scan (13.865-13.982 min, 20 scans) P2407082.D
Counts
x10^3
Lib Match Score=46.7
91.1
106.1
39.1
55.1
67.2
81.0
119.2
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

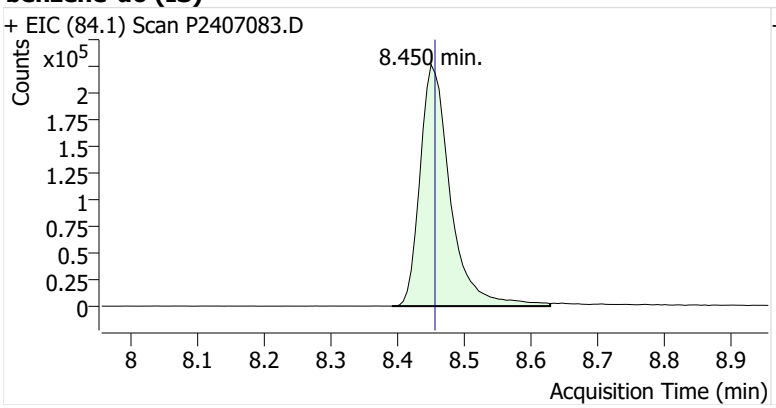
Name	CGOSP-3-B-20241119
Comment	B52922
Data File	P2407083.D
Acq. Date-Time	12/9/2024 4:08:08 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

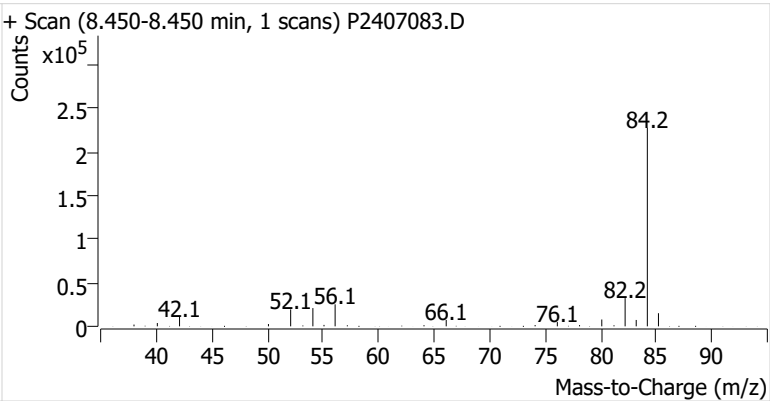
Sample Chromatogram



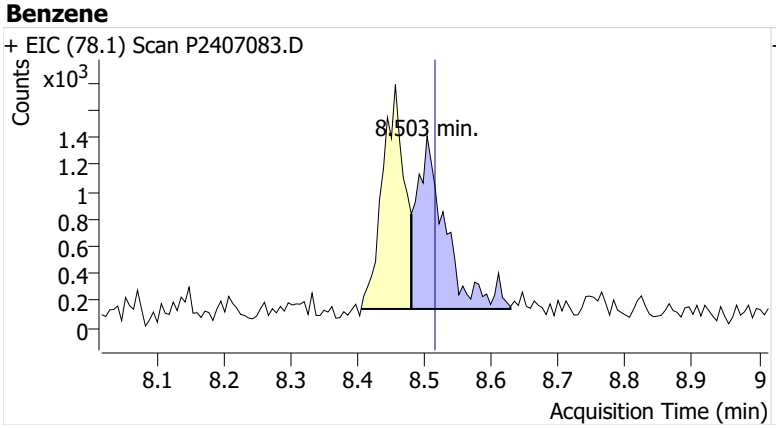
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.450	8.456	716,184	
Benzene	benzene-d6 (IS)	8.503	8.515	3,796	
Toluene-d8 (IS)		11.026	11.032	1,023,162	
Toluene	Toluene-d8 (IS)	11.115	11.121	5,791	
Ethylbenzene	Toluene-d8 (IS)	13.258	13.252	980	
m-/p-Xylenes	Toluene-d8 (IS)	13.459	13.459	943	
o-Xylene	Toluene-d8 (IS)	13.922	13.922	273	

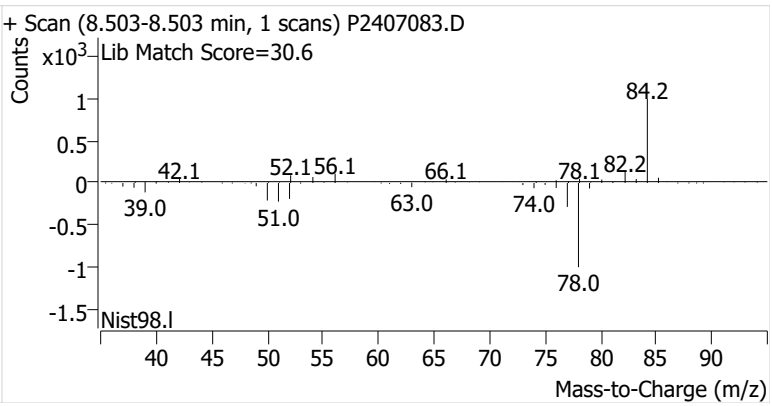
benzene-d6 (IS)



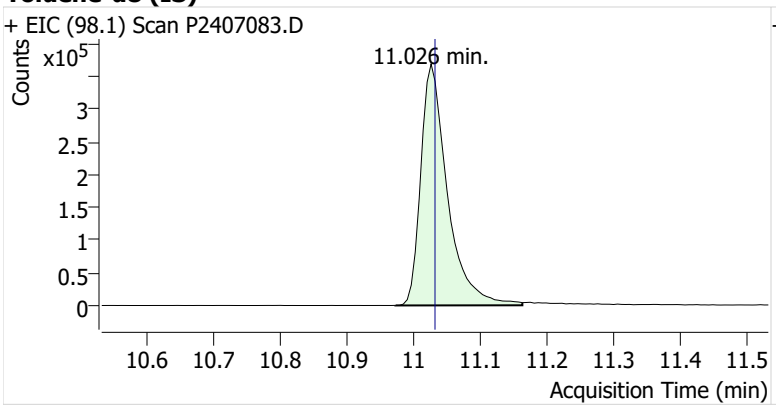


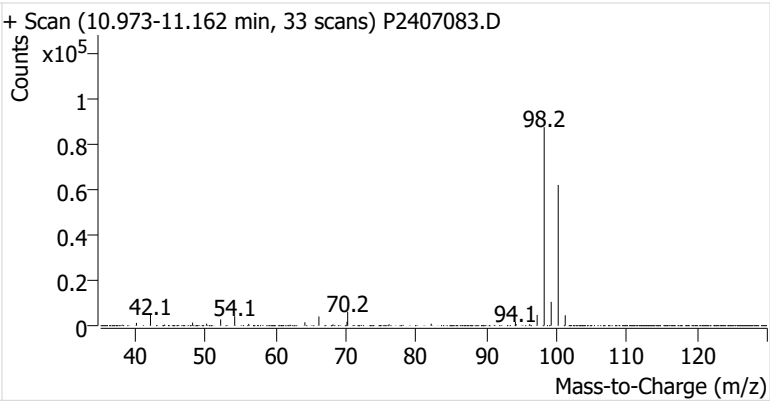
Benzene



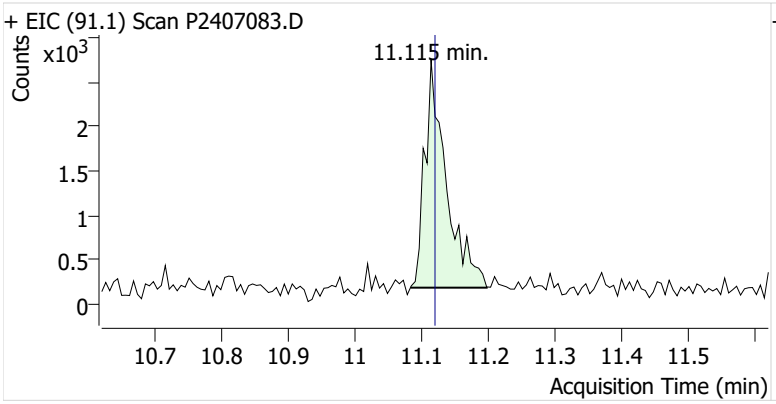


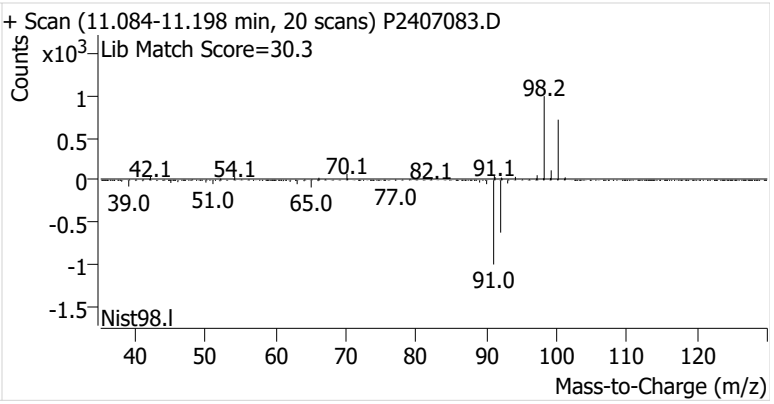
Toluene-d8 (IS)



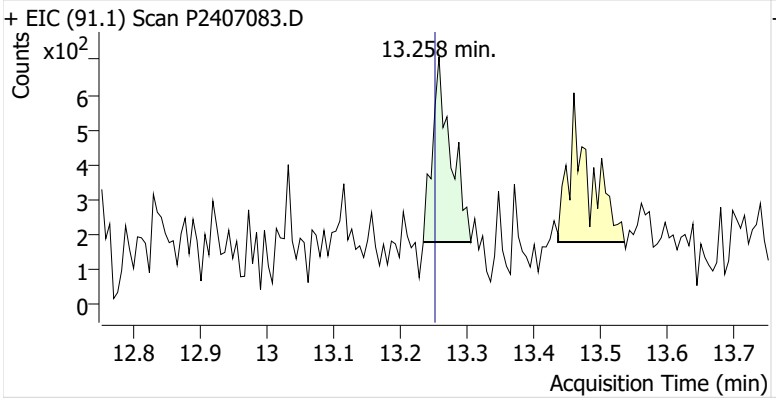


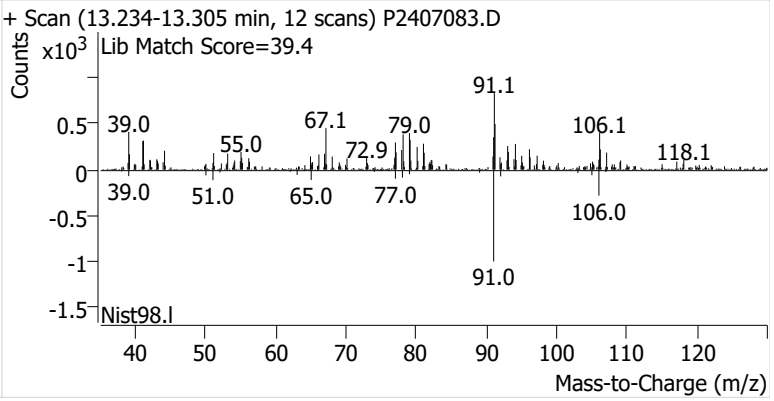
Toluene



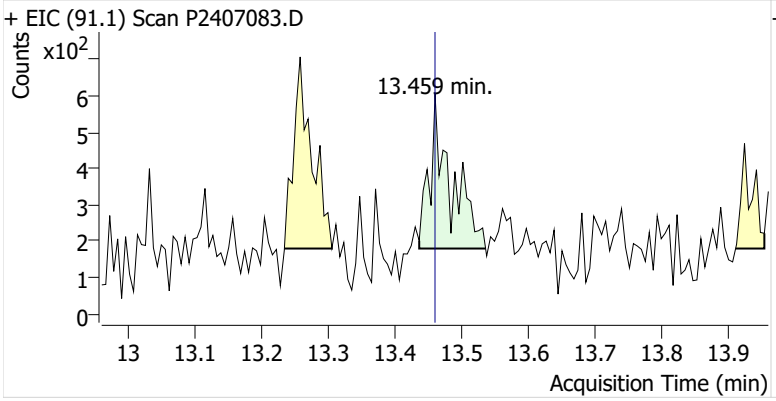


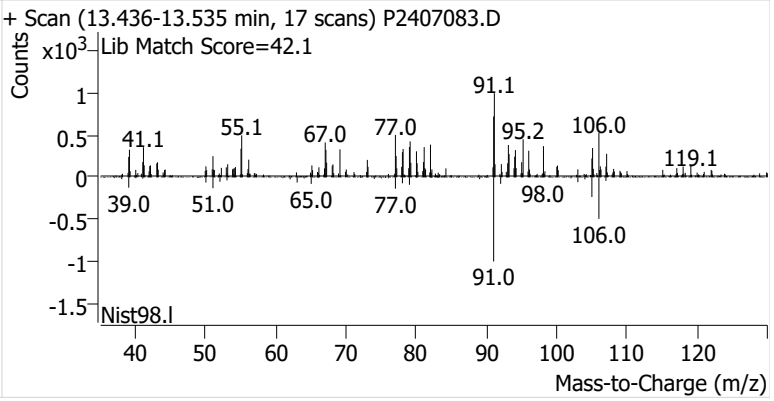
Ethylbenzene



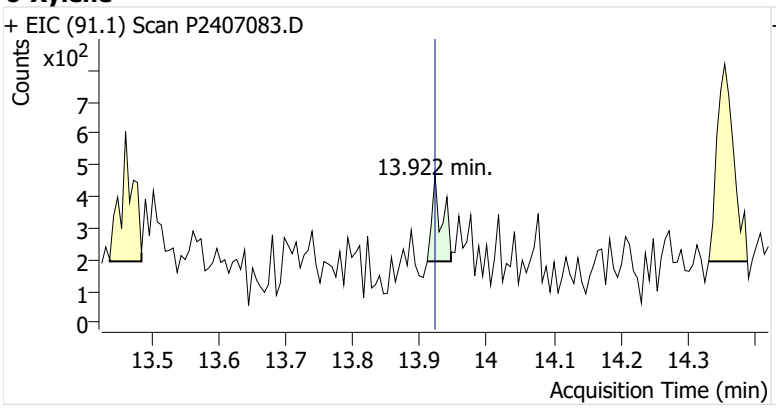


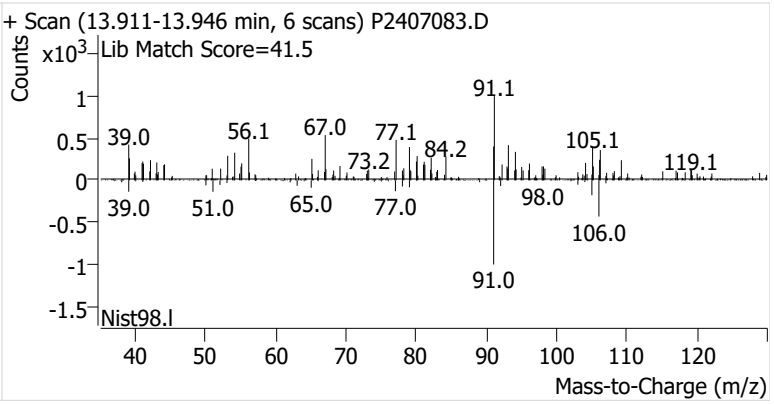
m-/p-Xylenes





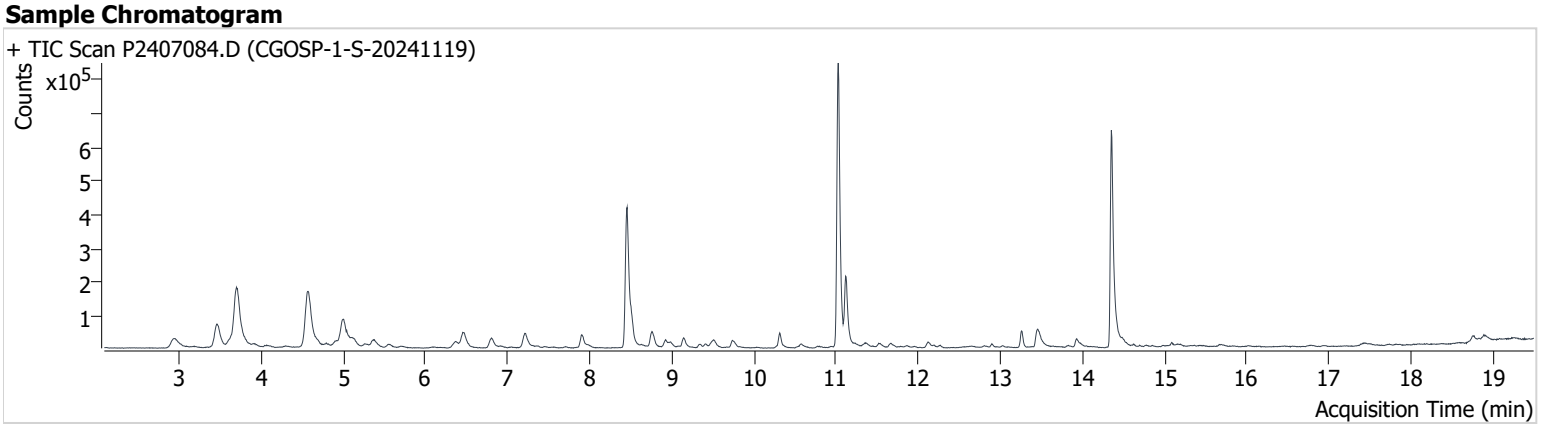
o-Xylene


+ EIC (91.1) Scan P2407083.D
Counts
x10^2
13.922 min.
Acquisition Time (min)


+ Scan (13.911-13.946 min, 6 scans) P2407083.D
Lib Match Score=41.5
Counts
x10^3
91.1
39.0
56.1
67.0
77.1
84.2
73.2
105.1
119.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
Mass-to-Charge (m/z)

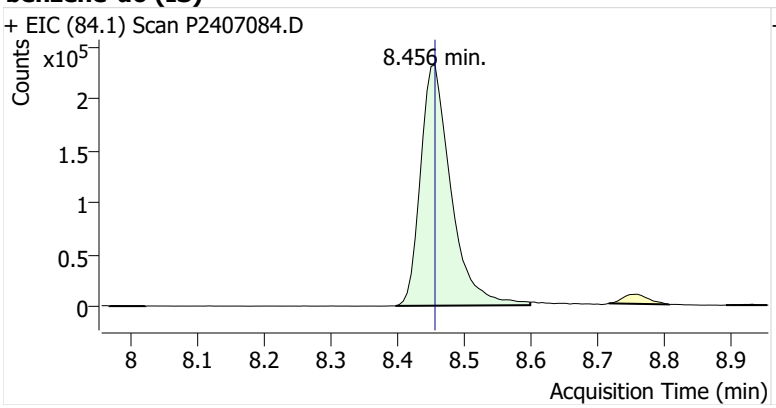
Name	CGOSP-1-S-20241119
Comment	B15088
Data File	P2407084.D
Acq. Date-Time	12/9/2024 4:45:23 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

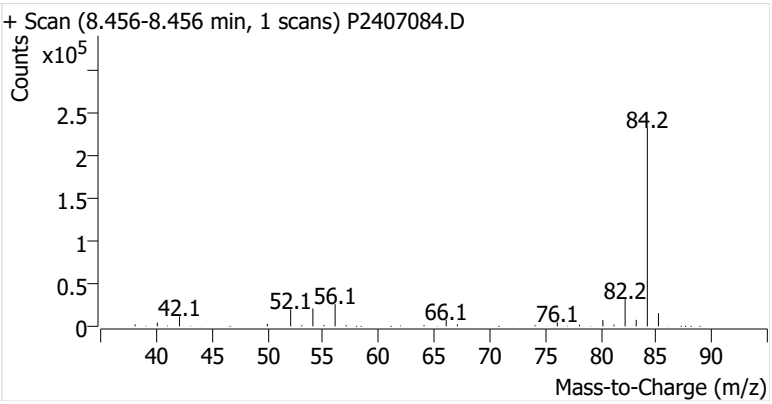
Sample Chromatogram



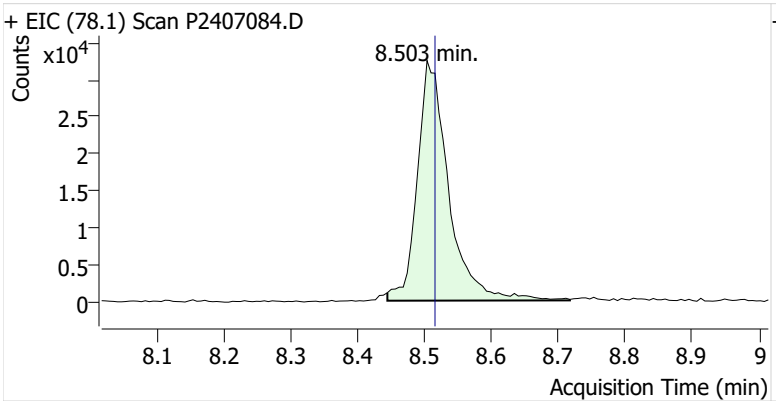
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.456	8.456	736,307	
Benzene	benzene-d6 (IS)	8.503	8.515	105,628	
Toluene-d8 (IS)		11.026	11.032	936,837	
Toluene	Toluene-d8 (IS)	11.115	11.121	226,937	
Ethylbenzene	Toluene-d8 (IS)	13.258	13.252	54,614	
m-/p-Xylenes	Toluene-d8 (IS)	13.453	13.459	94,712	
o-Xylene	Toluene-d8 (IS)	13.928	13.922	33,669	

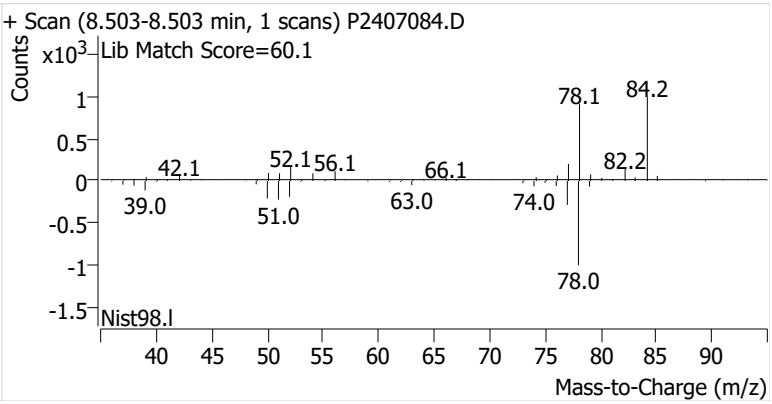
benzene-d6 (IS)



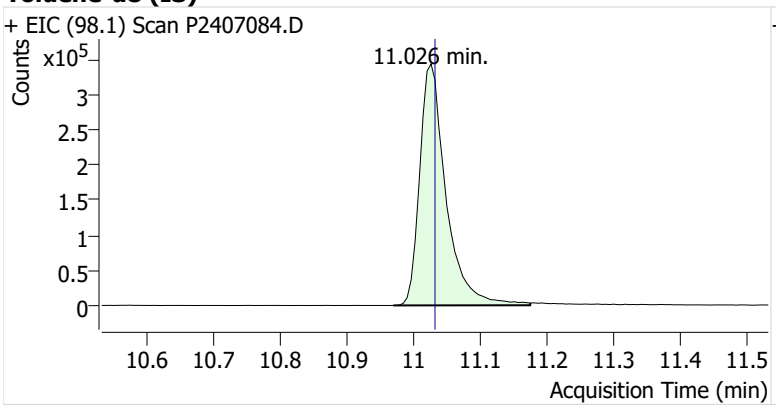


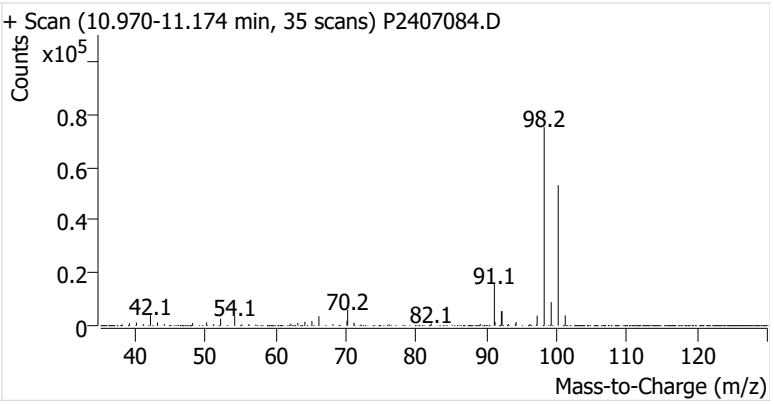
Benzene



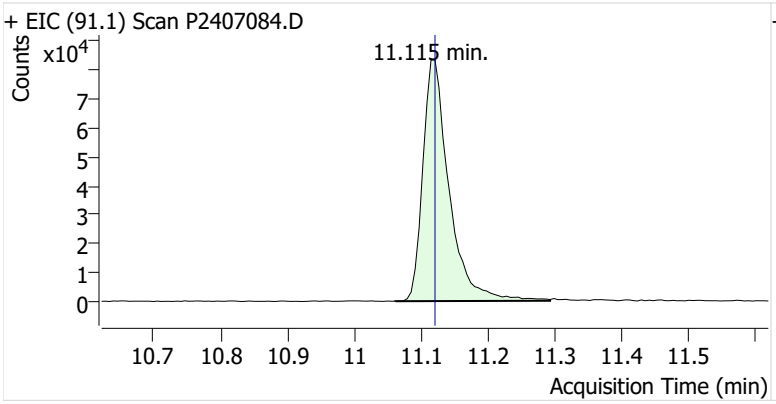


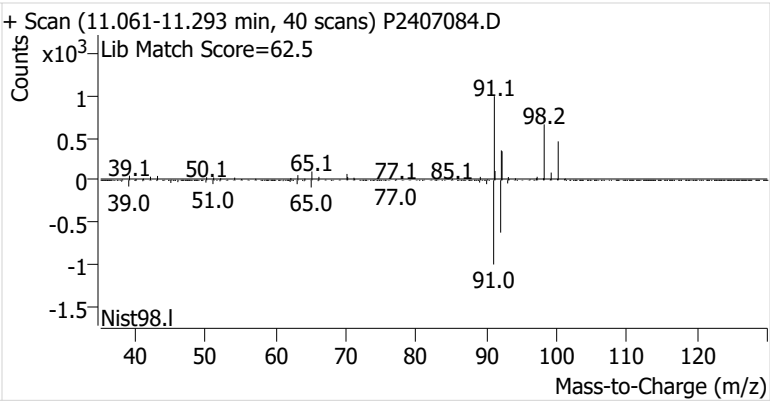
Toluene-d8 (IS)



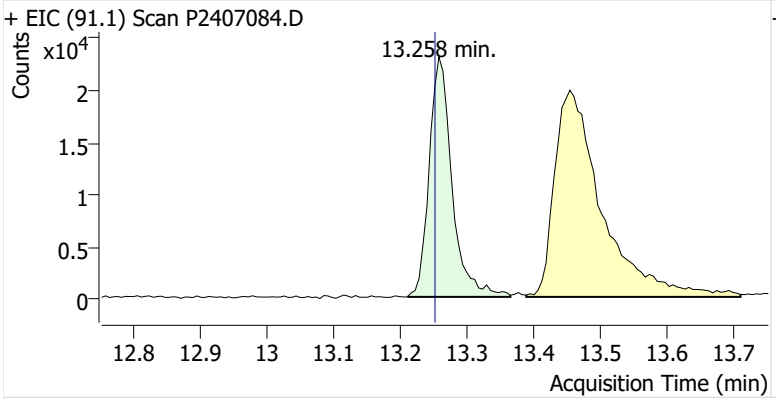


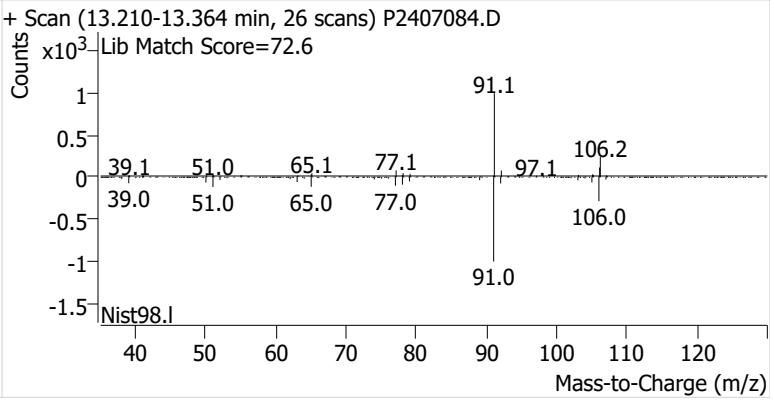
Toluene



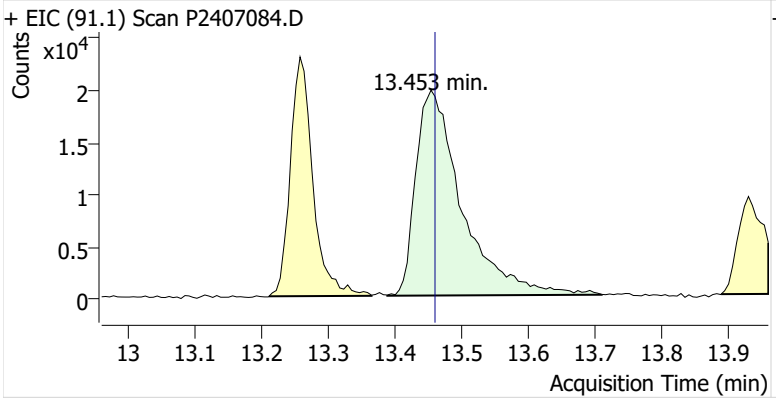


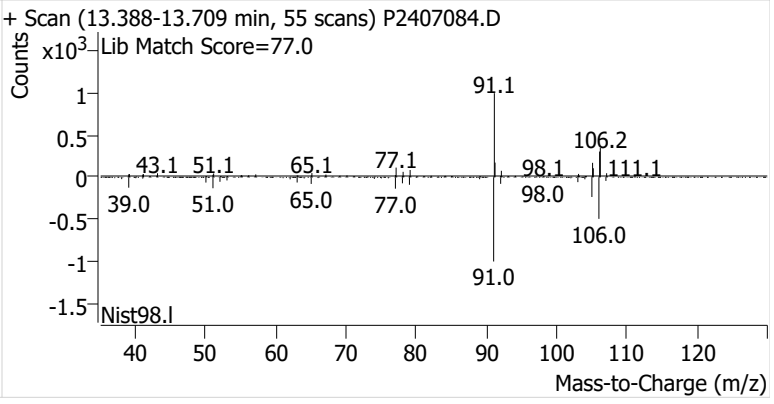
Ethylbenzene



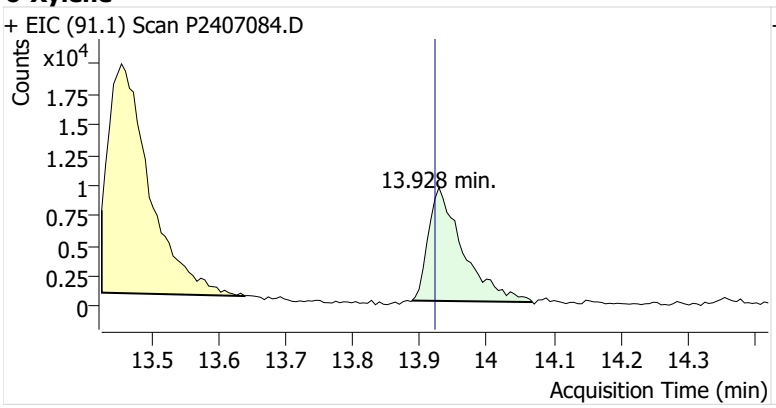


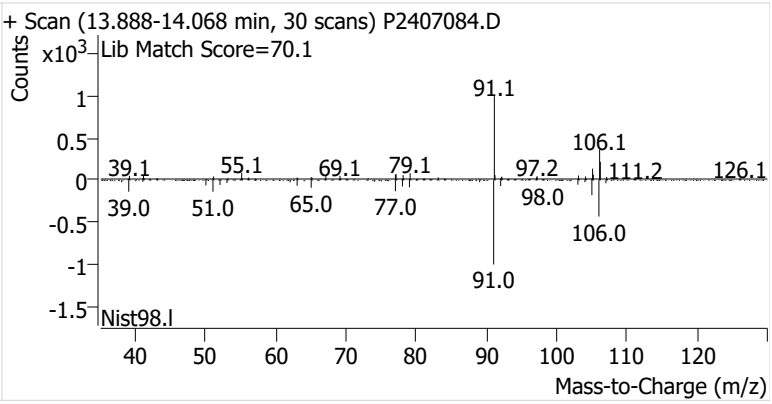
m-/p-Xylenes





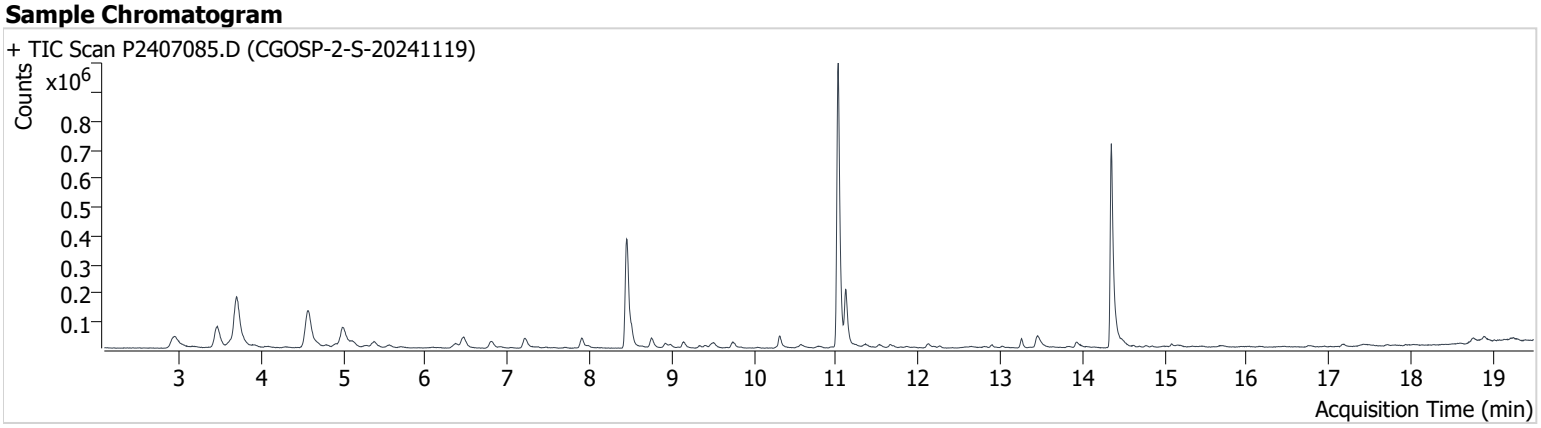
o-Xylene


+ EIC (91.1) Scan P2407084.D
Counts
x10^4
1.75
1.5
1.25
1
0.75
0.5
0.25
0
13.928 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.888-14.068 min, 30 scans) P2407084.D
Counts
x10^3
Lib Match Score=70.1
1
0.5
0
-0.5
-1
-1.5
91.1
106.1
39.1
55.1
69.1
79.1
97.2
111.2
126.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

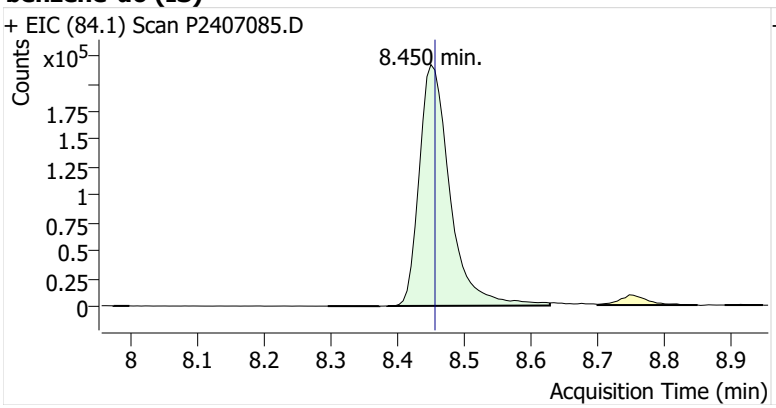
Name	CGOSP-2-S-20241119
Comment	B34545
Data File	P2407085.D
Acq. Date-Time	12/9/2024 5:22:35 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

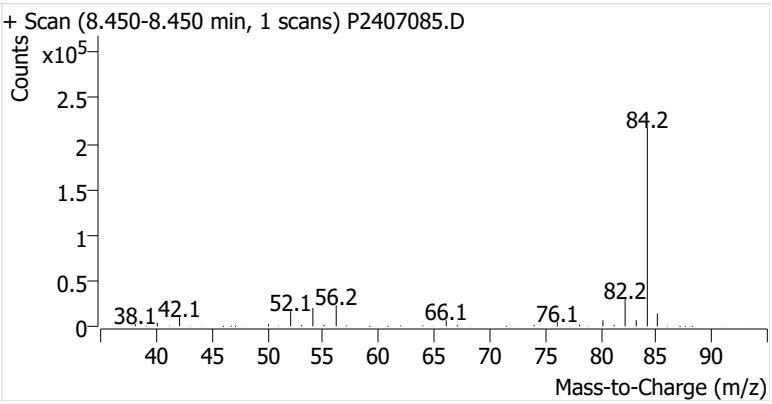
Sample Chromatogram



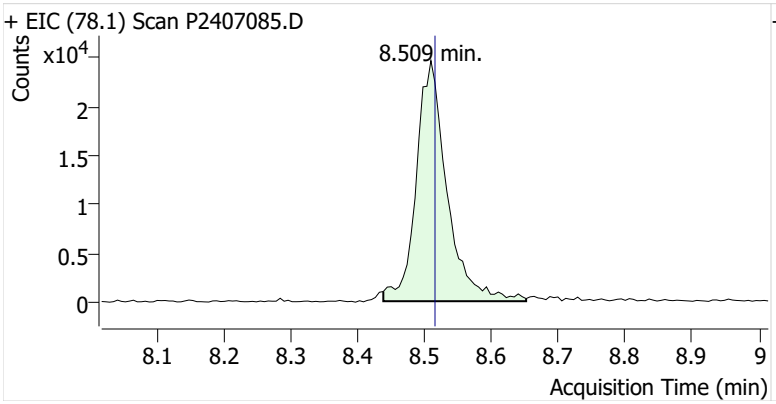
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.450	8.456	693,104	
Benzene	benzene-d6 (IS)	8.509	8.515	78,394	
Toluene-d8 (IS)		11.026	11.032	1,081,203	
Toluene	Toluene-d8 (IS)	11.115	11.121	206,978	
Ethylbenzene	Toluene-d8 (IS)	13.257	13.252	32,931	
m-/p-Xylenes	Toluene-d8 (IS)	13.453	13.459	70,454	
o-Xylene	Toluene-d8 (IS)	13.928	13.922	25,340	

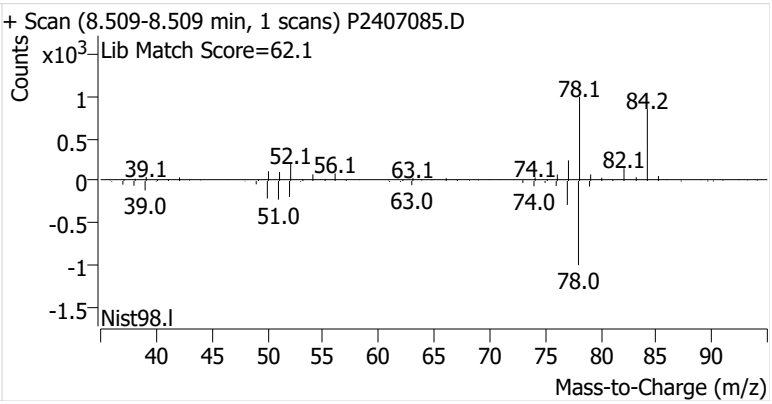
benzene-d6 (IS)



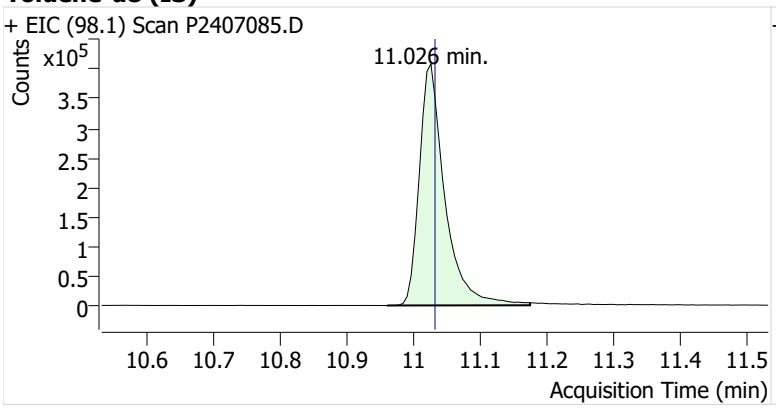


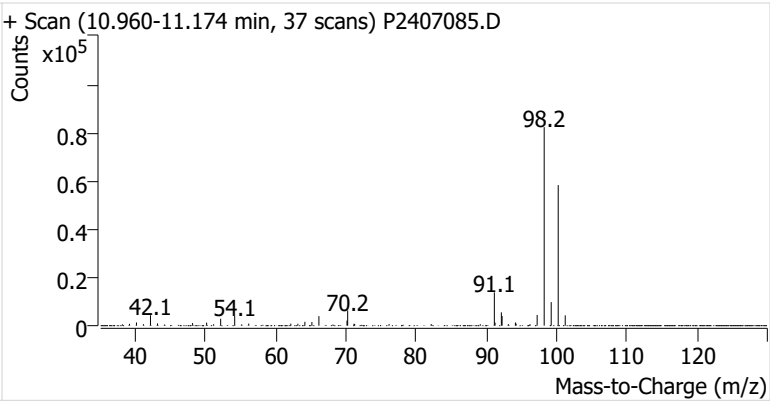
Benzene



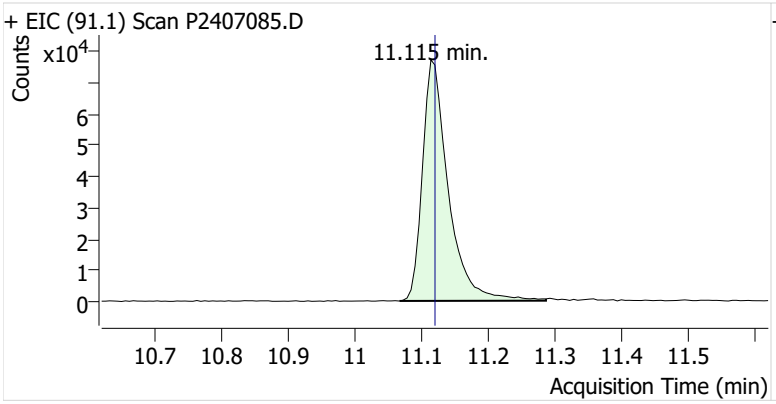


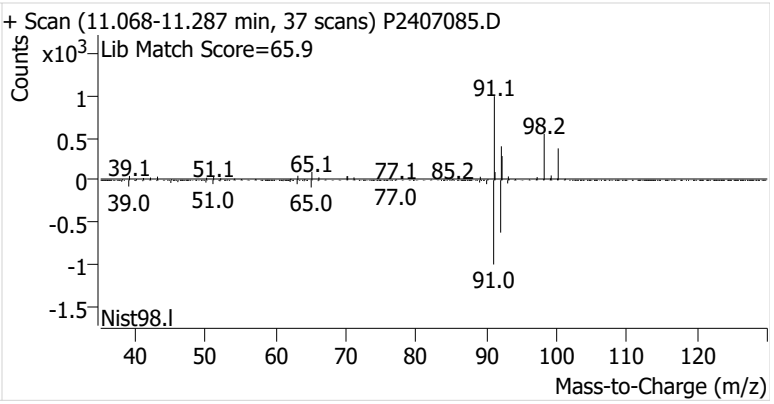
Toluene-d8 (IS)



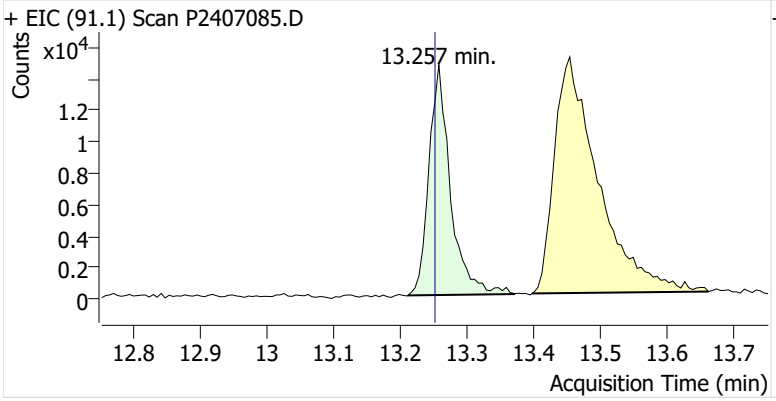


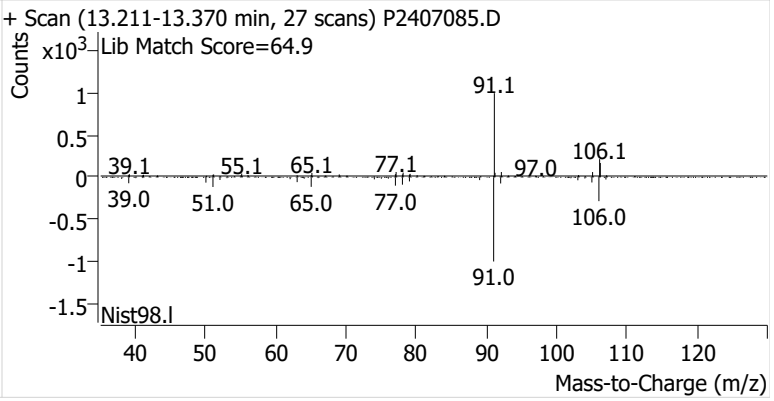
Toluene



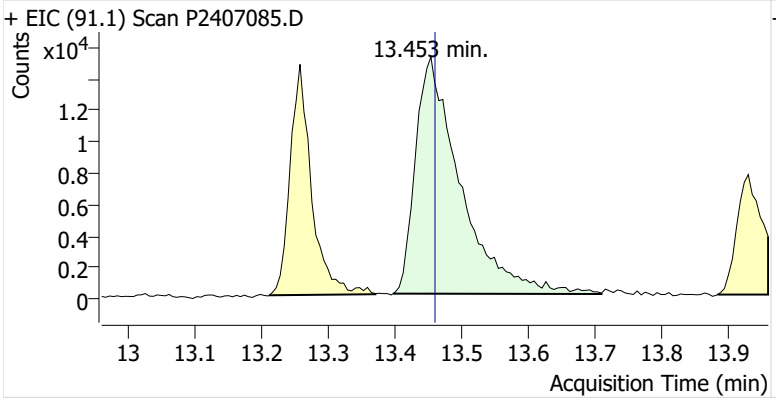


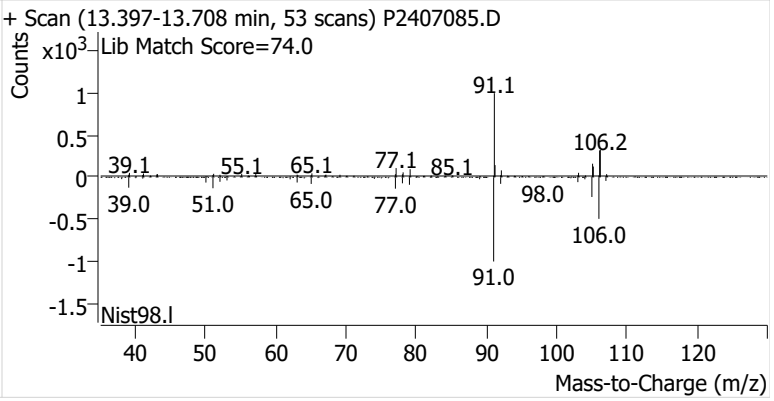
Ethylbenzene



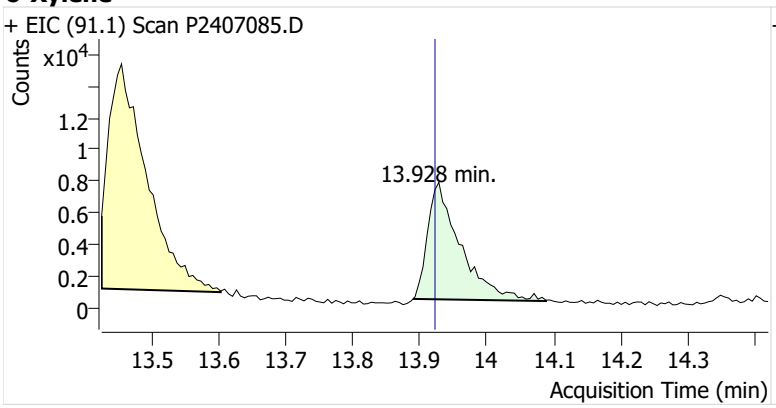


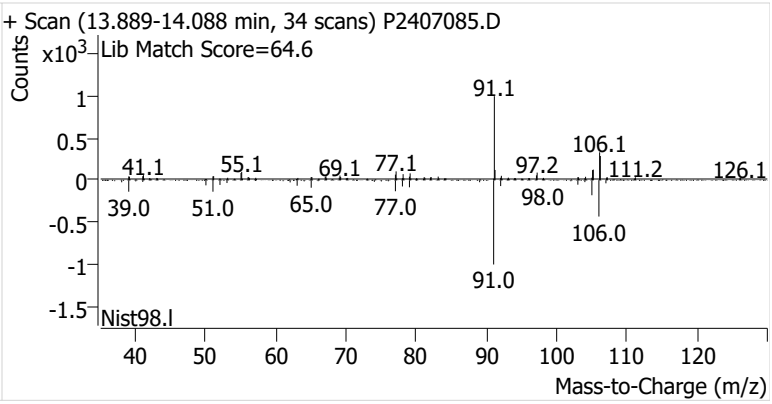
m-/p-Xylenes





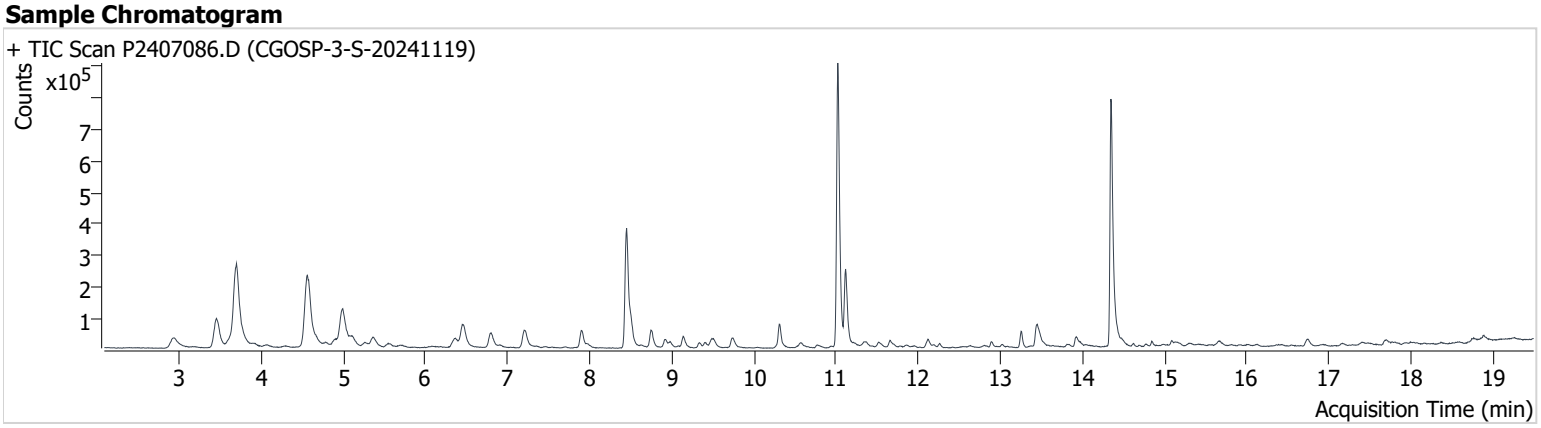
o-Xylene


+ EIC (91.1) Scan P2407085.D
Counts
x10^4
1.2
1
0.8
0.6
0.4
0.2
0
13.928 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.889-14.088 min, 34 scans) P2407085.D
Lib Match Score=64.6
Counts
x10^3
1
0.5
0
-0.5
-1
-1.5
91.1
106.1
41.1
55.1
69.1
77.1
97.2
111.2
126.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

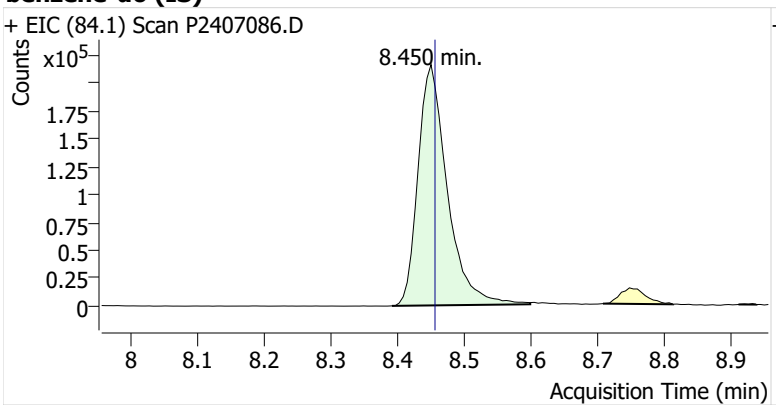
Name	CGOSP-3-S-20241119
Comment	B30619
Data File	P2407086.D
Acq. Date-Time	12/9/2024 5:59:50 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

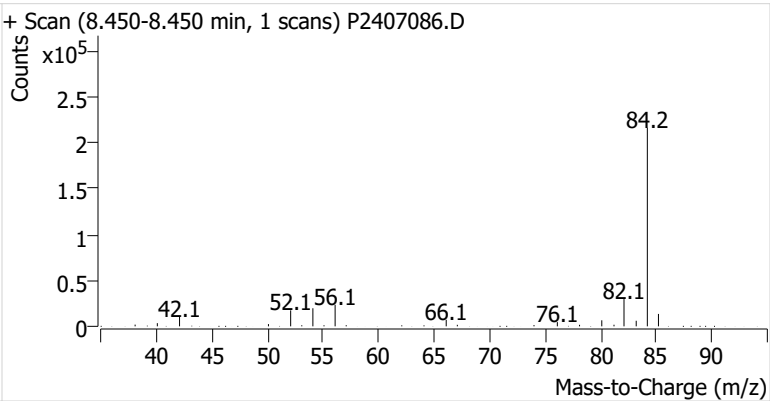
Sample Chromatogram



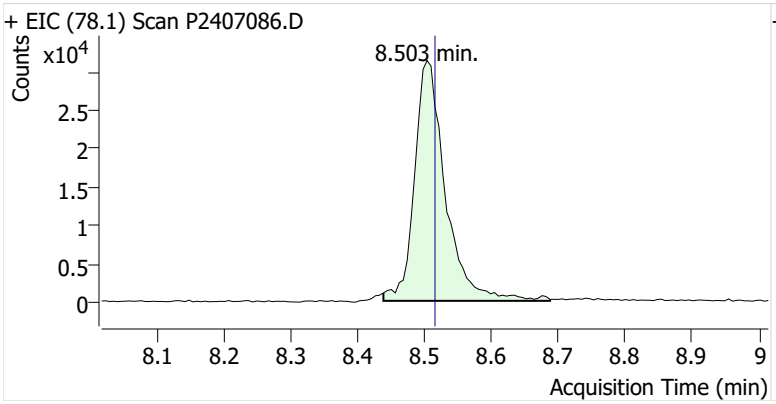
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.450	8.456	655,701	
Benzene	benzene-d6 (IS)	8.503	8.515	100,552	
Toluene-d8 (IS)		11.020	11.032	957,697	
Toluene	Toluene-d8 (IS)	11.115	11.121	261,778	
Ethylbenzene	Toluene-d8 (IS)	13.252	13.252	49,219	
m-/p-Xylenes	Toluene-d8 (IS)	13.447	13.459	119,263	
o-Xylene	Toluene-d8 (IS)	13.922	13.922	43,557	

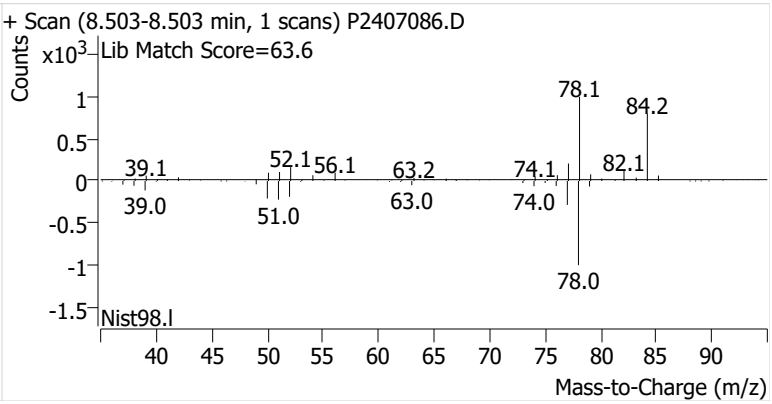
benzene-d6 (IS)



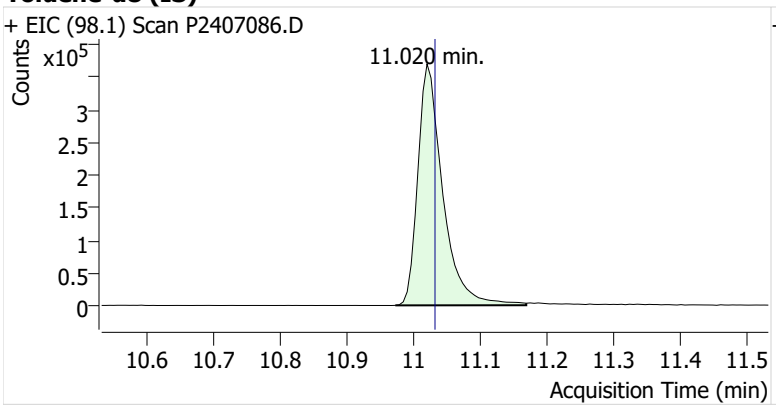


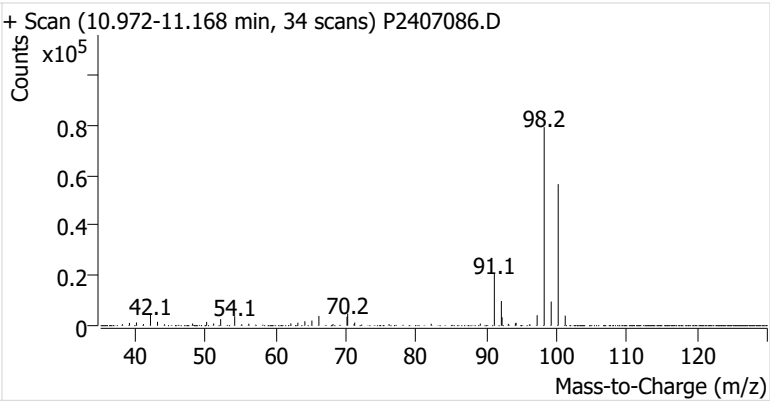
Benzene



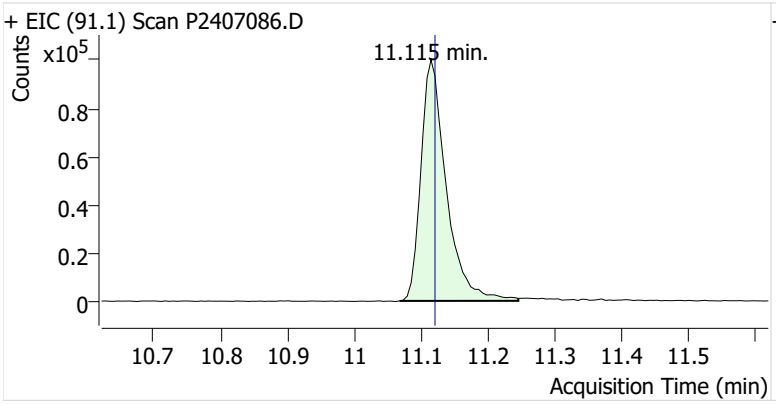


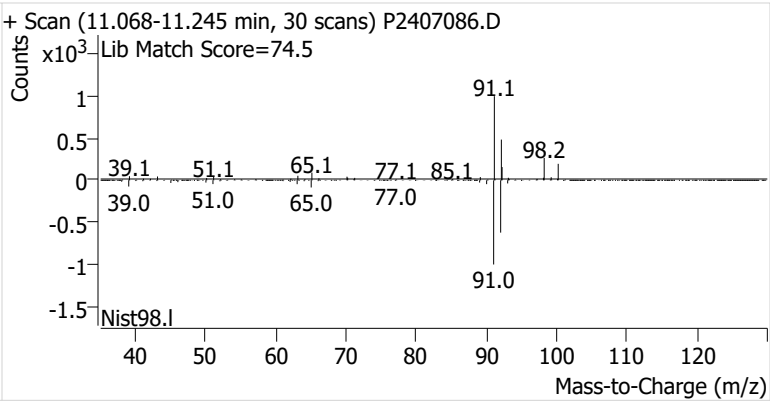
Toluene-d8 (IS)



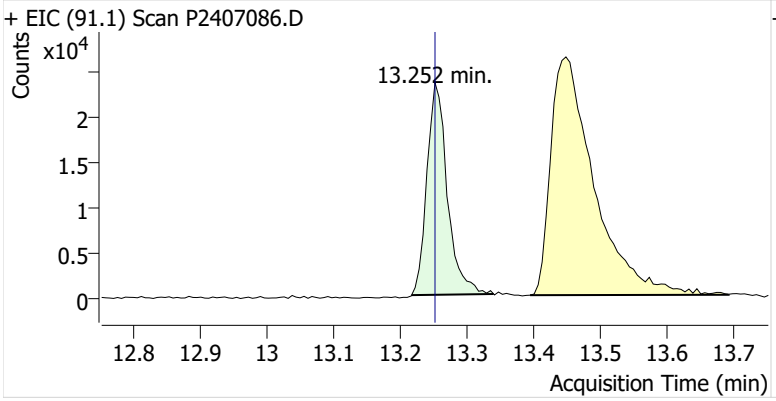


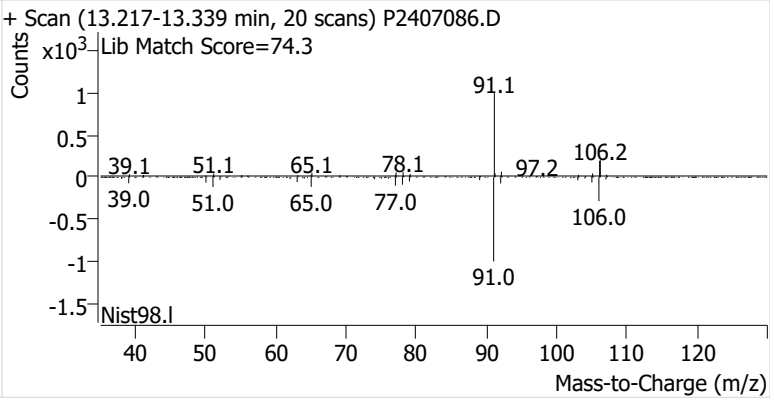
Toluene



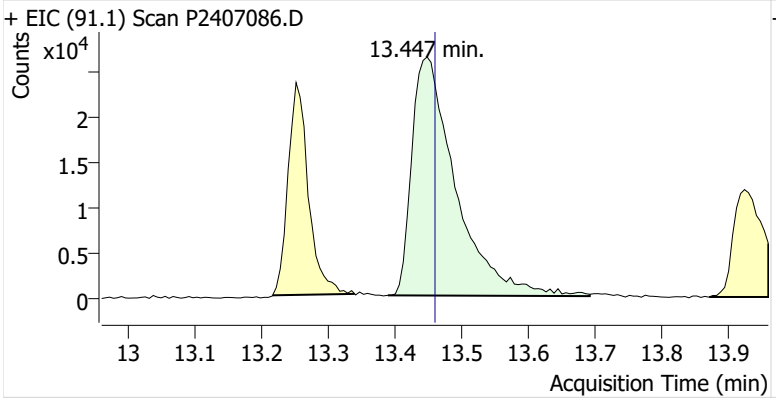


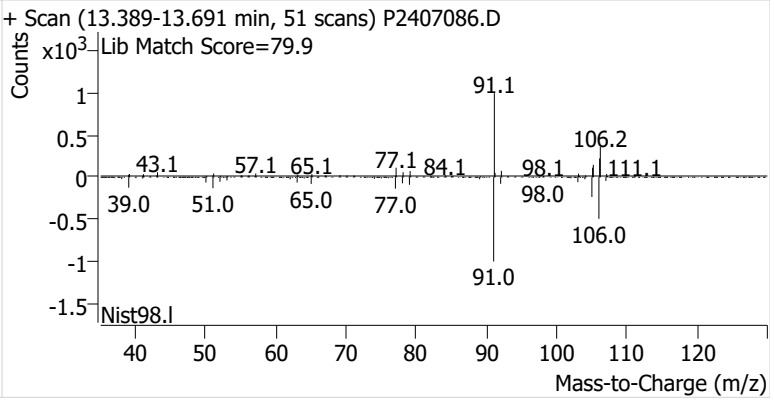
Ethylbenzene



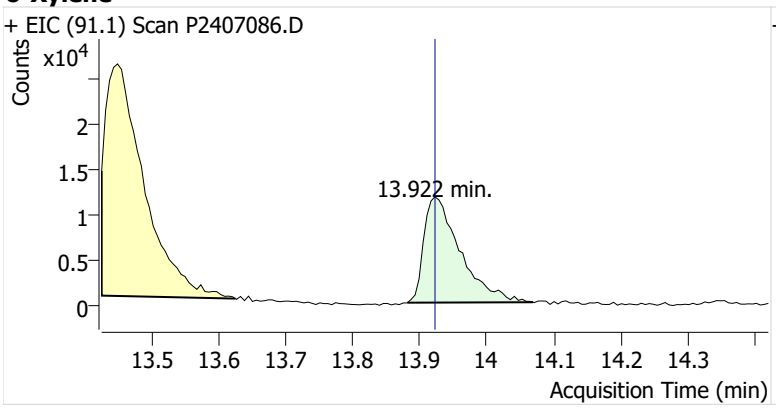


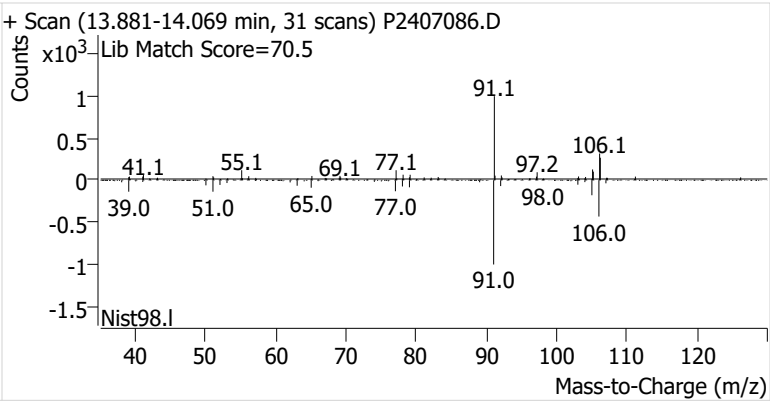
m-/p-Xylenes





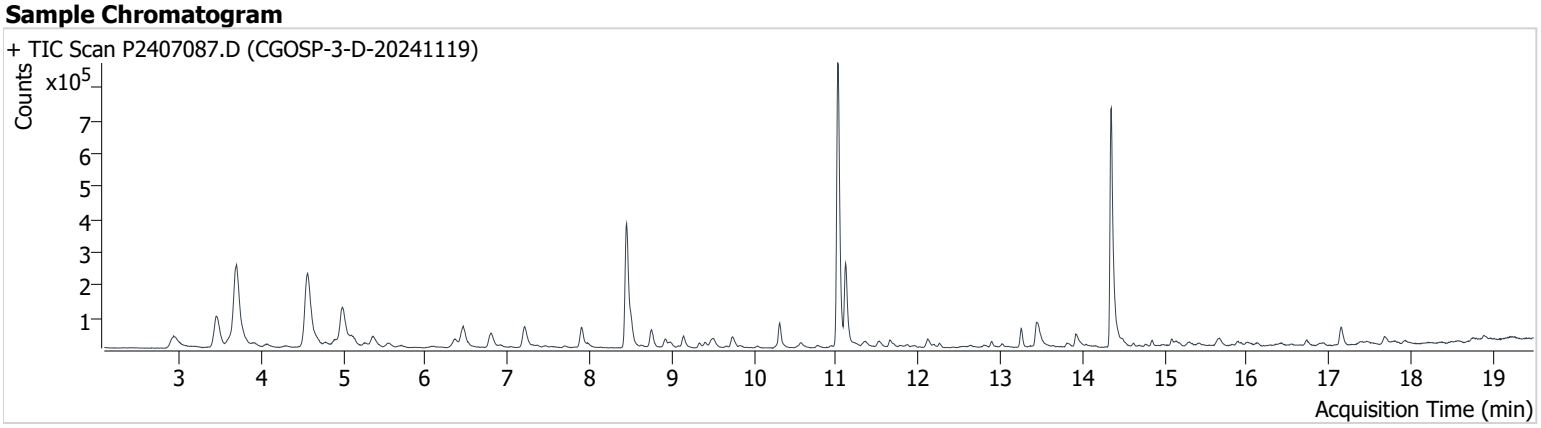
o-Xylene


+ EIC (91.1) Scan P2407086.D
Counts
x10^4
2
1.5
1
0.5
0
13.922 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.881-14.069 min, 31 scans) P2407086.D
Counts
x10^3
Lib Match Score=70.5
1
0.5
0
-0.5
-1
-1.5
91.1
106.1
41.1
55.1
69.1
77.1
97.2
98.0
39.0
51.0
65.0
77.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

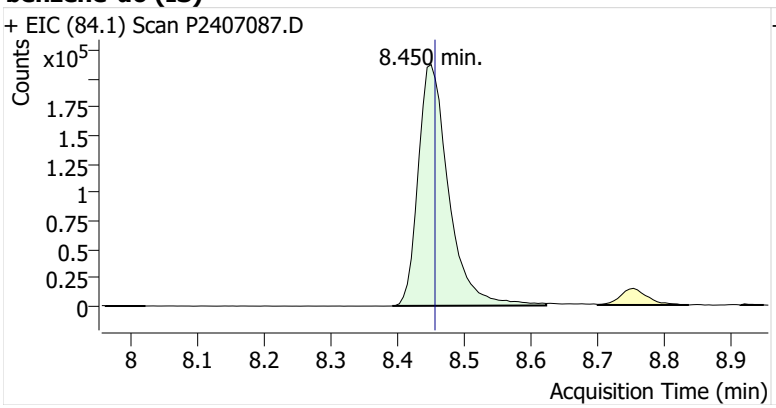
Name	CGOSP-3-D-20241119
Comment	B51039
Data File	P2407087.D
Acq. Date-Time	12/9/2024 6:37:04 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

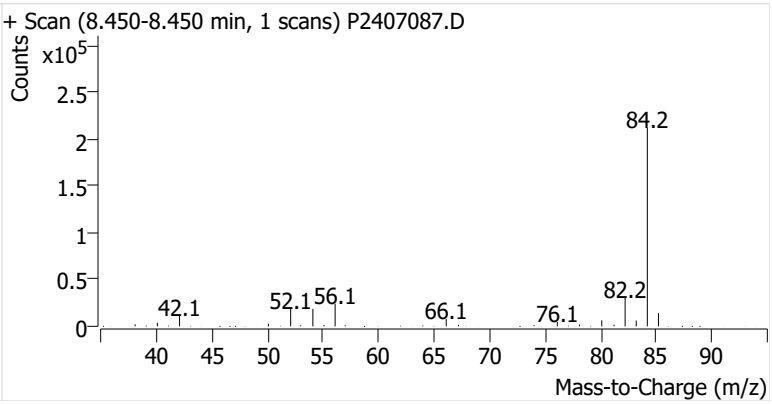
Sample Chromatogram



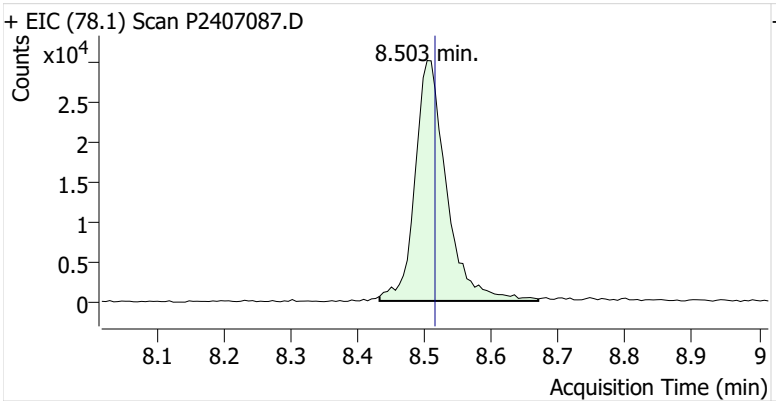
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.450	8.456	670,801	
Benzene	benzene-d6 (IS)	8.503	8.515	98,226	
Toluene-d8 (IS)		11.020	11.032	944,249	
Toluene	Toluene-d8 (IS)	11.115	11.121	273,543	
Ethylbenzene	Toluene-d8 (IS)	13.252	13.252	61,276	
m-/p-Xylenes	Toluene-d8 (IS)	13.448	13.459	127,379	
o-Xylene	Toluene-d8 (IS)	13.928	13.922	52,872	

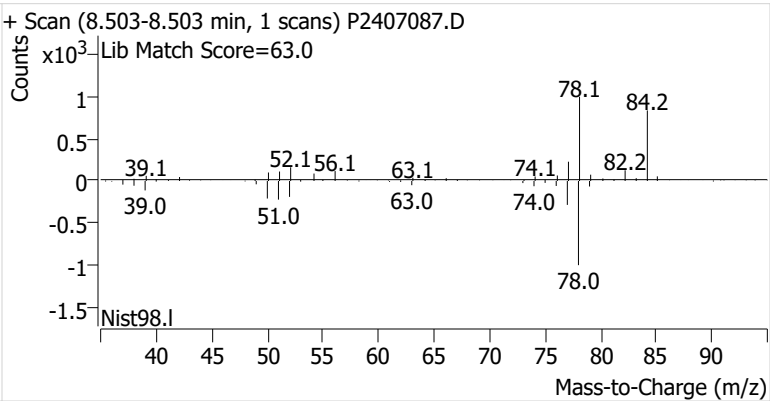
benzene-d6 (IS)



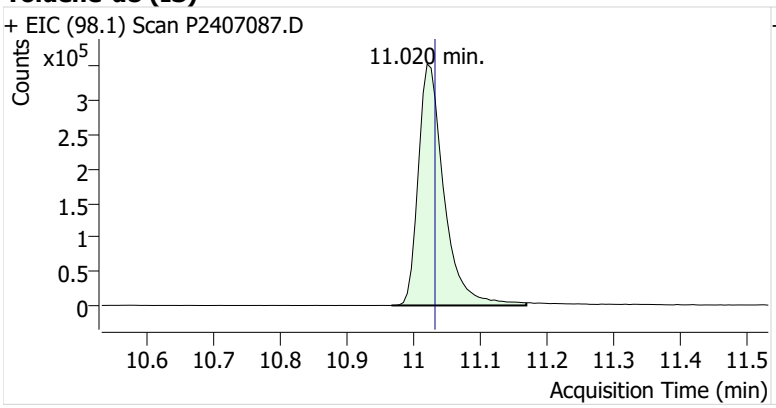


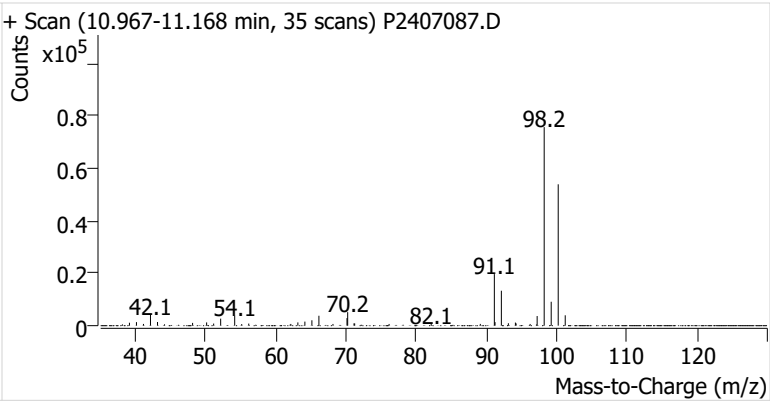
Benzene



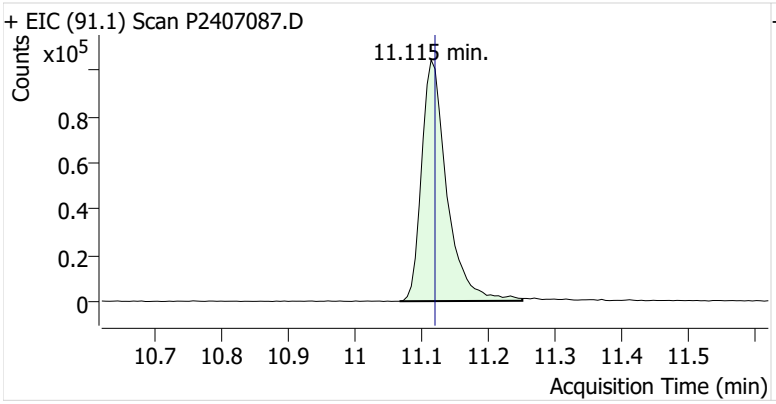


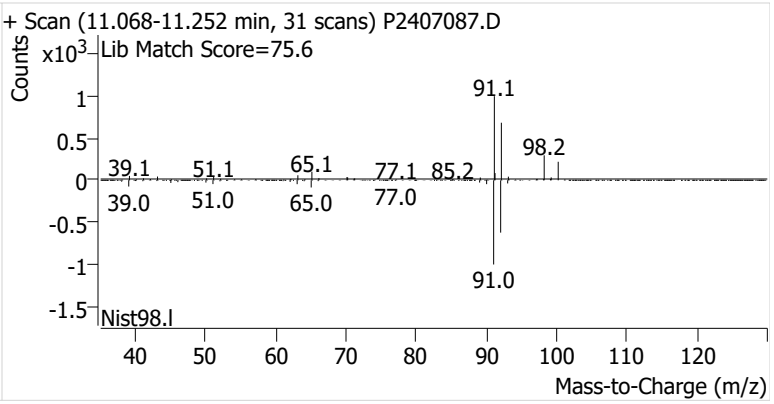
Toluene-d8 (IS)



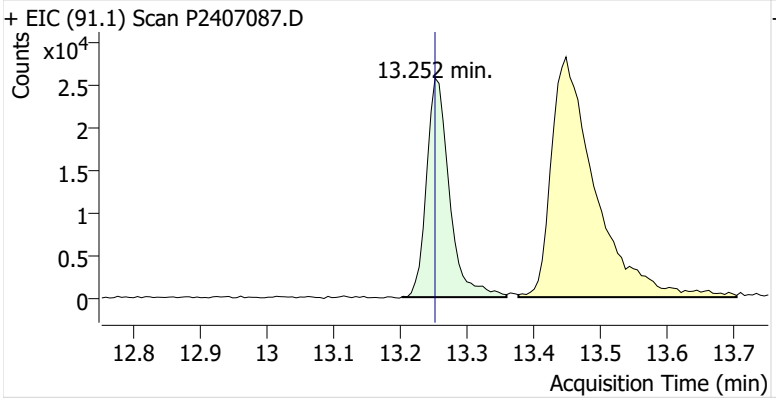


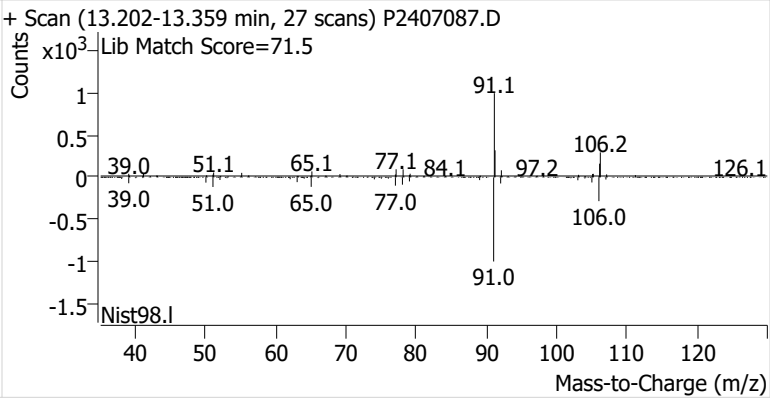
Toluene



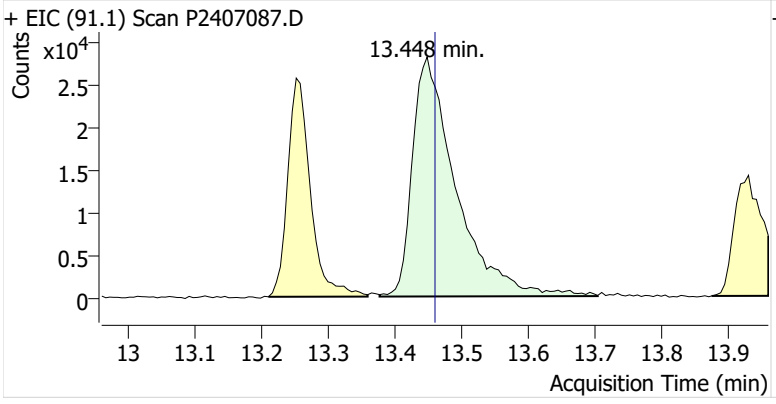


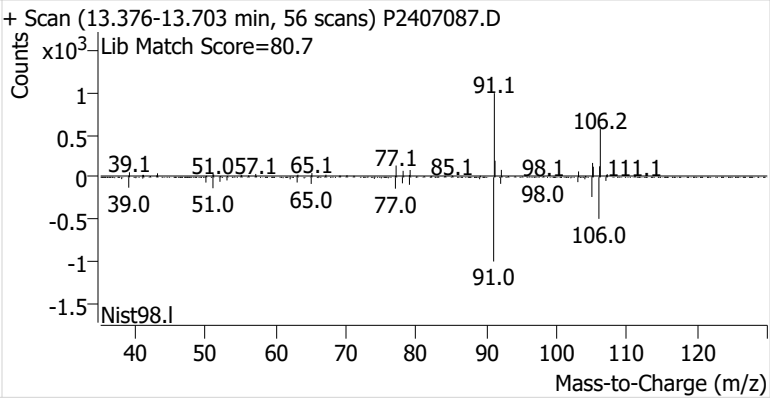
Ethylbenzene



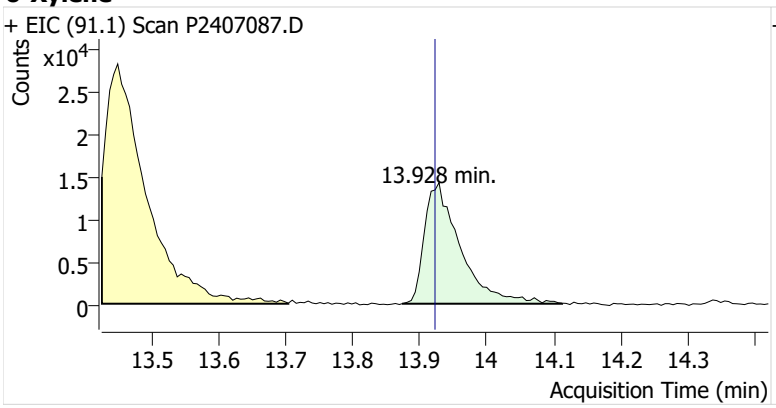


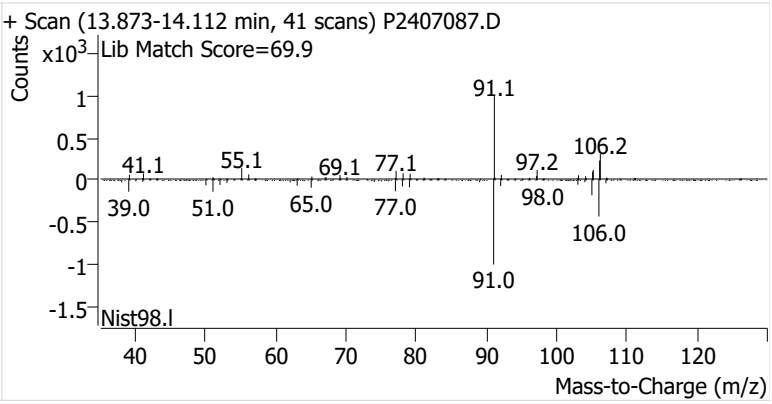
m-/p-Xylenes





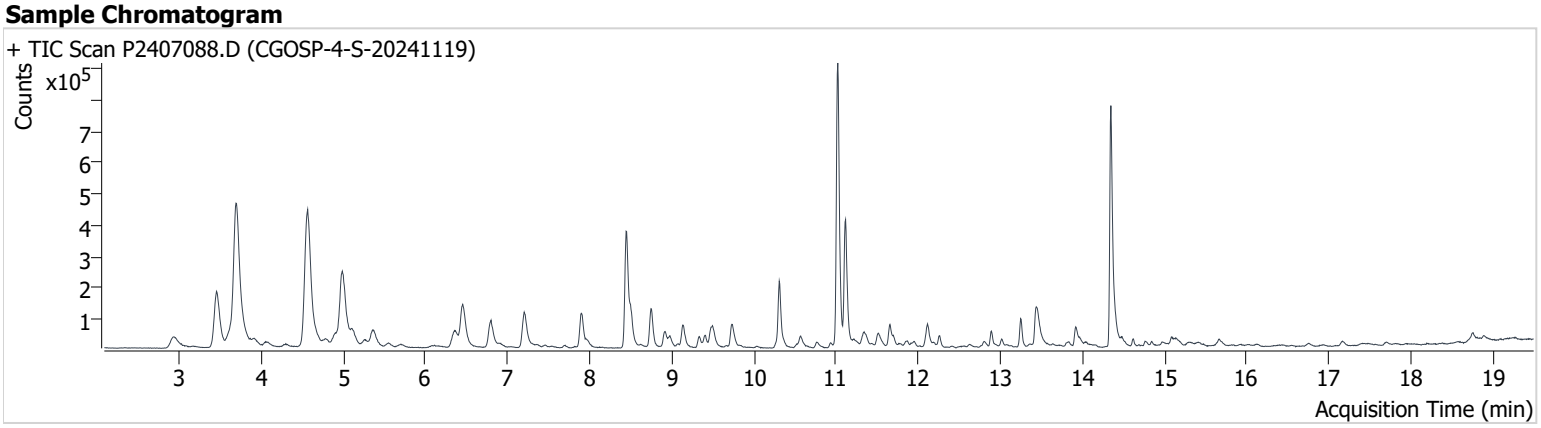
o-Xylene


+ EIC (91.1) Scan P2407087.D
Counts
x10^4
2.5
2
1.5
1
0.5
0
13.928 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.873-14.112 min, 41 scans) P2407087.D
Lib Match Score=69.9
Counts
x10^3
1
0.5
0
-0.5
-1
-1.5
91.1
41.1
55.1
69.1
77.1
97.2
106.2
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

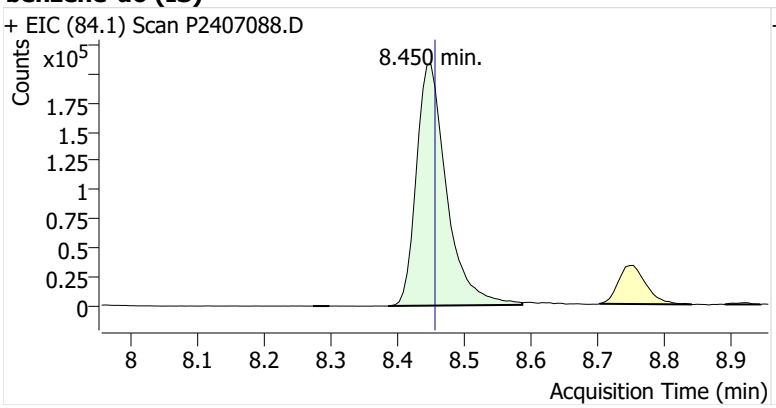
Name	CGOSP-4-S-20241119
Comment	B53272
Data File	P2407088.D
Acq. Date-Time	12/9/2024 7:14:17 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

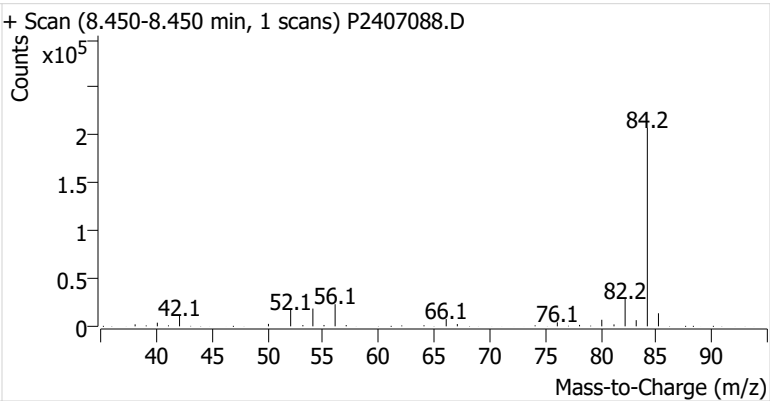
Sample Chromatogram



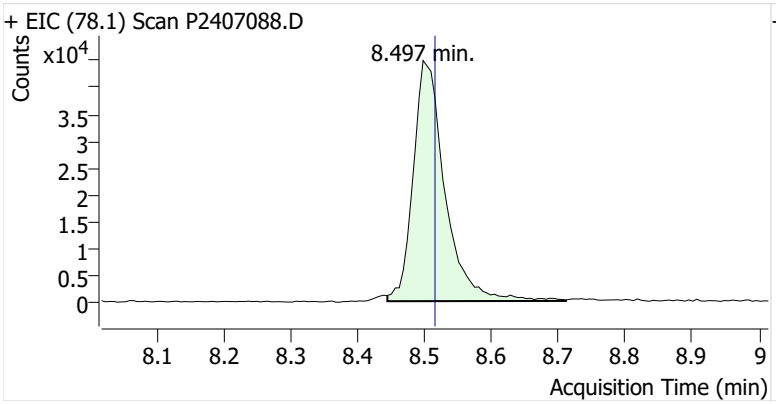
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.450	8.456	652,892	
Benzene	benzene-d6 (IS)	8.497	8.515	147,884	
Toluene-d8 (IS)		11.020	11.032	957,357	
Toluene	Toluene-d8 (IS)	11.115	11.121	446,281	
Ethylbenzene	Toluene-d8 (IS)	13.246	13.252	90,056	
m-/p-Xylenes	Toluene-d8 (IS)	13.436	13.459	193,883	
o-Xylene	Toluene-d8 (IS)	13.916	13.922	81,073	

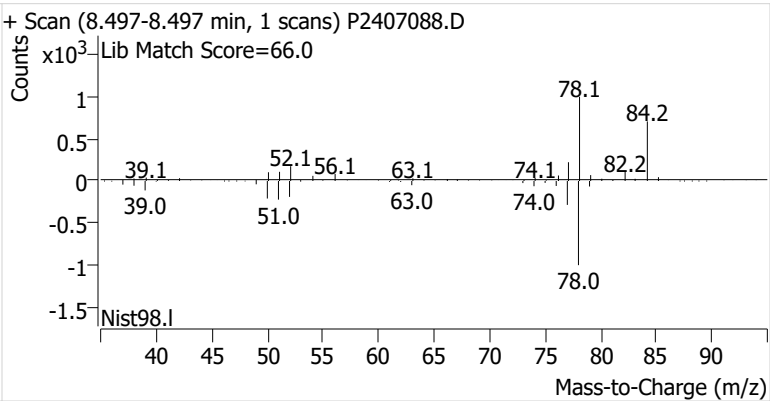
benzene-d6 (IS)



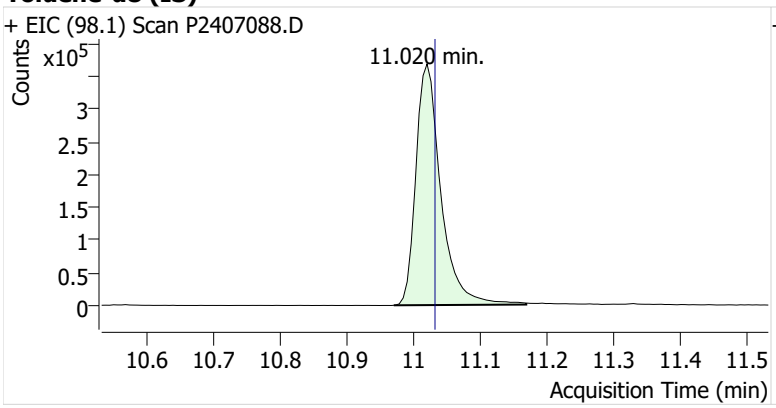


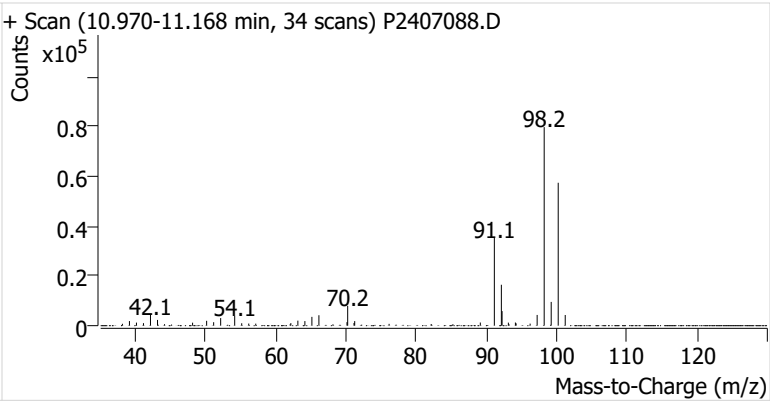
Benzene



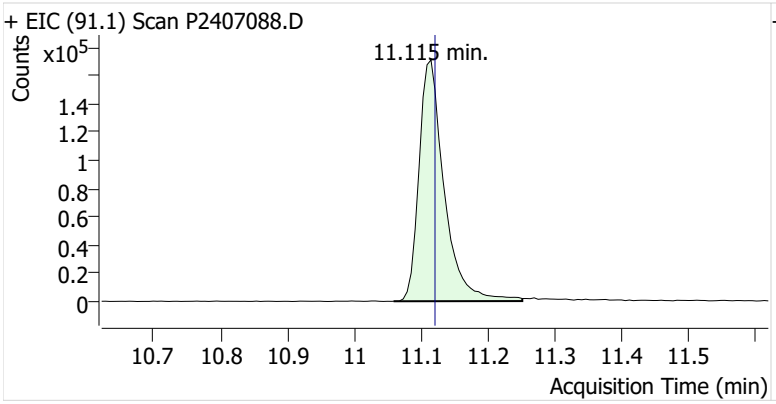


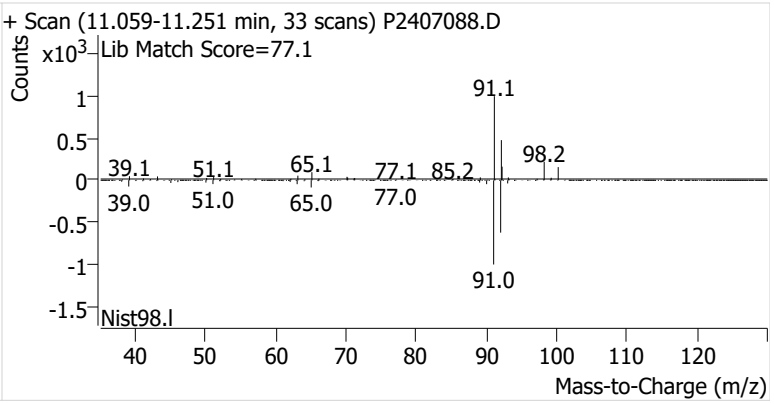
Toluene-d8 (IS)



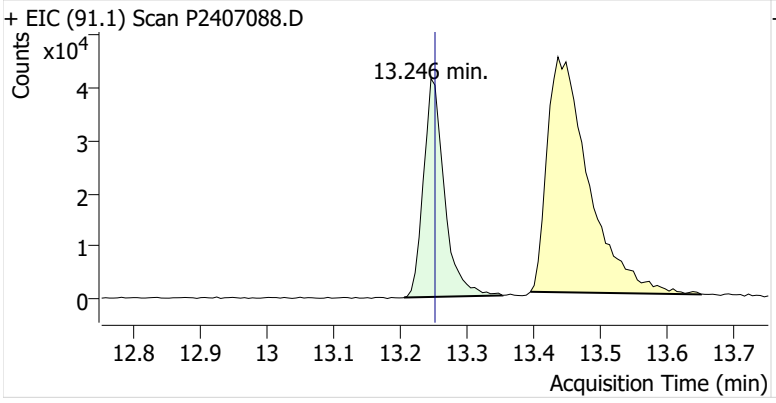


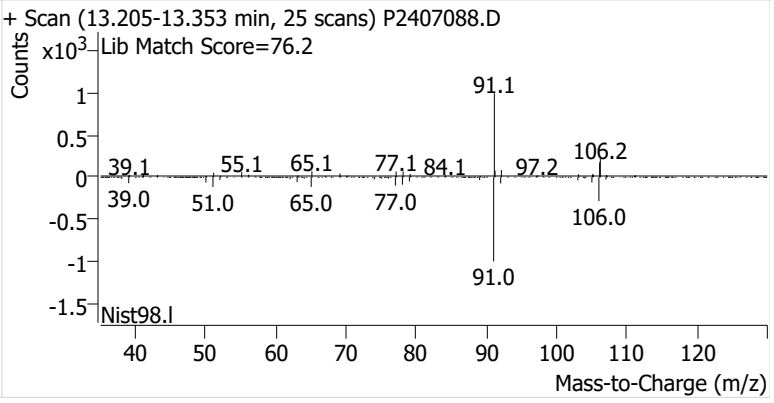
Toluene



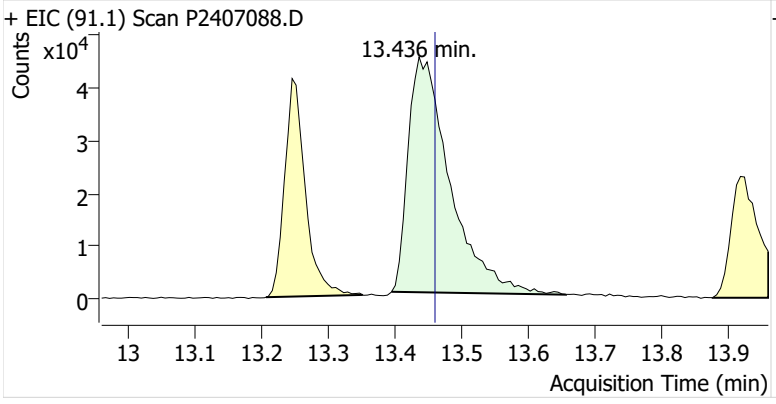


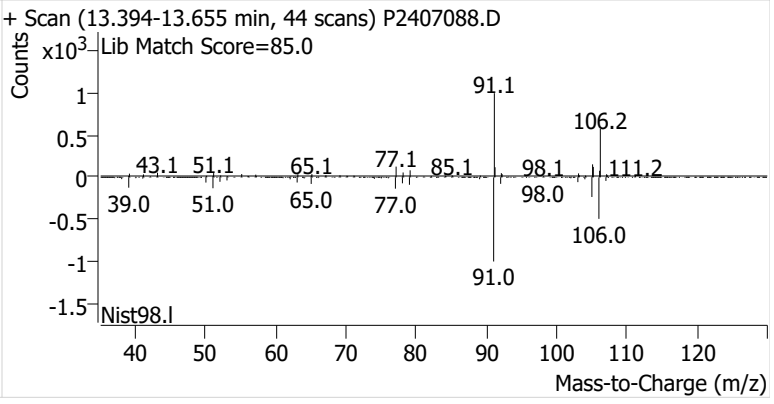
Ethylbenzene



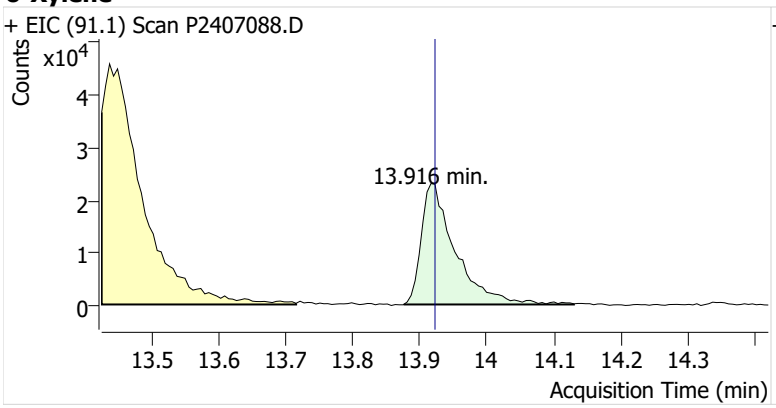


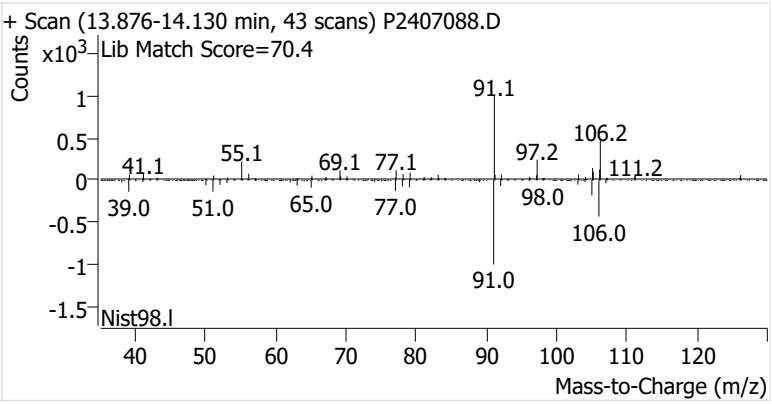
m-/p-Xylenes





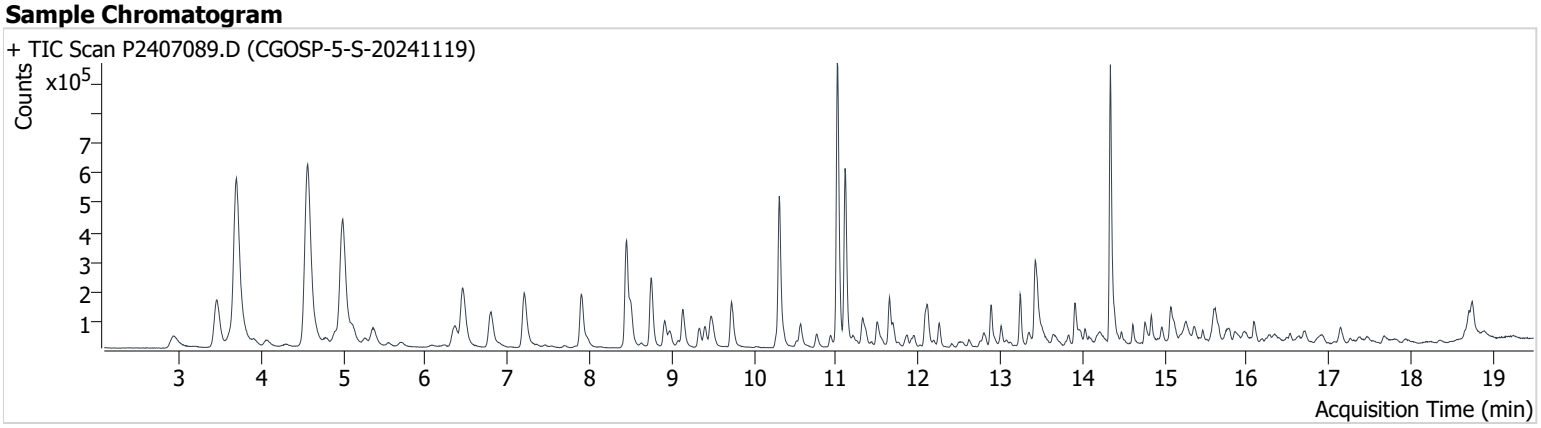
o-Xylene


+ EIC (91.1) Scan P2407088.D
Counts
x10^4
4
3
2
1
0
13.916 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.876-14.130 min, 43 scans) P2407088.D
Counts
x10^3
Lib Match Score=70.4
1
0.5
0
-0.5
-1
-1.5
91.1
106.2
41.1
55.1
69.1
77.1
97.2
111.2
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

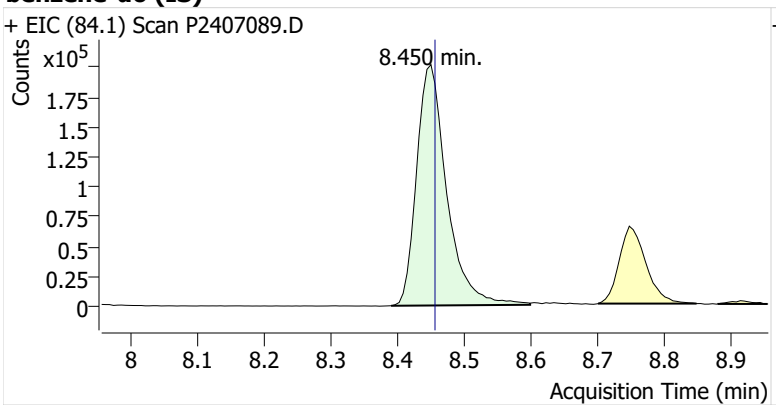
Name	CGOSP-5-S-20241119
Comment	C34122
Data File	P2407089.D
Acq. Date-Time	12/9/2024 7:51:31 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

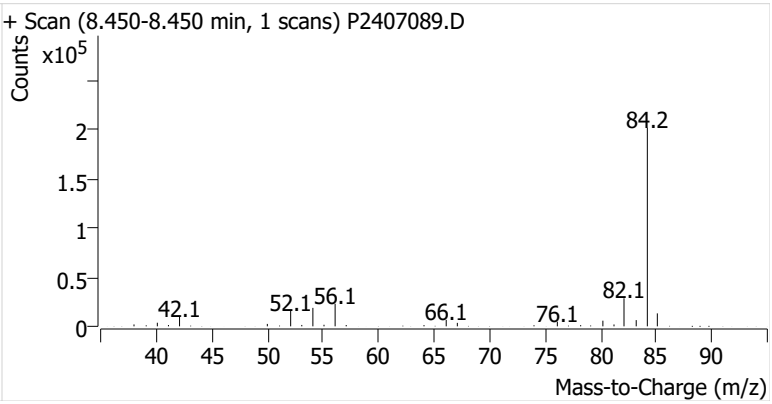
Sample Chromatogram



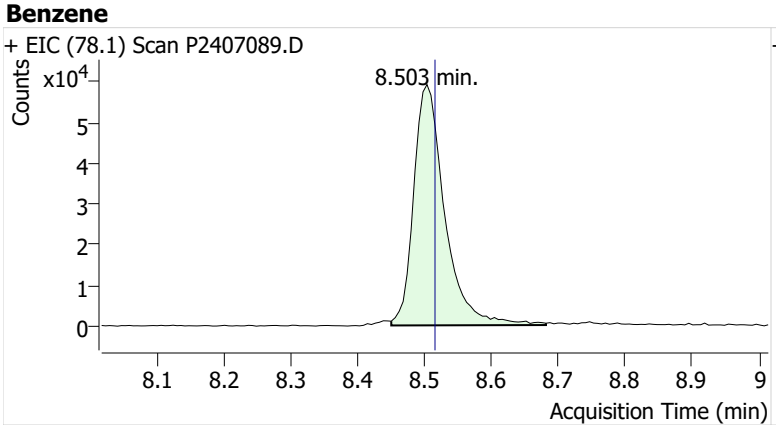
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.450	8.456	630,483	
Benzene	benzene-d6 (IS)	8.503	8.515	191,122	
Toluene-d8 (IS)		11.014	11.032	956,903	
Toluene	Toluene-d8 (IS)	11.109	11.121	633,056	
Ethylbenzene	Toluene-d8 (IS)	13.240	13.252	153,570	
m-/p-Xylenes	Toluene-d8 (IS)	13.424	13.459	359,312	
o-Xylene	Toluene-d8 (IS)	13.910	13.922	138,706	

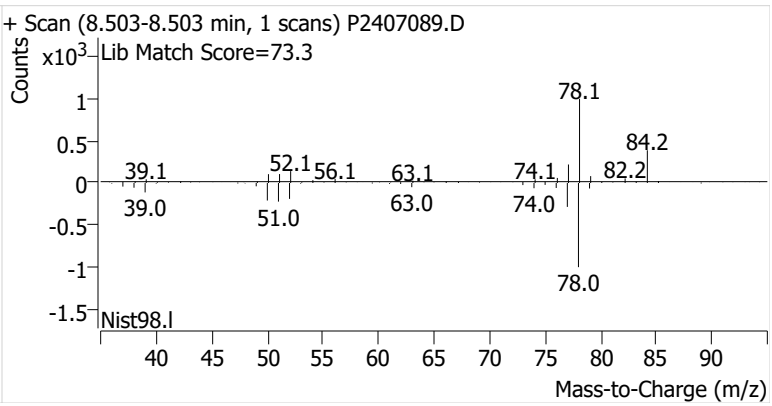
benzene-d6 (IS)



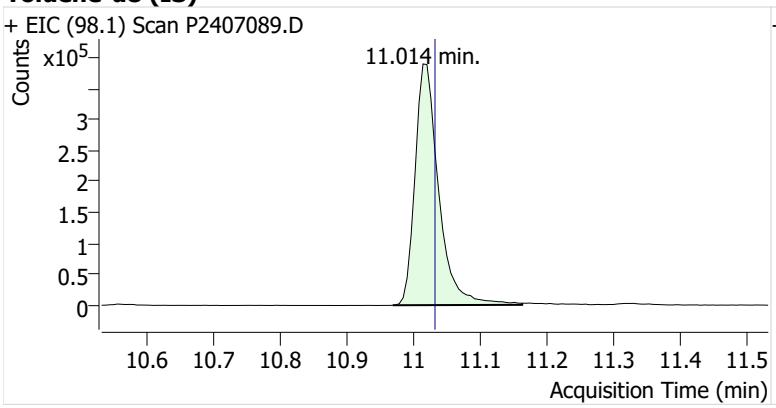


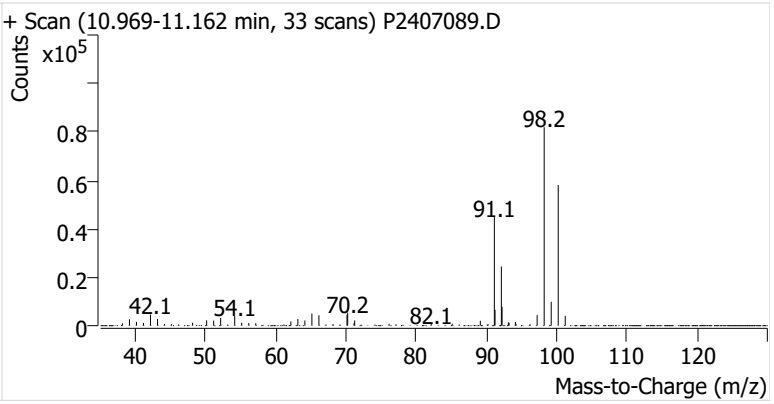
Benzene



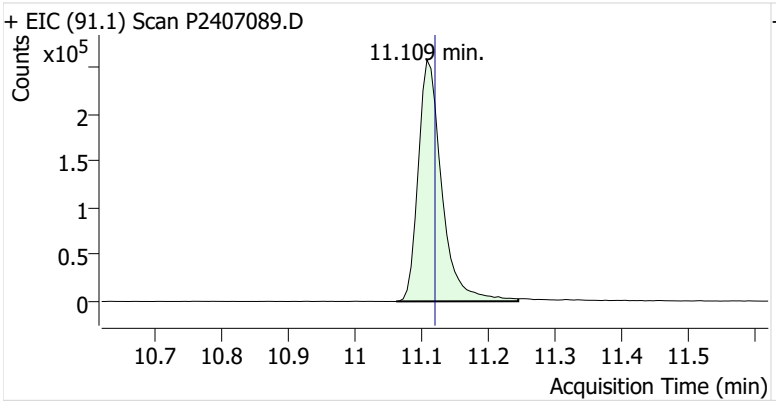


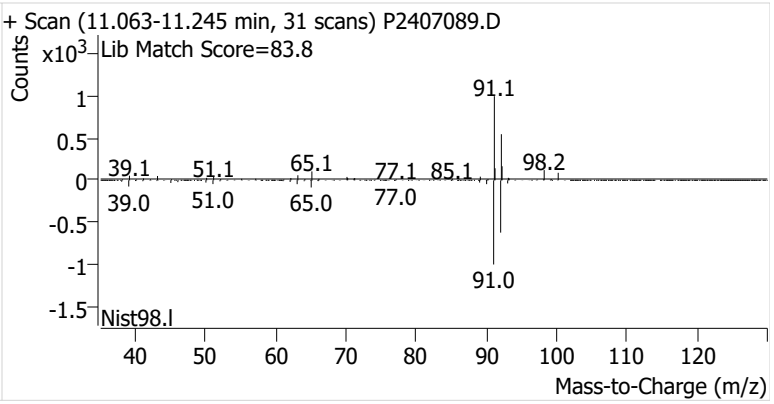
Toluene-d8 (IS)



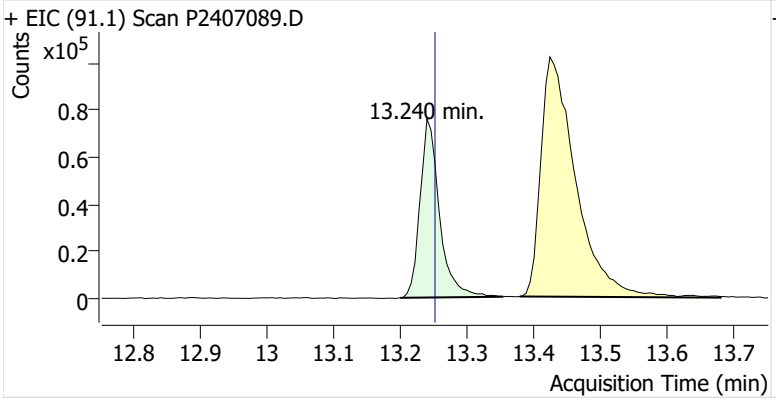


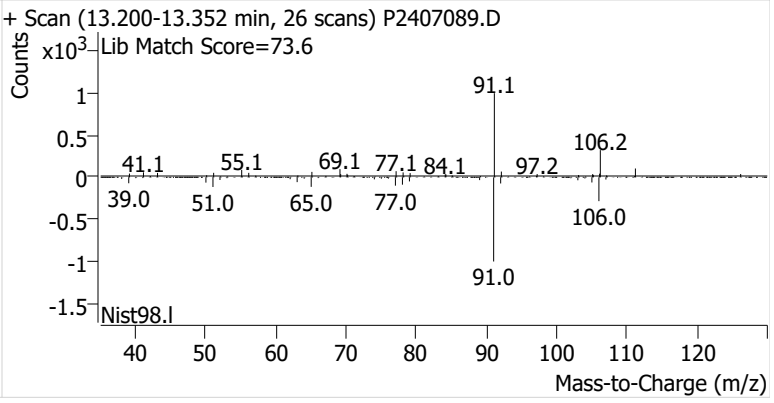
Toluene



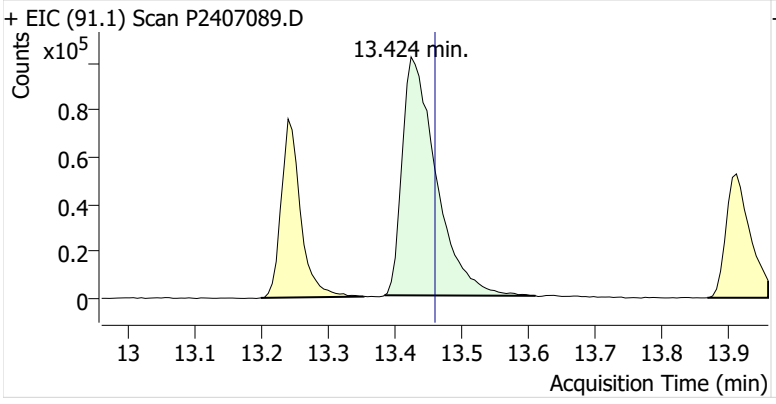


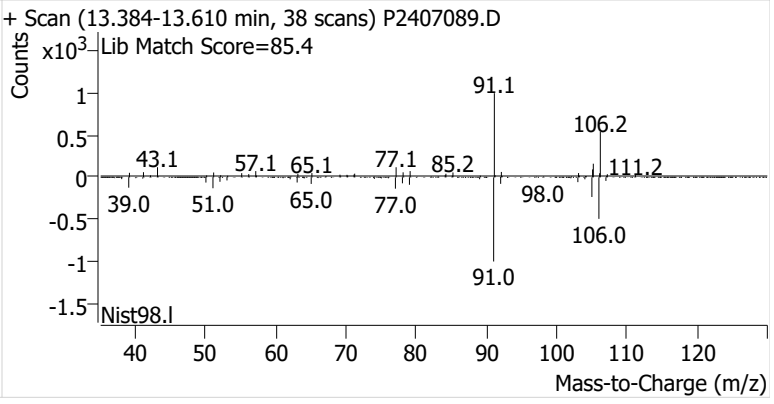
Ethylbenzene



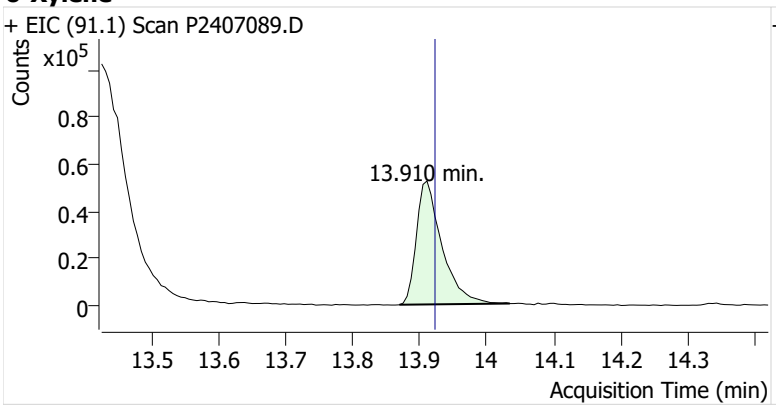


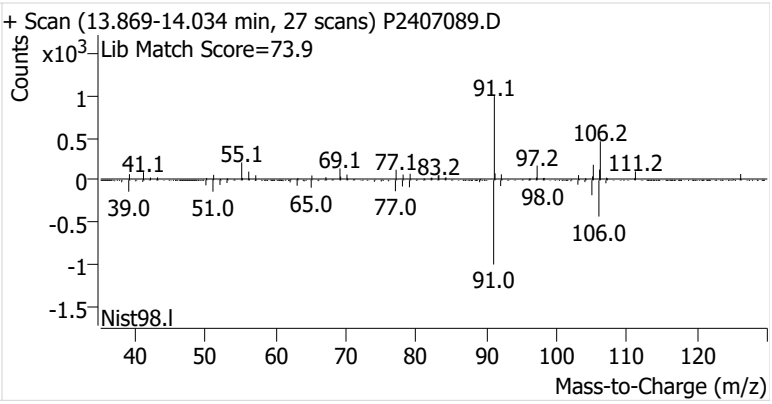
m-/p-Xylenes





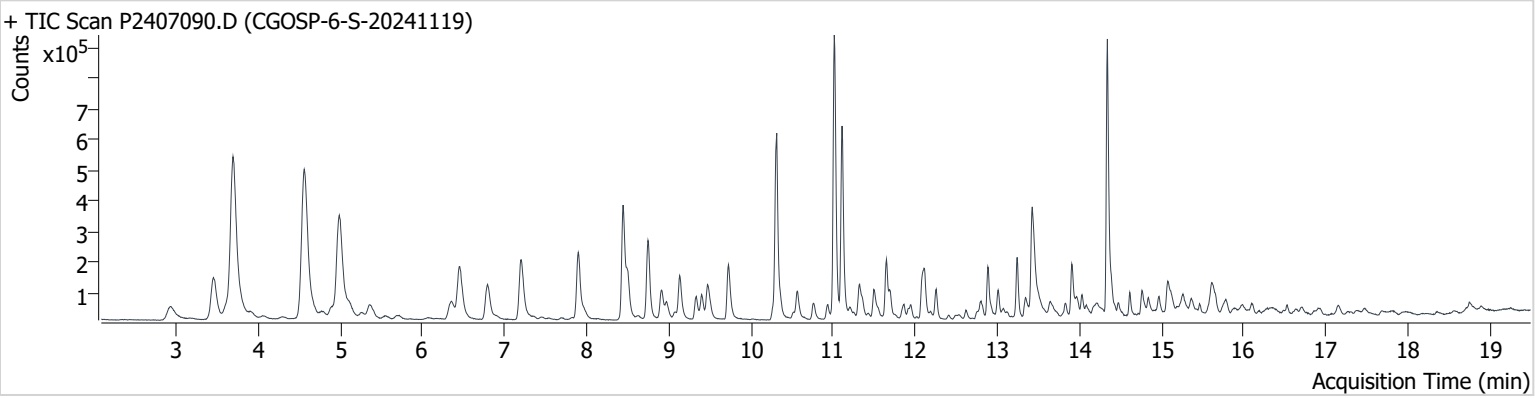
o-Xylene


+ EIC (91.1) Scan P2407089.D
Counts
x10^5
0.8
0.6
0.4
0.2
0
13.910 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.869-14.034 min, 27 scans) P2407089.D
Counts
x10^3
Lib Match Score=73.9
1
0.5
0
-0.5
-1
-1.5
91.1
106.2
41.1
55.1
69.1
77.1
83.2
97.2
111.2
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

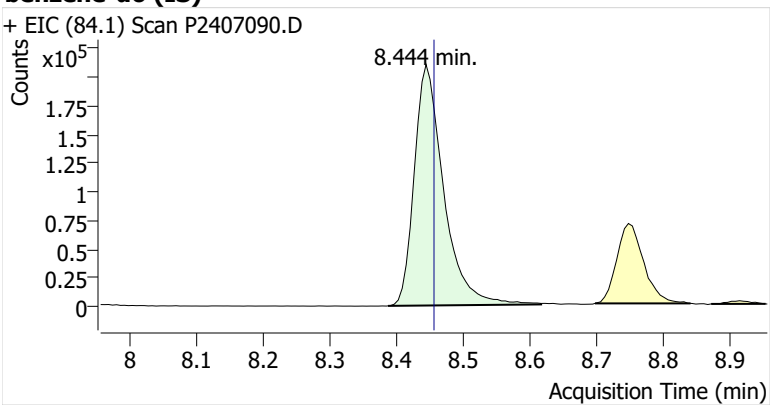
Name	CGOSP-6-S-20241119
Comment	C38947
Data File	P2407090.D
Acq. Date-Time	12/9/2024 8:28:45 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

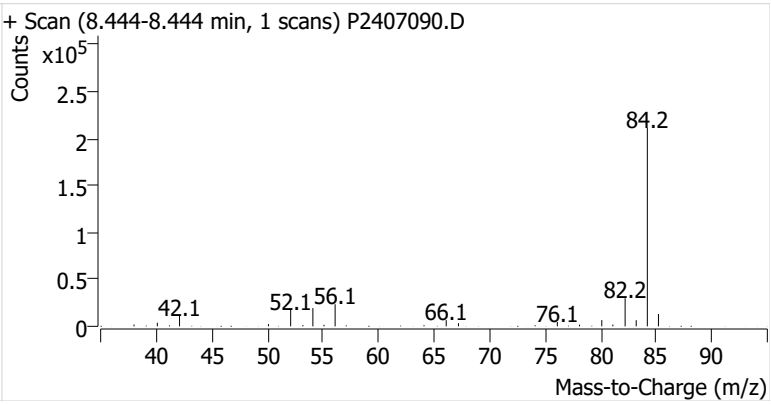
Sample Chromatogram



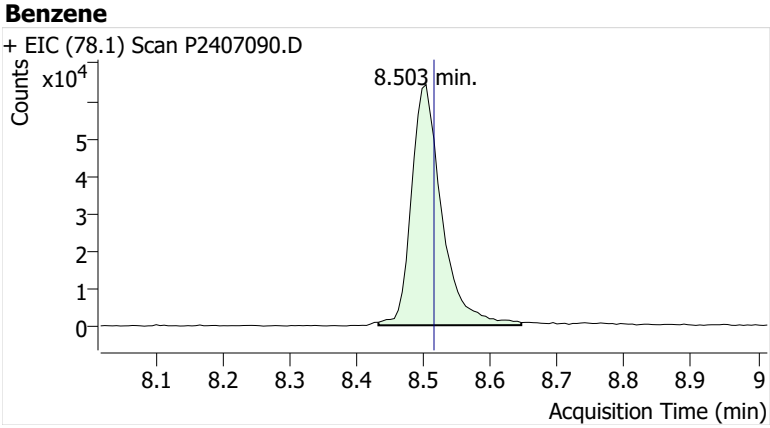
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.444	8.456	642,458	
Benzene	benzene-d6 (IS)	8.503	8.515	202,528	
Toluene-d8 (IS)		11.014	11.032	925,451	
Toluene	Toluene-d8 (IS)	11.109	11.121	643,059	
Ethylbenzene	Toluene-d8 (IS)	13.240	13.252	174,845	
m-/p-Xylenes	Toluene-d8 (IS)	13.424	13.459	445,570	
o-Xylene	Toluene-d8 (IS)	13.905	13.922	165,596	

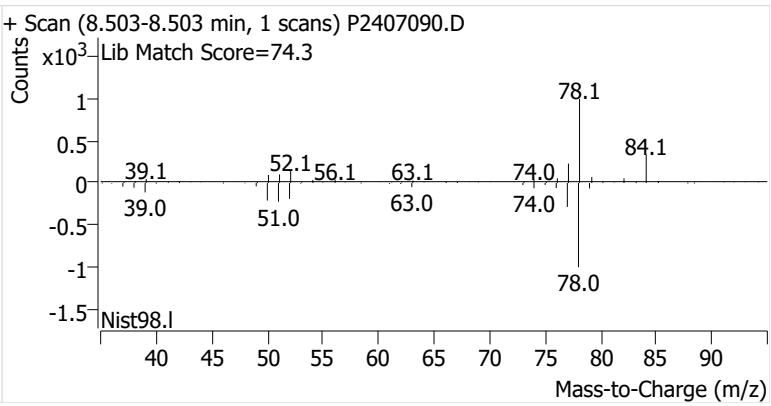
benzene-d6 (IS)



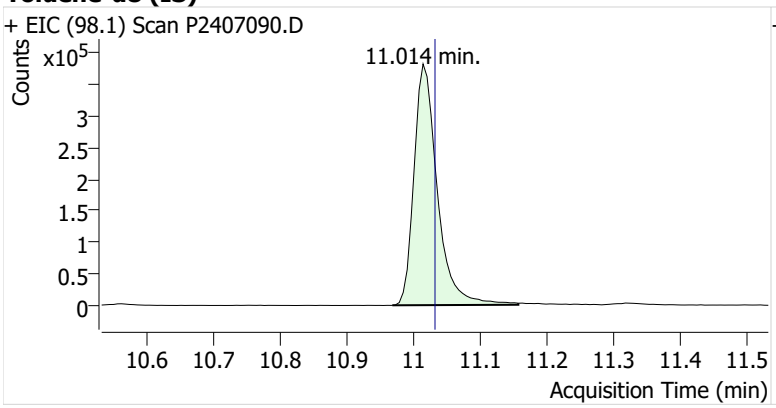


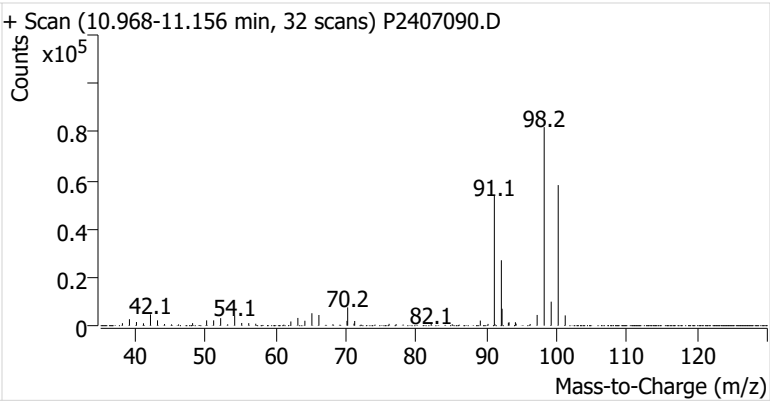
Benzene



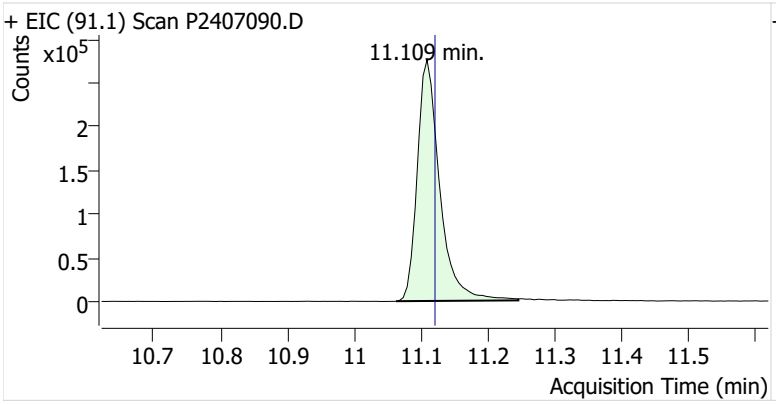


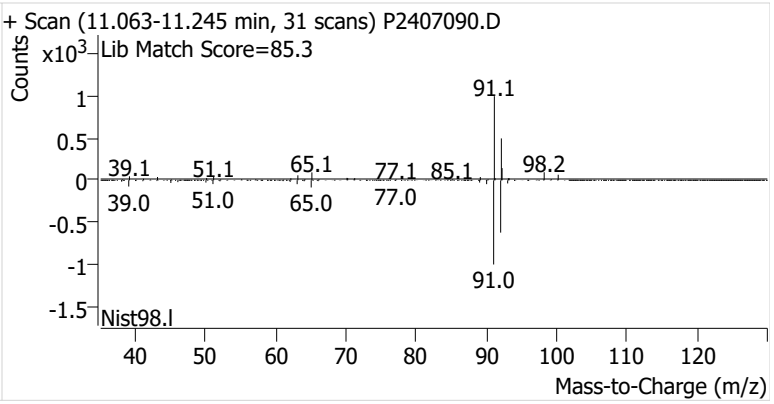
Toluene-d8 (IS)



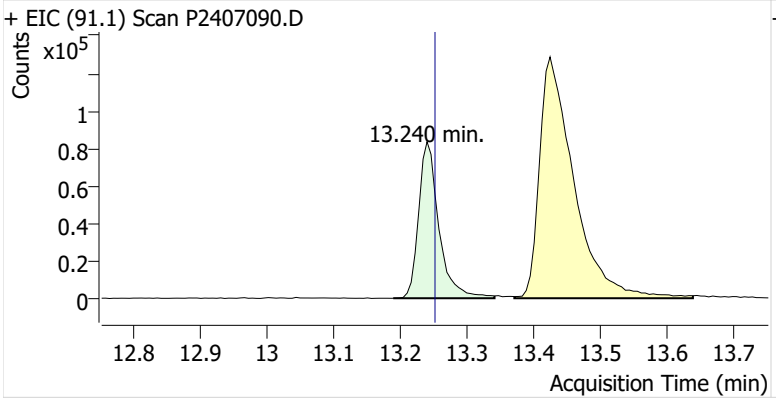


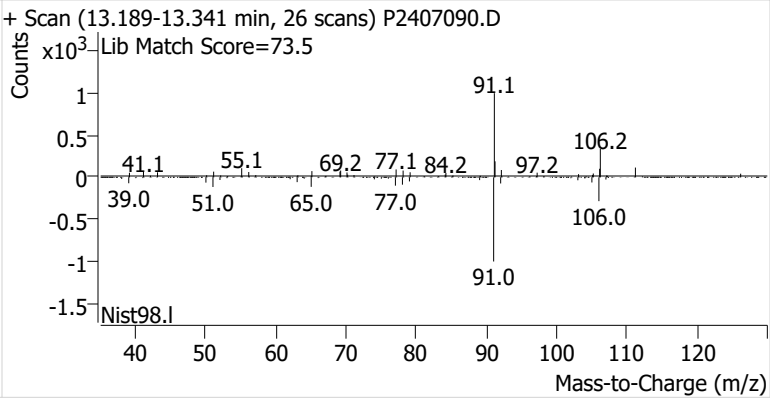
Toluene



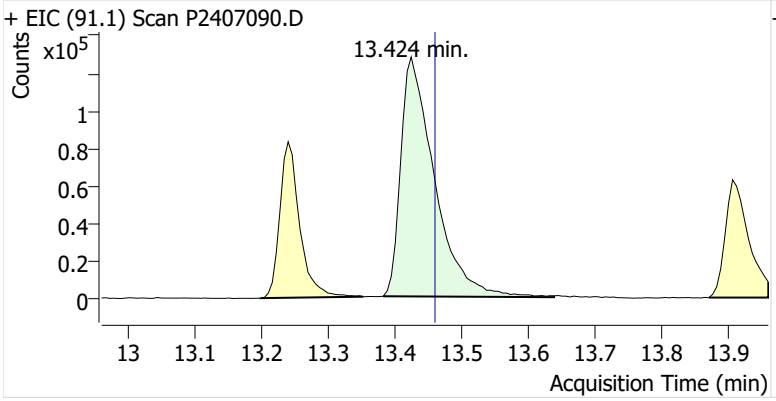


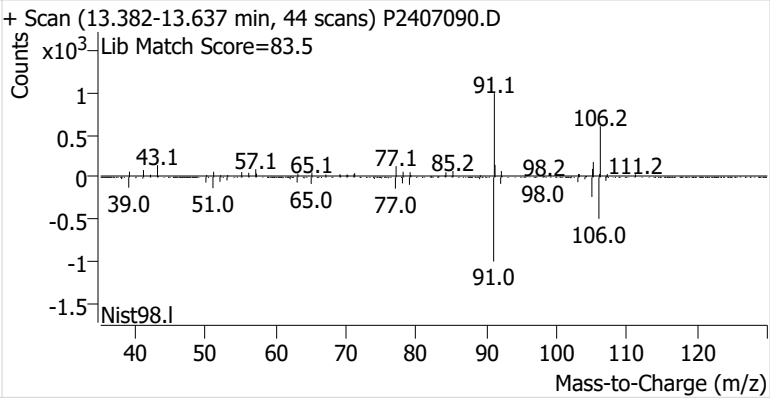
Ethylbenzene



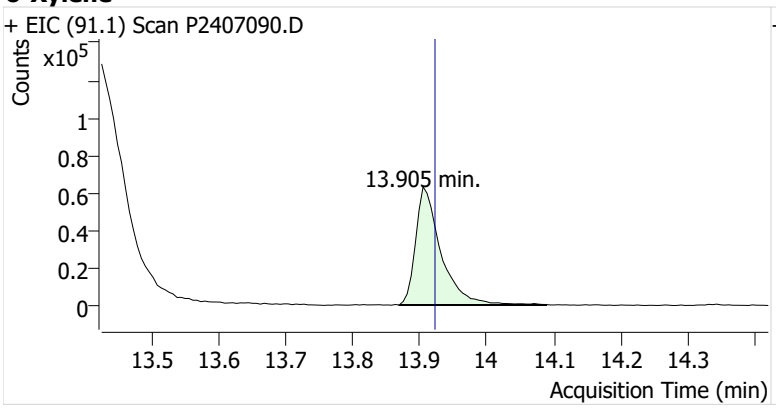


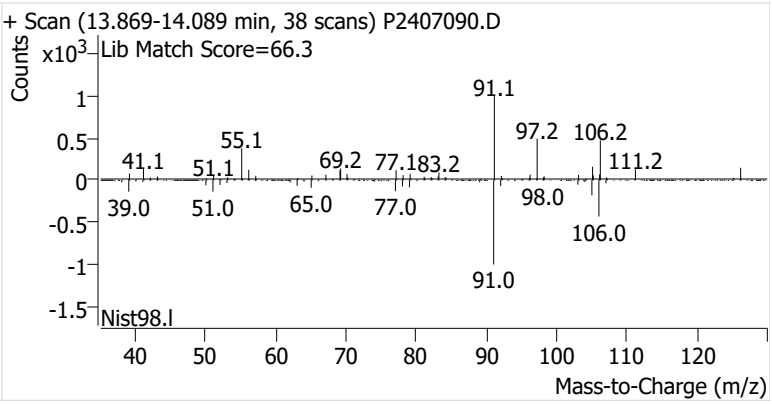
m-/p-Xylenes





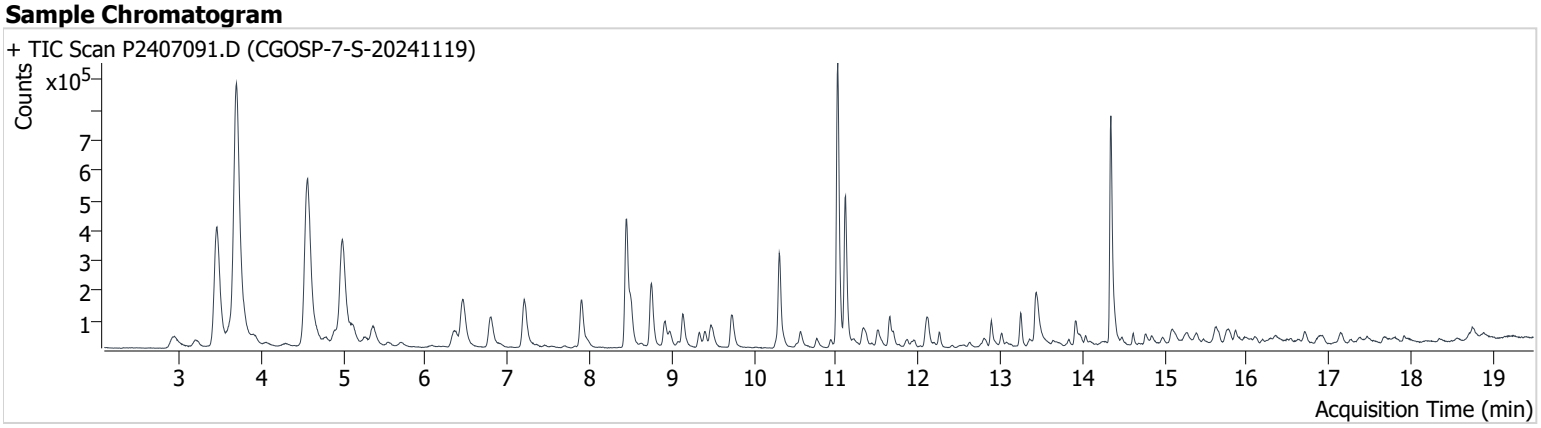
o-Xylene


+ EIC (91.1) Scan P2407090.D
Counts
x10^5
1
0.8
0.6
0.4
0.2
0
13.905 min.
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3
Acquisition Time (min)


+ Scan (13.869-14.089 min, 38 scans) P2407090.D
Lib Match Score=66.3
Counts
x10^3
1
0.5
0
-0.5
-1
-1.5
91.1
97.2
106.2
111.2
55.1
41.1
51.1
69.2
77.1
83.2
98.0
39.0
51.0
65.0
77.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

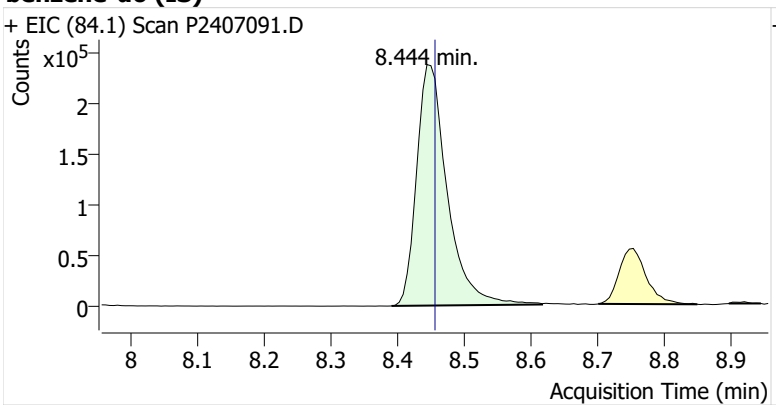
Name	CGOSP-7-S-20241119
Comment	C39266
Data File	P2407091.D
Acq. Date-Time	12/9/2024 9:06:00 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

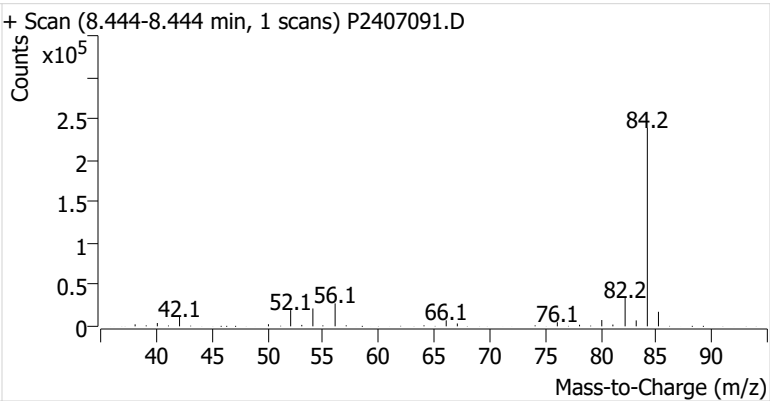
Sample Chromatogram



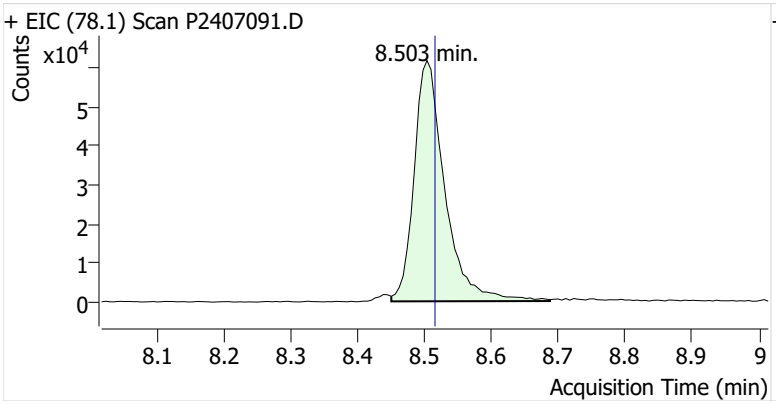
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.444	8.456	758,812	
Benzene	benzene-d6 (IS)	8.503	8.515	196,724	
Toluene-d8 (IS)		11.020	11.032	962,898	
Toluene	Toluene-d8 (IS)	11.115	11.121	540,040	
Ethylbenzene	Toluene-d8 (IS)	13.246	13.252	103,449	
m-/p-Xylenes	Toluene-d8 (IS)	13.436	13.459	254,182	
o-Xylene	Toluene-d8 (IS)	13.916	13.922	95,753	

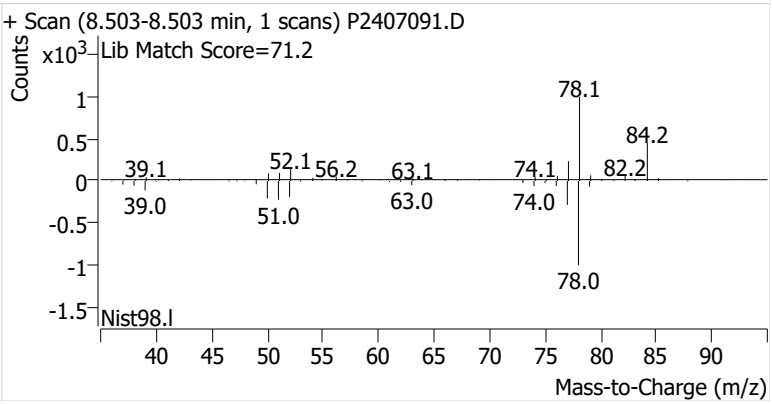
benzene-d6 (IS)



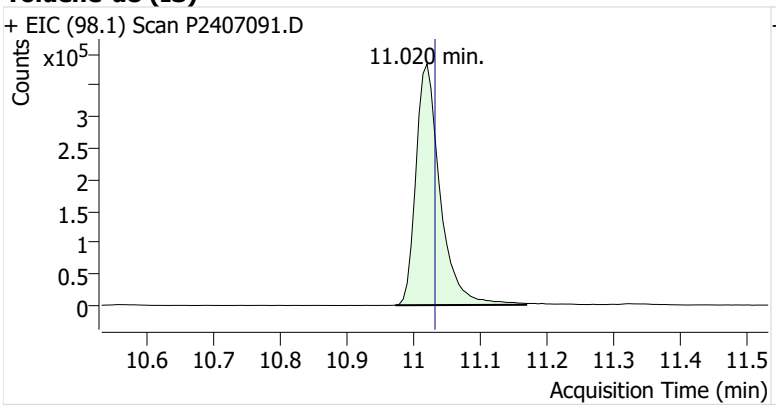


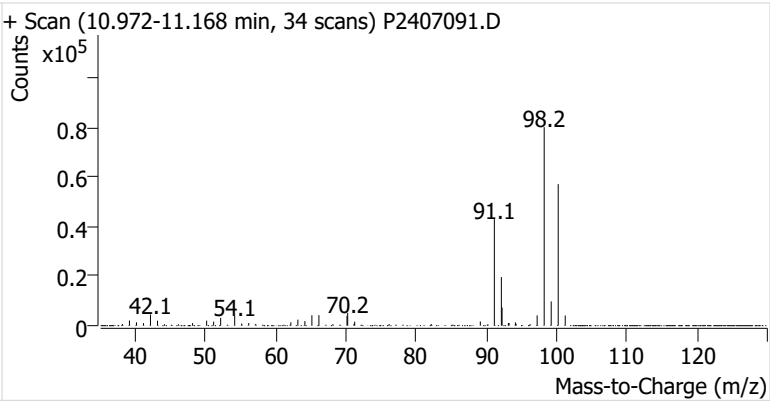
Benzene



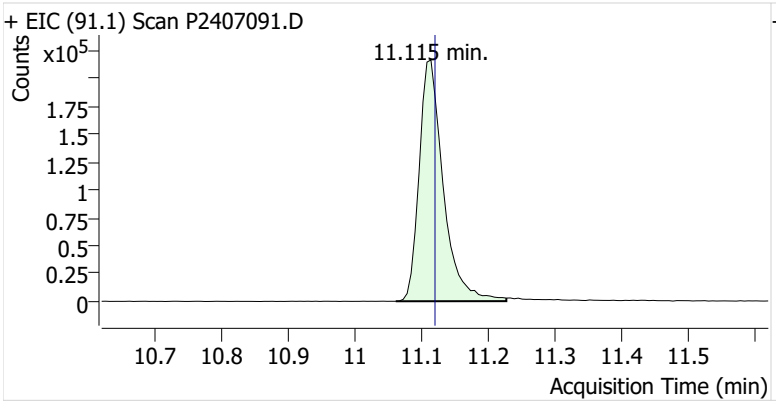


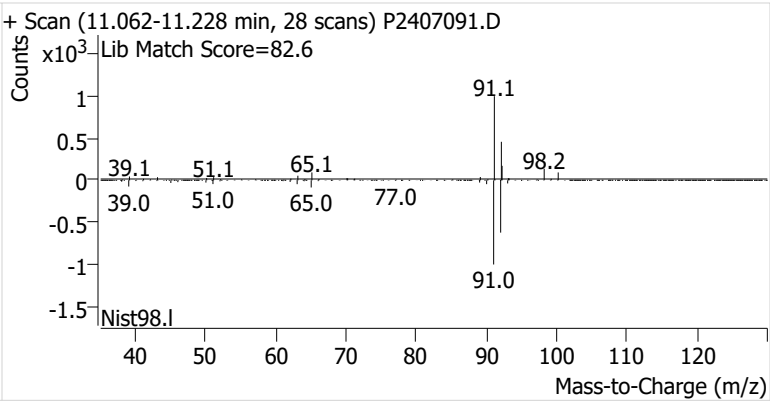
Toluene-d8 (IS)



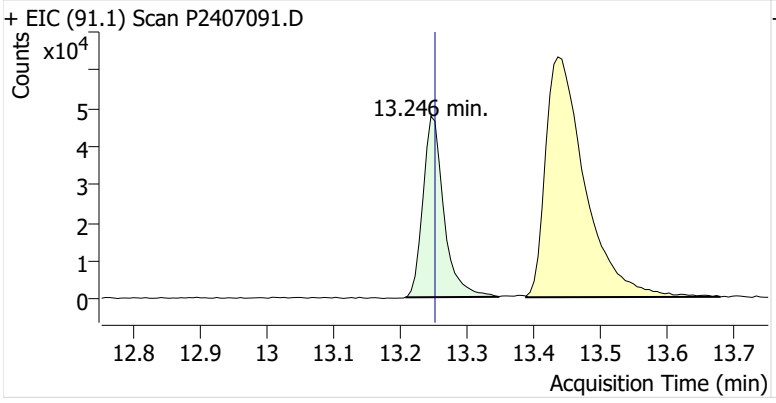


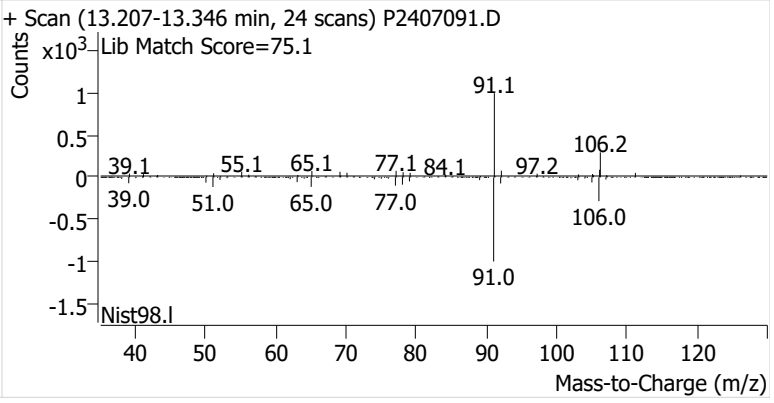
Toluene



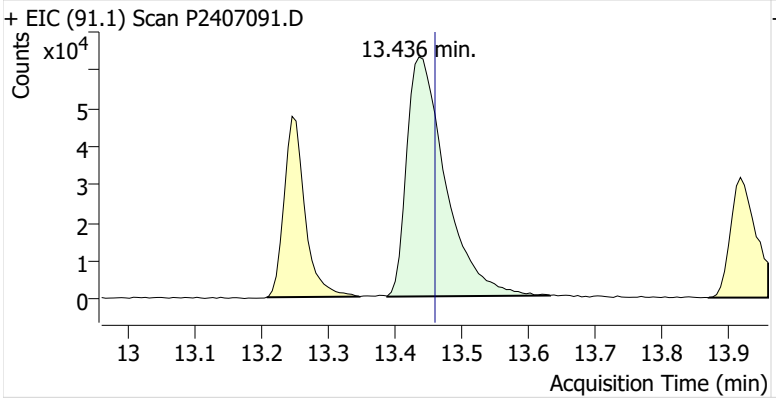


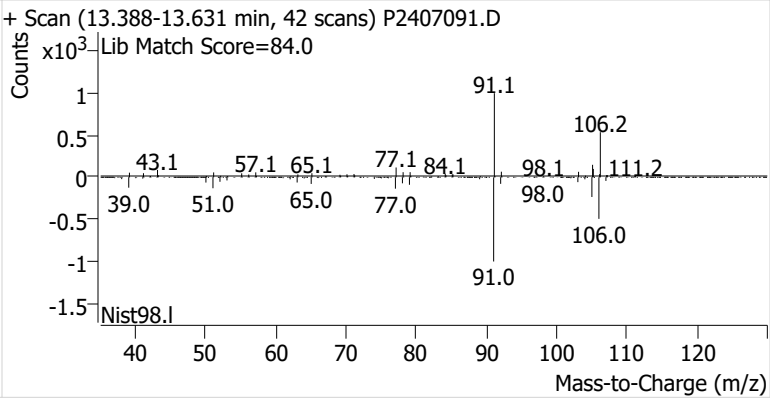
Ethylbenzene



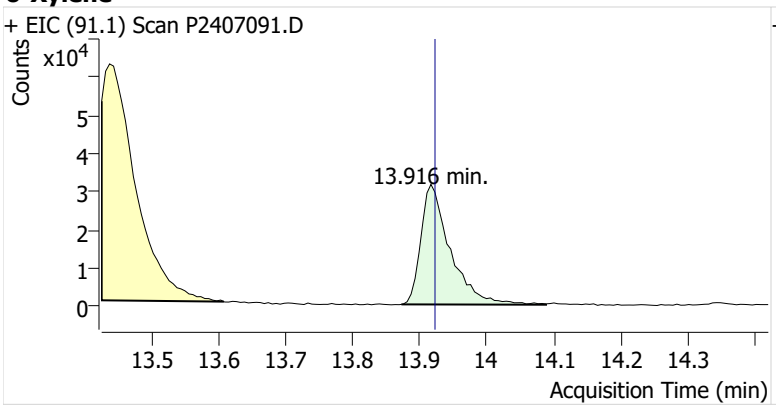


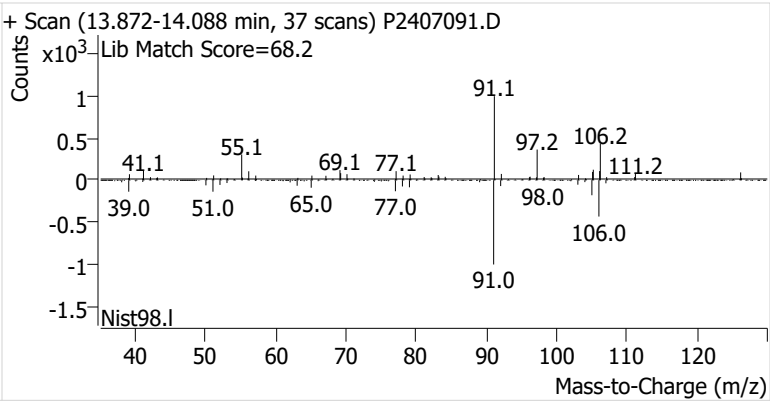
m-/p-Xylenes





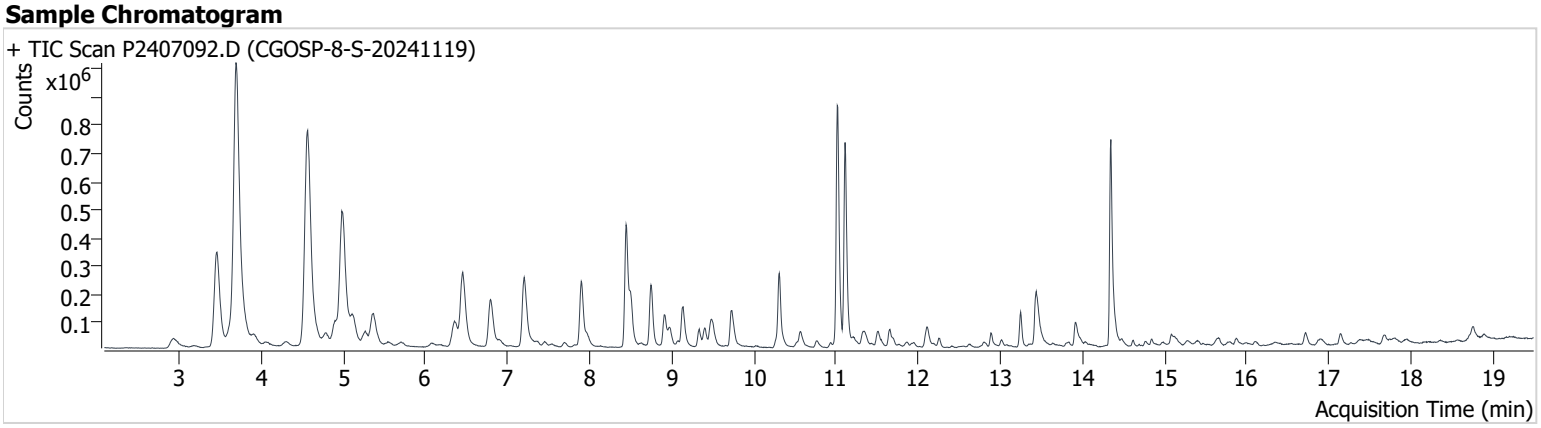
o-Xylene


+ EIC (91.1) Scan P2407091.D
Counts
x10^4
5
4
3
2
1
0
13.916 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.872-14.088 min, 37 scans) P2407091.D
Lib Match Score=68.2
Counts
x10^3
1
0.5
0
-0.5
-1
-1.5
91.1
97.2
106.2
111.2
41.1
55.1
69.1
77.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

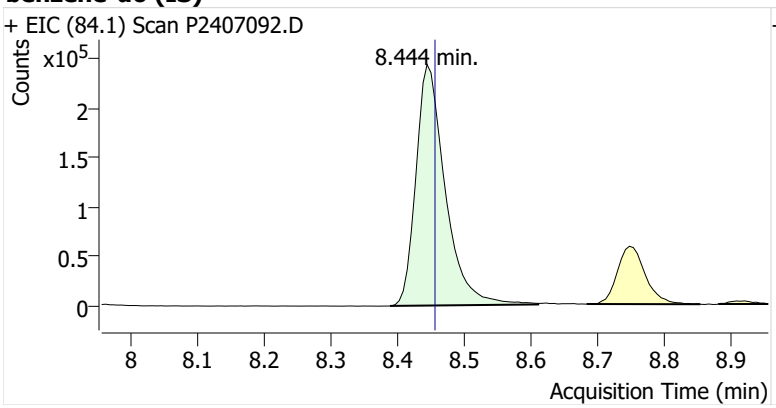
Name	CGOSP-8-S-20241119
Comment	C01530
Data File	P2407092.D
Acq. Date-Time	12/9/2024 9:43:13 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

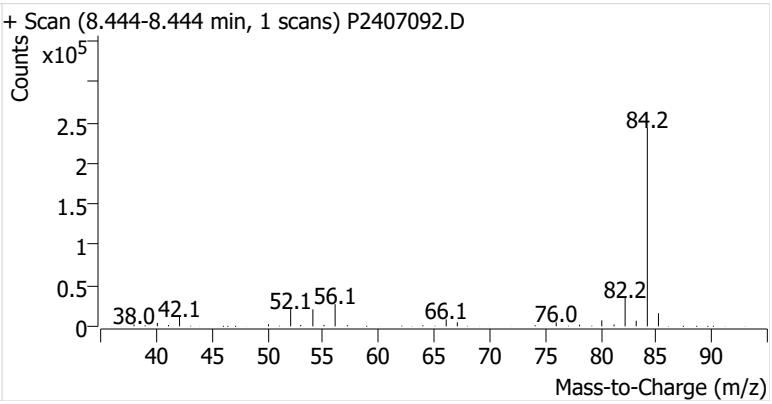
Sample Chromatogram



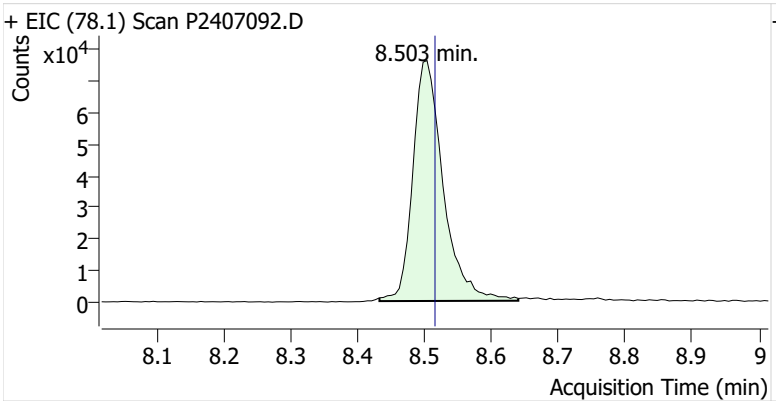
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.444	8.456	737,708	
Benzene	benzene-d6 (IS)	8.503	8.515	240,818	
Toluene-d8 (IS)		11.014	11.032	898,751	
Toluene	Toluene-d8 (IS)	11.109	11.121	780,026	
Ethylbenzene	Toluene-d8 (IS)	13.246	13.252	123,213	
m-/p-Xylenes	Toluene-d8 (IS)	13.436	13.459	290,117	
o-Xylene	Toluene-d8 (IS)	13.916	13.922	110,329	

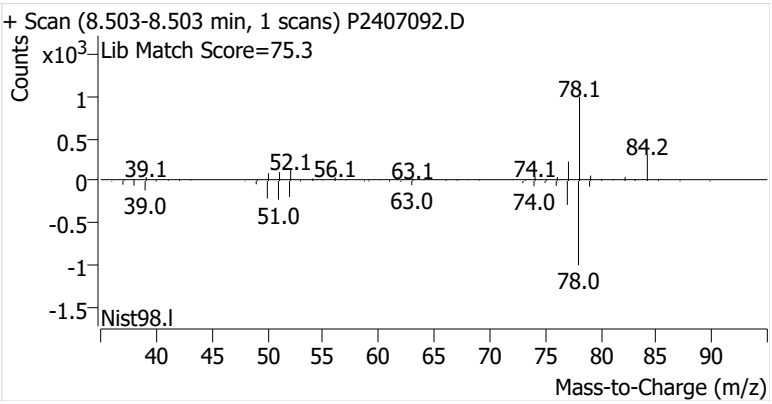
benzene-d6 (IS)



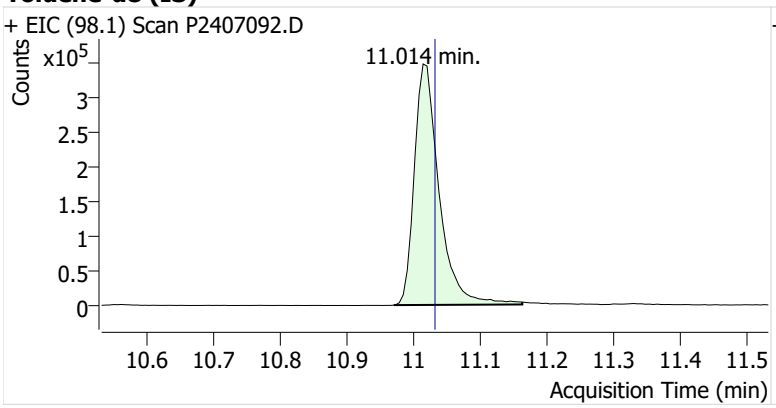


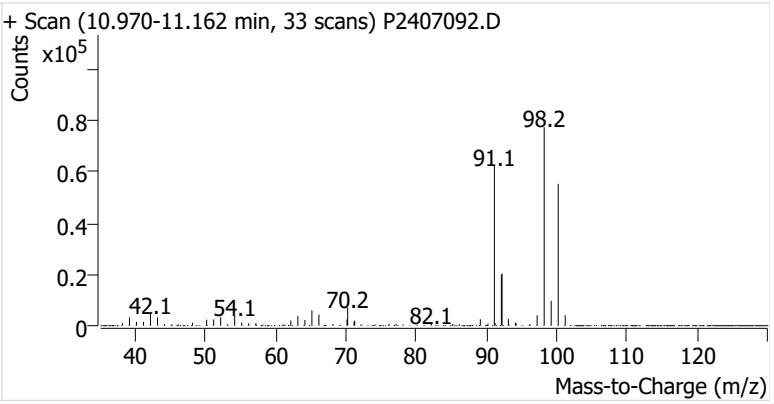
Benzene



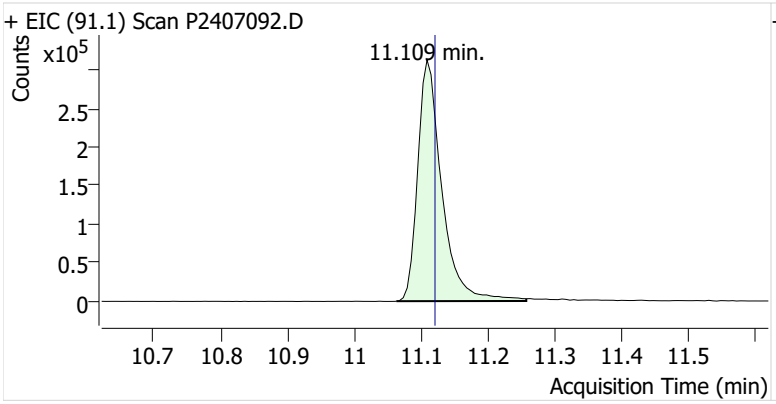


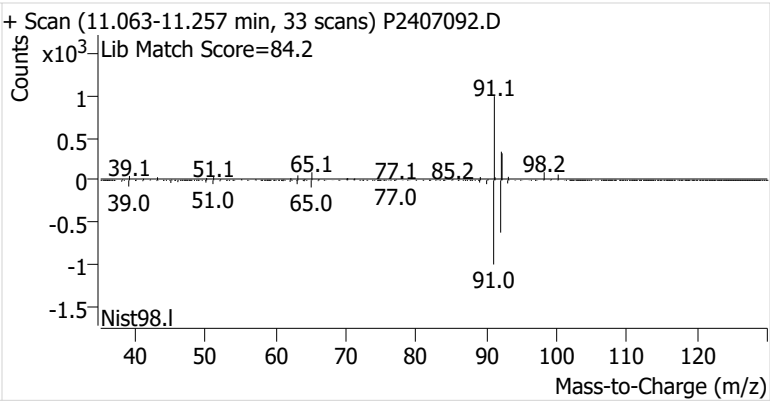
Toluene-d8 (IS)



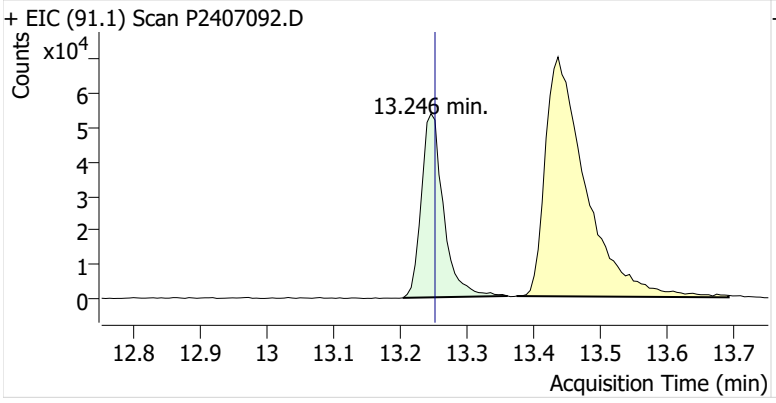


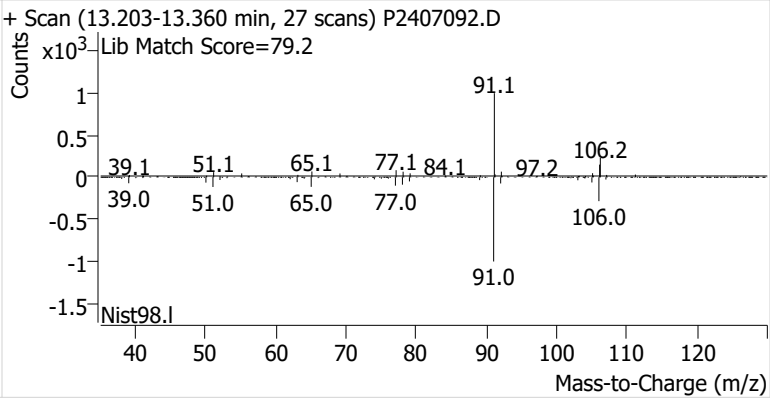
Toluene



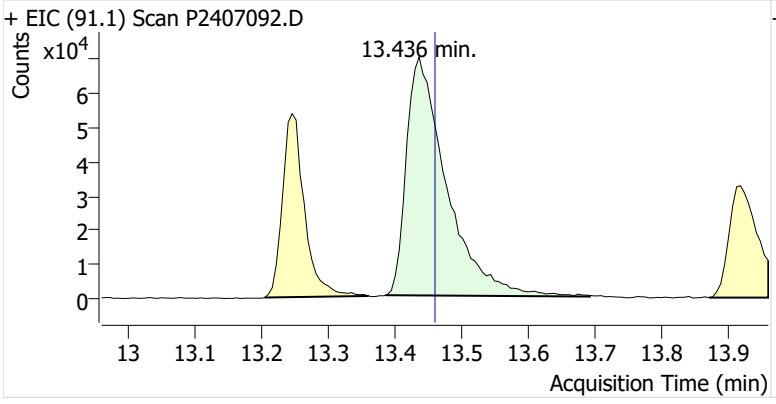


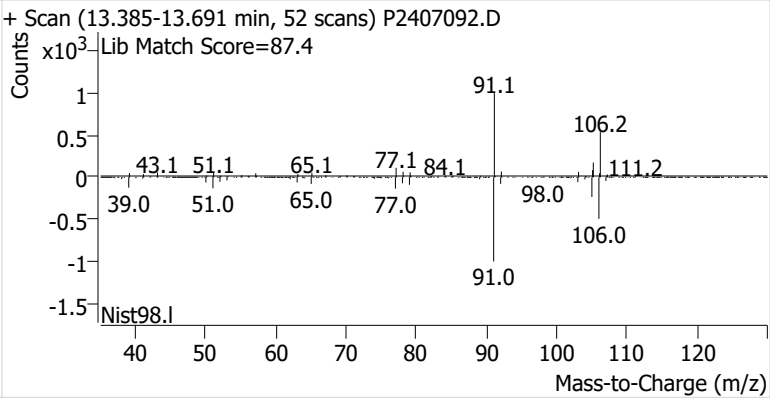
Ethylbenzene



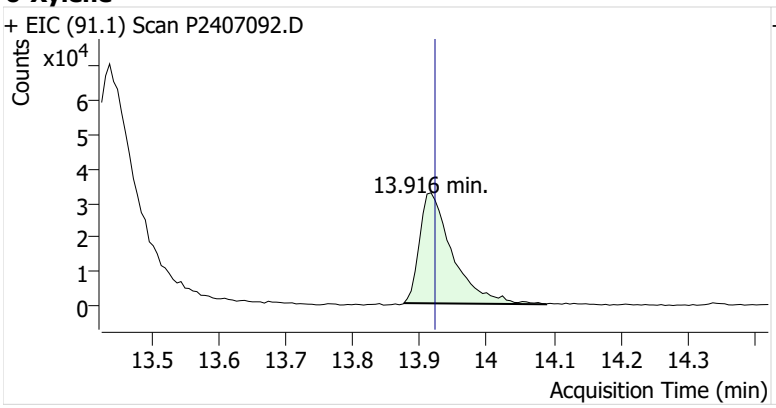


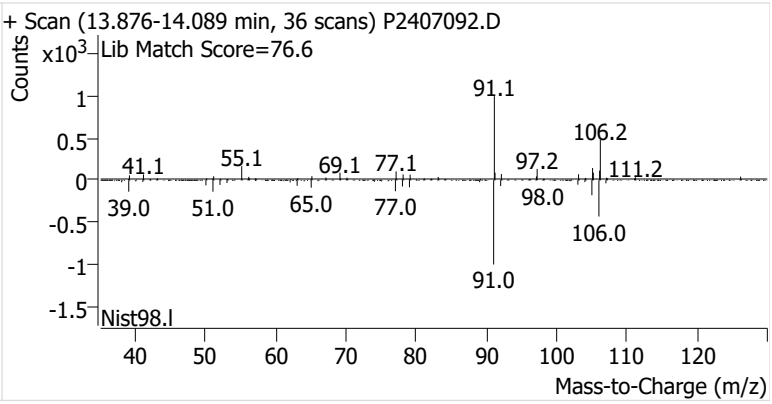
m-/p-Xylenes





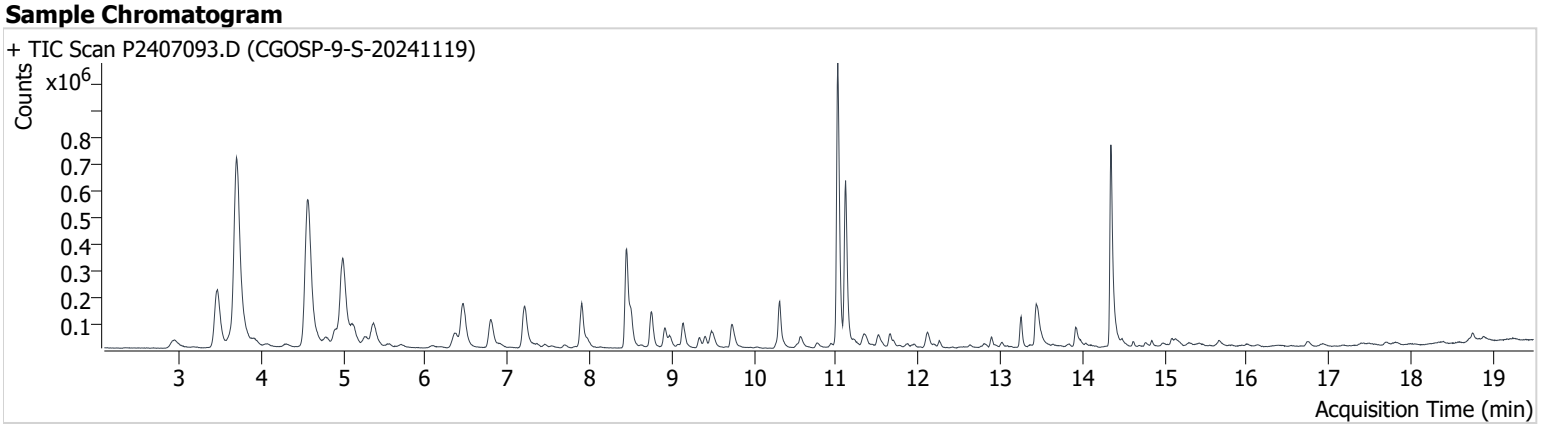
o-Xylene


+ EIC (91.1) Scan P2407092.D
Counts
x10^4
6
5
4
3
2
1
0
13.916 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.876-14.089 min, 36 scans) P2407092.D
Counts
x10^3
Lib Match Score=76.6
1
0.5
0
-0.5
-1
-1.5
91.1
106.2
41.1
55.1
69.1
77.1
97.2
111.2
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

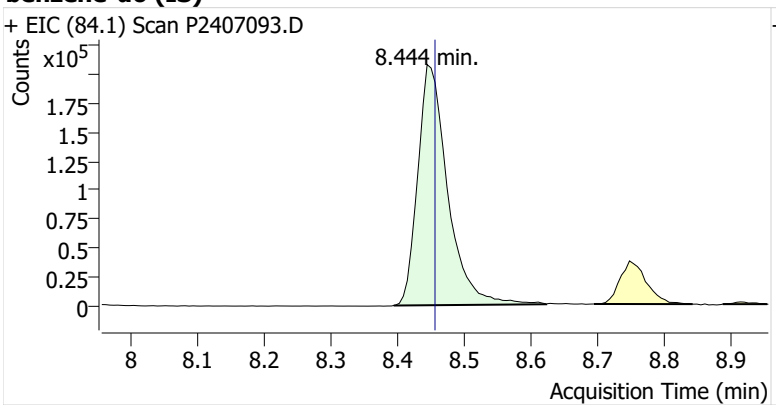
Name	CGOSP-9-S-20241119
Comment	B16930
Data File	P2407093.D
Acq. Date-Time	12/9/2024 10:20:27 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

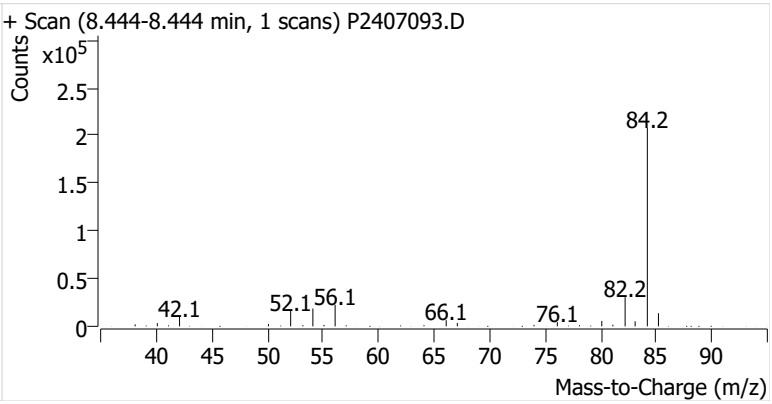
Sample Chromatogram



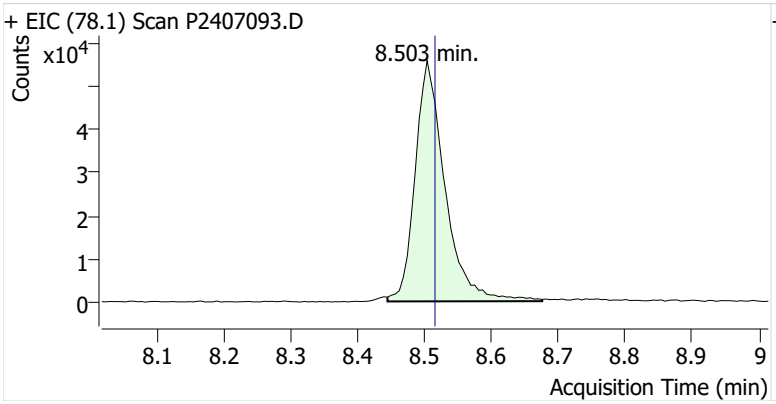
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.444	8.456	644,292	
Benzene	benzene-d6 (IS)	8.503	8.515	172,526	
Toluene-d8 (IS)		11.020	11.032	1,105,040	
Toluene	Toluene-d8 (IS)	11.115	11.121	687,875	
Ethylbenzene	Toluene-d8 (IS)	13.252	13.252	113,228	
m-/p-Xylenes	Toluene-d8 (IS)	13.436	13.459	253,152	
o-Xylene	Toluene-d8 (IS)	13.917	13.922	93,230	

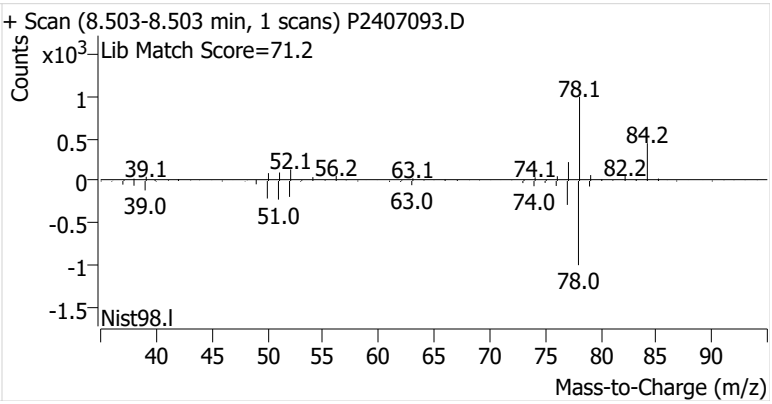
benzene-d6 (IS)



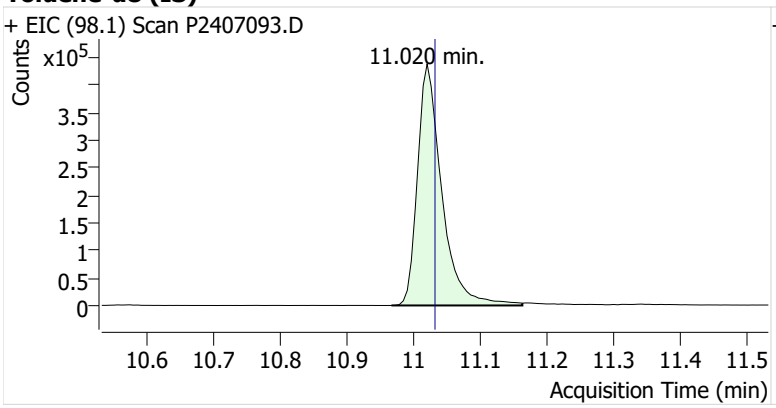


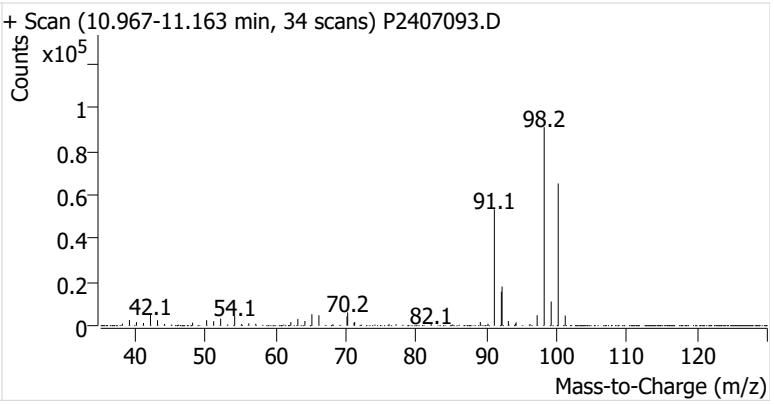
Benzene



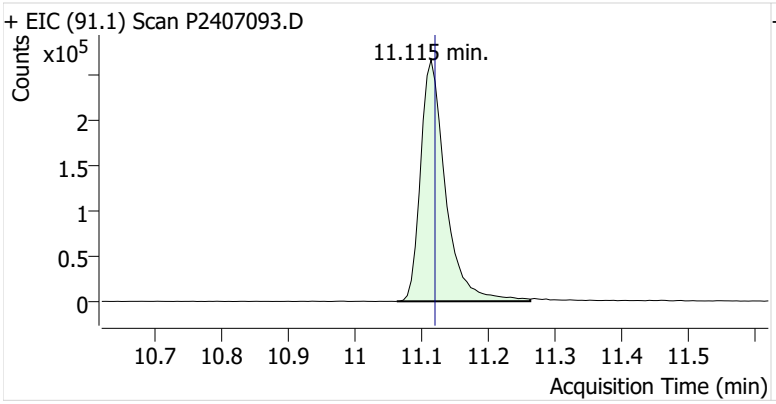


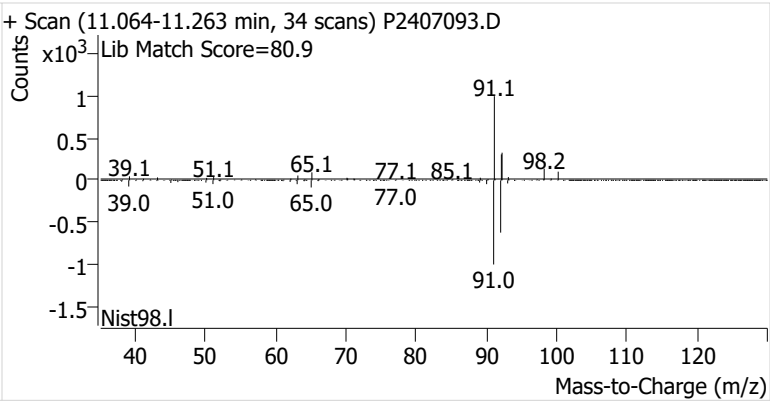
Toluene-d8 (IS)



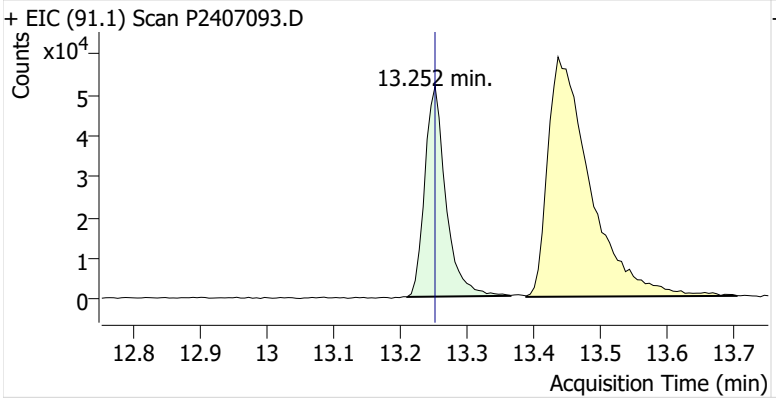


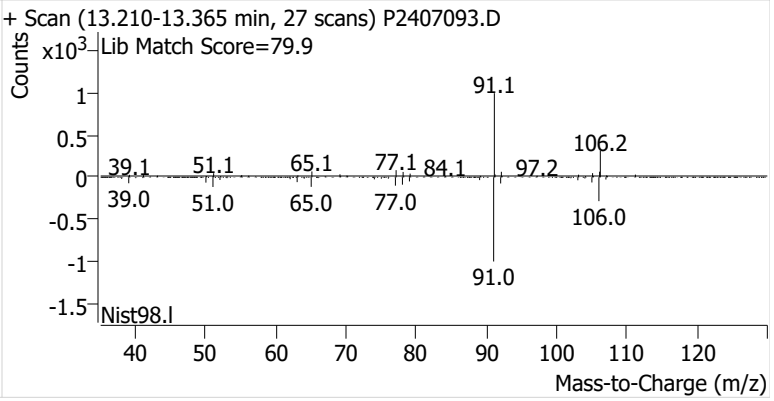
Toluene



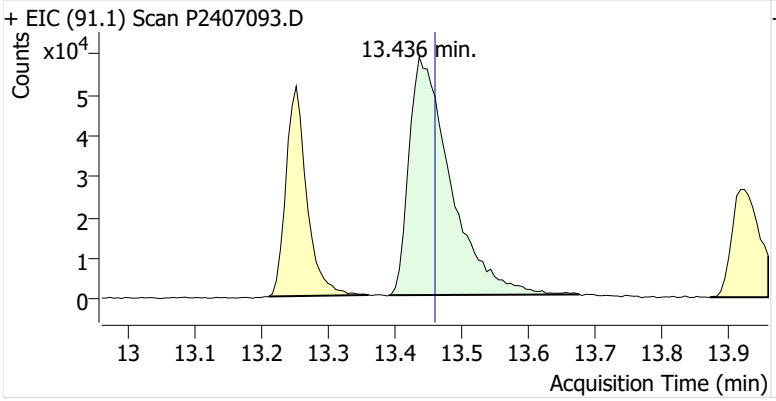


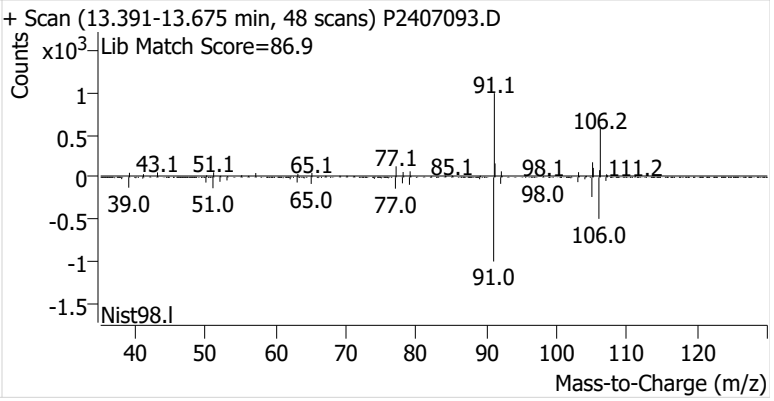
Ethylbenzene



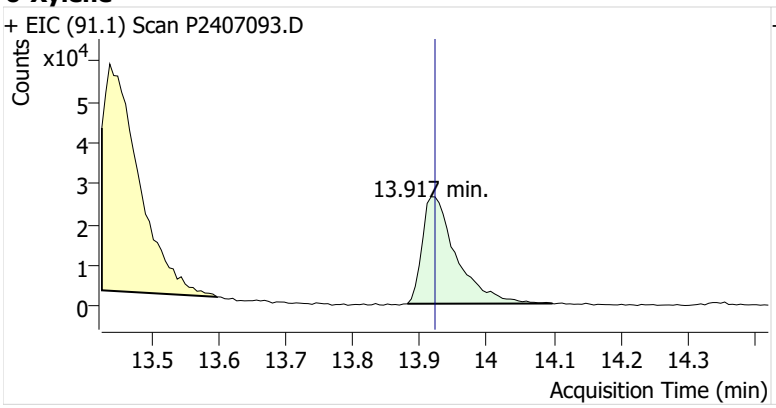


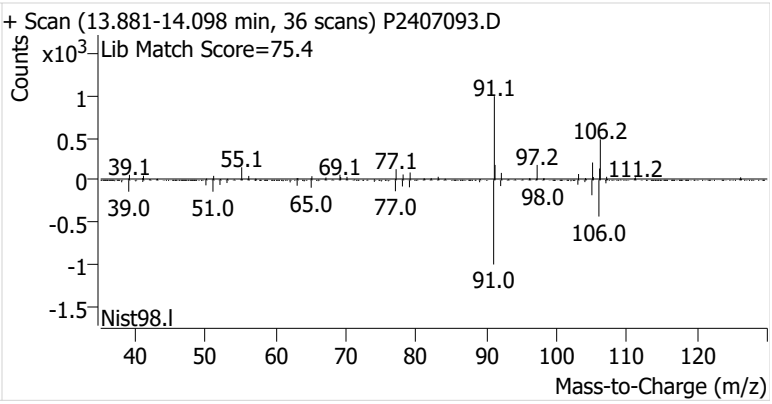
m-/p-Xylenes





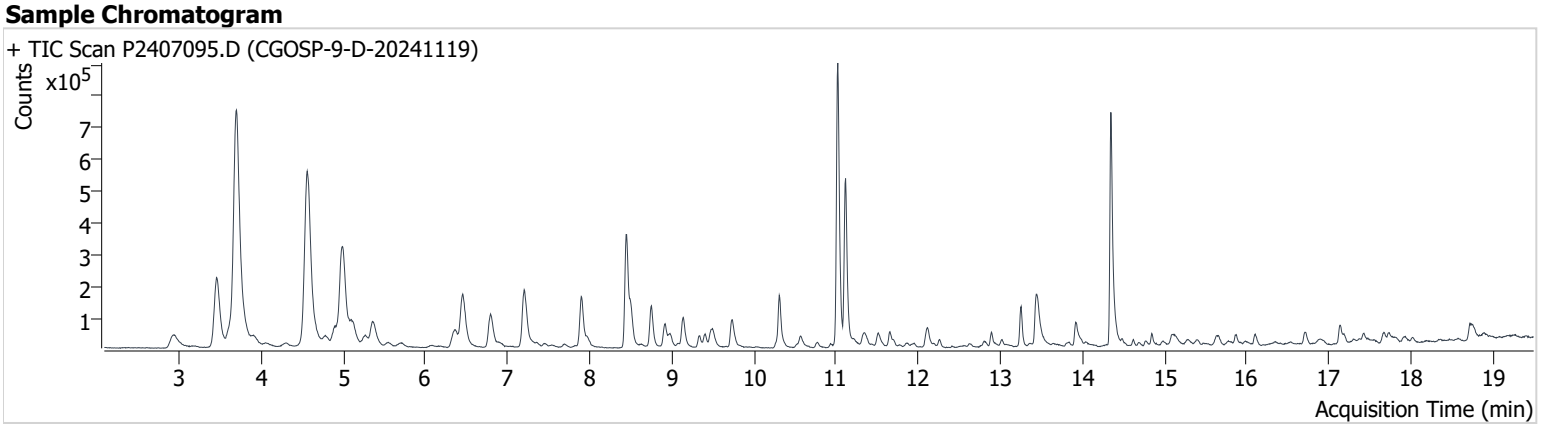
o-Xylene


+ EIC (91.1) Scan P2407093.D
Counts
x10^4
5
4
3
2
1
0
13.917 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.881-14.098 min, 36 scans) P2407093.D
Lib Match Score=75.4
Counts
x10^3
1
0.5
0
-0.5
-1
-1.5
91.1
106.2
39.1
55.1
69.1
77.1
97.2
111.2
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

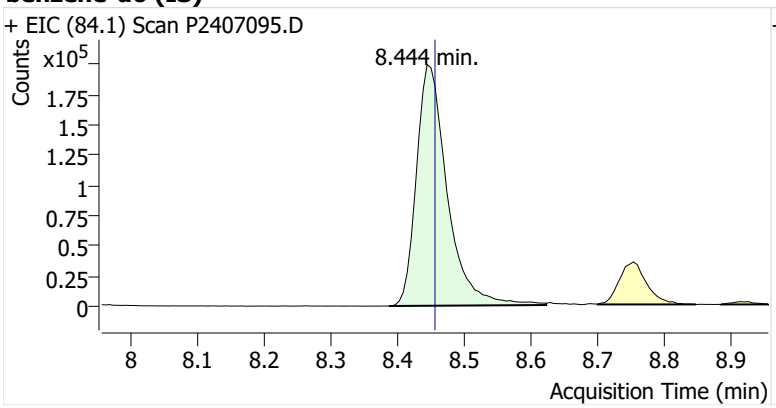
Name	CGOSP-9-D-20241119
Comment	C40142
Data File	P2407095.D
Acq. Date-Time	12/9/2024 11:57:24 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

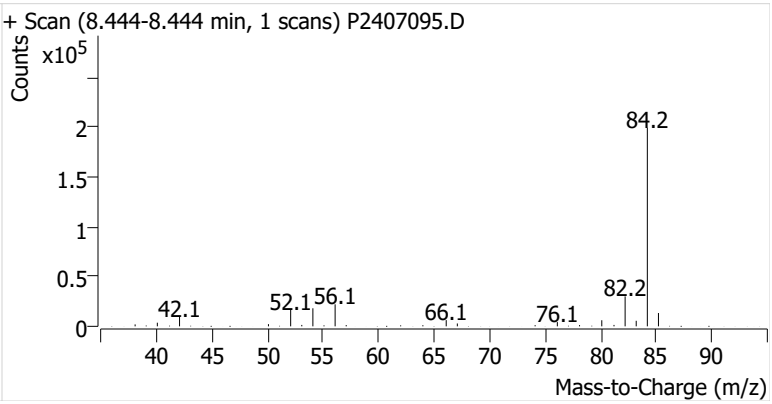
Sample Chromatogram



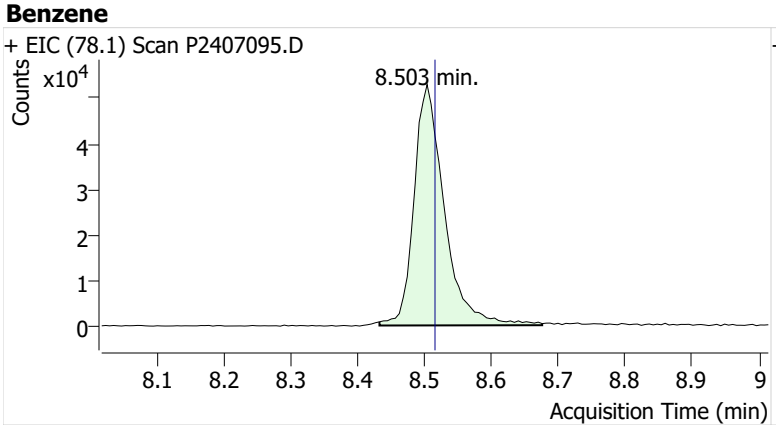
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.444	8.456	636,713	
Benzene	benzene-d6 (IS)	8.503	8.515	166,160	
Toluene-d8 (IS)		11.020	11.032	936,080	
Toluene	Toluene-d8 (IS)	11.115	11.121	586,176	
Ethylbenzene	Toluene-d8 (IS)	13.252	13.252	118,329	
m-/p-Xylenes	Toluene-d8 (IS)	13.442	13.459	258,207	
o-Xylene	Toluene-d8 (IS)	13.916	13.922	95,970	

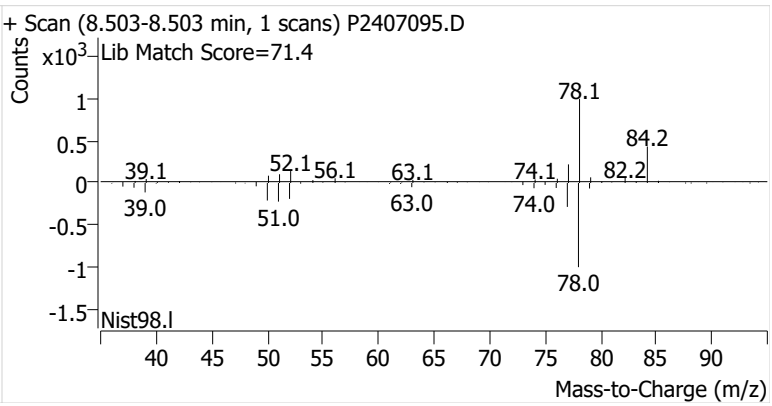
benzene-d6 (IS)



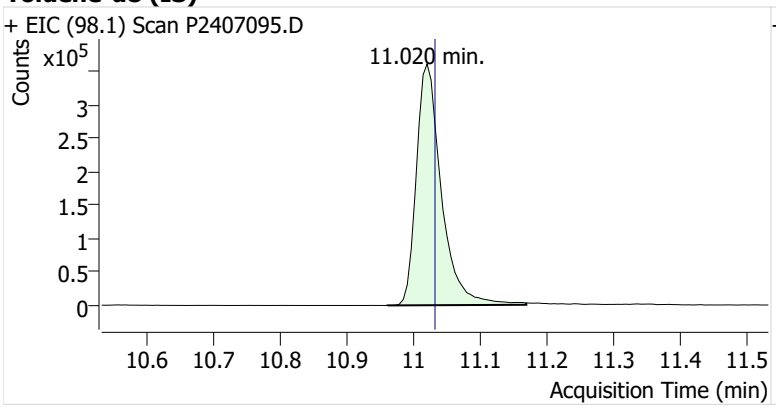


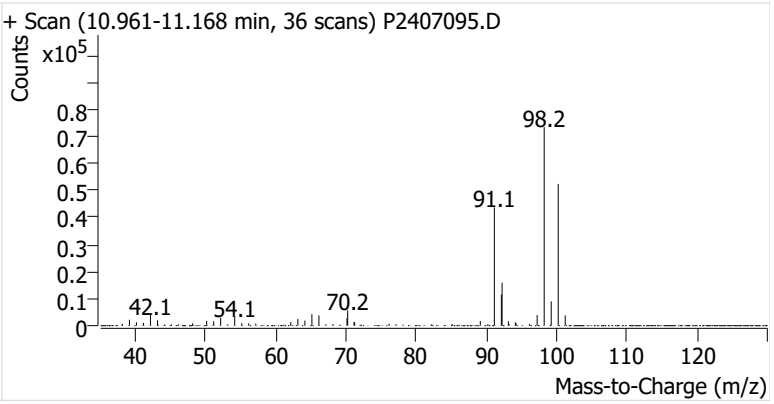
Benzene



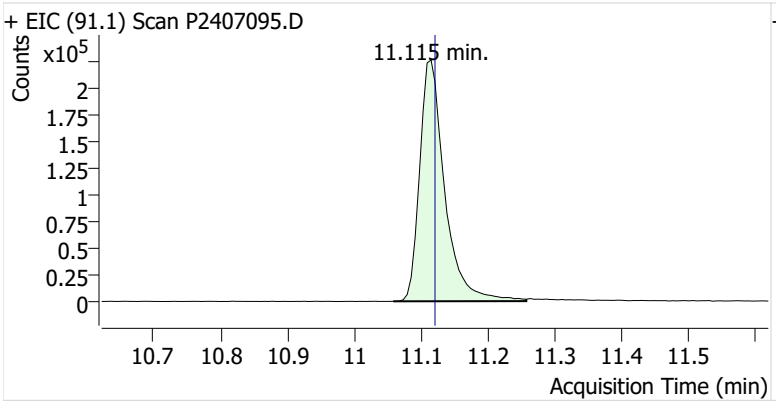


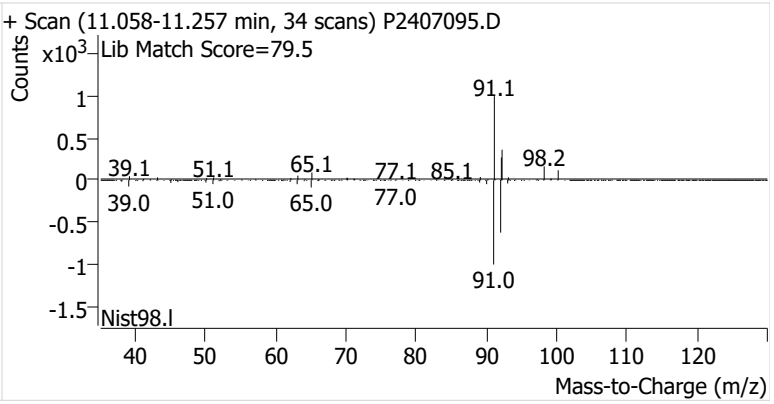
Toluene-d8 (IS)



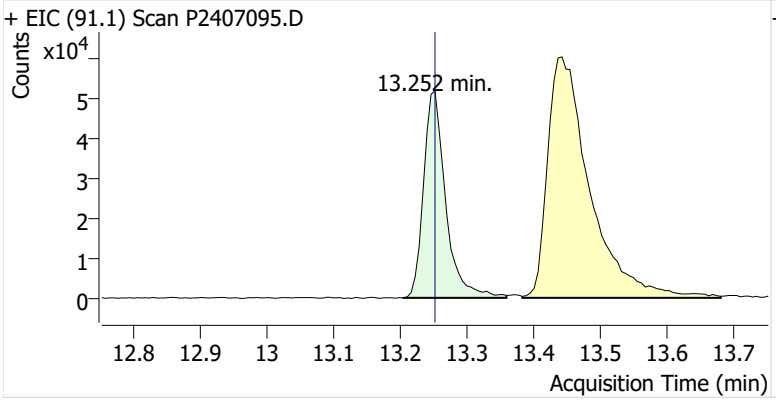


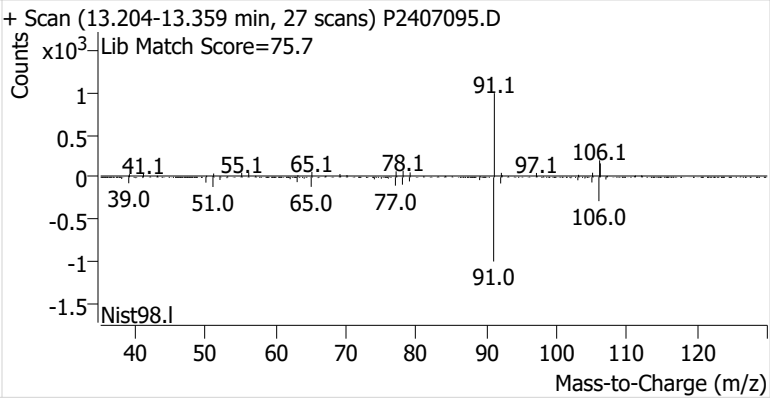
Toluene



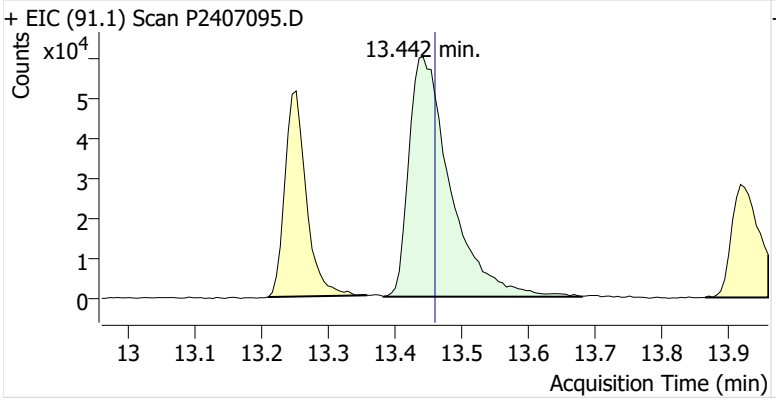


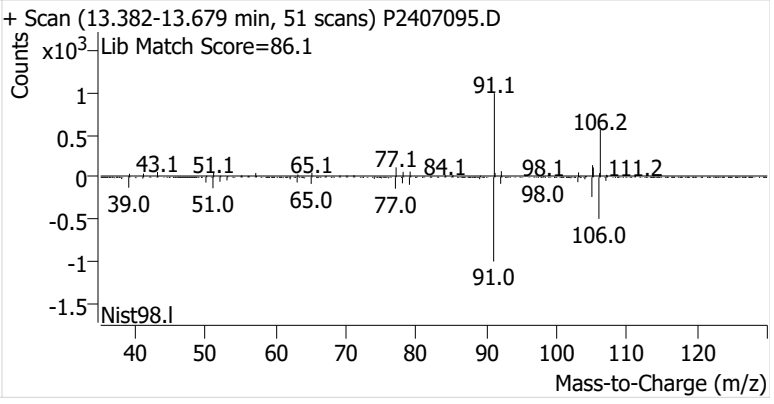
Ethylbenzene



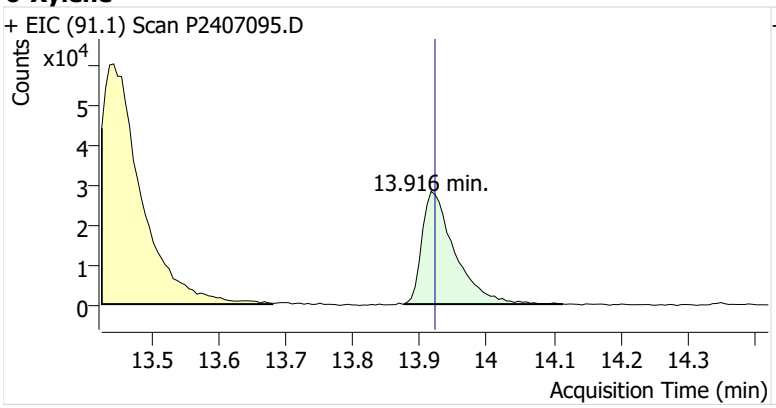


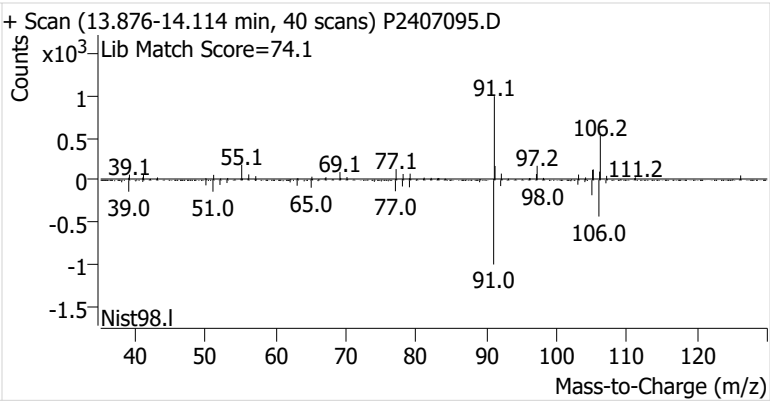
m-/p-Xylenes





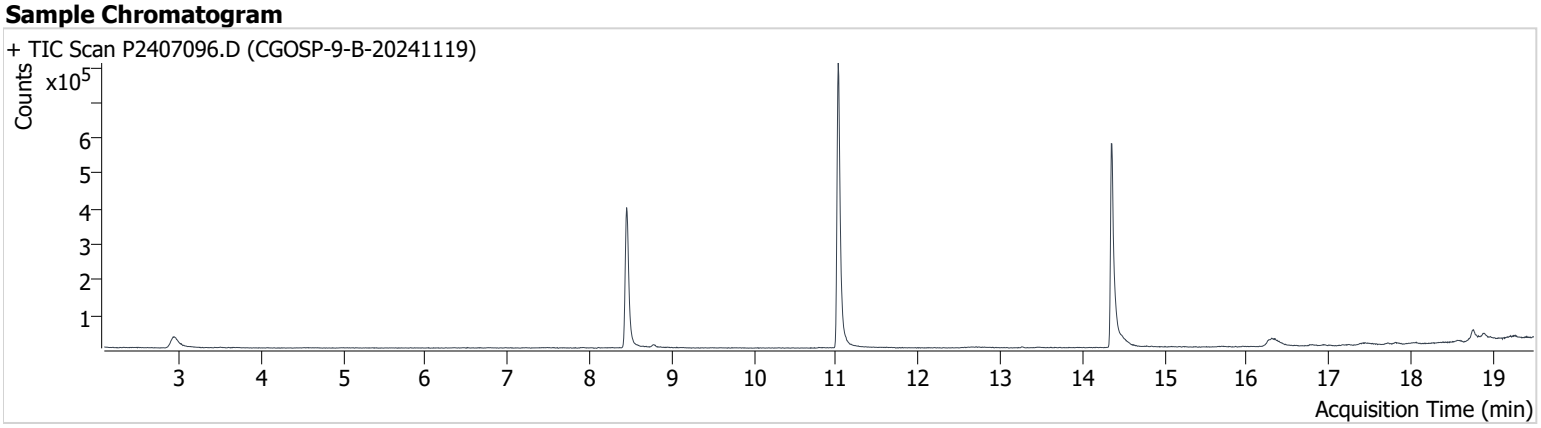
o-Xylene


+ EIC (91.1) Scan P2407095.D
Counts
x10^4
5
4
3
2
1
0
13.916 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.876-14.114 min, 40 scans) P2407095.D
Lib Match Score=74.1
Counts
x10^3
1
0.5
0
-0.5
-1
-1.5
91.1
106.2
39.1
55.1
69.1
77.1
97.2
111.2
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

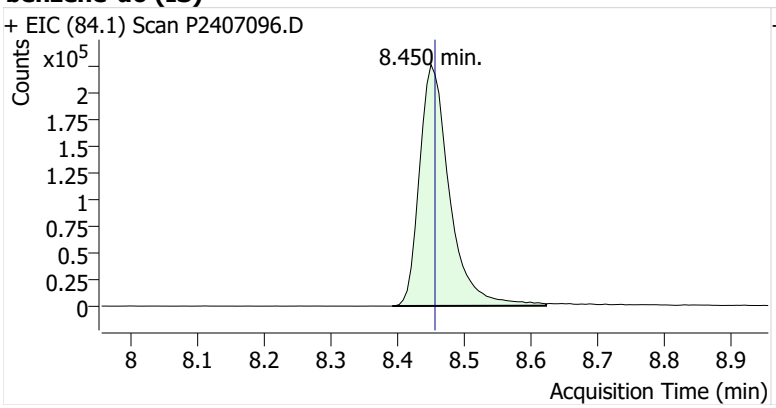
Name	CGOSP-9-B-20241119
Comment	B52926
Data File	P2407096.D
Acq. Date-Time	12/10/2024 12:34:38 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

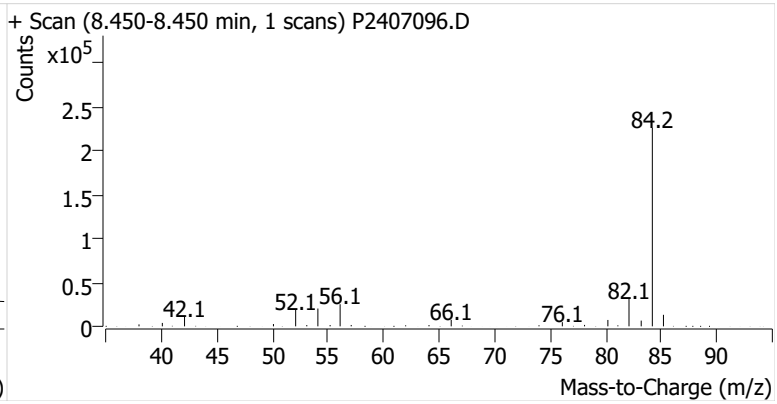
Sample Chromatogram



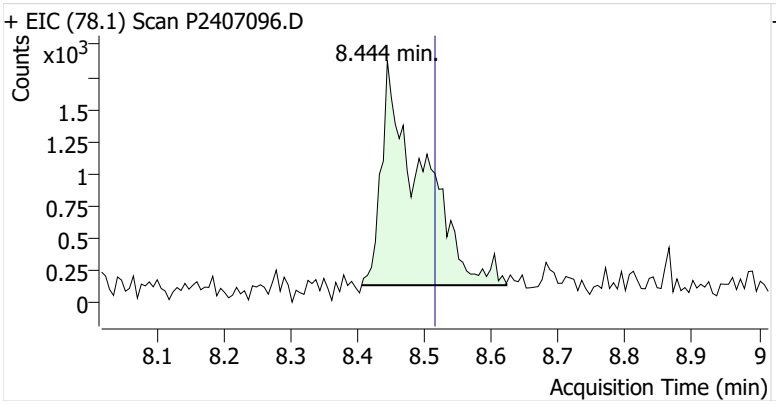
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.450	8.456	703,880	
Benzene	benzene-d6 (IS)	8.444	8.515	7,295	
Toluene-d8 (IS)		11.026	11.032	915,500	
Toluene	Toluene-d8 (IS)	11.121	11.121	8,038	
Ethylbenzene	Toluene-d8 (IS)	13.263	13.252	2,416	
m-/p-Xylenes	Toluene-d8 (IS)	13.471	13.459	2,739	
o-Xylene	Toluene-d8 (IS)	13.940	13.922	788	

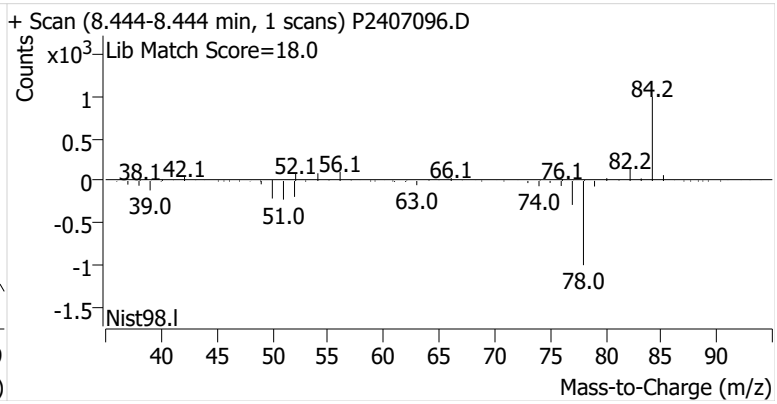
benzene-d6 (IS)



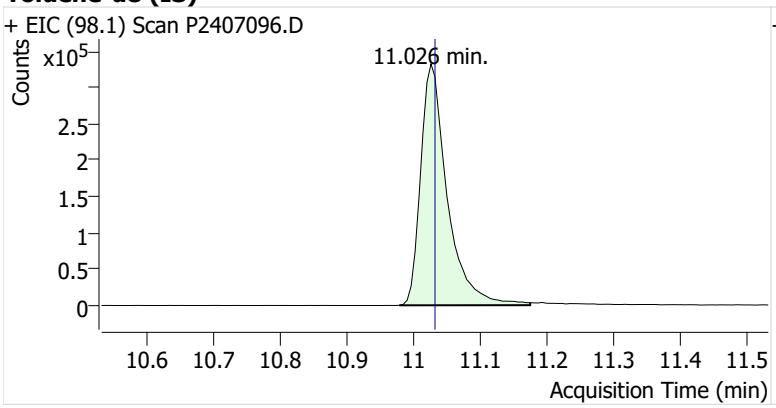


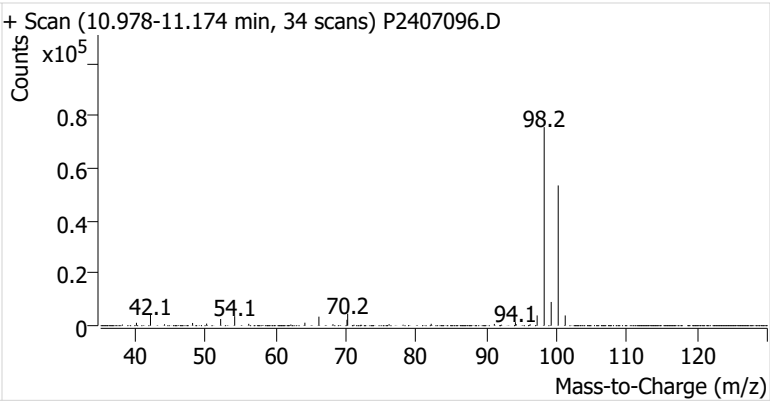
Benzene



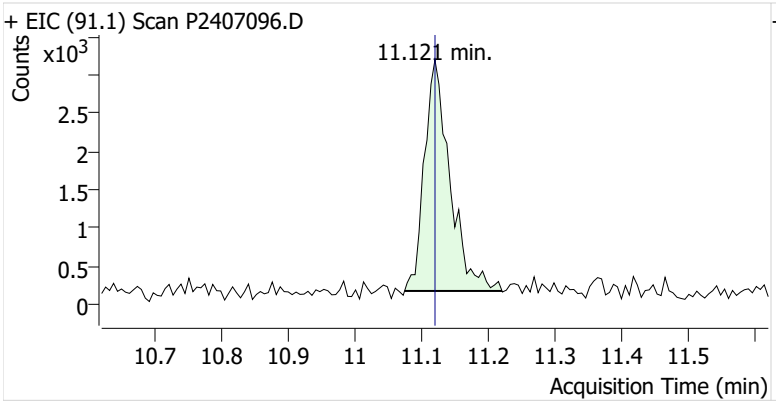


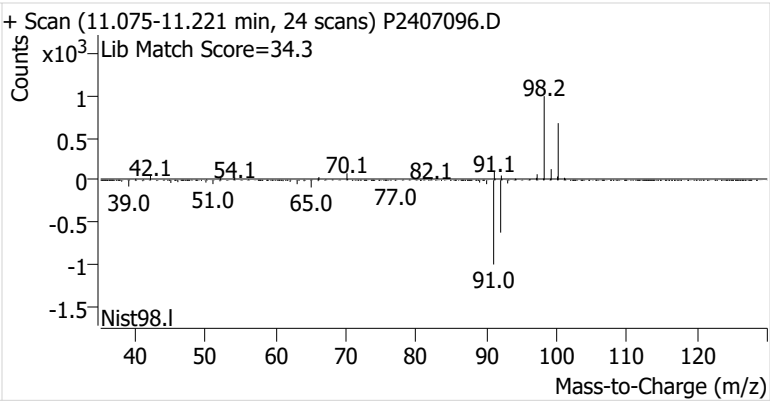
Toluene-d8 (IS)



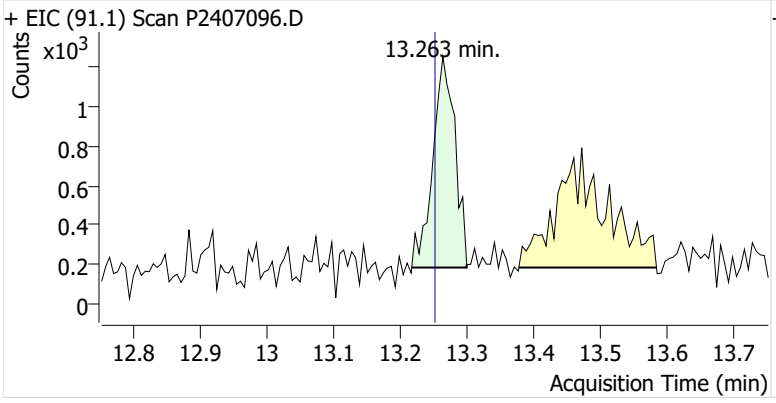


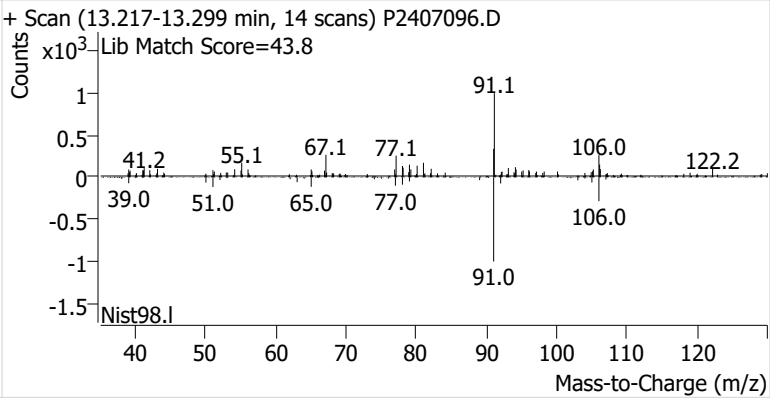
Toluene



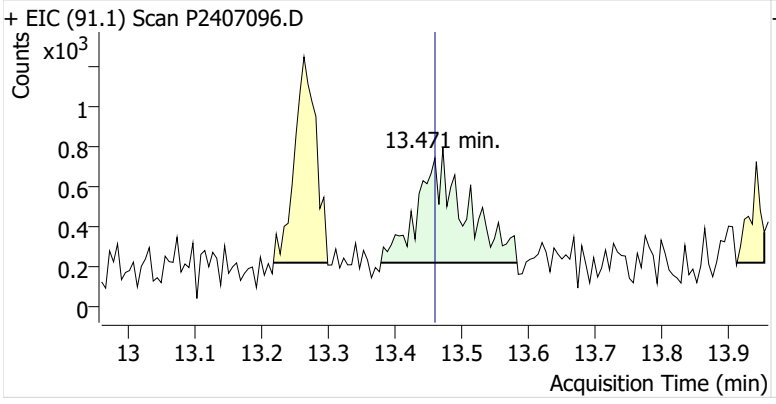


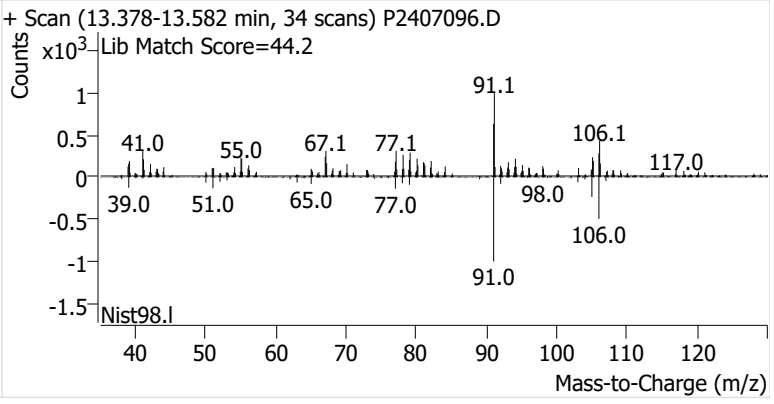
Ethylbenzene



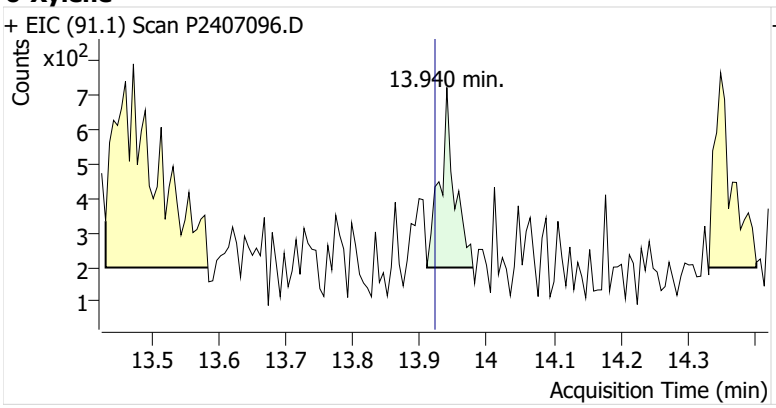


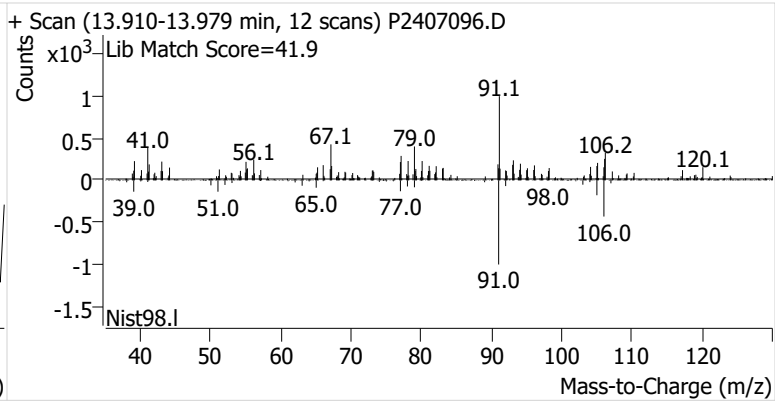
m-/p-Xylenes





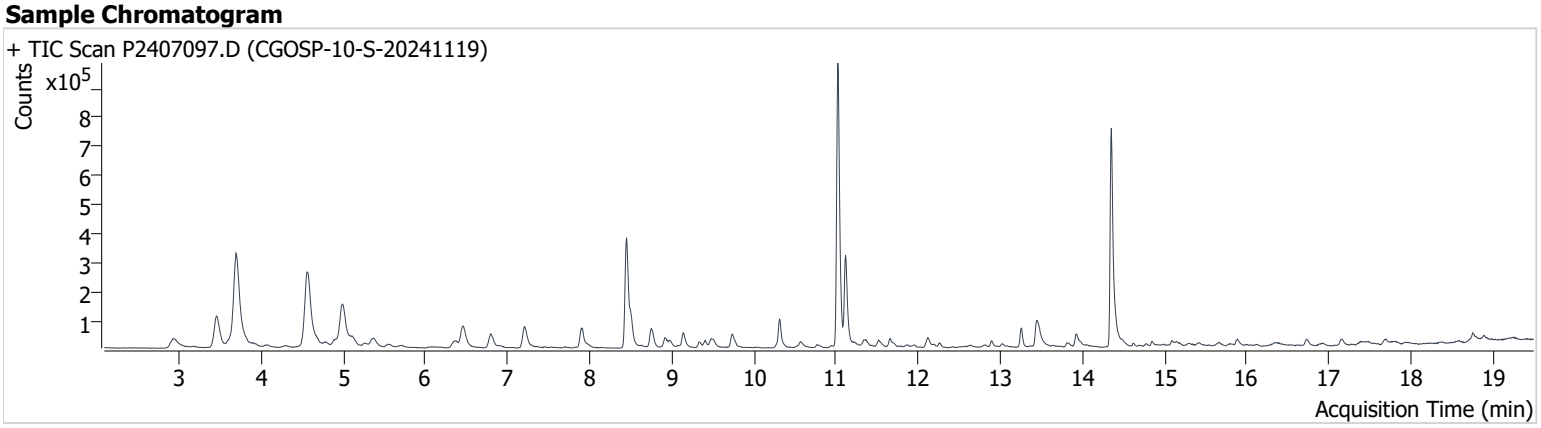
o-Xylene


+ EIC (91.1) Scan P2407096.D
Counts
x10^2
13.940 min.
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3
Acquisition Time (min)


+ Scan (13.910-13.979 min, 12 scans) P2407096.D
Lib Match Score=41.9
Counts
x10^3
91.1
41.0
56.1
67.1
79.0
106.2
120.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

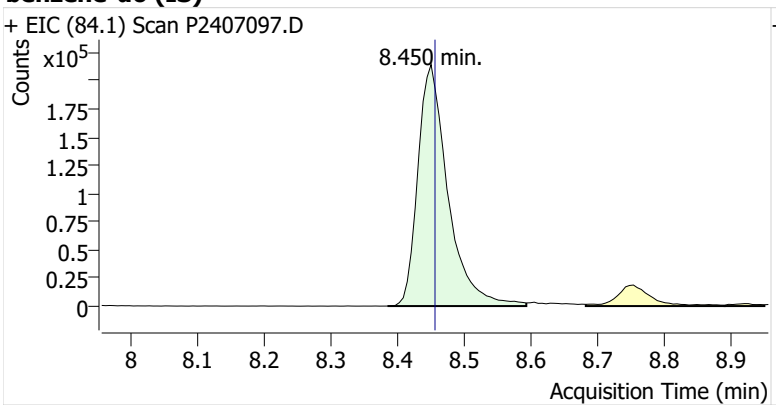
Name	CGOSP-10-S-20241119
Comment	C20574
Data File	P2407097.D
Acq. Date-Time	12/10/2024 1:11:50 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

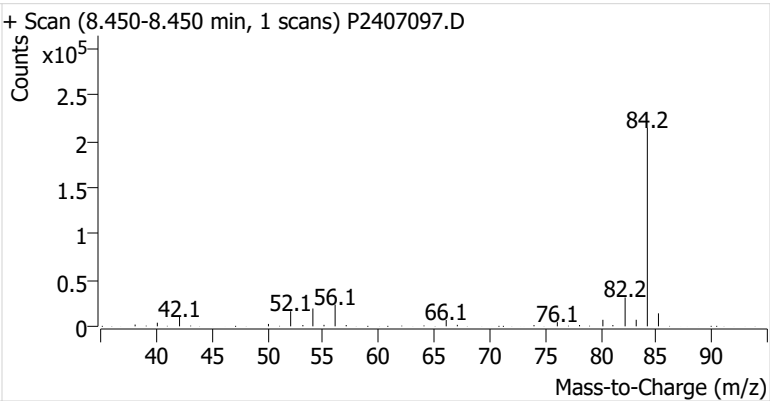
Sample Chromatogram



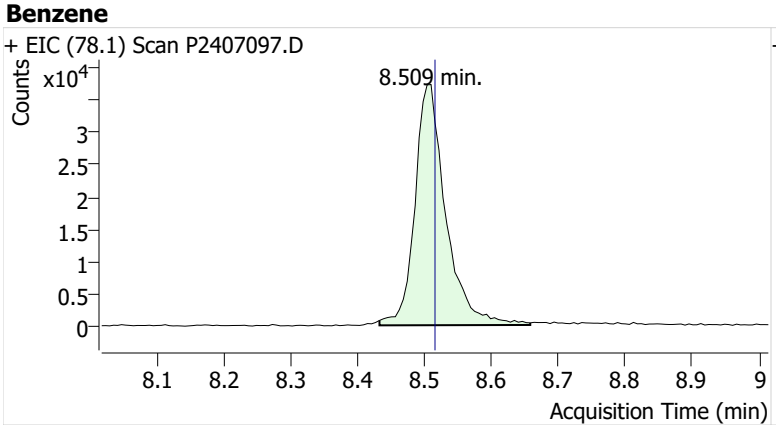
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.450	8.456	669,163	
Benzene	benzene-d6 (IS)	8.509	8.515	119,737	
Toluene-d8 (IS)		11.020	11.032	1,042,286	
Toluene	Toluene-d8 (IS)	11.115	11.121	347,521	
Ethylbenzene	Toluene-d8 (IS)	13.252	13.252	67,221	
m-/p-Xylenes	Toluene-d8 (IS)	13.448	13.459	146,953	
o-Xylene	Toluene-d8 (IS)	13.928	13.922	58,743	

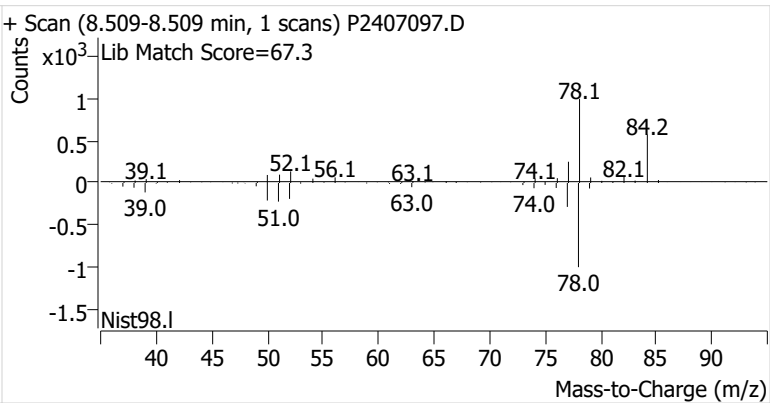
benzene-d6 (IS)



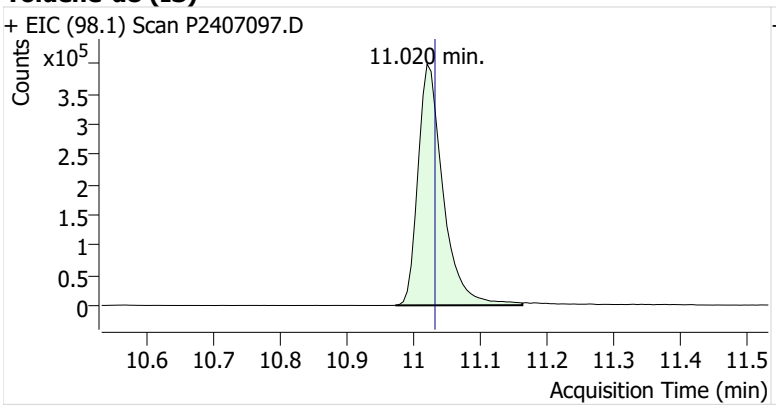


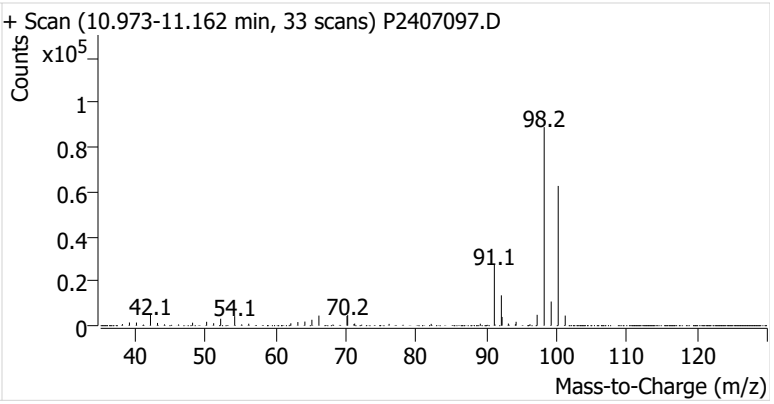
Benzene



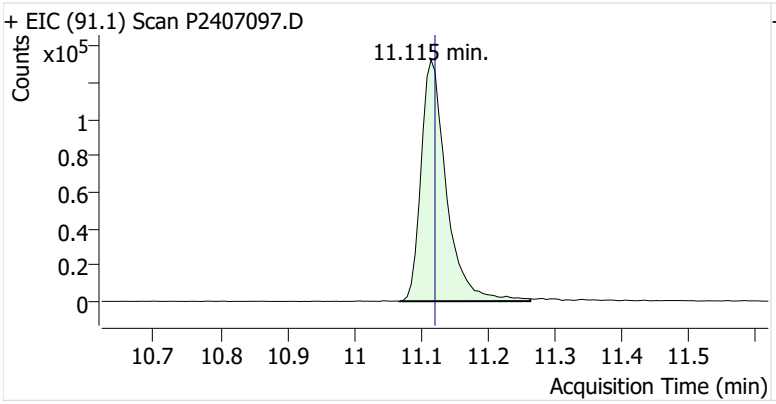


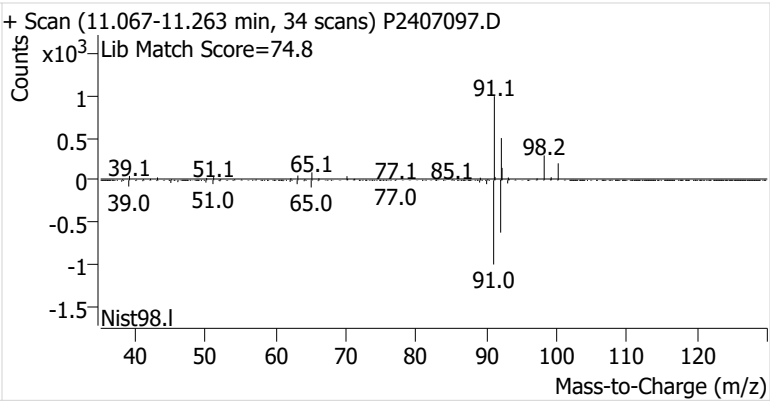
Toluene-d8 (IS)



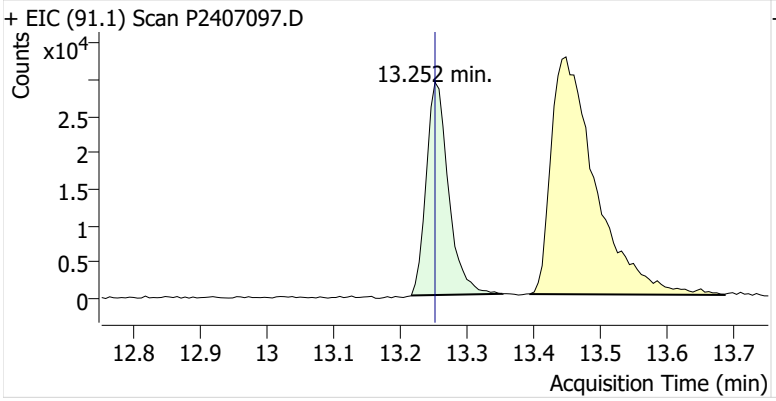


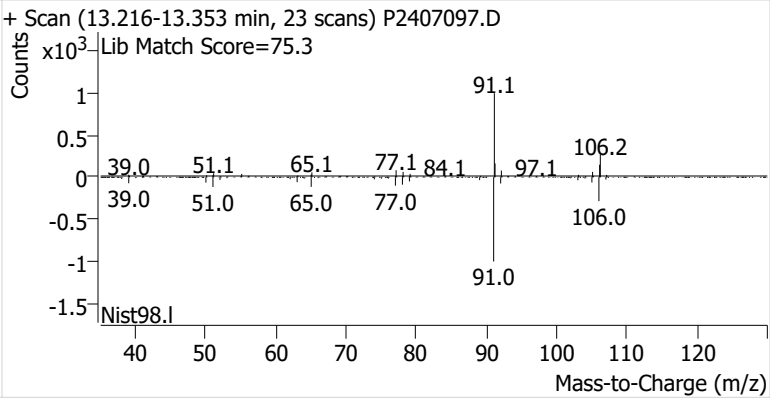
Toluene



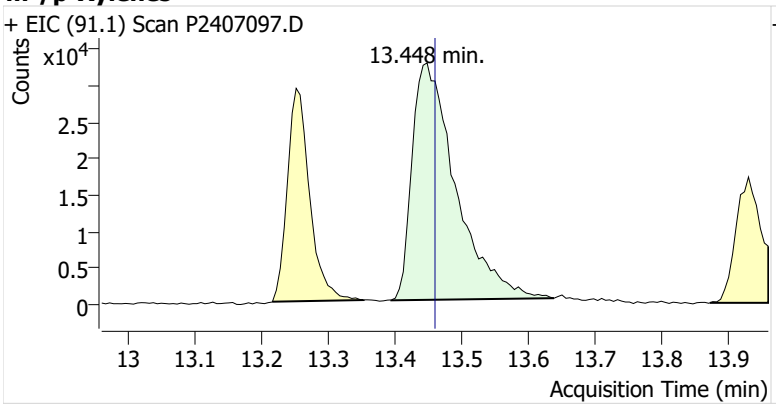


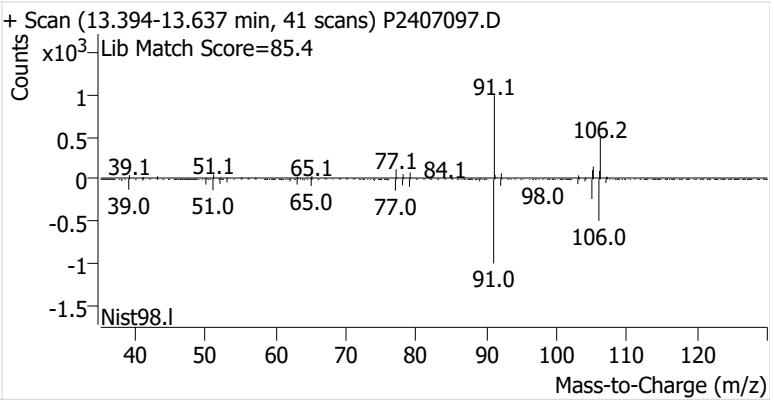
Ethylbenzene



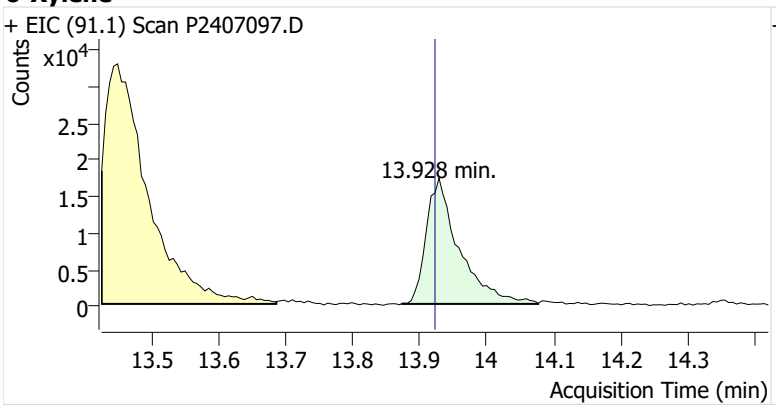


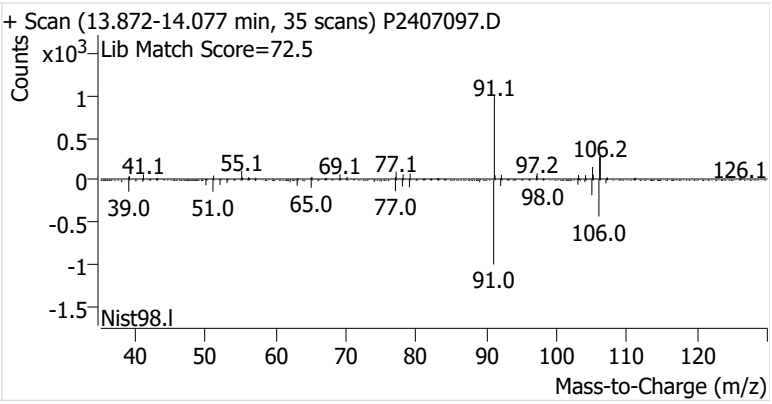
m-/p-Xylenes





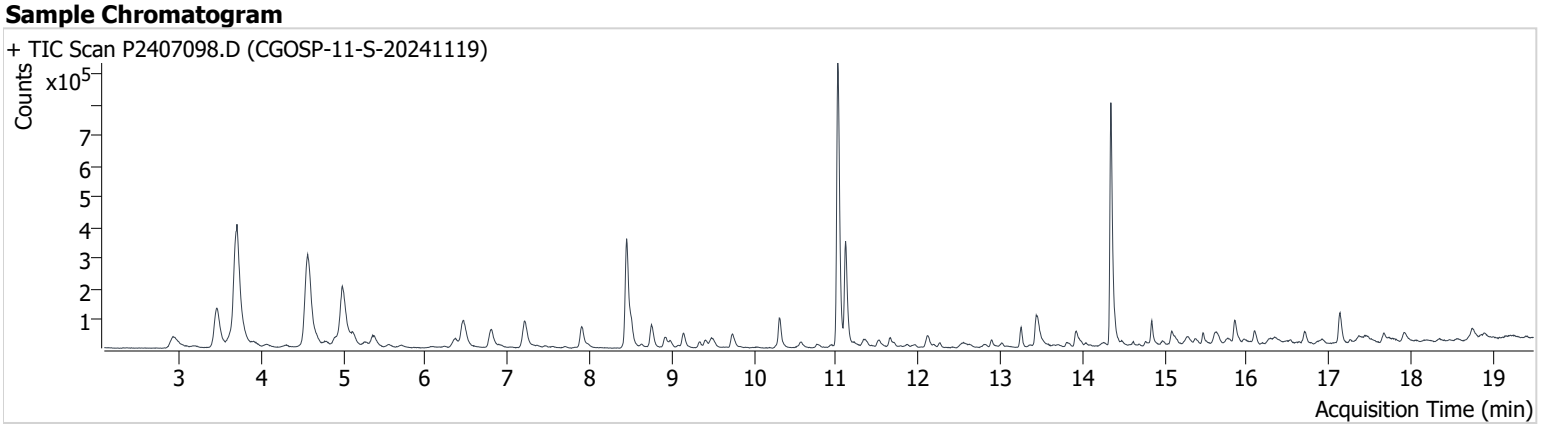
o-Xylene


+ EIC (91.1) Scan P2407097.D
Counts
x10^4
2.5
2
1.5
1
0.5
0
13.928 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.872-14.077 min, 35 scans) P2407097.D
Lib Match Score=72.5
Counts
x10^3
1
0.5
0
-0.5
-1
-1.5
91.1
41.1
55.1
69.1
77.1
97.2
106.2
126.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

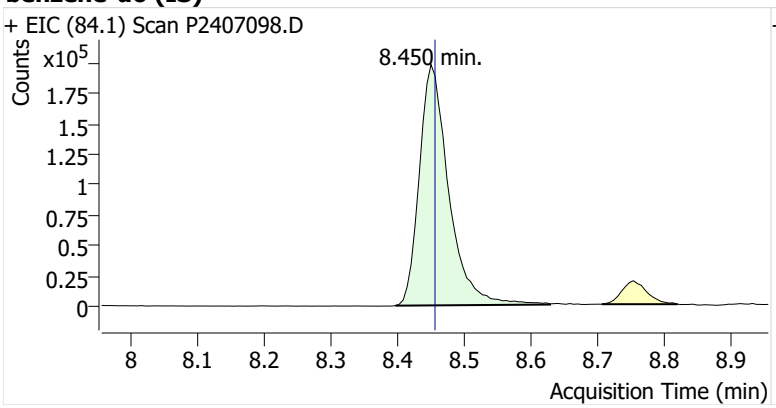
Name	CGOSP-11-S-20241119
Comment	C43679
Data File	P2407098.D
Acq. Date-Time	12/10/2024 1:49:04 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

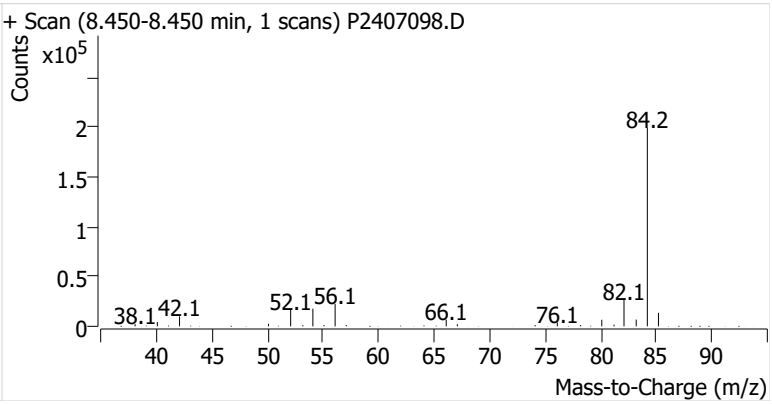
Sample Chromatogram



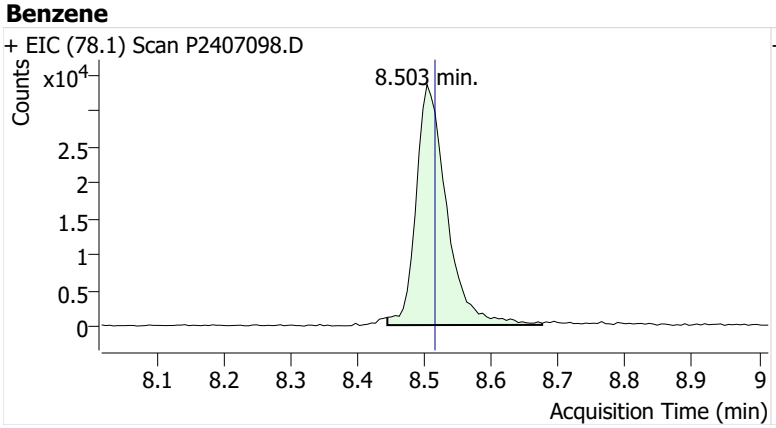
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.450	8.456	605,945	
Benzene	benzene-d6 (IS)	8.503	8.515	106,663	
Toluene-d8 (IS)		11.020	11.032	968,503	
Toluene	Toluene-d8 (IS)	11.115	11.121	365,251	
Ethylbenzene	Toluene-d8 (IS)	13.252	13.252	61,273	
m-/p-Xylenes	Toluene-d8 (IS)	13.442	13.459	157,293	
o-Xylene	Toluene-d8 (IS)	13.922	13.922	58,934	

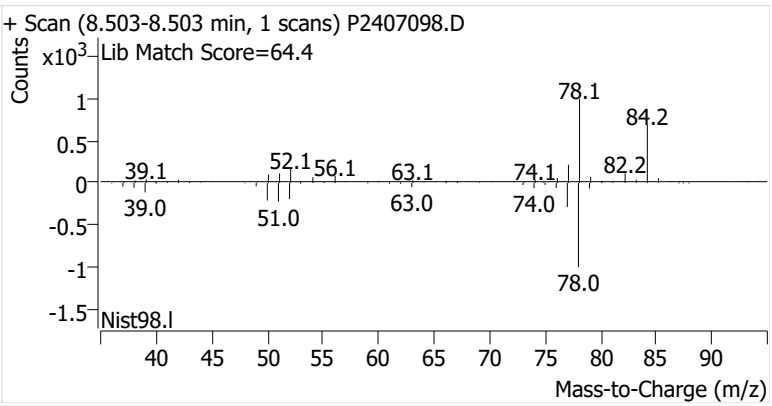
benzene-d6 (IS)



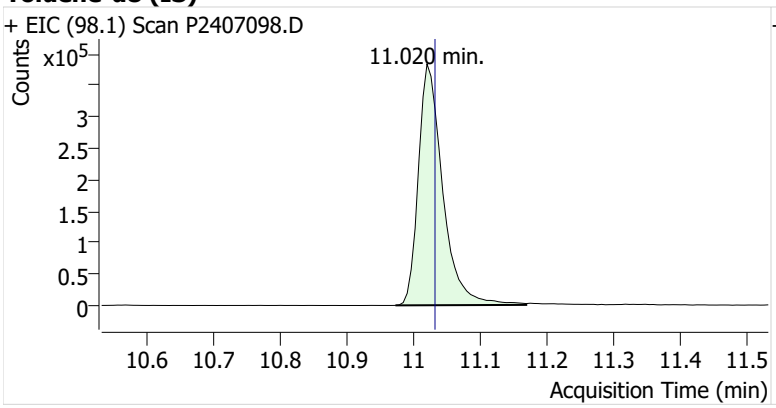


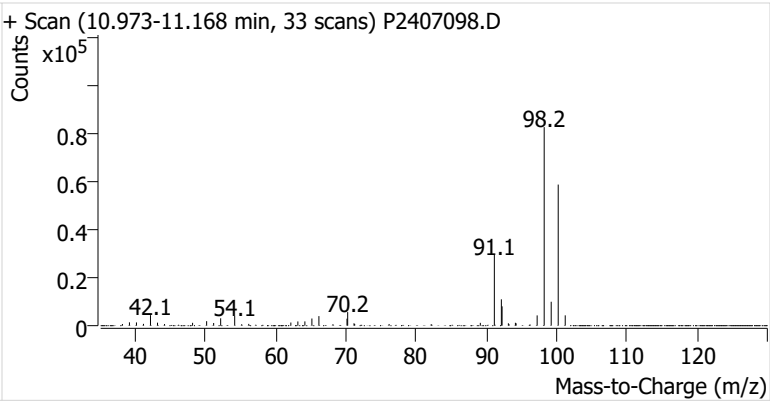
Benzene



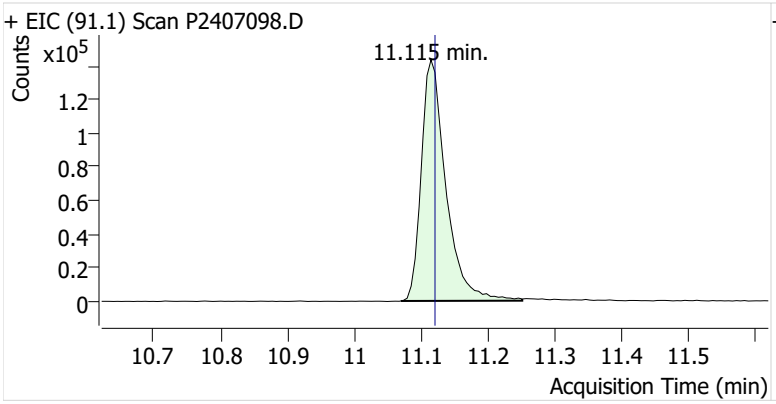


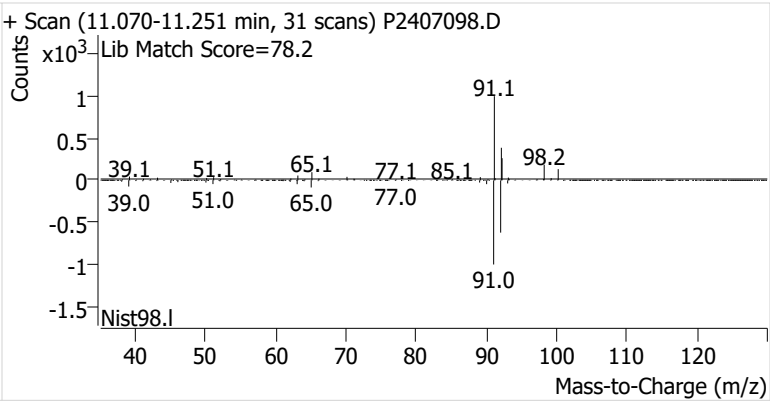
Toluene-d8 (IS)



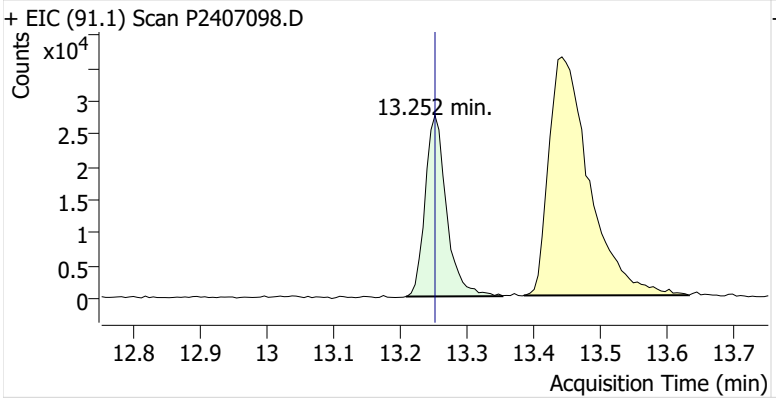


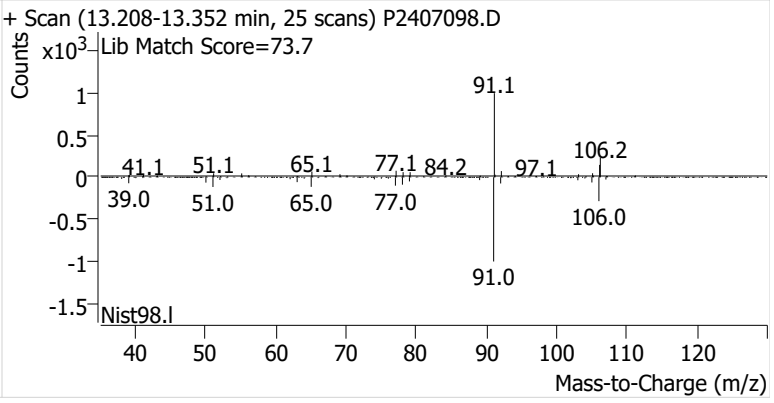
Toluene



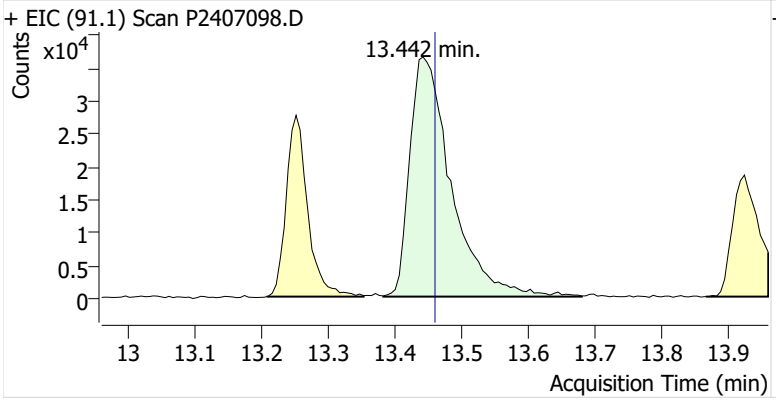


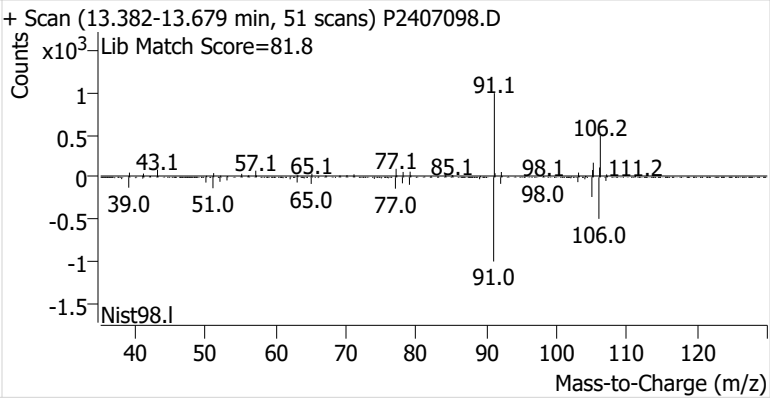
Ethylbenzene



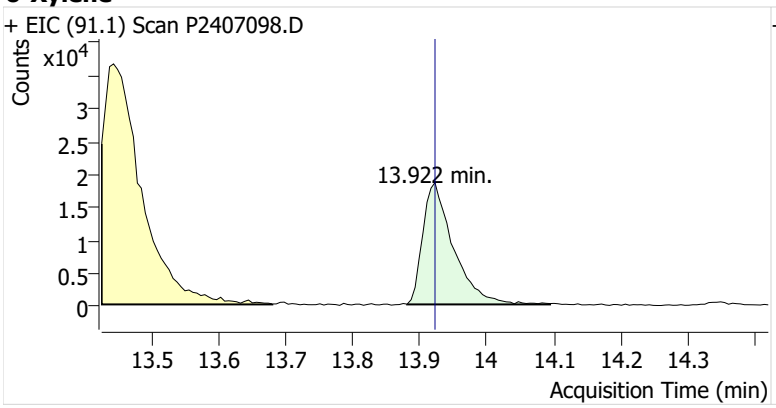


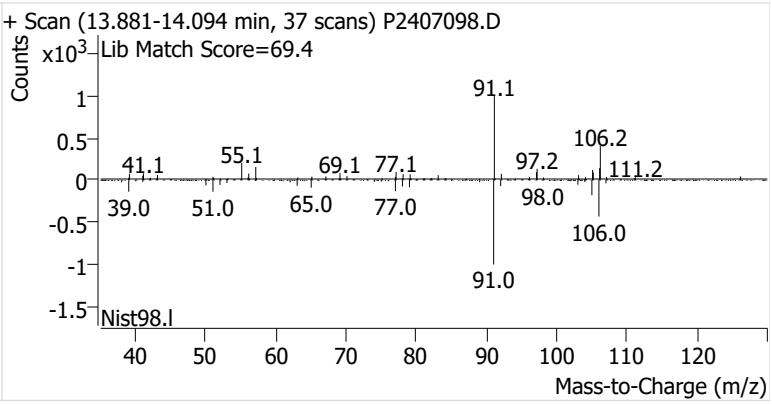
m-/p-Xylenes





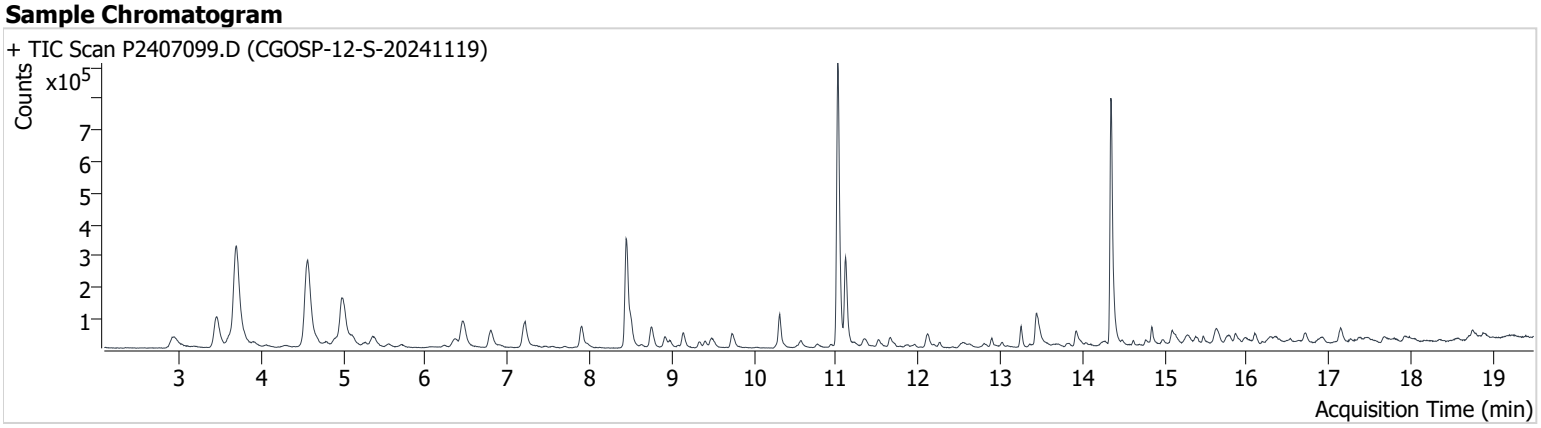
o-Xylene


+ EIC (91.1) Scan P2407098.D
Counts
x10^4
3
2.5
2
1.5
1
0.5
0
13.922 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.881-14.094 min, 37 scans) P2407098.D
Counts
x10^3
Lib Match Score=69.4
1
0.5
0
-0.5
-1
-1.5
91.1
106.2
41.1
55.1
69.1
77.1
97.2
111.2
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

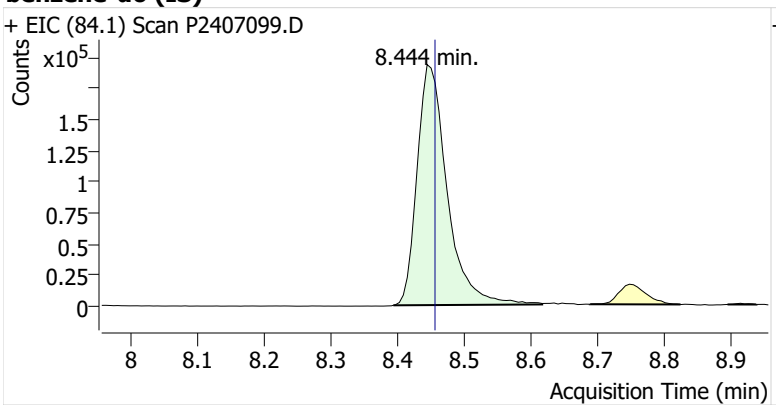
Name	CGOSP-12-S-20241119
Comment	C43657
Data File	P2407099.D
Acq. Date-Time	12/10/2024 2:26:19 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

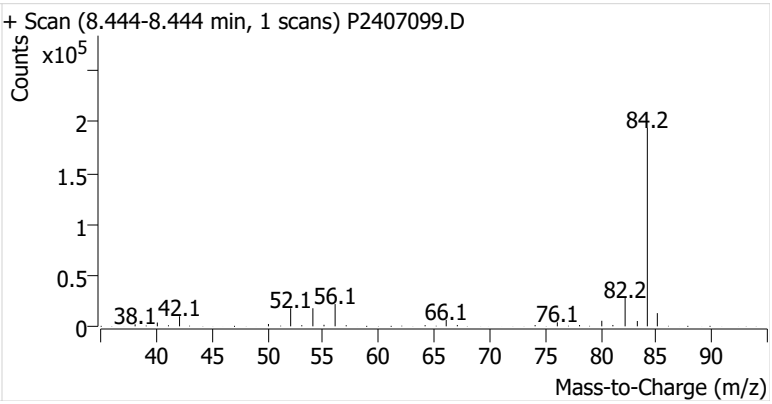
Sample Chromatogram



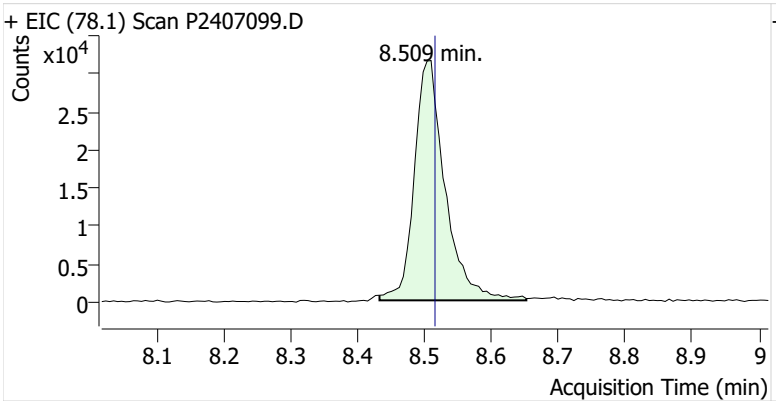
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.444	8.456	604,248	
Benzene	benzene-d6 (IS)	8.509	8.515	101,084	
Toluene-d8 (IS)		11.020	11.032	950,008	
Toluene	Toluene-d8 (IS)	11.115	11.121	307,486	
Ethylbenzene	Toluene-d8 (IS)	13.252	13.252	62,505	
m-/p-Xylenes	Toluene-d8 (IS)	13.442	13.459	159,374	
o-Xylene	Toluene-d8 (IS)	13.922	13.922	59,335	

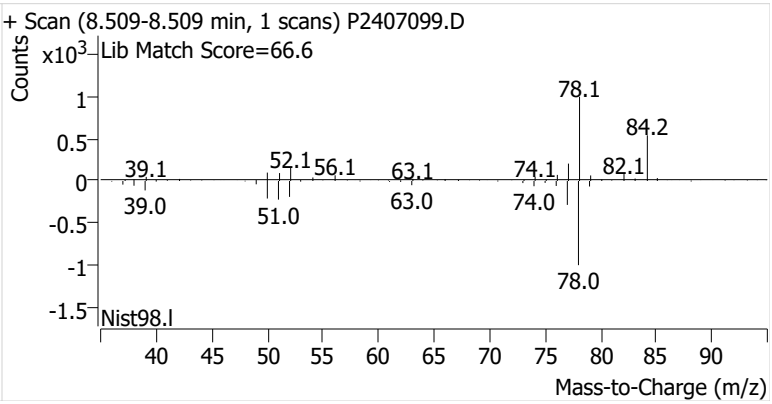
benzene-d6 (IS)



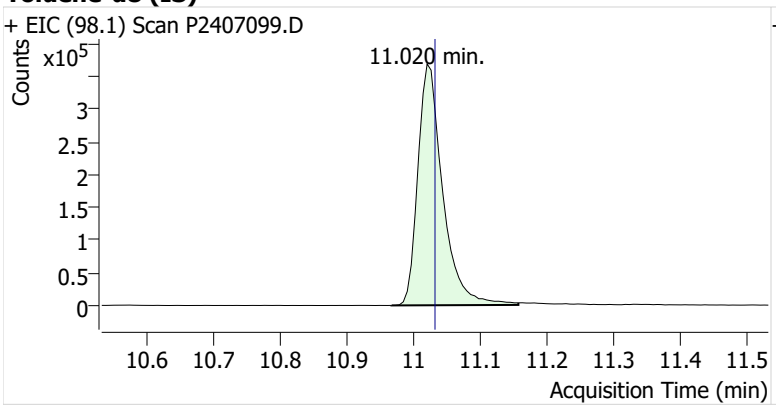


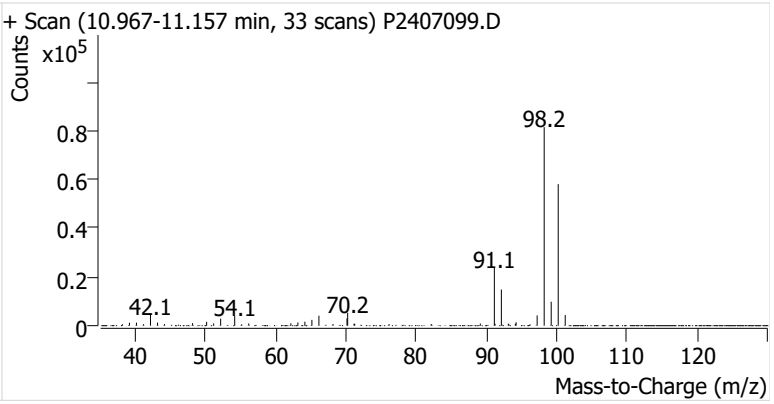
Benzene



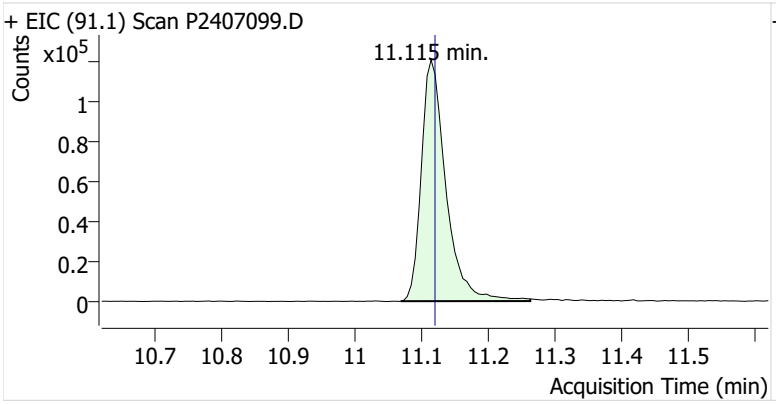


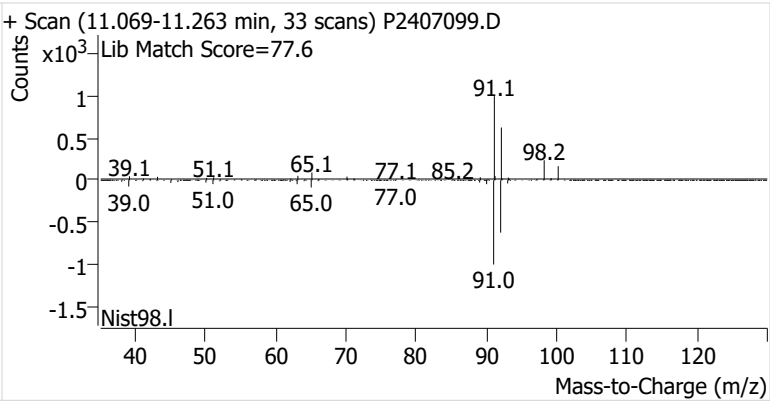
Toluene-d8 (IS)



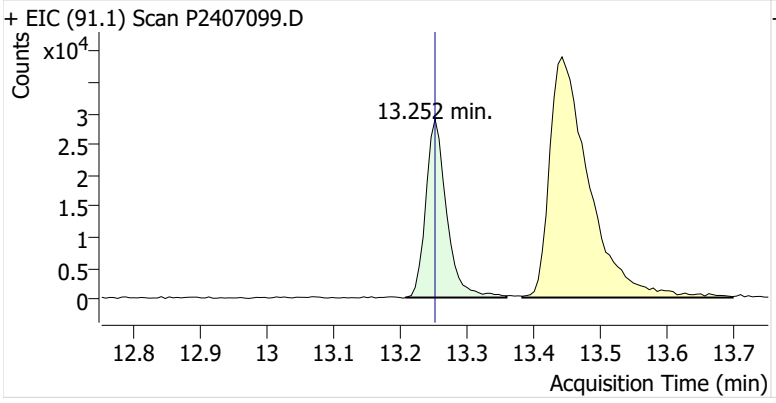


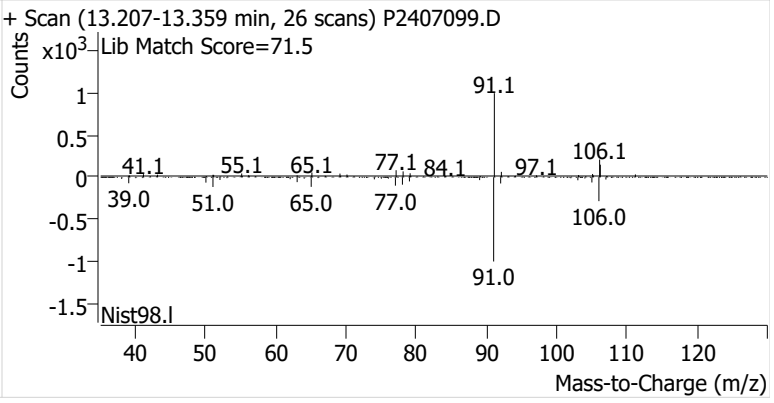
Toluene



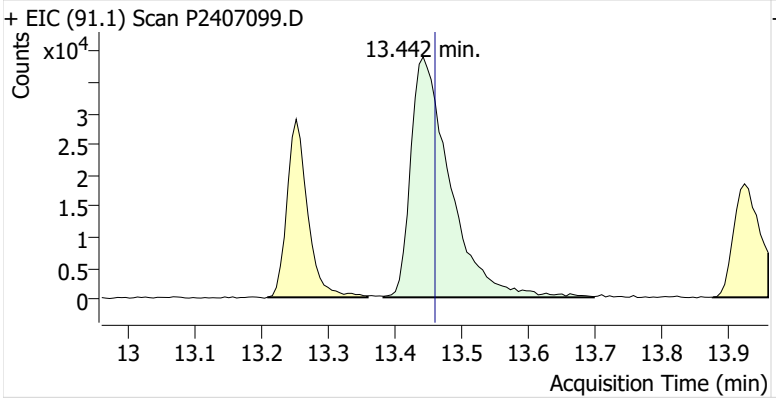


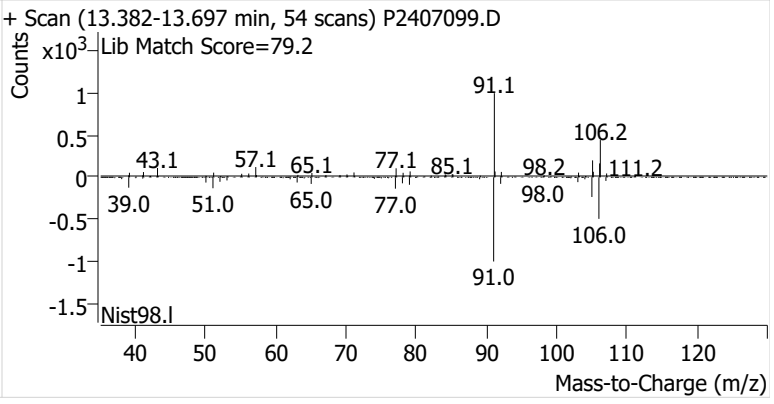
Ethylbenzene



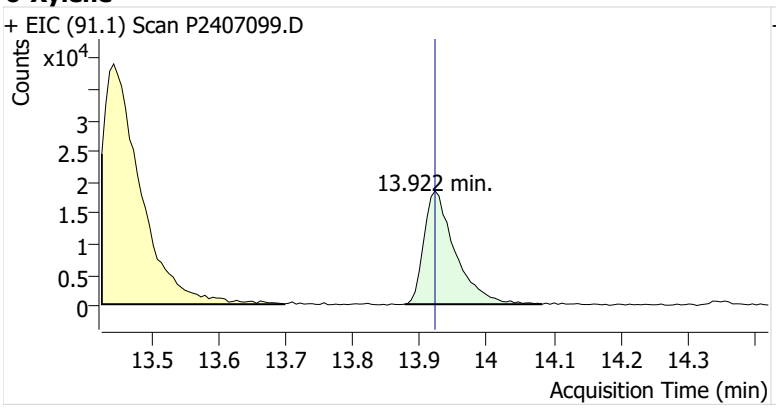


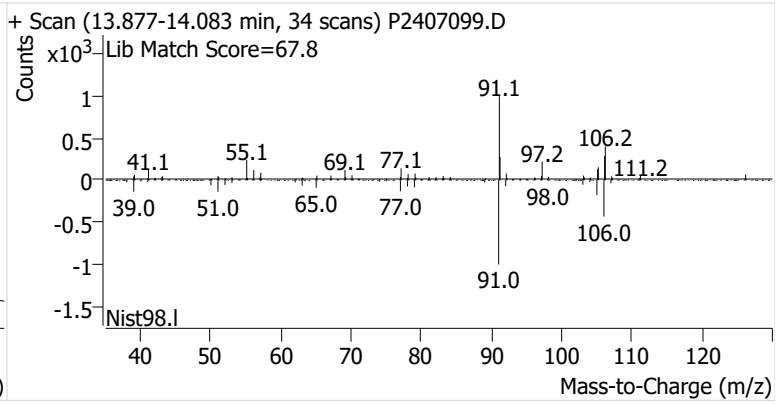
m-/p-Xylenes





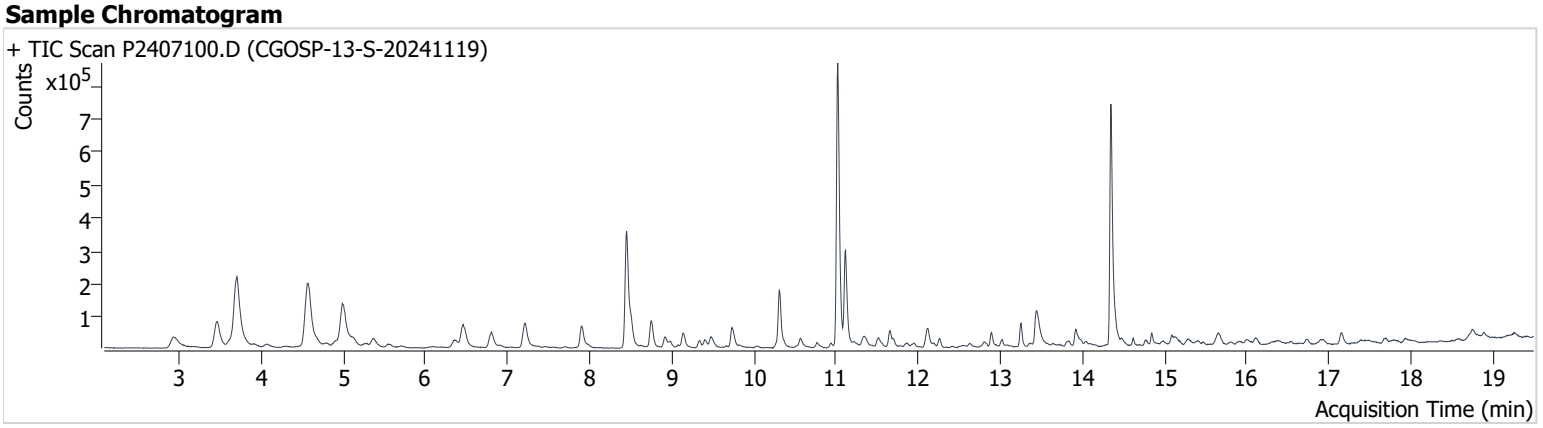
o-Xylene


+ EIC (91.1) Scan P2407099.D
Counts
x10^4
3
2.5
2
1.5
1
0.5
0
13.922 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.877-14.083 min, 34 scans) P2407099.D
Counts
x10^3
Lib Match Score=67.8
1
0.5
0
-0.5
-1
-1.5
91.1
106.2
41.1
55.1
69.1
77.1
97.2
111.2
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

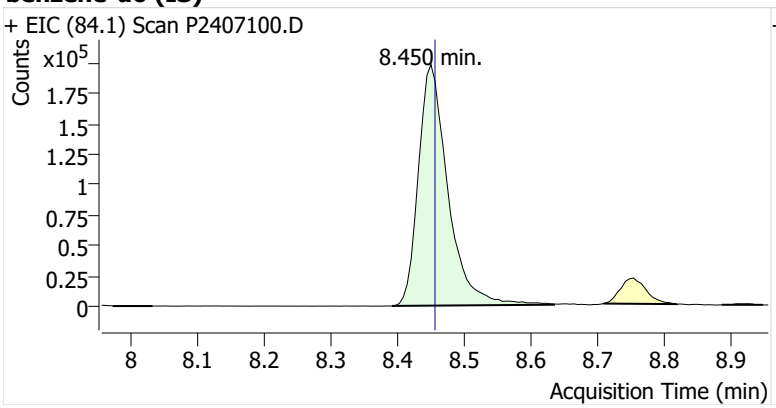
Name	CGOSP-13-S-20241119
Comment	B52931
Data File	P2407100.D
Acq. Date-Time	12/10/2024 3:03:32 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

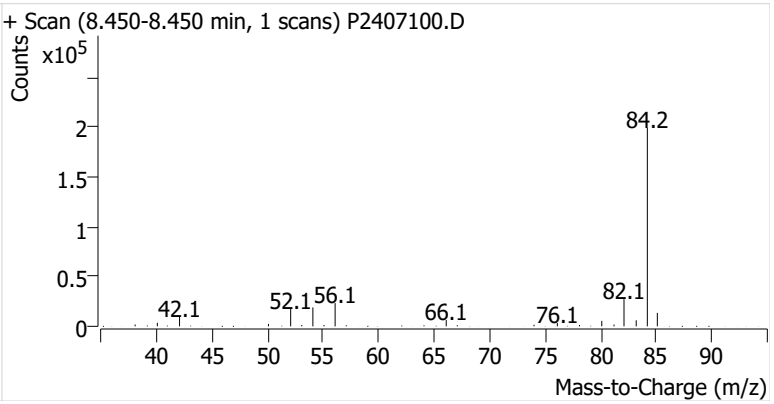
Sample Chromatogram



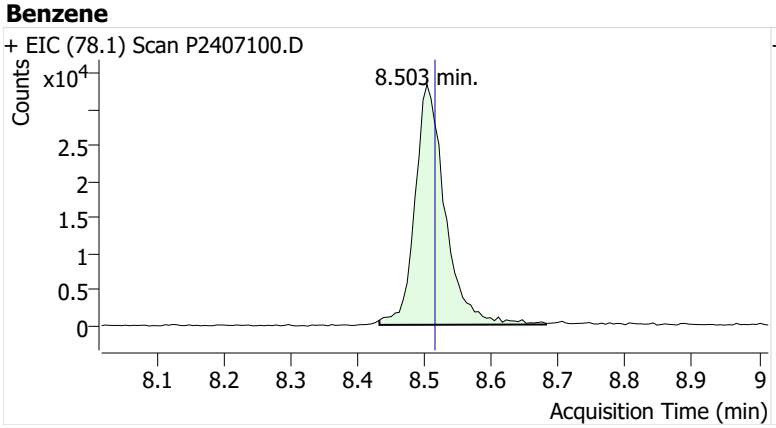
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.450	8.456	609,333	
Benzene	benzene-d6 (IS)	8.503	8.515	104,246	
Toluene-d8 (IS)		11.020	11.032	901,868	
Toluene	Toluene-d8 (IS)	11.115	11.121	310,648	
Ethylbenzene	Toluene-d8 (IS)	13.252	13.252	67,773	
m-/p-Xylenes	Toluene-d8 (IS)	13.436	13.459	163,955	
o-Xylene	Toluene-d8 (IS)	13.922	13.922	63,312	

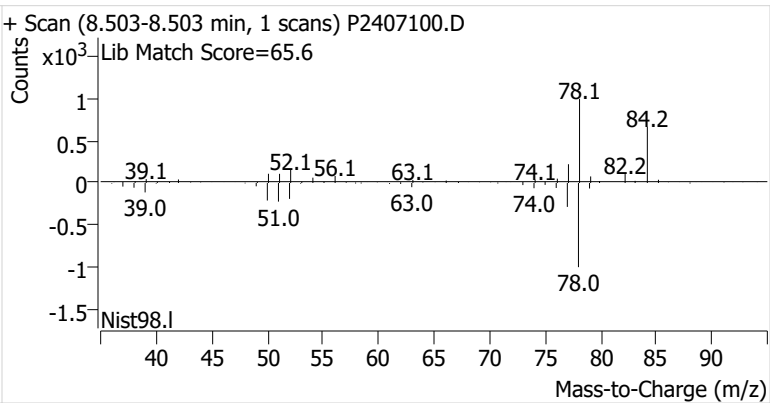
benzene-d6 (IS)



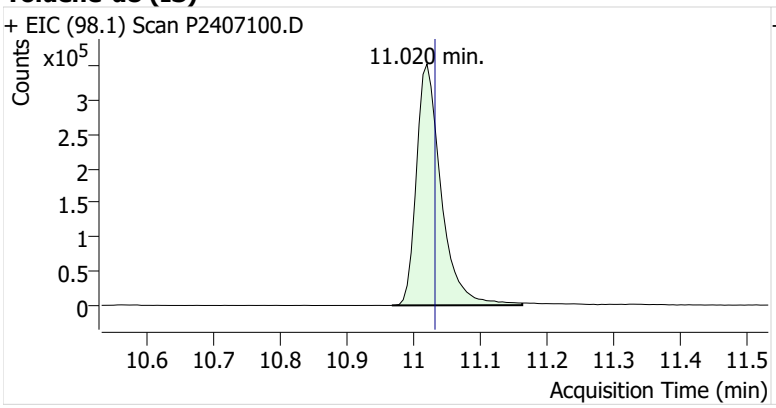


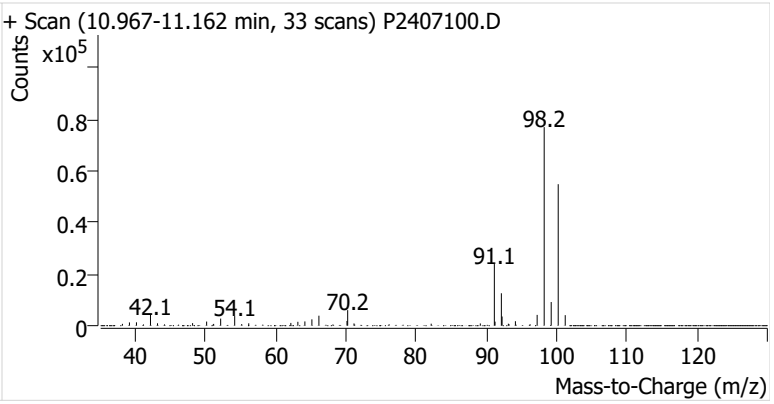
Benzene



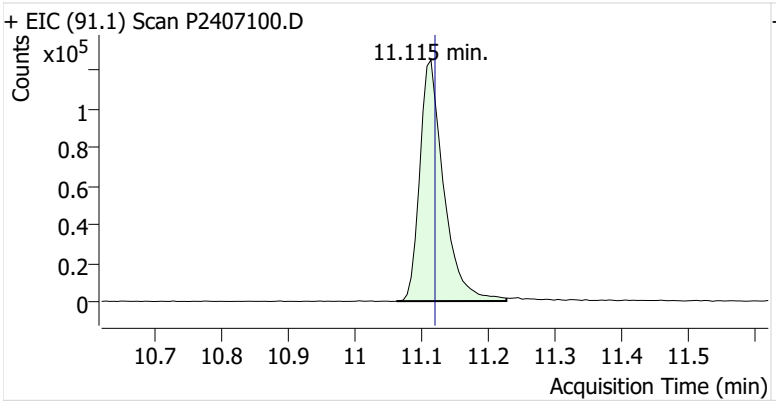


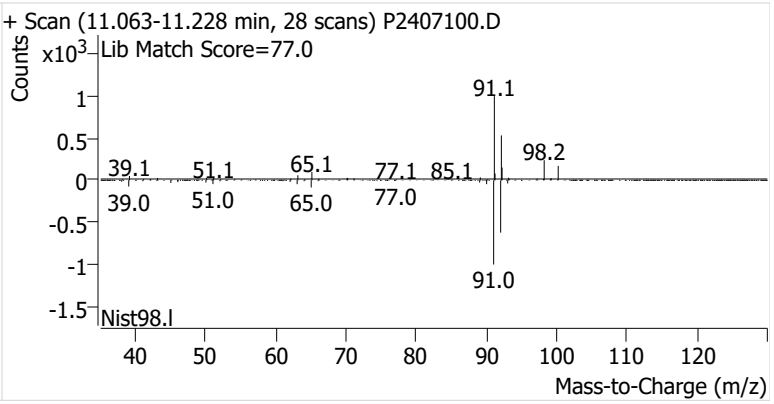
Toluene-d8 (IS)



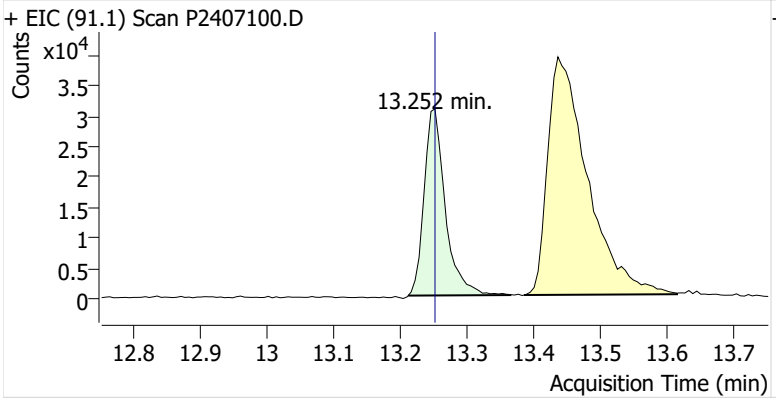


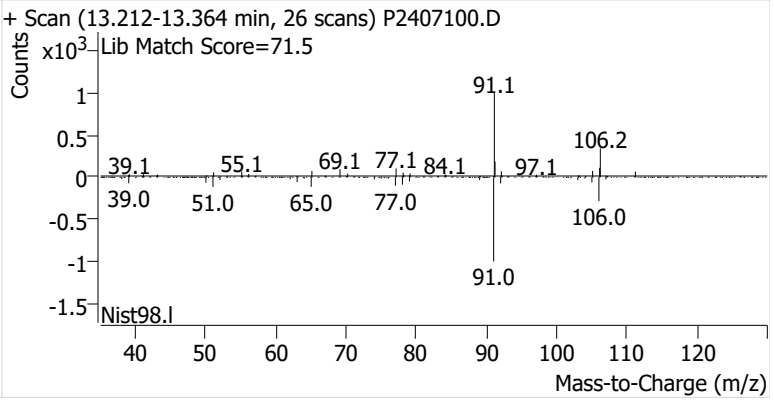
Toluene



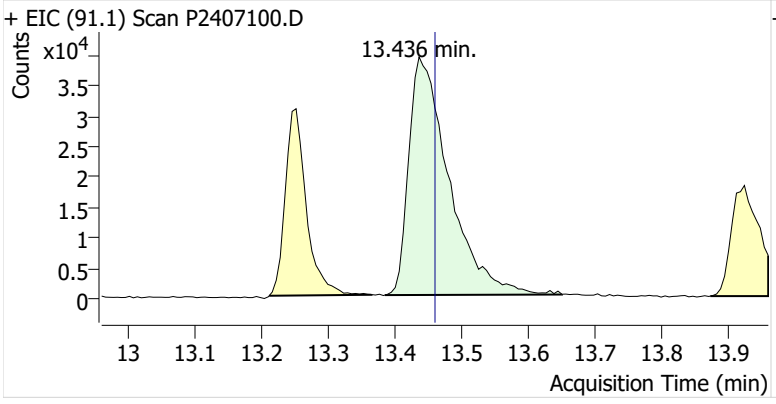


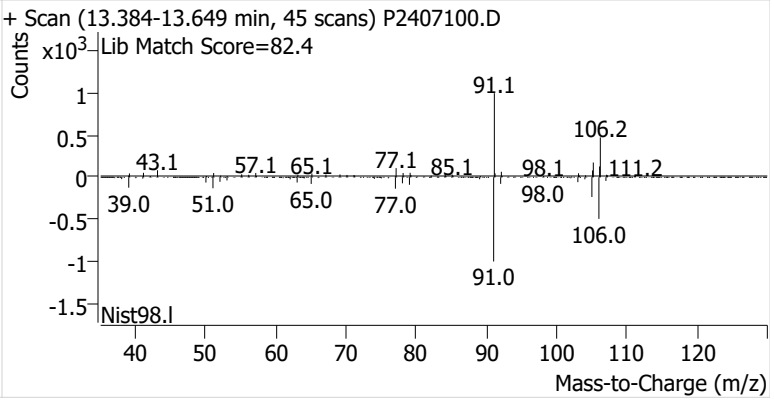
Ethylbenzene



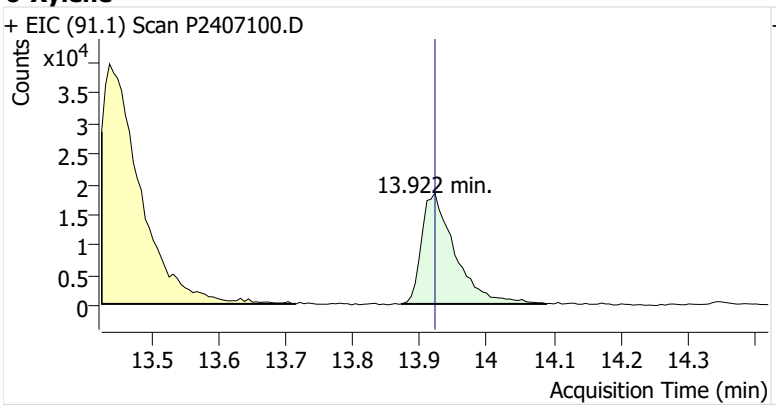


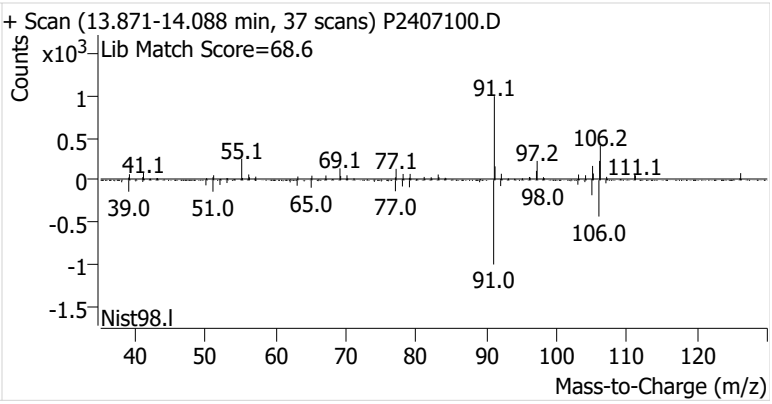
m-/p-Xylenes





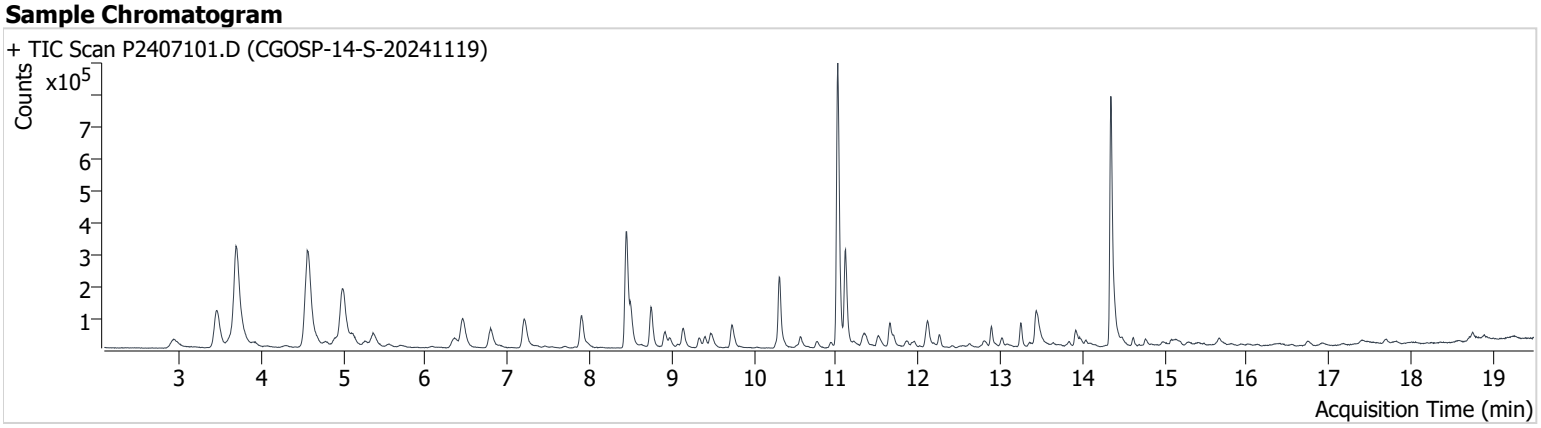
o-Xylene


+ EIC (91.1) Scan P2407100.D
Counts
x10^4
3.5
3
2.5
2
1.5
1
0.5
0
13.922 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.871-14.088 min, 37 scans) P2407100.D
Counts
x10^3
Lib Match Score=68.6
1
0.5
0
-0.5
-1
-1.5
91.1
106.2
41.1
55.1
69.1
77.1
97.2
111.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

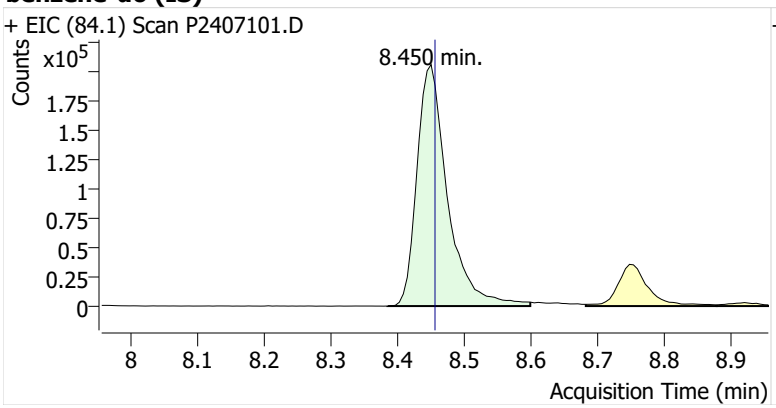
Name	CGOSP-14-S-20241119
Comment	B30885
Data File	P2407101.D
Acq. Date-Time	12/10/2024 3:40:44 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

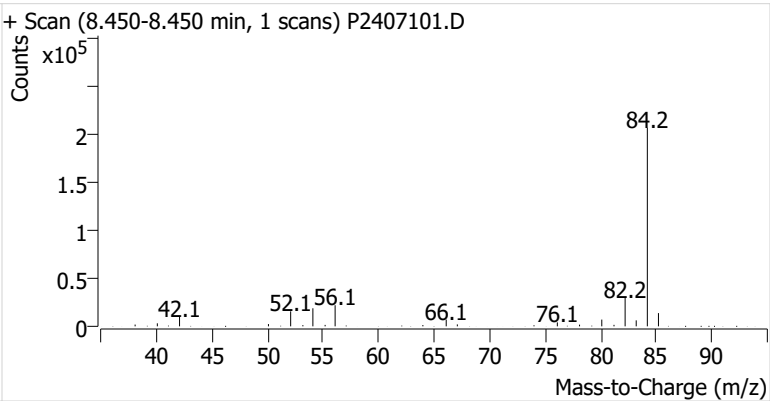
Sample Chromatogram



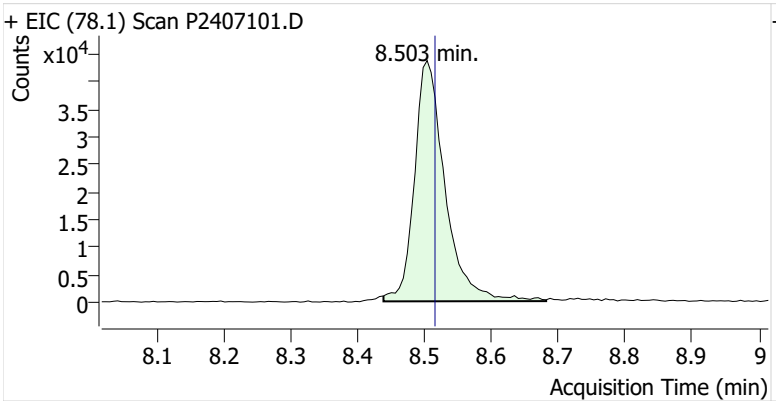
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.450	8.456	654,391	
Benzene	benzene-d6 (IS)	8.503	8.515	138,860	
Toluene-d8 (IS)		11.020	11.032	931,207	
Toluene	Toluene-d8 (IS)	11.115	11.121	330,282	
Ethylbenzene	Toluene-d8 (IS)	13.252	13.252	70,851	
m-/p-Xylenes	Toluene-d8 (IS)	13.442	13.459	156,949	
o-Xylene	Toluene-d8 (IS)	13.916	13.922	63,476	

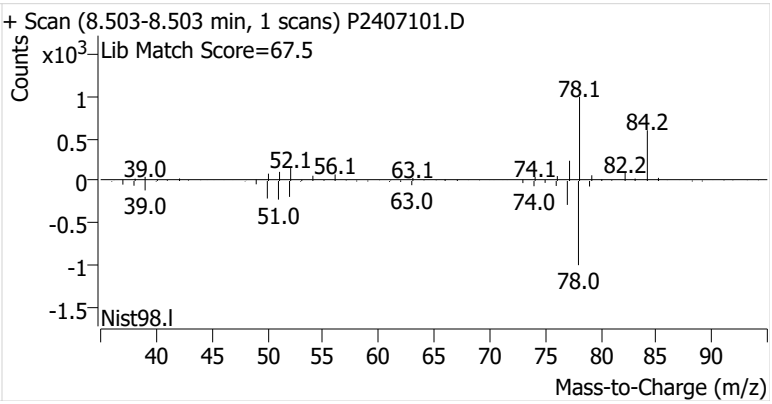
benzene-d6 (IS)



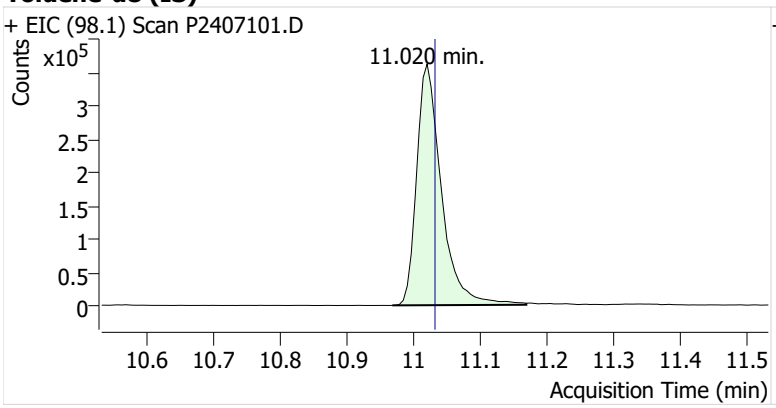


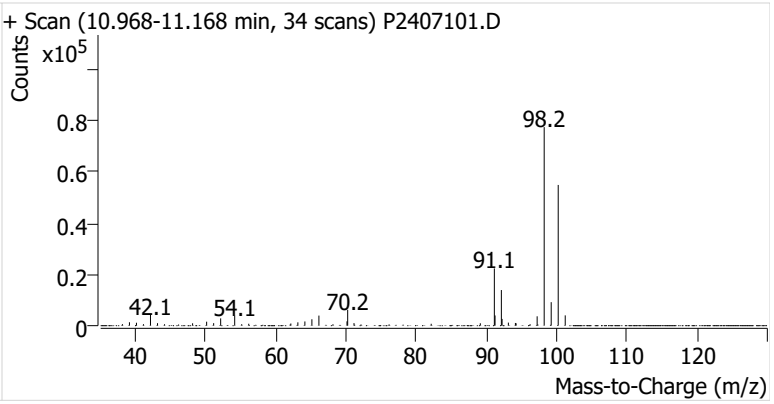
Benzene



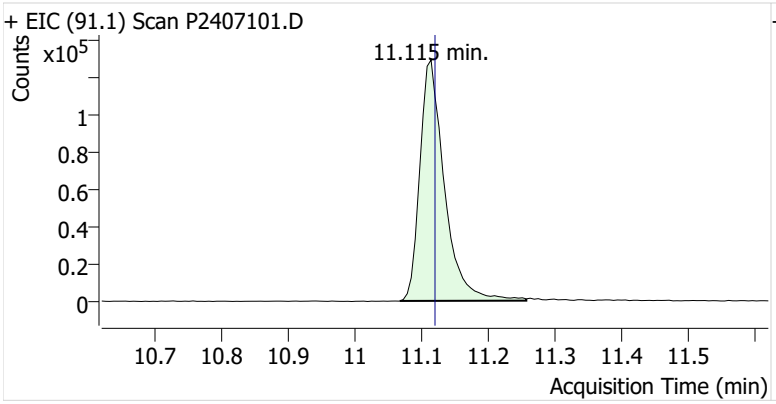


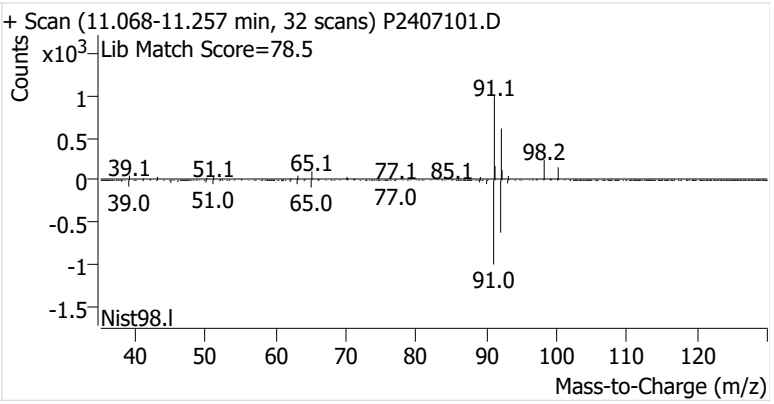
Toluene-d8 (IS)



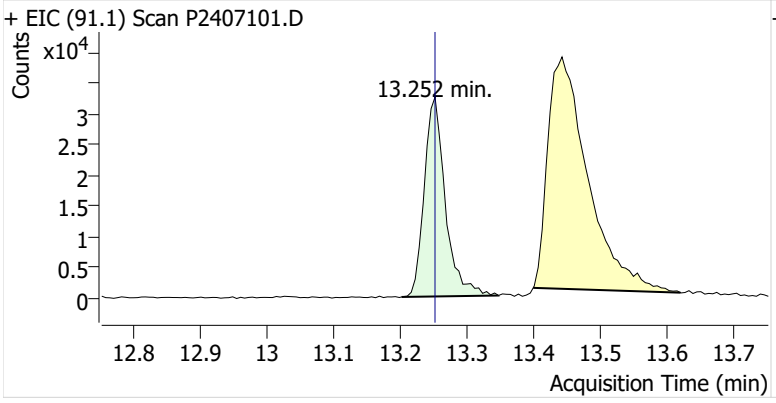


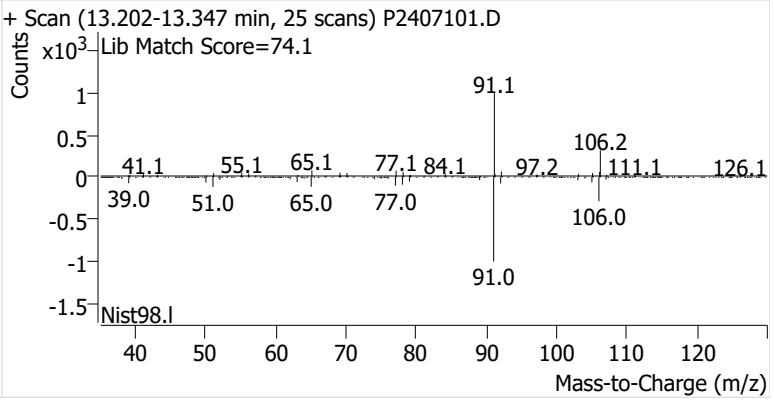
Toluene



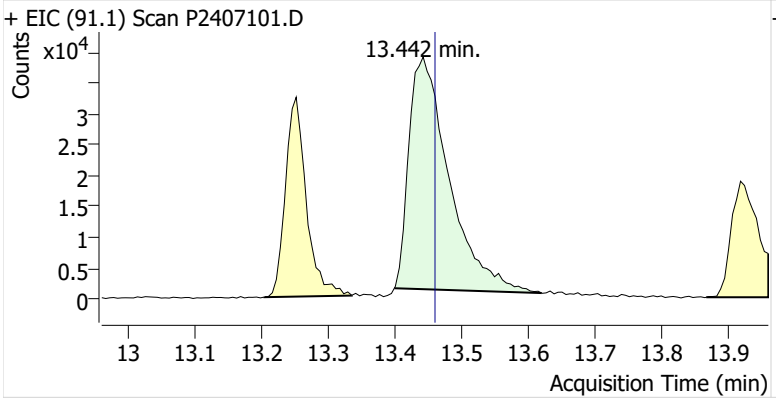


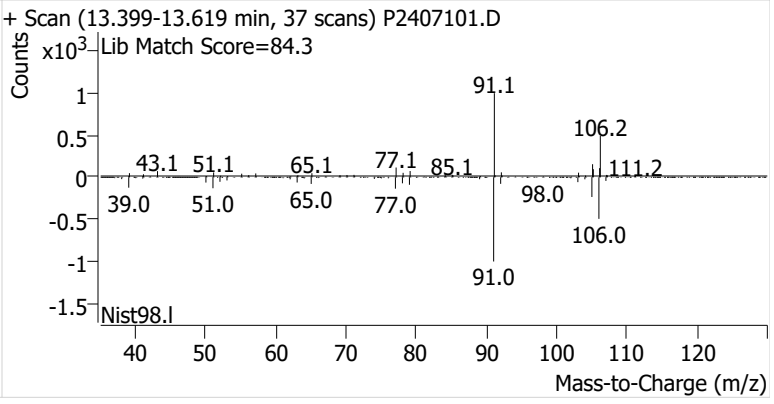
Ethylbenzene



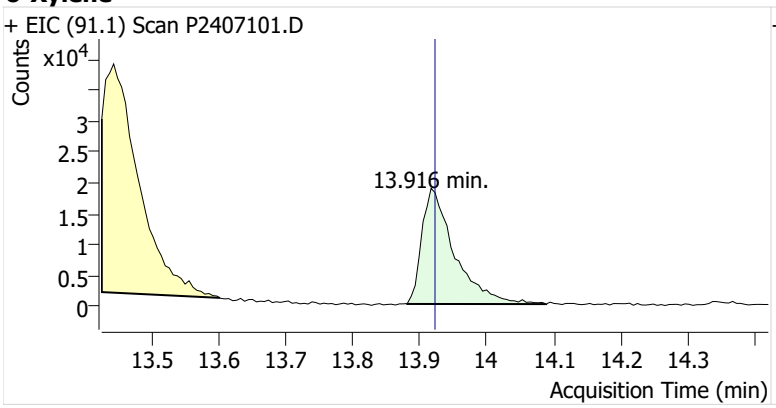


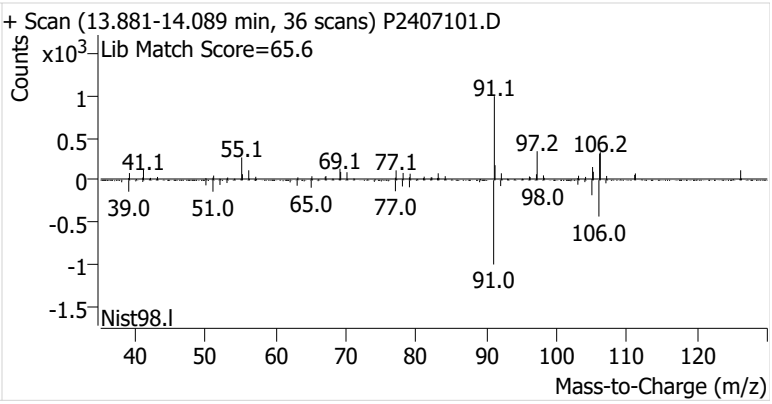
m-/p-Xylenes





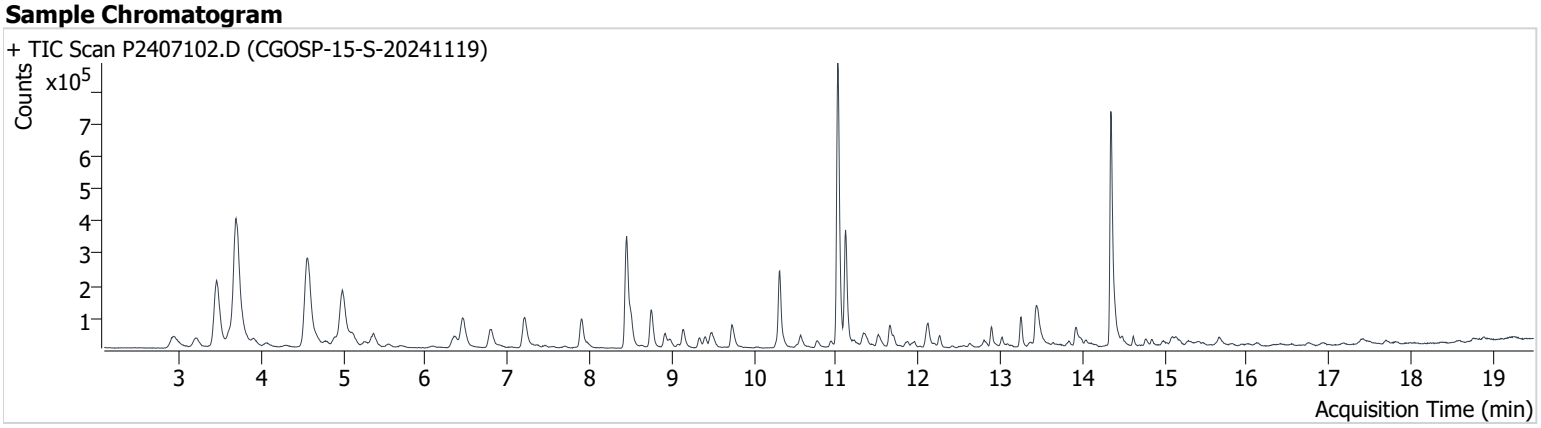
o-Xylene


+ EIC (91.1) Scan P2407101.D
Counts
x10^4
3
2.5
2
1.5
1
0.5
0
13.916 min.
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3
Acquisition Time (min)


+ Scan (13.881-14.089 min, 36 scans) P2407101.D
Lib Match Score=65.6
Counts
x10^3
1
0.5
0
-0.5
-1
-1.5
91.1
41.1
55.1
69.1
77.1
97.2
106.2
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

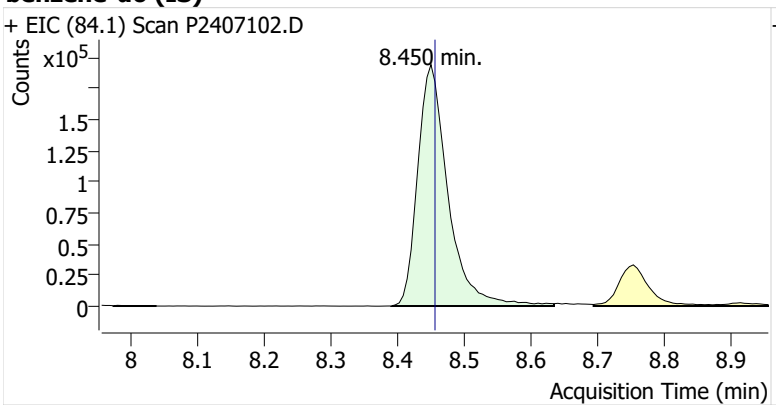
Name	CGOSP-15-S-20241119
Comment	B27830
Data File	P2407102.D
Acq. Date-Time	12/10/2024 4:17:59 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

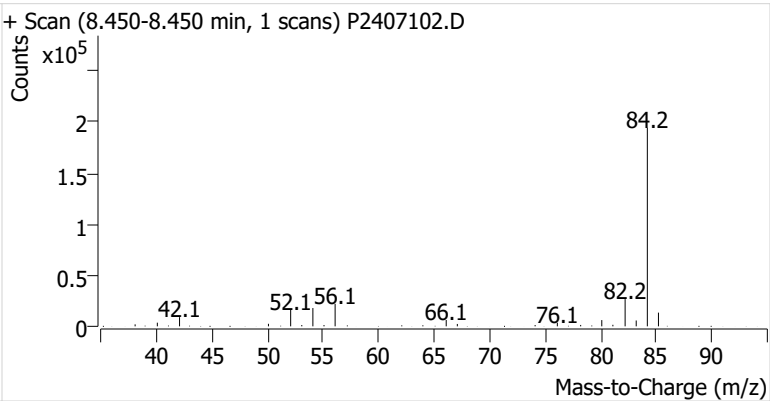
Sample Chromatogram



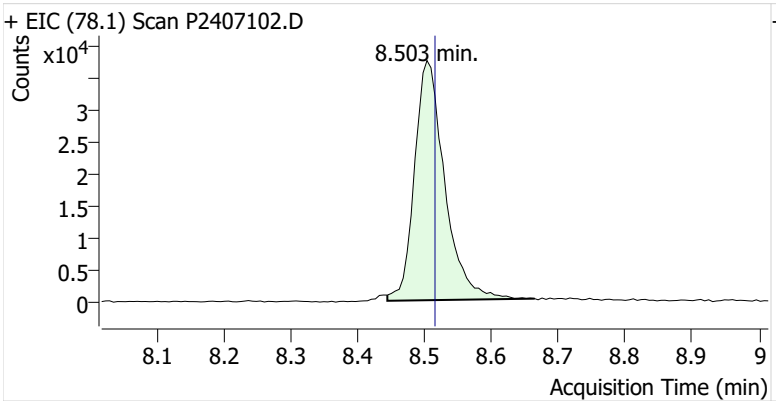
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.450	8.456	611,089	
Benzene	benzene-d6 (IS)	8.503	8.515	117,426	
Toluene-d8 (IS)		11.020	11.032	909,063	
Toluene	Toluene-d8 (IS)	11.115	11.121	388,528	
Ethylbenzene	Toluene-d8 (IS)	13.252	13.252	89,589	
m-/p-Xylenes	Toluene-d8 (IS)	13.441	13.459	199,458	
o-Xylene	Toluene-d8 (IS)	13.922	13.922	72,827	

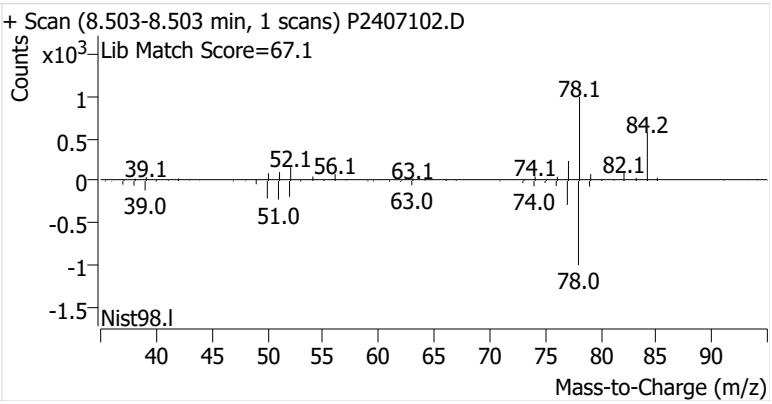
benzene-d6 (IS)



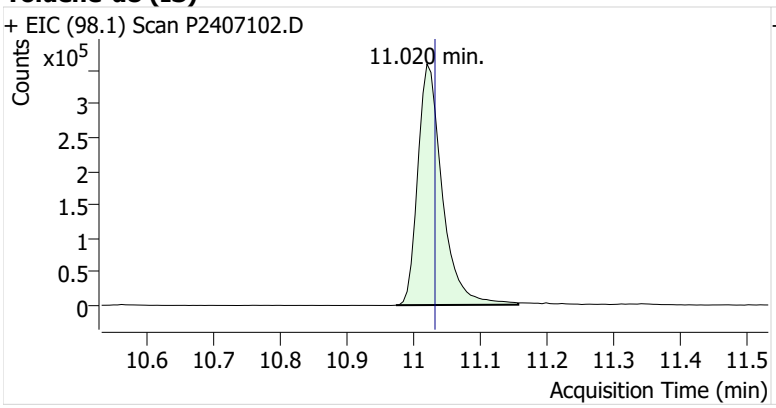


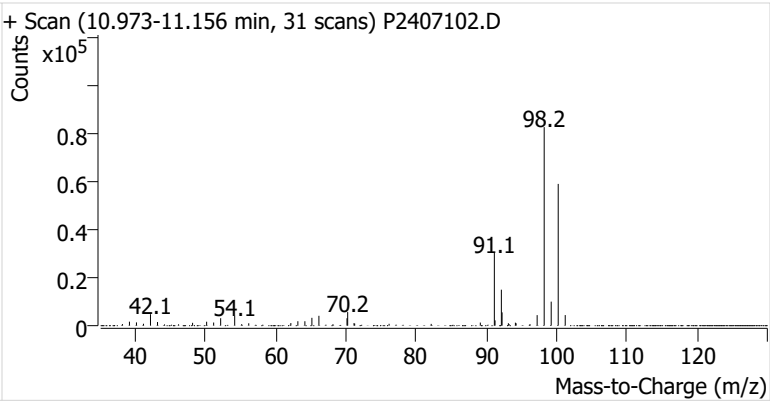
Benzene



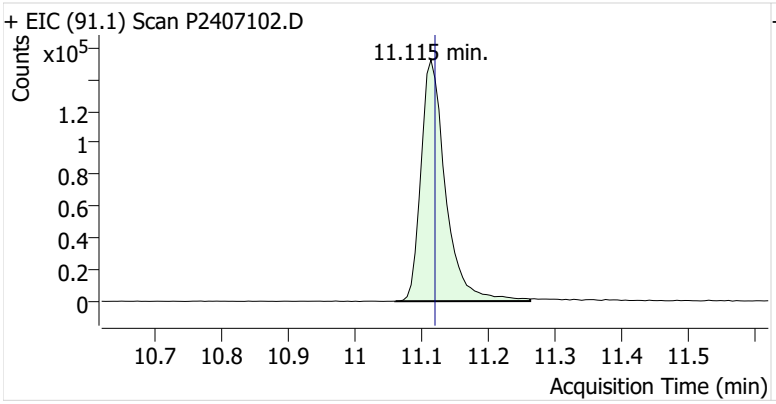


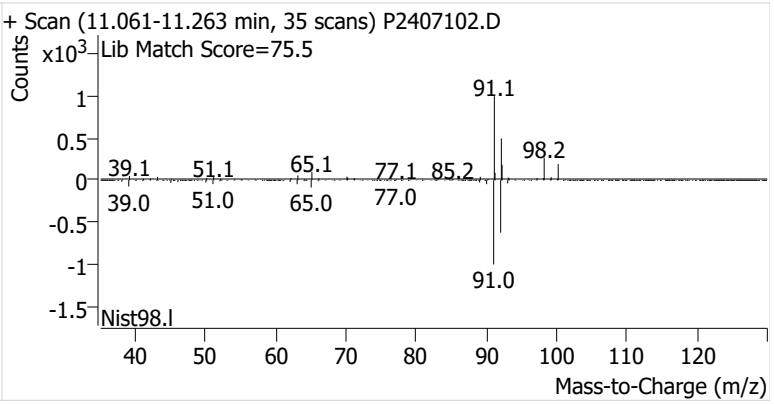
Toluene-d8 (IS)



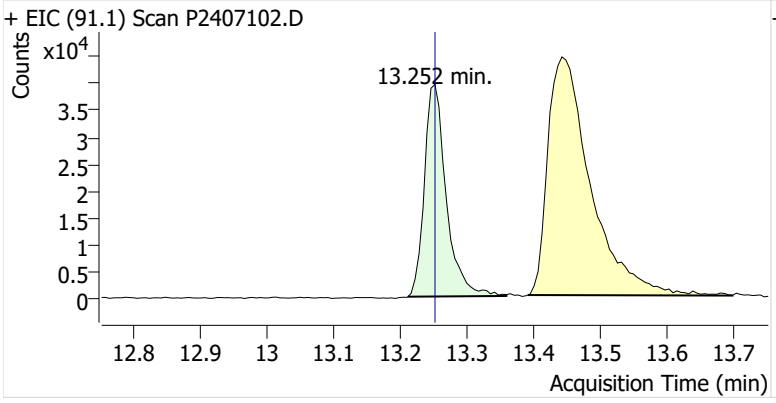


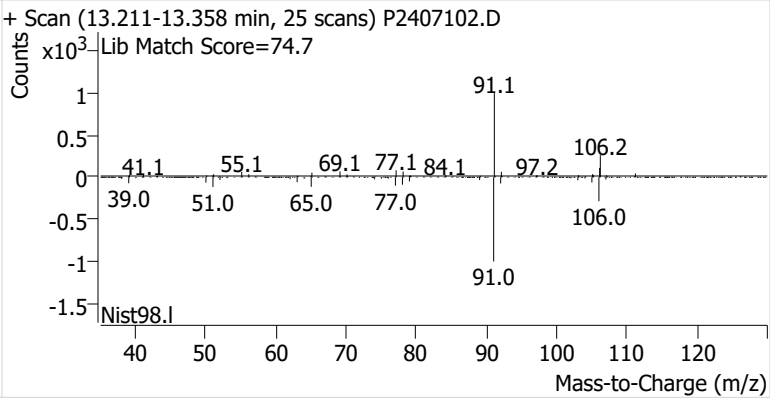
Toluene



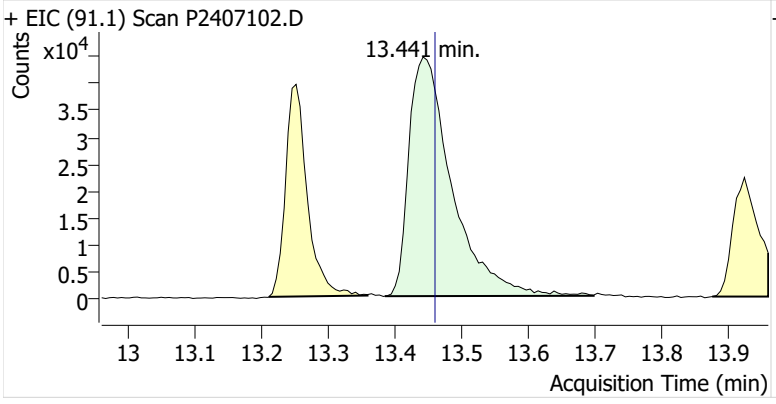


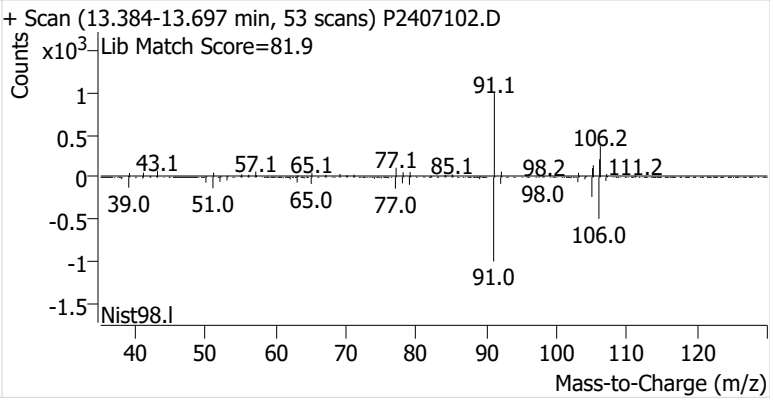
Ethylbenzene



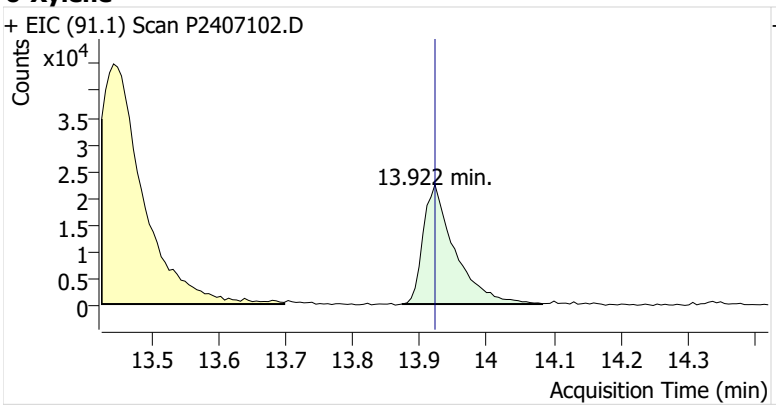


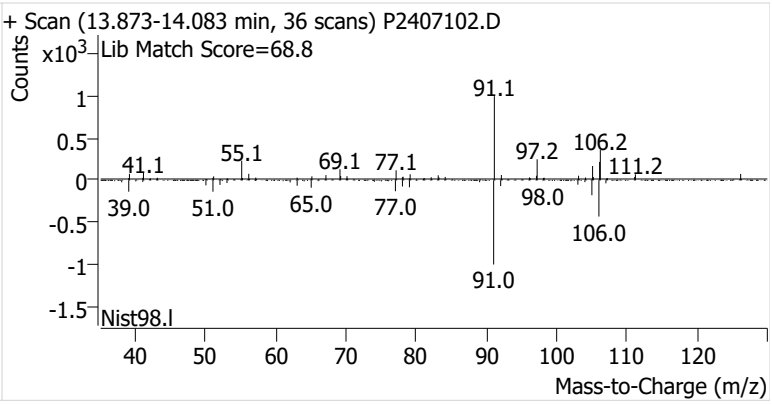
m-/p-Xylenes





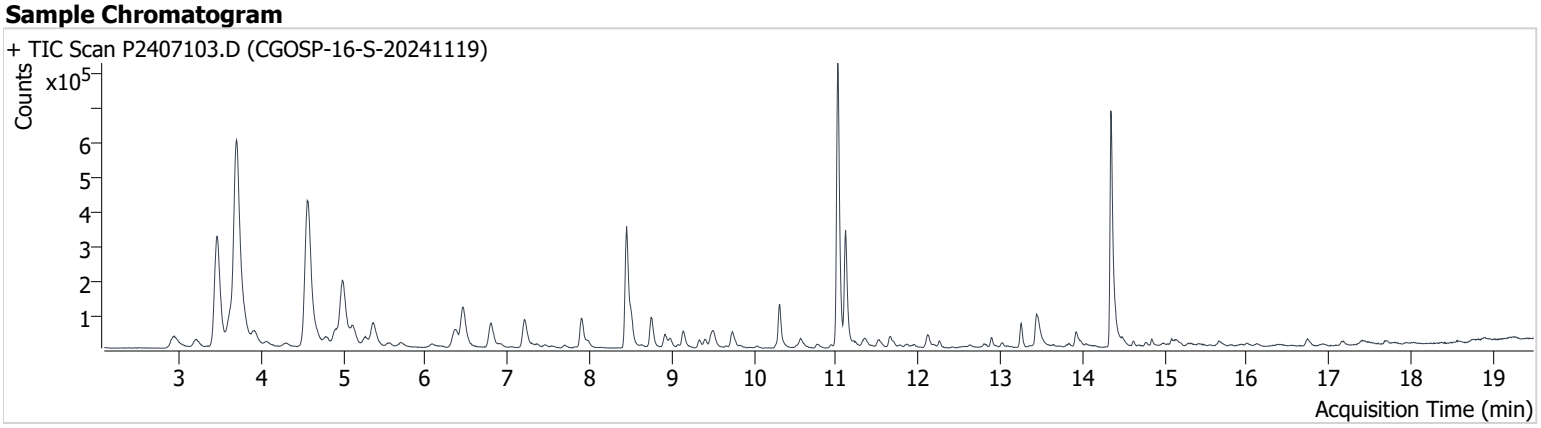
o-Xylene


+ EIC (91.1) Scan P2407102.D
Counts
x10^4
3.5
3
2.5
2
1.5
1
0.5
0
13.922 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.873-14.083 min, 36 scans) P2407102.D
Counts
x10^3
Lib Match Score=68.8
1
0.5
0
-0.5
-1
-1.5
91.1
41.1
55.1
69.1
77.1
97.2
106.2
111.2
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

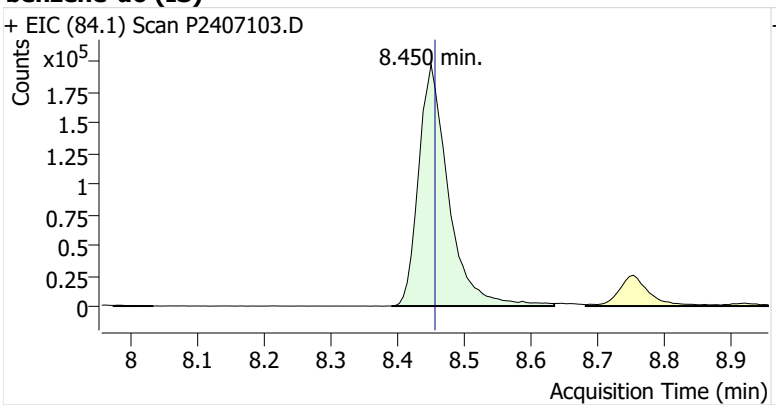
Name	CGOSP-16-S-20241119
Comment	B27207
Data File	P2407103.D
Acq. Date-Time	12/10/2024 4:55:13 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

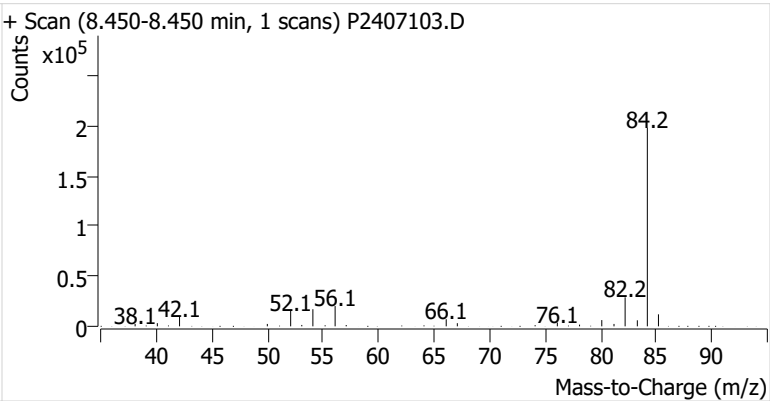
Sample Chromatogram



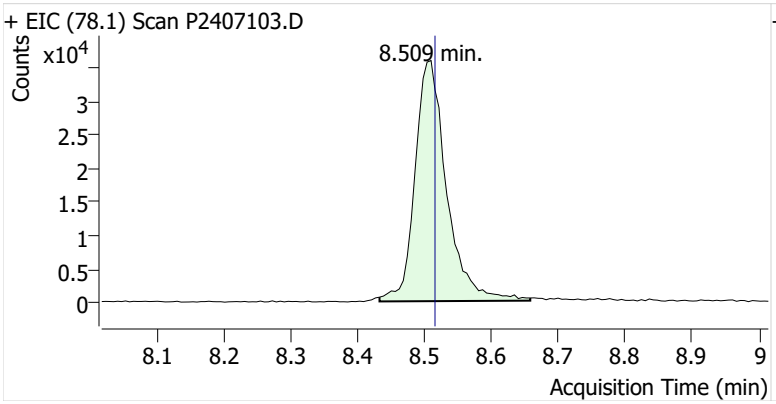
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.450	8.456	613,190	
Benzene	benzene-d6 (IS)	8.509	8.515	118,536	
Toluene-d8 (IS)		11.020	11.032	867,911	
Toluene	Toluene-d8 (IS)	11.115	11.121	353,580	
Ethylbenzene	Toluene-d8 (IS)	13.252	13.252	69,472	
m-/p-Xylenes	Toluene-d8 (IS)	13.442	13.459	153,680	
o-Xylene	Toluene-d8 (IS)	13.922	13.922	56,817	

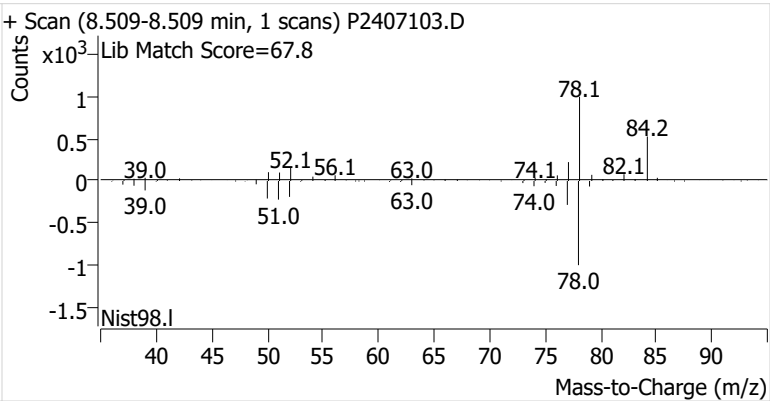
benzene-d6 (IS)



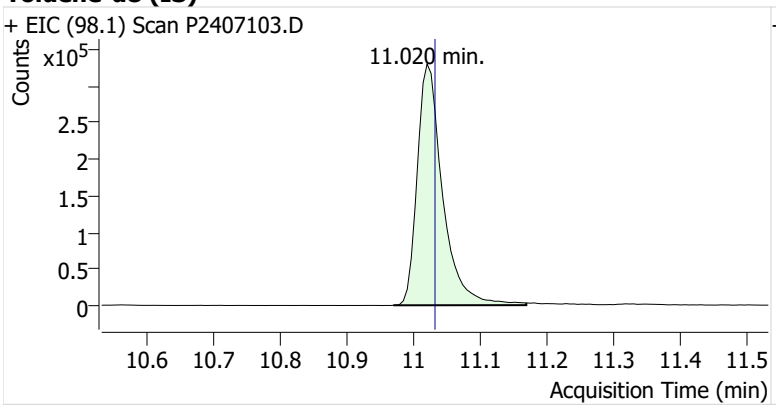


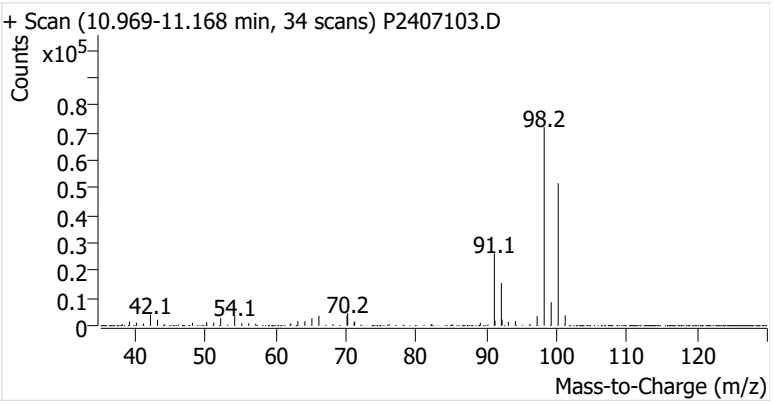
Benzene



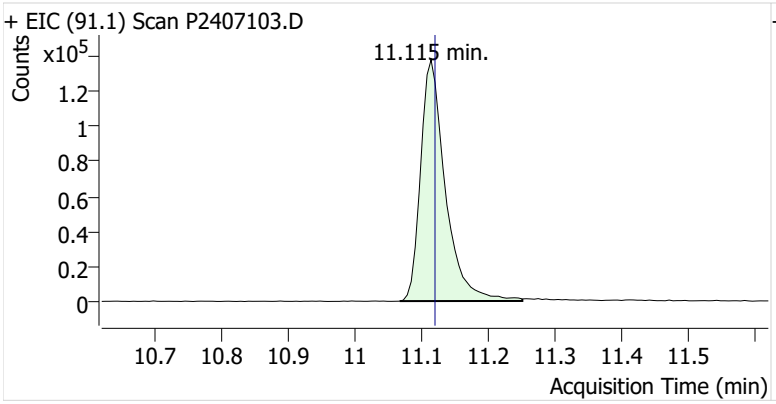


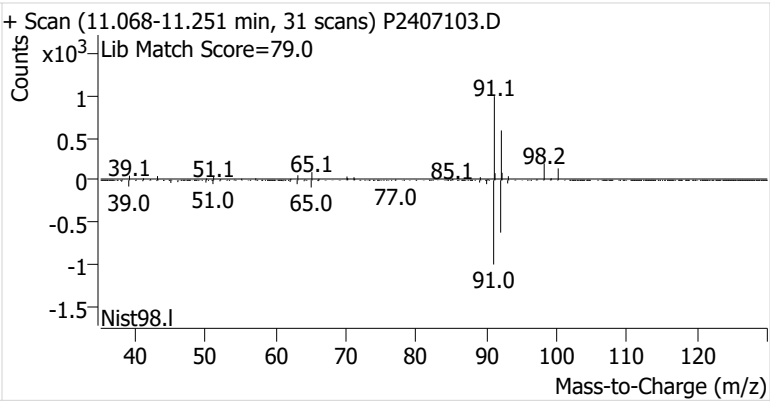
Toluene-d8 (IS)



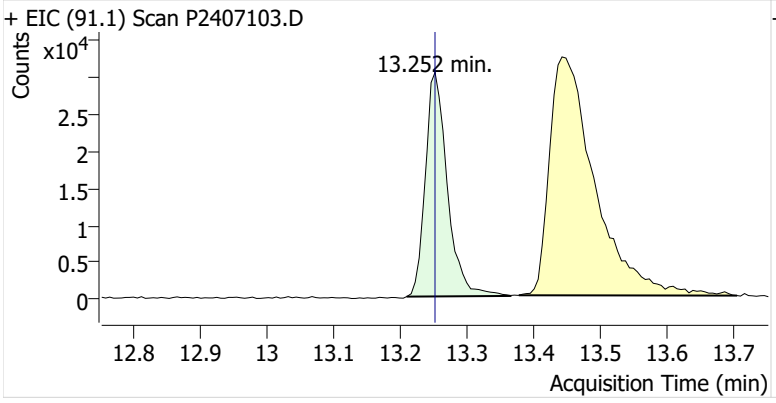


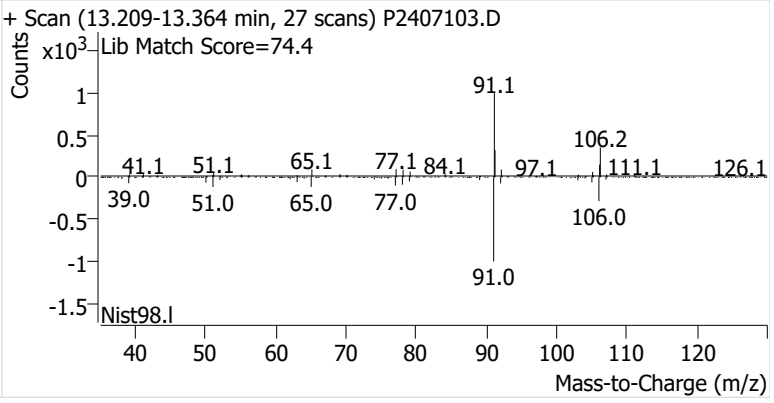
Toluene



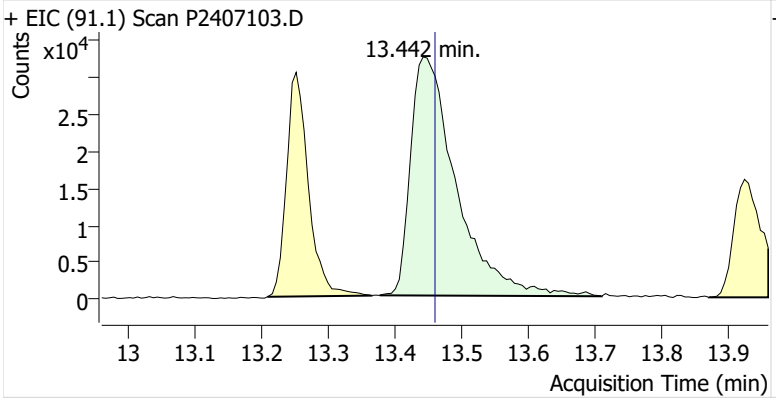


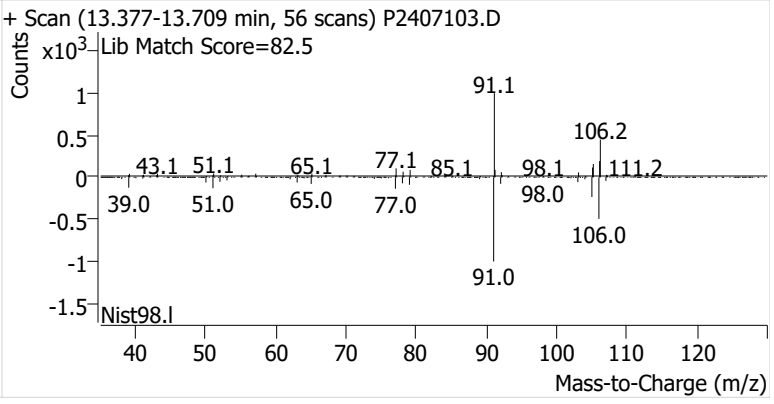
Ethylbenzene



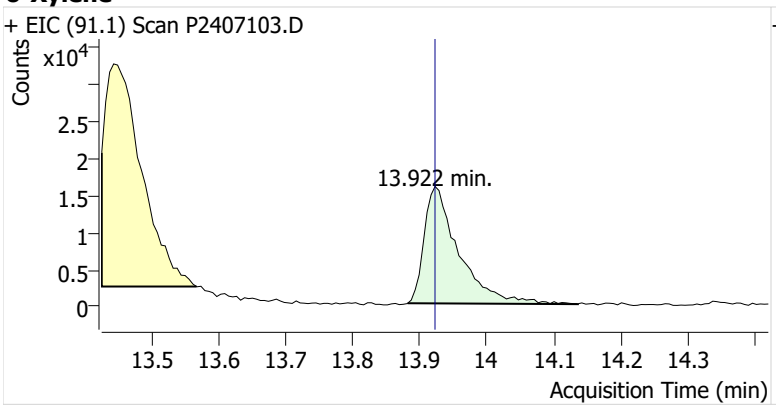


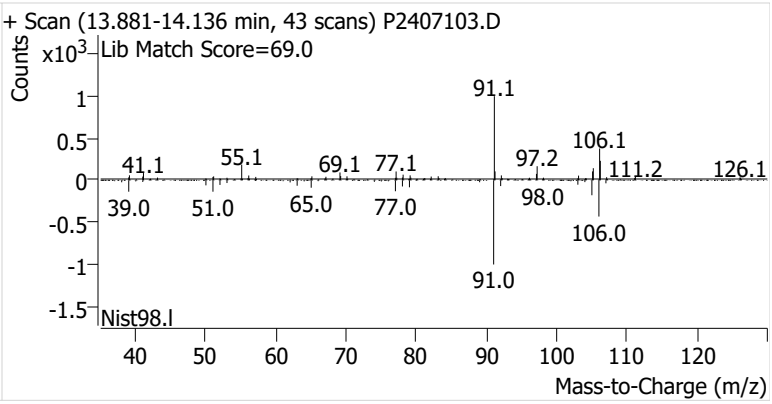
m-/p-Xylenes





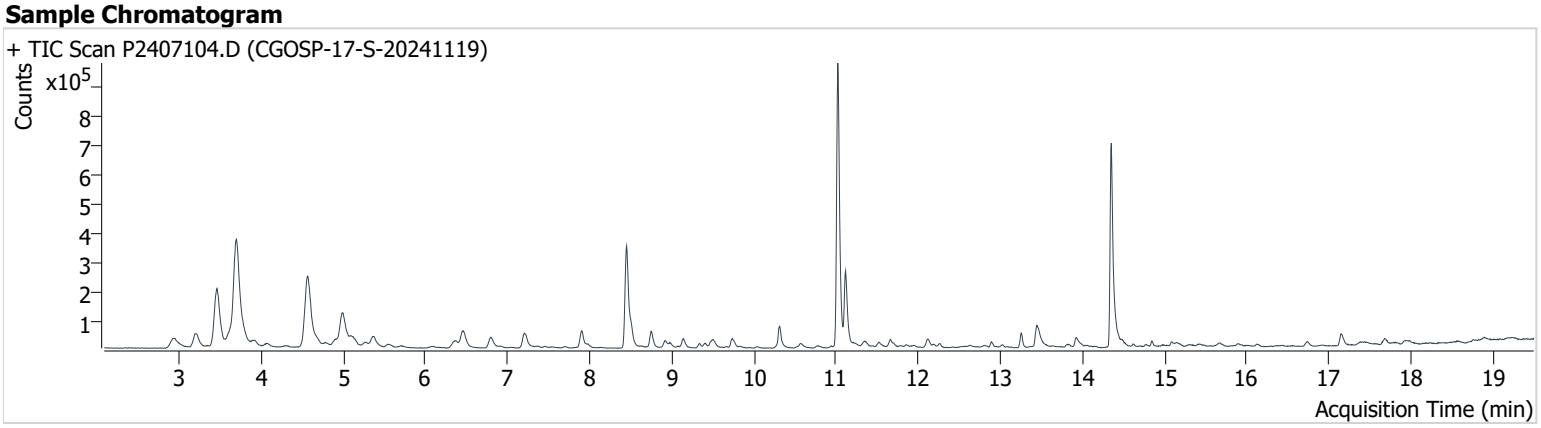
o-Xylene


+ EIC (91.1) Scan P2407103.D
Counts
x10^4
2.5
2
1.5
1
0.5
0
13.922 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.881-14.136 min, 43 scans) P2407103.D
Lib Match Score=69.0
Counts
x10^3
1
0.5
0
-0.5
-1
-1.5
91.1
106.1
41.1
55.1
69.1
77.1
97.2
111.2
126.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

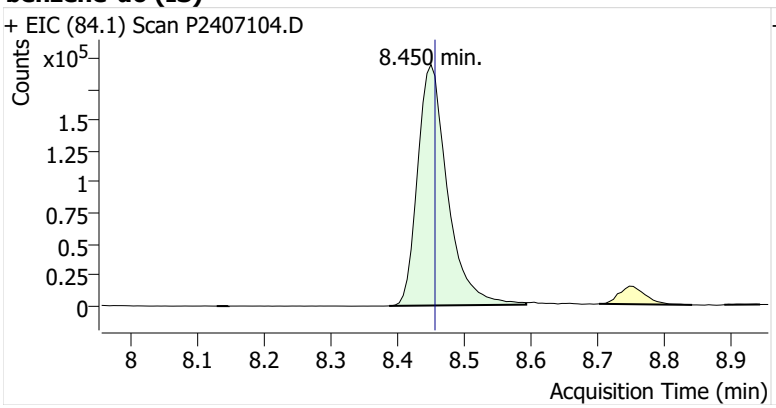
Name	CGOSP-17-S-20241119
Comment	C24240
Data File	P2407104.D
Acq. Date-Time	12/10/2024 5:32:26 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

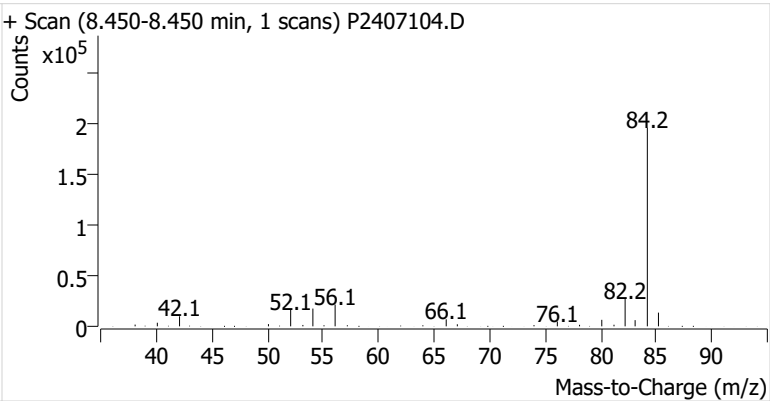
Sample Chromatogram



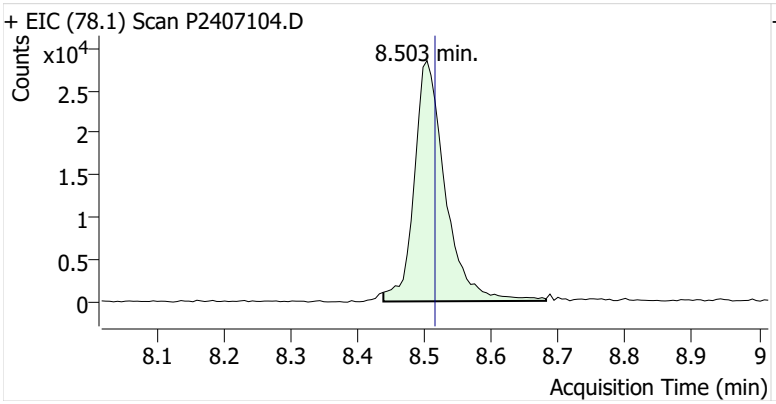
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.450	8.456	602,787	
Benzene	benzene-d6 (IS)	8.503	8.515	91,424	
Toluene-d8 (IS)		11.020	11.032	1,014,933	
Toluene	Toluene-d8 (IS)	11.115	11.121	272,322	
Ethylbenzene	Toluene-d8 (IS)	13.252	13.252	48,098	
m-/p-Xylenes	Toluene-d8 (IS)	13.441	13.459	121,041	
o-Xylene	Toluene-d8 (IS)	13.922	13.922	45,168	

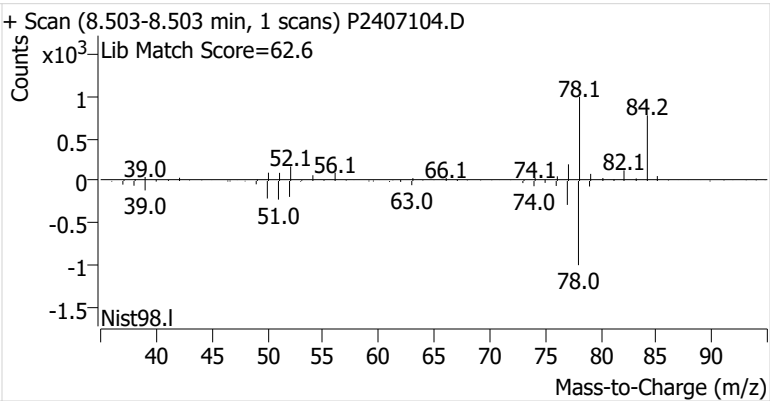
benzene-d6 (IS)



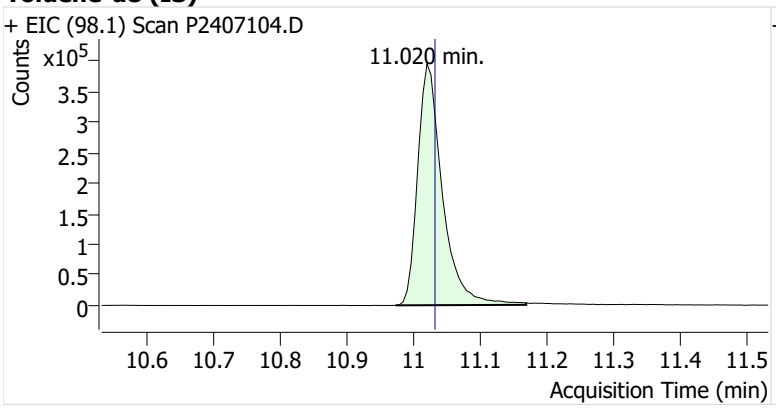


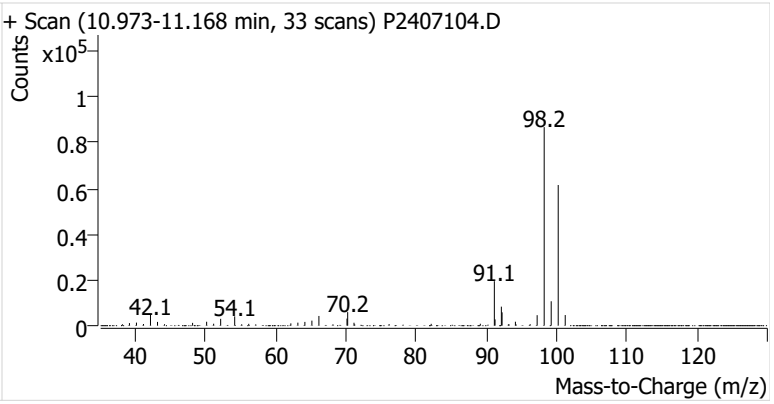
Benzene



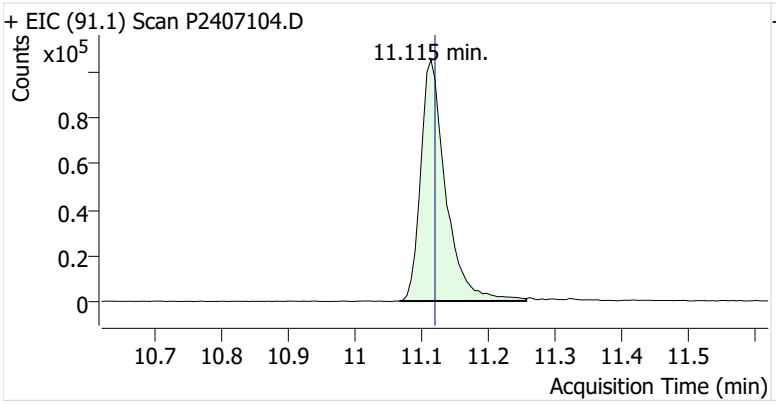


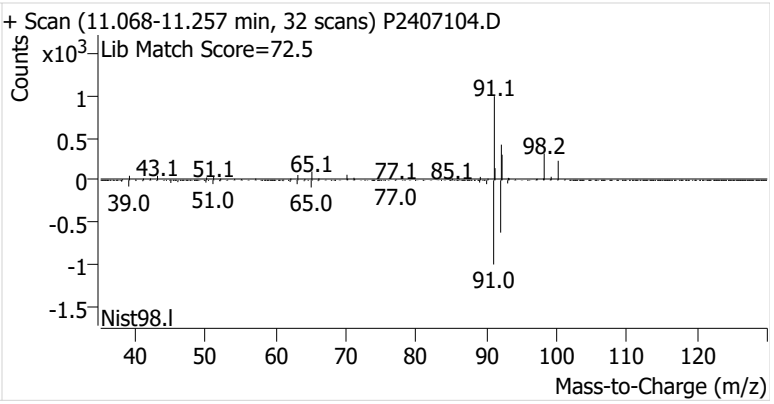
Toluene-d8 (IS)



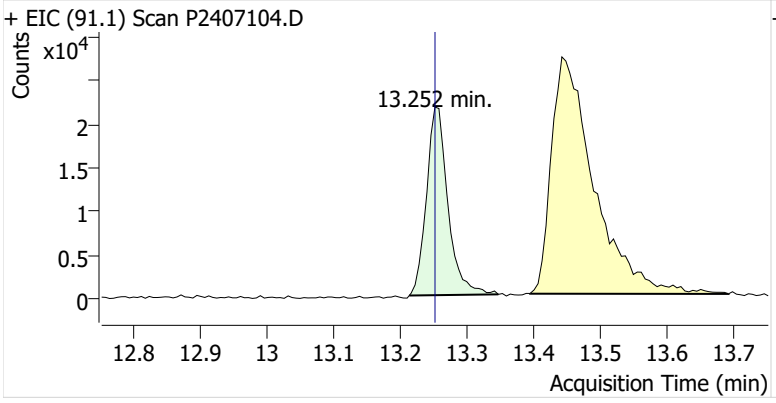


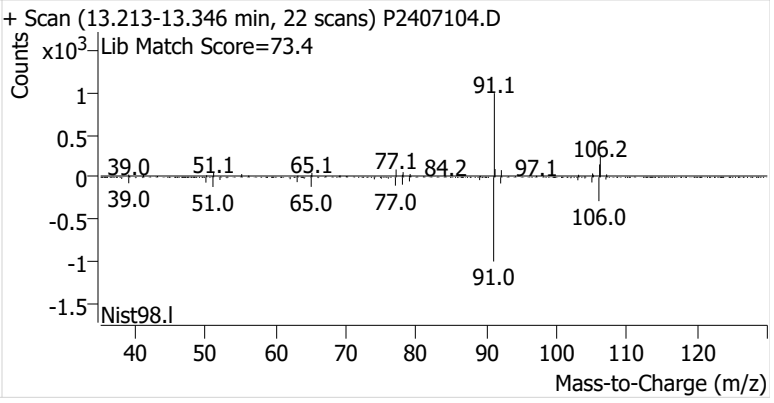
Toluene



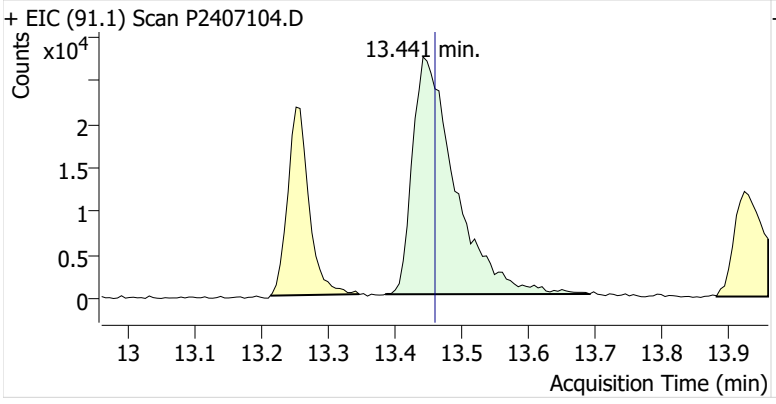


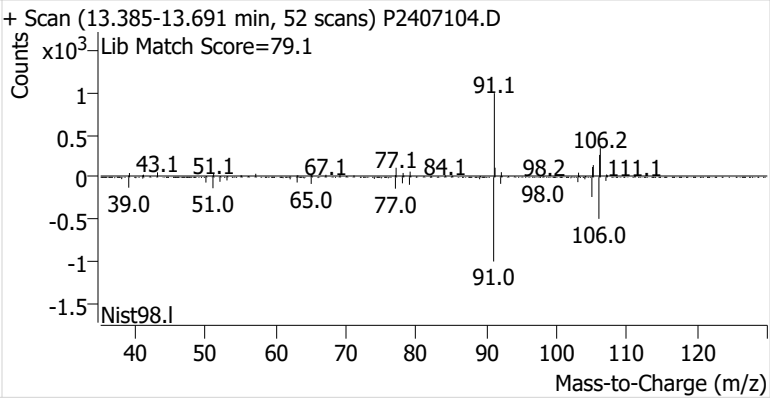
Ethylbenzene



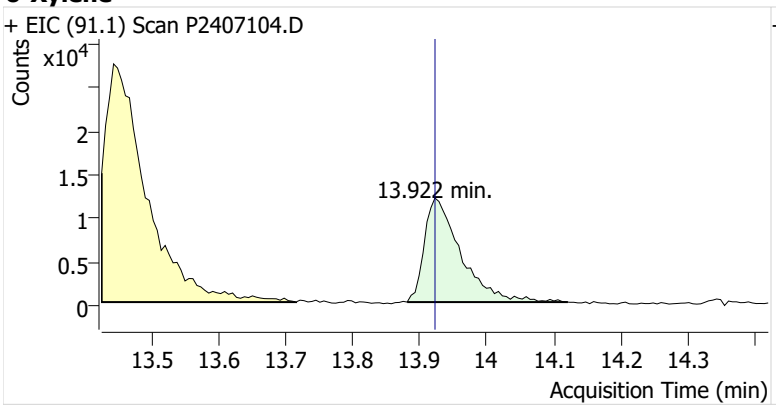


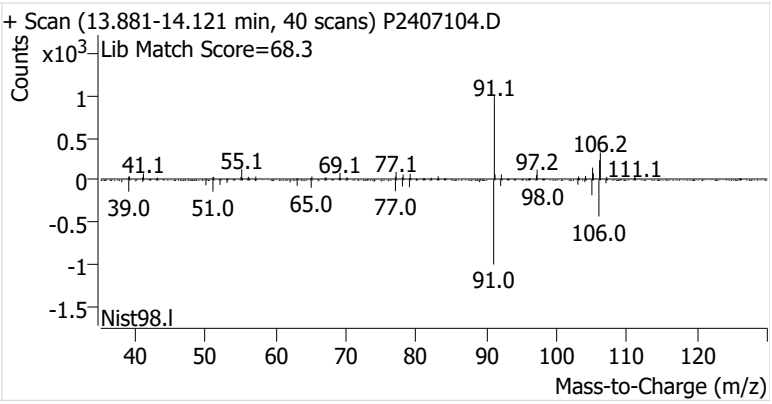
m-/p-Xylenes





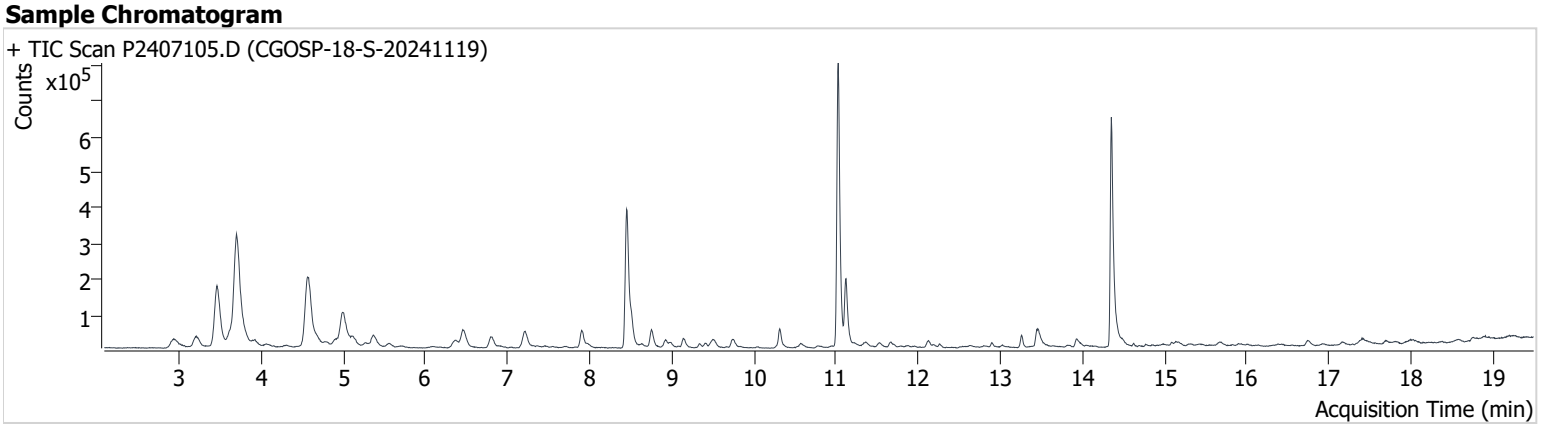
o-Xylene


+ EIC (91.1) Scan P2407104.D
Counts
x10^4
2
1.5
1
0.5
0
13.922 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.881-14.121 min, 40 scans) P2407104.D
Counts
x10^3
Lib Match Score=68.3
1
0.5
0
-0.5
-1
-1.5
91.1
41.1
55.1
69.1
77.1
97.2
106.2
111.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

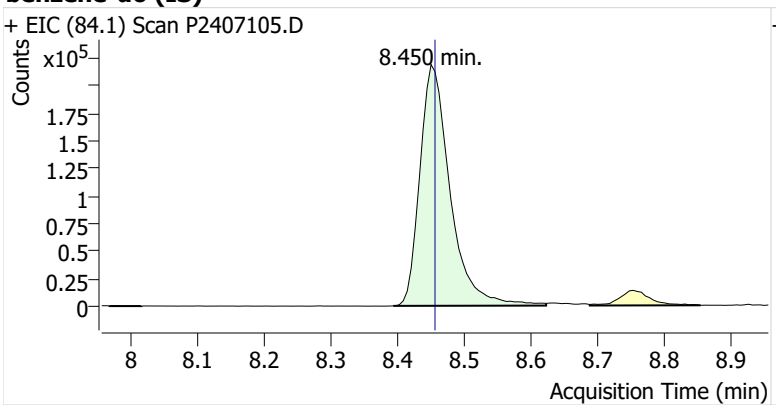
Name	CGOSP-18-S-20241119
Comment	B14136
Data File	P2407105.D
Acq. Date-Time	12/10/2024 6:09:41 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

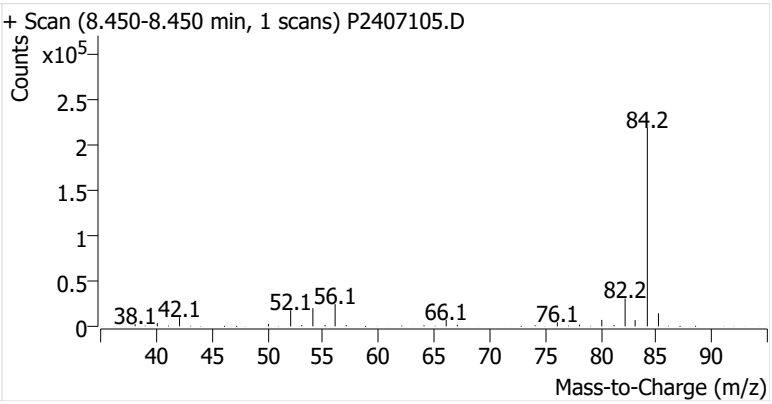
Sample Chromatogram



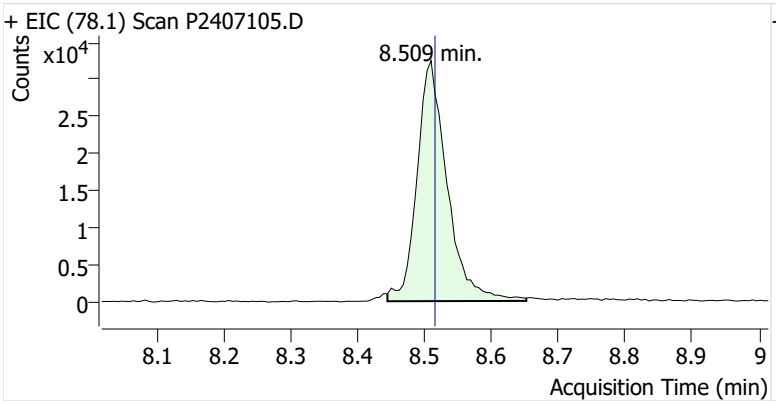
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.450	8.456	687,065	
Benzene	benzene-d6 (IS)	8.509	8.515	101,369	
Toluene-d8 (IS)		11.026	11.032	860,272	
Toluene	Toluene-d8 (IS)	11.121	11.121	205,984	
Ethylbenzene	Toluene-d8 (IS)	13.258	13.252	34,613	
m-/p-Xylenes	Toluene-d8 (IS)	13.453	13.459	88,465	
o-Xylene	Toluene-d8 (IS)	13.928	13.922	32,276	

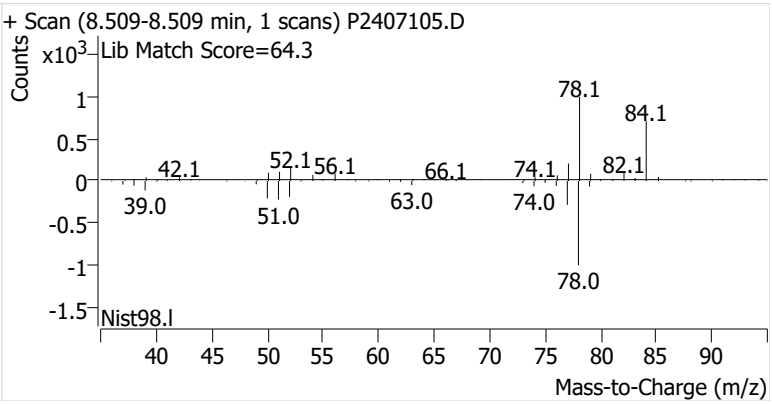
benzene-d6 (IS)



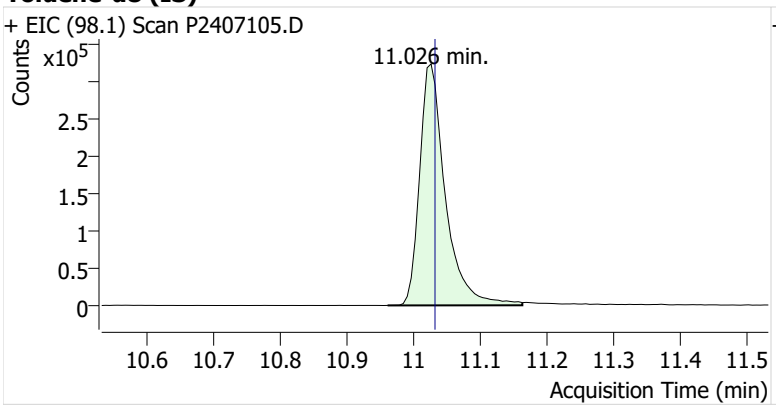


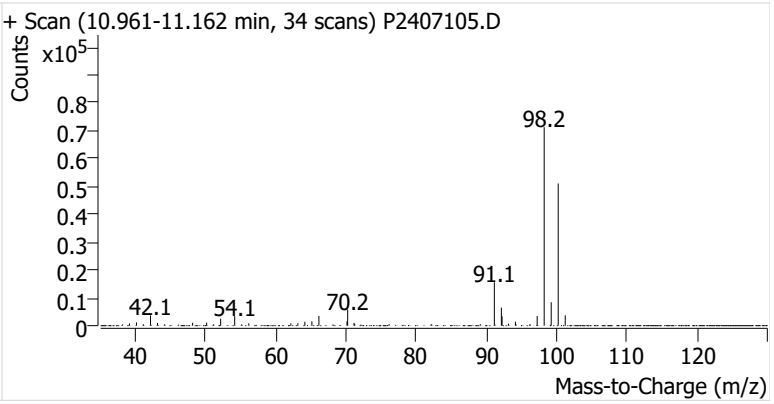
Benzene



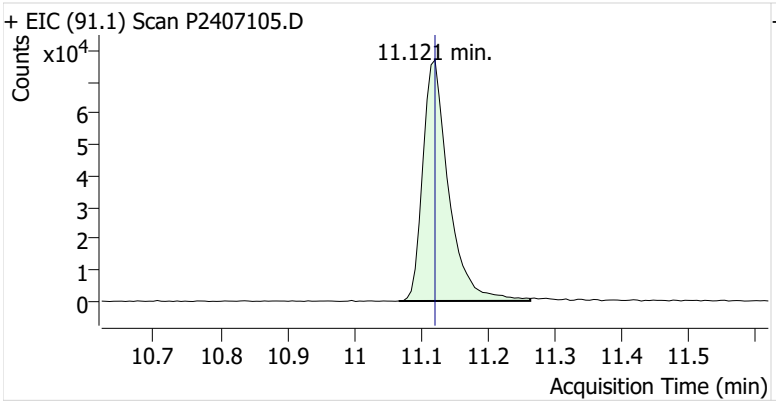


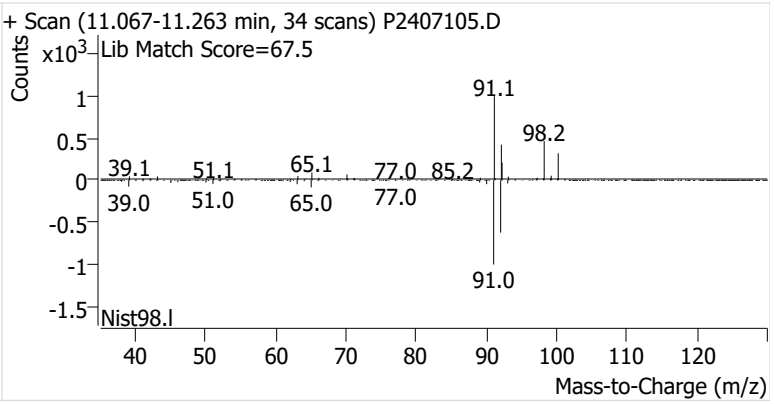
Toluene-d8 (IS)



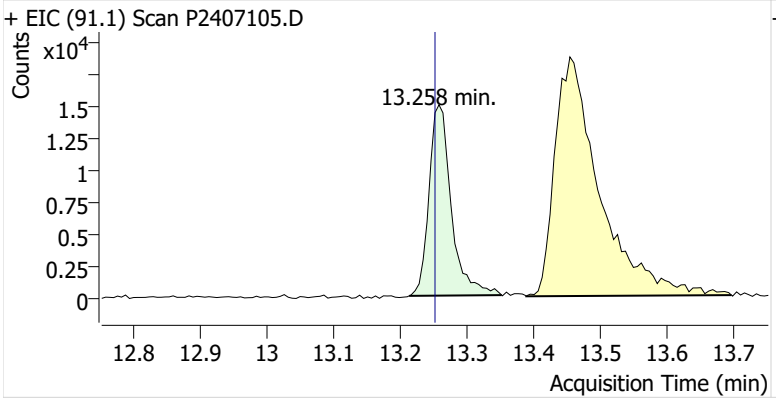


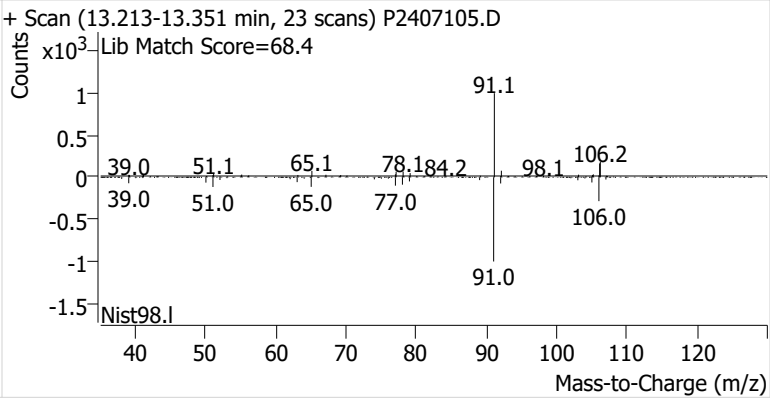
Toluene



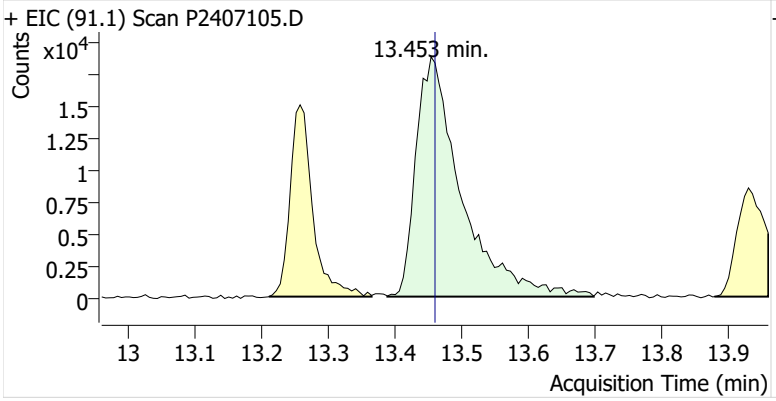


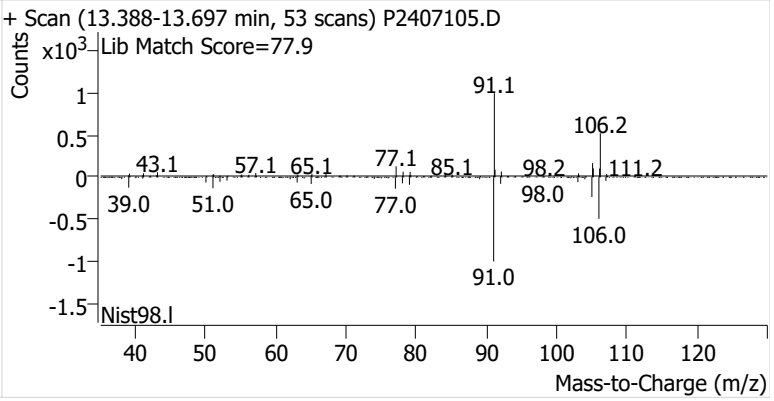
Ethylbenzene



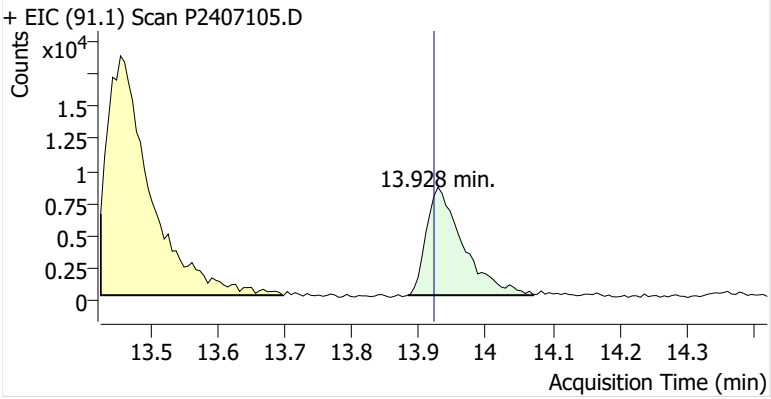


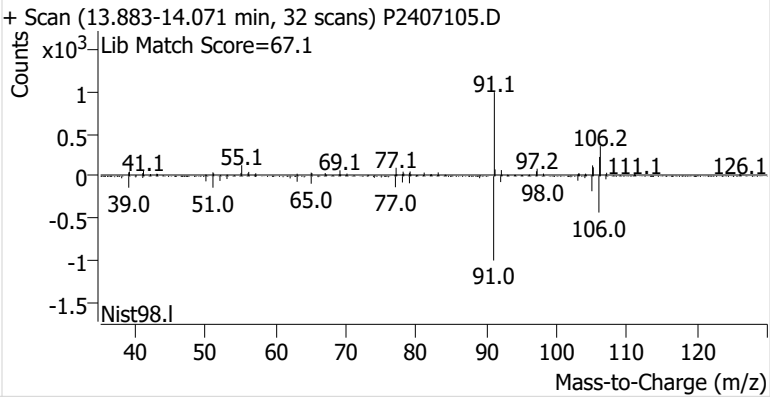
m-/p-Xylenes





o-Xylene


+ EIC (91.1) Scan P2407105.D
Counts
x10^4
1.5
1.25
1
0.75
0.5
0.25
0
13.928 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.883-14.071 min, 32 scans) P2407105.D
Counts
x10^3
Lib Match Score=67.1
1
0.5
0
-0.5
-1
-1.5
91.1
106.2
41.1
55.1
69.1
77.1
97.2
111.1
126.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

Calibration Summary Reports

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP405-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Benzene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	0.874	0.979	0.874	-11%	-18%		Pass	
2024FP405_Method Blank	Blank		0.979	0.874			1.9%	Pass	ND
M325B CCV 5 REC	Check	0.913	0.979	0.874	-6.8%		4.2%	Pass	
M325B CCV 5 REC	Check	0.887	0.979	0.874	-9.5%		2.8%	Pass	

Ethylbenzene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	0.996	0.951	0.996	4.7%	-17%		Pass	
2024FP405_Method Blank	Blank		0.951	0.996			6.1%	Pass	ND
M325B CCV 5 REC	Check	0.993	0.951	0.996	4.5%		-6.4%	Pass	
M325B CCV 5 REC	Check	1.171	0.951	0.996	23%		-14%	Pass	

m-/p-Xylenes Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	0.696	0.677	0.696	2.9%	-17%		Pass	
2024FP405_Method Blank	Blank		0.677	0.696			6.1%	Pass	ND
M325B CCV 5 REC	Check	0.722	0.677	0.696	6.6%		-6.4%	Pass	
M325B CCV 5 REC	Check	0.804	0.677	0.696	19%		-14%	Pass	

o-Xylene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	0.776	0.720	0.776	7.8%	-17%		Pass	
2024FP405_Method Blank	Blank		0.720	0.776			6.1%	Pass	ND
M325B CCV 5 REC	Check	0.804	0.720	0.776	12%		-6.4%	Pass	
M325B CCV 5 REC	Check	0.900	0.720	0.776	25%		-14%	Pass	

Toluene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	0.861	0.898	0.861	-4.1%	-17%		Pass	
2024FP405_Method Blank	Blank		0.898	0.861			6.1%	Pass	ND
M325B CCV 5 REC	Check	1.023	0.898	0.861	14%		-6.4%	Pass	
M325B CCV 5 REC	Check	0.960	0.898	0.861	6.9%		-14%	Pass	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
P090624A_BTEX_R1.quantmethod.xml	Benzene	1	P2404977.D	5.19	53200	91.7	825638	1.138	16%
P090624A_BTEX_R1.quantmethod.xml	Benzene	2	P2404978.D	10.38	91845	91.7	790527	1.026	4.8%
P090624A_BTEX_R1.quantmethod.xml	Benzene	3	P2404979.D	20.76	168704	91.7	766300	0.972	-0.72%
P090624A_BTEX_R1.quantmethod.xml	Benzene	4	P2404980.D	41.51	319641	91.7	739567	0.954	-2.5%
P090624A_BTEX_R1.quantmethod.xml	Benzene	5	P2404981.D	103.78	770808	91.7	741300	0.919	-6.2%
P090624A_BTEX_R1.quantmethod.xml	Benzene	6	P2404982.D	207.57	1506802	91.7	718096	0.927	-5.4%
P090624A_BTEX_R1.quantmethod.xml	Benzene	7	P2404983.D	622.70	4556203	91.7	729727	0.919	-6.1%
						Avg:	758736	0.979	
						%RSD:	5.0%	8.2%	
P090624A_BTEX_R1.quantmethod.xml	Ethylbenzene	1	P2404977.D	5.33	56151	108.1	1169254	0.974	2.4%
P090624A_BTEX_R1.quantmethod.xml	Ethylbenzene	2	P2404978.D	10.67	105621	108.1	1107038	0.967	1.7%
P090624A_BTEX_R1.quantmethod.xml	Ethylbenzene	3	P2404979.D	21.33	219430	108.1	1067634	1.042	9.6%
P090624A_BTEX_R1.quantmethod.xml	Ethylbenzene	4	P2404980.D	42.67	414505	108.1	1079066	0.973	2.4%
P090624A_BTEX_R1.quantmethod.xml	Ethylbenzene	5	P2404981.D	106.66	889663	108.1	1042115	0.865	-9.0%
P090624A_BTEX_R1.quantmethod.xml	Ethylbenzene	6	P2404982.D	213.33	1888178	108.1	1053728	0.908	-4.5%
P090624A_BTEX_R1.quantmethod.xml	Ethylbenzene	7	P2404983.D	639.99	5839841	108.1	1066774	0.925	-2.7%
						Avg:	1083659	0.951	
						%RSD:	4.0%	6.0%	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
P090624A_BTEX_R1.quantmethod.xml	m-/p-Xylenes	1	P2404977.D	5.37	41219	108.1	1169254	0.710	4.9%
P090624A_BTEX_R1.quantmethod.xml	m-/p-Xylenes	2	P2404978.D	10.74	70608	108.1	1107038	0.642	-5.1%
P090624A_BTEX_R1.quantmethod.xml	m-/p-Xylenes	3	P2404979.D	21.47	173334	108.1	1067634	0.817	21%
P090624A_BTEX_R1.quantmethod.xml	m-/p-Xylenes	4	P2404980.D	42.95	287337	108.1	1079066	0.670	-0.95%
P090624A_BTEX_R1.quantmethod.xml	m-/p-Xylenes	5	P2404981.D	107.36	601872	108.1	1042115	0.582	-14%
P090624A_BTEX_R1.quantmethod.xml	m-/p-Xylenes	6	P2404982.D	214.73	1307488	108.1	1053728	0.625	-7.7%
P090624A_BTEX_R1.quantmethod.xml	m-/p-Xylenes	7	P2404983.D	644.18	4394447	108.1	1066774	0.691	2.1%
						Avg:	1083659	0.677	
						%RSD:	4.0%	11%	
P090624A_BTEX_R1.quantmethod.xml	o-Xylene	1	P2404977.D	5.40	44196	108.1	1169254	0.757	5.1%
P090624A_BTEX_R1.quantmethod.xml	o-Xylene	2	P2404978.D	10.80	82293	108.1	1107038	0.745	3.4%
P090624A_BTEX_R1.quantmethod.xml	o-Xylene	3	P2404979.D	21.59	162748	108.1	1067634	0.763	6.0%
P090624A_BTEX_R1.quantmethod.xml	o-Xylene	4	P2404980.D	43.18	323877	108.1	1079066	0.752	4.4%
P090624A_BTEX_R1.quantmethod.xml	o-Xylene	5	P2404981.D	107.95	690821	108.1	1042115	0.664	-7.8%
P090624A_BTEX_R1.quantmethod.xml	o-Xylene	6	P2404982.D	215.90	1404667	108.1	1053728	0.668	-7.3%
P090624A_BTEX_R1.quantmethod.xml	o-Xylene	7	P2404983.D	647.71	4429477	108.1	1066774	0.693	-3.8%
						Avg:	1083659	0.720	
						%RSD:	4.0%	6.1%	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
P090624A_BTEX_R1.quantmethod.xml	Toluene	1	P2404977.D	5.39	60242	108.1	1169254	1.034	15%
P090624A_BTEX_R1.quantmethod.xml	Toluene	2	P2404978.D	10.78	103782	108.1	1107038	0.940	4.7%
P090624A_BTEX_R1.quantmethod.xml	Toluene	3	P2404979.D	21.56	201417	108.1	1067634	0.946	5.3%
P090624A_BTEX_R1.quantmethod.xml	Toluene	4	P2404980.D	43.11	378117	108.1	1079066	0.879	-2.2%
P090624A_BTEX_R1.quantmethod.xml	Toluene	5	P2404981.D	107.78	866654	108.1	1042115	0.834	-7.1%
P090624A_BTEX_R1.quantmethod.xml	Toluene	6	P2404982.D	215.56	1738243	108.1	1053728	0.827	-7.9%
P090624A_BTEX_R1.quantmethod.xml	Toluene	7	P2404983.D	646.68	5279870	108.1	1066774	0.828	-7.9%
						Avg:	1083659	0.898	
						%RSD:	4.0%	8.7%	
P090624A_BTEX_R1.quantmethod.xml	Benzene	ICV	P2404984.D	63.61	412010	91.7	731399	0.812	-17%
P090624A_BTEX_R1.quantmethod.xml	Ethylbenzene	ICV	P2404984.D	85.41	703130	108.1	1042671	0.854	-10%
P090624A_BTEX_R1.quantmethod.xml	m-/p-Xylenes	ICV	P2404984.D	88.90	563818	108.1	1042671	0.658	-2.8%
P090624A_BTEX_R1.quantmethod.xml	o-Xylene	ICV	P2404984.D	87.50	558957	108.1	1042671	0.662	-8%
P090624A_BTEX_R1.quantmethod.xml	Toluene	ICV	P2404984.D	75.87	552004	108.1	1042671	0.754	-16%

This Is The Last Page Of This Report.

ENTHALPY ANALYTICAL

CITGO – South Portland Terminal

102 Mechanic St.
South Portland, ME 04106

Sampling Event 16

PROJ-031602

Analytical Report (2024FP406)

EPA Method 325B

Benzene, Toluene, Ethylbenzene, m-/p-Xylenes, o-Xylene

Report Submitted By:
Montrose Air Quality Services LLC – Pine Brook, NJ

Enthalpy Analytical, LLC
Phone: (919) 850 - 4392 / Fax: (919) 850 - 9012 / www.enthalpy.com
800-1 Capitola Drive, Durham, NC 27713

I certify that to the best of my knowledge all analytical data presented in this report:

- Have been checked for completeness
- Are accurate, error-free, and legible
- Have been conducted in accordance with approved protocol, and that all deviations and analytical problems are summarized in the appropriate narrative(s)

This analytical report was prepared in Portable Document Format (.PDF). This report shall not be reproduced except in full without approval of the laboratory. This will provide assurance that parts of a report are not taken out of context.



QA Review Performed by
Eneko Etxauri Otegi
QA Associate I

Report Issued: 01/02/2025

ENTHALPY
ANALYTICAL

Summary of Results

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP406-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Summary

Sample Code	Tube ID	Benzene (ug/m³)	Flag	Ethylbenzene (ug/m³)	Flag	m-/p-Xylenes (ug/m³)	Flag	o-Xylene (ug/m³)	Flag	Toluene (ug/m³)	Flag
CGOSP-1-S-20241203	C00835	1.90		0.920		2.99	P	0.953	Pc	5.76	
CGOSP-2-S-20241203	B46931	1.59		0.570	J	1.91	P	0.717	Pc	5.28	
CGOSP-3-S-20241203	B34780	1.79		0.773		2.20	P	0.714	Pc	5.27	
CGOSP-3-D-20241203	B31228	2.14		0.922		3.08	P	1.06	Pc	7.16	
CGOSP-3-B-20241203	C01489		ND		ND		ND,P		ND,Pc		ND
CGOSP-4-S-20241203	B35460	2.05		1.06		3.61	P	1.26	Pc	7.11	
CGOSP-5-S-20241203	C02039	2.76		2.22		7.14	P	2.40	Pc	10.2	
CGOSP-6-S-20241203	C01649	2.69		1.93		6.30	P	2.10	Pc	10.3	
CGOSP-7-S-20241203	C55413	2.32		1.54		5.31	P	1.74	Pc	9.45	
CGOSP-8-S-20241203	C37051	2.63		1.55		4.60	P	1.46	Pc	10.0	
CGOSP-9-S-20241203	B44208	2.50		1.17		4.10	P	1.43	Pc	9.53	
CGOSP-9-D-20241203	B47158	2.43		1.16		3.66	P	1.32	Pc	8.86	
CGOSP-9-B-20241203	B49531		ND		ND		ND,P		ND,Pc		ND
CGOSP-10-S-20241203	C35772	2.04		1.05		3.42	P	1.18	Pc	8.34	
CGOSP-11-S-20241203	C37017	1.66		0.963		3.12	P	1.03	Pc	6.88	
CGOSP-12-S-20241203	B34572	1.76		0.975		3.06	P	1.06	Pc	6.08	
CGOSP-13-S-20241203	C01853	1.76		1.01		3.38	P	1.16	Pc	6.50	
CGOSP-14-S-20241203	B46217	1.71		0.852		2.39	P	0.793	Pc	5.12	
CGOSP-15-S-20241203	C40140	1.46		0.602	J	1.79	P	0.573	J,Pc	3.94	
CGOSP-16-S-20241203	B47176	1.56		0.698		2.05	P	0.705	Pc	5.64	
CGOSP-17-S-20241203	B45066	1.69		0.833		2.55	P	0.898	Pc	7.07	
CGOSP-18-S-20241203	B44191	2.12		0.928		3.03	P	1.05	Pc	7.00	

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit
ND: The analyte was not present above the Method Detection Limit
P: Field duplicate(s) exceed 30%RPD
Pc: Field duplicate(s) exceed 30%RPD. Concentrations of both samples in duplicate are near the reporting limit

Results

ENTHALPY
ANALYTICAL

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP406-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Benzene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
CGOSP-1-S-20241203	C00835	1.90	0.595	24.5	30.7	0.640	20,155	0.194	0.407	0.0607	0.127	
CGOSP-2-S-20241203	B46931	1.59	0.497	20.5	30.7	0.640	20,155	0.194	0.407	0.0607	0.127	
CGOSP-3-S-20241203	B34780	1.79	0.562	23.2	30.7	0.640	20,160	0.194	0.406	0.0606	0.127	
CGOSP-3-D-20241203	B31228	2.14	0.669	27.6	30.7	0.640	20,160	0.194	0.406	0.0606	0.127	
CGOSP-3-B-20241203	C01489				30.7	0.640	20,160	0.194	0.406	0.0606	0.127	ND
CGOSP-4-S-20241203	B35460	2.05	0.643	26.5	30.7	0.640	20,160	0.194	0.406	0.0606	0.127	
CGOSP-5-S-20241203	C02039	2.76	0.865	35.6	30.7	0.640	20,160	0.194	0.406	0.0606	0.127	
CGOSP-6-S-20241203	C01649	2.69	0.841	34.7	30.7	0.640	20,160	0.194	0.406	0.0606	0.127	
CGOSP-7-S-20241203	C55413	2.32	0.728	30.0	30.7	0.640	20,160	0.194	0.406	0.0606	0.127	
CGOSP-8-S-20241203	C37051	2.63	0.825	34.0	30.7	0.640	20,160	0.194	0.406	0.0606	0.127	
CGOSP-9-S-20241203	B44208	2.50	0.783	32.3	30.7	0.640	20,160	0.194	0.406	0.0606	0.127	
CGOSP-9-D-20241203	B47158	2.43	0.761	31.4	30.7	0.640	20,160	0.194	0.406	0.0606	0.127	
CGOSP-9-B-20241203	B49531				30.7	0.640	20,160	0.194	0.406	0.0606	0.127	ND
CGOSP-10-S-20241203	C35772	2.04	0.640	26.4	30.7	0.640	20,155	0.194	0.407	0.0607	0.127	
CGOSP-11-S-20241203	C37017	1.66	0.520	21.4	30.7	0.640	20,155	0.194	0.407	0.0607	0.127	
CGOSP-12-S-20241203	B34572	1.76	0.552	22.7	30.7	0.640	20,155	0.194	0.406	0.0607	0.127	
CGOSP-13-S-20241203	C01853	1.76	0.550	22.7	30.7	0.640	20,155	0.194	0.406	0.0607	0.127	
CGOSP-14-S-20241203	B46217	1.71	0.535	22.1	30.8	0.640	20,155	0.194	0.406	0.0607	0.127	
CGOSP-15-S-20241203	C40140	1.46	0.459	18.9	30.8	0.640	20,155	0.194	0.406	0.0607	0.127	
CGOSP-16-S-20241203	B47176	1.56	0.488	20.1	30.8	0.640	20,155	0.194	0.406	0.0607	0.127	
CGOSP-17-S-20241203	B45066	1.69	0.530	21.8	30.8	0.640	20,155	0.194	0.406	0.0607	0.127	
CGOSP-18-S-20241203	B44191	2.12	0.665	27.4	30.8	0.640	20,150	0.194	0.407	0.0607	0.127	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP406-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Ethylbenzene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
CGOSP-1-S-20241203	C00835	0.920	0.212	8.15	30.7	0.440	20,155	0.282	0.609	0.0650	0.140	
CGOSP-2-S-20241203	B46931	0.570	0.131	5.06	30.7	0.440	20,155	0.282	0.609	0.0650	0.140	J
CGOSP-3-S-20241203	B34780	0.773	0.178	6.85	30.7	0.440	20,160	0.282	0.608	0.0650	0.140	
CGOSP-3-D-20241203	B31228	0.922	0.212	8.17	30.7	0.440	20,160	0.282	0.608	0.0650	0.140	
CGOSP-3-B-20241203	C01489				30.7	0.440	20,160	0.282	0.608	0.0650	0.140	ND
CGOSP-4-S-20241203	B35460	1.06	0.243	9.35	30.7	0.440	20,160	0.282	0.608	0.0650	0.140	
CGOSP-5-S-20241203	C02039	2.22	0.512	19.7	30.7	0.440	20,160	0.282	0.608	0.0650	0.140	
CGOSP-6-S-20241203	C01649	1.93	0.446	17.1	30.7	0.440	20,160	0.282	0.608	0.0650	0.140	
CGOSP-7-S-20241203	C55413	1.54	0.355	13.7	30.7	0.440	20,160	0.282	0.608	0.0650	0.140	
CGOSP-8-S-20241203	C37051	1.55	0.356	13.7	30.7	0.440	20,160	0.282	0.608	0.0650	0.140	
CGOSP-9-S-20241203	B44208	1.17	0.271	10.4	30.7	0.440	20,160	0.282	0.608	0.0650	0.140	
CGOSP-9-D-20241203	B47158	1.16	0.266	10.2	30.7	0.440	20,160	0.282	0.608	0.0650	0.140	
CGOSP-9-B-20241203	B49531				30.7	0.440	20,160	0.282	0.608	0.0650	0.140	ND
CGOSP-10-S-20241203	C35772	1.05	0.242	9.29	30.7	0.440	20,155	0.282	0.609	0.0650	0.140	
CGOSP-11-S-20241203	C37017	0.963	0.222	8.53	30.7	0.440	20,155	0.282	0.609	0.0650	0.140	
CGOSP-12-S-20241203	B34572	0.975	0.225	8.64	30.7	0.440	20,155	0.282	0.609	0.0650	0.140	
CGOSP-13-S-20241203	C01853	1.01	0.232	8.93	30.7	0.440	20,155	0.282	0.609	0.0650	0.140	
CGOSP-14-S-20241203	B46217	0.852	0.196	7.55	30.8	0.440	20,155	0.282	0.609	0.0650	0.140	
CGOSP-15-S-20241203	C40140	0.602	0.139	5.34	30.8	0.440	20,155	0.282	0.609	0.0650	0.140	J
CGOSP-16-S-20241203	B47176	0.698	0.161	6.19	30.8	0.440	20,155	0.282	0.609	0.0650	0.140	
CGOSP-17-S-20241203	B45066	0.833	0.192	7.38	30.8	0.440	20,155	0.282	0.608	0.0650	0.140	
CGOSP-18-S-20241203	B44191	0.928	0.214	8.22	30.8	0.440	20,150	0.282	0.609	0.0650	0.140	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP406-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

m-/p-Xylenes

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
CGOSP-1-S-20241203	C00835	2.99	0.689	26.5	30.7	0.440	20,155	0.282	0.613	0.0650	0.141	P
CGOSP-2-S-20241203	B46931	1.91	0.439	16.9	30.7	0.440	20,155	0.282	0.613	0.0650	0.141	P
CGOSP-3-S-20241203	B34780	2.20	0.508	19.5	30.7	0.440	20,160	0.282	0.612	0.0650	0.141	P
CGOSP-3-D-20241203	B31228	3.08	0.709	27.3	30.7	0.440	20,160	0.282	0.612	0.0650	0.141	P
CGOSP-3-B-20241203	C01489				30.7	0.440	20,160	0.282	0.612	0.0650	0.141	ND,P
CGOSP-4-S-20241203	B35460	3.61	0.831	32.0	30.7	0.440	20,160	0.282	0.612	0.0650	0.141	P
CGOSP-5-S-20241203	C02039	7.14	1.64	63.3	30.7	0.440	20,160	0.282	0.612	0.0650	0.141	P
CGOSP-6-S-20241203	C01649	6.30	1.45	55.9	30.7	0.440	20,160	0.282	0.612	0.0650	0.141	P
CGOSP-7-S-20241203	C55413	5.31	1.22	47.0	30.7	0.440	20,160	0.282	0.612	0.0650	0.141	P
CGOSP-8-S-20241203	C37051	4.60	1.06	40.8	30.7	0.440	20,160	0.282	0.612	0.0650	0.141	P
CGOSP-9-S-20241203	B44208	4.10	0.945	36.3	30.7	0.440	20,160	0.282	0.612	0.0650	0.141	P
CGOSP-9-D-20241203	B47158	3.66	0.844	32.5	30.7	0.440	20,160	0.282	0.612	0.0650	0.141	P
CGOSP-9-B-20241203	B49531				30.7	0.440	20,160	0.282	0.612	0.0650	0.141	ND,P
CGOSP-10-S-20241203	C35772	3.42	0.789	30.4	30.7	0.440	20,155	0.282	0.613	0.0650	0.141	P
CGOSP-11-S-20241203	C37017	3.12	0.718	27.6	30.7	0.440	20,155	0.282	0.613	0.0650	0.141	P
CGOSP-12-S-20241203	B34572	3.06	0.704	27.1	30.7	0.440	20,155	0.282	0.612	0.0650	0.141	P
CGOSP-13-S-20241203	C01853	3.38	0.778	29.9	30.7	0.440	20,155	0.282	0.612	0.0650	0.141	P
CGOSP-14-S-20241203	B46217	2.39	0.551	21.2	30.8	0.440	20,155	0.282	0.612	0.0650	0.141	P
CGOSP-15-S-20241203	C40140	1.79	0.413	15.9	30.8	0.440	20,155	0.282	0.612	0.0650	0.141	P
CGOSP-16-S-20241203	B47176	2.05	0.474	18.2	30.8	0.440	20,155	0.282	0.612	0.0650	0.141	P
CGOSP-17-S-20241203	B45066	2.55	0.589	22.6	30.8	0.440	20,155	0.282	0.612	0.0650	0.141	P
CGOSP-18-S-20241203	B44191	3.03	0.699	26.9	30.8	0.440	20,150	0.282	0.613	0.0650	0.141	P

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP406-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

o-Xylene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
CGOSP-1-S-20241203	C00835	0.953	0.220	8.45	30.7	0.440	20,155	0.282	0.616	0.0650	0.142	Pc
CGOSP-2-S-20241203	B46931	0.717	0.165	6.35	30.7	0.440	20,155	0.282	0.616	0.0650	0.142	Pc
CGOSP-3-S-20241203	B34780	0.714	0.165	6.33	30.7	0.440	20,160	0.282	0.616	0.0650	0.142	Pc
CGOSP-3-D-20241203	B31228	1.06	0.244	9.38	30.7	0.440	20,160	0.282	0.616	0.0650	0.142	Pc
CGOSP-3-B-20241203	C01489				30.7	0.440	20,160	0.282	0.616	0.0650	0.142	ND,Pc
CGOSP-4-S-20241203	B35460	1.26	0.290	11.2	30.7	0.440	20,160	0.282	0.616	0.0650	0.142	Pc
CGOSP-5-S-20241203	C02039	2.40	0.553	21.3	30.7	0.440	20,160	0.282	0.616	0.0650	0.142	Pc
CGOSP-6-S-20241203	C01649	2.10	0.483	18.6	30.7	0.440	20,160	0.282	0.616	0.0650	0.142	Pc
CGOSP-7-S-20241203	C55413	1.74	0.400	15.4	30.7	0.440	20,160	0.282	0.616	0.0650	0.142	Pc
CGOSP-8-S-20241203	C37051	1.46	0.336	12.9	30.7	0.440	20,160	0.282	0.616	0.0650	0.142	Pc
CGOSP-9-S-20241203	B44208	1.43	0.330	12.7	30.7	0.440	20,160	0.282	0.616	0.0650	0.142	Pc
CGOSP-9-D-20241203	B47158	1.32	0.303	11.7	30.7	0.440	20,160	0.282	0.616	0.0650	0.142	Pc
CGOSP-9-B-20241203	B49531				30.7	0.440	20,160	0.282	0.616	0.0650	0.142	ND,Pc
CGOSP-10-S-20241203	C35772	1.18	0.272	10.5	30.7	0.440	20,155	0.282	0.616	0.0650	0.142	Pc
CGOSP-11-S-20241203	C37017	1.03	0.236	9.09	30.7	0.440	20,155	0.282	0.616	0.0650	0.142	Pc
CGOSP-12-S-20241203	B34572	1.06	0.244	9.37	30.7	0.440	20,155	0.282	0.616	0.0650	0.142	Pc
CGOSP-13-S-20241203	C01853	1.16	0.266	10.2	30.7	0.440	20,155	0.282	0.616	0.0650	0.142	Pc
CGOSP-14-S-20241203	B46217	0.793	0.183	7.02	30.8	0.440	20,155	0.282	0.616	0.0650	0.142	Pc
CGOSP-15-S-20241203	C40140	0.573	0.132	5.08	30.8	0.440	20,155	0.282	0.616	0.0650	0.142	J,Pc
CGOSP-16-S-20241203	B47176	0.705	0.162	6.24	30.8	0.440	20,155	0.282	0.616	0.0650	0.142	Pc
CGOSP-17-S-20241203	B45066	0.898	0.207	7.96	30.8	0.440	20,155	0.282	0.616	0.0650	0.142	Pc
CGOSP-18-S-20241203	B44191	1.05	0.242	9.32	30.8	0.440	20,150	0.282	0.616	0.0650	0.142	Pc

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP406-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Toluene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
CGOSP-1-S-20241203	C00835	5.76	1.53	57.7	30.7	0.497	20,155	0.250	0.544	0.0663	0.144	
CGOSP-2-S-20241203	B46931	5.28	1.40	52.9	30.7	0.497	20,155	0.250	0.544	0.0663	0.144	
CGOSP-3-S-20241203	B34780	5.27	1.40	52.8	30.7	0.497	20,160	0.249	0.544	0.0662	0.144	
CGOSP-3-D-20241203	B31228	7.16	1.90	71.8	30.7	0.497	20,160	0.249	0.544	0.0662	0.144	
CGOSP-3-B-20241203	C01489				30.7	0.497	20,160	0.249	0.544	0.0662	0.144	ND
CGOSP-4-S-20241203	B35460	7.11	1.89	71.2	30.7	0.497	20,160	0.249	0.544	0.0662	0.144	
CGOSP-5-S-20241203	C02039	10.2	2.72	103	30.7	0.497	20,160	0.249	0.544	0.0662	0.144	
CGOSP-6-S-20241203	C01649	10.3	2.74	103	30.7	0.497	20,160	0.249	0.544	0.0662	0.144	
CGOSP-7-S-20241203	C55413	9.45	2.51	94.7	30.7	0.497	20,160	0.249	0.544	0.0662	0.144	
CGOSP-8-S-20241203	C37051	10.0	2.66	100	30.7	0.497	20,160	0.249	0.544	0.0662	0.144	
CGOSP-9-S-20241203	B44208	9.53	2.53	95.5	30.7	0.497	20,160	0.249	0.544	0.0662	0.144	
CGOSP-9-D-20241203	B47158	8.86	2.35	88.8	30.7	0.497	20,160	0.249	0.544	0.0662	0.144	
CGOSP-9-B-20241203	B49531				30.7	0.497	20,160	0.249	0.544	0.0662	0.144	ND
CGOSP-10-S-20241203	C35772	8.34	2.21	83.5	30.7	0.497	20,155	0.250	0.544	0.0663	0.144	
CGOSP-11-S-20241203	C37017	6.88	1.83	68.9	30.7	0.497	20,155	0.250	0.544	0.0663	0.144	
CGOSP-12-S-20241203	B34572	6.08	1.62	61.0	30.7	0.497	20,155	0.250	0.544	0.0663	0.144	
CGOSP-13-S-20241203	C01853	6.50	1.73	65.1	30.7	0.497	20,155	0.250	0.544	0.0663	0.144	
CGOSP-14-S-20241203	B46217	5.12	1.36	51.3	30.8	0.497	20,155	0.250	0.544	0.0663	0.144	
CGOSP-15-S-20241203	C40140	3.94	1.05	39.5	30.8	0.497	20,155	0.250	0.544	0.0663	0.144	
CGOSP-16-S-20241203	B47176	5.64	1.50	56.5	30.8	0.497	20,155	0.250	0.544	0.0663	0.144	
CGOSP-17-S-20241203	B45066	7.07	1.88	70.9	30.8	0.497	20,155	0.250	0.544	0.0663	0.144	
CGOSP-18-S-20241203	B44191	7.00	1.86	70.1	30.8	0.497	20,150	0.250	0.544	0.0663	0.144	

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit
ND: The analyte was not present above the Method Detection Limit
P: Field duplicate(s) exceed 30%RPD
Pc: Field duplicate(s) exceed 30%RPD. Concentrations of both samples in duplicate are near the reporting limit

QC

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP406-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

QC Samples

Field Sample Type	Sample Code	Benzene		Ethylbenzene		m-/p-Xylenes		o-Xylene		Toluene	
Blanks (ug/m³)	CGOSP-3-B-20241203	ND	Pass	ND	Pass	ND	Pass	ND	Pass	ND	Pass
	CGOSP-9-B-20241203	ND	Pass	ND	Pass	ND	Pass	ND	Pass	ND	Pass
Duplicates (difference)	CGOSP-3-D-20241203	17%	Pass	18%	Pass	33%	P	39%	Pc	30%	Pass
	CGOSP-9-D-20241203	2.9%	Pass	1.6%	Pass	11%	Pass	8.5%	Pass	7.3%	Pass

Narrative Summary

Enthalpy Analytical Narrative Summary

Company	Montrose Air Quality Services, LLC - New Jersey
Site	CITGO – South Portland Terminal
Project	PROJ-031602
Report #	2024FP406

Custody	Enthalpy Analytical, LLC received the sample tubes on 12/20/24. The samples were received in good condition at a temperature of 15.4 ºC. Prior to, during, and after analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, LLC.
Analysis	The samples were analyzed for Benzene, Toluene, Ethylbenzene, o-Xylene, and m-/p-Xylenes using EPA Method 325B – Volatile Organic Compounds from Fugitive and Area Sources by Thermal Desorption and GC/MS. A copy of the acquisition method (M325B-TD.M) is not included in this report but may be available upon request.
Calibration	All BFB tune criteria have been met for this analysis. The initial calibration met 30% RSD criteria. The initial calibration verification met 30% recovery criteria. The continuing calibration verifications met 30% difference criteria. The initial and continuing calibration raw data are not included in this report but are available upon request.
Quality Control Notes	All quality control criteria required by the method and/or the laboratory SOP have been met unless noted otherwise below. The primary sample CGOSP-3-S-20241203 (tube ID B34780) and its corresponding duplicate CGOSP-3-D-20241203 (tube ID B31228) failed to meet the 30% difference criterion specified by the method for m-/p-Xylenes. All samples in the data set have been flagged “P” for m-/p-Xylenes only to denote this failure. The primary sample CGOSP-3-S-20241203 (tube ID B34780) and its corresponding duplicate CGOSP-3-D-20241203 (tube ID B31228) failed to meet the 30% difference criteria specified by the method for o-Xylene. However, the concentrations of the analyte in both the sample and the duplicate were less than two times the reporting limit of the instrument’s calibration curve. Therefore, the percent difference observed may not suggest the data set has been negatively affected. All samples in the data set have been flagged “Pc” for o-Xylene only to denote this failure.
Reporting Notes	The samples may have been purged to remove known or suspected moisture. If purging occurred, a CCV and a Method Blank will have been purged alongside the samples. The laboratory maintains documentation of samples that are purged.

Enthalpy Analytical Narrative Summary
(continued)

As specified in EPA Method 325B, the response factor of the daily continuing calibration standard was used to quantitate all field samples and blanks.

All samples were reported as amount in ng catch, and concentration in µg/m3 and ppbv.

The results presented in this report are representative of the samples as provided to the laboratory.

These analyses met the requirements of the TNI Standard. Any deviations from the requirements of the reference method or TNI Standard have been stated above.

Sample Custody

2024FP406

EPA Method 325 A/B Field Test Data Sheet and Chain of Custody Record

ENTHALPY ANALYTICAL

Page # 1 of # 3

☐ Standard Turn Around Time (10 business days)

☐ Rush Turn Around Time

• All TATs Subject to Approval by Enthalpy Analytical, Inc.

• Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name:	Citgo South Portland Terminal	**Client Name:**	Montrose Air	**PO#:**	
Site Address:	107 Mechanic Street	**Project Number:**	PROJ - 031602	**Sample Event #**	
City:	South Portland	**Project Manager:**	Haig Brochu	**Sorbent:**	
State	Maine	**Email Address:**	haigbrochu@Montrose-env.com		
Zip:	04106	**Telephone #:**	207-441-0025		

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
1	C00835	S	12/3/24	9:50 AM	12/17/24	9:45 AM	HFB/HFB		
2	B46931	S	12/3/24	9:55 AM	12/17/24	9:50 AM	HFB/HFB		
3	B34780	S	12/3/24	10:00 AM	12/17/24	10:00 AM	HFB/HFB		
3	B31228	D	12/3/24	10:00 AM	12/17/24	10:00 AM	HFB/HFB		
3	C01489	B	12/3/24	10:00 AM	12/17/24	10:00 AM	HFB/HFB		
4	B35460	S	12/3/24	10:10 AM	12/17/24	10:10 AM	HFB/HFB		
5	C02039	S	12/3/24	10:15 AM	12/17/24	10:15 AM	HFB/HFB		
6	C01649	S	12/3/24	10:20 AM	12/17/24	10:20 AM	HFB/HFB		

Relinquished By (printed):	Relinquished By (signature):	Relinquished Date:	Relinquished Time:
Haig Brochu	Haig Brochu	12/19/2024	16:00
Recieved By (printed):	**Recieved By (signature):**	**Receipt Date:**	**Receipt Time:**
Julianne Howell	Julianne Howell	12/20/24	10:00

Sample Condition Upon Receipt:	Compound List:	Custody Seal intact? Y/N:	Delivery tracking #
Good		Y	

Ice Temp:	Blank Temp:		Add Custody Seal # below:
NA	15.4	Fluke 7A	24H13253

Comments:

800-1 Capitola Drive • Durham, NC 27713 • (919) 850-4392 • FAX (919) 850-9012 • www.enthalpy.com

2024FP406

EPA Method 325 A/B Field Test Data Sheet and Chain of Custody Record

ENTHALPY ANALYTICAL

Page # 2 of # 3

☐ Standard Turn Around Time (10 business days)

☐ Rush Turn Around Time

• All TATs Subject to Approval by Enthalpy Analytical, Inc.

• Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name:	Citgo South Portland Terminal	**Client Name:**	Montrose Air	**PO#:**	
Site Address:	107 Mechanic Street	**Project Number:**	PROJ - 031602	**Sample Event #**	
City:	South Portland	**Project Manager:**	Haig Brochu	**Sorbent:**	
State	Maine	**Email Address:**	haigbrochu@Montrose-env.com		
Zip:	04106	**Telephone #:**	207-441-0025		

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
7	C55413	S	12/3/24	10:25 AM	12/17/24	10:25 AM	HFB/HFB		
8	C37051	S	12/3/24	10:30 AM	12/17/24	10:30 AM	HFB/HFB		
9	B44208	S	12/3/24	10:35 AM	12/17/24	10:35 AM	HFB/HFB		
9	B47158	D	12/3/24	10:35 AM	12/17/24	10:35 AM	HFB/HFB		
9	B49531	B	12/3/24	10:35 AM	12/17/24	10:35 AM	HFB/HFB		
10	C35772	S	12/3/24	10:45 AM	12/17/24	10:40 AM	HFB/HFB		
11	C37017	S	12/3/24	10:50 AM	12/17/24	10:45 AM	HFB/HFB		
12	B34572	S	12/3/24	10:55 AM	12/17/24	10:50 AM	HFB/HFB		

Relinquished By (printed):	Relinquished By (signature):	Relinquished Date:	Relinquished Time:
Haig Brochu	Haig Brochu	12/19/2024	16:00
Recieved By (printed):	**Recieved By (signature):**	**Receipt Date:**	**Receipt Time:**
Julianne Howell	Julianne Howell	12/20/24	10:00

Sample Condition Upon Receipt:	Compound List:	Custody Seal intact? Y/N:	Delivery tracking #
Good		Y	
Ice Temp: NA / **Blank Temp:** 15.4 / Fluke 7A		Add Custody Seal # below: 24H 13253	

Comments:

2024 FP406

EPA Method 325 A/B Field Test Data Sheet and Chain of Custody Record

ENTHALPY ANALYTICAL

Page # 3 of # 3

☐ Standard Turn Around Time (10 business days)

☐ Rush Turn Around Time

• All TATs Subject to Approval by Enthalpy Analytical, Inc.

• Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name:	Citgo South Portland Terminal	**Client Name:**	Montrose Air	**PO#:**	
Site Address:	107 Mechanic Street	**Project Number:**	PROJ - 031602	**Sample Event #**	
City:	South Portland	**Project Manager:**	Haig Brochu	**Sorbent:**	
State	Maine	**Email Address:**	haigbrochu@Montrose-env.com		
Zip:	04106	**Telephone #:**	207-441-0025		

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
13	C01853	S	12/3/24	11:00 AM	12/17/24	10:55 AM	HFB/HFB		
14	B46217	S	12/3/24	11:05 AM	12/17/24	11:00 AM	HFB/HFB		
15	C40140	S	12/3/24	11:10 AM	12/17/24	11:05 AM	HFB/HFB		
16	B47176	S	12/3/24	11:15 AM	12/17/24	11:10 AM	HFB/HFB		
17	B45066	S	12/3/24	11:20 AM	12/17/24	11:15 AM	HFB/HFB		
18	B44191	S	12/3/24	11:30 AM	12/17/24	11:20 AM	HFB/HFB		
							/		

Relinquished By (printed):	Relinquished By (signature):	Relinquished Date:	Relinquished Time:
Haig Brochu	Haig Brochu	12/19/2024	16:00
Recieved By (printed):	**Recieved By (signature):**	**Receipt Date:**	**Receipt Time:**
Julianne Howell	Julianne Howell	12/20/24	10:00

Sample Condition Upon Receipt:	Compound List:	Custody Seal intact? Y/N:	Delivery tracking #
Good		Y	
Ice Temp: NA / **Blank Temp:** 15.4 / Fluke 7A		Add Custody Seal # below: 24H13253	

Comments:

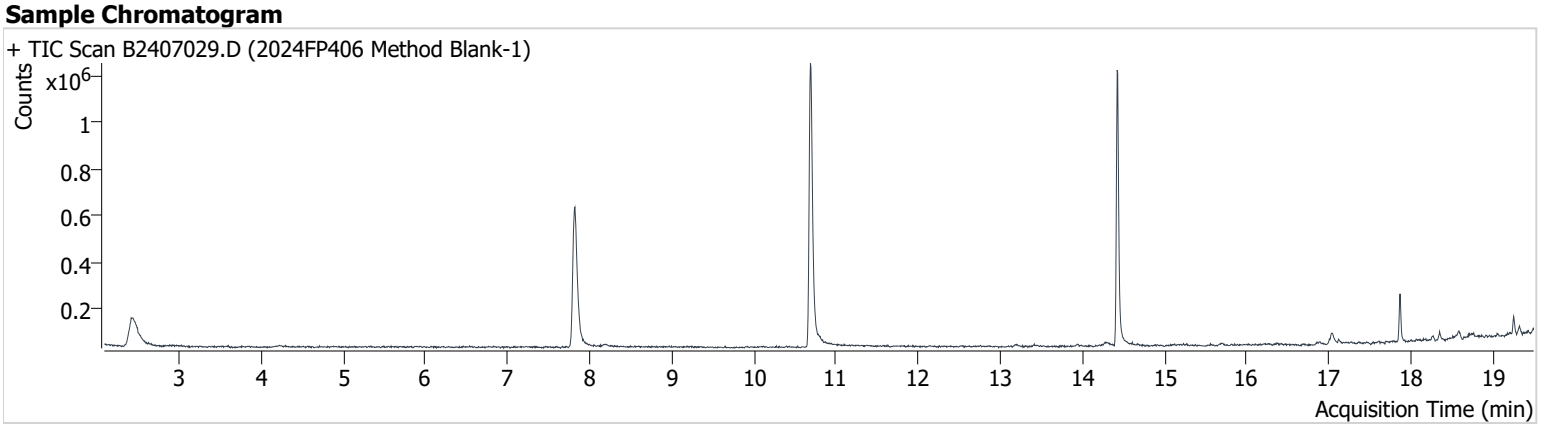
800-1 Capitola Drive • Durham, NC 27713 • (919) 850-4392 • FAX (919) 850-9012 • www.enthalpy.com

Sample Chromatograms

ENTHALPY ANALYTICAL

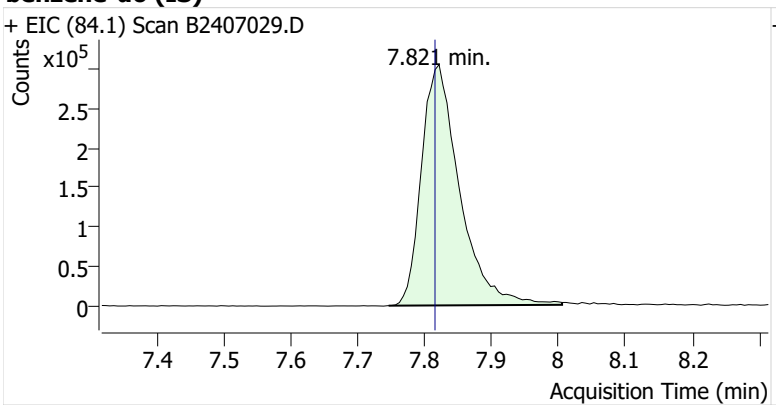
Name	2024FP406 Method Blank-1
Comment	B19258
Data File	B2407029.D
Acq. Date-Time	12/20/2024 4:47:26 PM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

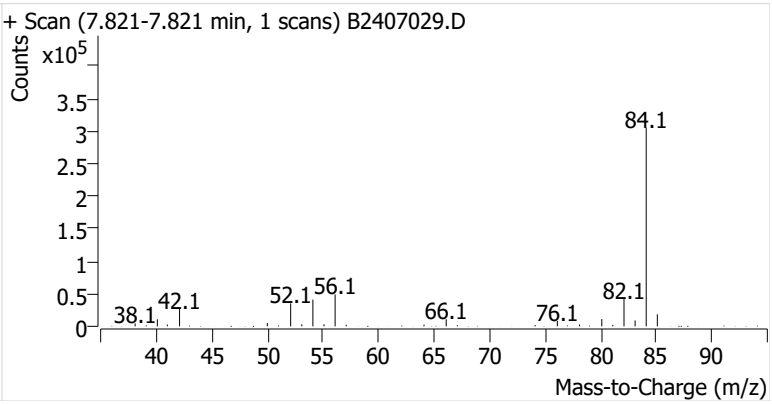
Sample Chromatogram



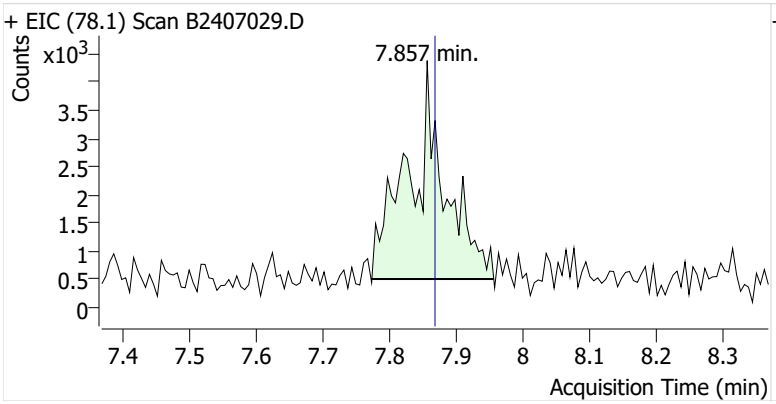
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.821	7.815	1,207,136	
Benzene	benzene-d6 (IS)	7.857	7.868	14,627	
Toluene-d8 (IS)		10.688	10.693	1,376,173	
Toluene	Toluene-d8 (IS)	10.795	10.794	16,019	
Ethylbenzene	Toluene-d8 (IS)	13.216	13.198	8,798	
m-/p-Xylenes	Toluene-d8 (IS)	13.418	13.412	7,797	
o-Xylene	Toluene-d8 (IS)	13.940	13.934	6,644	

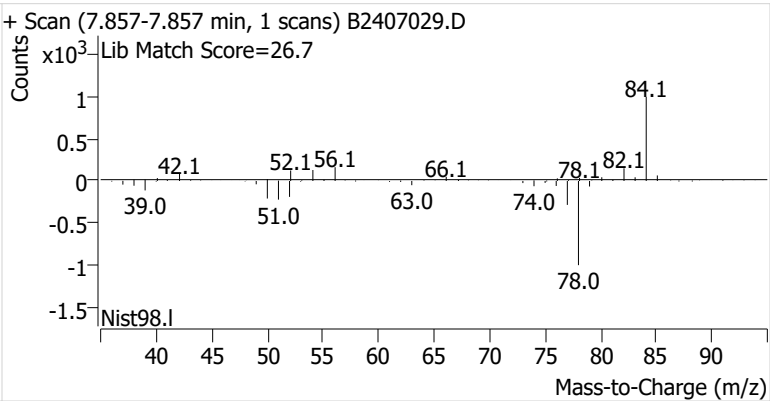
benzene-d6 (IS)



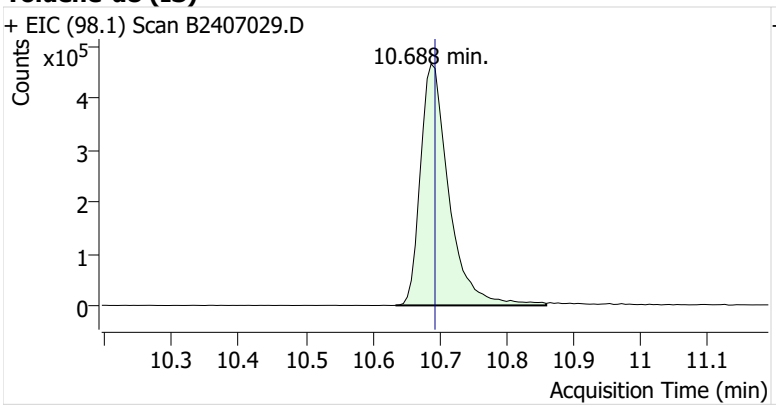


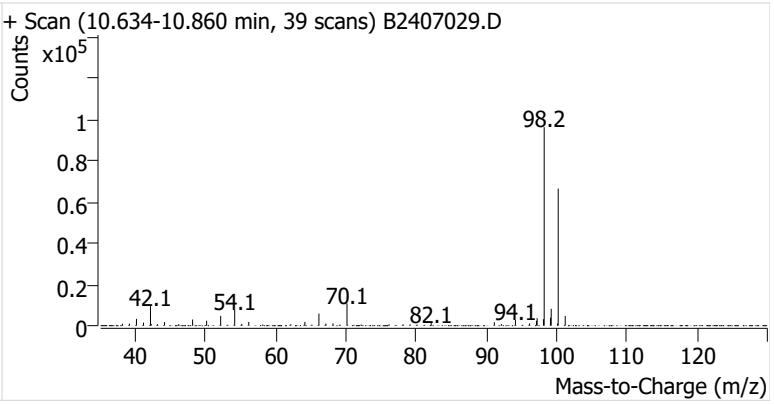
Benzene



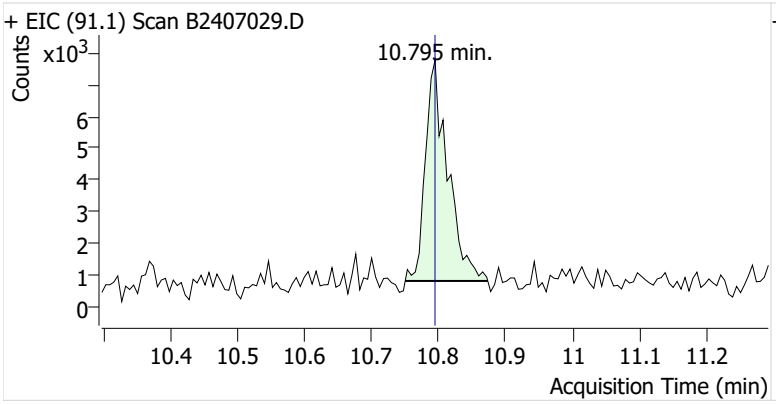


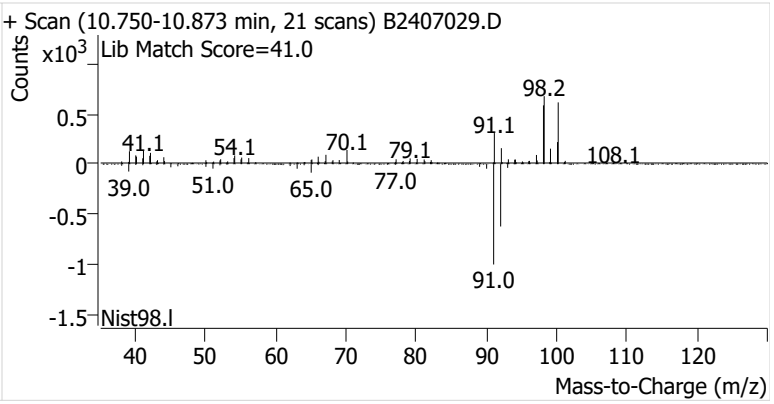
Toluene-d8 (IS)



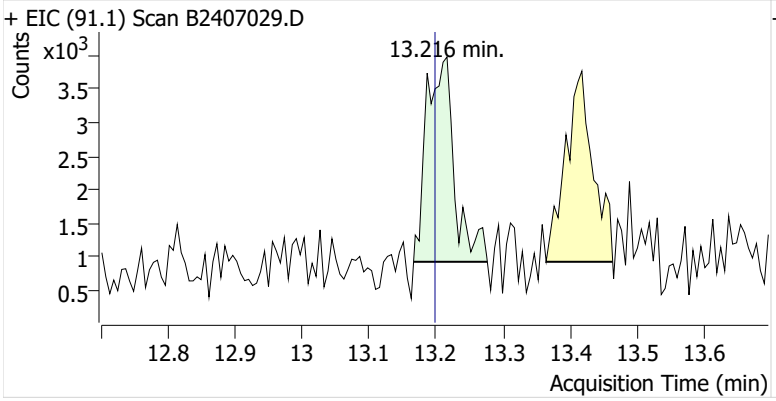


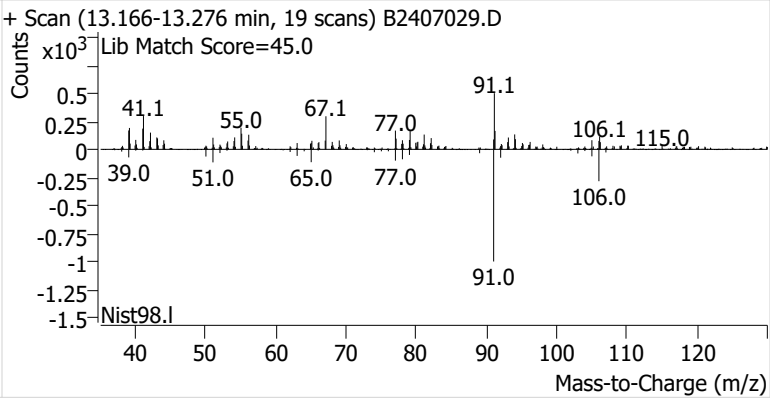
Toluene



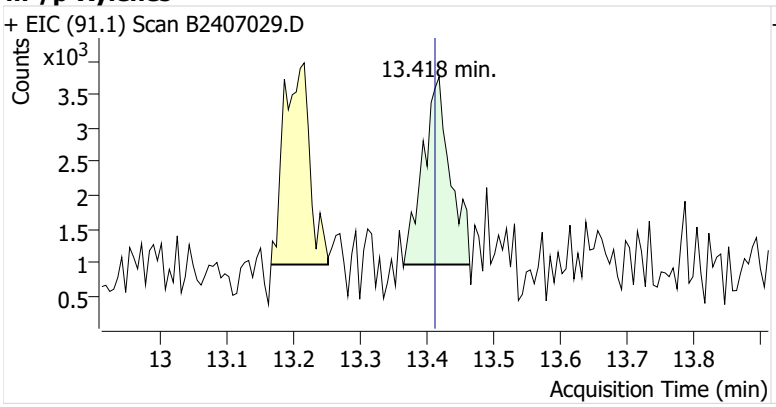


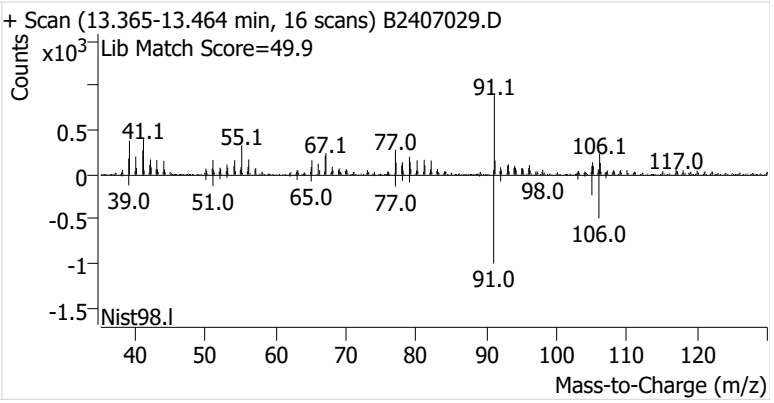
Ethylbenzene



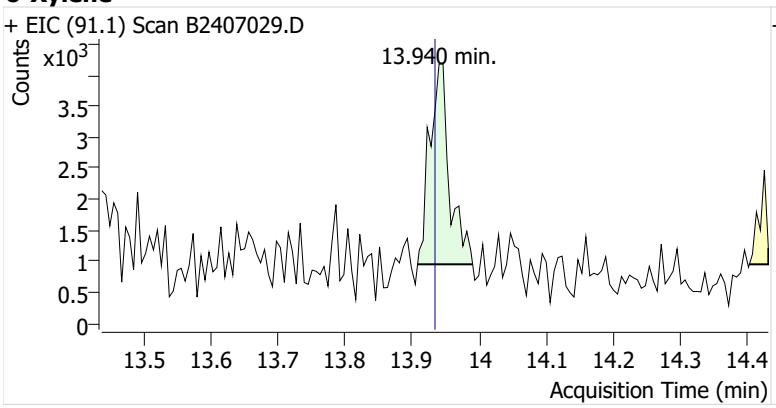


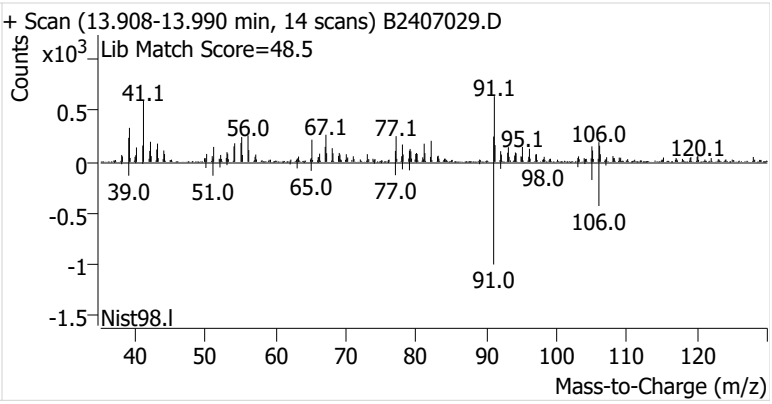
m-/p-Xylenes





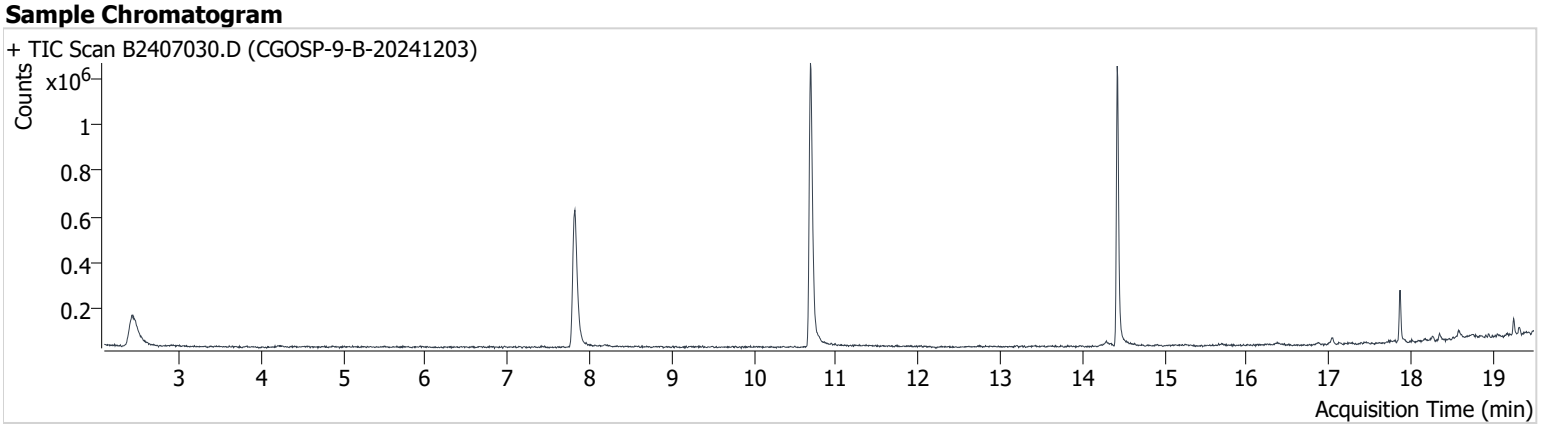
o-Xylene


+ EIC (91.1) Scan B2407029.D
Counts
x10^3
13.940 min.
3.5
3
2.5
2
1.5
1
0.5
0
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)


+ Scan (13.908-13.990 min, 14 scans) B2407029.D
Counts
x10^3
Lib Match Score=48.5
41.1
56.0
67.1
77.1
91.1
95.1
106.0
120.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

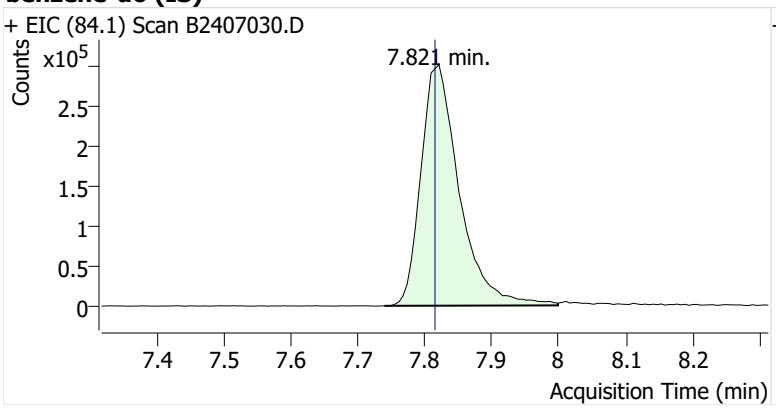
Name	CGOSP-9-B-20241203
Comment	B49531
Data File	B2407030.D
Acq. Date-Time	12/20/2024 5:24:48 PM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

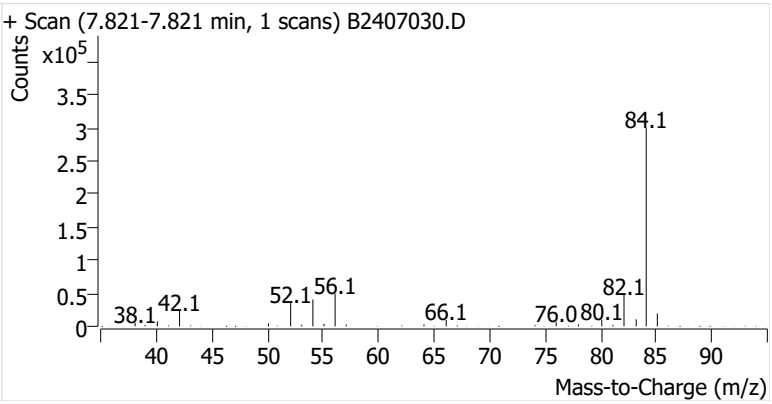
Sample Chromatogram



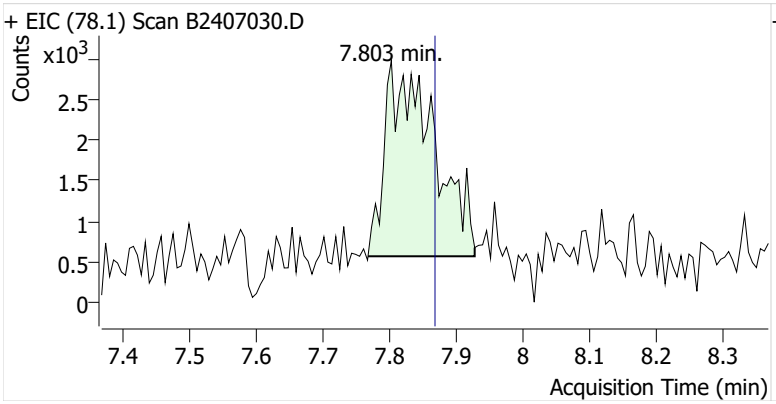
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.821	7.815	1,196,322	
Benzene	benzene-d6 (IS)	7.803	7.868	12,199	
Toluene-d8 (IS)		10.688	10.693	1,355,509	
Toluene	Toluene-d8 (IS)	10.812	10.794	11,978	
Ethylbenzene	Toluene-d8 (IS)	13.198	13.198	2,284	
m-/p-Xylenes	Toluene-d8 (IS)	13.430	13.412	1,950	
o-Xylene	Toluene-d8 (IS)	13.940	13.934	1,489	

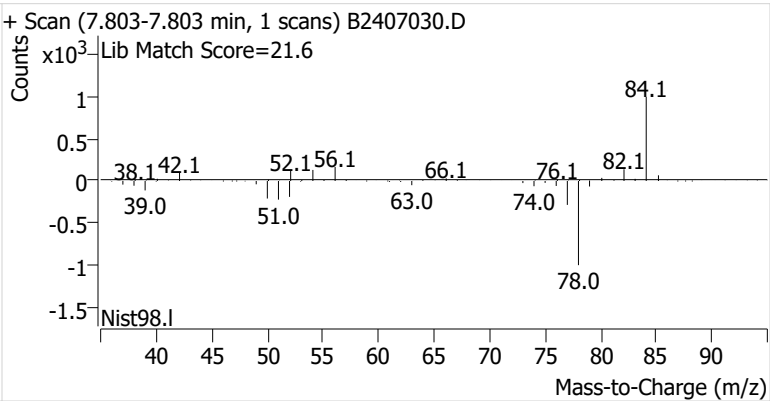
benzene-d6 (IS)



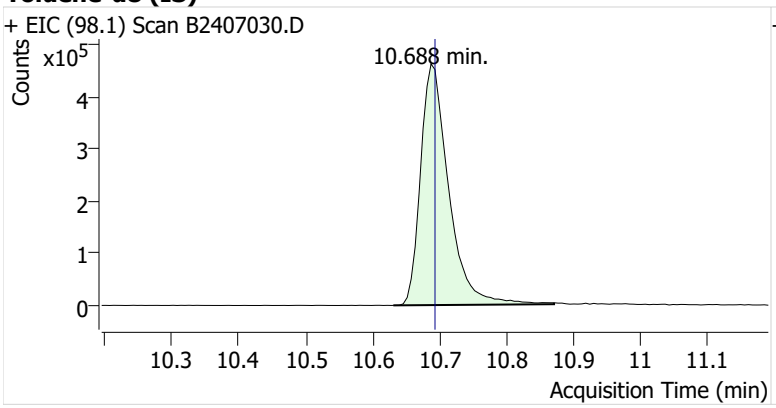


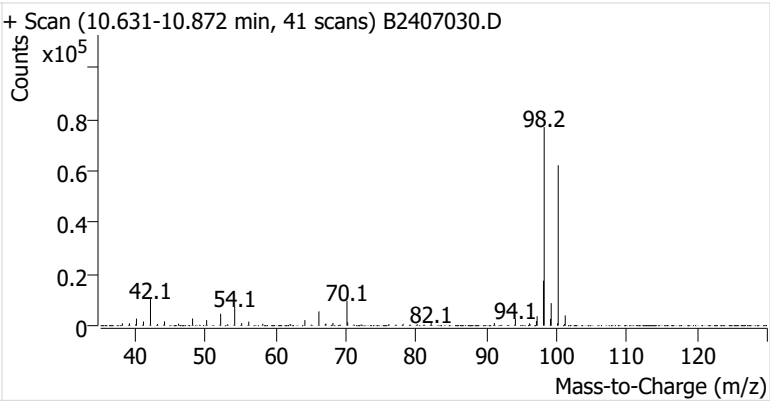
Benzene



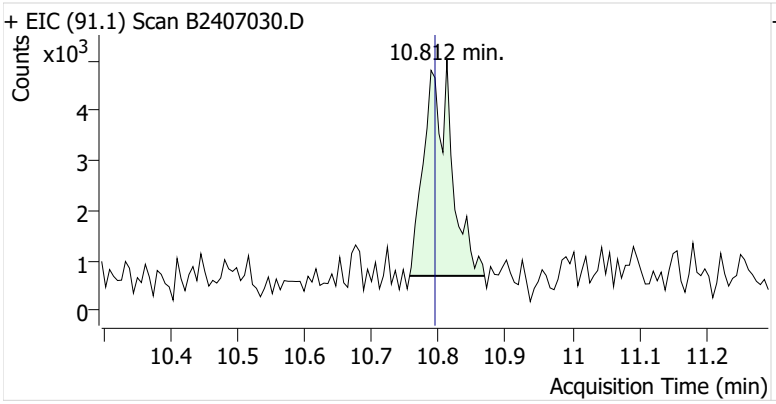


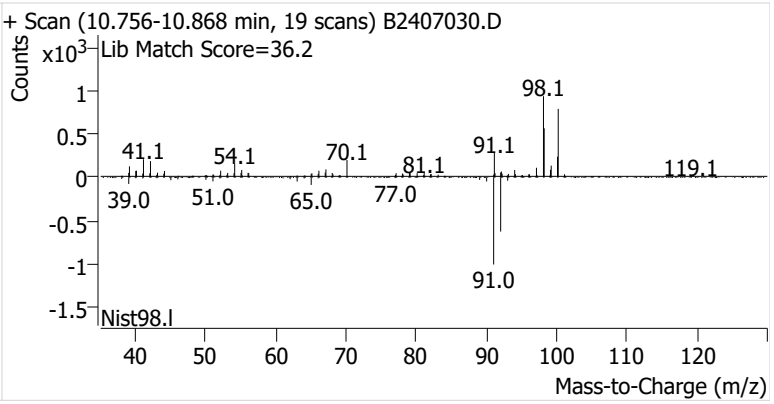
Toluene-d8 (IS)



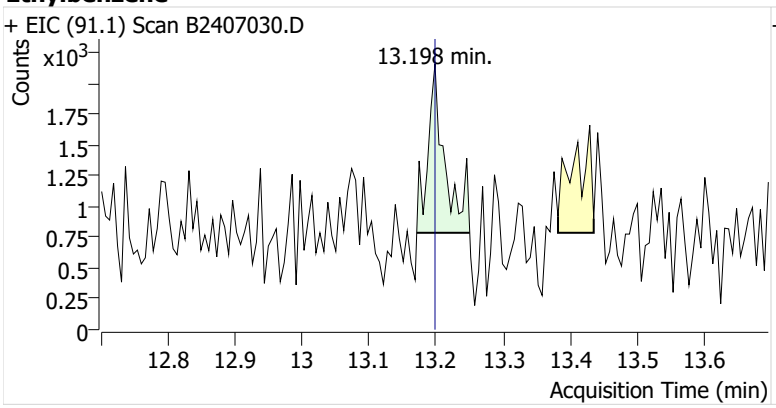


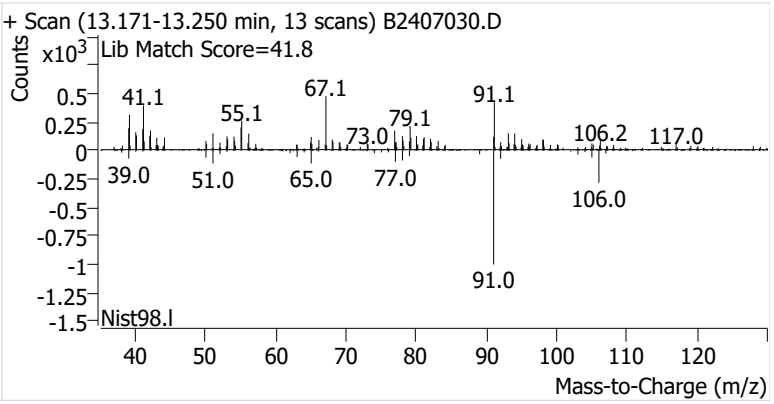
Toluene



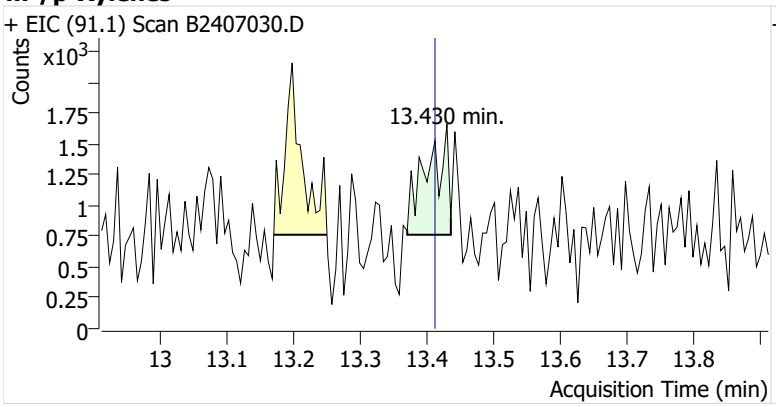


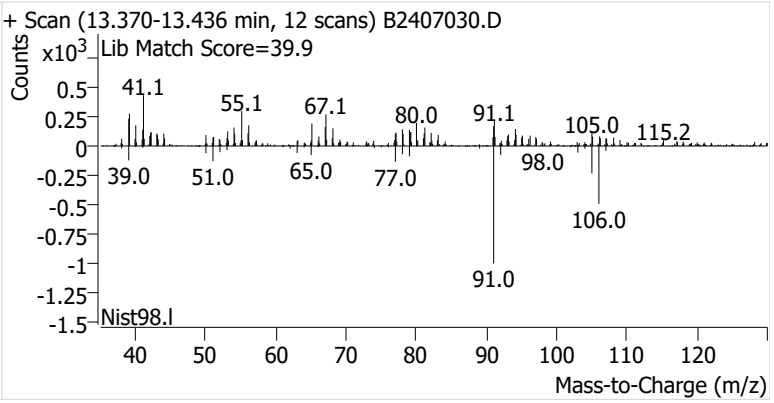
Ethylbenzene



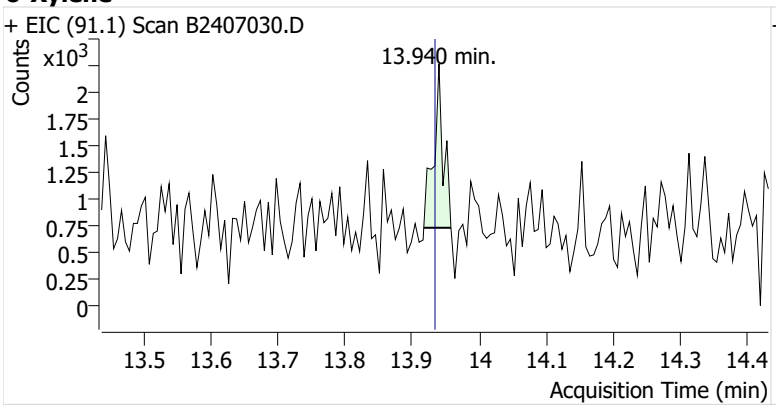


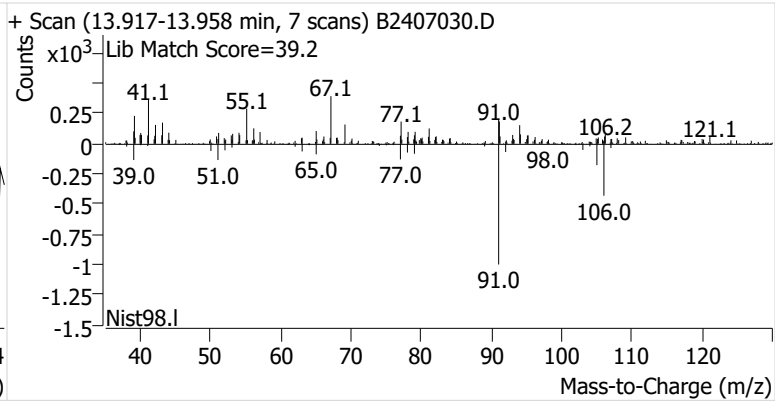
m-/p-Xylenes





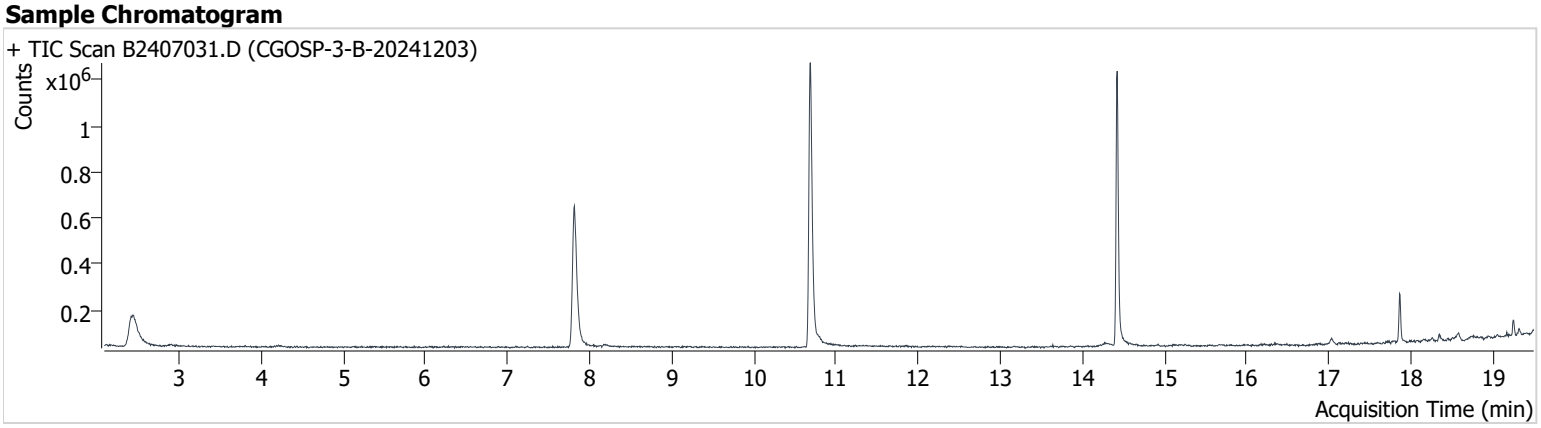
o-Xylene


+ EIC (91.1) Scan B2407030.D
Counts
x10^3
13.940 min.
2
1.75
1.5
1.25
1
0.75
0.5
0.25
0
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
14.4
Acquisition Time (min)


+ Scan (13.917-13.958 min, 7 scans) B2407030.D
Counts
x10^3
Lib Match Score=39.2
41.1
55.1
67.1
77.1
91.0
106.2
121.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
0.25
0
-0.25
-0.5
-0.75
-1
-1.25
-1.5
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

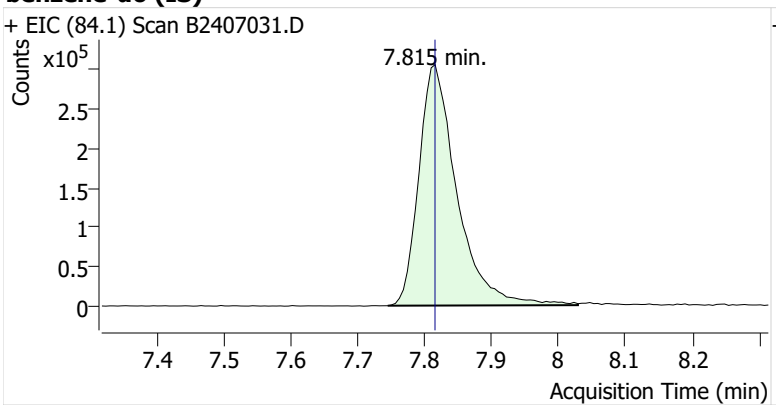
Name	CGOSP-3-B-20241203
Comment	C01489
Data File	B2407031.D
Acq. Date-Time	12/20/2024 6:02:12 PM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

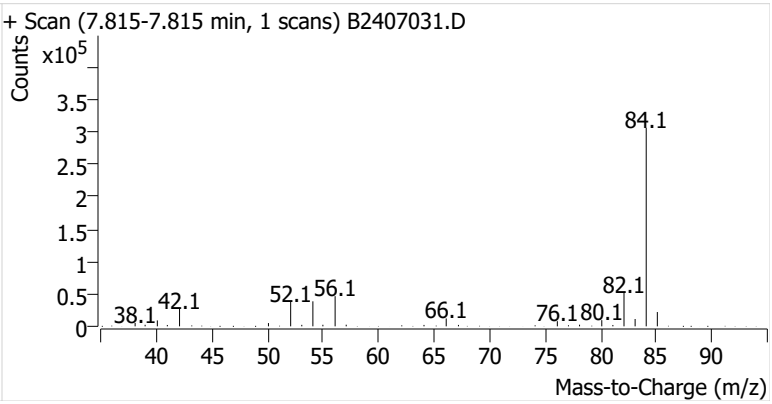
Sample Chromatogram



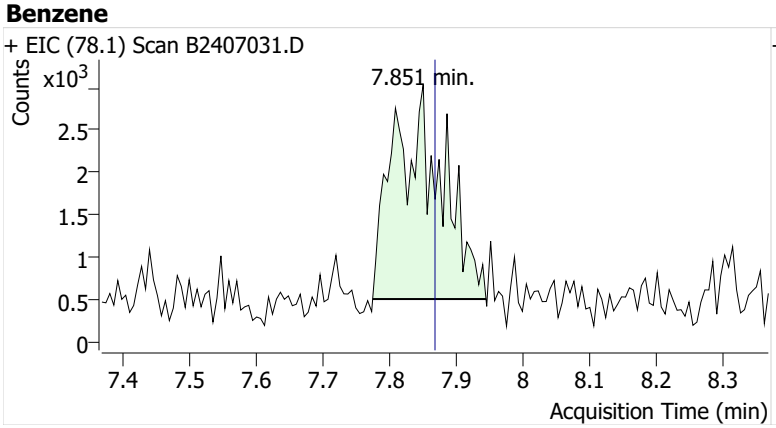
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.815	7.815	1,208,483	
Benzene	benzene-d6 (IS)	7.851	7.868	12,466	
Toluene-d8 (IS)		10.688	10.693	1,356,852	
Toluene	Toluene-d8 (IS)	10.789	10.794	16,586	
Ethylbenzene	Toluene-d8 (IS)	13.186	13.198	2,986	m
m-/p-Xylenes	Toluene-d8 (IS)	13.186	13.412	ND	m
o-Xylene	Toluene-d8 (IS)	14.415	13.934	ND	m

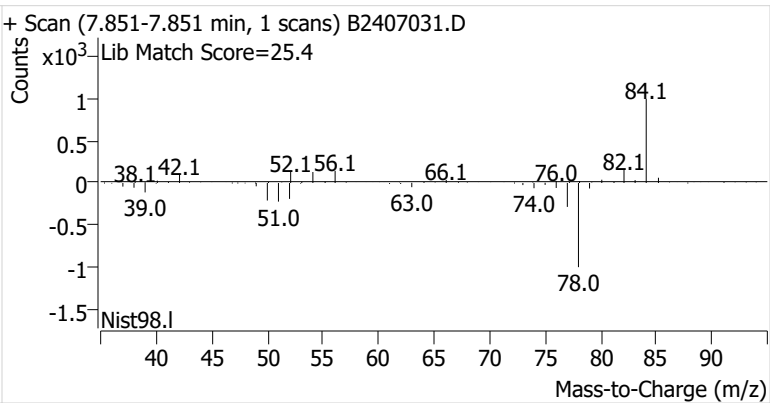
benzene-d6 (IS)



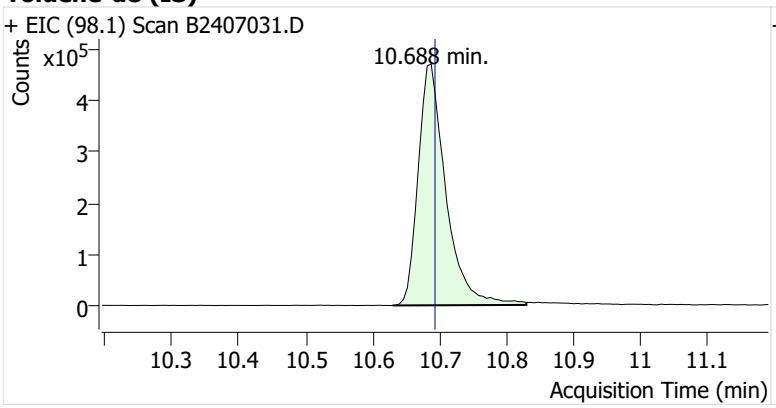


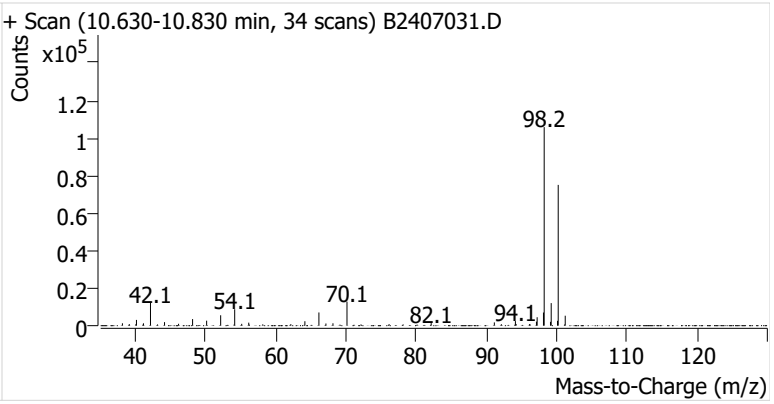
Benzene



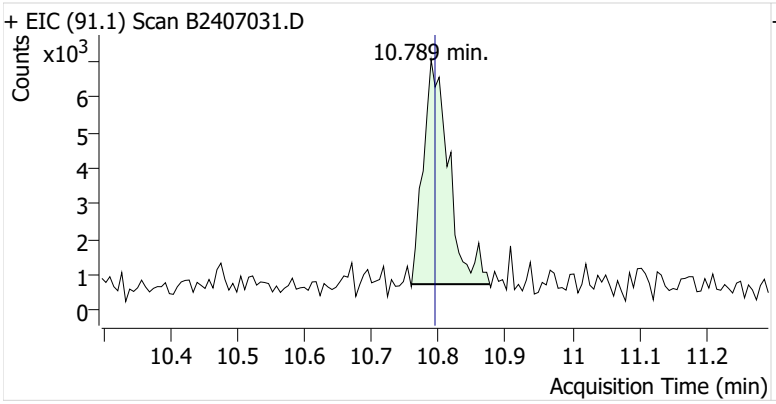


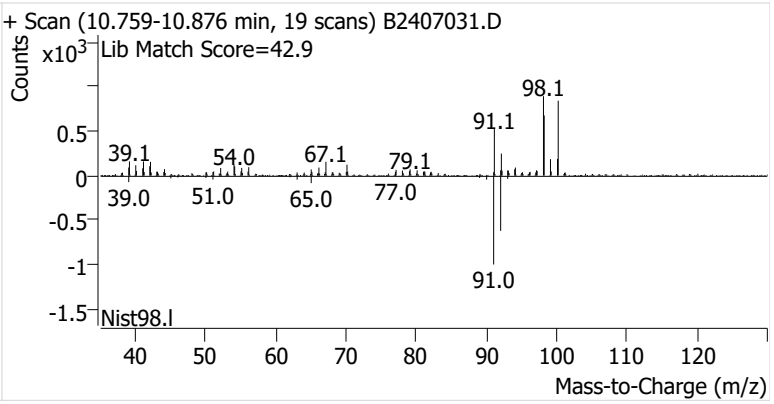
Toluene-d8 (IS)



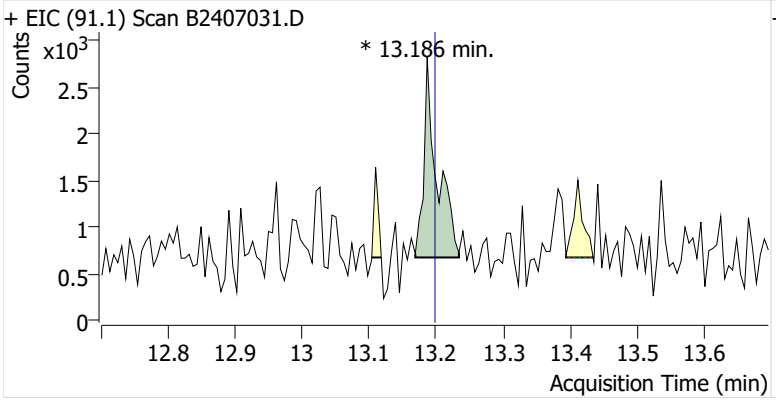


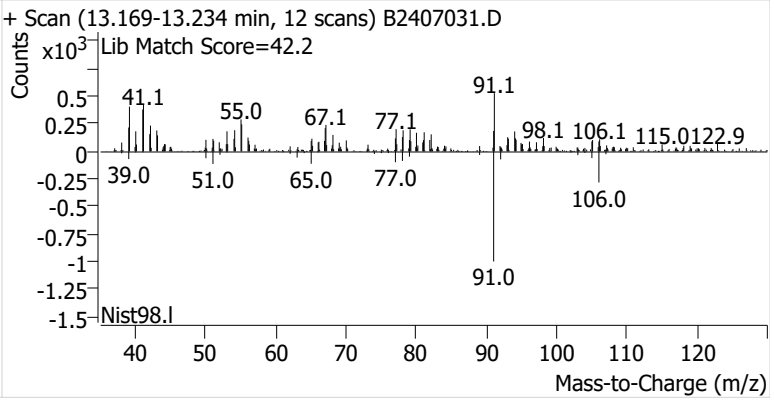
Toluene



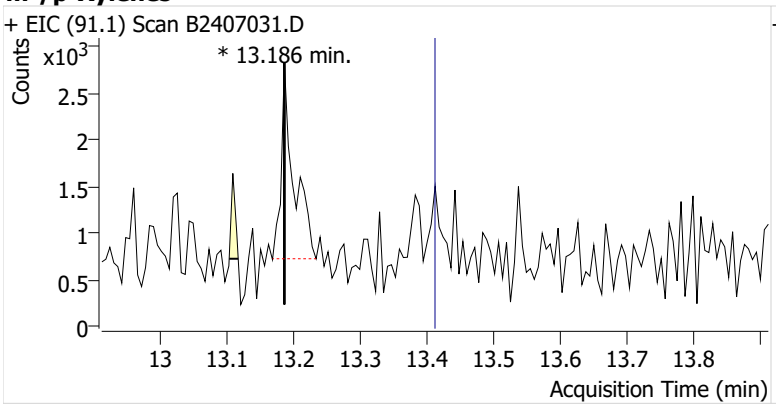


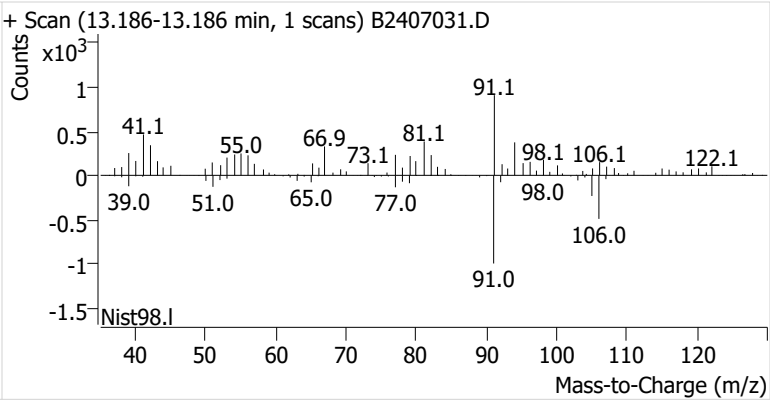
Ethylbenzene



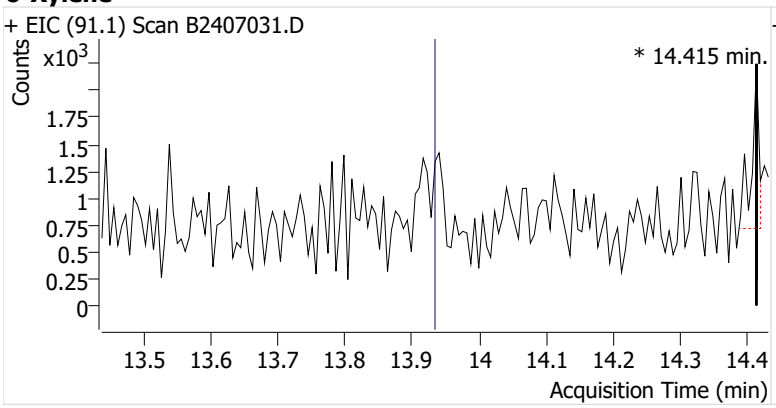


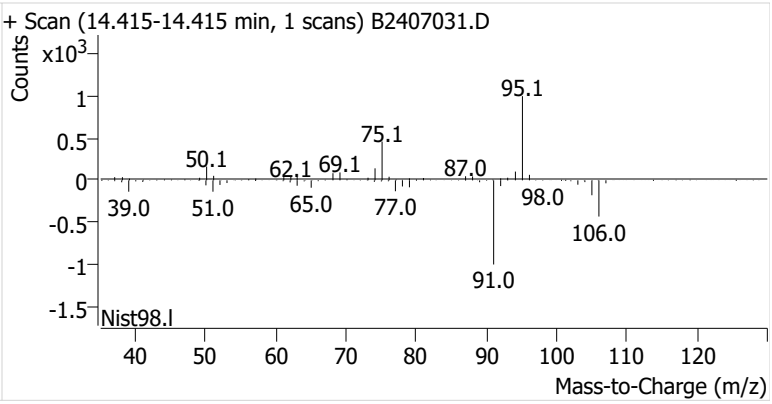
m-/p-Xylenes





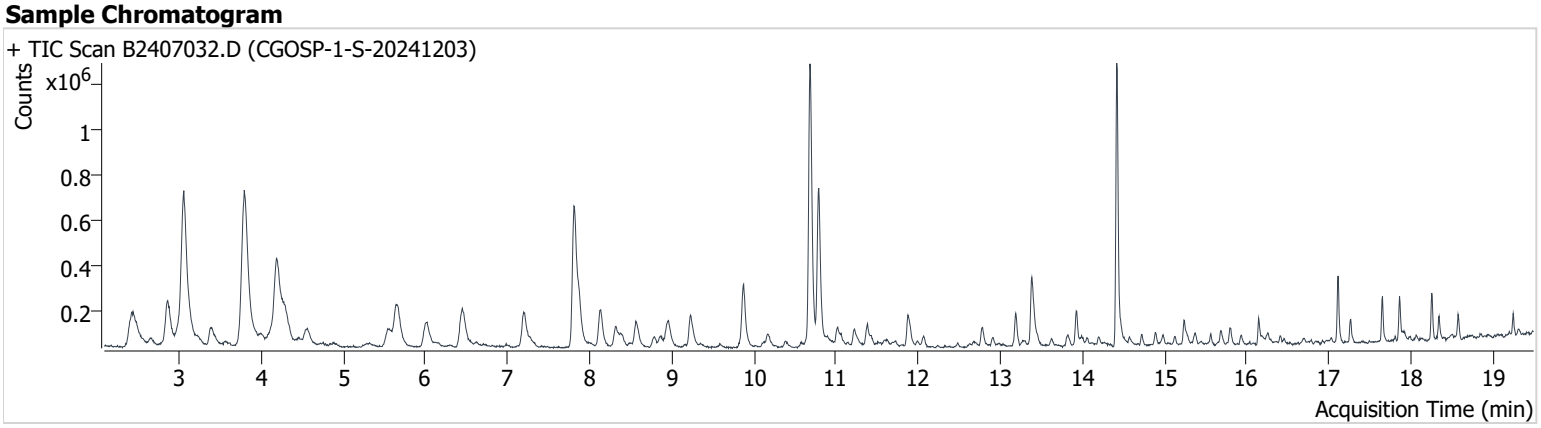
o-Xylene


+ EIC (91.1) Scan B2407031.D
Counts
x10^3
* 14.415 min.
1.75
1.5
1.25
1
0.75
0.5
0.25
0
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
14.4
Acquisition Time (min)


+ Scan (14.415-14.415 min, 1 scans) B2407031.D
Counts
x10^3
1
0.5
0
-0.5
-1
-1.5
95.1
75.1
50.1
62.1
69.1
87.0
98.0
39.0
51.0
65.0
77.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

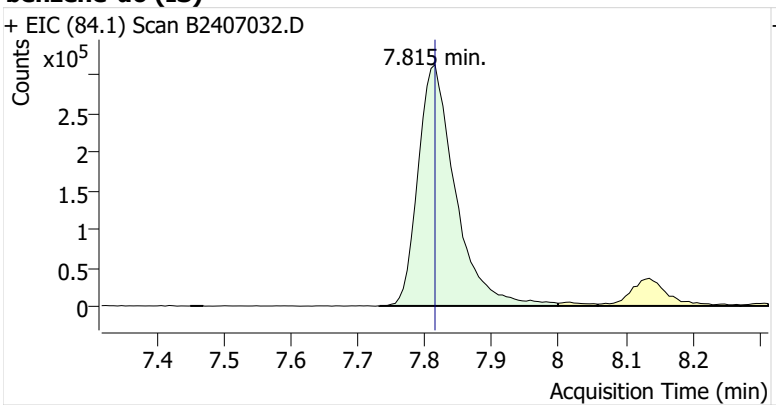
Name	CGOSP-1-S-20241203
Comment	C00835
Data File	B2407032.D
Acq. Date-Time	12/20/2024 6:39:37 PM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

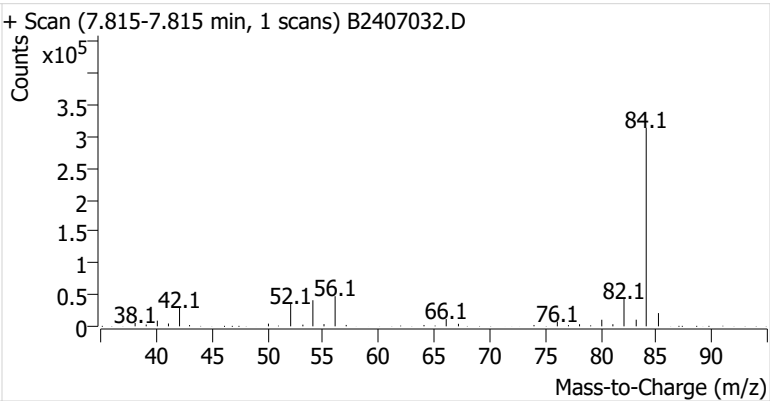
Sample Chromatogram



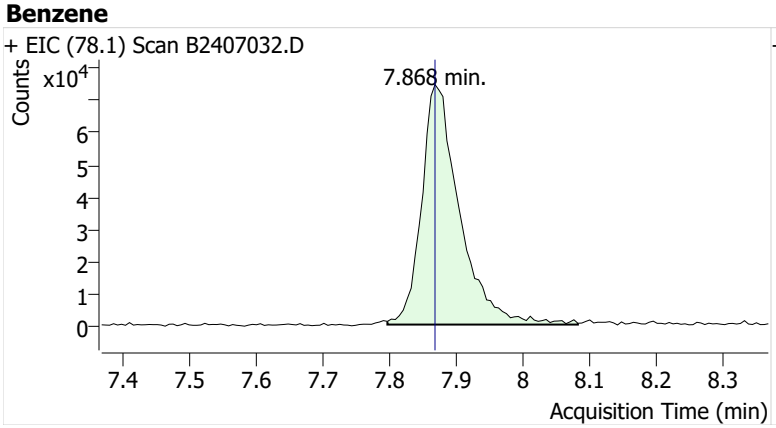
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.815	7.815	1,213,017	
Benzene	benzene-d6 (IS)	7.868	7.868	294,477	
Toluene-d8 (IS)		10.682	10.693	1,371,349	
Toluene	Toluene-d8 (IS)	10.788	10.794	775,303	
Ethylbenzene	Toluene-d8 (IS)	13.186	13.198	145,262	
m-/p-Xylenes	Toluene-d8 (IS)	13.382	13.412	336,714	
o-Xylene	Toluene-d8 (IS)	13.922	13.934	121,088	

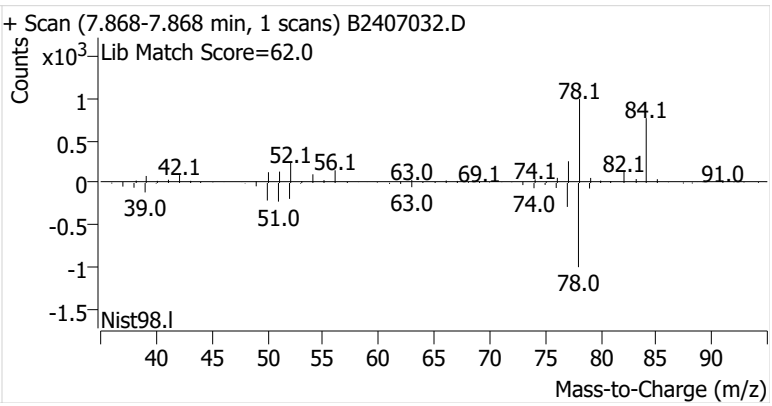
benzene-d6 (IS)



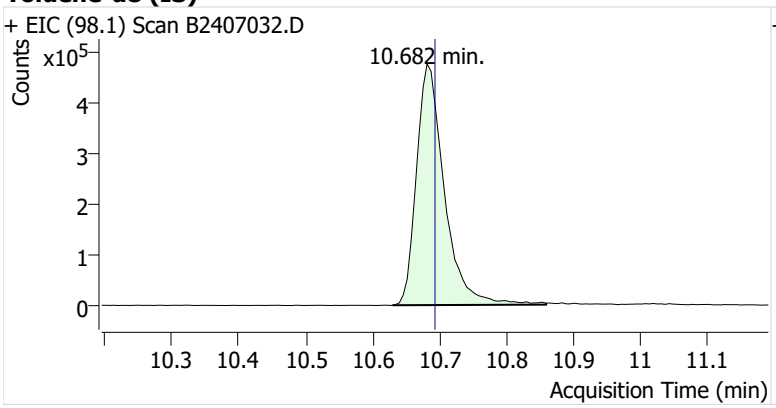


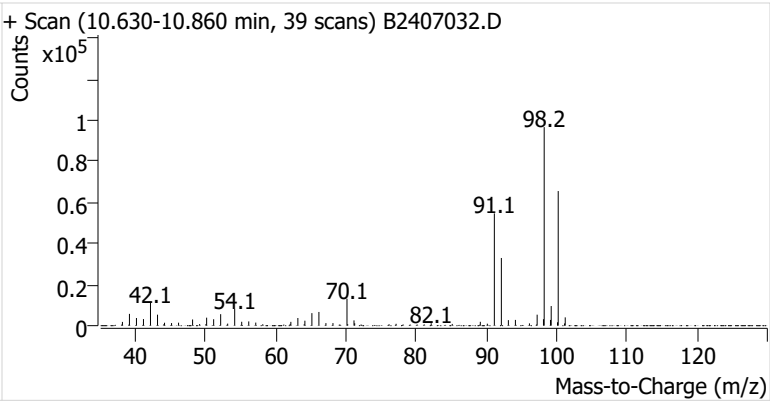
Benzene



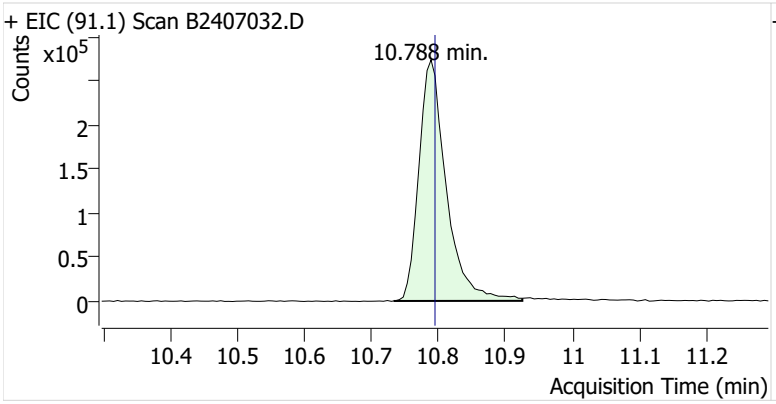


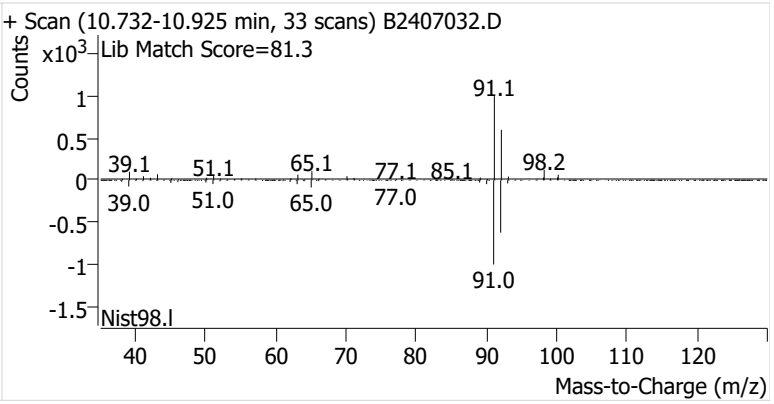
Toluene-d8 (IS)



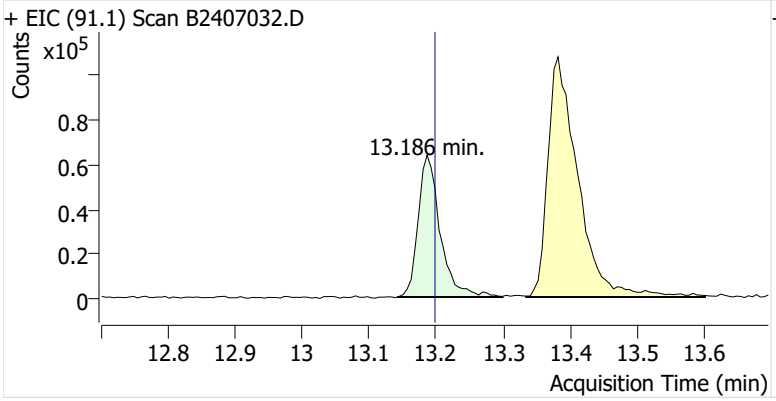


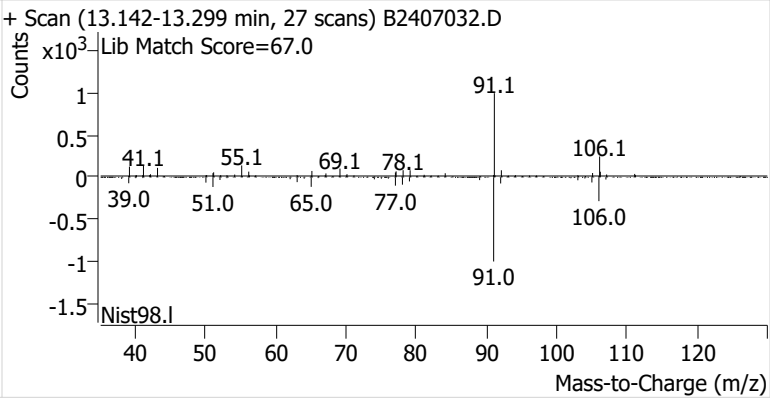
Toluene



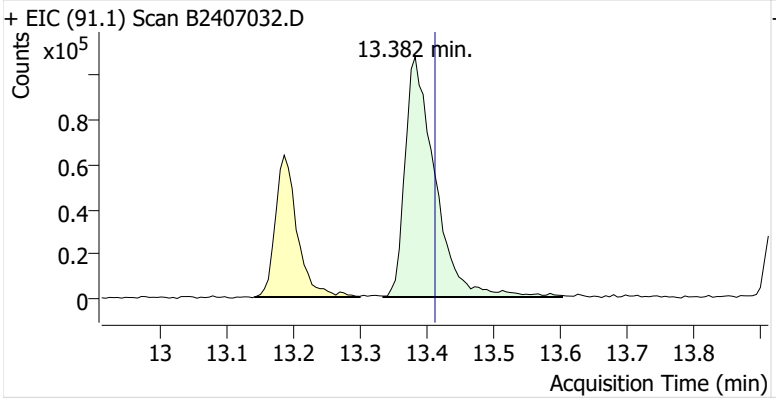


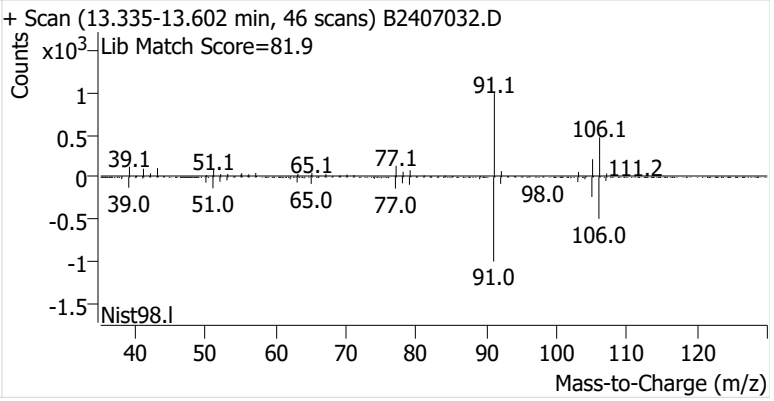
Ethylbenzene



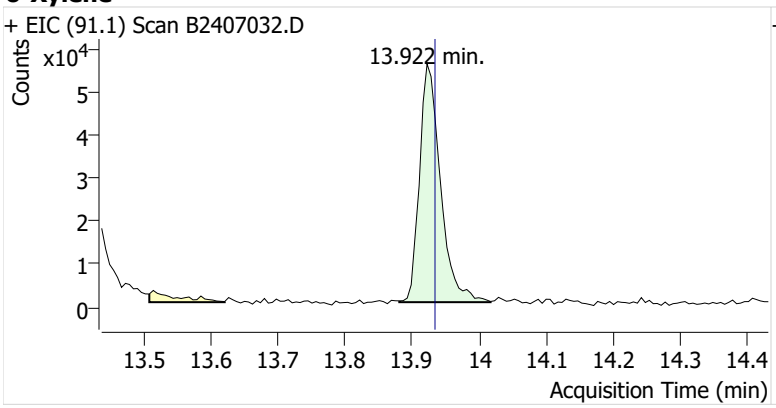


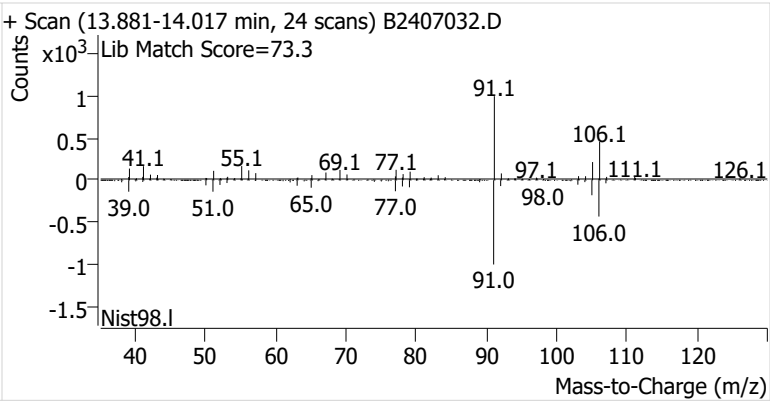
m-/p-Xylenes





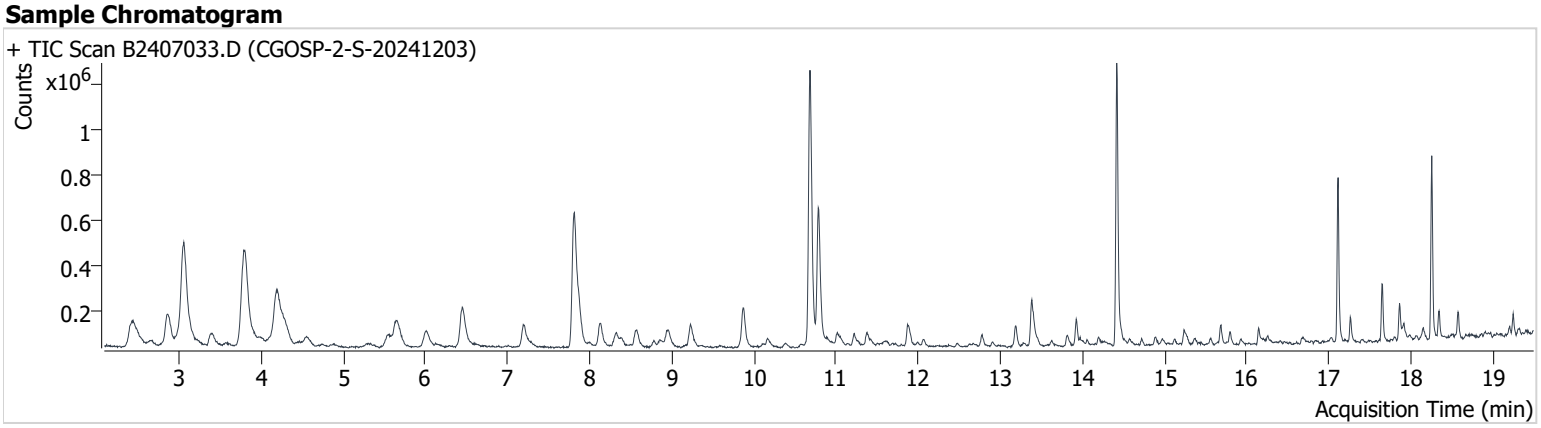
o-Xylene


+ EIC (91.1) Scan B2407032.D
Counts
x10^4
13.922 min.
Acquisition Time (min)


+ Scan (13.881-14.017 min, 24 scans) B2407032.D
Counts
x10^3
Lib Match Score=73.3
91.1
106.1
41.1
55.1
69.1
77.1
97.1
111.1
126.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
Mass-to-Charge (m/z)

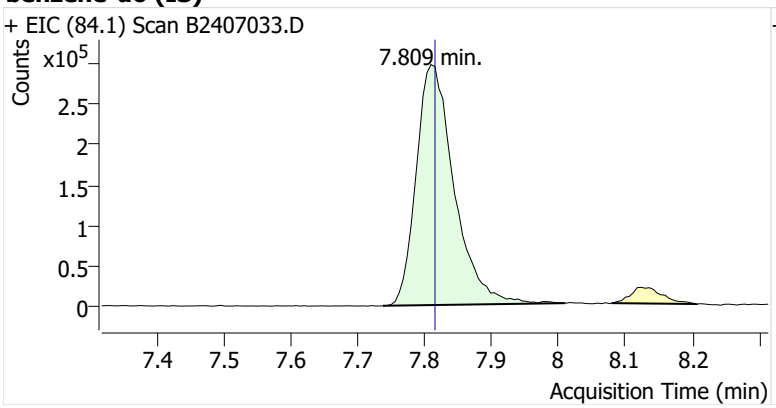
Name	CGOSP-2-S-20241203
Comment	B46931
Data File	B2407033.D
Acq. Date-Time	12/20/2024 7:17:01 PM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

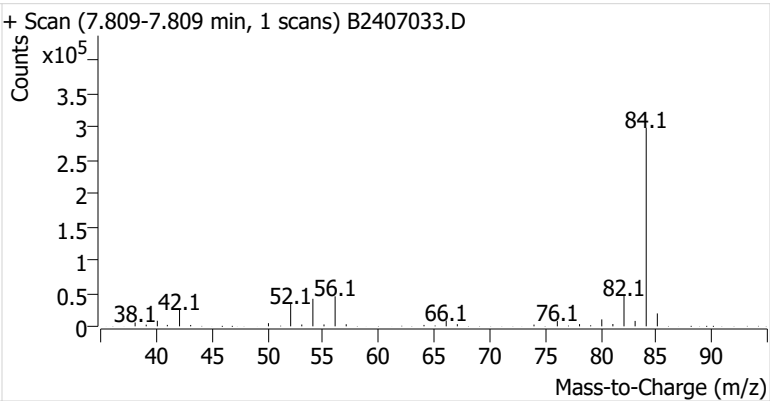
Sample Chromatogram



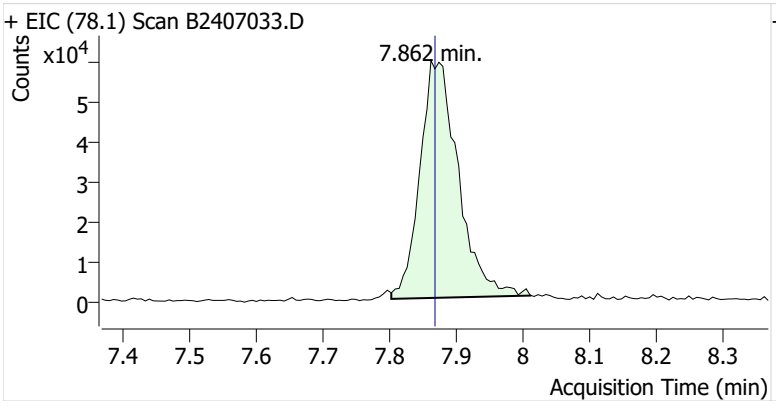
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.809	7.815	1,172,777	
Benzene	benzene-d6 (IS)	7.862	7.868	237,932	
Toluene-d8 (IS)		10.681	10.693	1,356,189	
Toluene	Toluene-d8 (IS)	10.788	10.794	702,918	
Ethylbenzene	Toluene-d8 (IS)	13.186	13.198	89,103	
m-/p-Xylenes	Toluene-d8 (IS)	13.382	13.412	212,377	
o-Xylene	Toluene-d8 (IS)	13.922	13.934	90,023	

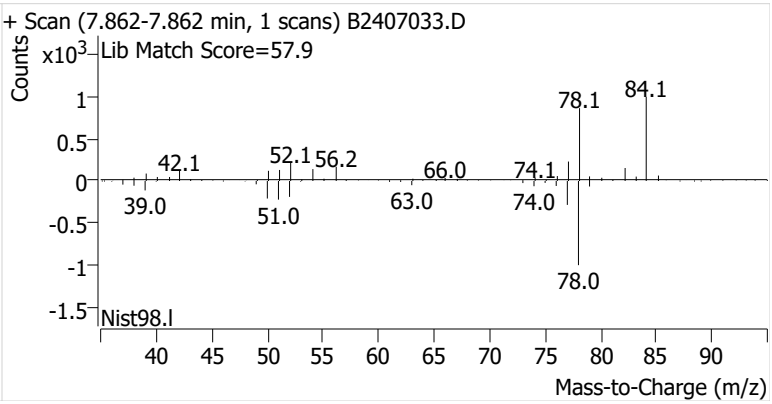
benzene-d6 (IS)



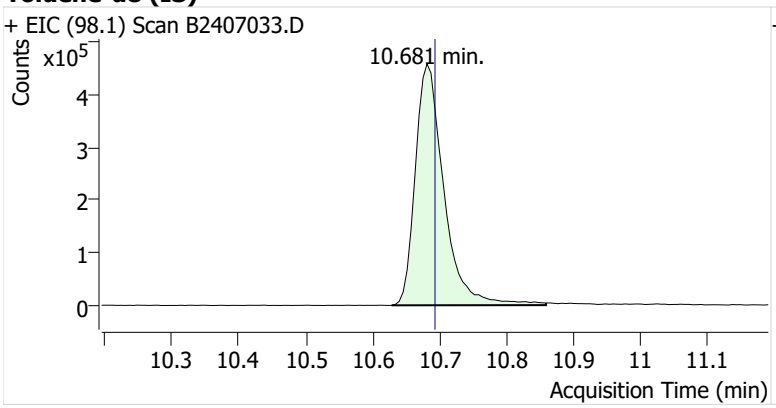


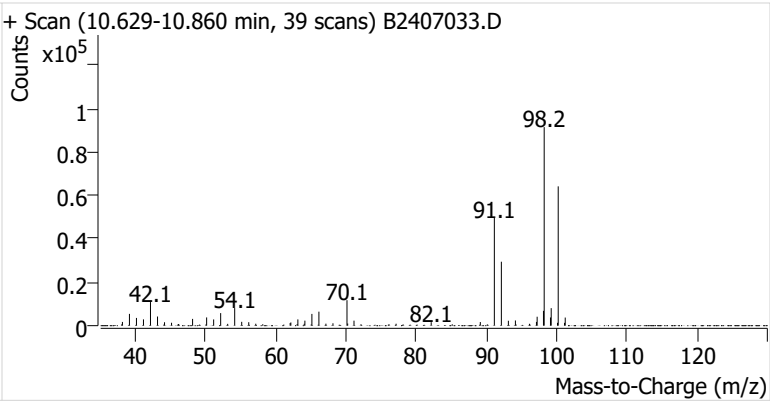
Benzene



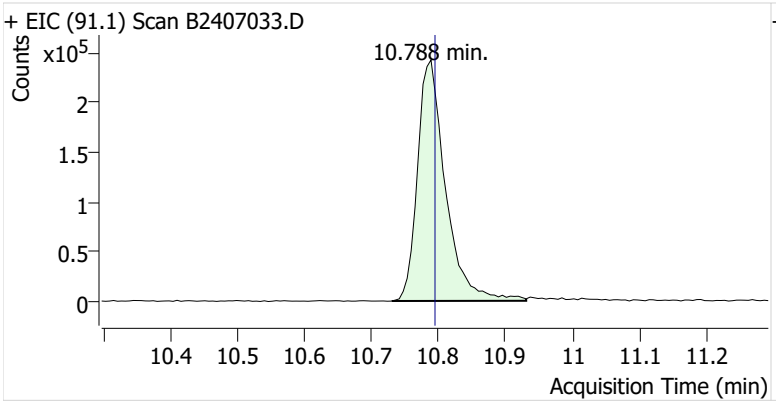


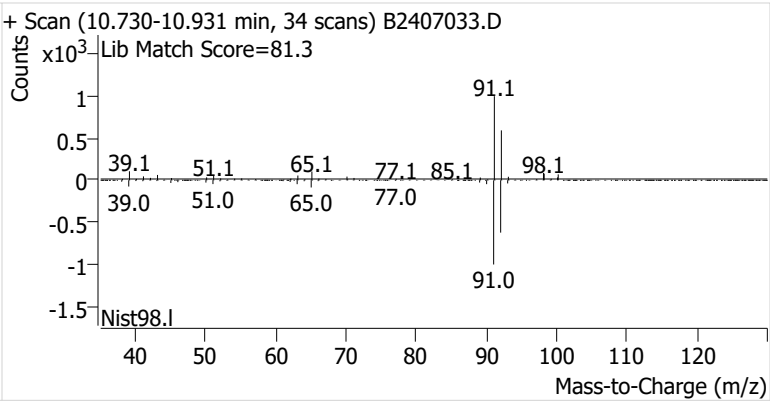
Toluene-d8 (IS)



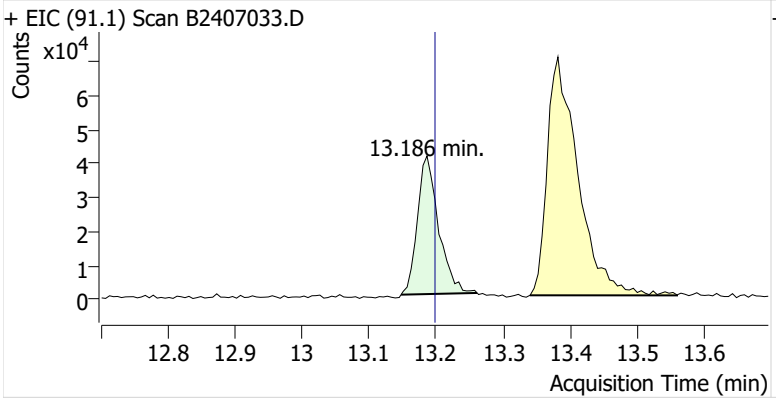


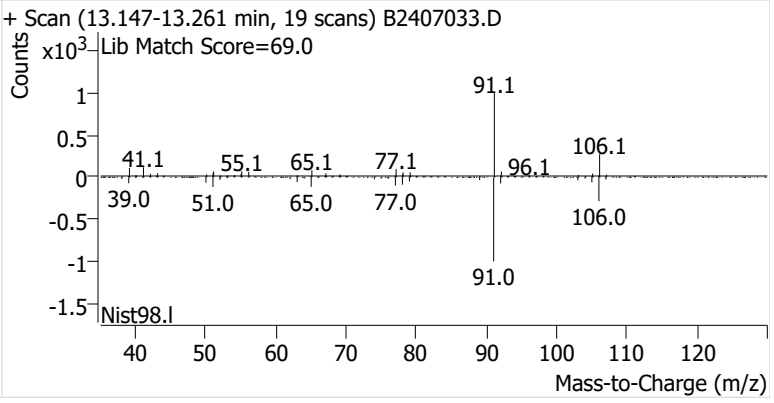
Toluene



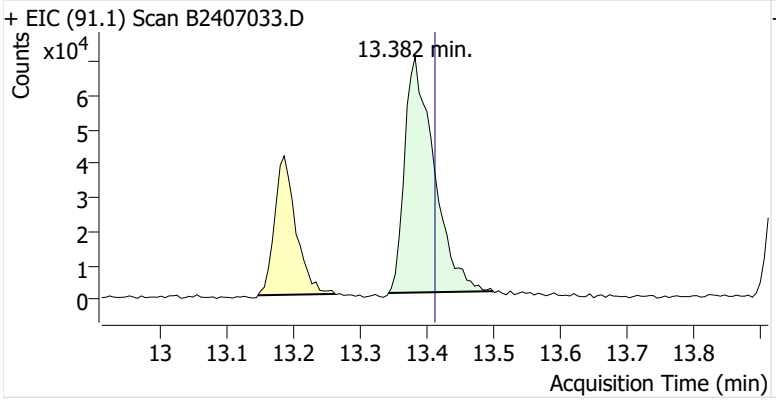


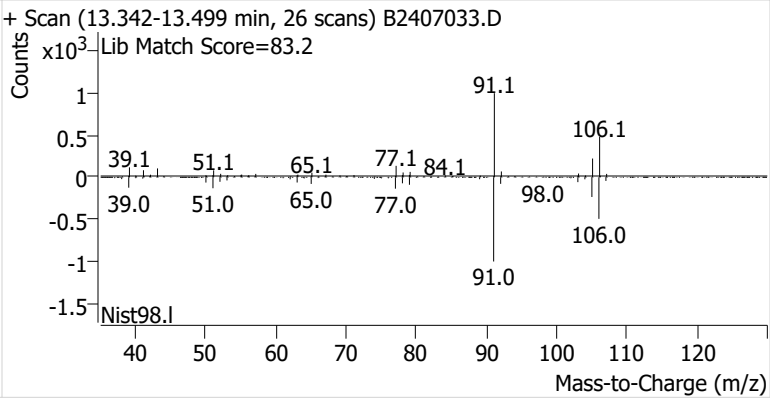
Ethylbenzene



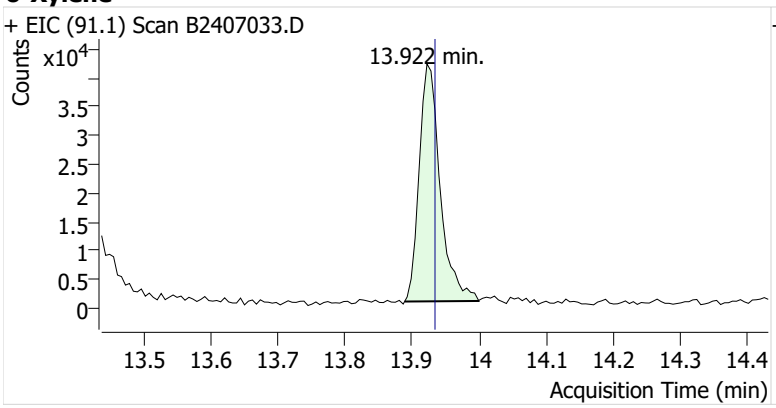


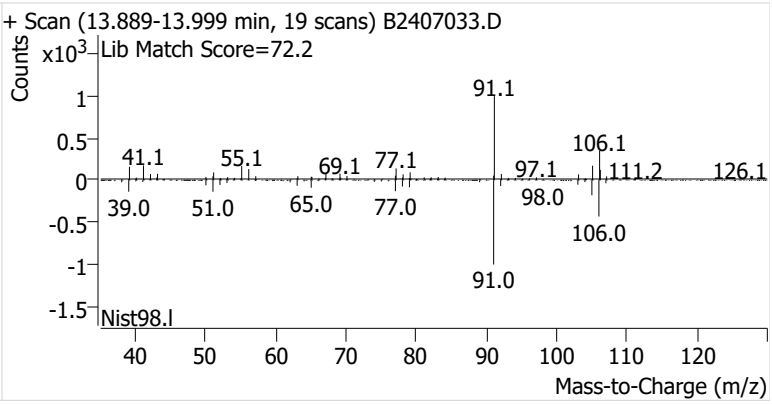
m-/p-Xylenes





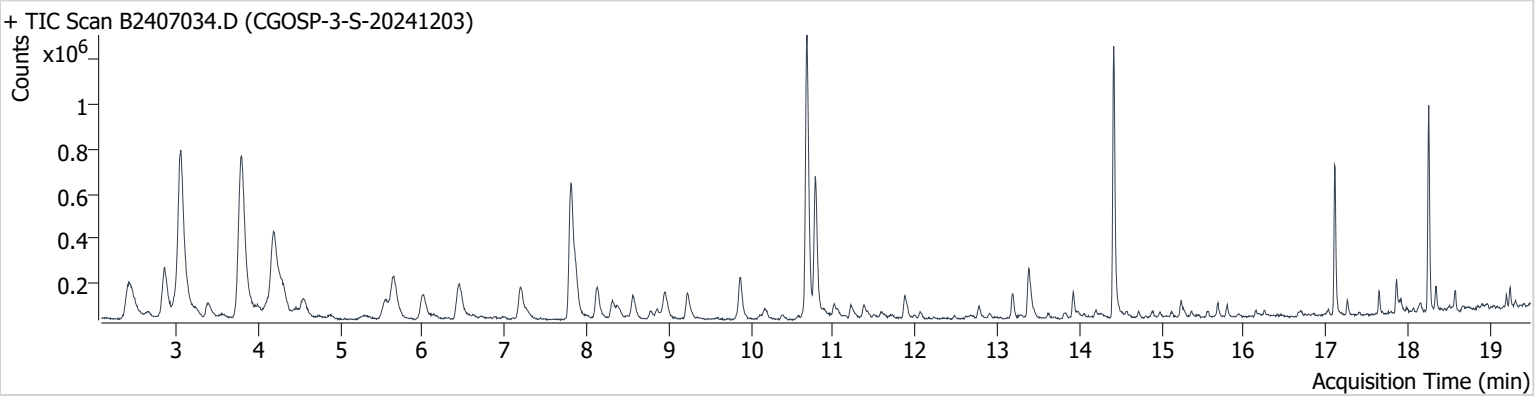
o-Xylene


+ EIC (91.1) Scan B2407033.D
Counts
x10^4
13.922 min.
3.5
3
2.5
2
1.5
1
0.5
0
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)


+ Scan (13.889-13.999 min, 19 scans) B2407033.D
Counts
x10^3
Lib Match Score=72.2
91.1
106.1
41.1
55.1
69.1
77.1
97.1
111.2
126.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

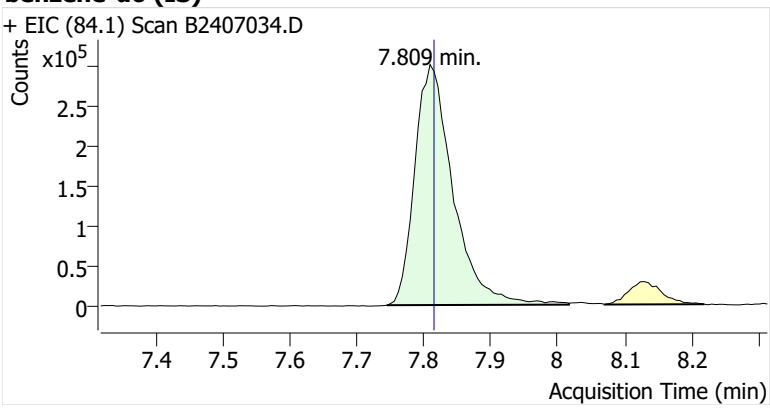
Name	CGOSP-3-S-20241203
Comment	B34780
Data File	B2407034.D
Acq. Date-Time	12/20/2024 7:54:22 PM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

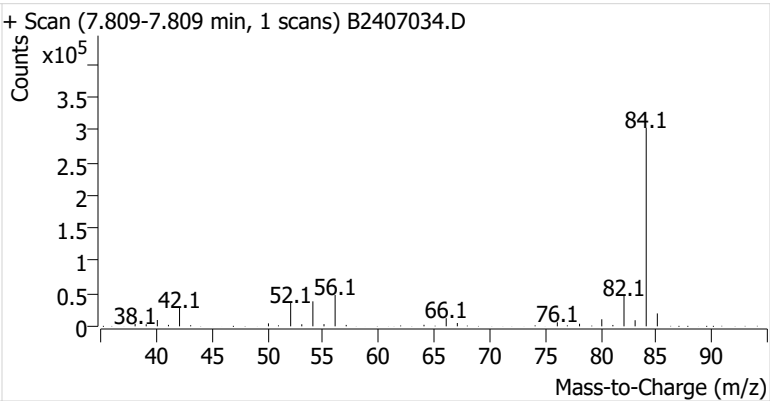
Sample Chromatogram



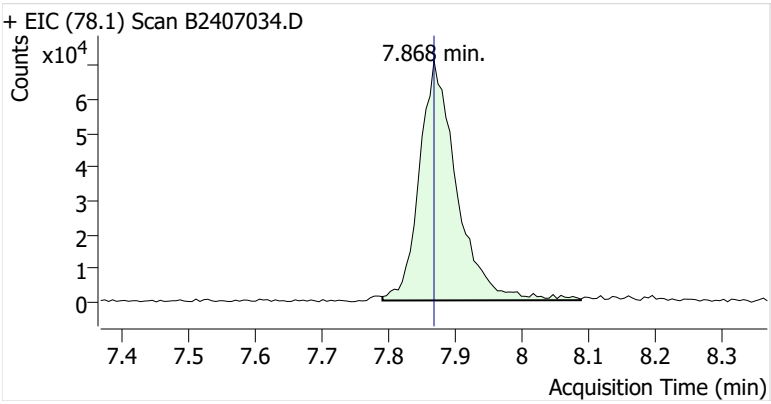
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.809	7.815	1,201,457	
Benzene	benzene-d6 (IS)	7.868	7.868	275,567	
Toluene-d8 (IS)		10.682	10.693	1,352,336	
Toluene	Toluene-d8 (IS)	10.788	10.794	700,066	
Ethylbenzene	Toluene-d8 (IS)	13.186	13.198	120,412	
m-/p-Xylenes	Toluene-d8 (IS)	13.382	13.412	244,985	
o-Xylene	Toluene-d8 (IS)	13.922	13.934	89,457	

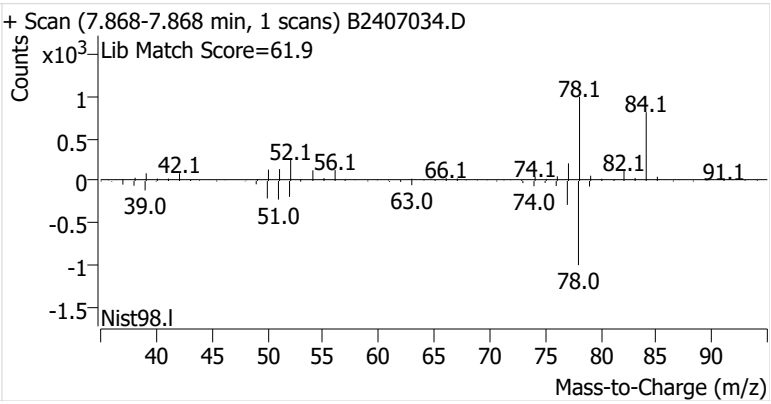
benzene-d6 (IS)



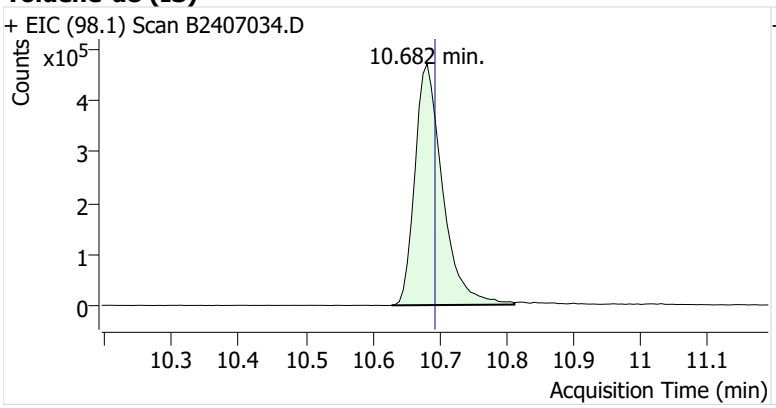


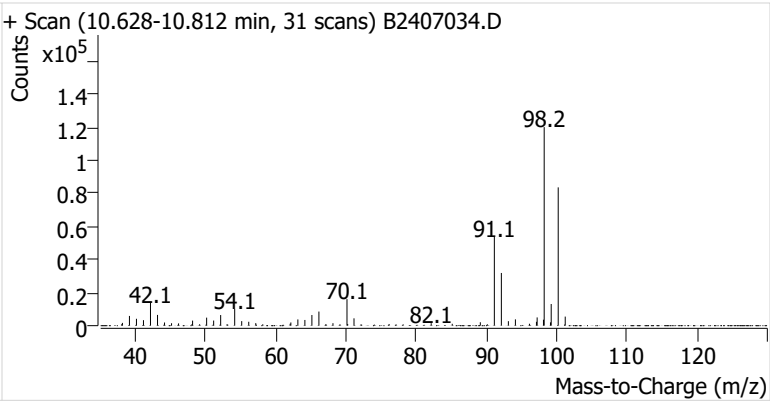
Benzene



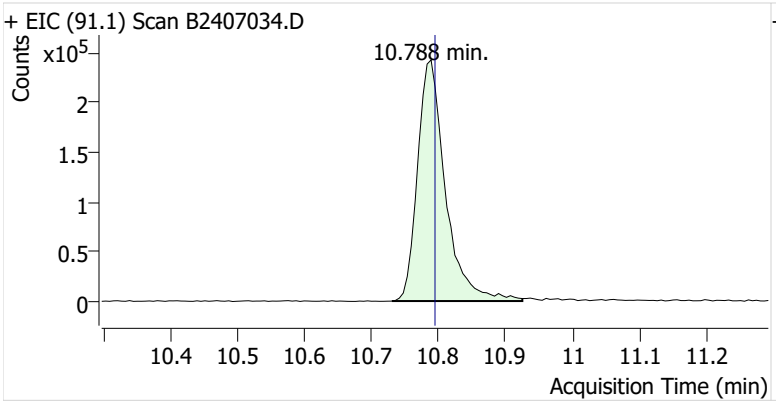


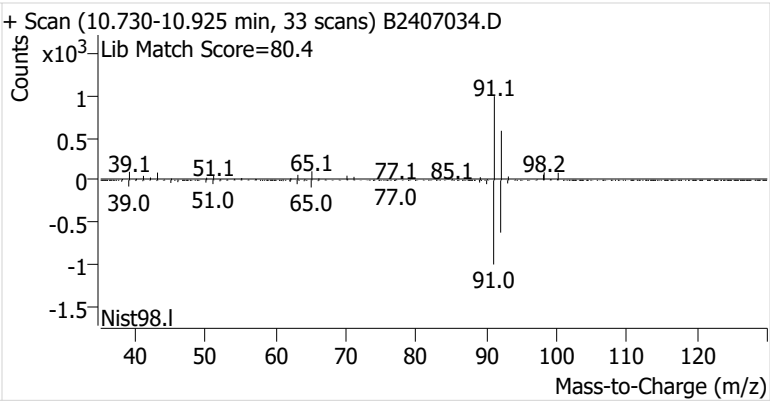
Toluene-d8 (IS)



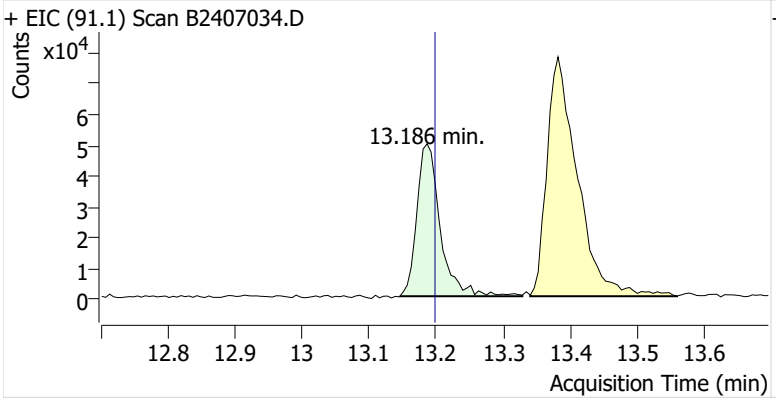


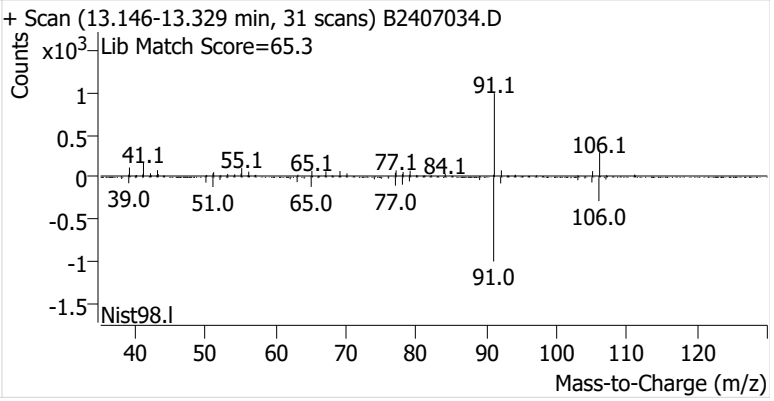
Toluene



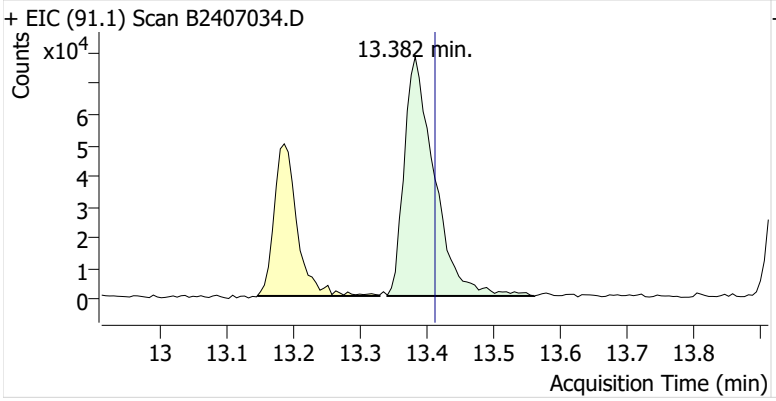


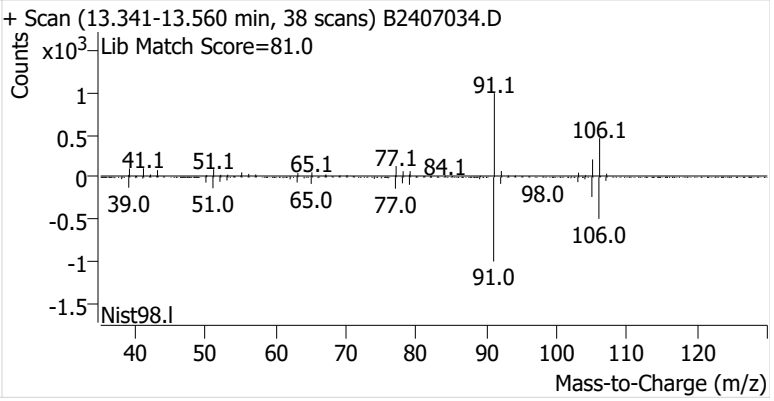
Ethylbenzene



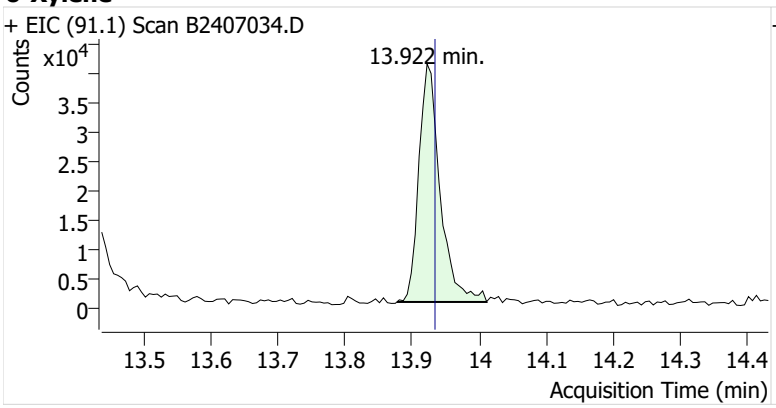


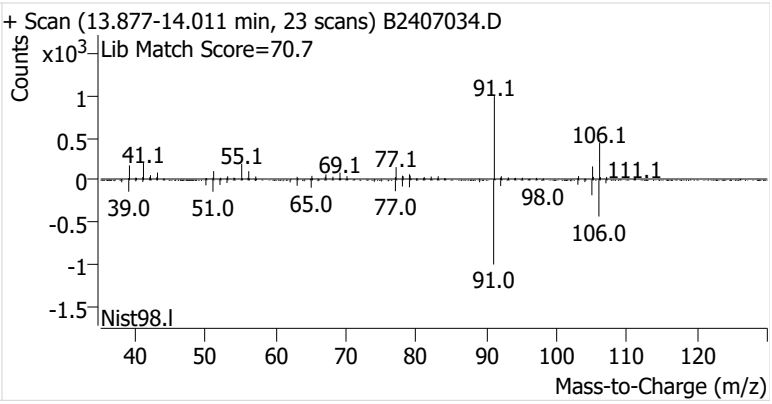
m-/p-Xylenes





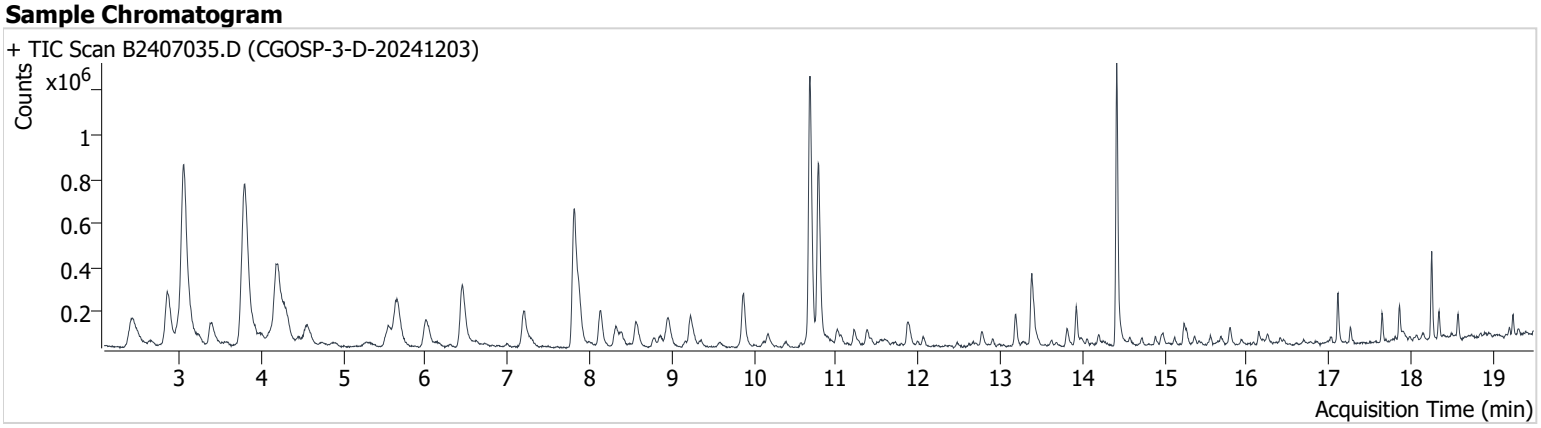
o-Xylene


+ EIC (91.1) Scan B2407034.D
Counts
x10^4
13.922 min.
3.5
3
2.5
2
1.5
1
0.5
0
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)


+ Scan (13.877-14.011 min, 23 scans) B2407034.D
Counts
x10^3
Lib Match Score=70.7
91.1
106.1
41.1
55.1
69.1
77.1
111.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

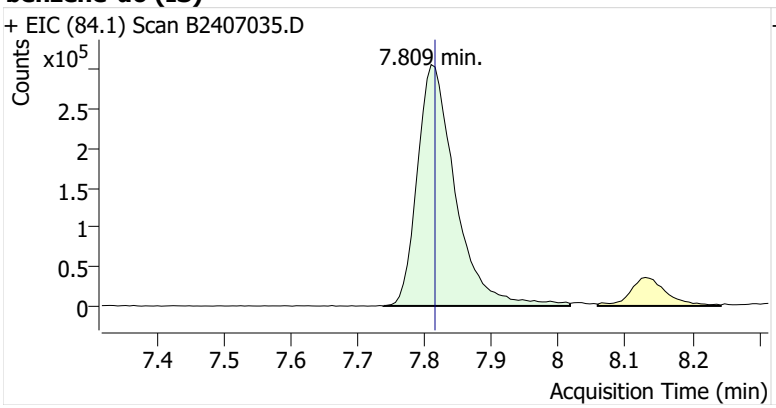
Name	CGOSP-3-D-20241203
Comment	B31228
Data File	B2407035.D
Acq. Date-Time	12/20/2024 8:31:46 PM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

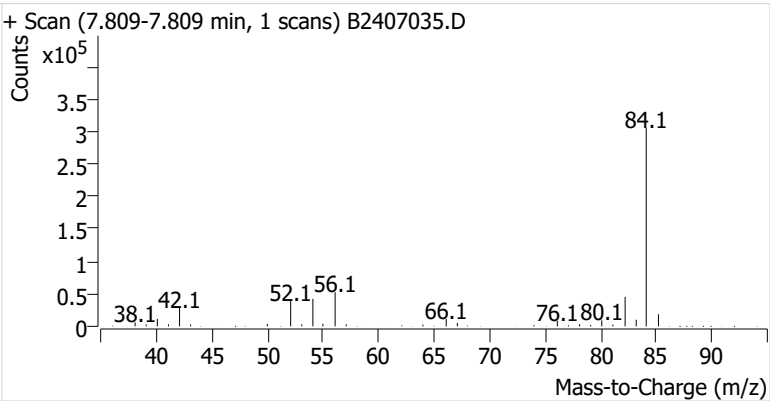
Sample Chromatogram



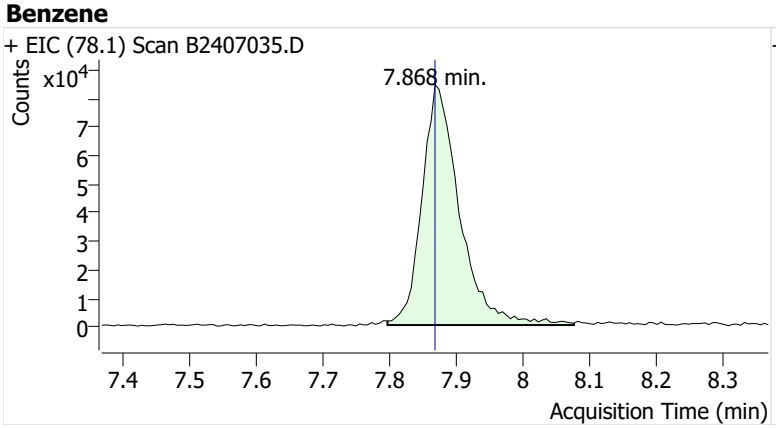
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.809	7.815	1,206,295	
Benzene	benzene-d6 (IS)	7.868	7.868	329,405	
Toluene-d8 (IS)		10.682	10.693	1,359,100	
Toluene	Toluene-d8 (IS)	10.783	10.794	956,010	
Ethylbenzene	Toluene-d8 (IS)	13.186	13.198	144,354	
m-/p-Xylenes	Toluene-d8 (IS)	13.382	13.412	343,715	
o-Xylene	Toluene-d8 (IS)	13.922	13.934	133,305	

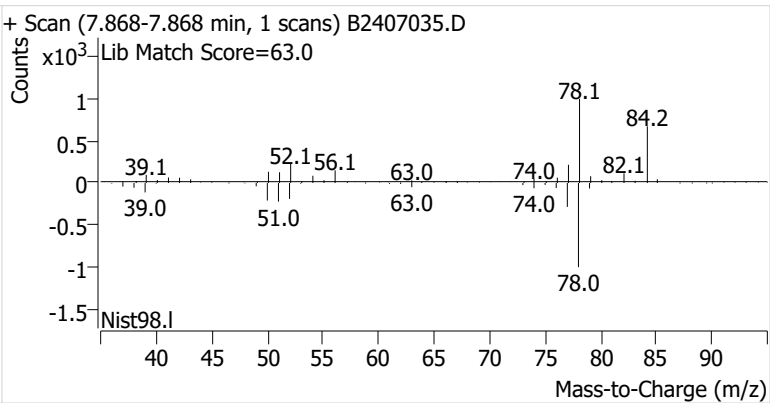
benzene-d6 (IS)



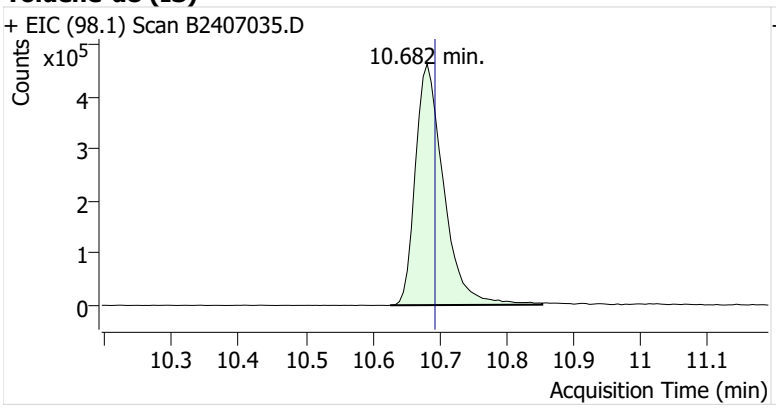


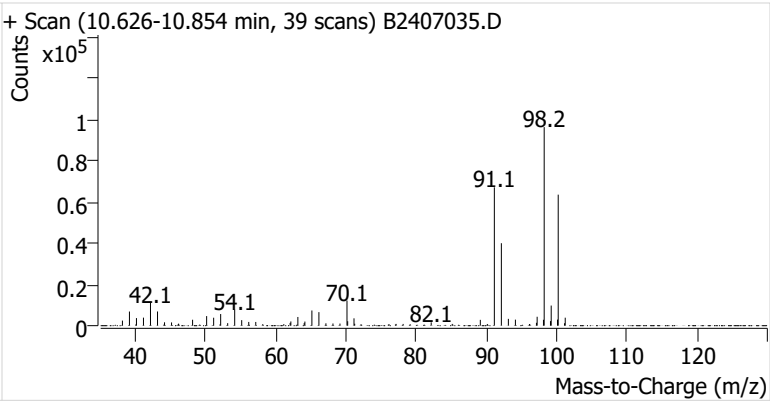
Benzene



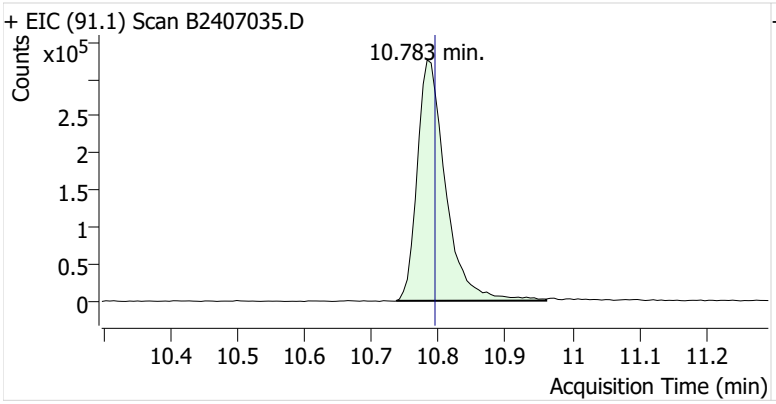


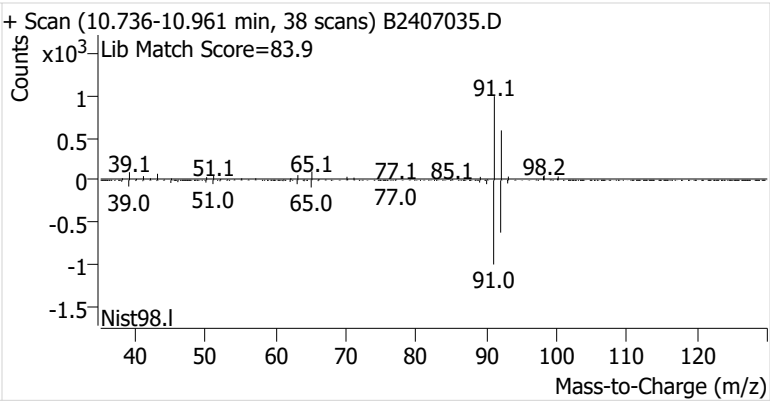
Toluene-d8 (IS)



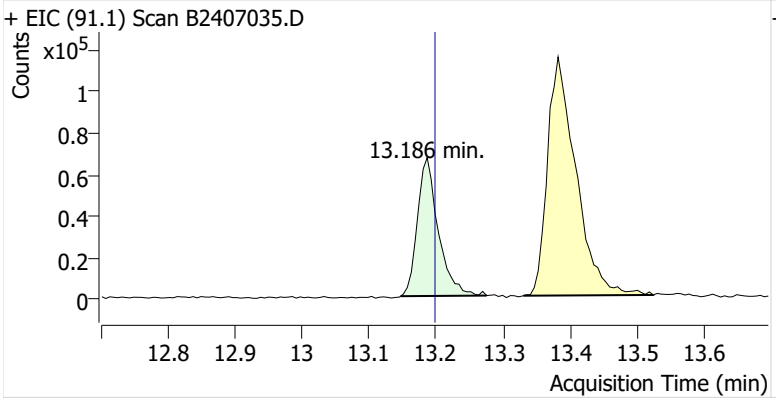


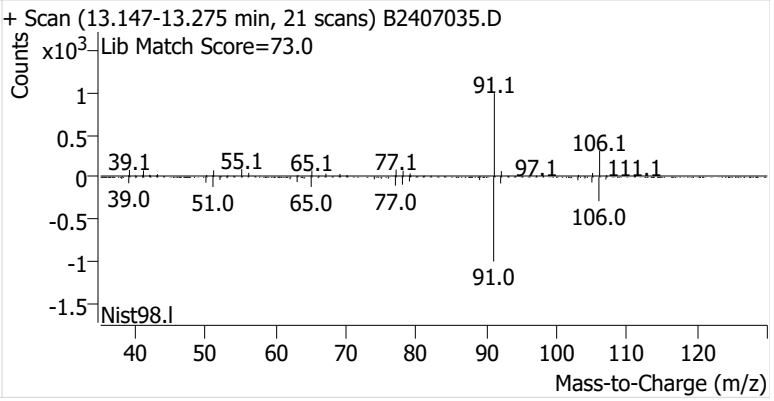
Toluene



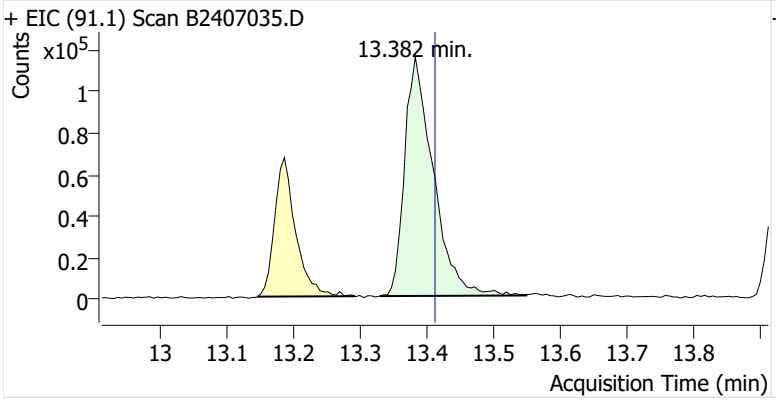


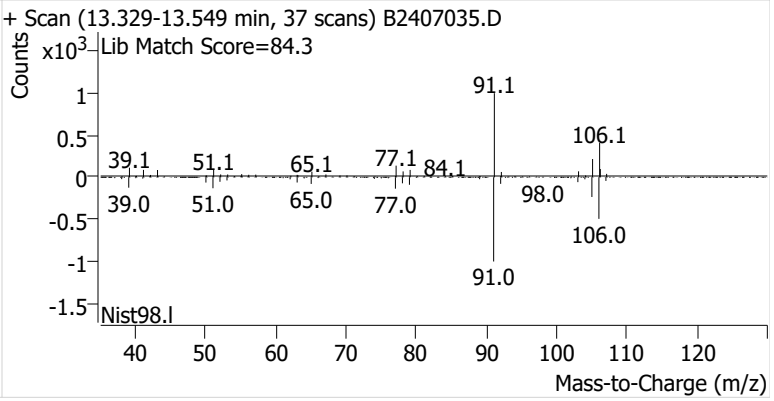
Ethylbenzene



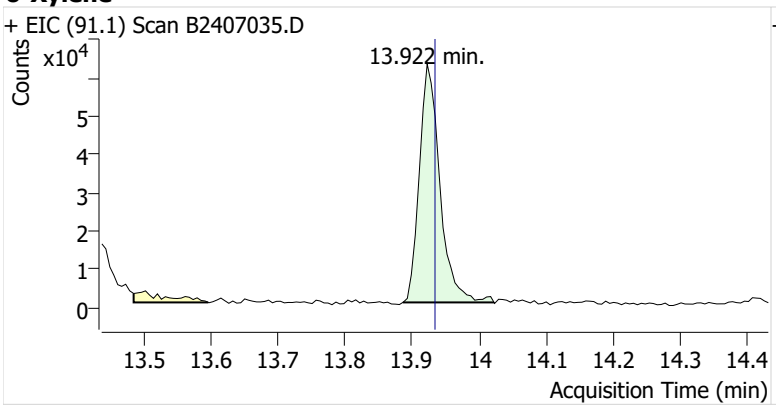


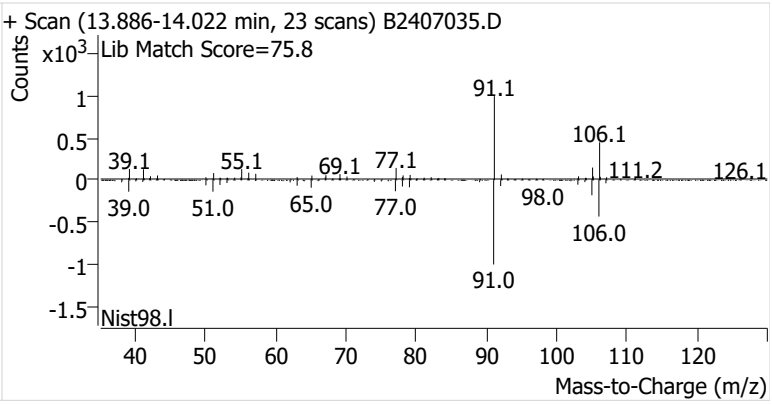
m-/p-Xylenes





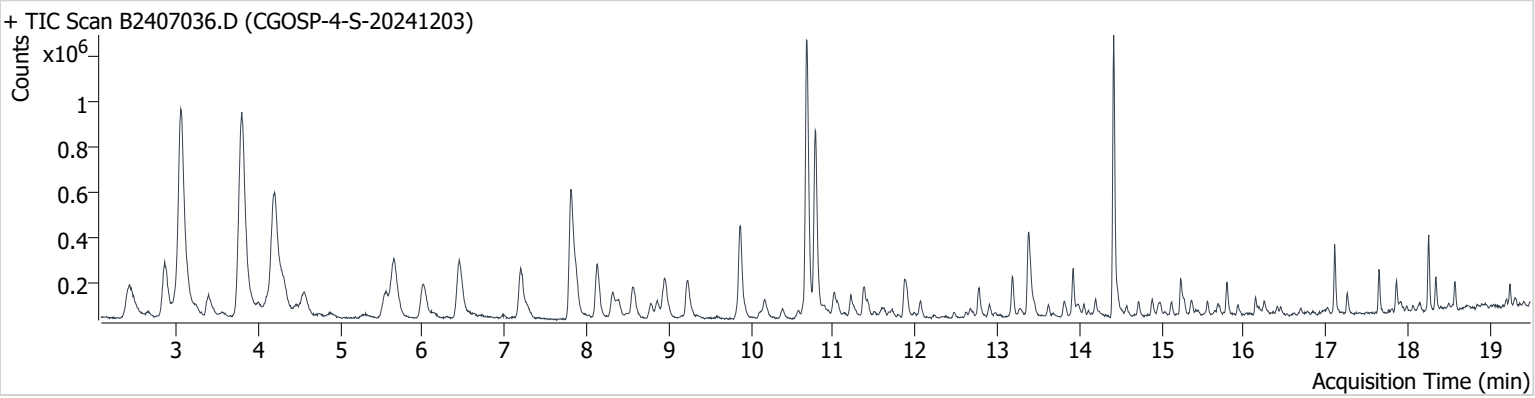
o-Xylene


+ EIC (91.1) Scan B2407035.D
Counts
x10^4
13.922 min.
5
4
3
2
1
0
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)


+ Scan (13.886-14.022 min, 23 scans) B2407035.D
Counts
x10^3
Lib Match Score=75.8
1
0.5
0
-0.5
-1
-1.5
91.1
106.1
39.1
55.1
69.1
77.1
111.2
126.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

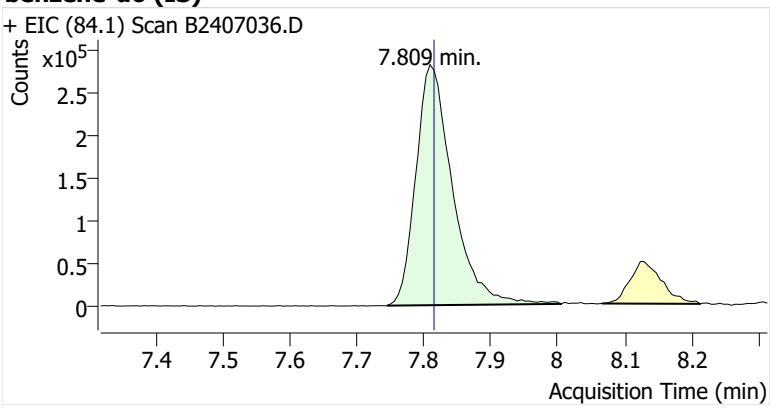
Name	CGOSP-4-S-20241203
Comment	B35460
Data File	B2407036.D
Acq. Date-Time	12/20/2024 9:09:11 PM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

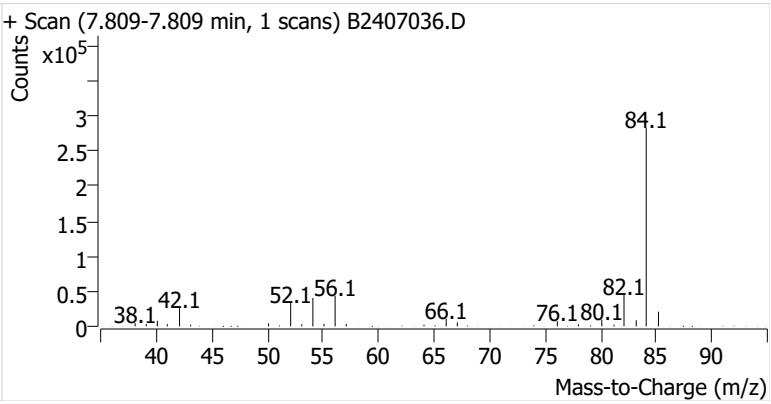
Sample Chromatogram



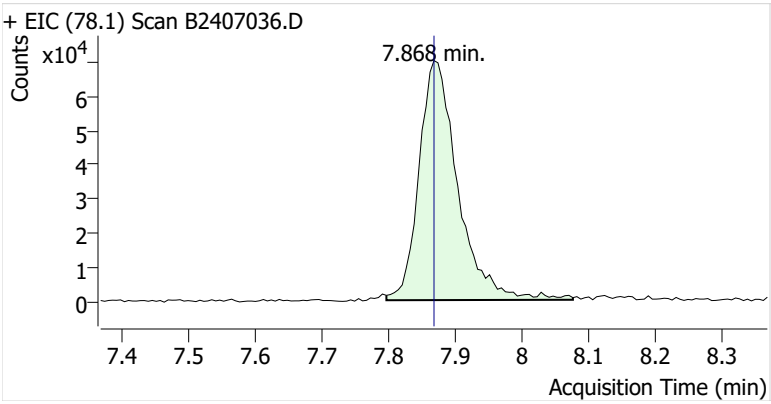
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.809	7.815	1,071,536	
Benzene	benzene-d6 (IS)	7.868	7.868	281,405	
Toluene-d8 (IS)		10.682	10.693	1,339,665	
Toluene	Toluene-d8 (IS)	10.788	10.794	935,658	
Ethylbenzene	Toluene-d8 (IS)	13.180	13.198	162,825	
m-/p-Xylenes	Toluene-d8 (IS)	13.376	13.412	397,072	
o-Xylene	Toluene-d8 (IS)	13.922	13.934	156,139	

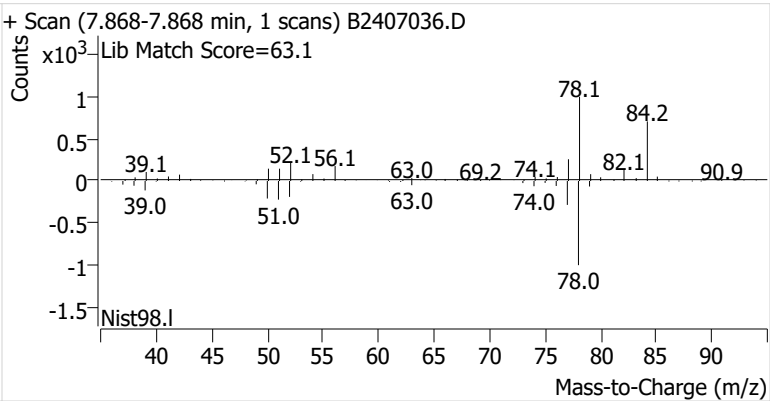
benzene-d6 (IS)



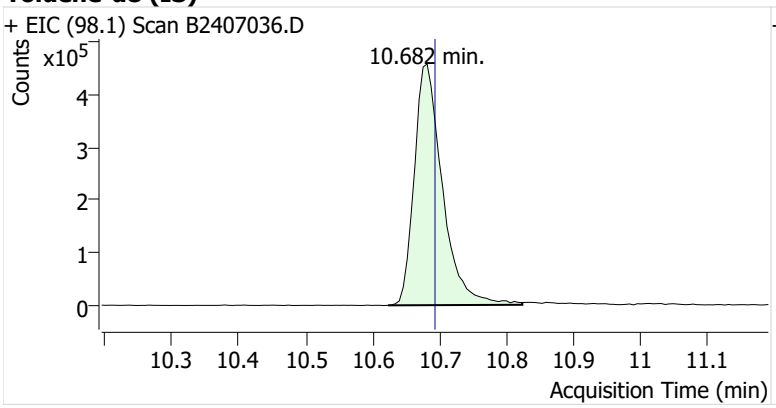


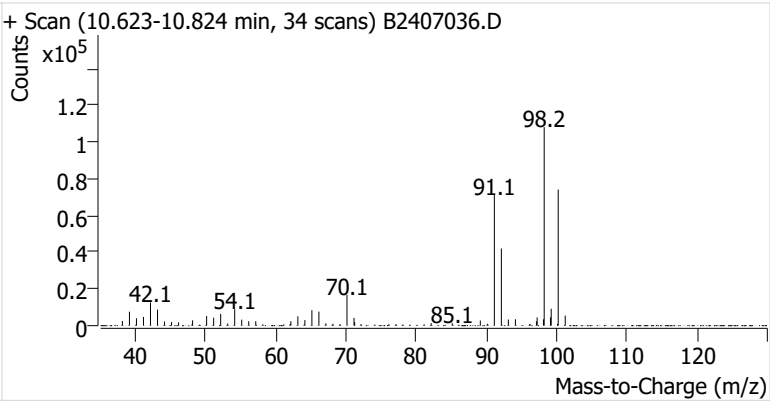
Benzene



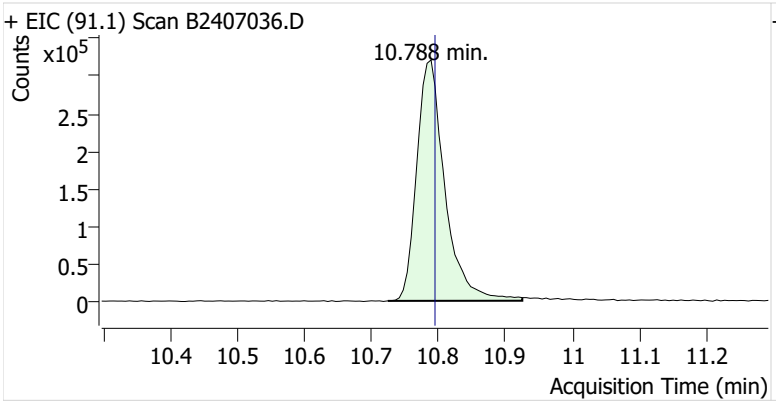


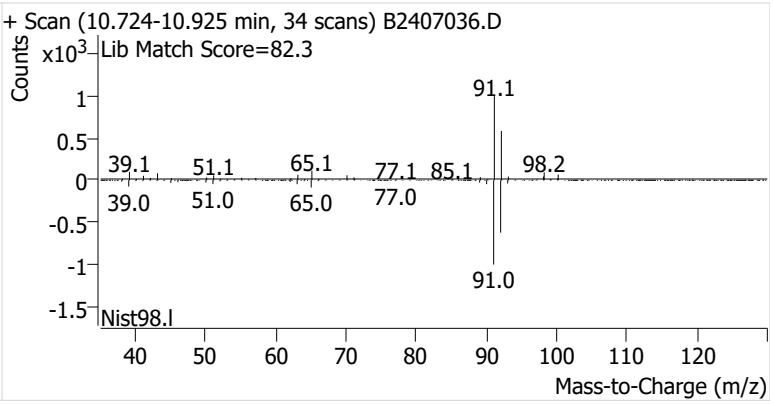
Toluene-d8 (IS)



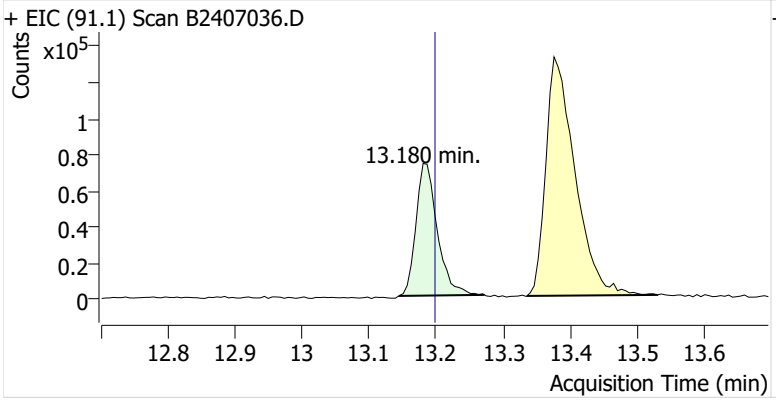


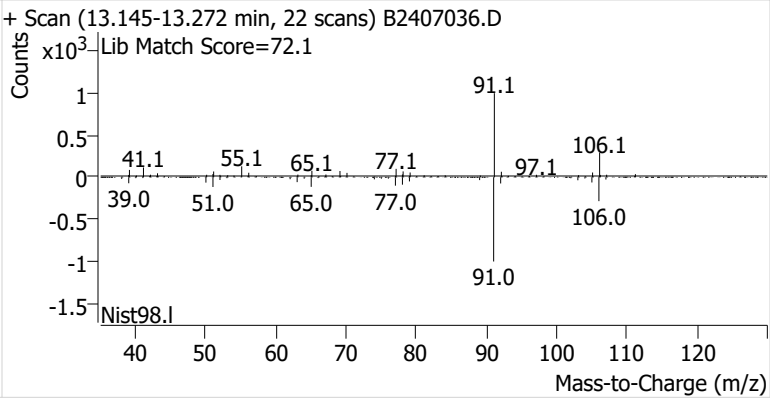
Toluene



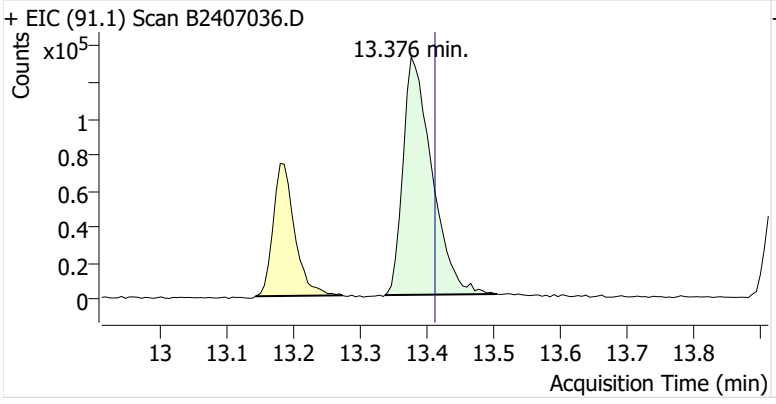


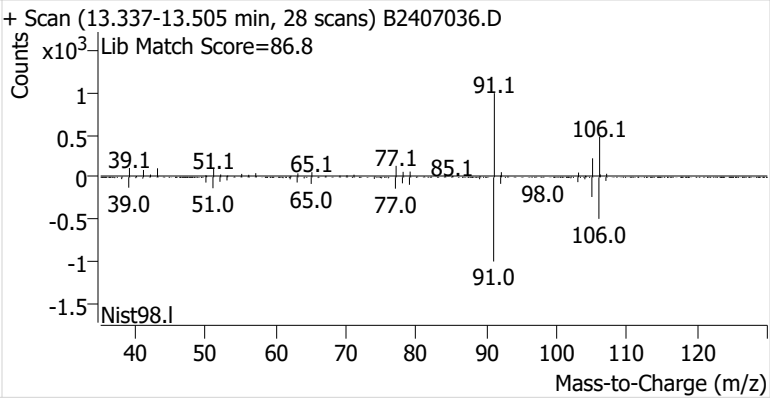
Ethylbenzene



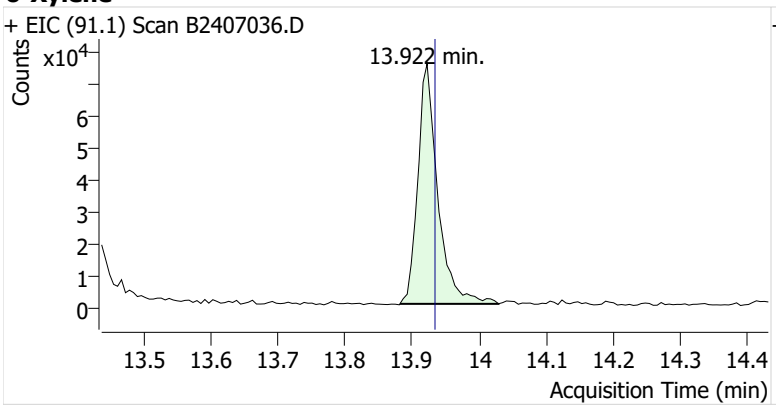


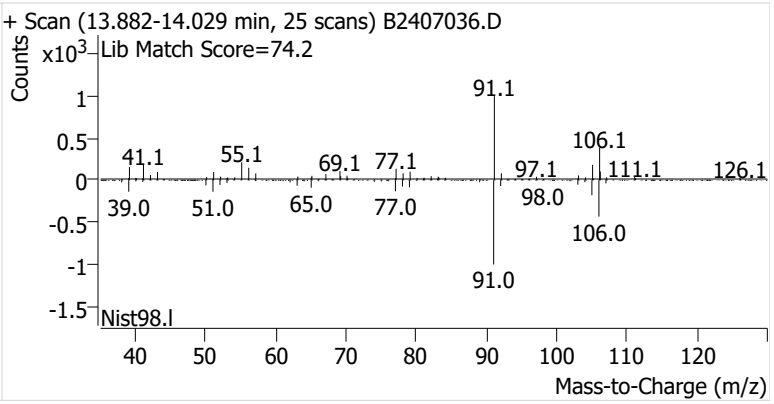
m-/p-Xylenes





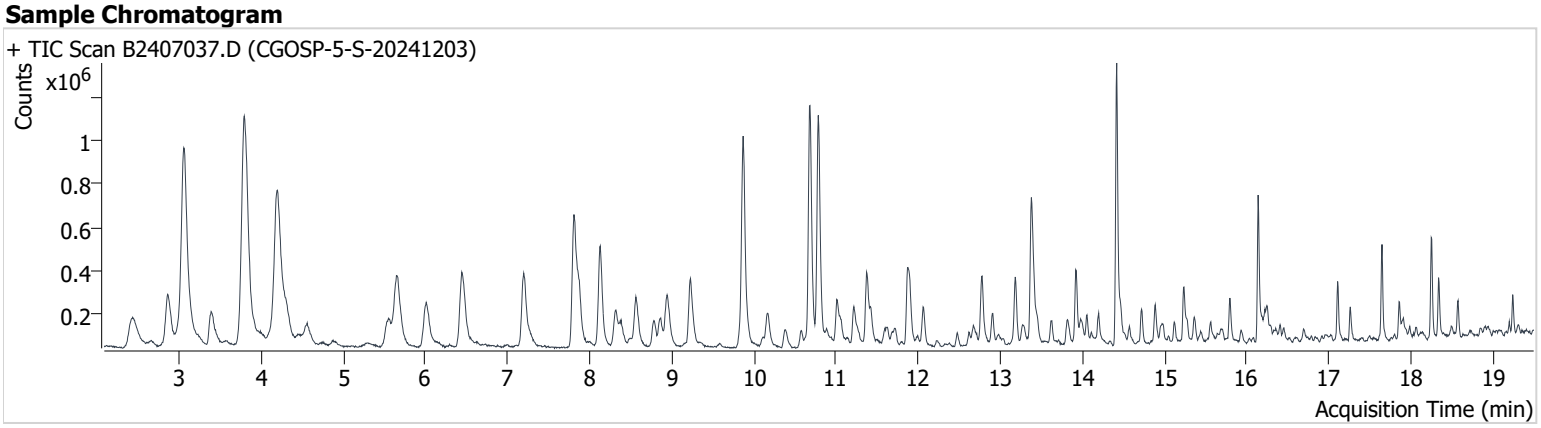
o-Xylene


+ EIC (91.1) Scan B2407036.D
Counts
x10^4
13.922 min.
Acquisition Time (min)


+ Scan (13.882-14.029 min, 25 scans) B2407036.D
Counts
x10^3
Lib Match Score=74.2
91.1
106.1
41.1
55.1
69.1
77.1
97.1
111.1
126.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
Mass-to-Charge (m/z)

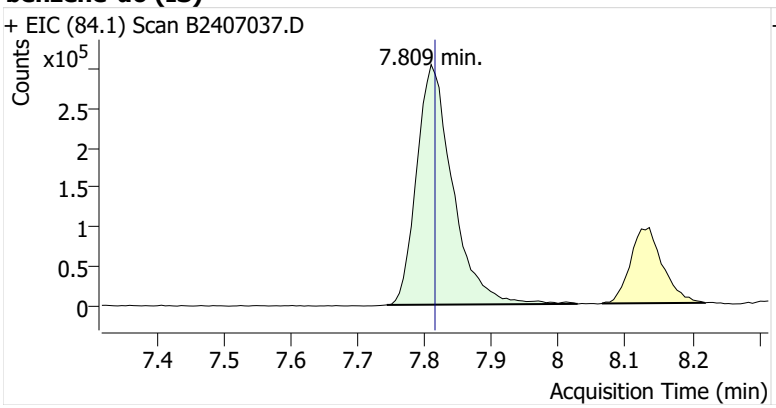
Name	CGOSP-5-S-20241203
Comment	C02039
Data File	B2407037.D
Acq. Date-Time	12/20/2024 9:46:34 PM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

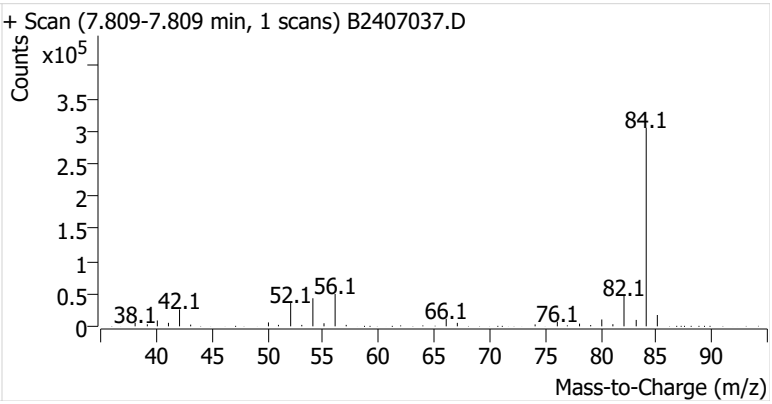
Sample Chromatogram



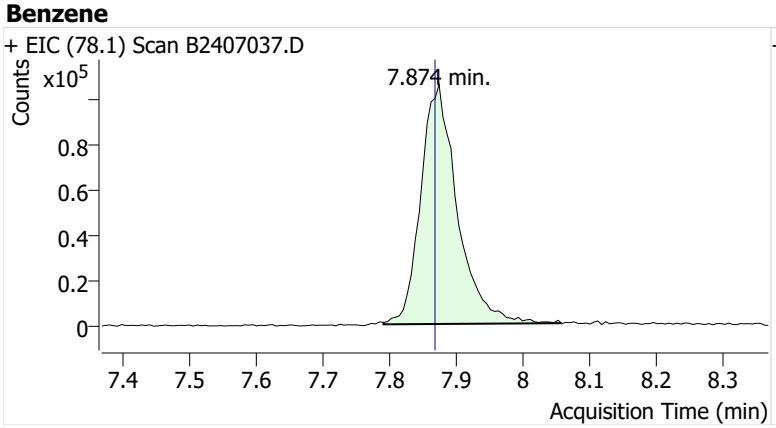
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.809	7.815	1,137,859	
Benzene	benzene-d6 (IS)	7.874	7.868	401,613	
Toluene-d8 (IS)		10.676	10.693	1,228,048	
Toluene	Toluene-d8 (IS)	10.783	10.794	1,234,213	
Ethylbenzene	Toluene-d8 (IS)	13.181	13.198	314,220	
m-/p-Xylenes	Toluene-d8 (IS)	13.376	13.412	720,431	
o-Xylene	Toluene-d8 (IS)	13.917	13.934	272,998	

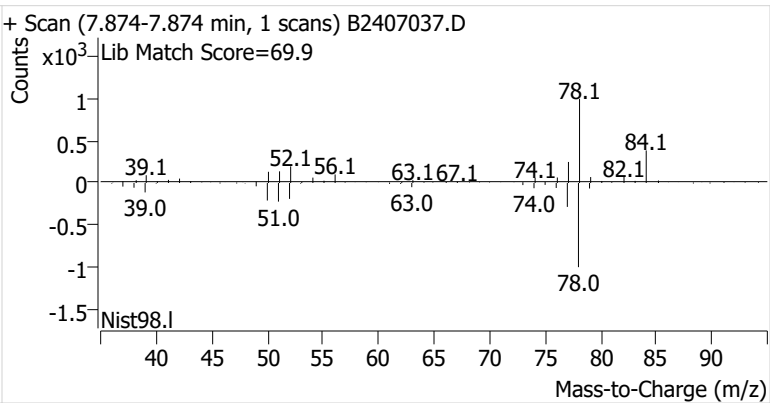
benzene-d6 (IS)



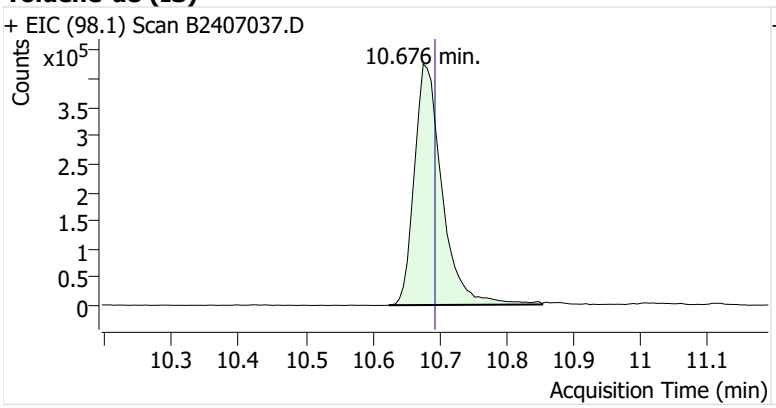


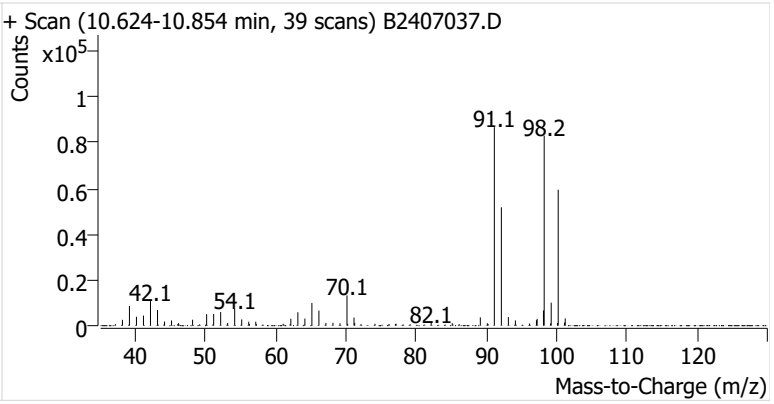
Benzene



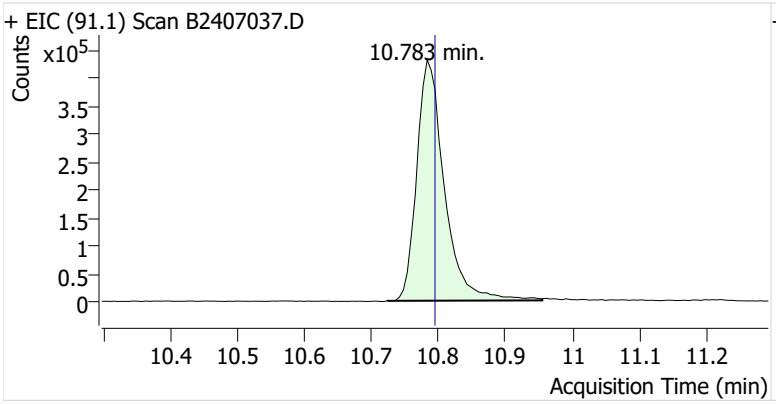


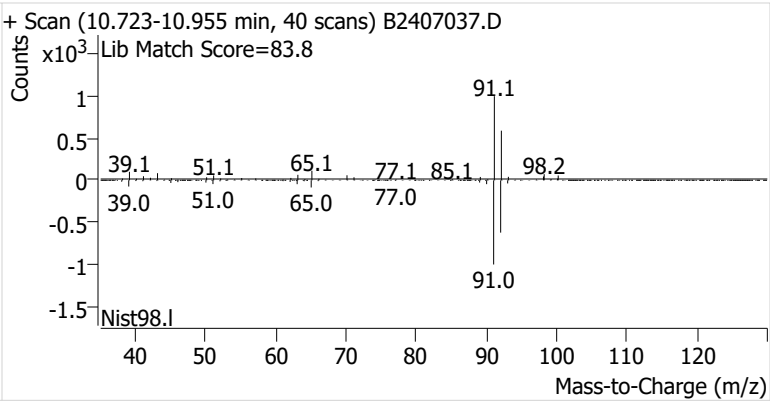
Toluene-d8 (IS)



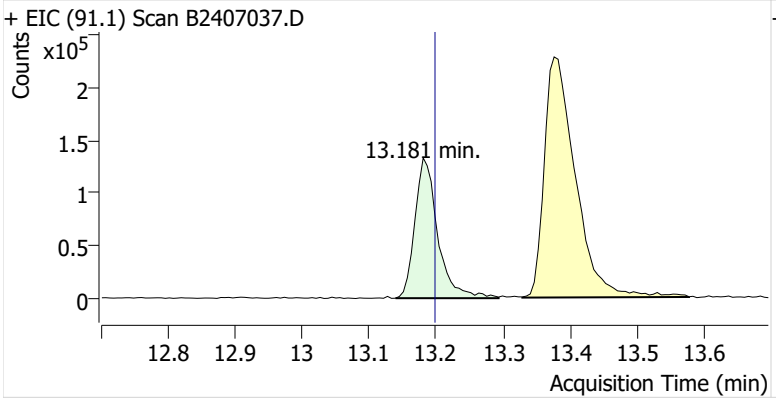


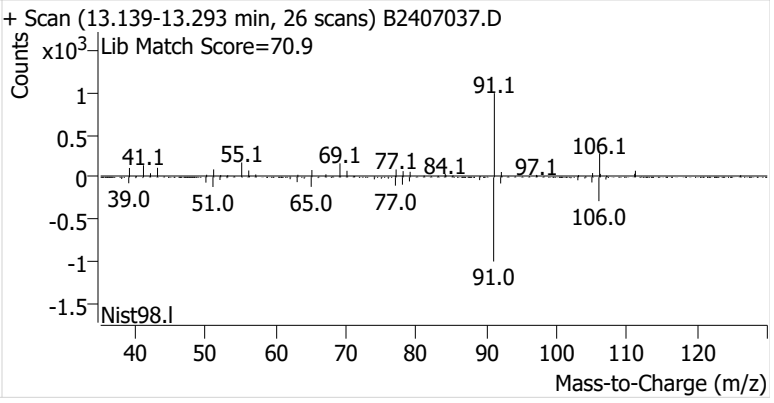
Toluene



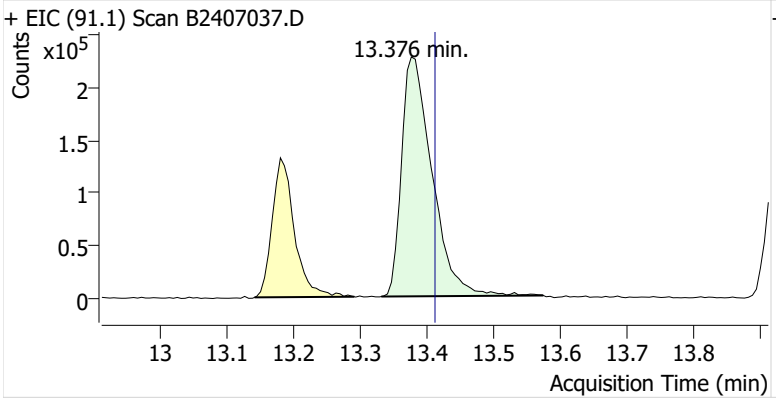


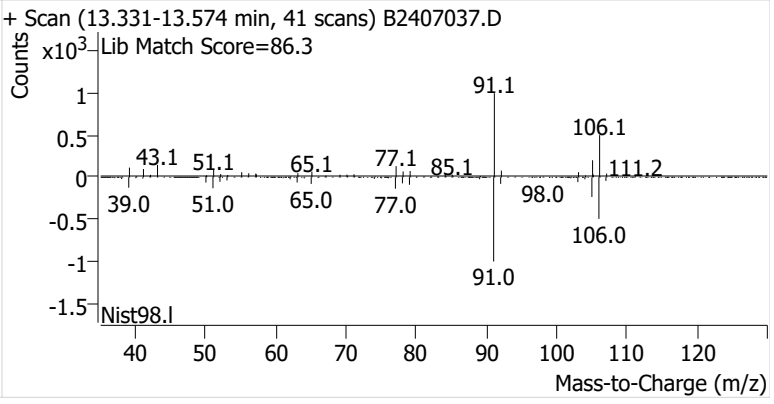
Ethylbenzene



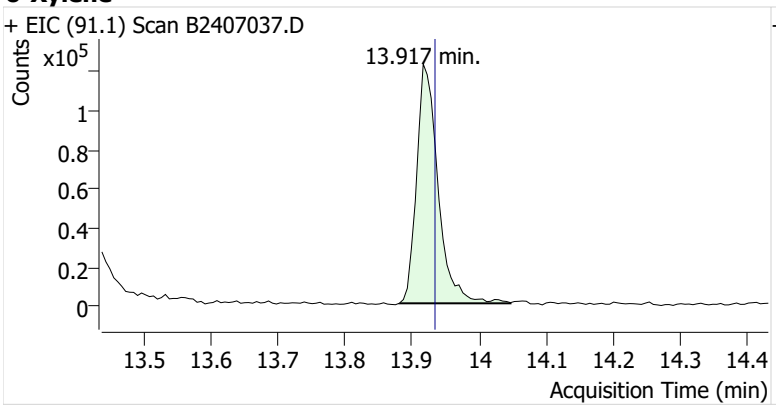


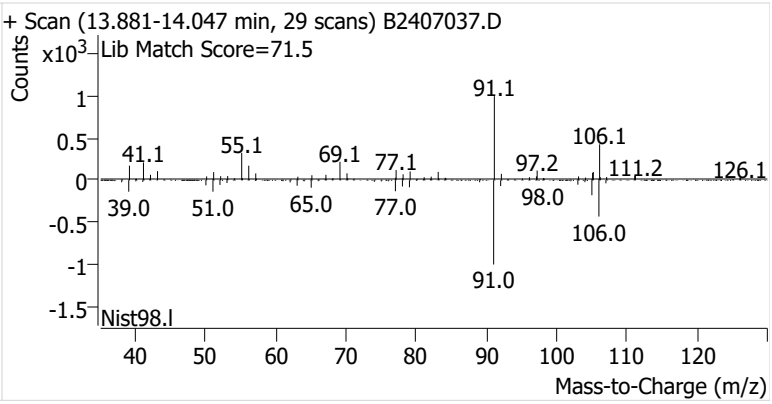
m-/p-Xylenes





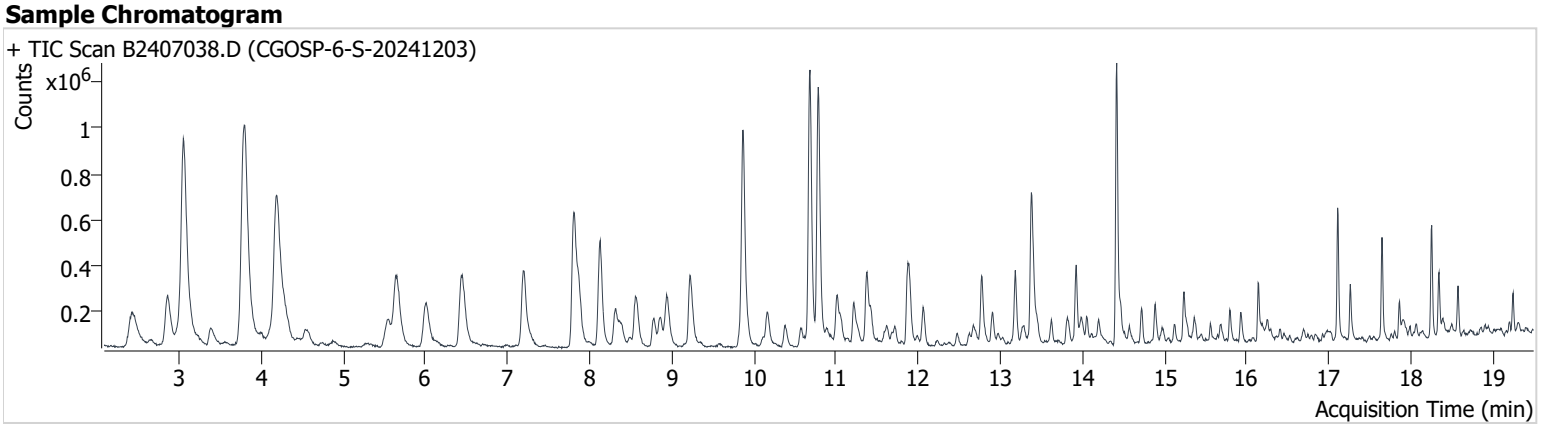
o-Xylene


+ EIC (91.1) Scan B2407037.D
Counts
x10^5
13.917 min.
1
0.8
0.6
0.4
0.2
0
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)


+ Scan (13.881-14.047 min, 29 scans) B2407037.D
Counts
x10^3
Lib Match Score=71.5
91.1
106.1
41.1
55.1
69.1
77.1
97.2
111.2
126.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

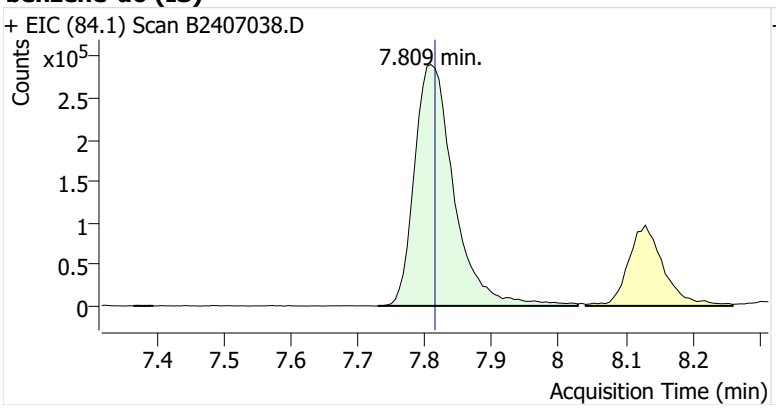
Name	CGOSP-6-S-20241203
Comment	C01649
Data File	B2407038.D
Acq. Date-Time	12/20/2024 10:23:56 PM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

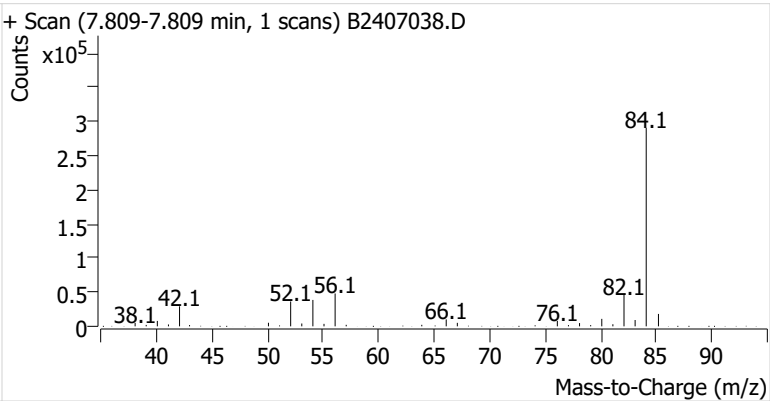
Sample Chromatogram



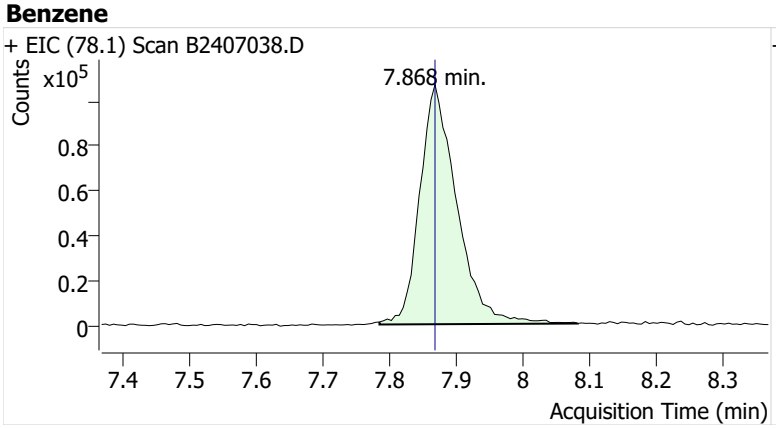
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.809	7.815	1,193,928	
Benzene	benzene-d6 (IS)	7.868	7.868	409,890	
Toluene-d8 (IS)		10.676	10.693	1,338,414	
Toluene	Toluene-d8 (IS)	10.782	10.794	1,354,786	
Ethylbenzene	Toluene-d8 (IS)	13.180	13.198	298,279	
m-/p-Xylenes	Toluene-d8 (IS)	13.382	13.412	693,284	
o-Xylene	Toluene-d8 (IS)	13.922	13.934	260,163	

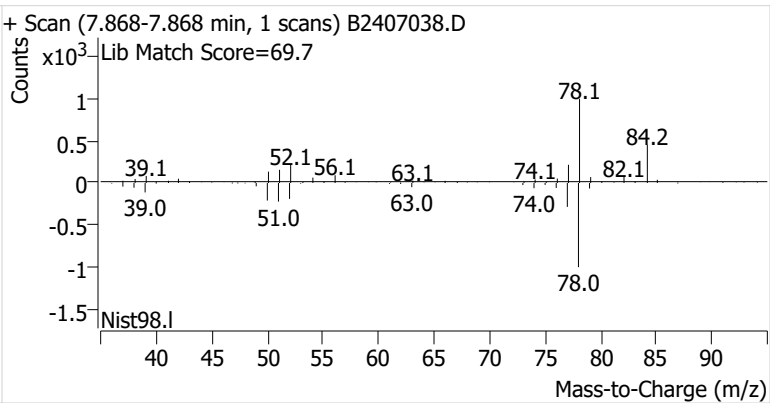
benzene-d6 (IS)



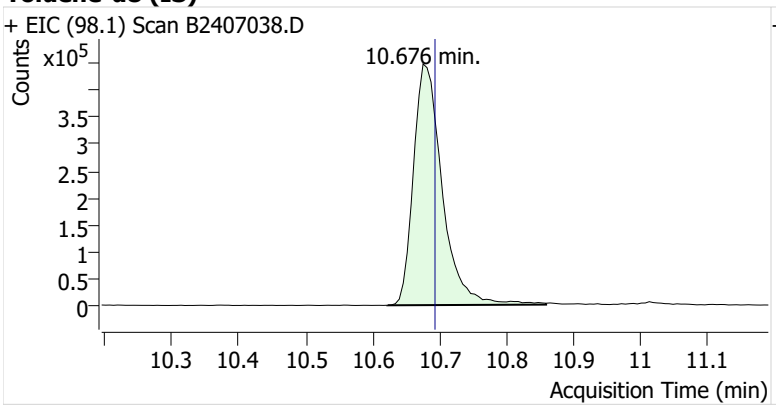


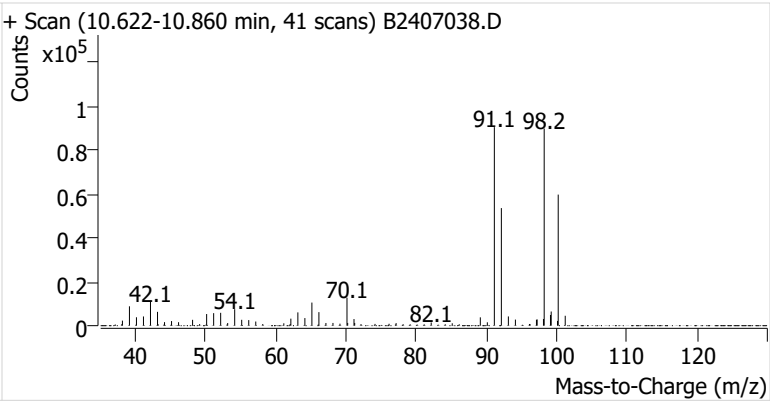
Benzene



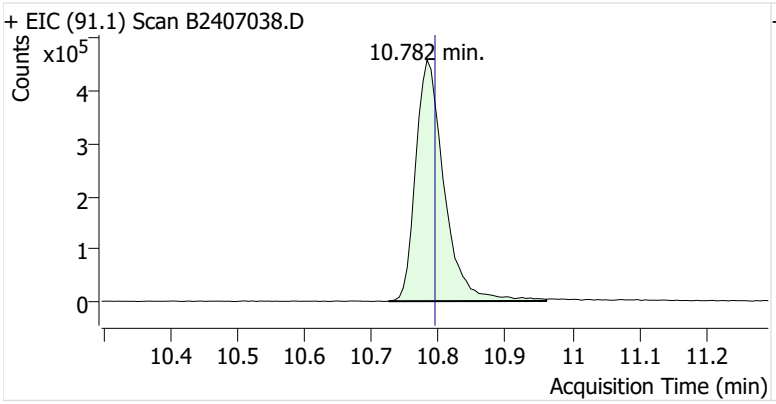


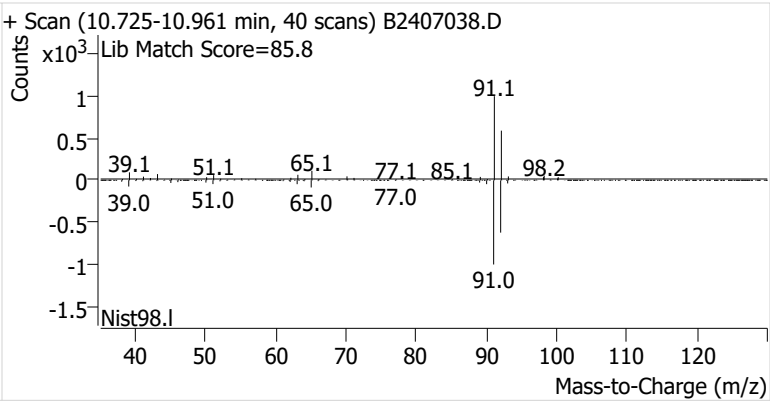
Toluene-d8 (IS)



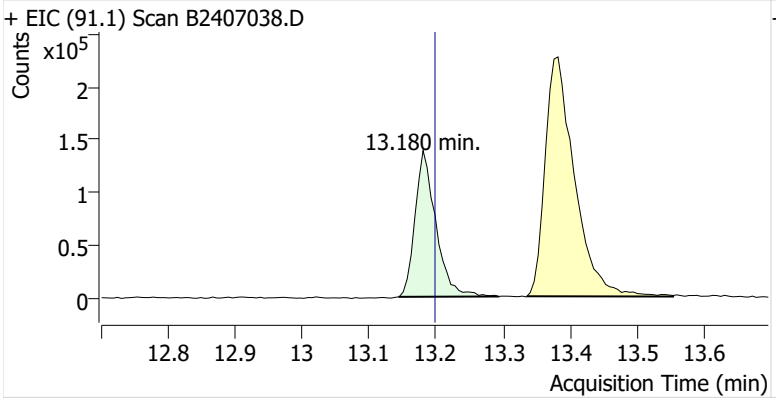


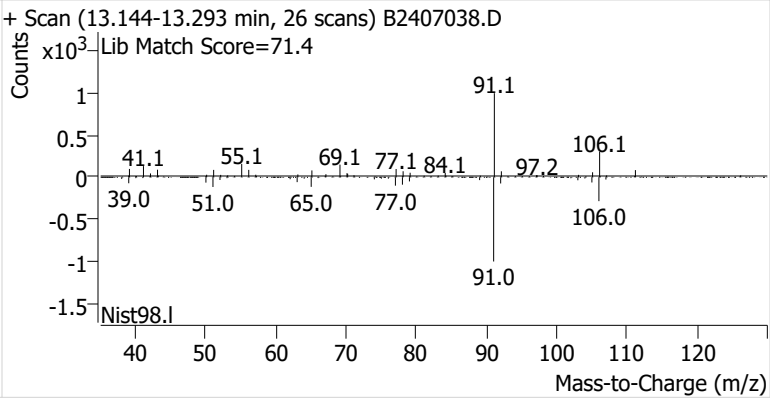
Toluene



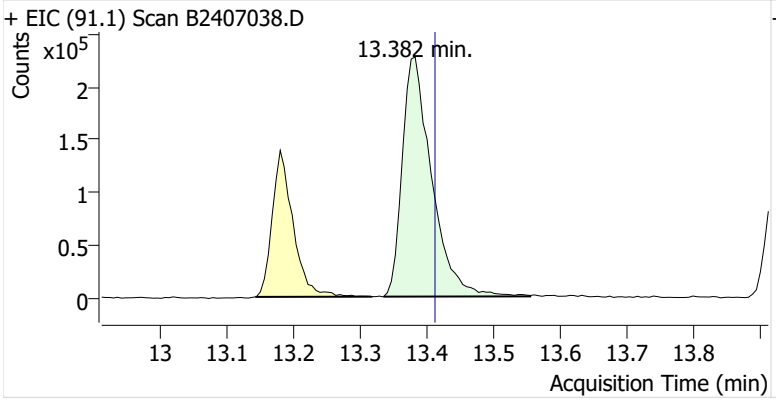


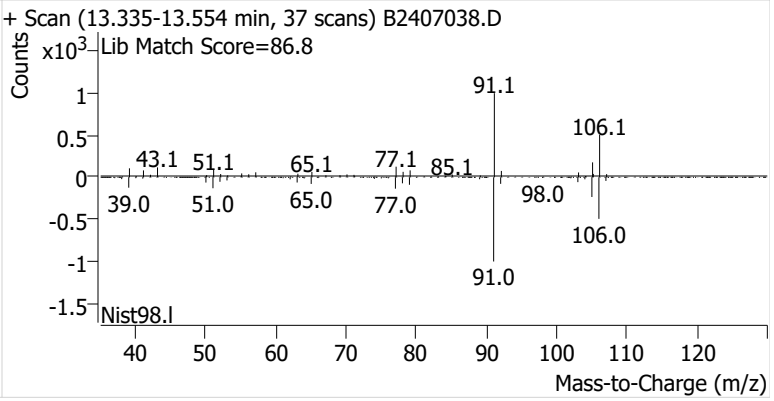
Ethylbenzene



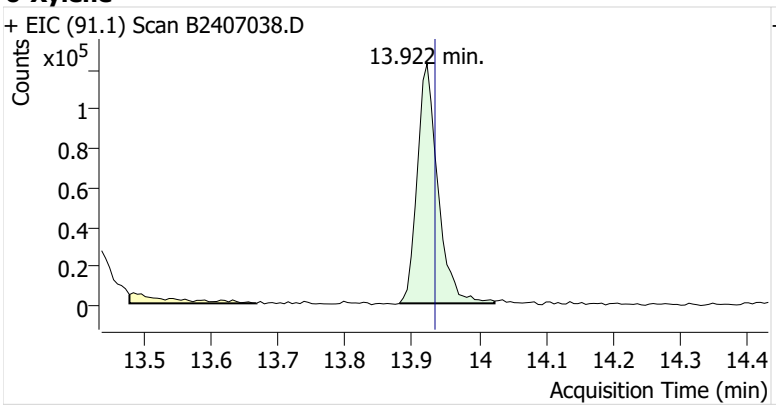


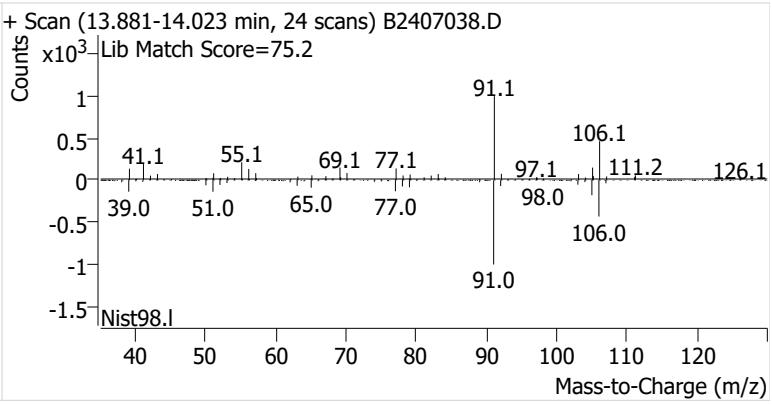
m-/p-Xylenes





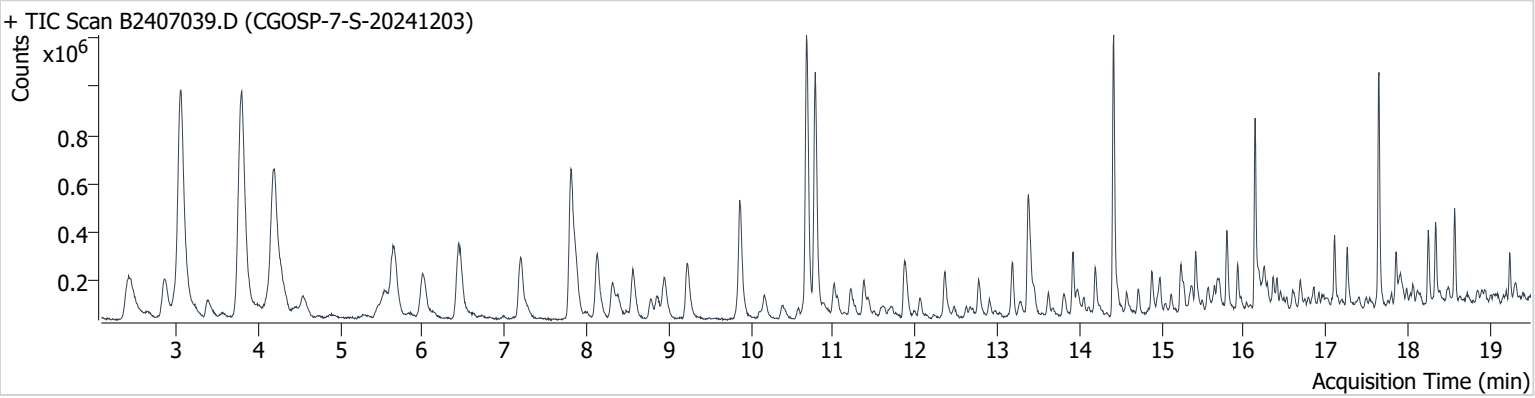
o-Xylene


+ EIC (91.1) Scan B2407038.D
Counts
x10^5
13.922 min.
1
0.8
0.6
0.4
0.2
0
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)


+ Scan (13.881-14.023 min, 24 scans) B2407038.D
Counts
x10^3
Lib Match Score=75.2
91.1
106.1
41.1
55.1
69.1
77.1
97.1
111.2
126.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

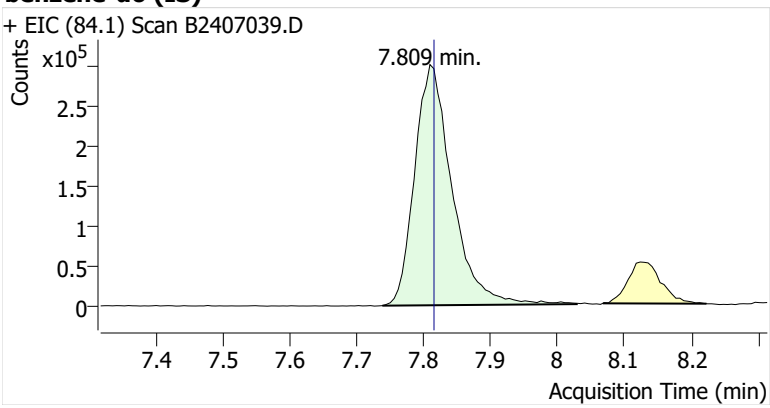
Name	CGOSP-7-S-20241203
Comment	C55413
Data File	B2407039.D
Acq. Date-Time	12/20/2024 11:01:21 PM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

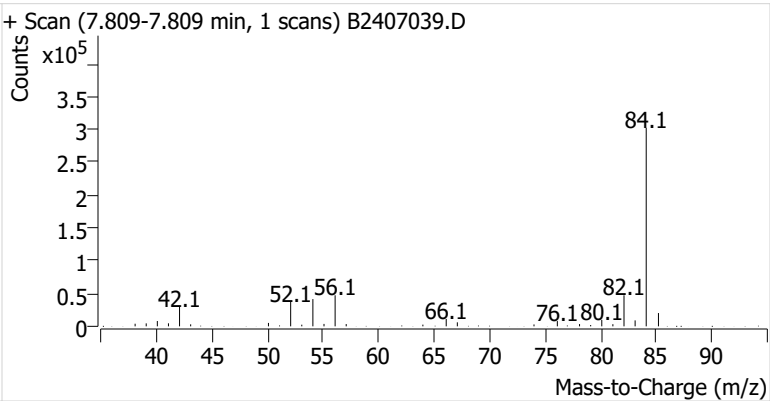
Sample Chromatogram



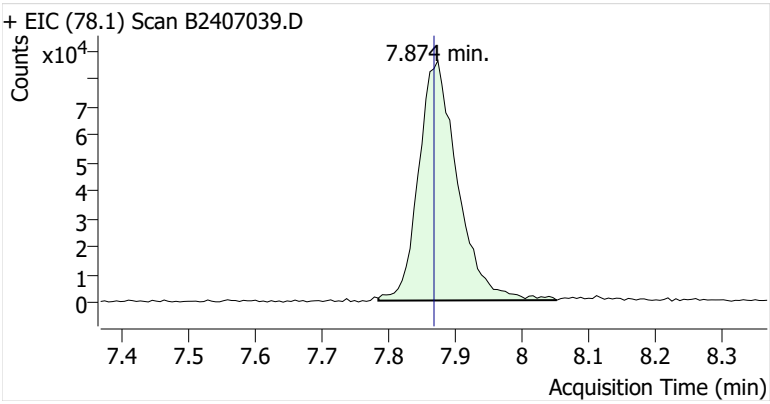
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.809	7.815	1,169,666	
Benzene	benzene-d6 (IS)	7.874	7.868	347,383	
Toluene-d8 (IS)		10.675	10.693	1,252,299	
Toluene	Toluene-d8 (IS)	10.782	10.794	1,162,324	
Ethylbenzene	Toluene-d8 (IS)	13.180	13.198	222,443	
m-/p-Xylenes	Toluene-d8 (IS)	13.376	13.412	546,172	
o-Xylene	Toluene-d8 (IS)	13.922	13.934	201,555	

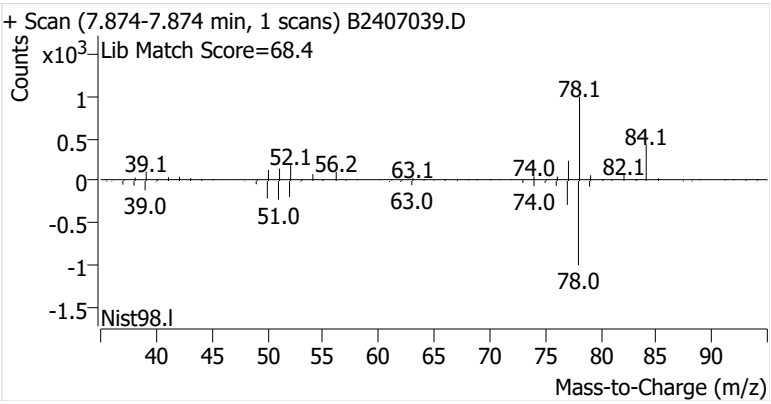
benzene-d6 (IS)



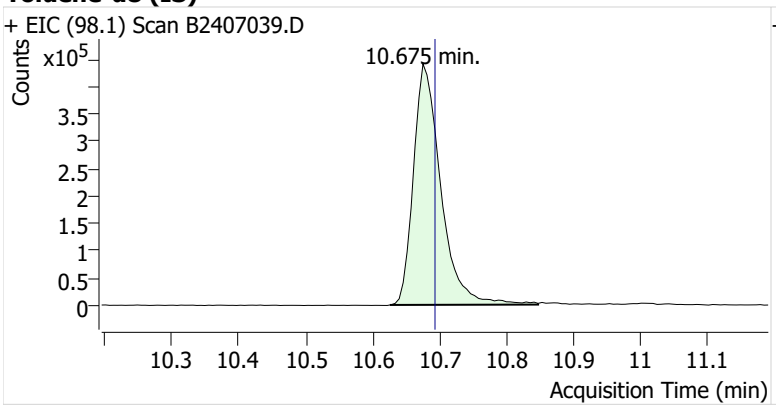


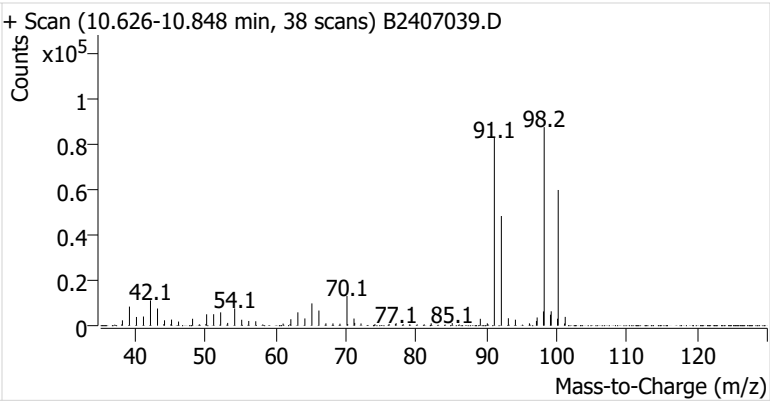
Benzene



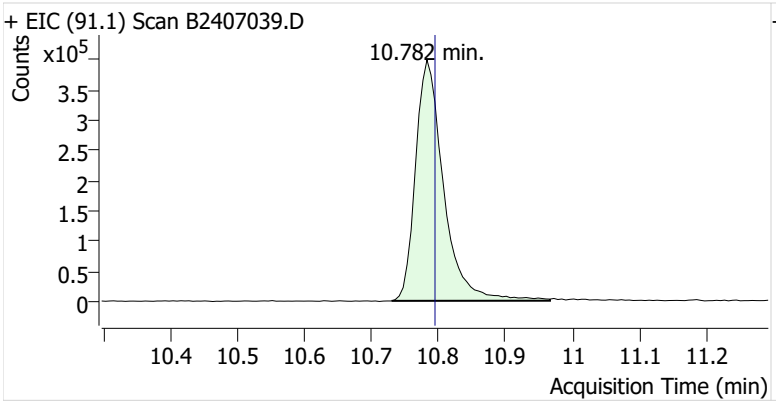


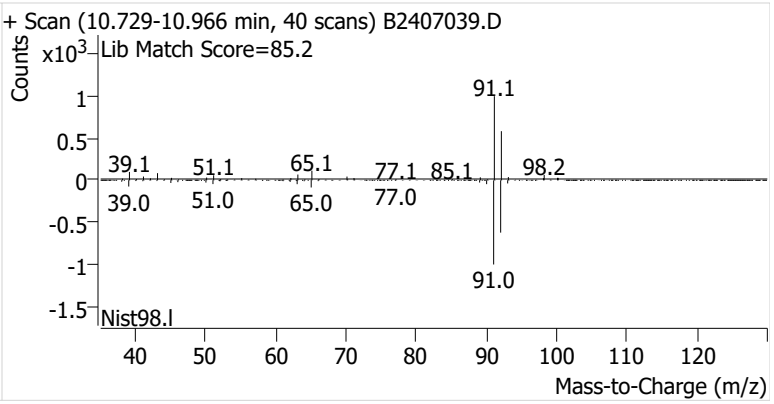
Toluene-d8 (IS)



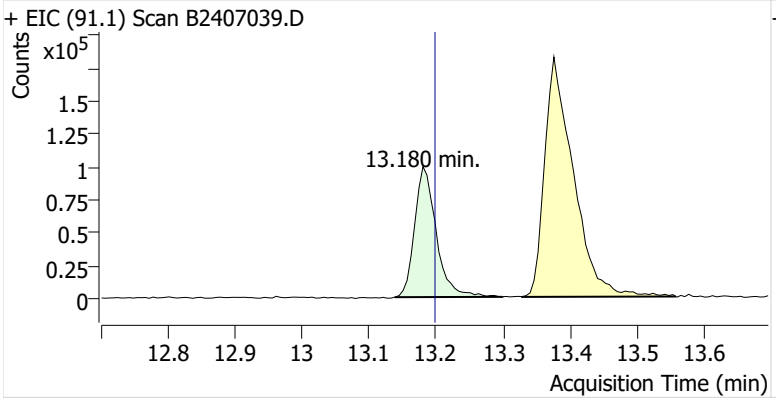


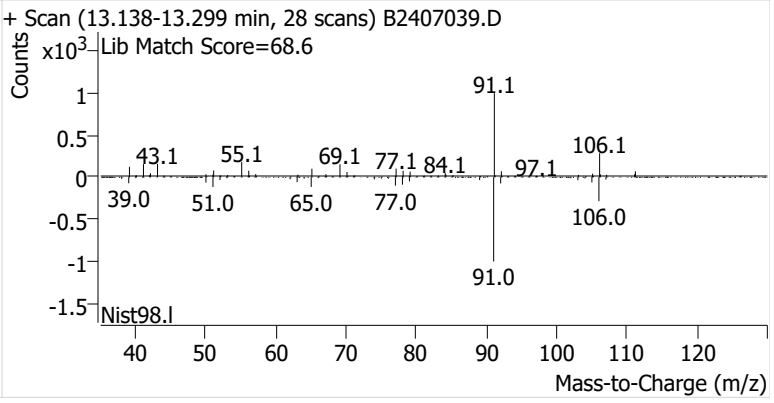
Toluene



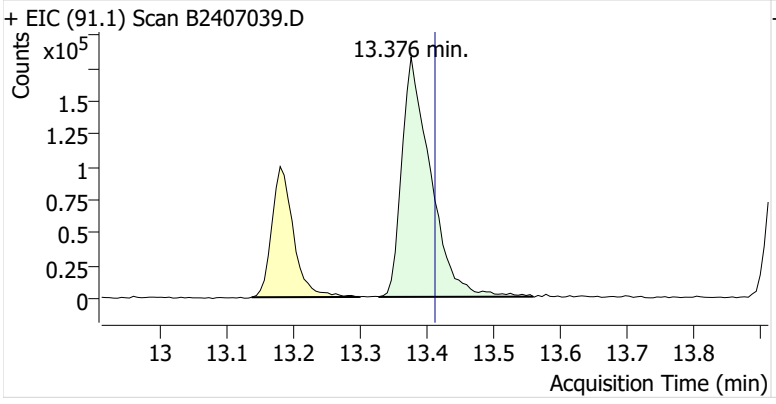


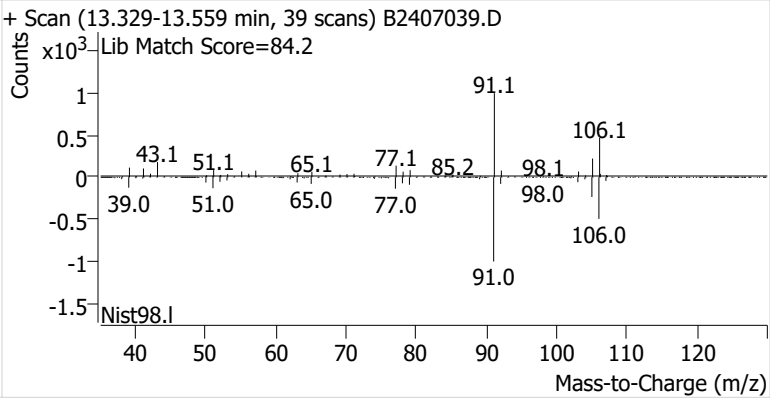
Ethylbenzene



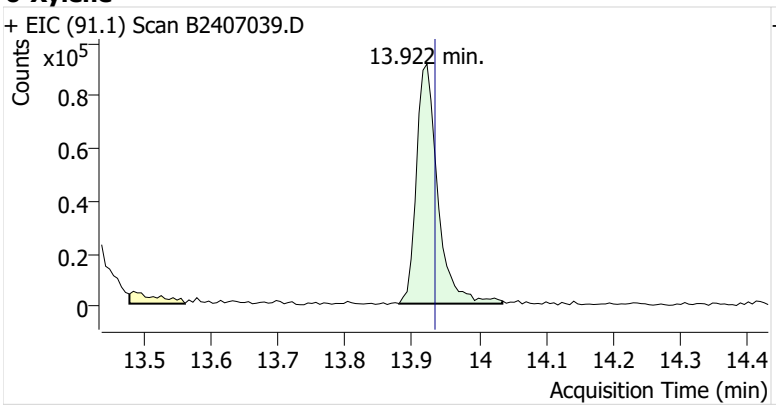


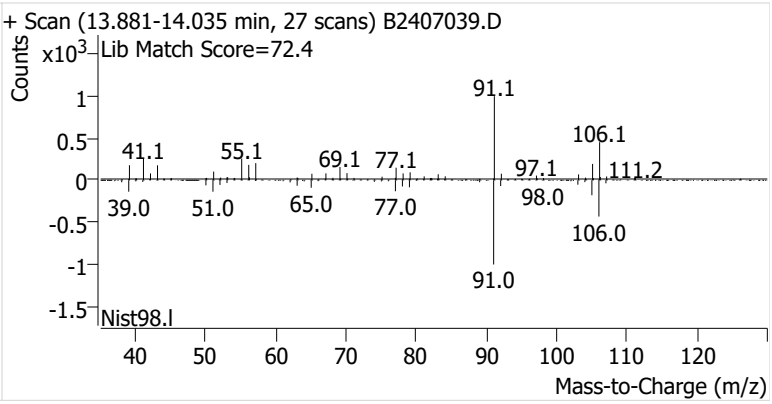
m-/p-Xylenes





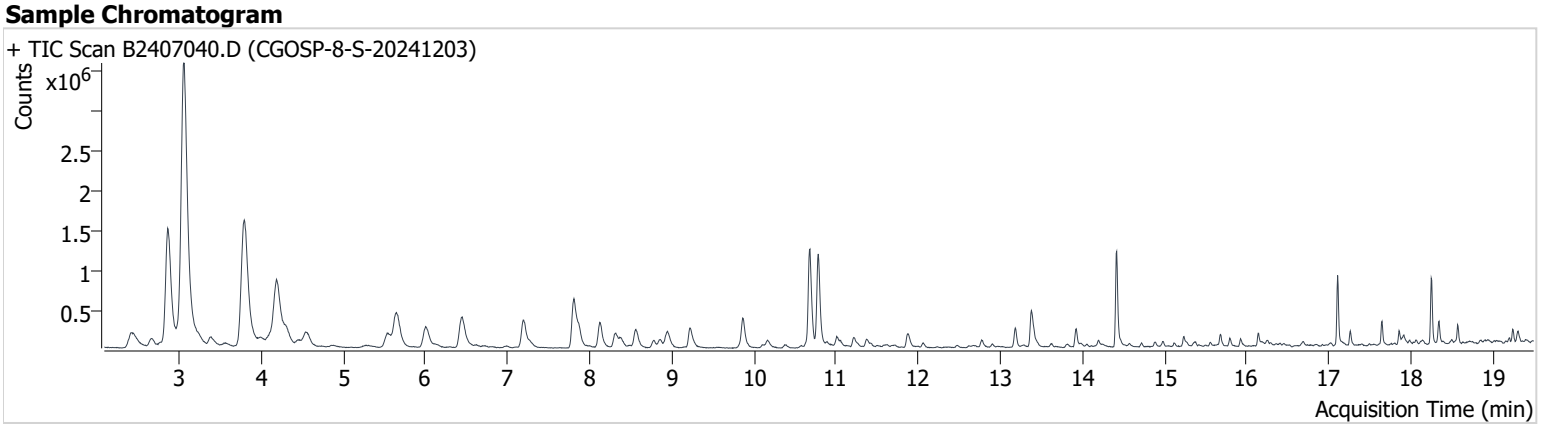
o-Xylene


+ EIC (91.1) Scan B2407039.D
Counts
x10^5
13.922 min.
0.8
0.6
0.4
0.2
0
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)


+ Scan (13.881-14.035 min, 27 scans) B2407039.D
Counts
x10^3
Lib Match Score=72.4
91.1
106.1
41.1
55.1
69.1
77.1
97.1
111.2
98.0
39.0
51.0
65.0
77.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

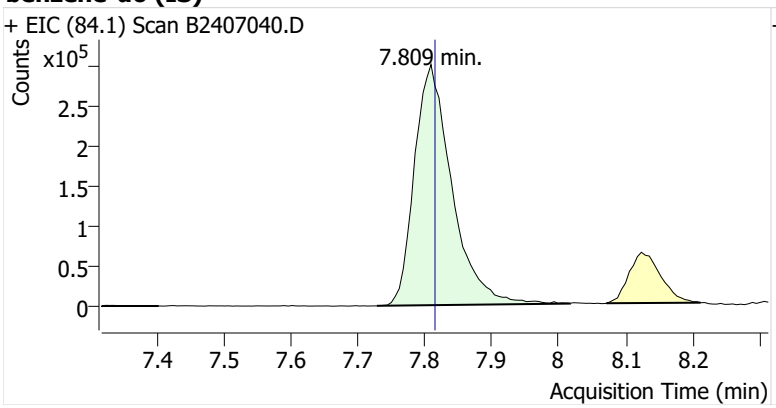
Name	CGOSP-8-S-20241203
Comment	C37051
Data File	B2407040.D
Acq. Date-Time	12/20/2024 11:38:43 PM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

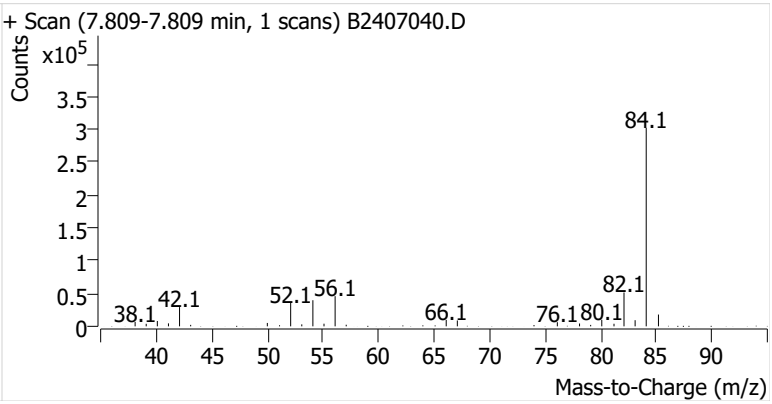
Sample Chromatogram



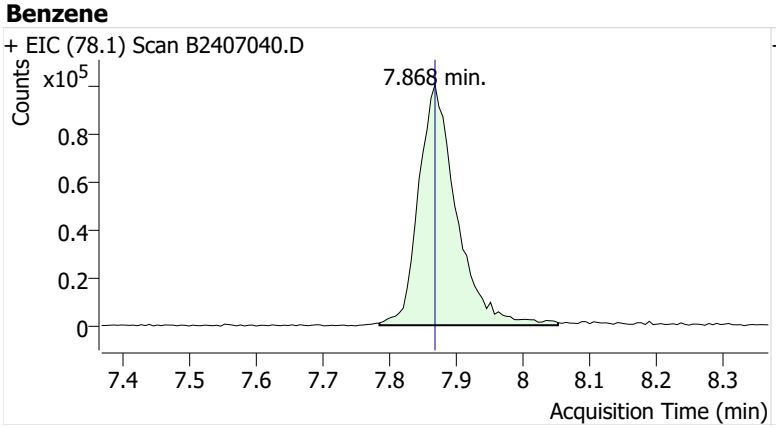
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.809	7.815	1,173,163	
Benzene	benzene-d6 (IS)	7.868	7.868	395,078	
Toluene-d8 (IS)		10.682	10.693	1,353,650	
Toluene	Toluene-d8 (IS)	10.782	10.794	1,330,465	
Ethylbenzene	Toluene-d8 (IS)	13.180	13.198	241,057	
m-/p-Xylenes	Toluene-d8 (IS)	13.376	13.412	511,599	
o-Xylene	Toluene-d8 (IS)	13.922	13.934	183,020	

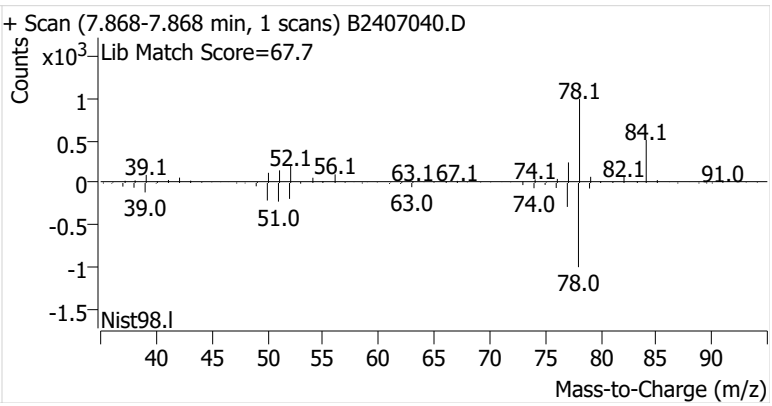
benzene-d6 (IS)



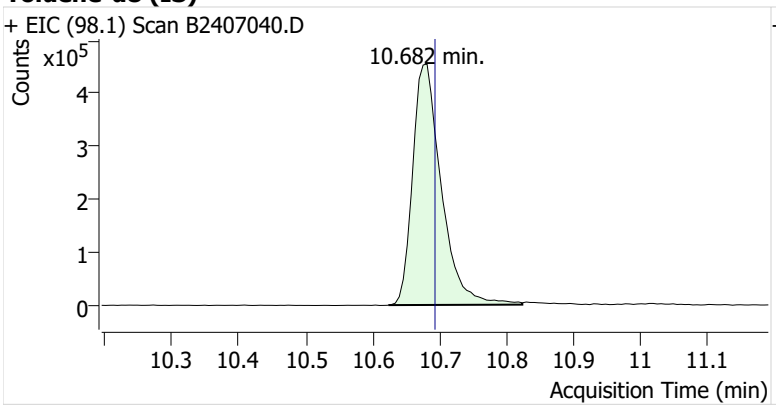


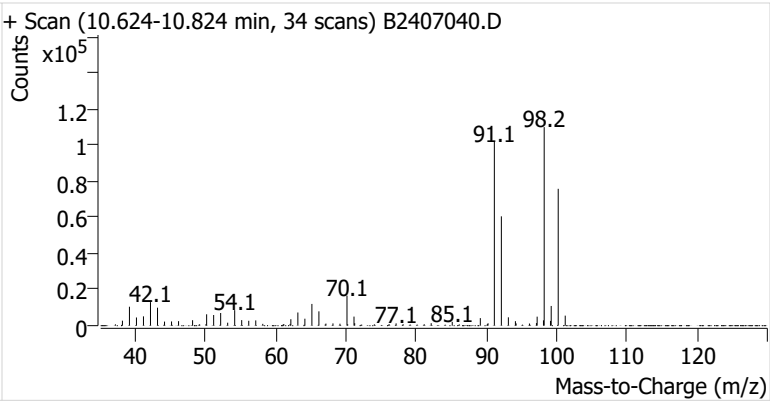
Benzene



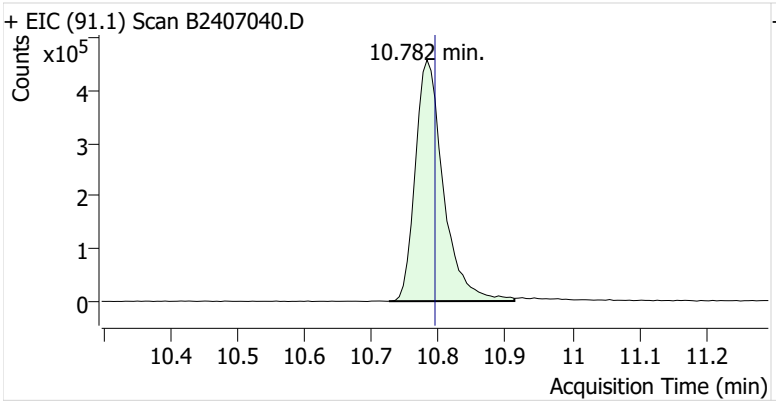


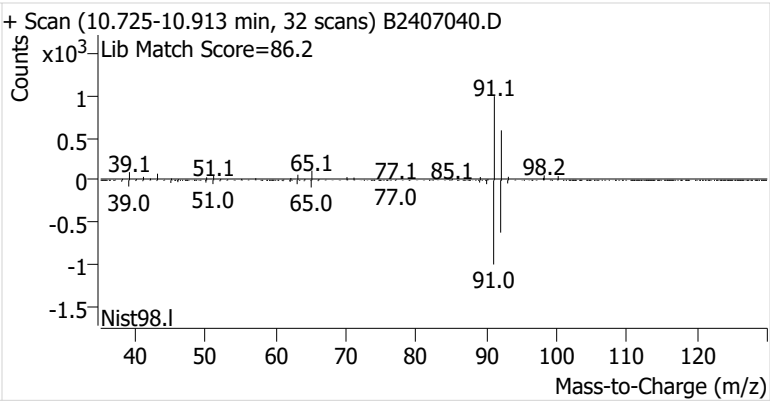
Toluene-d8 (IS)



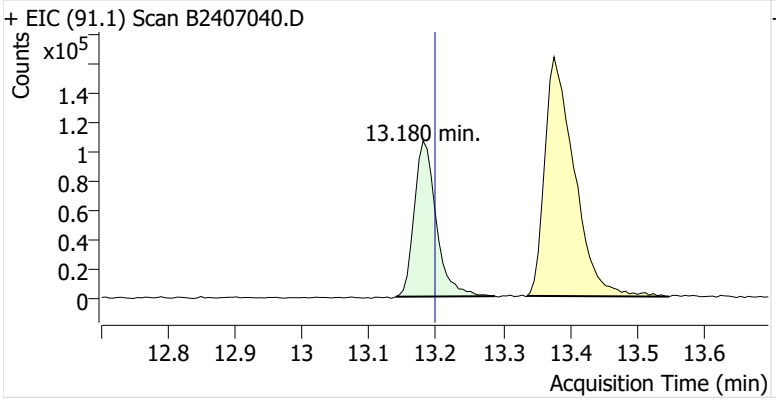


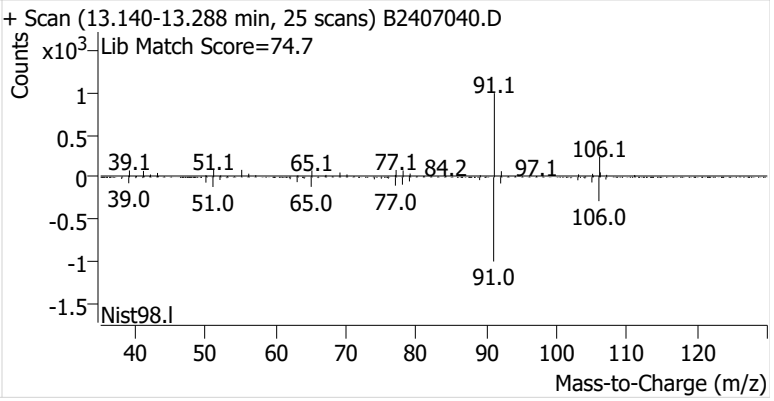
Toluene



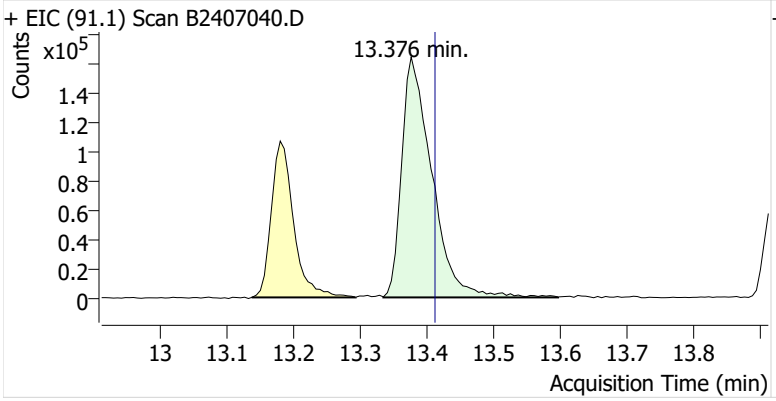


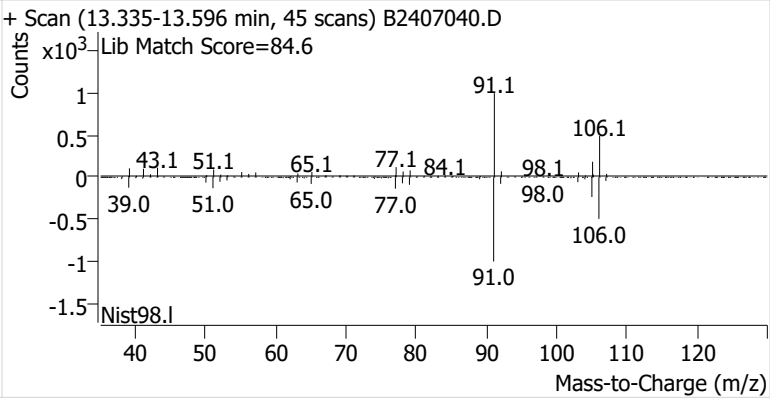
Ethylbenzene



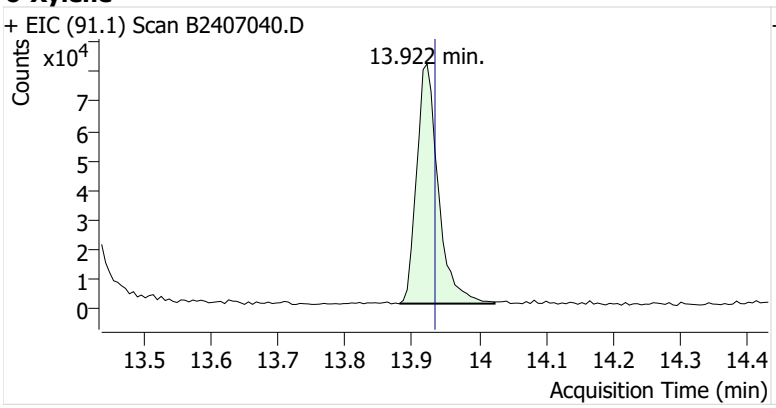


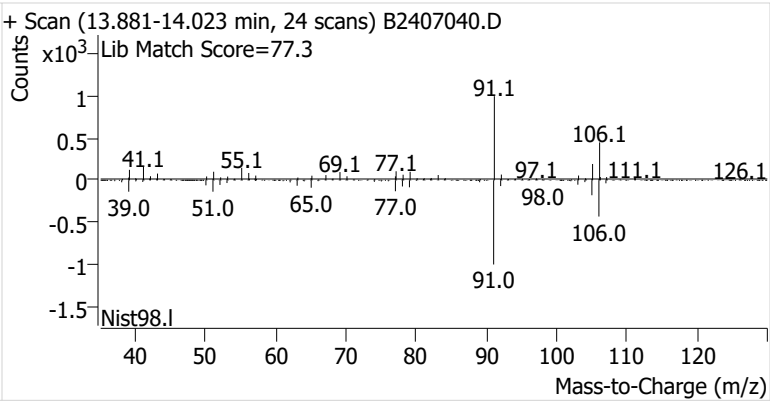
m-/p-Xylenes





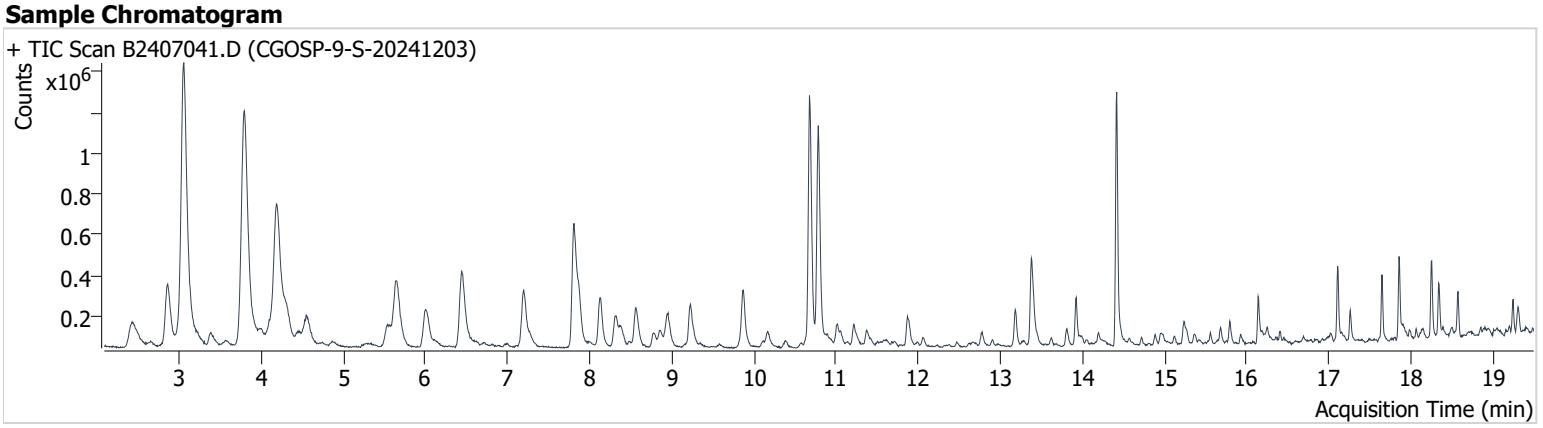
o-Xylene


+ EIC (91.1) Scan B2407040.D
Counts
x10^4
13.922 min.
Acquisition Time (min)


+ Scan (13.881-14.023 min, 24 scans) B2407040.D
Counts
x10^3
Lib Match Score=77.3
91.1
106.1
41.1
55.1
69.1
77.1
97.1
111.1
126.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
Mass-to-Charge (m/z)

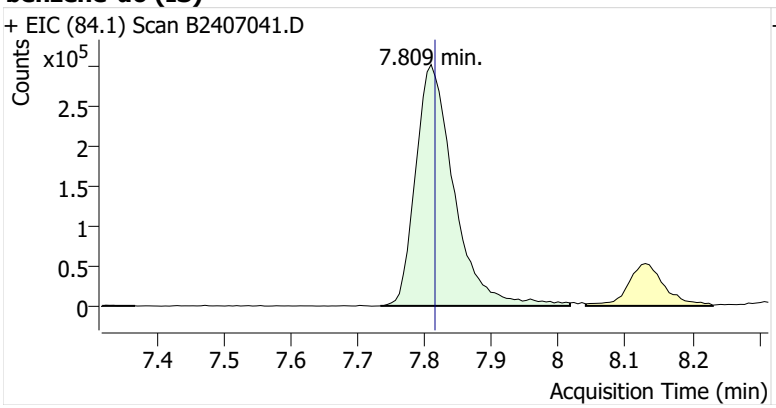
Name	CGOSP-9-S-20241203
Comment	B44208
Data File	B2407041.D
Acq. Date-Time	12/21/2024 12:16:07 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

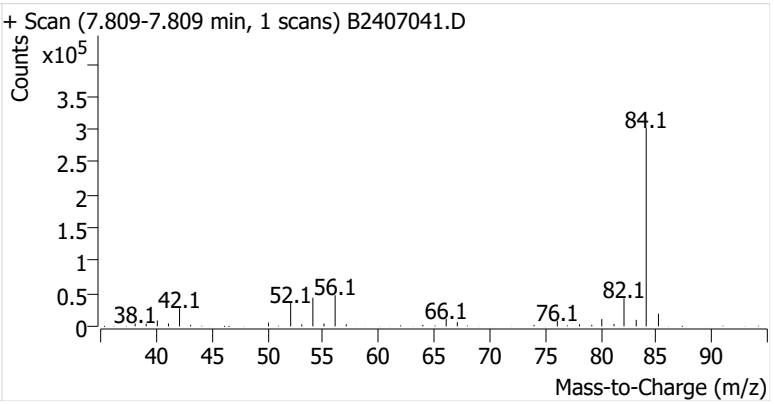
Sample Chromatogram



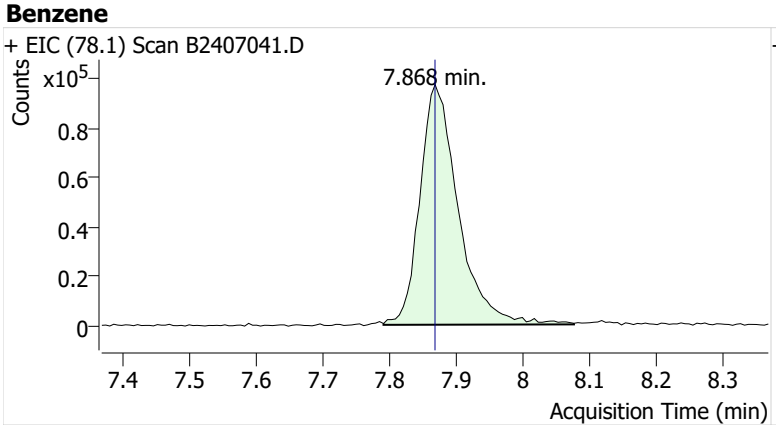
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.809	7.815	1,206,701	
Benzene	benzene-d6 (IS)	7.868	7.868	385,762	
Toluene-d8 (IS)		10.676	10.693	1,363,841	
Toluene	Toluene-d8 (IS)	10.783	10.794	1,276,892	
Ethylbenzene	Toluene-d8 (IS)	13.181	13.198	184,469	
m-/p-Xylenes	Toluene-d8 (IS)	13.376	13.412	459,642	
o-Xylene	Toluene-d8 (IS)	13.922	13.934	181,058	

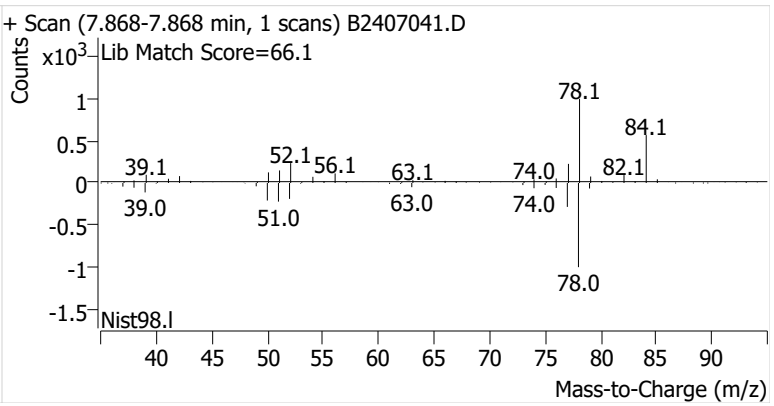
benzene-d6 (IS)



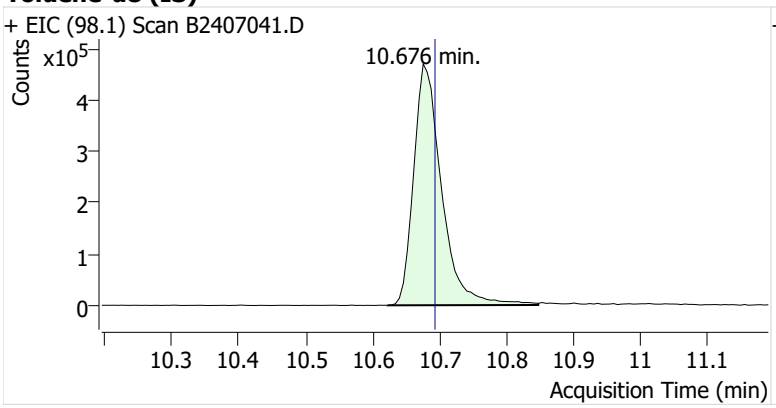


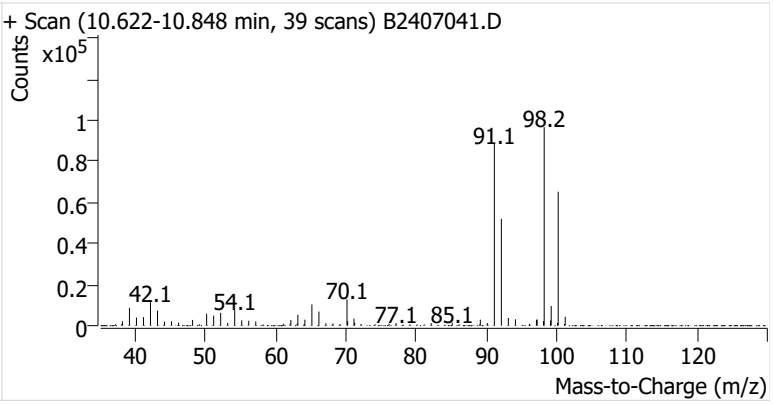
Benzene



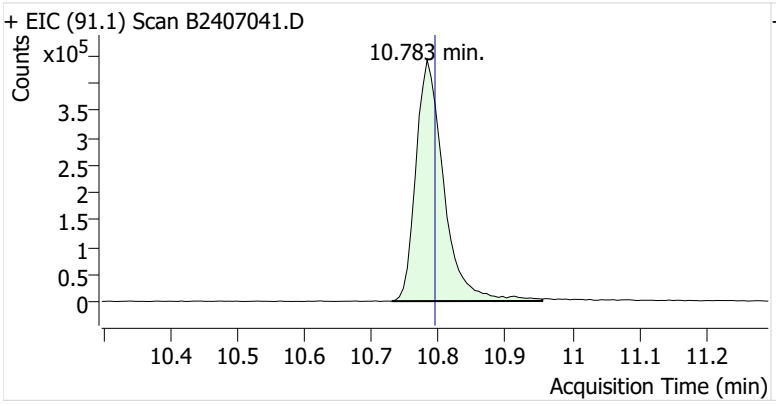


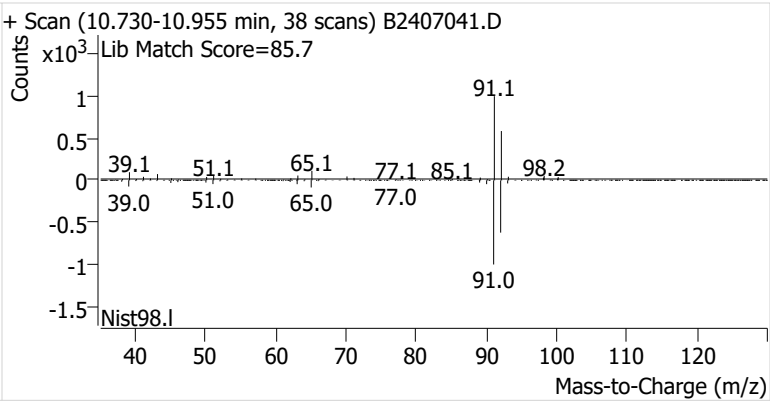
Toluene-d8 (IS)



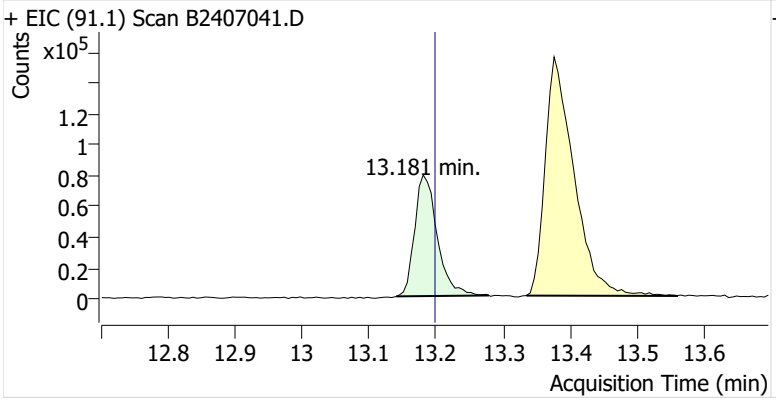


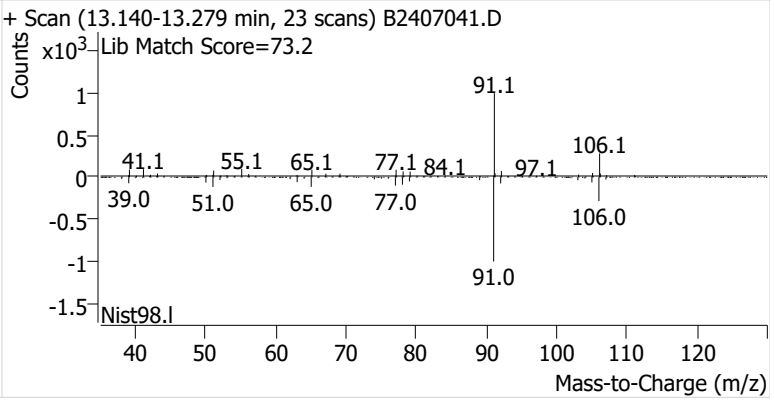
Toluene



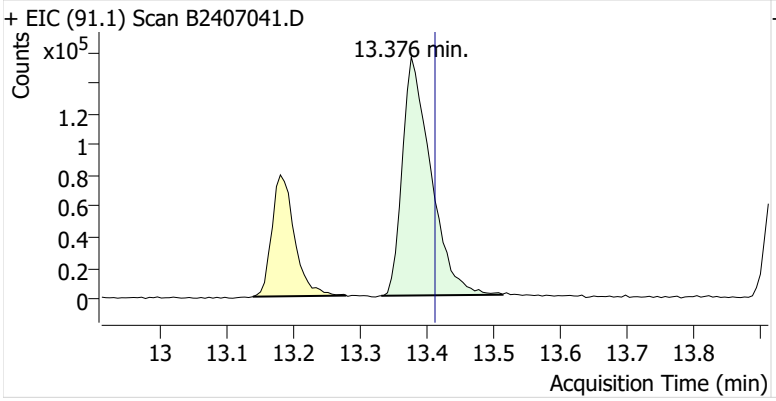


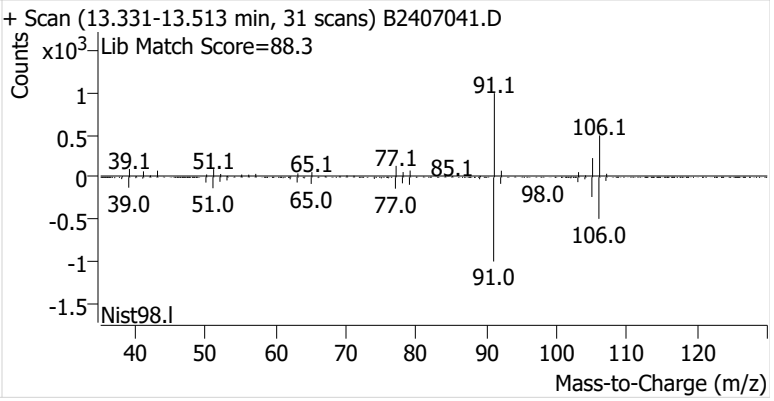
Ethylbenzene



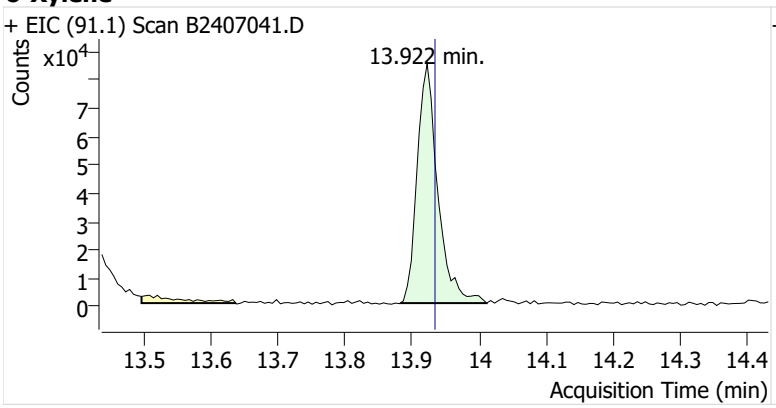


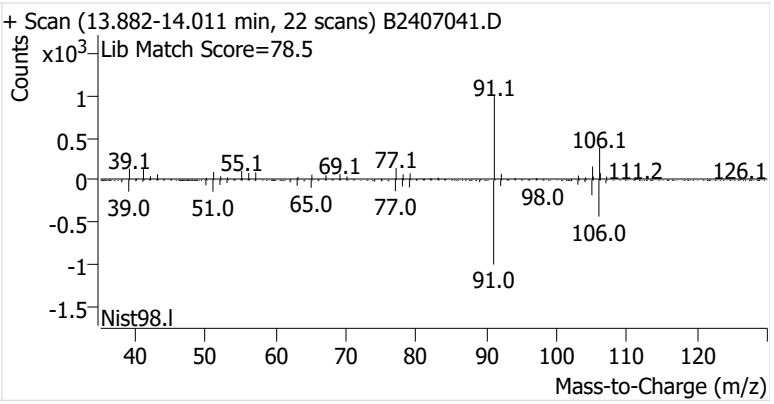
m-/p-Xylenes





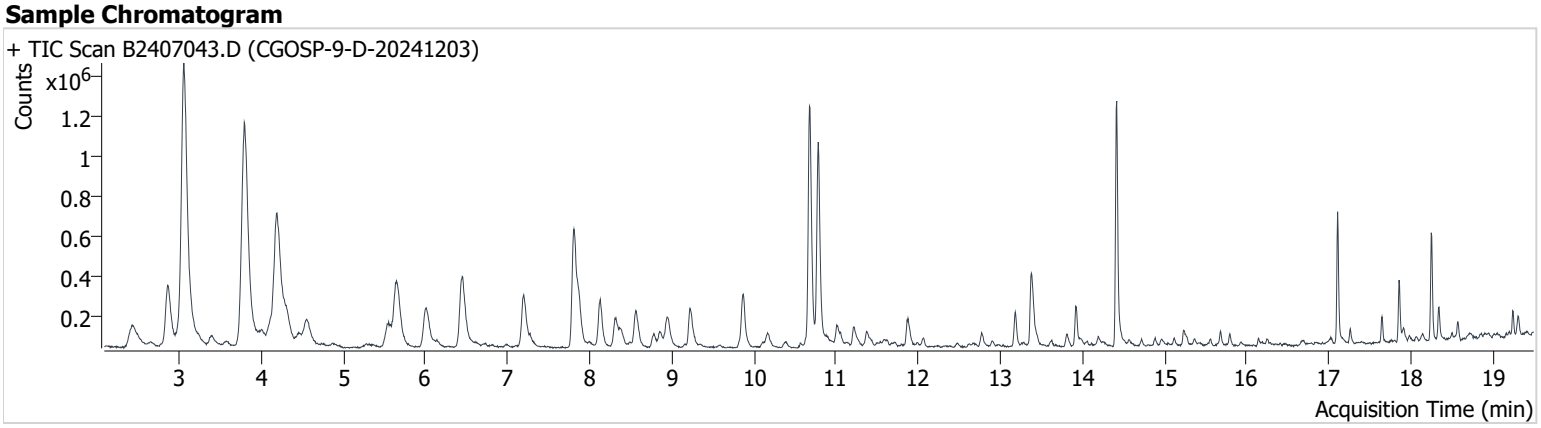
o-Xylene


+ EIC (91.1) Scan B2407041.D
Counts
x10^4
13.922 min.
Acquisition Time (min)


+ Scan (13.882-14.011 min, 22 scans) B2407041.D
Counts
x10^3
Lib Match Score=78.5
91.1
106.1
39.1
55.1
69.1
77.1
111.2
126.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
Nist98.l
Mass-to-Charge (m/z)

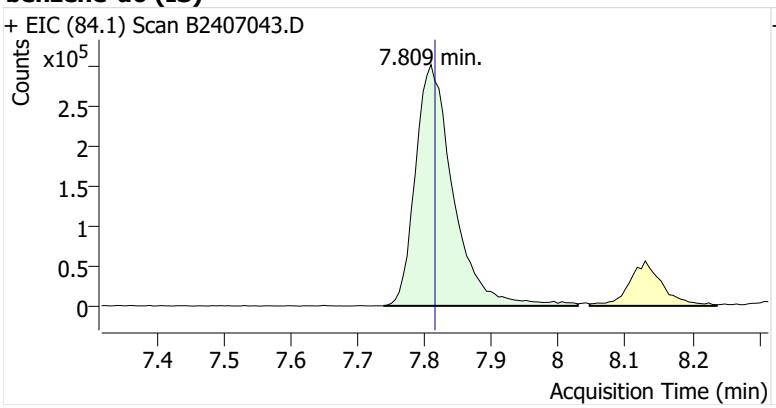
Name	CGOSP-9-D-20241203
Comment	B47158
Data File	B2407043.D
Acq. Date-Time	12/21/2024 1:30:52 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

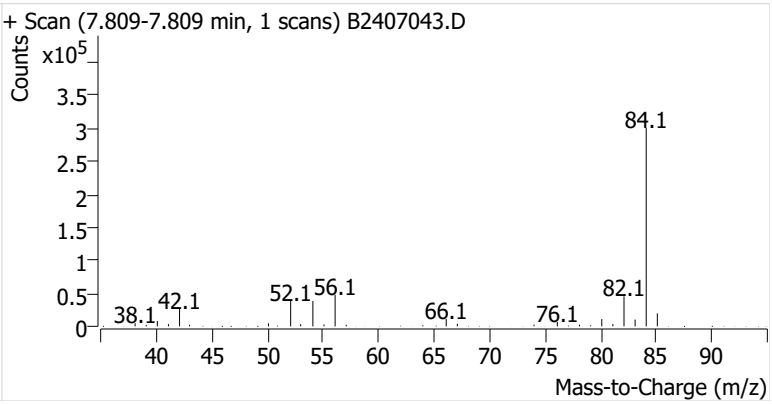
Sample Chromatogram



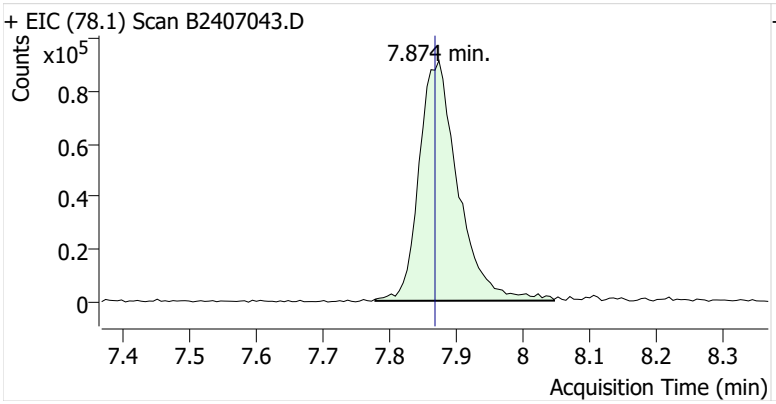
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.809	7.815	1,182,422	
Benzene	benzene-d6 (IS)	7.874	7.868	367,151	
Toluene-d8 (IS)		10.676	10.693	1,336,999	
Toluene	Toluene-d8 (IS)	10.782	10.794	1,163,461	
Ethylbenzene	Toluene-d8 (IS)	13.186	13.198	178,054	
m-/p-Xylenes	Toluene-d8 (IS)	13.382	13.412	402,706	
o-Xylene	Toluene-d8 (IS)	13.922	13.934	163,060	

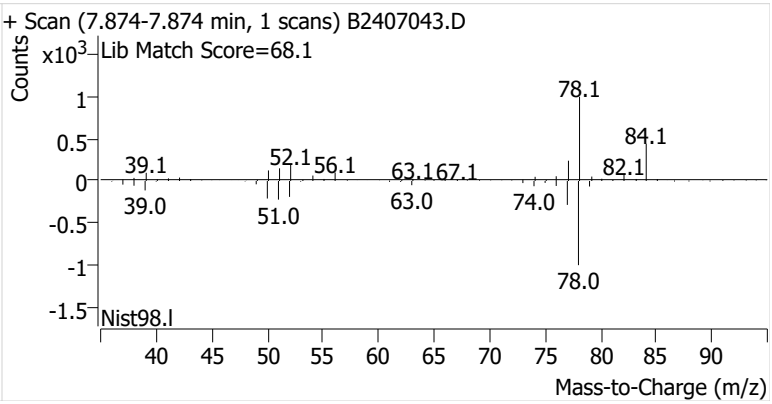
benzene-d6 (IS)



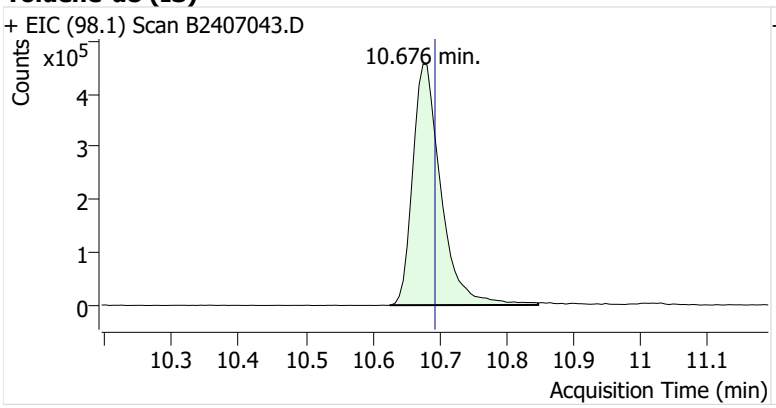


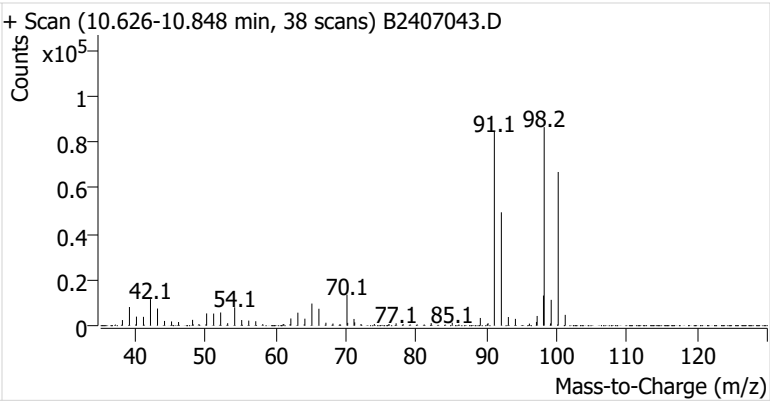
Benzene



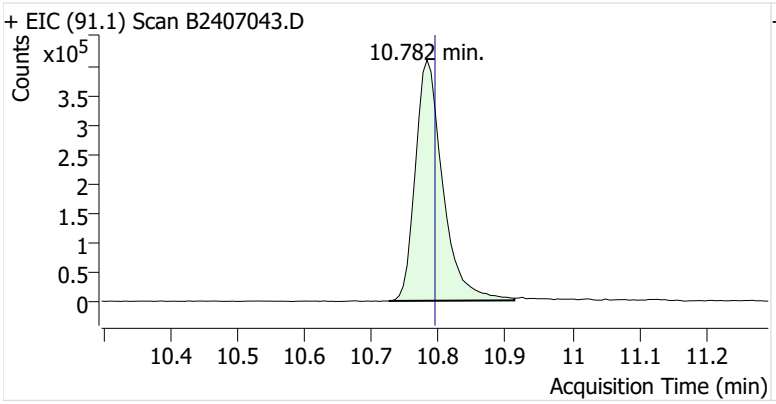


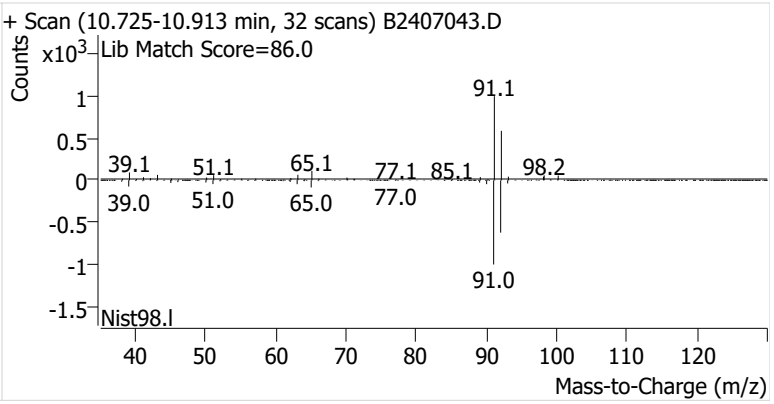
Toluene-d8 (IS)



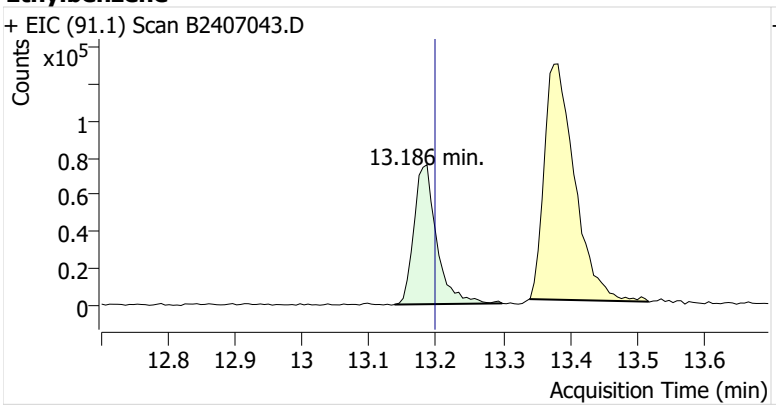


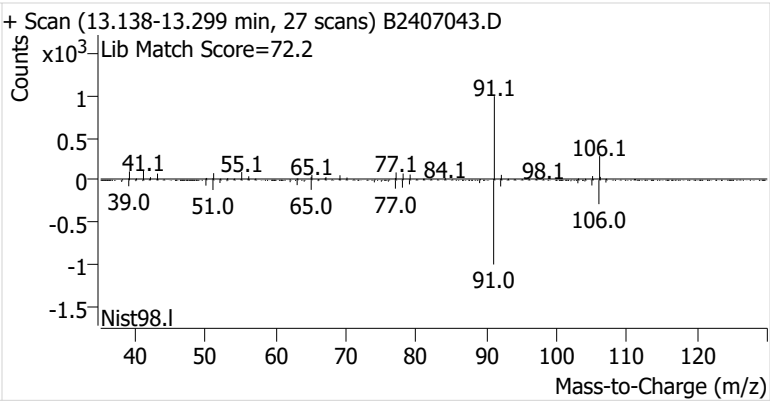
Toluene



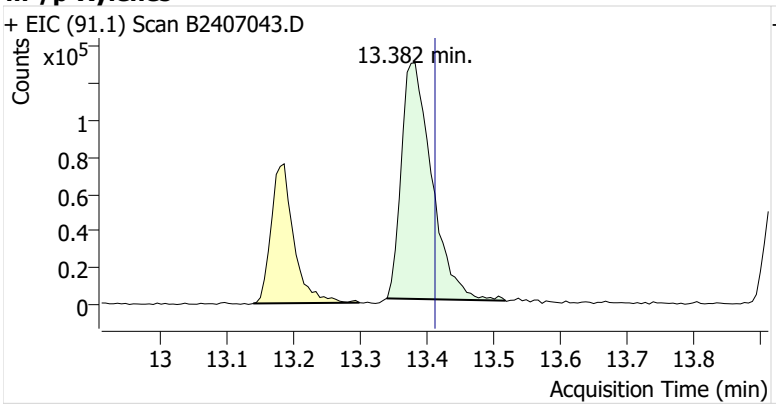


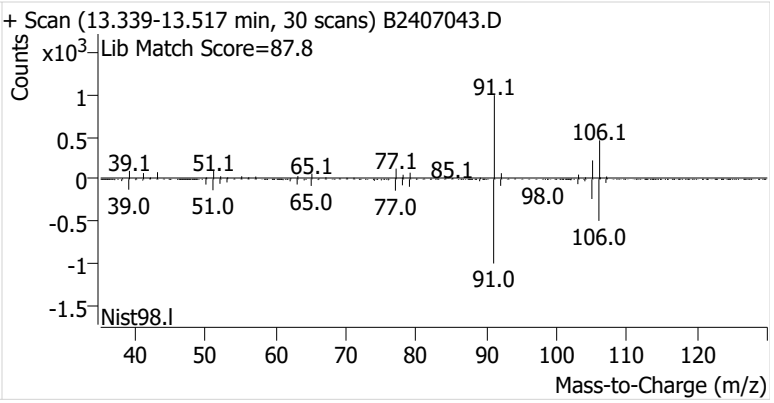
Ethylbenzene



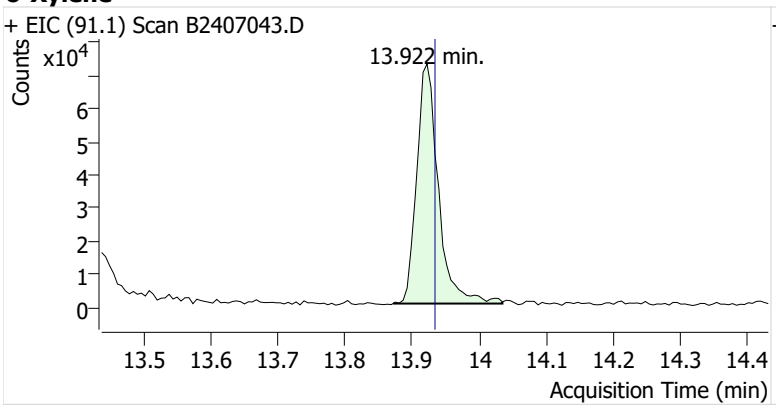


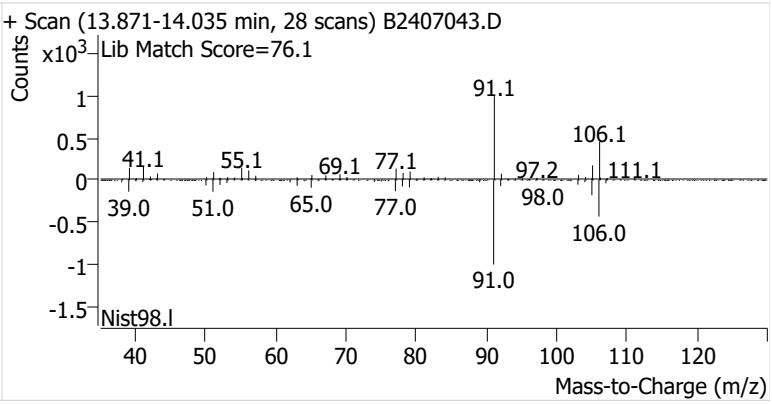
m-/p-Xylenes





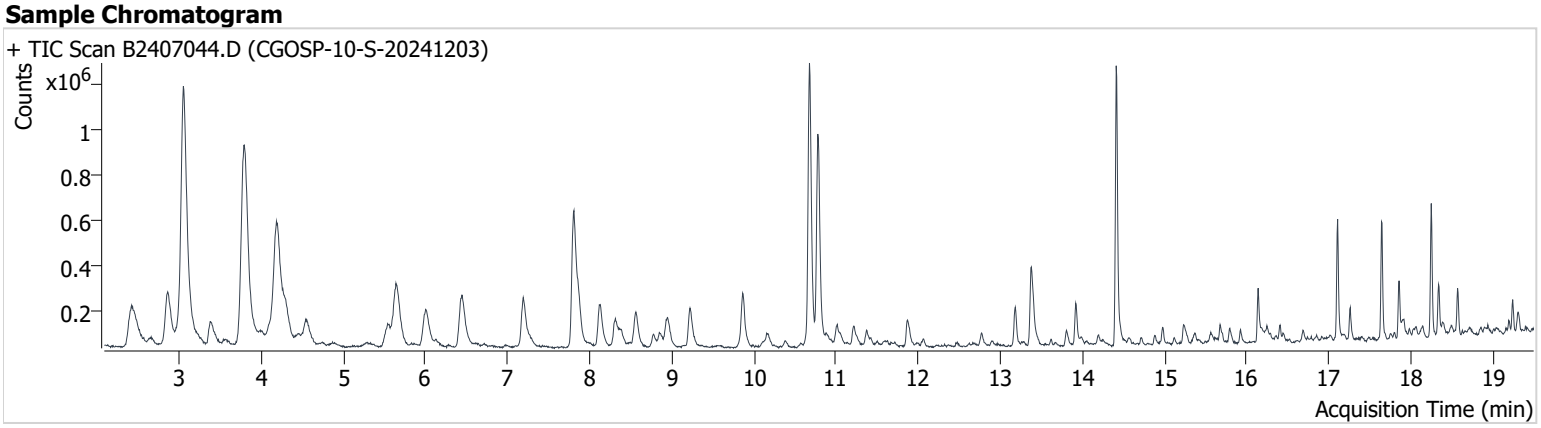
o-Xylene


+ EIC (91.1) Scan B2407043.D
Counts
x10^4
13.922 min.
Acquisition Time (min)


+ Scan (13.871-14.035 min, 28 scans) B2407043.D
Counts
x10^3
Lib Match Score=76.1
91.1
106.1
41.1
55.1
69.1
77.1
97.2
111.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
Mass-to-Charge (m/z)

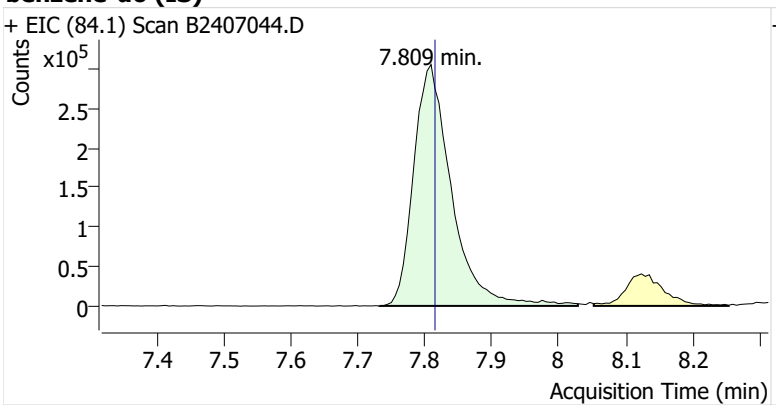
Name	CGOSP-10-S-20241203
Comment	C35772
Data File	B2407044.D
Acq. Date-Time	12/21/2024 2:08:15 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

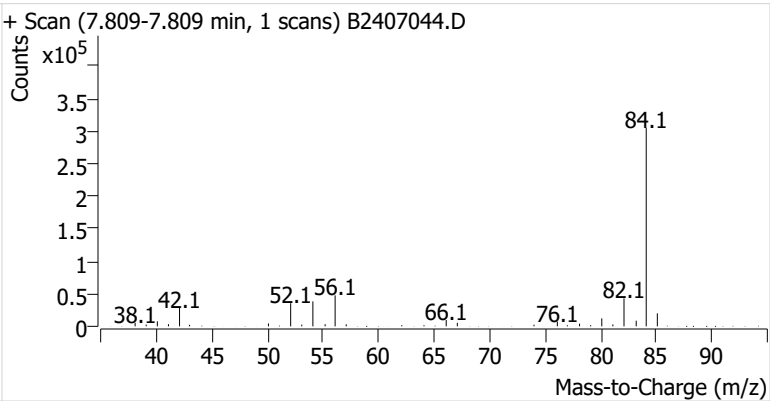
Sample Chromatogram



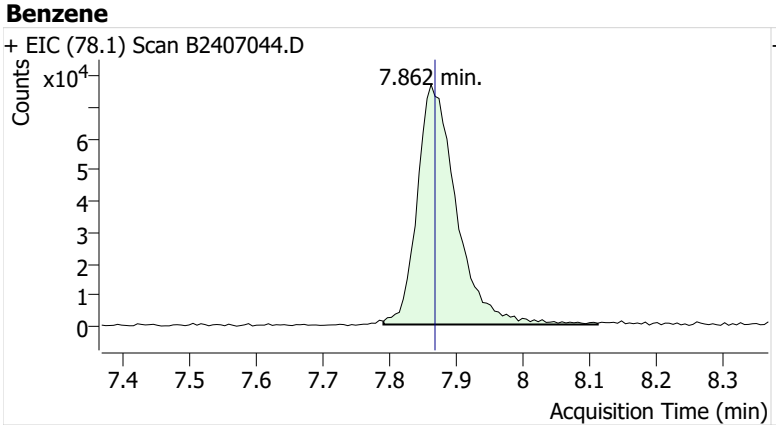
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.809	7.815	1,197,087	
Benzene	benzene-d6 (IS)	7.862	7.868	312,558	
Toluene-d8 (IS)		10.676	10.693	1,354,028	
Toluene	Toluene-d8 (IS)	10.777	10.794	1,108,604	
Ethylbenzene	Toluene-d8 (IS)	13.180	13.198	163,544	
m-/p-Xylenes	Toluene-d8 (IS)	13.370	13.412	381,090	
o-Xylene	Toluene-d8 (IS)	13.916	13.934	148,157	

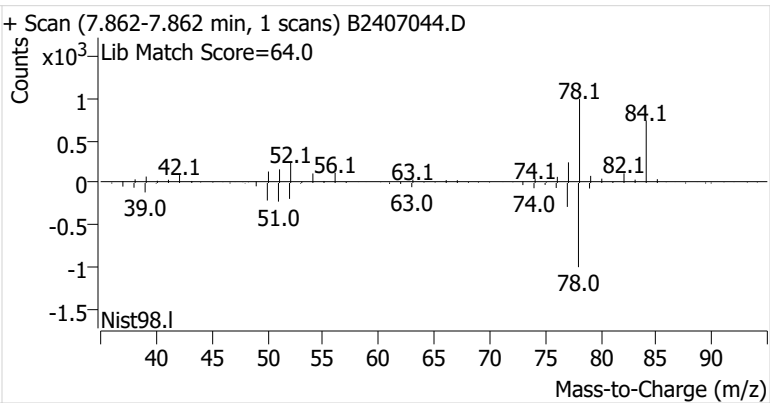
benzene-d6 (IS)



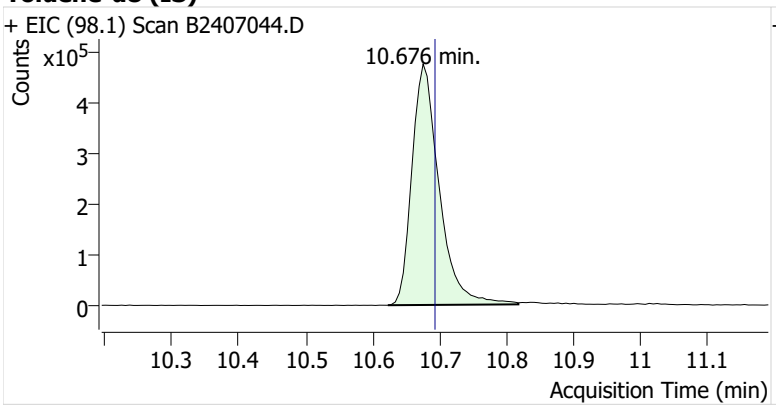


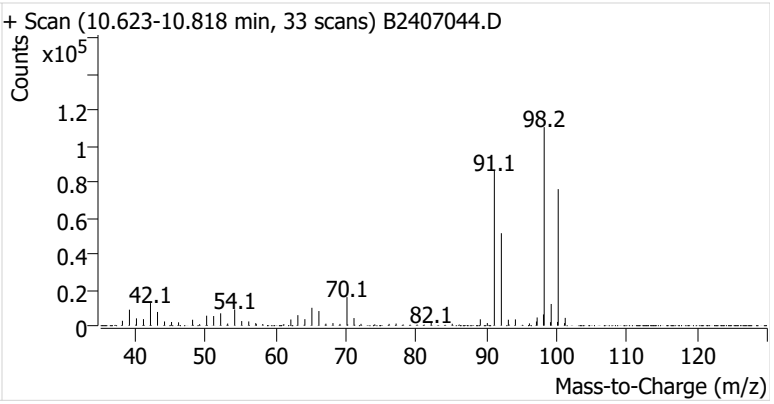
Benzene



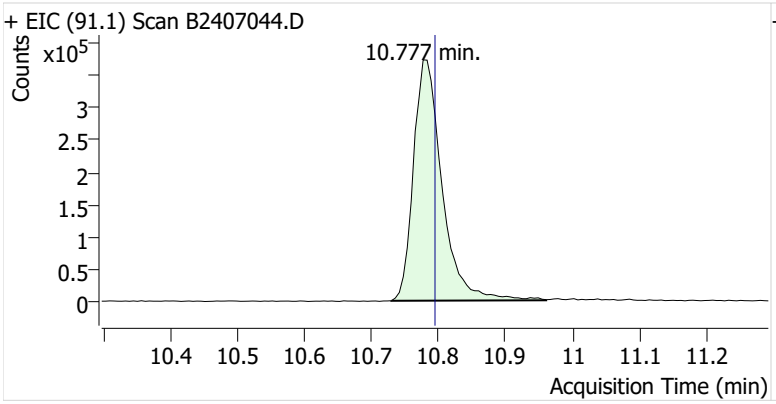


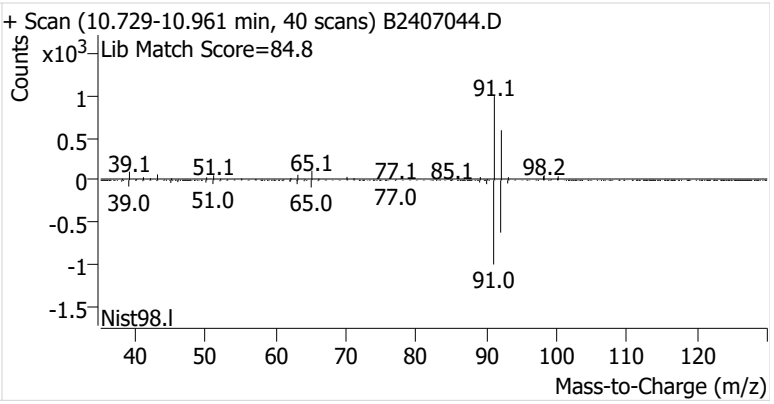
Toluene-d8 (IS)



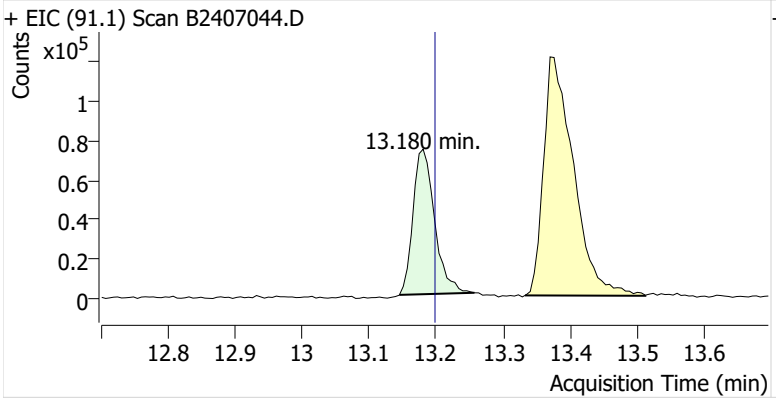


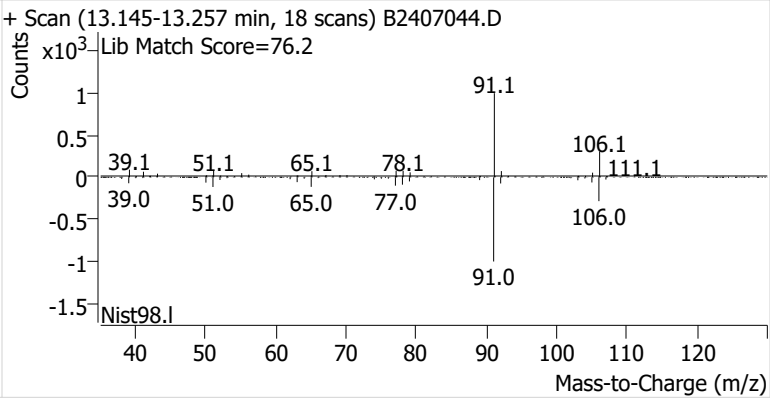
Toluene



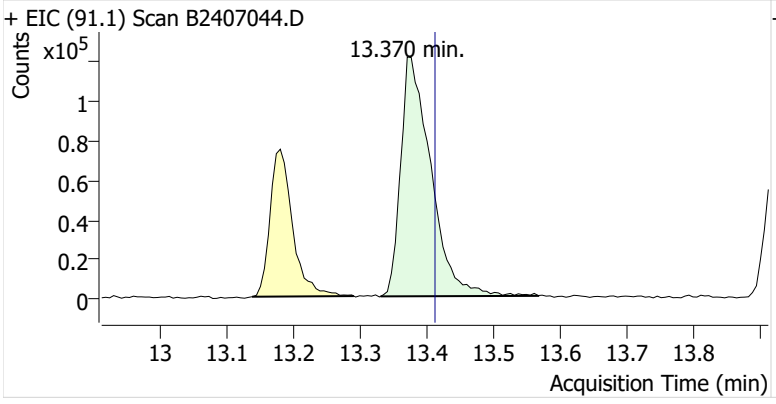


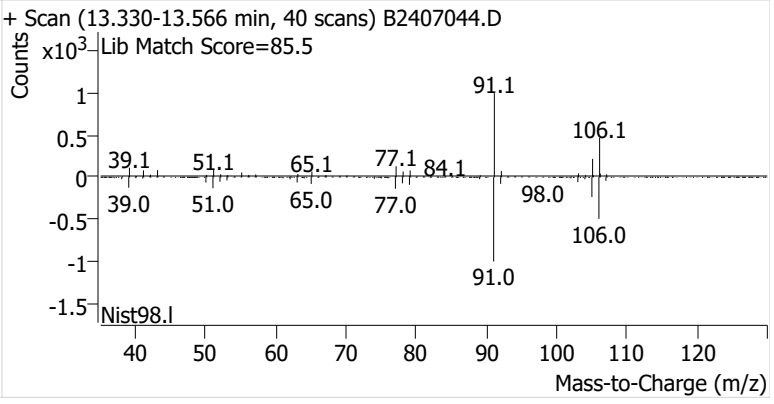
Ethylbenzene



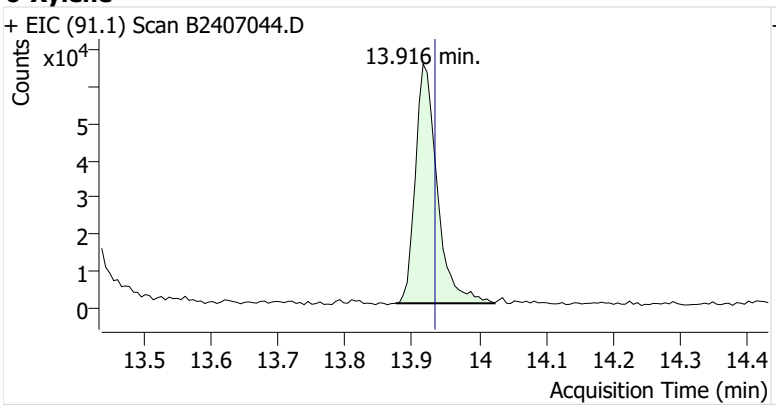


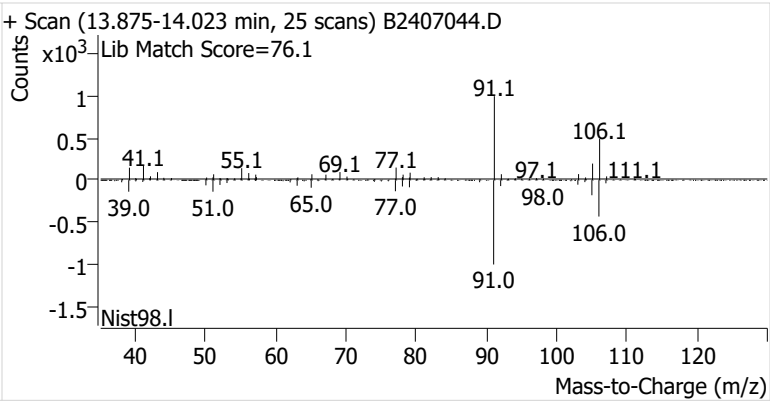
m-/p-Xylenes





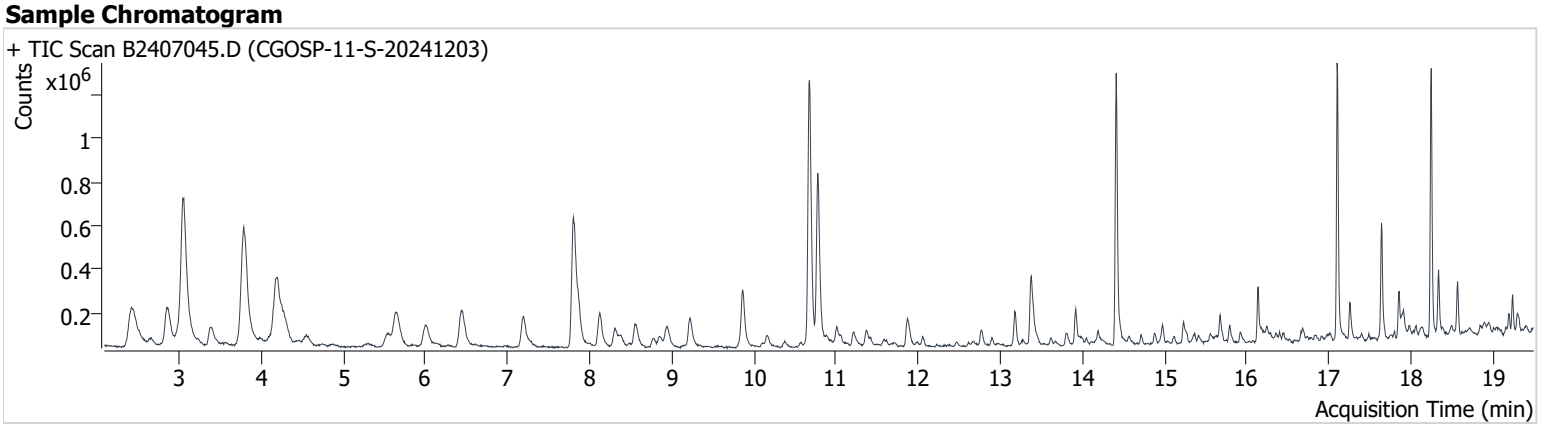
o-Xylene


+ EIC (91.1) Scan B2407044.D
Counts
x10^4
13.916 min.
Acquisition Time (min)


+ Scan (13.875-14.023 min, 25 scans) B2407044.D
Counts
x10^3
Lib Match Score=76.1
91.1
106.1
41.1
55.1
69.1
77.1
97.1
111.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
Mass-to-Charge (m/z)

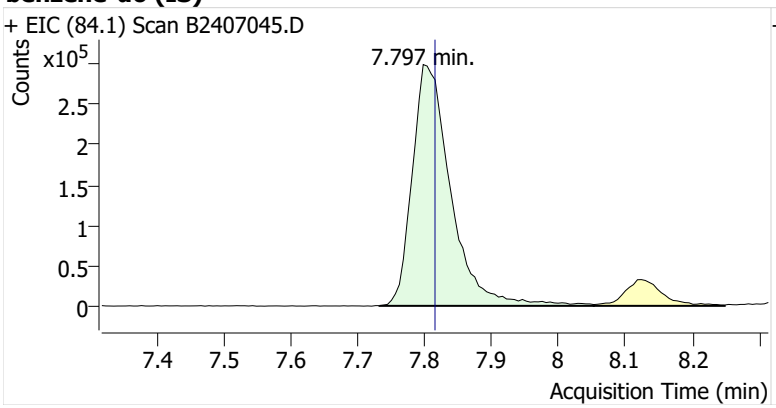
Name	CGOSP-11-S-20241203
Comment	C37017
Data File	B2407045.D
Acq. Date-Time	12/21/2024 2:45:38 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

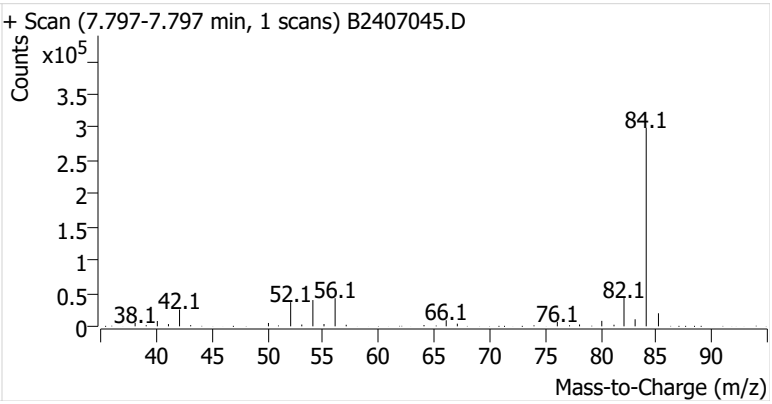
Sample Chromatogram



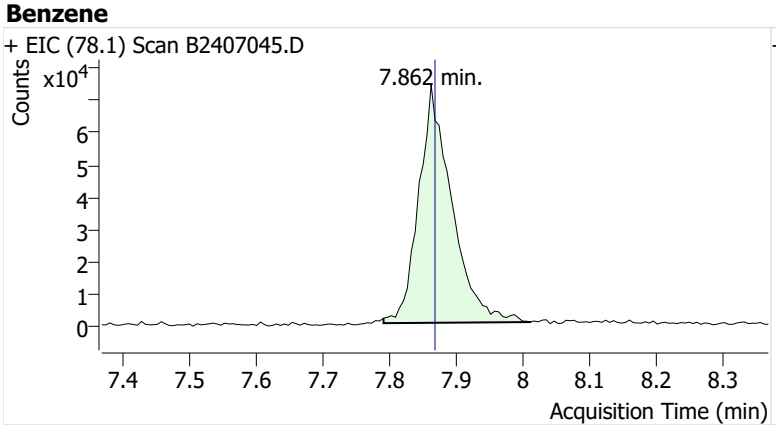
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.797	7.815	1,197,189	
Benzene	benzene-d6 (IS)	7.862	7.868	254,222	
Toluene-d8 (IS)		10.670	10.693	1,366,284	
Toluene	Toluene-d8 (IS)	10.777	10.794	923,158	
Ethylbenzene	Toluene-d8 (IS)	13.175	13.198	151,526	
m-/p-Xylenes	Toluene-d8 (IS)	13.376	13.412	349,812	
o-Xylene	Toluene-d8 (IS)	13.917	13.934	129,846	

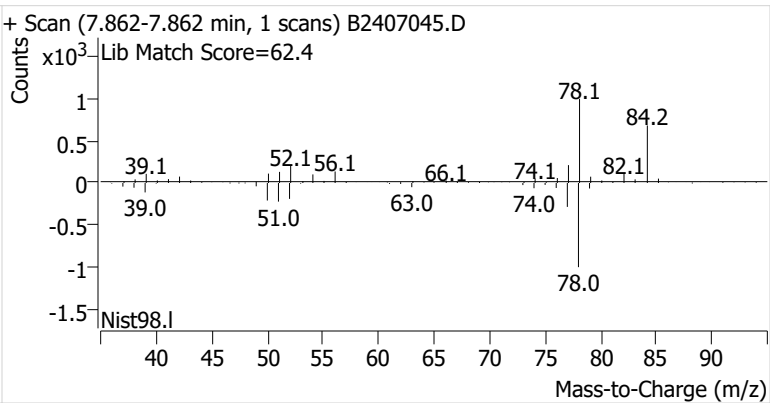
benzene-d6 (IS)



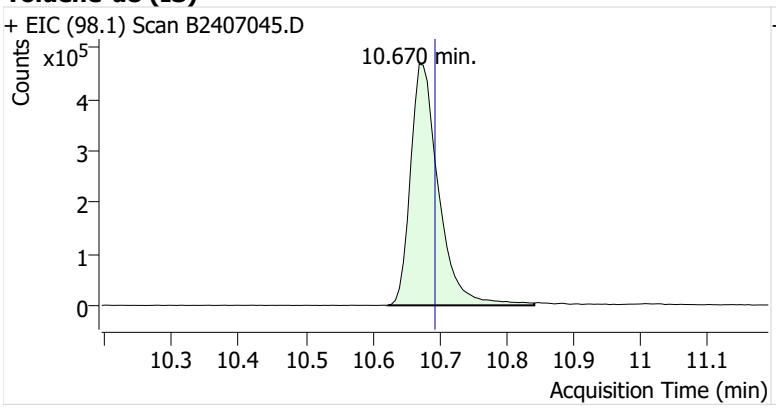


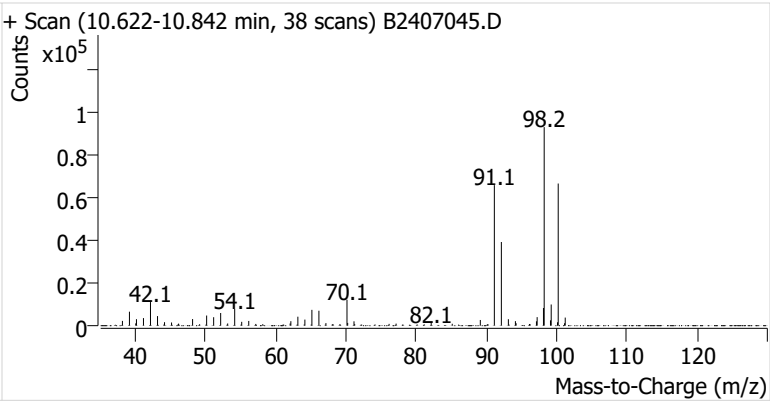
Benzene



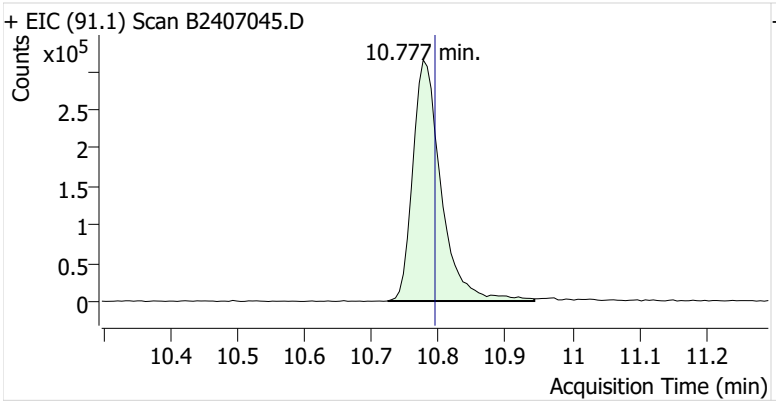


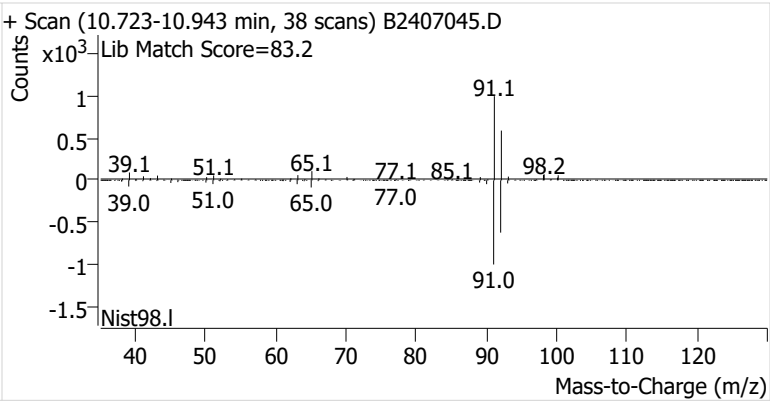
Toluene-d8 (IS)



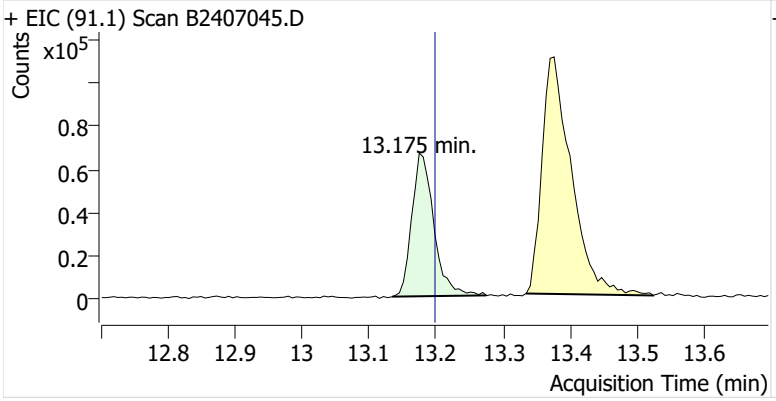


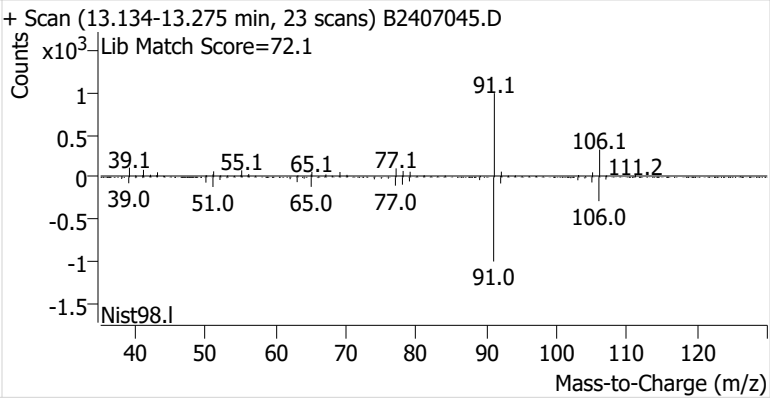
Toluene



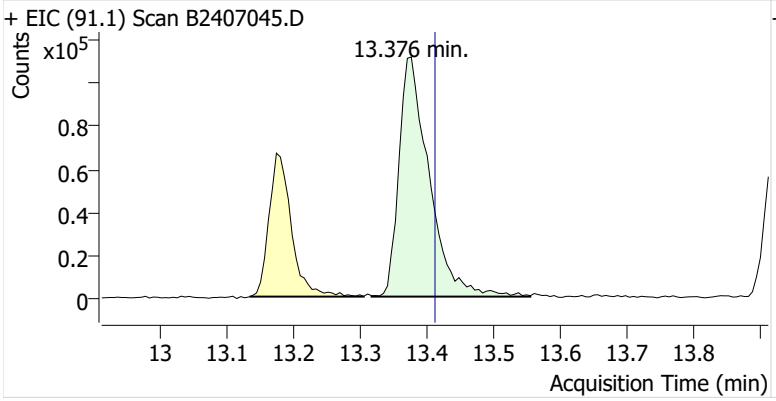


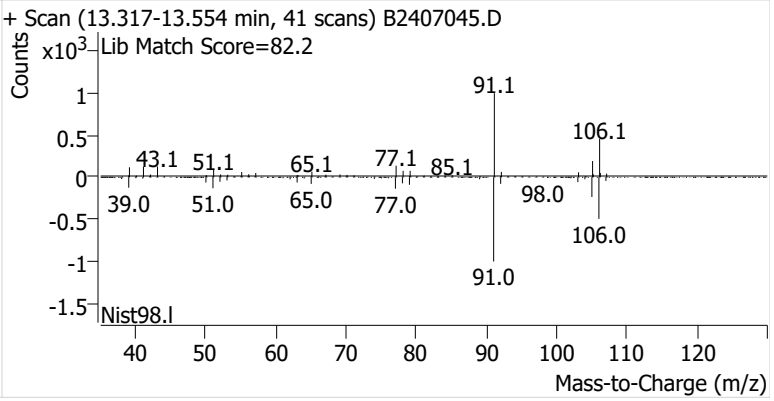
Ethylbenzene



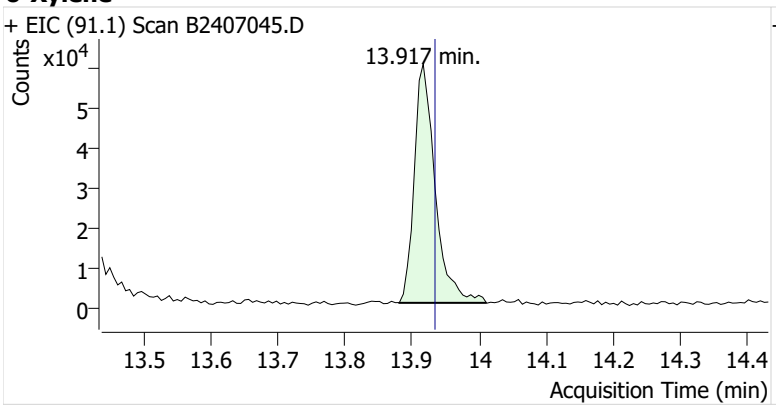


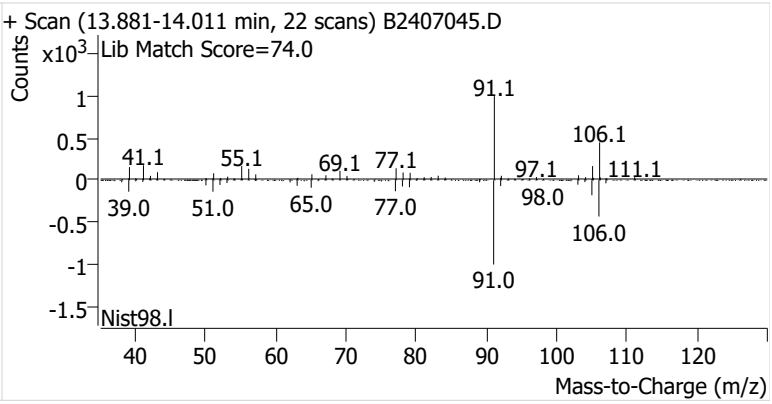
m-/p-Xylenes





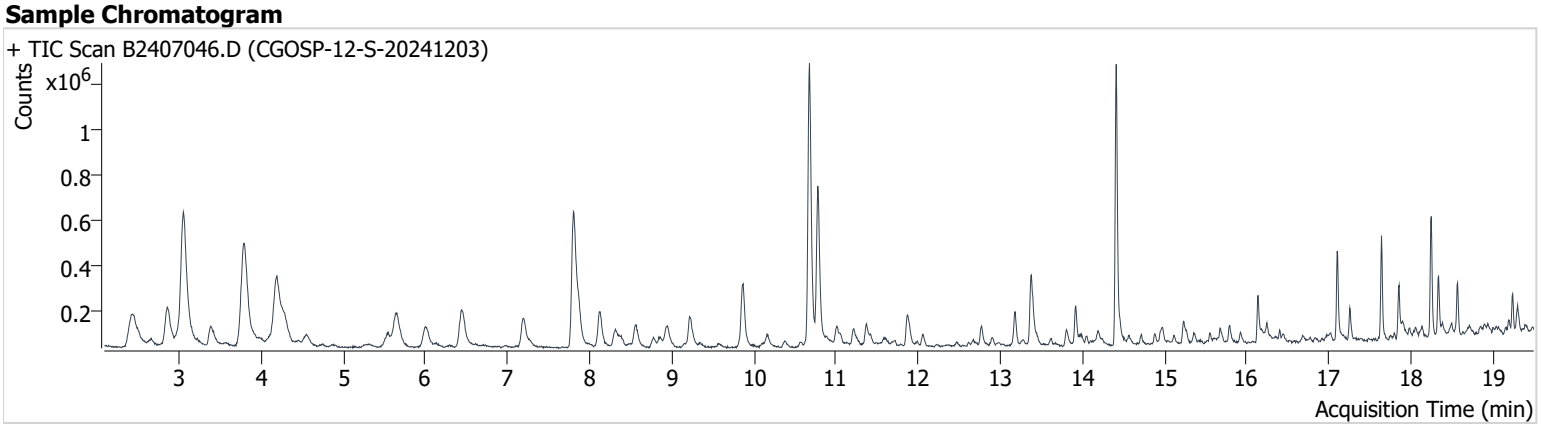
o-Xylene


+ EIC (91.1) Scan B2407045.D
Counts
x10^4
13.917 min.
5
4
3
2
1
0
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)


+ Scan (13.881-14.011 min, 22 scans) B2407045.D
Counts
x10^3
Lib Match Score=74.0
91.1
106.1
41.1
55.1
69.1
77.1
97.1
111.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

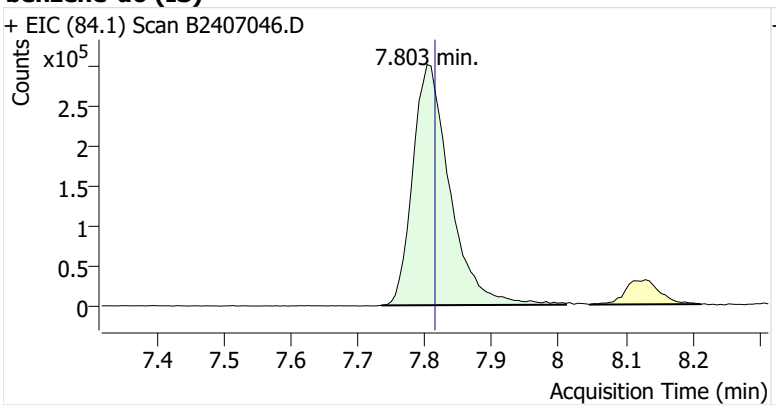
Name	CGOSP-12-S-20241203
Comment	B34572
Data File	B2407046.D
Acq. Date-Time	12/21/2024 3:23:00 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

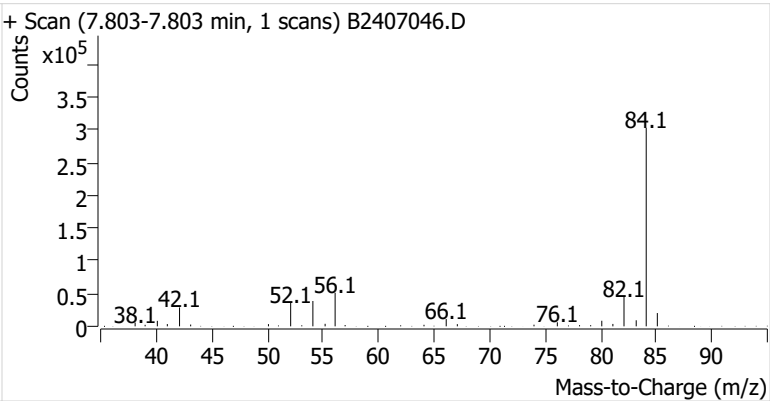
Sample Chromatogram



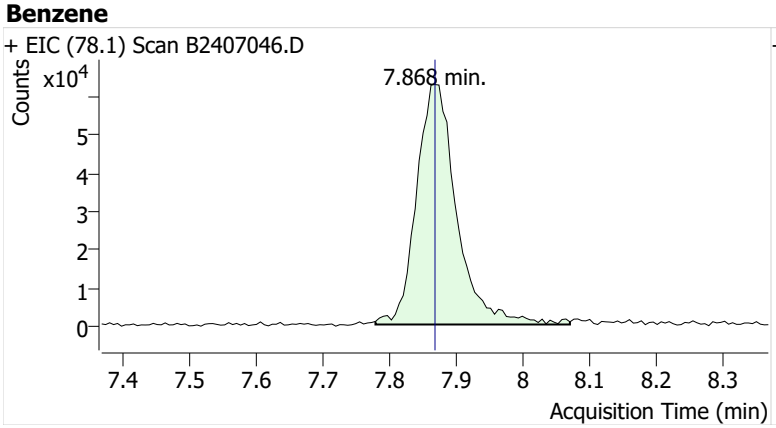
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.803	7.815	1,164,513	
Benzene	benzene-d6 (IS)	7.868	7.868	262,171	
Toluene-d8 (IS)		10.676	10.693	1,349,806	
Toluene	Toluene-d8 (IS)	10.777	10.794	806,665	
Ethylbenzene	Toluene-d8 (IS)	13.174	13.198	151,638	
m-/p-Xylenes	Toluene-d8 (IS)	13.376	13.412	339,138	
o-Xylene	Toluene-d8 (IS)	13.916	13.934	132,218	

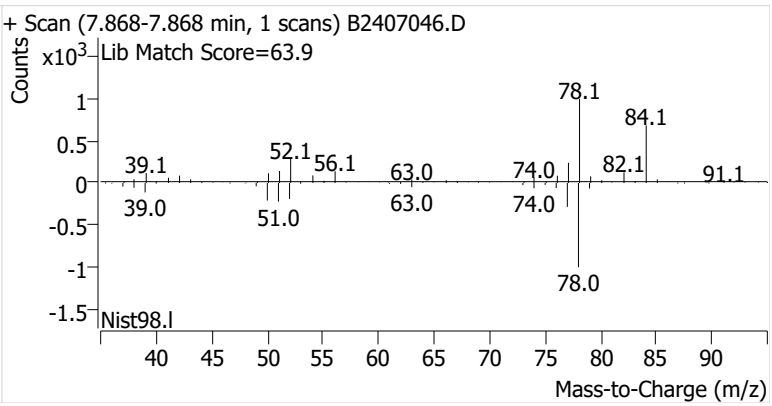
benzene-d6 (IS)



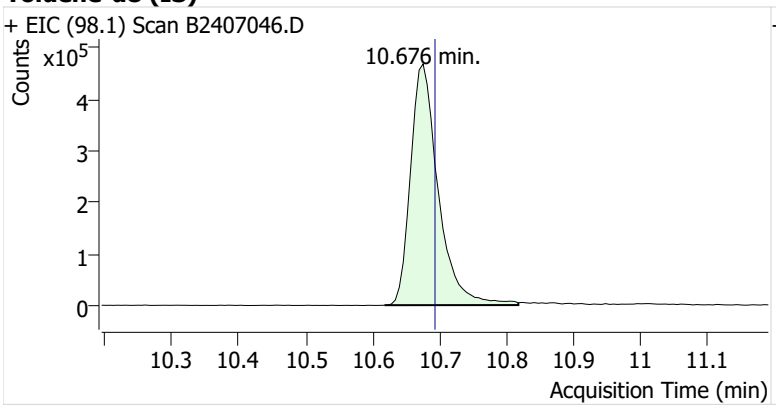


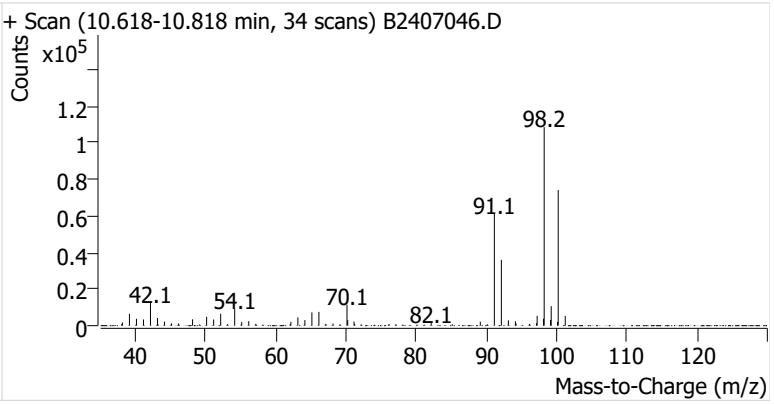
Benzene



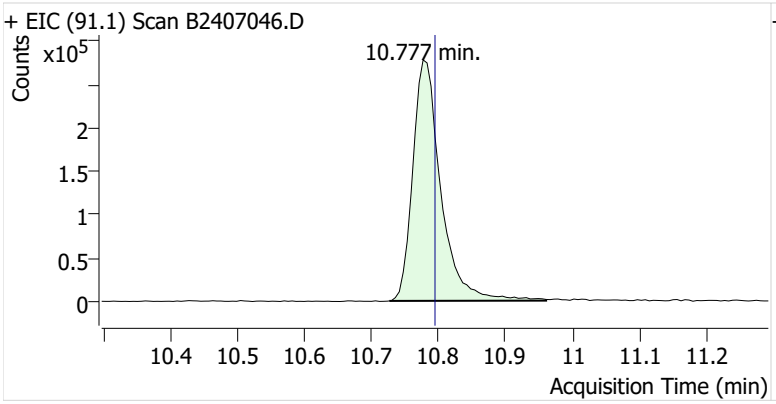


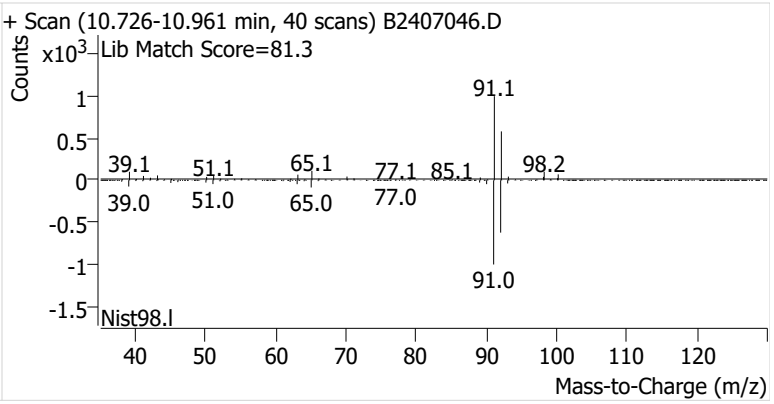
Toluene-d8 (IS)



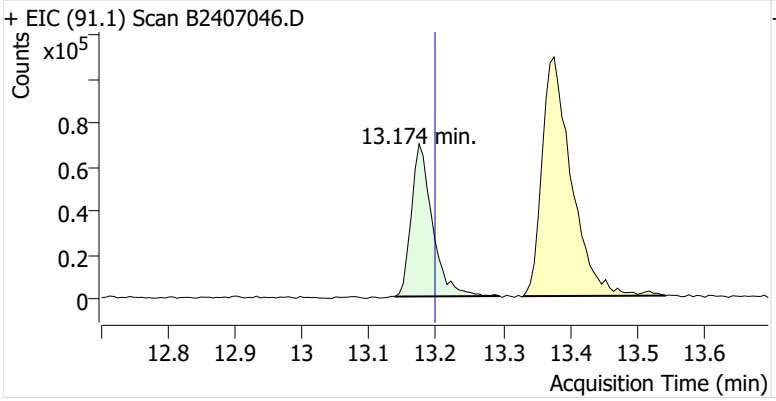


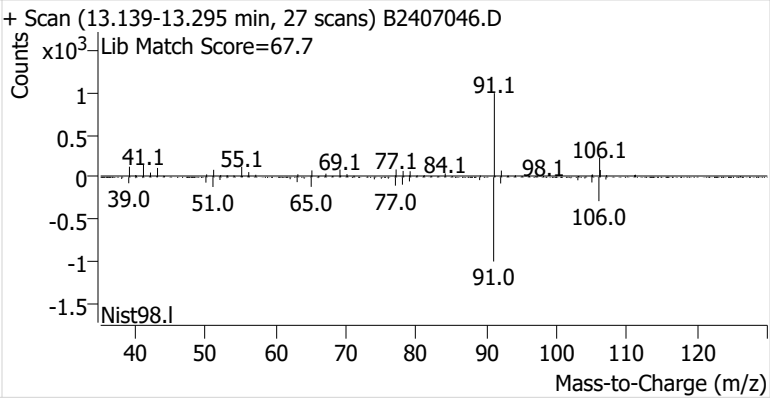
Toluene



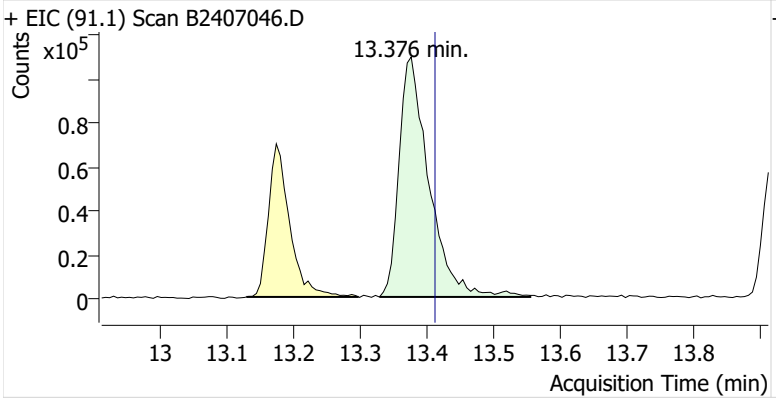


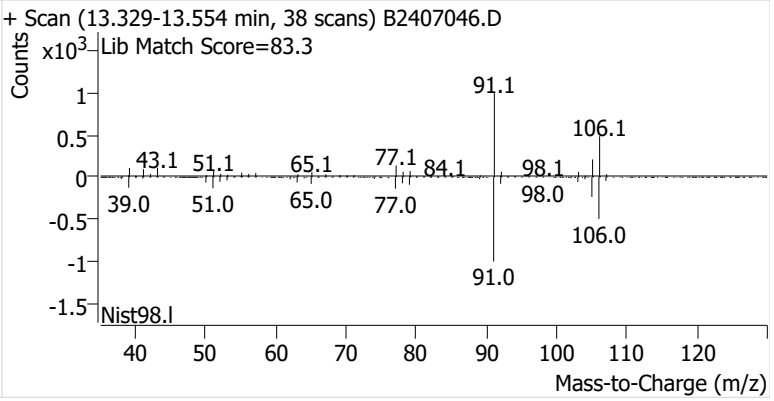
Ethylbenzene



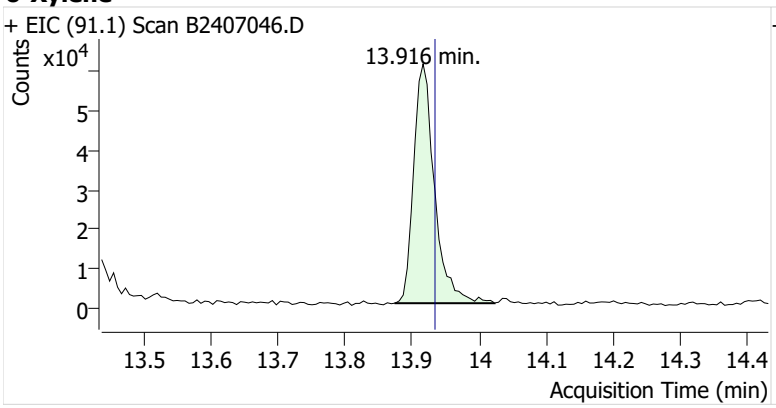


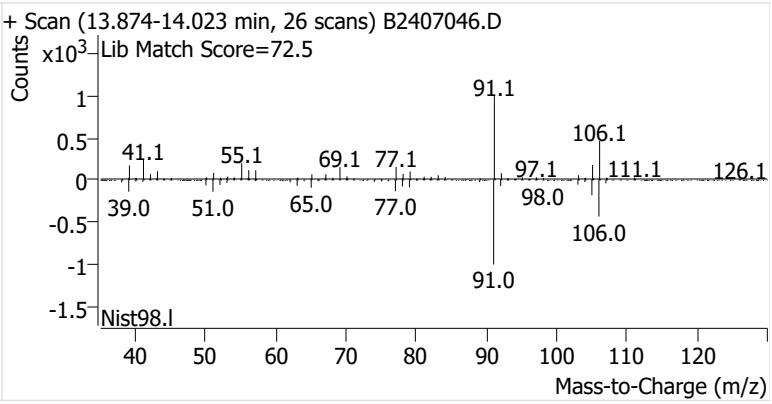
m-/p-Xylenes





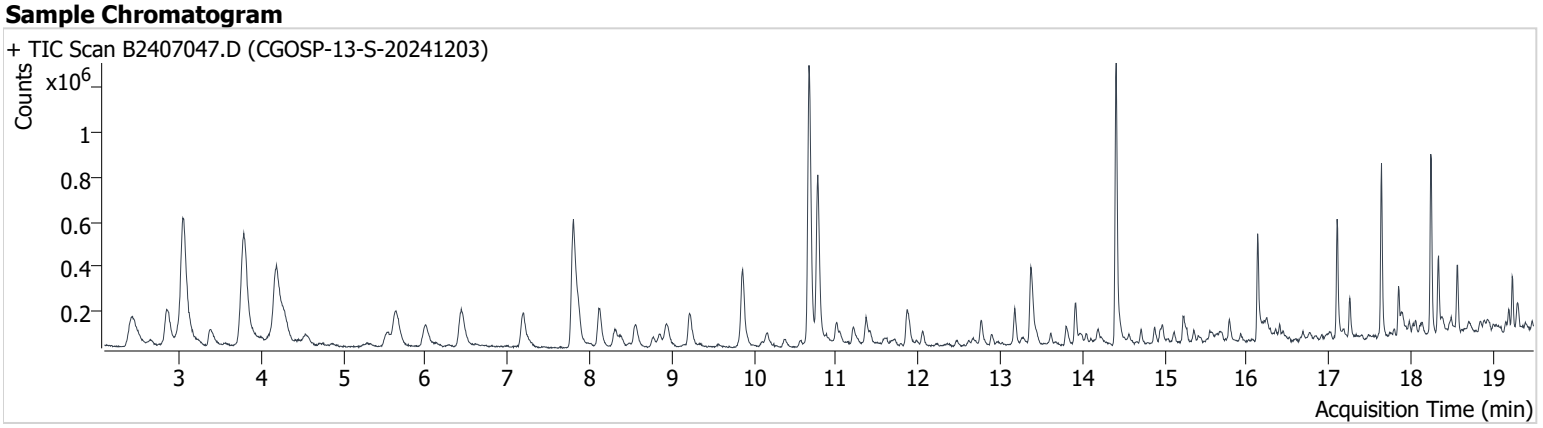
o-Xylene


+ EIC (91.1) Scan B2407046.D
Counts
x10^4
13.916 min.
5
4
3
2
1
0
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)


+ Scan (13.874-14.023 min, 26 scans) B2407046.D
Counts
x10^3
Lib Match Score=72.5
1
0.5
0
-0.5
-1
-1.5
91.1
106.1
41.1
55.1
69.1
77.1
97.1
111.1
126.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

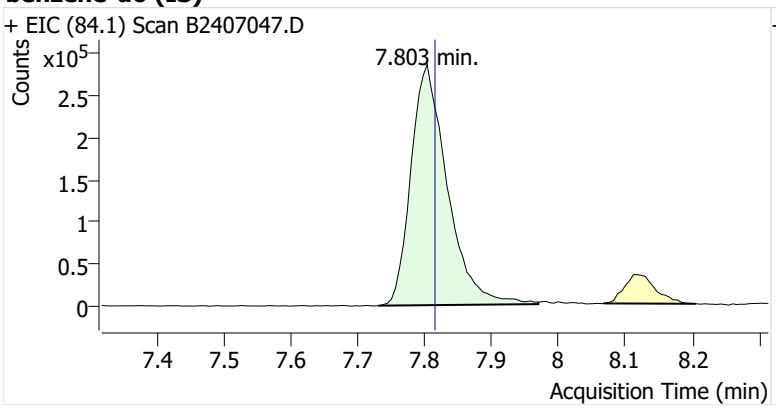
Name	CGOSP-13-S-20241203
Comment	C01853
Data File	B2407047.D
Acq. Date-Time	12/21/2024 4:00:23 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

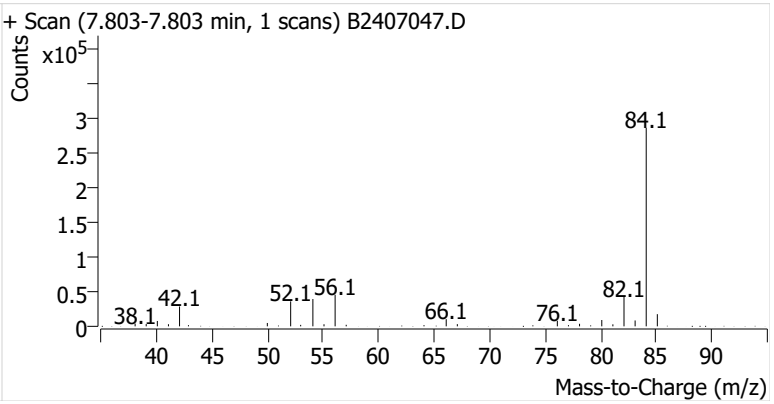
Sample Chromatogram



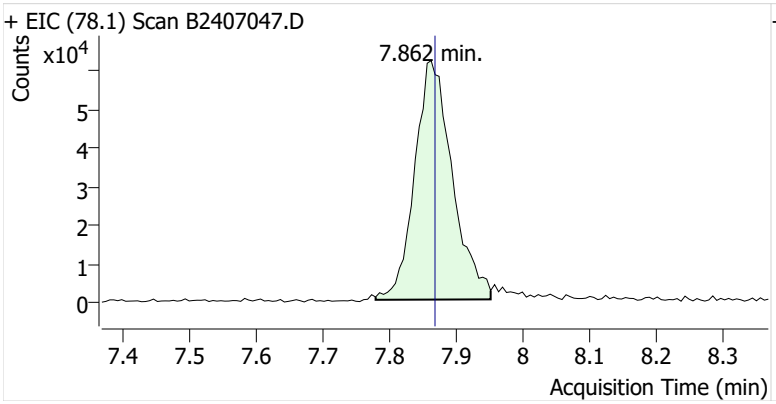
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.803	7.815	1,081,274	
Benzene	benzene-d6 (IS)	7.862	7.868	242,729	
Toluene-d8 (IS)		10.670	10.693	1,354,899	
Toluene	Toluene-d8 (IS)	10.777	10.794	865,214	
Ethylbenzene	Toluene-d8 (IS)	13.175	13.198	157,253	
m-/p-Xylenes	Toluene-d8 (IS)	13.370	13.412	375,928	
o-Xylene	Toluene-d8 (IS)	13.911	13.934	145,057	

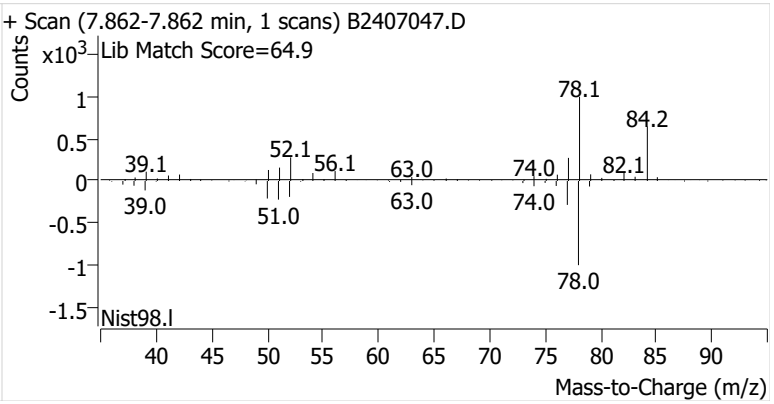
benzene-d6 (IS)



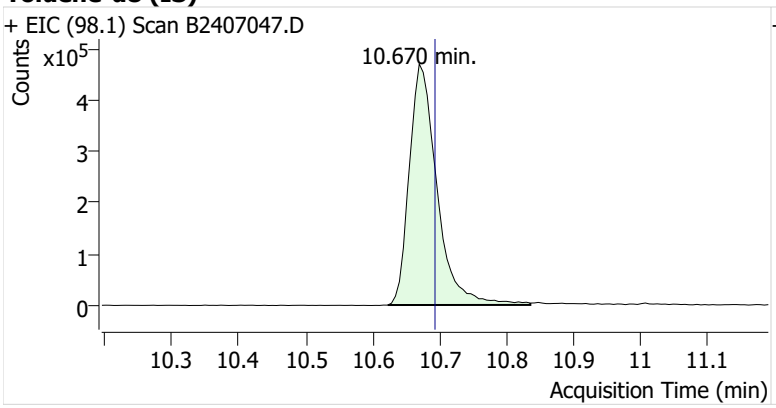


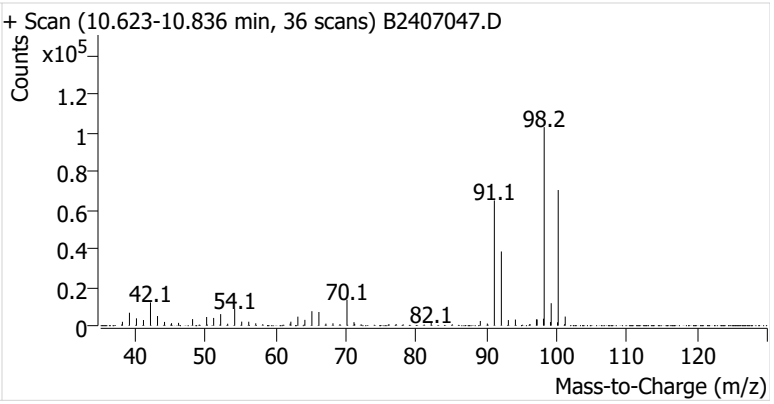
Benzene



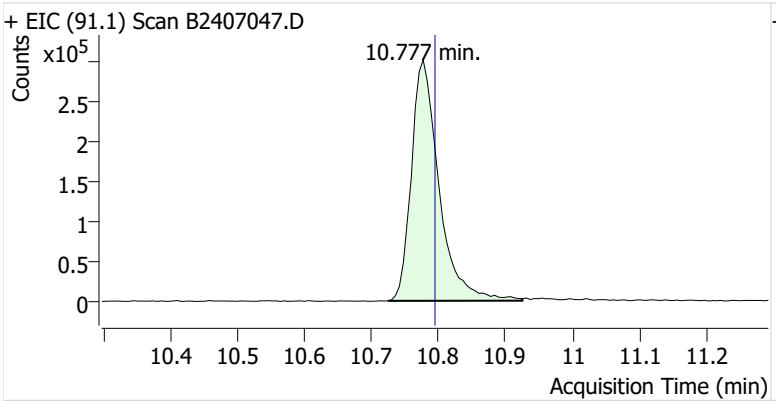


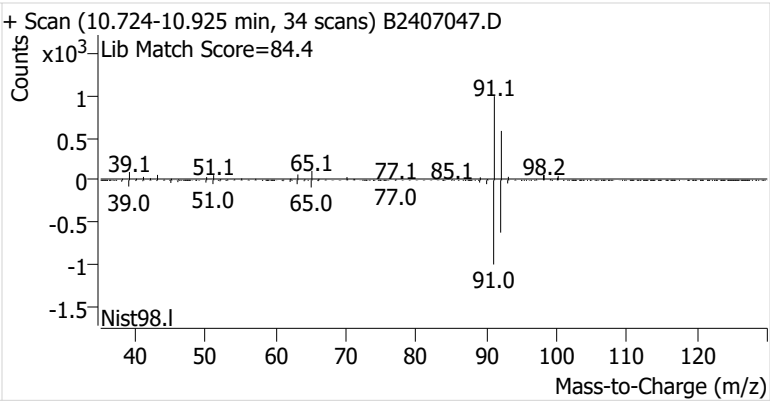
Toluene-d8 (IS)



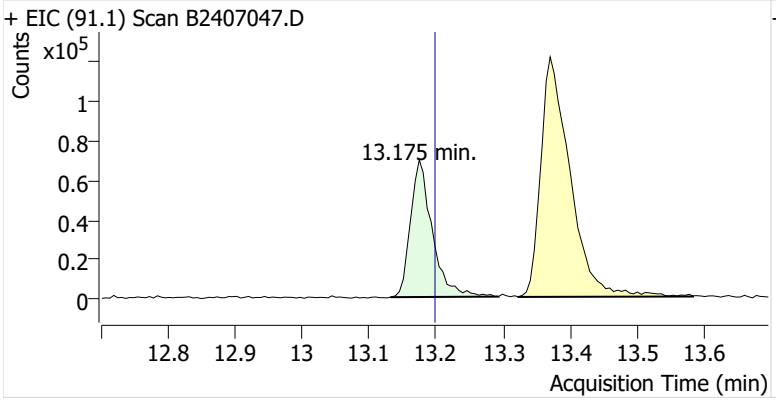


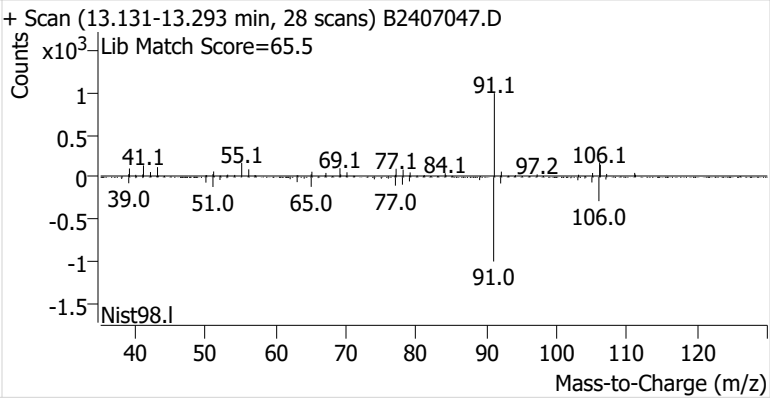
Toluene



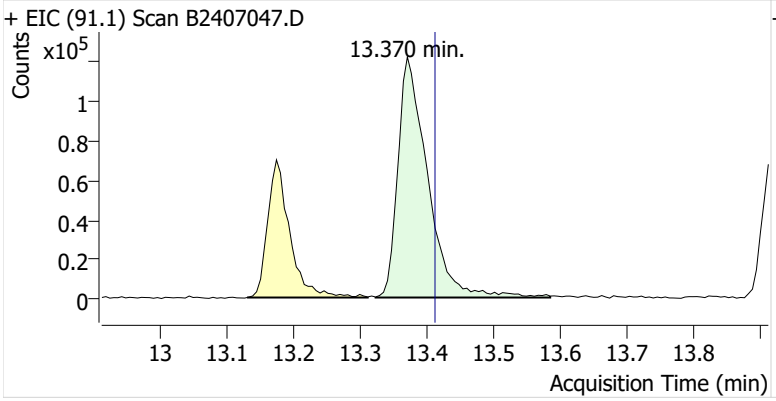


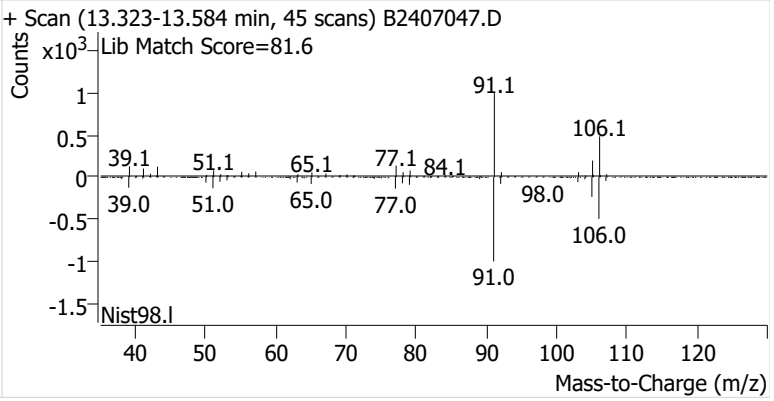
Ethylbenzene



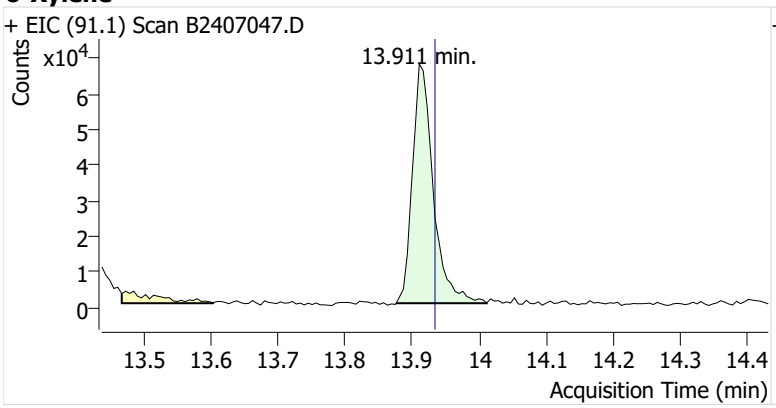


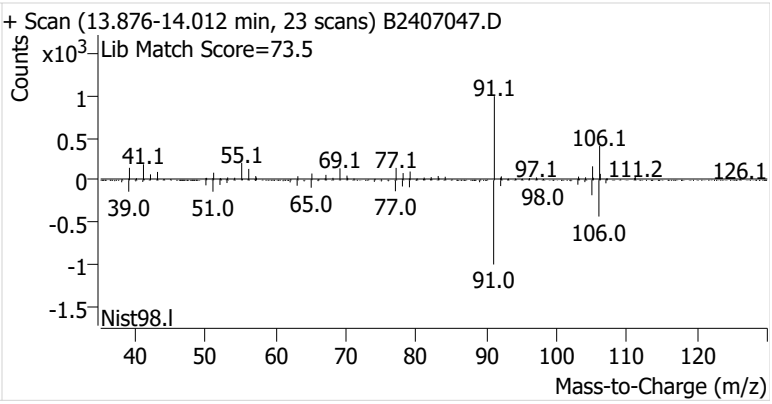
m-/p-Xylenes





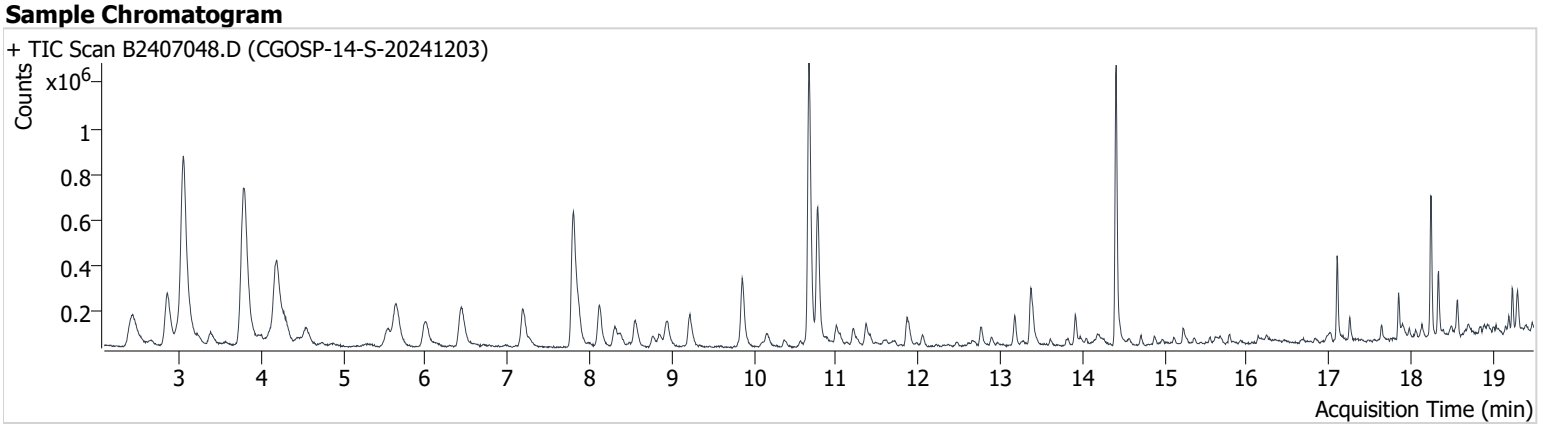
o-Xylene


+ EIC (91.1) Scan B2407047.D
Counts
x10^4
13.911 min.
Acquisition Time (min)


+ Scan (13.876-14.012 min, 23 scans) B2407047.D
Counts
x10^3
Lib Match Score=73.5
Nist98.l
Mass-to-Charge (m/z)

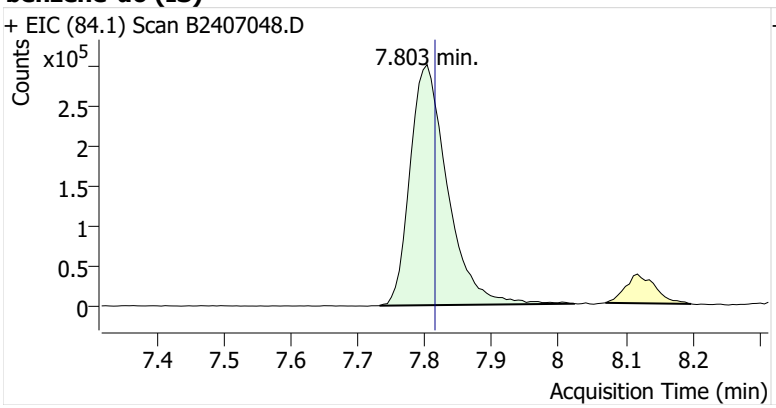
Name	CGOSP-14-S-20241203
Comment	B46217
Data File	B2407048.D
Acq. Date-Time	12/21/2024 4:37:46 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

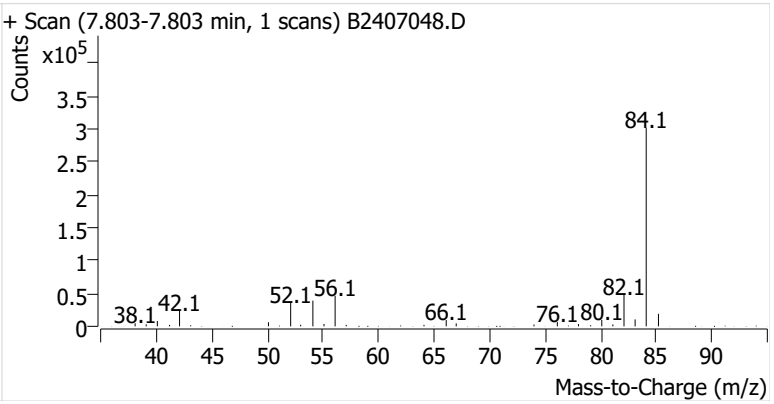
Sample Chromatogram



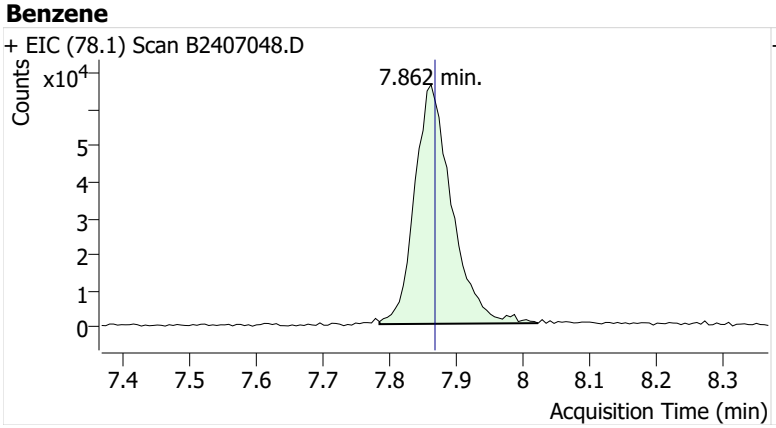
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.803	7.815	1,170,258	
Benzene	benzene-d6 (IS)	7.862	7.868	255,649	
Toluene-d8 (IS)		10.670	10.693	1,351,048	
Toluene	Toluene-d8 (IS)	10.777	10.794	679,047	
Ethylbenzene	Toluene-d8 (IS)	13.174	13.198	132,513	
m-/p-Xylenes	Toluene-d8 (IS)	13.370	13.412	265,468	
o-Xylene	Toluene-d8 (IS)	13.910	13.934	99,198	

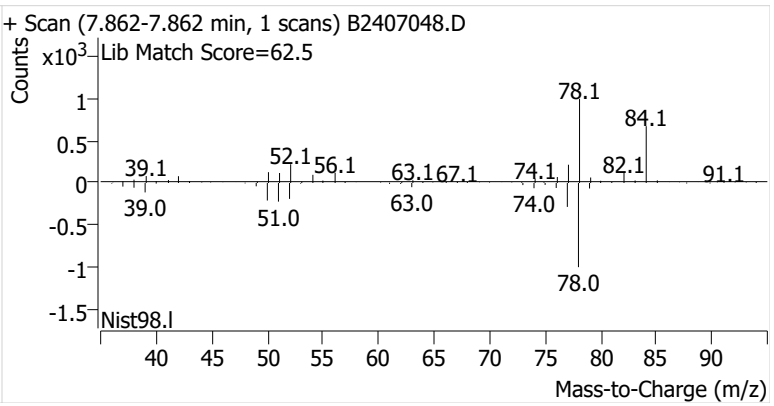
benzene-d6 (IS)



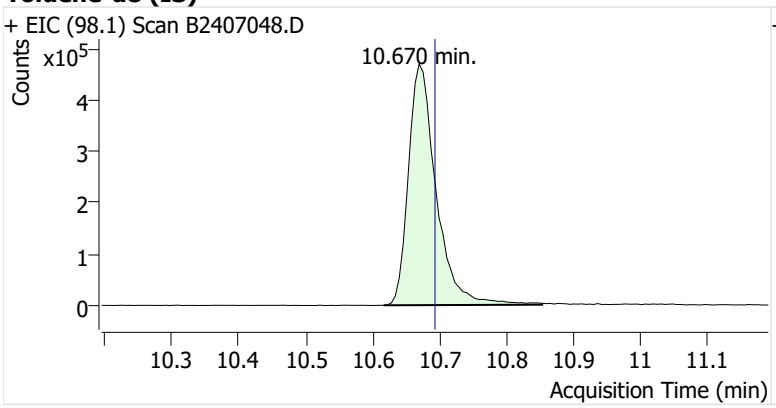


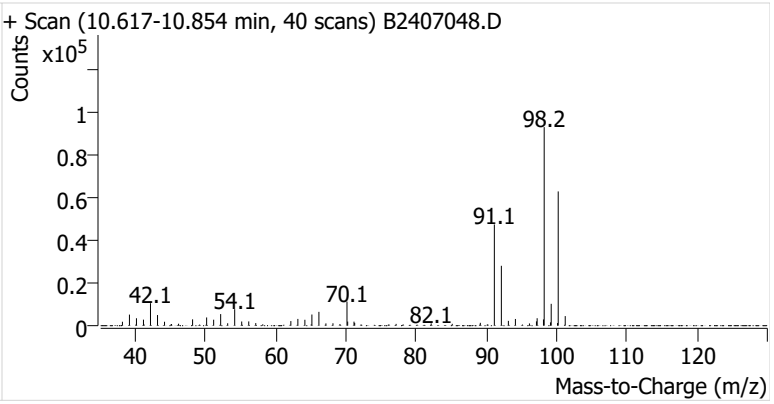
Benzene



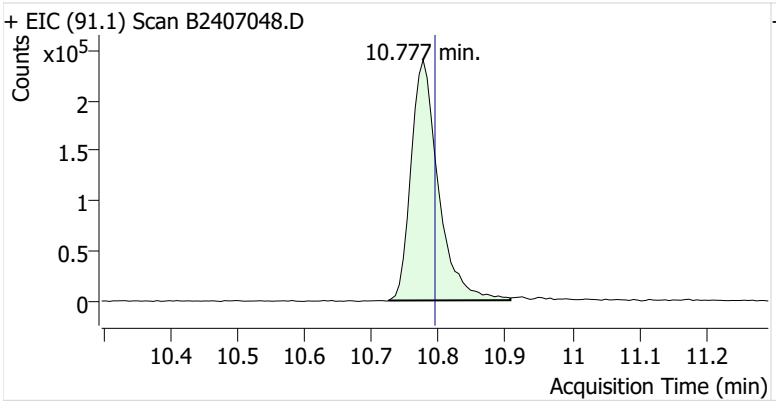


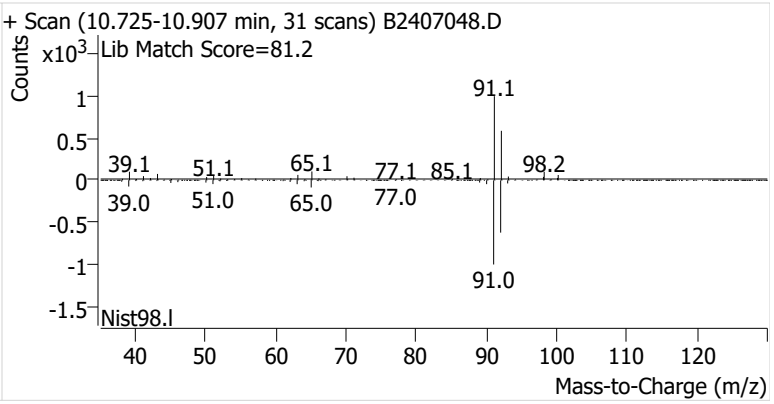
Toluene-d8 (IS)



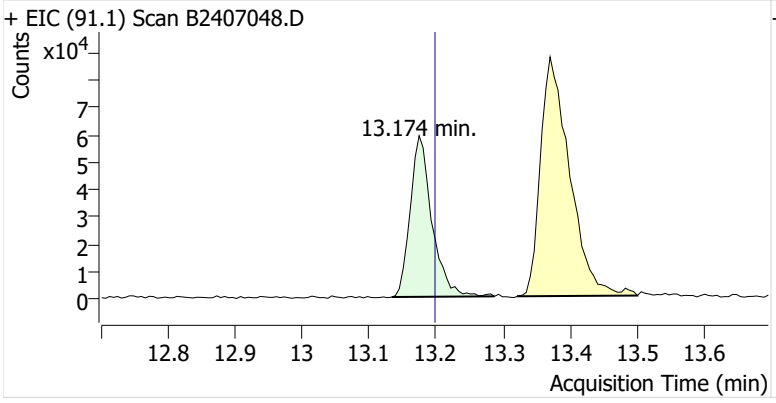


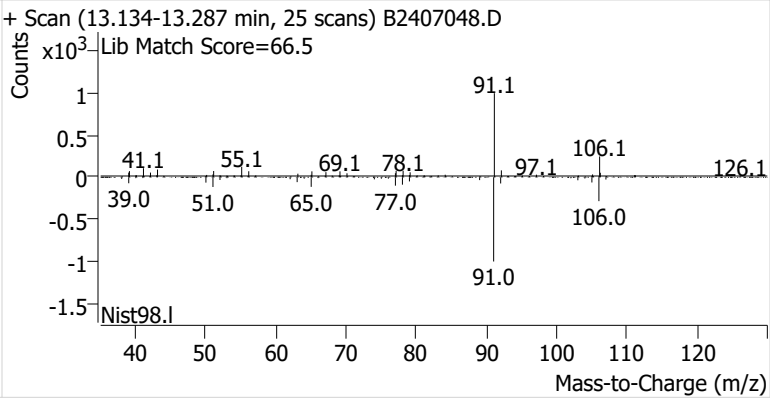
Toluene



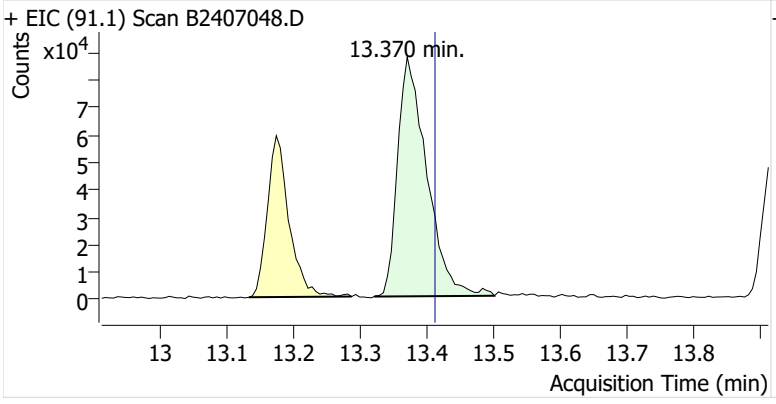


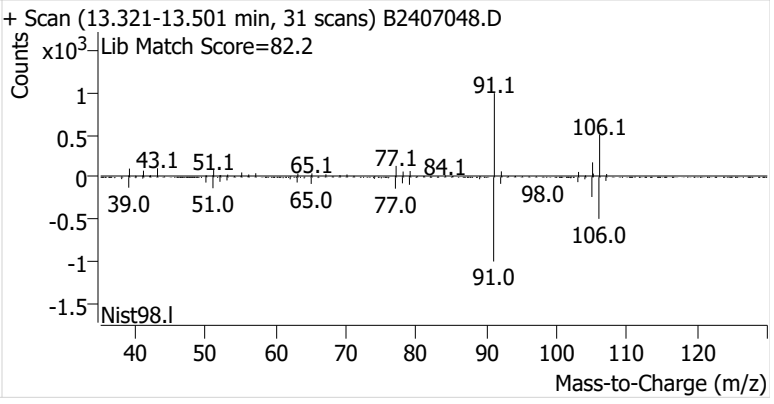
Ethylbenzene



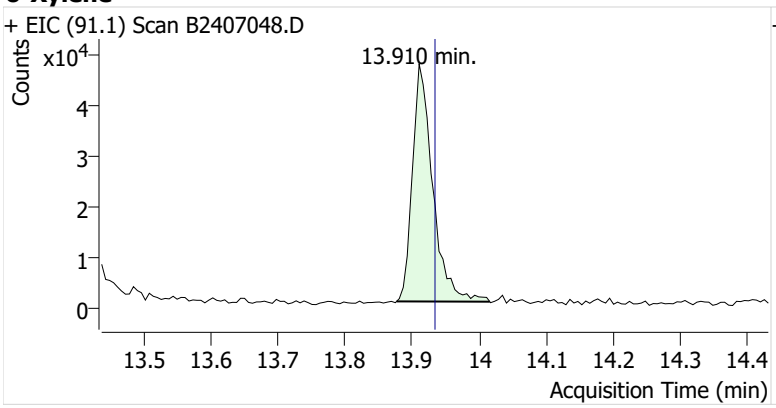


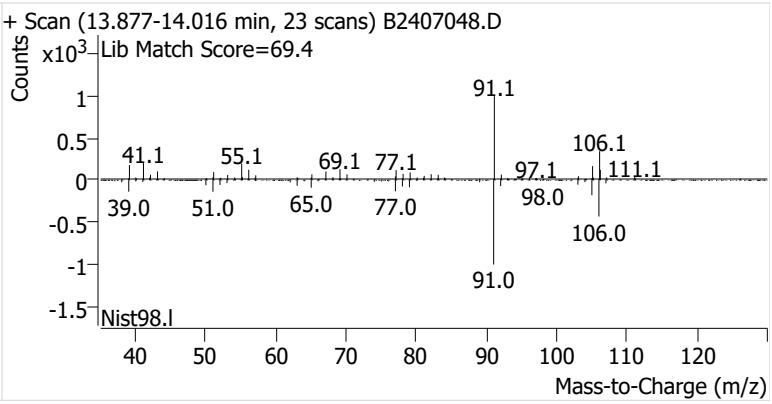
m-/p-Xylenes





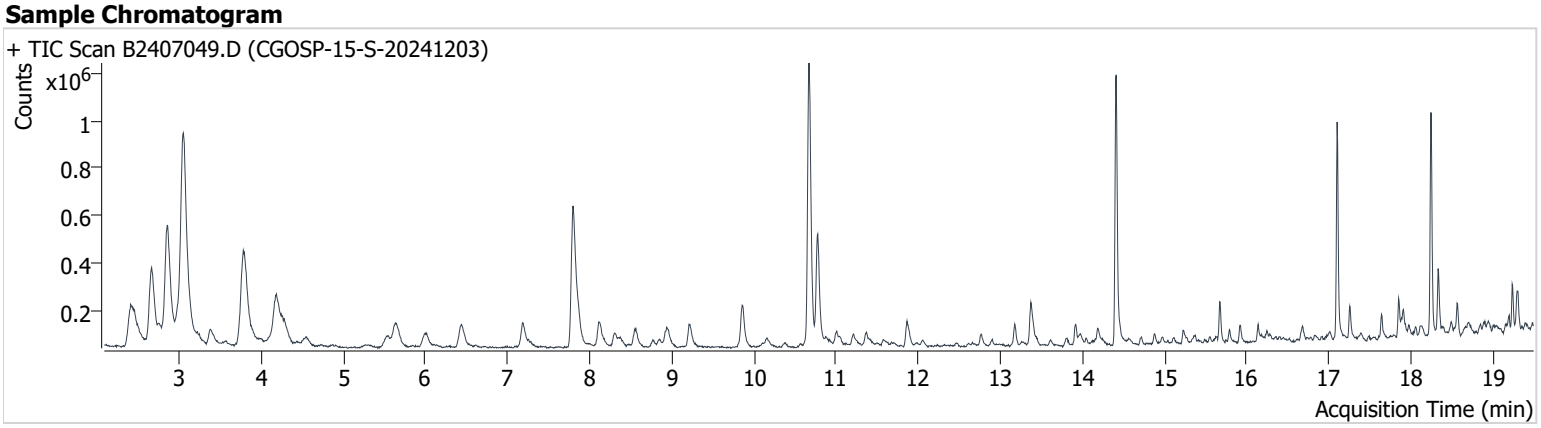
o-Xylene


+ EIC (91.1) Scan B2407048.D
Counts
x10^4
13.910 min.
Acquisition Time (min)


+ Scan (13.877-14.016 min, 23 scans) B2407048.D
Counts
x10^3
Lib Match Score=69.4
91.1
106.1
41.1
55.1
69.1
77.1
97.1
111.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
Mass-to-Charge (m/z)

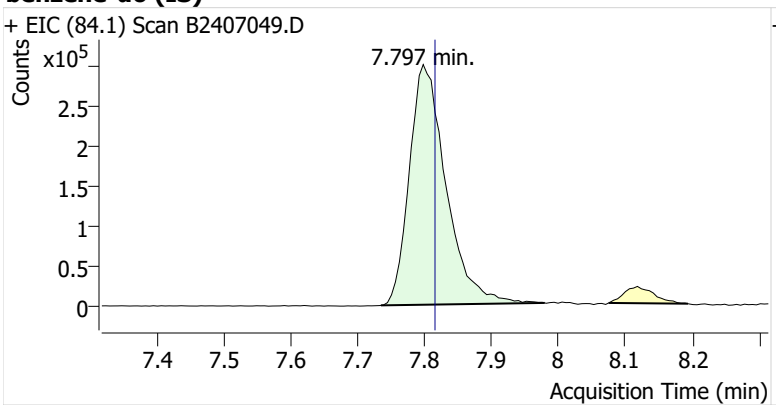
Name	CGOSP-15-S-20241203
Comment	C40140
Data File	B2407049.D
Acq. Date-Time	12/21/2024 5:15:08 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

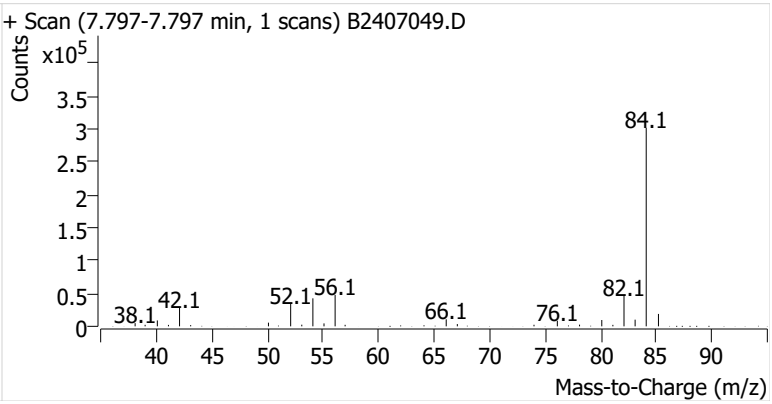
Sample Chromatogram



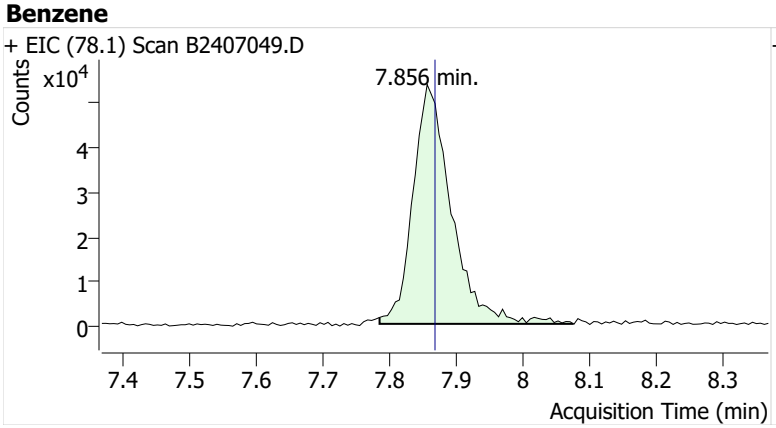
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.797	7.815	1,141,678	
Benzene	benzene-d6 (IS)	7.856	7.868	213,733	
Toluene-d8 (IS)		10.670	10.693	1,339,075	
Toluene	Toluene-d8 (IS)	10.777	10.794	518,808	
Ethylbenzene	Toluene-d8 (IS)	13.175	13.198	92,881	
m-/p-Xylenes	Toluene-d8 (IS)	13.370	13.412	197,212	
o-Xylene	Toluene-d8 (IS)	13.917	13.934	71,037	

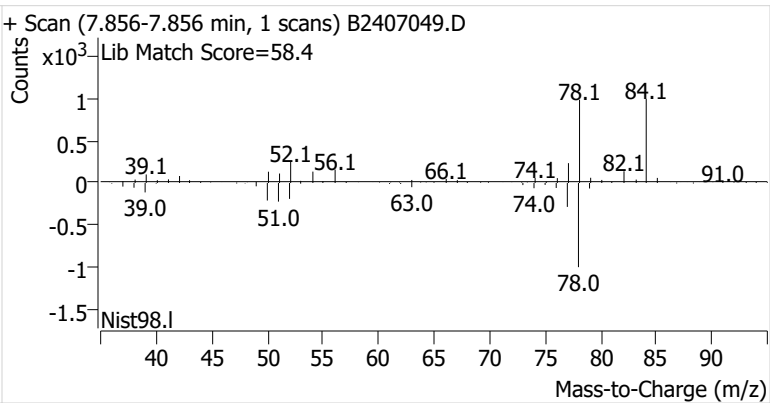
benzene-d6 (IS)



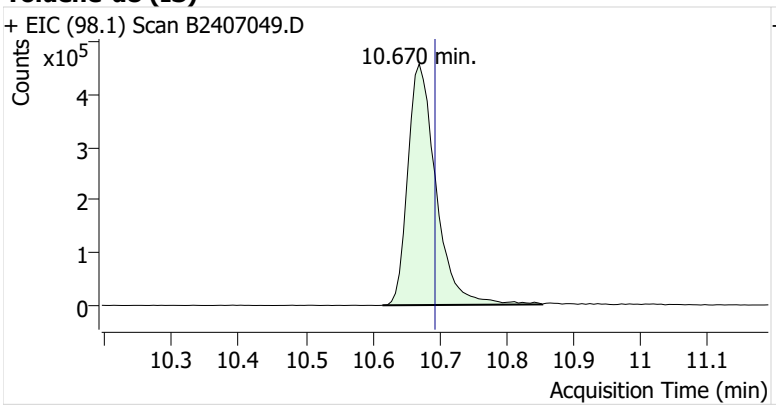


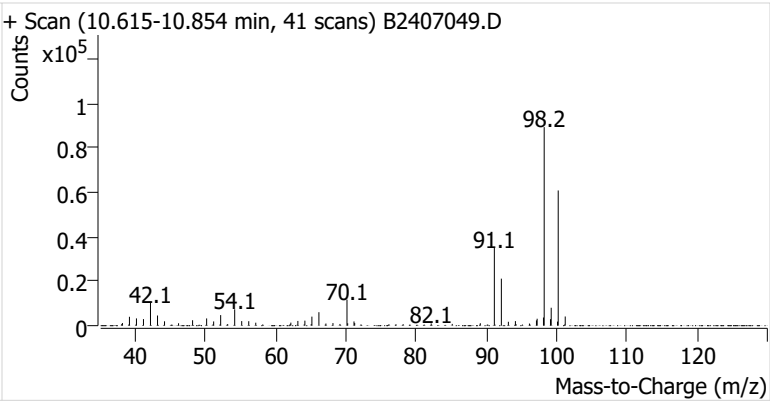
Benzene



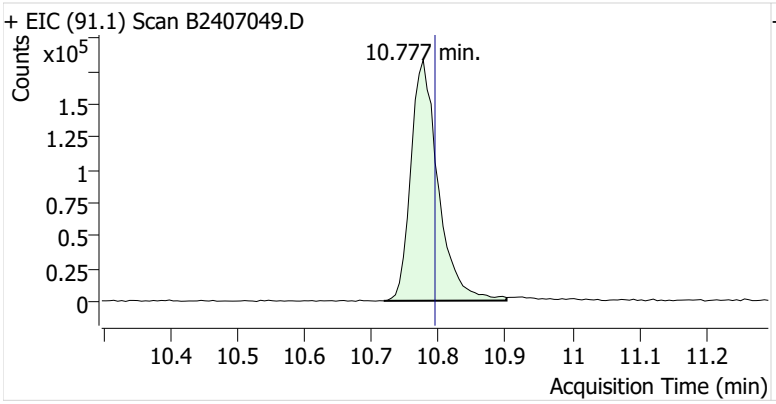


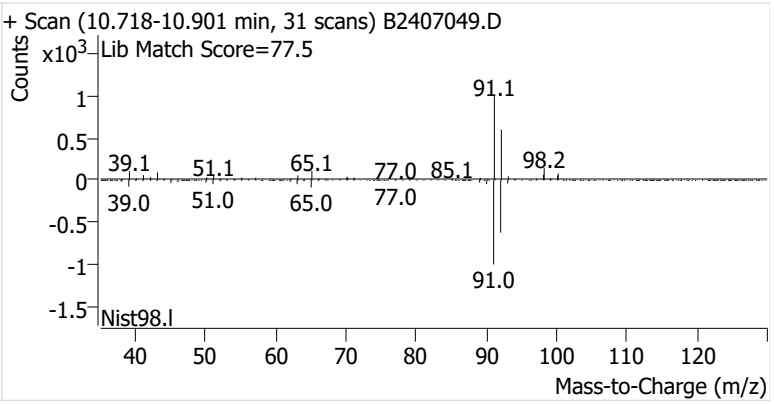
Toluene-d8 (IS)



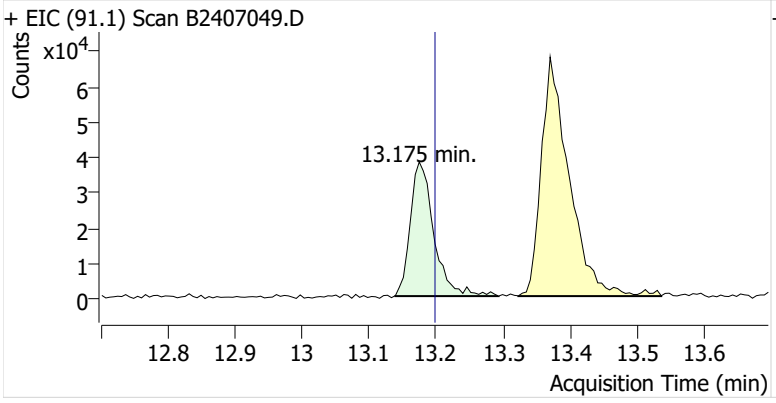


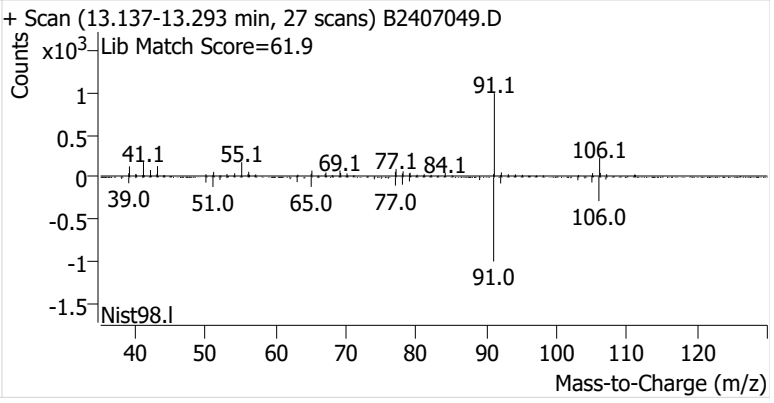
Toluene



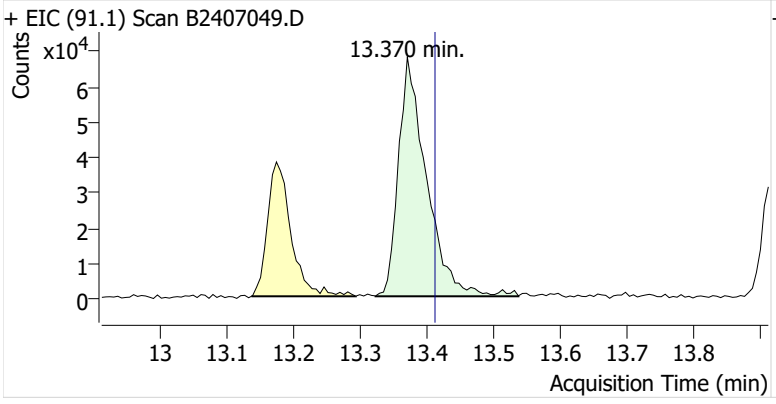


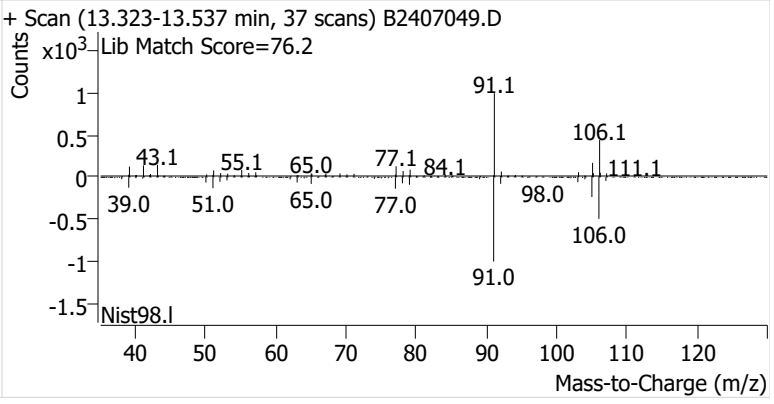
Ethylbenzene



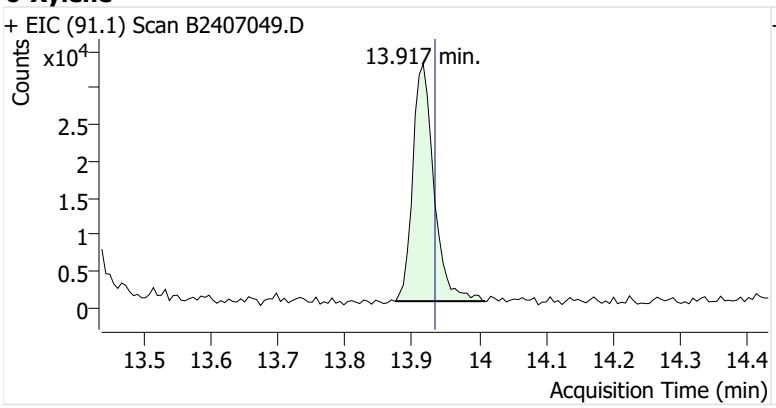


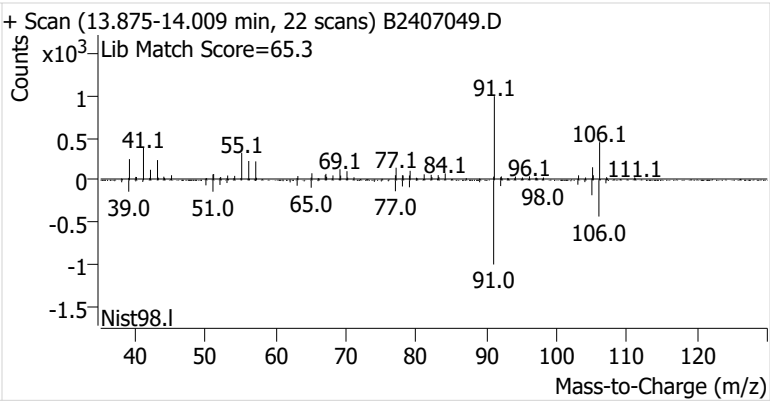
m-/p-Xylenes





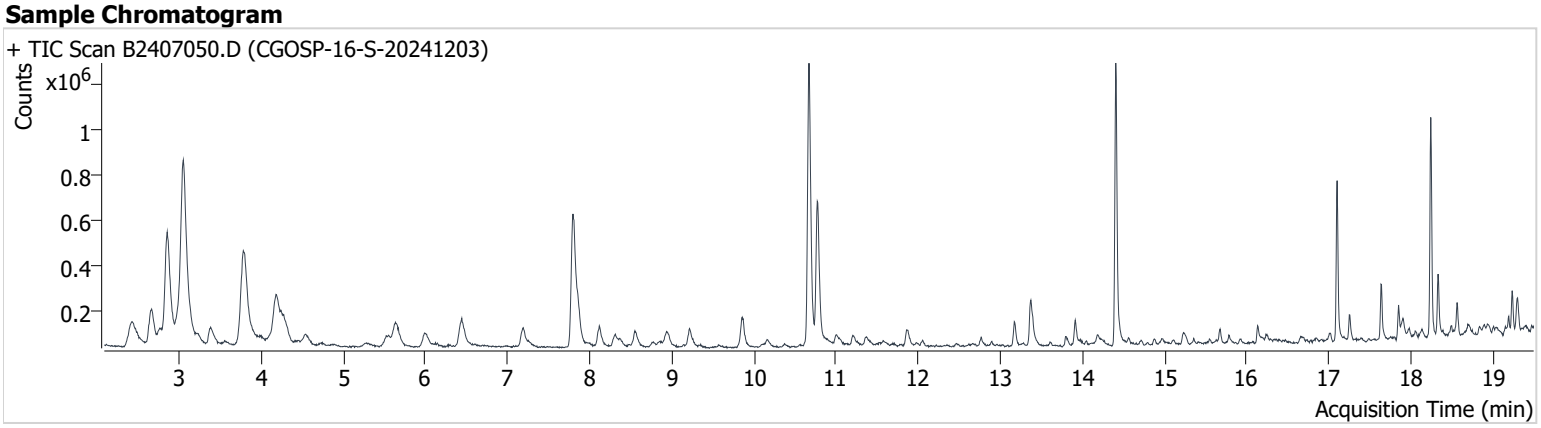
o-Xylene


+ EIC (91.1) Scan B2407049.D
Counts
x10^4
13.917 min.
2.5
2
1.5
1
0.5
0
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)


+ Scan (13.875-14.009 min, 22 scans) B2407049.D
Counts
x10^3
Lib Match Score=65.3
91.1
41.1
55.1
69.1
77.1
84.1
96.1
106.1
111.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

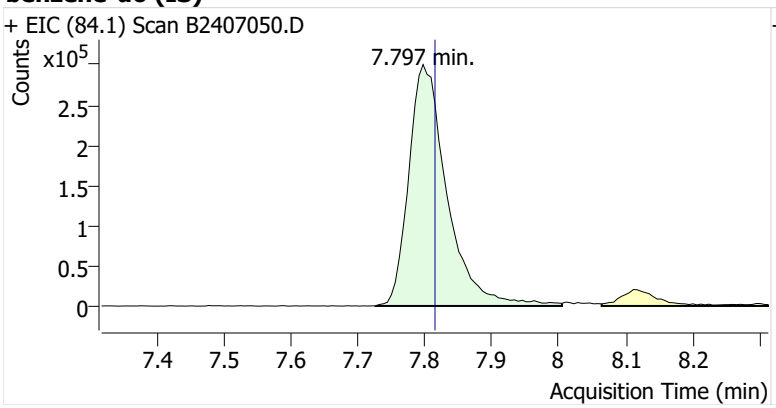
Name	CGOSP-16-S-20241203
Comment	B47176
Data File	B2407050.D
Acq. Date-Time	12/21/2024 5:52:29 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

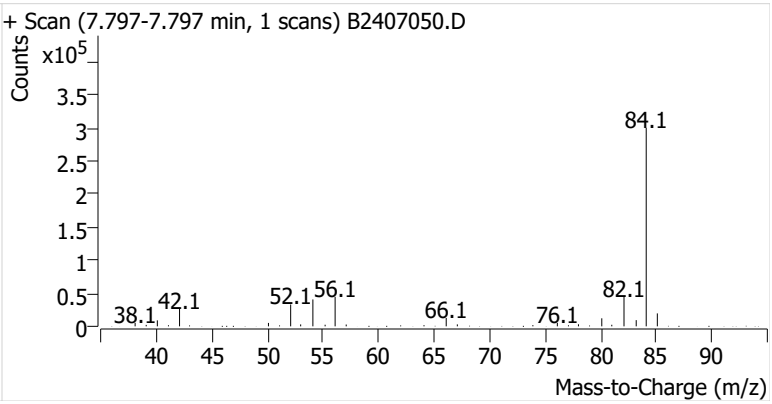
Sample Chromatogram



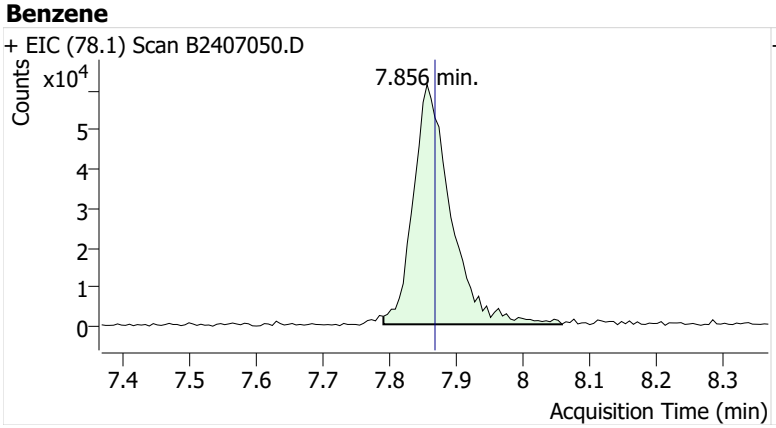
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.797	7.815	1,191,576	
Benzene	benzene-d6 (IS)	7.856	7.868	237,508	
Toluene-d8 (IS)		10.670	10.693	1,337,070	
Toluene	Toluene-d8 (IS)	10.771	10.794	740,713	
Ethylbenzene	Toluene-d8 (IS)	13.169	13.198	107,561	
m-/p-Xylenes	Toluene-d8 (IS)	13.370	13.412	225,819	
o-Xylene	Toluene-d8 (IS)	13.910	13.934	87,265	

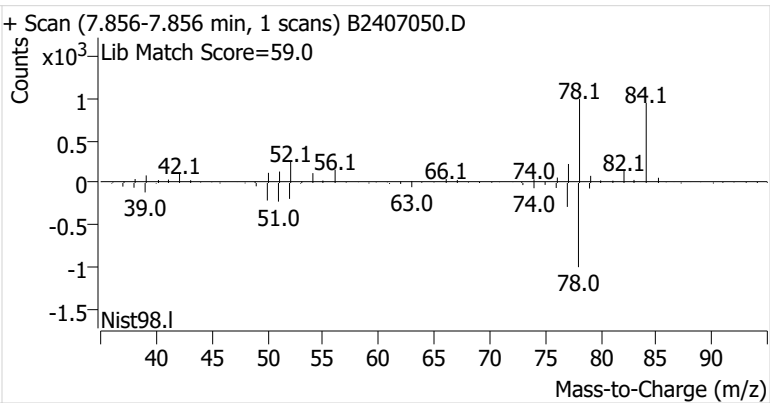
benzene-d6 (IS)



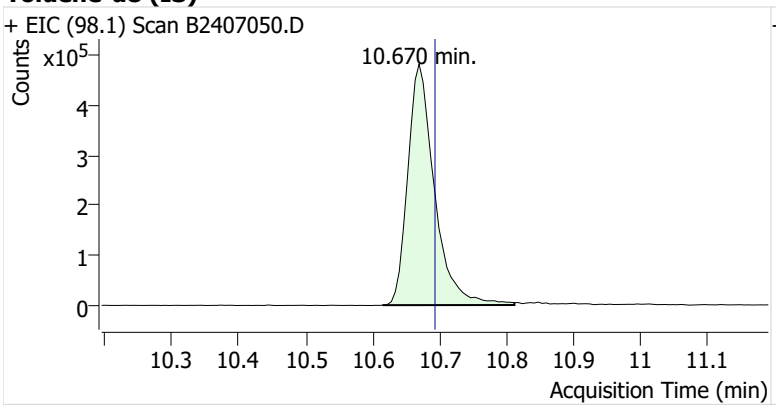


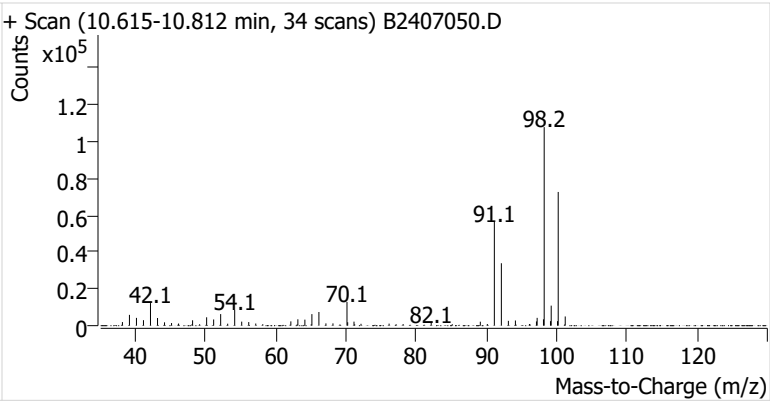
Benzene



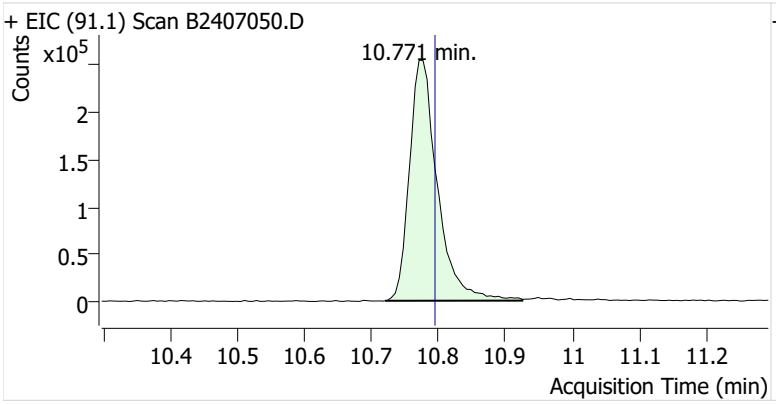


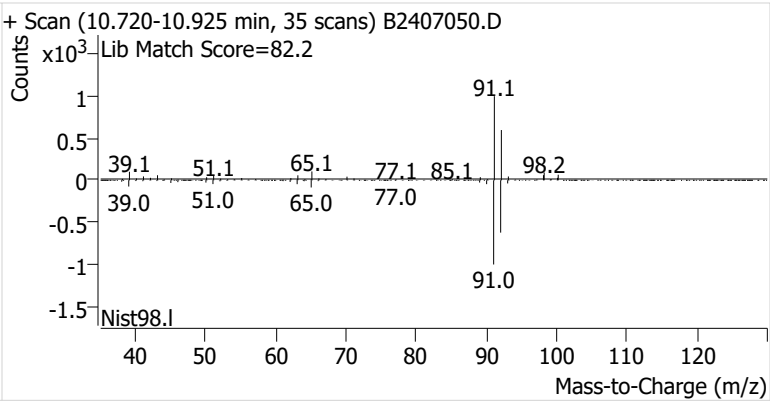
Toluene-d8 (IS)



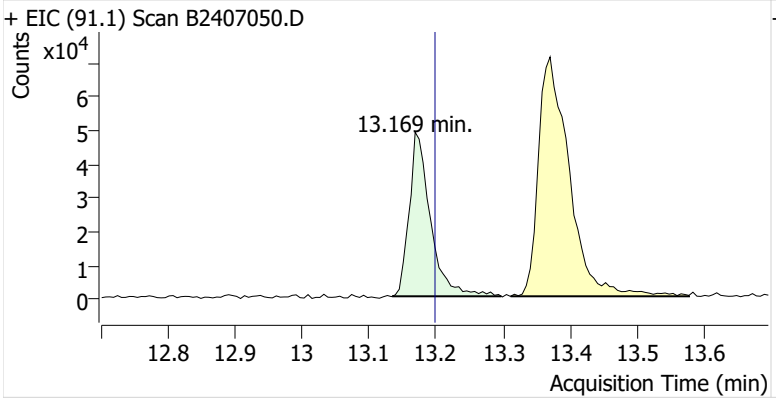


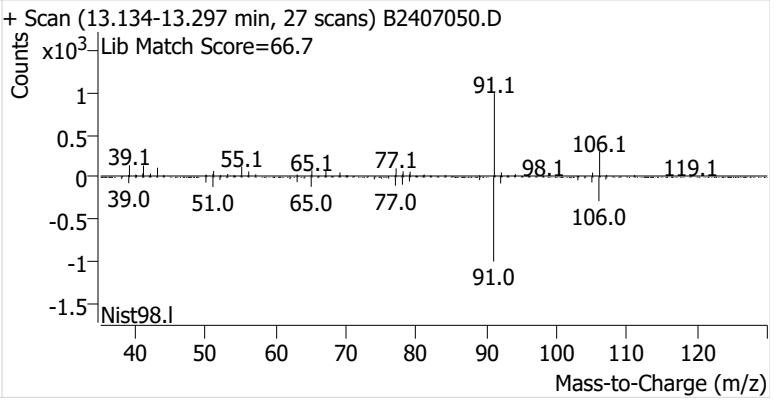
Toluene



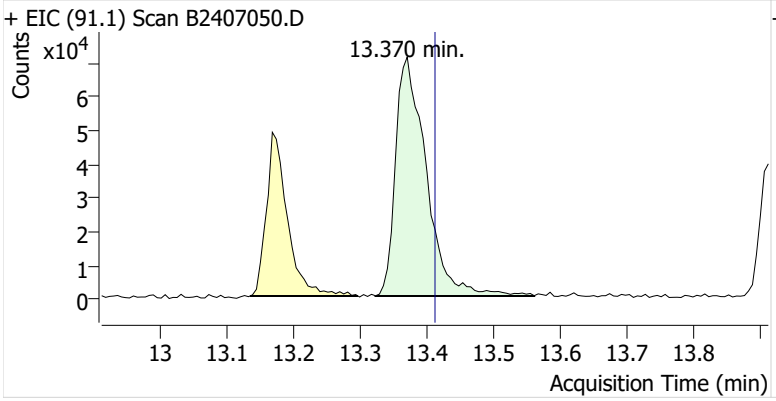


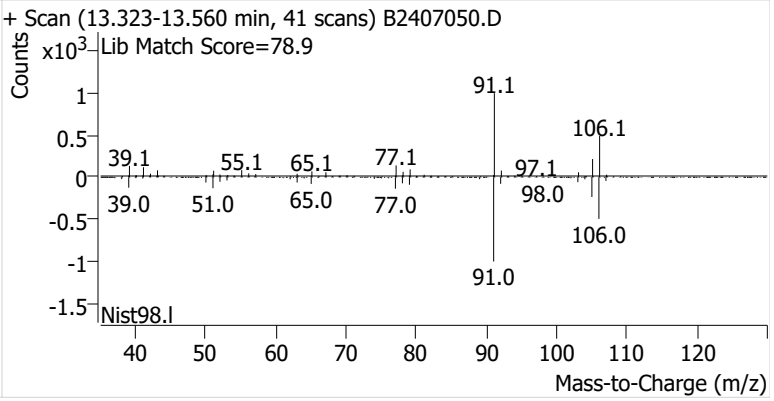
Ethylbenzene



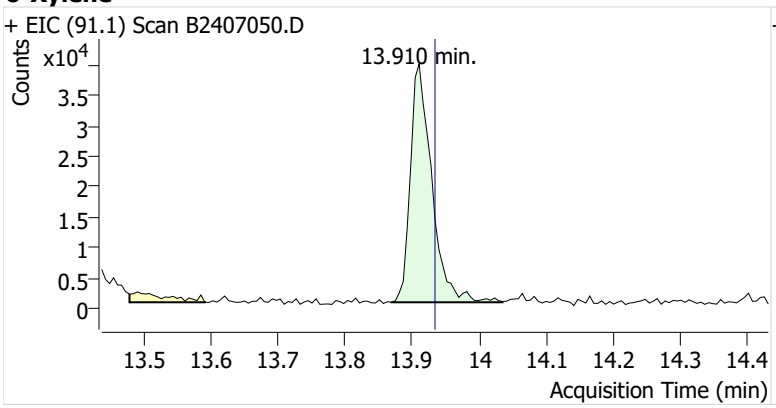


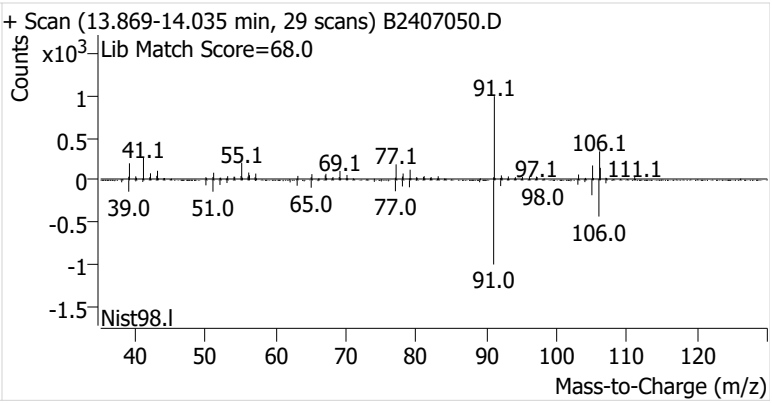
m-/p-Xylenes





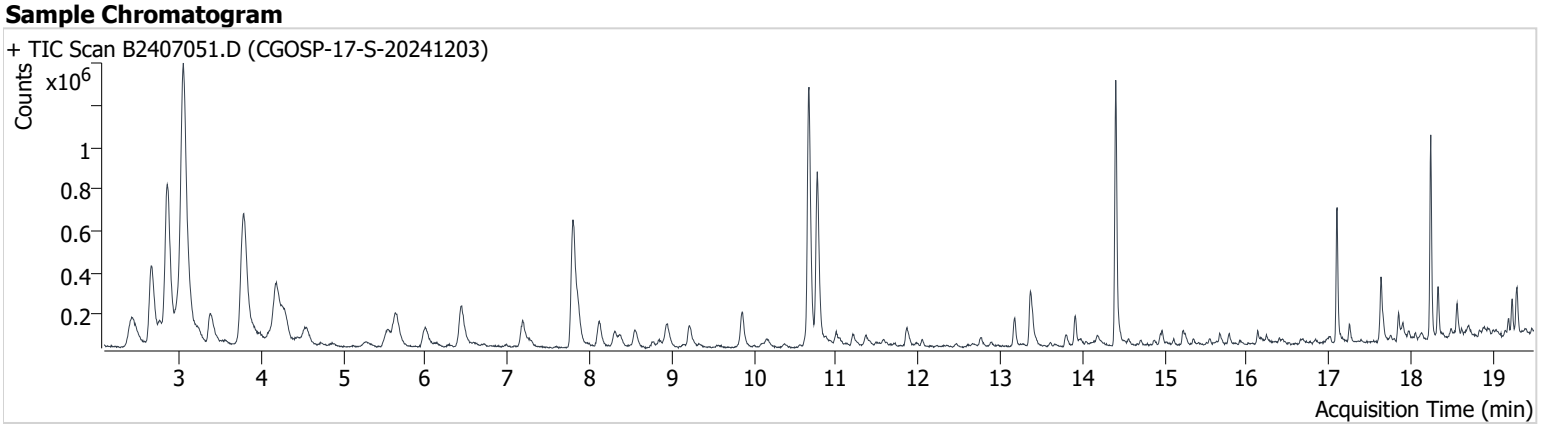
o-Xylene


+ EIC (91.1) Scan B2407050.D
Counts
x10^4
13.910 min.
3.5
3
2.5
2
1.5
1
0.5
0
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)


+ Scan (13.869-14.035 min, 29 scans) B2407050.D
Counts
x10^3
Lib Match Score=68.0
91.1
41.1
55.1
69.1
77.1
106.1
97.1
111.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

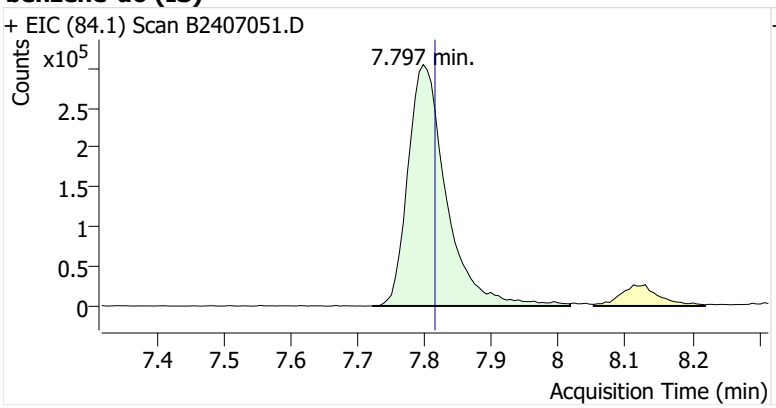
Name	CGOSP-17-S-20241203
Comment	B45066
Data File	B2407051.D
Acq. Date-Time	12/21/2024 6:29:53 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

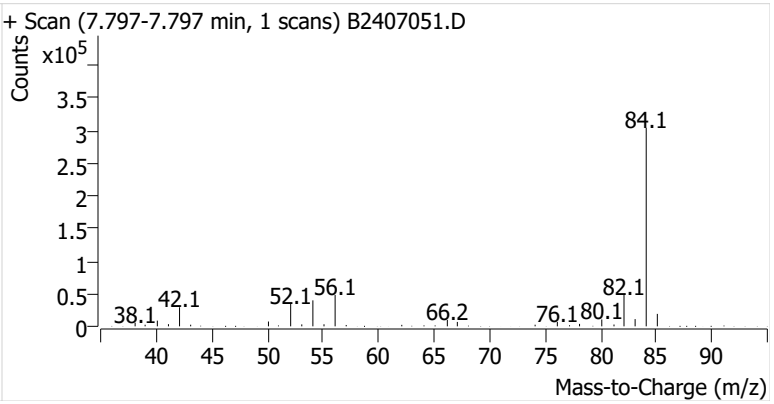
Sample Chromatogram



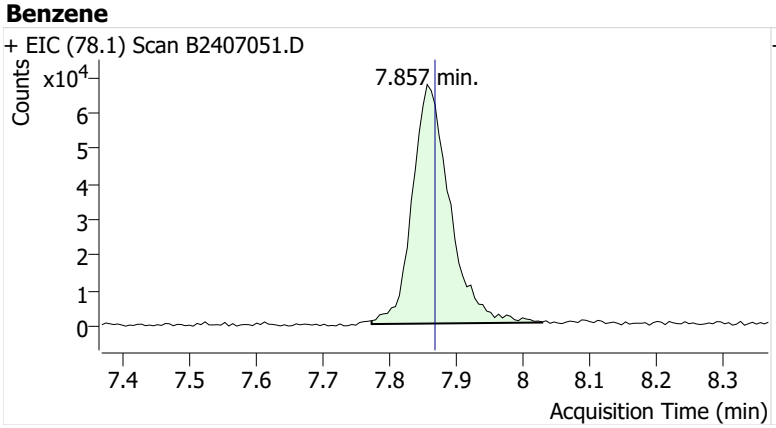
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.797	7.815	1,210,194	
Benzene	benzene-d6 (IS)	7.857	7.868	261,533	
Toluene-d8 (IS)		10.670	10.693	1,351,185	
Toluene	Toluene-d8 (IS)	10.771	10.794	938,738	
Ethylbenzene	Toluene-d8 (IS)	13.169	13.198	129,619	
m-/p-Xylenes	Toluene-d8 (IS)	13.365	13.412	283,636	
o-Xylene	Toluene-d8 (IS)	13.911	13.934	112,358	

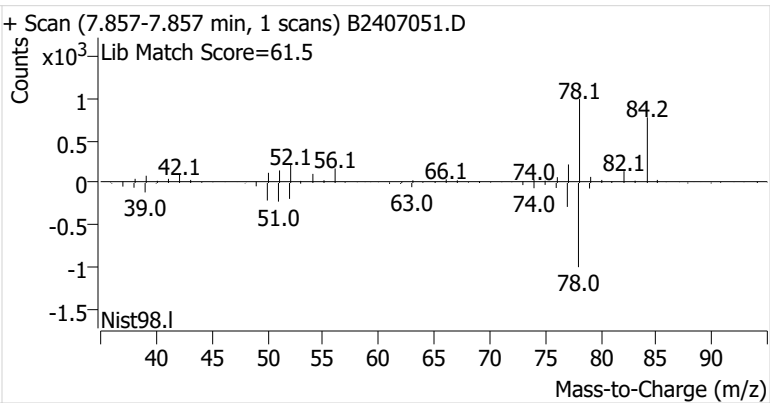
benzene-d6 (IS)



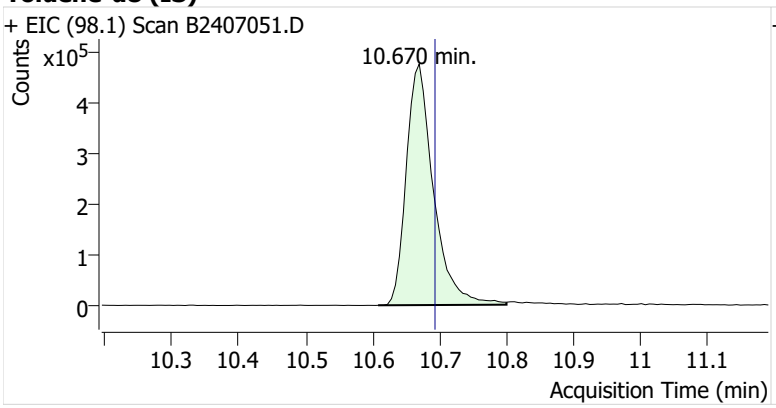


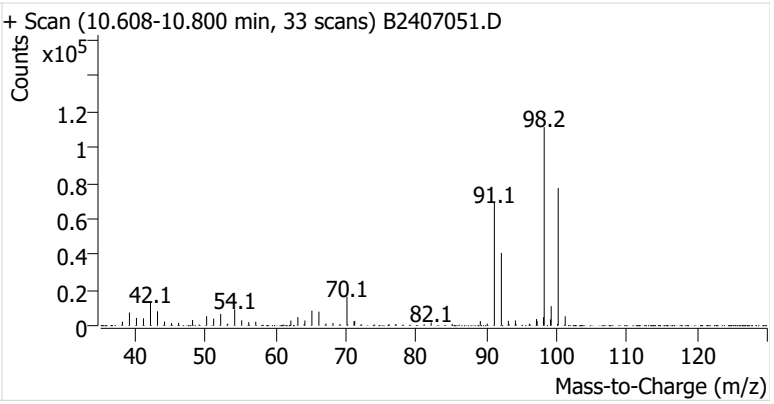
Benzene



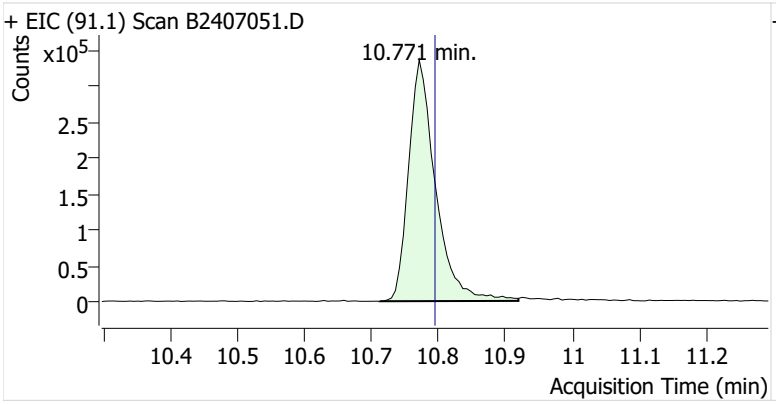


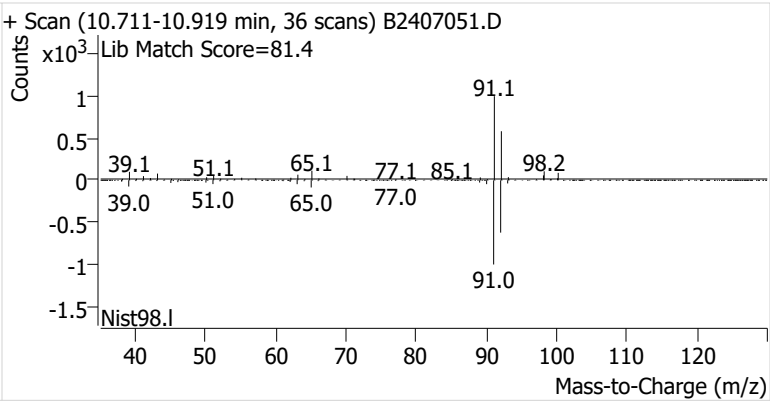
Toluene-d8 (IS)



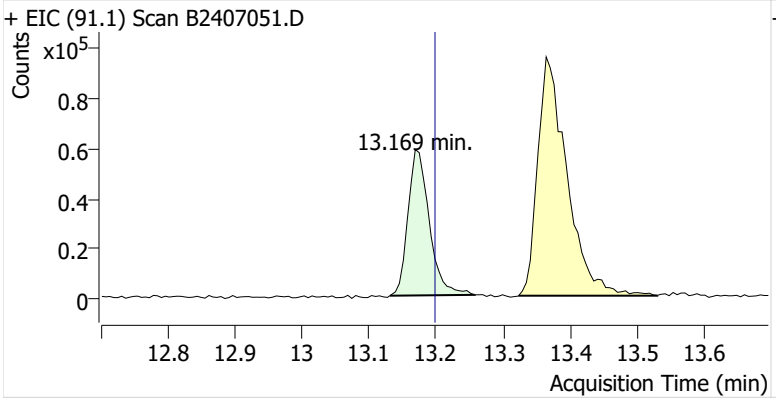


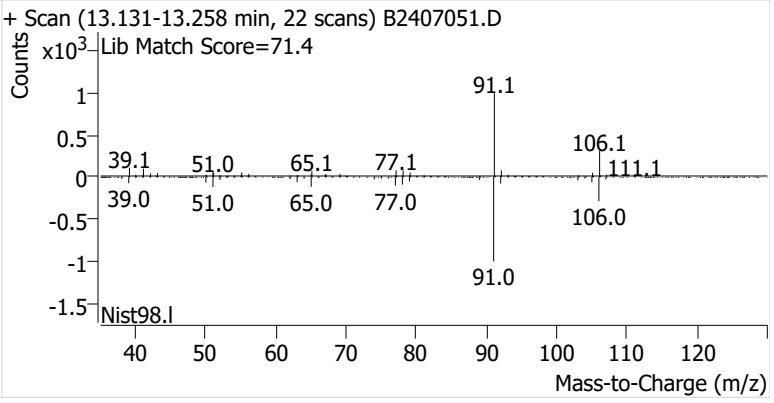
Toluene



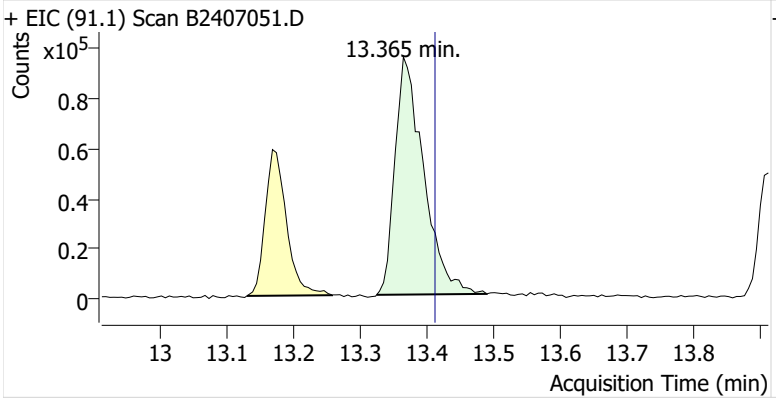


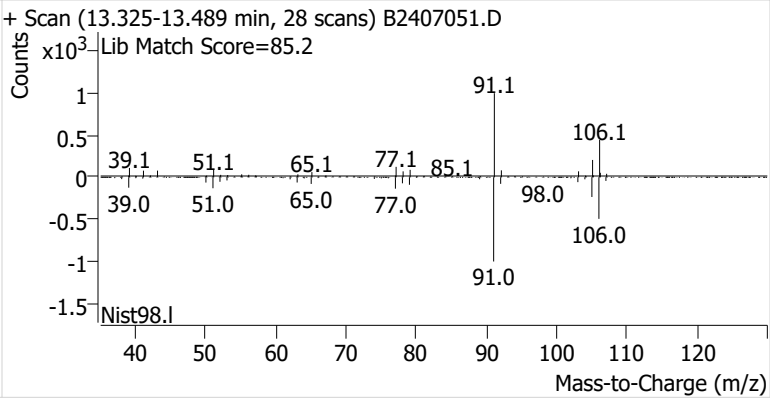
Ethylbenzene



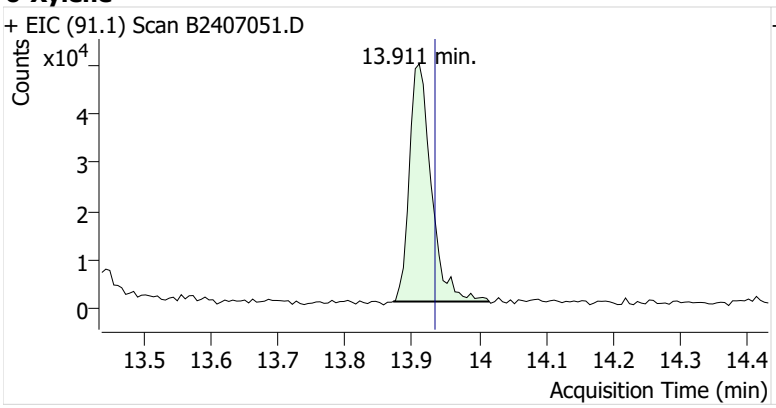


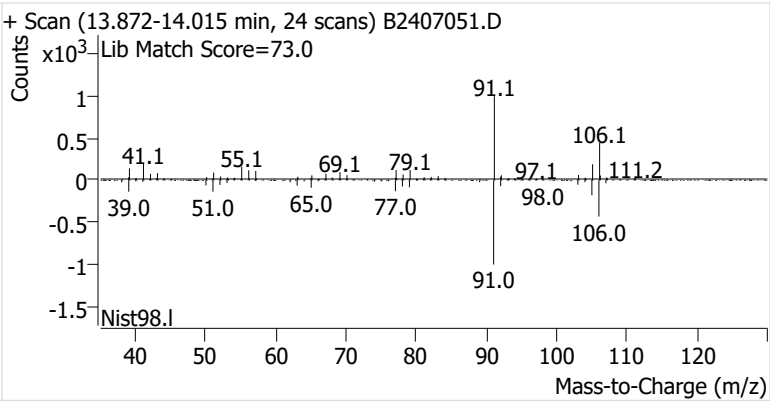
m-/p-Xylenes





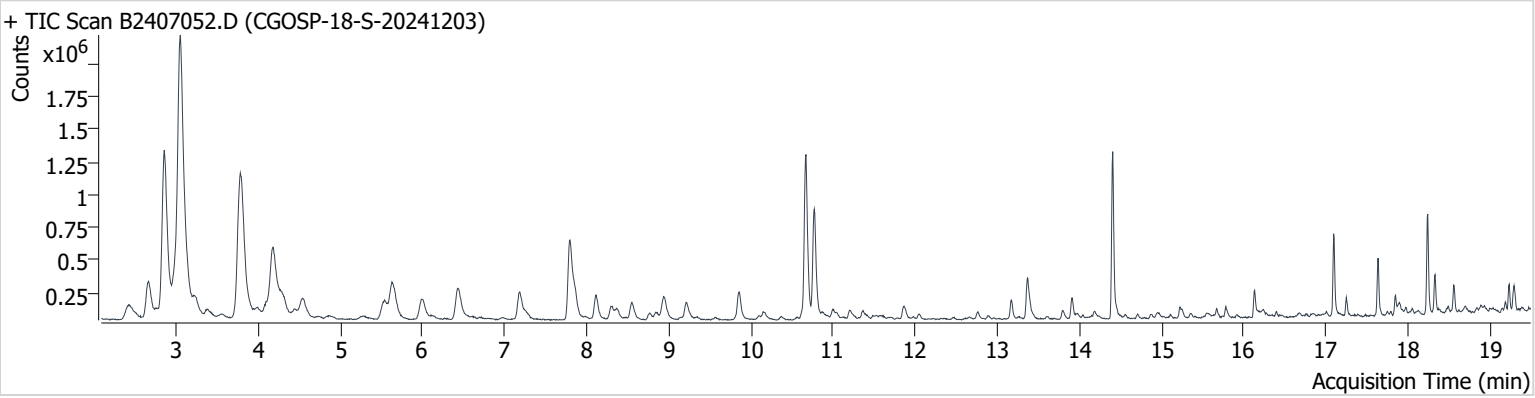
o-Xylene


+ EIC (91.1) Scan B2407051.D
Counts
x10^4
13.911 min.
Acquisition Time (min)


+ Scan (13.872-14.015 min, 24 scans) B2407051.D
Counts
x10^3
Lib Match Score=73.0
91.1
106.1
41.1
55.1
69.1
79.1
97.1
111.2
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
Mass-to-Charge (m/z)

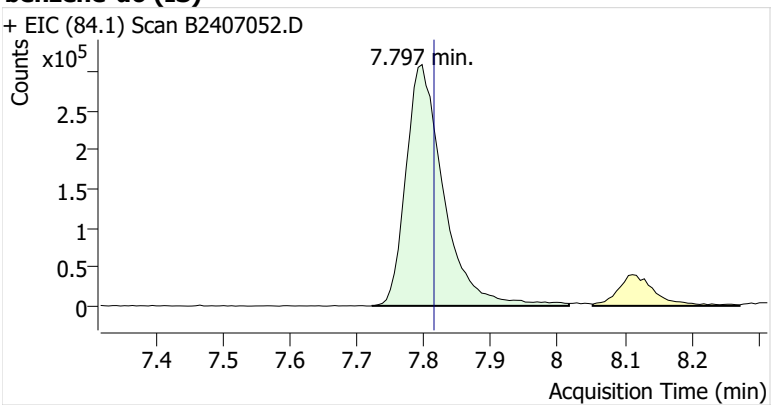
Name	CGOSP-18-S-20241203
Comment	B44191
Data File	B2407052.D
Acq. Date-Time	12/21/2024 7:07:16 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

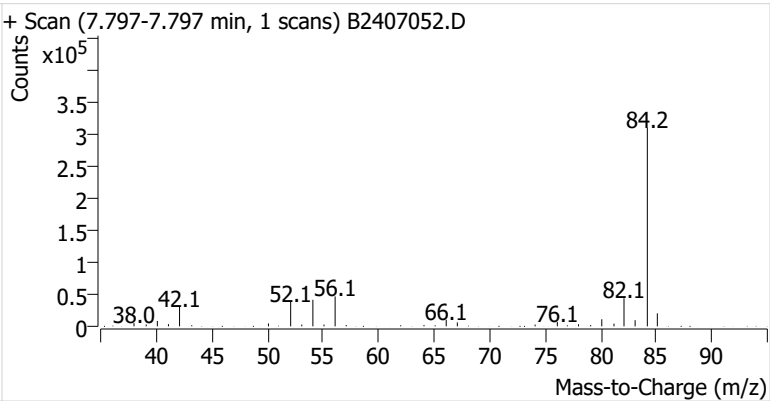
Sample Chromatogram



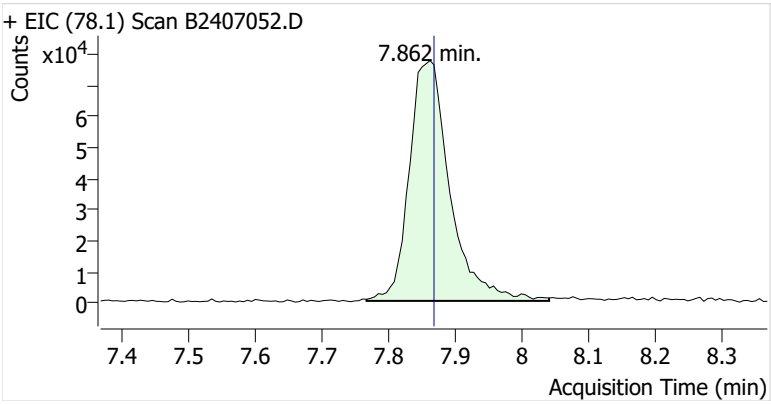
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.797	7.815	1,205,410	
Benzene	benzene-d6 (IS)	7.862	7.868	327,043	
Toluene-d8 (IS)		10.670	10.693	1,366,693	
Toluene	Toluene-d8 (IS)	10.771	10.794	939,696	
Ethylbenzene	Toluene-d8 (IS)	13.169	13.198	146,017	
m-/p-Xylenes	Toluene-d8 (IS)	13.364	13.412	340,698	
o-Xylene	Toluene-d8 (IS)	13.904	13.934	133,122	

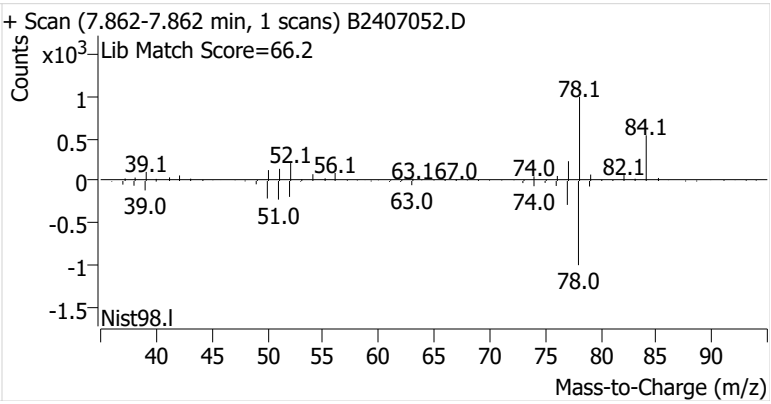
benzene-d6 (IS)



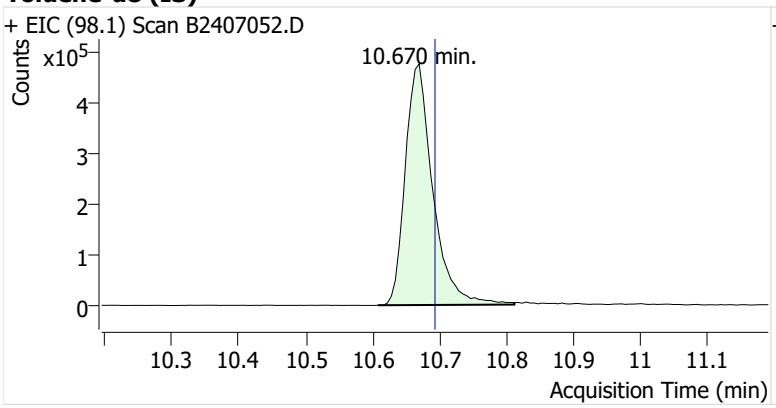


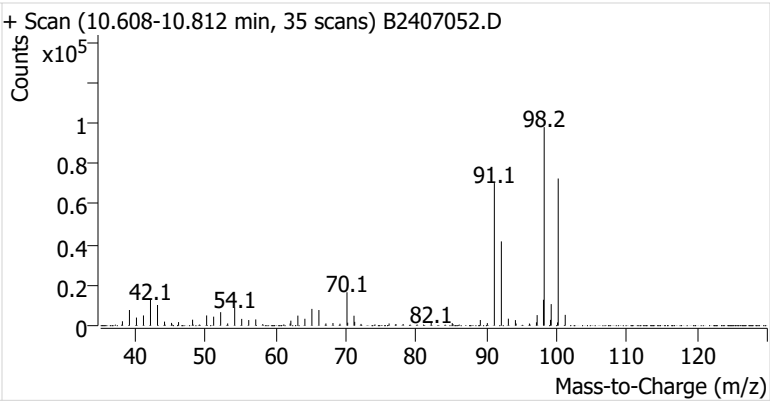
Benzene



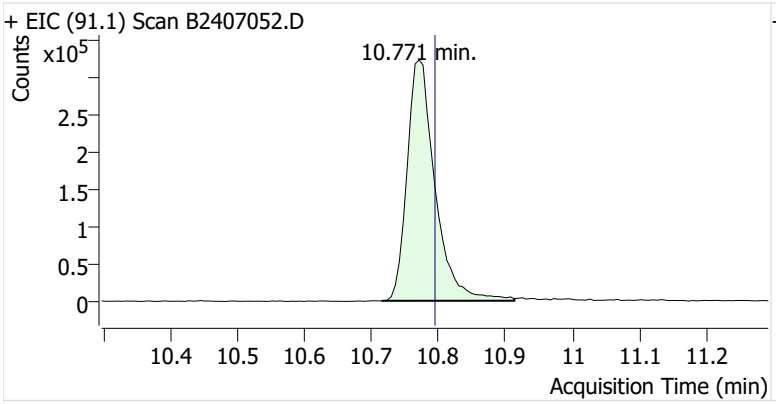


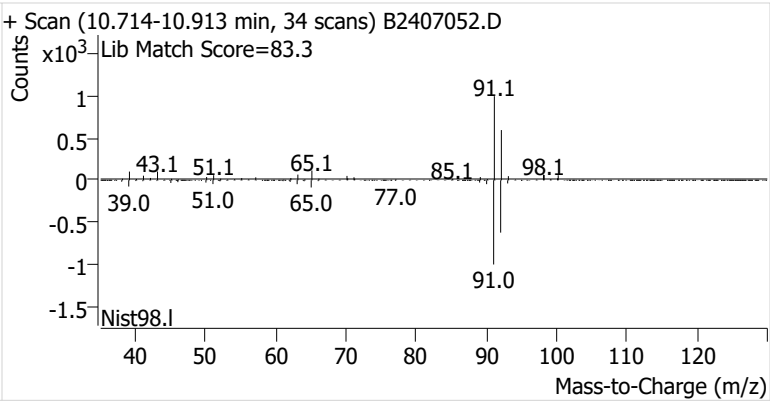
Toluene-d8 (IS)



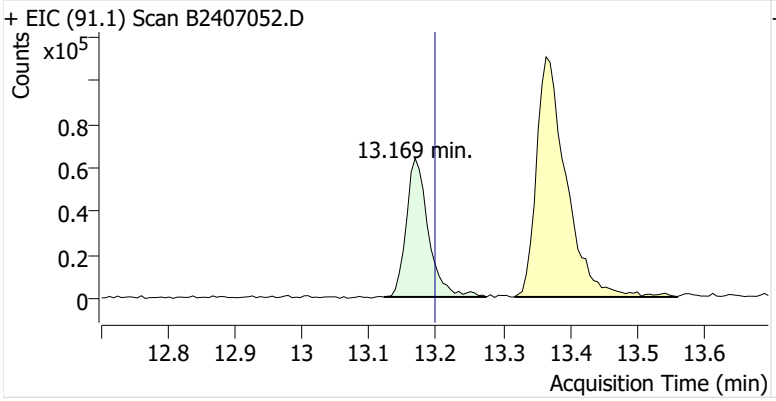


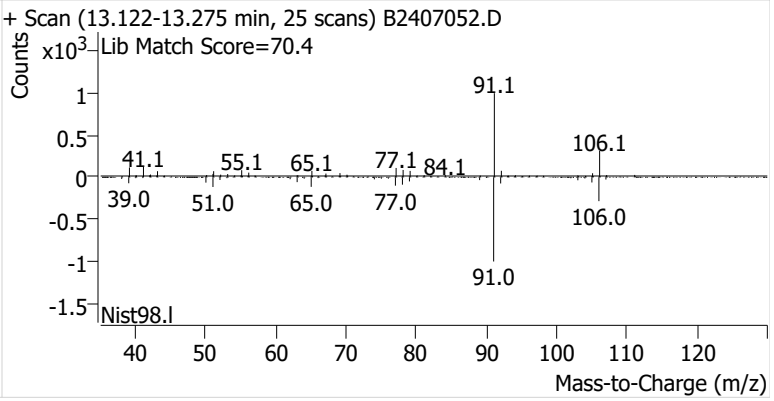
Toluene



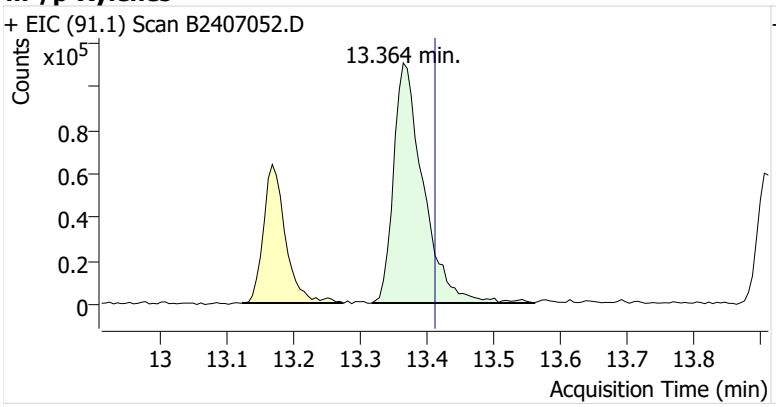


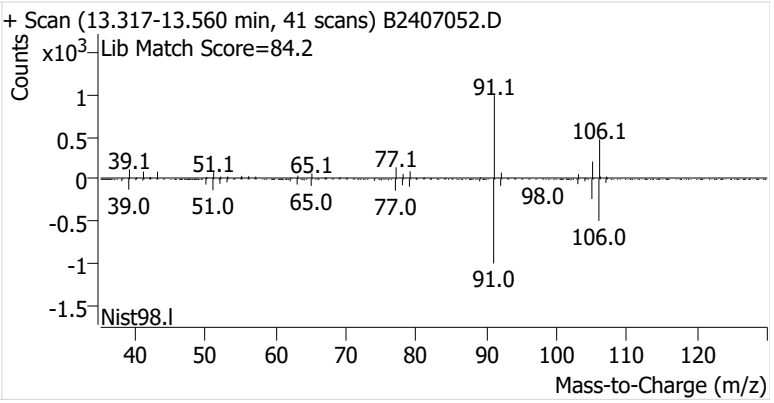
Ethylbenzene



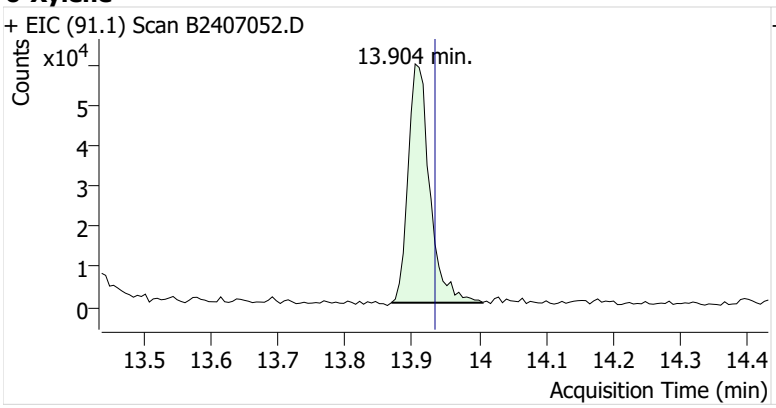


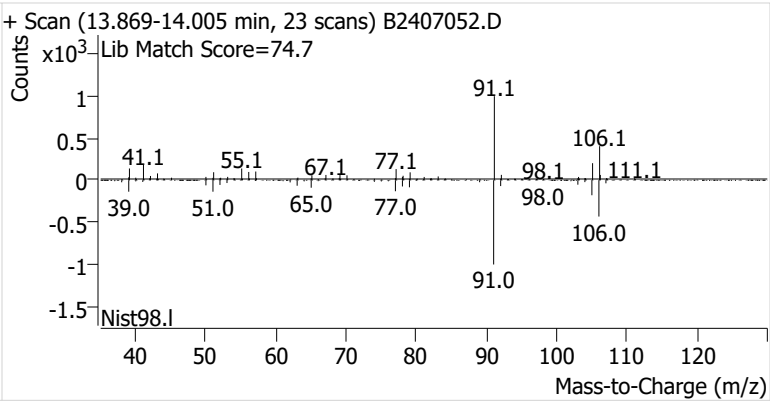
m-/p-Xylenes





o-Xylene


+ EIC (91.1) Scan B2407052.D
Counts
x10^4
13.904 min.
Acquisition Time (min)


+ Scan (13.869-14.005 min, 23 scans) B2407052.D
Counts
x10^3
Lib Match Score=74.7
91.1
106.1
41.1
55.1
67.1
77.1
98.1
111.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
Mass-to-Charge (m/z)

Calibration Summary Reports

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP406-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Benzene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	0.912	0.987	0.912	-7.6%	16%		Pass	
2024FP406 Method Blank-1	Blank		0.987	0.912			1.8%	Pass	ND
M325B CCV 5	Check	0.947	0.987	0.912	-4.0%		1.8%	Pass	
M325B CCV 5	Check	0.938	0.987	0.912	-4.9%		0.37%	Pass	

Ethylbenzene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	1.412	1.296	1.412	8.9%	19%		Pass	
2024FP406 Method Blank-1	Blank		1.296	1.412			1.7%	Pass	ND
M325B CCV 5	Check	1.254	1.296	1.412	-3.3%		0.87%	Pass	
M325B CCV 5	Check	1.190	1.296	1.412	-8.2%		1.7%	Pass	

m-/p-Xylenes Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	1.007	0.897	1.007	12%	19%		Pass	
2024FP406 Method Blank-1	Blank		0.897	1.007			1.7%	Pass	ND
M325B CCV 5	Check	0.853	0.897	1.007	-4.9%		0.87%	Pass	
M325B CCV 5	Check	0.879	0.897	1.007	-2.0%		1.7%	Pass	

o-Xylene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	1.135	1.019	1.135	11%	19%		Pass	
2024FP406 Method Blank-1	Blank		1.019	1.135			1.7%	Pass	ND
M325B CCV 5	Check	0.954	1.019	1.135	-6.4%		0.87%	Pass	
M325B CCV 5	Check	0.930	1.019	1.135	-8.7%		1.7%	Pass	

Toluene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	1.065	1.159	1.065	-8.2%	19%		Pass	
2024FP406 Method Blank-1	Blank		1.159	1.065			1.7%	Pass	ND
M325B CCV 5	Check	1.052	1.159	1.065	-9.3%		0.87%	Pass	
M325B CCV 5	Check	1.072	1.159	1.065	-7.5%		1.7%	Pass	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP406-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
B101524A_CC233829_BTEX_R2.quantmethod.xml	Benzene	1	B2405433.D	5.25	67834	92.1	1017991	1.169	18%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Benzene	2	B2405434.D	10.49	119788	92.1	1002975	1.048	6.2%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Benzene	3	B2405435.D	20.99	224542	92.1	1027453	0.959	-2.8%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Benzene	4	B2405436.D	41.98	426479	92.1	1001212	0.934	-5.3%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Benzene	5	B2405437.D	104.95	1090357	92.1	1033283	0.926	-6.2%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Benzene	6	B2405438.D	209.90	2255330	92.1	1037385	0.954	-3.4%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Benzene	7	B2405439.D	629.69	6516173	92.1	1038243	0.918	-7.0%
						Avg:	1022649	0.987	
						%RSD:	1.5%	9.3%	
B101524A_CC233829_BTEX_R2.quantmethod.xml	Ethylbenzene	1	B2405433.D	5.39	69407	108.6	1111290	1.258	-3.0%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Ethylbenzene	2	B2405434.D	10.79	148861	108.6	1123086	1.335	3.0%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Ethylbenzene	3	B2405435.D	21.57	285927	108.6	1114502	1.292	-0.35%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Ethylbenzene	4	B2405436.D	43.14	557352	108.6	1103046	1.272	-1.9%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Ethylbenzene	5	B2405437.D	107.86	1465224	108.6	1158242	1.274	-1.7%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Ethylbenzene	6	B2405438.D	215.72	3132137	108.6	1166167	1.352	4.3%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Ethylbenzene	7	B2405439.D	647.17	9229537	108.6	1199921	1.291	-0.41%
						Avg:	1139465	1.296	
						%RSD:	3.2%	2.7%	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP406-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
B101524A_CC233829_BTEX_R2.quantmethod.xml	m-/p-Xylenes	1	B2405433.D	5.43	35940	108.6	1111290	0.647	-28%
B101524A_CC233829_BTEX_R2.quantmethod.xml	m-/p-Xylenes	2	B2405434.D	10.86	100559	108.6	1123086	0.896	-0.11%
B101524A_CC233829_BTEX_R2.quantmethod.xml	m-/p-Xylenes	3	B2405435.D	21.71	229053	108.6	1114502	1.028	15%
B101524A_CC233829_BTEX_R2.quantmethod.xml	m-/p-Xylenes	4	B2405436.D	43.43	383206	108.6	1103046	0.869	-3.1%
B101524A_CC233829_BTEX_R2.quantmethod.xml	m-/p-Xylenes	5	B2405437.D	108.57	1008714	108.6	1158242	0.871	-2.8%
B101524A_CC233829_BTEX_R2.quantmethod.xml	m-/p-Xylenes	6	B2405438.D	217.14	2286065	108.6	1166167	0.981	9.3%
B101524A_CC233829_BTEX_R2.quantmethod.xml	m-/p-Xylenes	7	B2405439.D	651.41	7093172	108.6	1199921	0.986	9.9%
						Avg:	1139465	0.897	
						%RSD:	3.2%	14%	
B101524A_CC233829_BTEX_R2.quantmethod.xml	o-Xylene	1	B2405433.D	5.46	44125	108.6	1111290	0.790	-22%
B101524A_CC233829_BTEX_R2.quantmethod.xml	o-Xylene	2	B2405434.D	10.92	115078	108.6	1123086	1.020	0.093%
B101524A_CC233829_BTEX_R2.quantmethod.xml	o-Xylene	3	B2405435.D	21.83	243713	108.6	1114502	1.088	6.8%
B101524A_CC233829_BTEX_R2.quantmethod.xml	o-Xylene	4	B2405436.D	43.67	464539	108.6	1103046	1.048	2.8%
B101524A_CC233829_BTEX_R2.quantmethod.xml	o-Xylene	5	B2405437.D	109.16	1171419	108.6	1158242	1.006	-1.2%
B101524A_CC233829_BTEX_R2.quantmethod.xml	o-Xylene	6	B2405438.D	218.33	2563847	108.6	1166167	1.094	7.4%
B101524A_CC233829_BTEX_R2.quantmethod.xml	o-Xylene	7	B2405439.D	654.98	7849647	108.6	1199921	1.085	6.5%
						Avg:	1139465	1.019	
						%RSD:	3.2%	10%	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP406-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
B101524A_CC233829_BTEX_R2.quantmethod.xml	Toluene	1	B2405433.D	5.45	72719	108.6	1111290	1.304	13%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Toluene	2	B2405434.D	10.90	135719	108.6	1123086	1.204	3.9%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Toluene	3	B2405435.D	21.80	262769	108.6	1114502	1.175	1.3%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Toluene	4	B2405436.D	43.60	514657	108.6	1103046	1.162	0.28%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Toluene	5	B2405437.D	108.99	1244129	108.6	1158242	1.071	-7.7%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Toluene	6	B2405438.D	217.98	2631364	108.6	1166167	1.124	-3.0%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Toluene	7	B2405439.D	653.93	7759895	108.6	1199921	1.074	-7.3%
						Avg:	1139465	1.159	
						%RSD:	3.2%	7.0%	
B101524A_CC233829_BTEX_R2.quantmethod.xml	Benzene	ICV	B2405440.D	64.23	635831	92.1	1007443	0.905	-8.3%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Ethylbenzene	ICV	B2405440.D	86.24	1135339	108.6	1205392	1.186	-8.5%
B101524A_CC233829_BTEX_R2.quantmethod.xml	m-/p-Xylenes	ICV	B2405440.D	89.77	920735	108.6	1205392	0.924	3.1%
B101524A_CC233829_BTEX_R2.quantmethod.xml	o-Xylene	ICV	B2405440.D	88.36	934049	108.6	1205392	0.953	-6.5%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Toluene	ICV	B2405440.D	76.61	843616	108.6	1205392	0.992	-14%

This Is The Last Page Of This Report.

ENTHALPY ANALYTICAL

CITGO – South Portland Terminal

102 Mechanic St.
South Portland, ME 04106

Sampling Event 17

PROJ-031602

Analytical Report (2024FP407)

EPA Method 325B

Benzene, Toluene, Ethylbenzene, m-/p-Xylenes, o-Xylene

Report Submitted By:
Montrose Air Quality Services LLC – Pine Brook, NJ

Enthalpy Analytical, LLC
Phone: (919) 850 - 4392 / Fax: (919) 850 - 9012 / www.enthalpy.com
800-1 Capitola Drive, Durham, NC 27713

I certify that to the best of my knowledge all analytical data presented in this report:

- Have been checked for completeness
- Are accurate, error-free, and legible
- Have been conducted in accordance with approved protocol, and that all deviations and analytical problems are summarized in the appropriate narrative(s)

This analytical report was prepared in Portable Document Format (.PDF). This report shall not be reproduced except in full without approval of the laboratory. This will provide assurance that parts of a report are not taken out of context.



QA Review Performed by
Eneko Etxauri Otegi
QA Associate I

Report Issued: 01/15/2025

ENTHALPY
ANALYTICAL

Summary of Results

ENTHALPY ANALYTICAL

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP407-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Summary

Sample Code	Tube ID	Benzene (ug/m³)	Flag	Ethylbenzene (ug/m³)	Flag	m-/p-Xylenes (ug/m³)	Flag	o-Xylene (ug/m³)	Flag	Toluene (ug/m³)	Flag
CGOSP-1-S-20241217	B14152	1.42		9.85	P	44.8	P	15.6	P	4.89	
CGOSP-2-S-20241217	C43867	1.20		9.21	P	43.3	P	14.8	P	3.31	
CGOSP-3-S-20241217	C00606	1.44		6.84	P	31.6	P	11.6	P	3.70	
CGOSP-3-D-20241217	C40522	1.48		1.21	P	5.00	P	1.81	P	4.82	
CGOSP-3-B-20241217	B43840		ND		ND,P		ND,P		ND,P		ND
CGOSP-4-S-20241217	C35709	1.57		2.10	P	9.52	P	3.51	P	5.79	
CGOSP-5-S-20241217	B32917	1.84		4.97	P	22.5	P	8.85	P	6.89	
CGOSP-6-S-20241217	B15116	1.90		2.47	P	10.3	P	3.72	P	7.11	
CGOSP-7-S-20241217	B52914	2.00		9.45	P	43.8	P	16.3	P	6.41	
CGOSP-8-S-20241217	C39190	2.13		5.32	P	25.2	P	10.0	P	7.09	
CGOSP-9-S-20241217	C40630	2.64		9.76	P	46.9	P	17.3	P	11.5	
CGOSP-9-D-20241217	B50908	2.60		8.03	P	36.9	P	13.5	P	10.4	
CGOSP-9-B-20241217	C38864		ND		ND,P		ND,P		ND,P	0.338	J
CGOSP-10-S-20241217	C36864	2.12		4.66	P	20.5	P	8.29	P	8.17	
CGOSP-11-S-20241217	C53569	1.67		1.90	P	7.98	P	3.04	P	5.40	
CGOSP-12-S-20241217	B37405	1.75		1.91	P	7.15	P	2.49	P	6.37	
CGOSP-13-S-20241217	C01321	1.69		5.56	P	25.9	P	9.41	P	6.19	
CGOSP-14-S-20241217	B37340	1.50		5.77	P	26.5	P	10.5	P	4.85	
CGOSP-15-S-20241217	B16383	1.41		8.97	P	35.1	P	12.1	P	4.58	
CGOSP-16-S-20241217	C27866	1.41		7.78	P	39.8	P	15.1	P	3.62	
CGOSP-17-S-20241217	C53597	1.30		2.04	P	9.28	P	3.24	P	3.66	
CGOSP-18-S-20241217	B46335	1.60		2.29	P	9.13	P	3.21	P	5.34	

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit
ND: The analyte was not present above the Method Detection Limit
P: Field duplicate(s) exceed 30%RPD

Results

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP407-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Benzene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
CGOSP-1-S-20241217	B14152	1.42	0.446	18.3	29.0	0.639	20,120	0.194	0.387	0.0609	0.121	
CGOSP-2-S-20241217	C43867	1.20	0.375	15.4	29.0	0.639	20,120	0.194	0.387	0.0609	0.121	
CGOSP-3-S-20241217	C00606	1.44	0.451	18.5	29.0	0.639	20,115	0.194	0.388	0.0609	0.121	
CGOSP-3-D-20241217	C40522	1.48	0.463	19.0	29.0	0.639	20,115	0.194	0.388	0.0609	0.121	
CGOSP-3-B-20241217	B43840				29.0	0.639	20,115	0.194	0.388	0.0609	0.121	ND
CGOSP-4-S-20241217	C35709	1.57	0.493	20.2	29.0	0.639	20,115	0.194	0.388	0.0609	0.121	
CGOSP-5-S-20241217	B32917	1.84	0.578	23.7	29.0	0.639	20,120	0.194	0.387	0.0609	0.121	
CGOSP-6-S-20241217	B15116	1.90	0.594	24.4	29.0	0.639	20,120	0.194	0.387	0.0609	0.121	
CGOSP-7-S-20241217	B52914	2.00	0.626	25.7	29.0	0.639	20,125	0.194	0.387	0.0609	0.121	
CGOSP-8-S-20241217	C39190	2.13	0.668	27.4	29.0	0.639	20,130	0.194	0.387	0.0608	0.121	
CGOSP-9-S-20241217	C40630	2.64	0.826	33.9	29.0	0.639	20,130	0.194	0.387	0.0608	0.121	
CGOSP-9-D-20241217	B50908	2.60	0.814	33.4	29.0	0.639	20,130	0.194	0.387	0.0608	0.121	
CGOSP-9-B-20241217	C38864				29.0	0.639	20,130	0.194	0.387	0.0608	0.121	ND
CGOSP-10-S-20241217	C36864	2.12	0.665	27.3	29.0	0.639	20,135	0.194	0.387	0.0608	0.121	
CGOSP-11-S-20241217	C53569	1.67	0.524	21.5	29.0	0.639	20,135	0.194	0.387	0.0608	0.121	
CGOSP-12-S-20241217	B37405	1.75	0.547	22.5	29.0	0.639	20,135	0.194	0.387	0.0608	0.121	
CGOSP-13-S-20241217	C01321	1.69	0.529	21.7	29.0	0.639	20,140	0.194	0.387	0.0608	0.121	
CGOSP-14-S-20241217	B37340	1.50	0.469	19.3	29.0	0.639	20,140	0.194	0.387	0.0608	0.121	
CGOSP-15-S-20241217	B16383	1.41	0.443	18.2	28.9	0.639	20,140	0.194	0.387	0.0608	0.121	
CGOSP-16-S-20241217	C27866	1.41	0.442	18.2	28.9	0.639	20,145	0.194	0.387	0.0608	0.121	
CGOSP-17-S-20241217	C53597	1.30	0.409	16.8	28.9	0.639	20,145	0.194	0.387	0.0608	0.121	
CGOSP-18-S-20241217	B46335	1.60	0.500	20.6	28.9	0.639	20,150	0.194	0.387	0.0608	0.121	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP407-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Ethylbenzene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
CGOSP-1-S-20241217	B14152	9.85	2.27	87.0	29.0	0.439	20,120	0.283	0.587	0.0652	0.135	P
CGOSP-2-S-20241217	C43867	9.21	2.12	81.3	29.0	0.439	20,120	0.283	0.587	0.0652	0.135	P
CGOSP-3-S-20241217	C00606	6.84	1.58	60.4	29.0	0.439	20,115	0.283	0.587	0.0653	0.135	P
CGOSP-3-D-20241217	C40522	1.21	0.280	10.7	29.0	0.439	20,115	0.283	0.587	0.0653	0.135	P
CGOSP-3-B-20241217	B43840				29.0	0.439	20,115	0.283	0.587	0.0653	0.135	ND,P
CGOSP-4-S-20241217	C35709	2.10	0.483	18.5	29.0	0.439	20,115	0.283	0.587	0.0653	0.135	P
CGOSP-5-S-20241217	B32917	4.97	1.15	43.9	29.0	0.439	20,120	0.283	0.587	0.0652	0.135	P
CGOSP-6-S-20241217	B15116	2.47	0.570	21.8	29.0	0.439	20,120	0.283	0.587	0.0652	0.135	P
CGOSP-7-S-20241217	B52914	9.45	2.18	83.5	29.0	0.439	20,125	0.283	0.586	0.0652	0.135	P
CGOSP-8-S-20241217	C39190	5.32	1.23	47.0	29.0	0.439	20,130	0.283	0.586	0.0652	0.135	P
CGOSP-9-S-20241217	C40630	9.76	2.25	86.3	29.0	0.439	20,130	0.283	0.586	0.0652	0.135	P
CGOSP-9-D-20241217	B50908	8.03	1.85	70.9	29.0	0.439	20,130	0.283	0.586	0.0652	0.135	P
CGOSP-9-B-20241217	C38864				29.0	0.439	20,130	0.283	0.586	0.0652	0.135	ND,P
CGOSP-10-S-20241217	C36864	4.66	1.07	41.2	29.0	0.439	20,135	0.283	0.586	0.0652	0.135	P
CGOSP-11-S-20241217	C53569	1.90	0.437	16.8	29.0	0.439	20,135	0.283	0.586	0.0652	0.135	P
CGOSP-12-S-20241217	B37405	1.91	0.440	16.9	29.0	0.439	20,135	0.283	0.586	0.0652	0.135	P
CGOSP-13-S-20241217	C01321	5.56	1.28	49.1	29.0	0.439	20,140	0.283	0.586	0.0652	0.135	P
CGOSP-14-S-20241217	B37340	5.77	1.33	51.0	29.0	0.439	20,140	0.283	0.586	0.0652	0.135	P
CGOSP-15-S-20241217	B16383	8.97	2.07	79.3	28.9	0.439	20,140	0.283	0.586	0.0652	0.135	P
CGOSP-16-S-20241217	C27866	7.78	1.79	68.8	28.9	0.439	20,145	0.283	0.586	0.0652	0.135	P
CGOSP-17-S-20241217	C53597	2.04	0.470	18.0	28.9	0.439	20,145	0.283	0.586	0.0652	0.135	P
CGOSP-18-S-20241217	B46335	2.29	0.529	20.3	28.9	0.439	20,150	0.283	0.586	0.0651	0.135	P

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP407-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

m-/p-Xylenes

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
CGOSP-1-S-20241217	B14152	44.8	10.3	396	29.0	0.439	20,120	0.283	0.554	0.0652	0.128	P
CGOSP-2-S-20241217	C43867	43.3	9.99	383	29.0	0.439	20,120	0.283	0.554	0.0652	0.128	P
CGOSP-3-S-20241217	C00606	31.6	7.29	279	29.0	0.439	20,115	0.283	0.554	0.0653	0.128	P
CGOSP-3-D-20241217	C40522	5.00	1.15	44.1	29.0	0.439	20,115	0.283	0.554	0.0653	0.128	P
CGOSP-3-B-20241217	B43840				29.0	0.439	20,115	0.283	0.554	0.0653	0.128	ND,P
CGOSP-4-S-20241217	C35709	9.52	2.19	84.1	29.0	0.439	20,115	0.283	0.554	0.0653	0.128	P
CGOSP-5-S-20241217	B32917	22.5	5.19	199	29.0	0.439	20,120	0.283	0.554	0.0652	0.128	P
CGOSP-6-S-20241217	B15116	10.3	2.37	90.7	29.0	0.439	20,120	0.283	0.554	0.0652	0.128	P
CGOSP-7-S-20241217	B52914	43.8	10.1	387	29.0	0.439	20,125	0.283	0.554	0.0652	0.128	P
CGOSP-8-S-20241217	C39190	25.2	5.81	223	29.0	0.439	20,130	0.283	0.554	0.0652	0.128	P
CGOSP-9-S-20241217	C40630	46.9	10.8	414	29.0	0.439	20,130	0.283	0.554	0.0652	0.128	P
CGOSP-9-D-20241217	B50908	36.9	8.49	326	29.0	0.439	20,130	0.283	0.554	0.0652	0.128	P
CGOSP-9-B-20241217	C38864				29.0	0.439	20,130	0.283	0.554	0.0652	0.128	ND,P
CGOSP-10-S-20241217	C36864	20.5	4.72	181	29.0	0.439	20,135	0.283	0.554	0.0652	0.128	P
CGOSP-11-S-20241217	C53569	7.98	1.84	70.5	29.0	0.439	20,135	0.283	0.554	0.0652	0.128	P
CGOSP-12-S-20241217	B37405	7.15	1.65	63.2	29.0	0.439	20,135	0.283	0.554	0.0652	0.128	P
CGOSP-13-S-20241217	C01321	25.9	5.96	229	29.0	0.439	20,140	0.283	0.553	0.0652	0.128	P
CGOSP-14-S-20241217	B37340	26.5	6.10	234	29.0	0.439	20,140	0.283	0.553	0.0652	0.128	P
CGOSP-15-S-20241217	B16383	35.1	8.10	311	28.9	0.439	20,140	0.283	0.553	0.0652	0.128	P
CGOSP-16-S-20241217	C27866	39.8	9.18	352	28.9	0.439	20,145	0.283	0.553	0.0652	0.128	P
CGOSP-17-S-20241217	C53597	9.28	2.14	82.0	28.9	0.439	20,145	0.283	0.553	0.0652	0.128	P
CGOSP-18-S-20241217	B46335	9.13	2.10	80.7	28.9	0.439	20,150	0.283	0.553	0.0651	0.127	P

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP407-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

o-Xylene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
CGOSP-1-S-20241217	B14152	15.6	3.59	138	29.0	0.439	20,120	0.283	0.578	0.0652	0.133	P
CGOSP-2-S-20241217	C43867	14.8	3.41	131	29.0	0.439	20,120	0.283	0.578	0.0652	0.133	P
CGOSP-3-S-20241217	C00606	11.6	2.67	102	29.0	0.439	20,115	0.283	0.578	0.0653	0.133	P
CGOSP-3-D-20241217	C40522	1.81	0.418	16.0	29.0	0.439	20,115	0.283	0.578	0.0653	0.133	P
CGOSP-3-B-20241217	B43840				29.0	0.439	20,115	0.283	0.578	0.0653	0.133	ND,P
CGOSP-4-S-20241217	C35709	3.51	0.810	31.0	29.0	0.439	20,115	0.283	0.578	0.0653	0.133	P
CGOSP-5-S-20241217	B32917	8.85	2.04	78.1	29.0	0.439	20,120	0.283	0.578	0.0652	0.133	P
CGOSP-6-S-20241217	B15116	3.72	0.858	32.9	29.0	0.439	20,120	0.283	0.578	0.0652	0.133	P
CGOSP-7-S-20241217	B52914	16.3	3.76	144	29.0	0.439	20,125	0.283	0.578	0.0652	0.133	P
CGOSP-8-S-20241217	C39190	10.0	2.31	88.7	29.0	0.439	20,130	0.283	0.578	0.0652	0.133	P
CGOSP-9-S-20241217	C40630	17.3	4.00	153	29.0	0.439	20,130	0.283	0.578	0.0652	0.133	P
CGOSP-9-D-20241217	B50908	13.5	3.12	119	29.0	0.439	20,130	0.283	0.578	0.0652	0.133	P
CGOSP-9-B-20241217	C38864				29.0	0.439	20,130	0.283	0.578	0.0652	0.133	ND,P
CGOSP-10-S-20241217	C36864	8.29	1.91	73.3	29.0	0.439	20,135	0.283	0.577	0.0652	0.133	P
CGOSP-11-S-20241217	C53569	3.04	0.700	26.9	29.0	0.439	20,135	0.283	0.577	0.0652	0.133	P
CGOSP-12-S-20241217	B37405	2.49	0.573	22.0	29.0	0.439	20,135	0.283	0.577	0.0652	0.133	P
CGOSP-13-S-20241217	C01321	9.41	2.17	83.2	29.0	0.439	20,140	0.283	0.577	0.0652	0.133	P
CGOSP-14-S-20241217	B37340	10.5	2.42	92.7	29.0	0.439	20,140	0.283	0.577	0.0652	0.133	P
CGOSP-15-S-20241217	B16383	12.1	2.79	107	28.9	0.439	20,140	0.283	0.577	0.0652	0.133	P
CGOSP-16-S-20241217	C27866	15.1	3.48	134	28.9	0.439	20,145	0.283	0.577	0.0652	0.133	P
CGOSP-17-S-20241217	C53597	3.24	0.746	28.6	28.9	0.439	20,145	0.283	0.577	0.0652	0.133	P
CGOSP-18-S-20241217	B46335	3.21	0.739	28.4	28.9	0.439	20,150	0.283	0.577	0.0651	0.133	P

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP407-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Toluene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
CGOSP-1-S-20241217	B14152	4.89	1.30	48.8	29.0	0.496	20,120	0.250	0.540	0.0665	0.143	
CGOSP-2-S-20241217	C43867	3.31	0.878	33.0	29.0	0.496	20,120	0.250	0.540	0.0665	0.143	
CGOSP-3-S-20241217	C00606	3.70	0.981	36.9	29.0	0.496	20,115	0.250	0.540	0.0665	0.143	
CGOSP-3-D-20241217	C40522	4.82	1.28	48.1	29.0	0.496	20,115	0.250	0.540	0.0665	0.143	
CGOSP-3-B-20241217	B43840				29.0	0.496	20,115	0.250	0.540	0.0665	0.143	ND
CGOSP-4-S-20241217	C35709	5.79	1.54	57.8	29.0	0.496	20,115	0.250	0.540	0.0665	0.143	
CGOSP-5-S-20241217	B32917	6.89	1.83	68.7	29.0	0.496	20,120	0.250	0.540	0.0665	0.143	
CGOSP-6-S-20241217	B15116	7.11	1.89	71.0	29.0	0.496	20,120	0.250	0.540	0.0665	0.143	
CGOSP-7-S-20241217	B52914	6.41	1.70	64.0	29.0	0.496	20,125	0.250	0.540	0.0665	0.143	
CGOSP-8-S-20241217	C39190	7.09	1.88	70.8	29.0	0.496	20,130	0.250	0.540	0.0665	0.143	
CGOSP-9-S-20241217	C40630	11.5	3.06	115	29.0	0.496	20,130	0.250	0.540	0.0665	0.143	
CGOSP-9-D-20241217	B50908	10.4	2.76	104	29.0	0.496	20,130	0.250	0.540	0.0665	0.143	
CGOSP-9-B-20241217	C38864	0.338	0.0897	3.37	29.0	0.496	20,130	0.250	0.540	0.0665	0.143	J
CGOSP-10-S-20241217	C36864	8.17	2.17	81.6	29.0	0.496	20,135	0.250	0.539	0.0664	0.143	
CGOSP-11-S-20241217	C53569	5.40	1.43	54.0	29.0	0.496	20,135	0.250	0.539	0.0664	0.143	
CGOSP-12-S-20241217	B37405	6.37	1.69	63.6	29.0	0.496	20,135	0.250	0.539	0.0664	0.143	
CGOSP-13-S-20241217	C01321	6.19	1.64	61.8	29.0	0.496	20,140	0.250	0.539	0.0664	0.143	
CGOSP-14-S-20241217	B37340	4.85	1.29	48.5	29.0	0.496	20,140	0.250	0.539	0.0664	0.143	
CGOSP-15-S-20241217	B16383	4.58	1.22	45.8	28.9	0.496	20,140	0.250	0.539	0.0664	0.143	
CGOSP-16-S-20241217	C27866	3.62	0.960	36.1	28.9	0.496	20,145	0.250	0.539	0.0664	0.143	
CGOSP-17-S-20241217	C53597	3.66	0.971	36.5	28.9	0.496	20,145	0.250	0.539	0.0664	0.143	
CGOSP-18-S-20241217	B46335	5.34	1.42	53.3	28.9	0.496	20,150	0.250	0.539	0.0664	0.143	

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit
ND: The analyte was not present above the Method Detection Limit
P: Field duplicate(s) exceed 30%RPD

QC

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP407-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

QC Samples

Field Sample Type	Sample Code	Benzene		Ethylbenzene		m-/p-Xylenes		o-Xylene		Toluene	
Blanks (ug/m³)	CGOSP-3-B-20241217	ND	Pass	ND	Pass	ND	Pass	ND	Pass	ND	Pass
	CGOSP-9-B-20241217	ND	Pass	ND	Pass	ND	Pass	ND	Pass	0.338	Pass
Duplicates (difference)	CGOSP-3-D-20241217	2.6%	Pass	140%	P	150%	P	150%	P	26%	Pass
	CGOSP-9-D-20241217	1.5%	Pass	20%	Pass	24%	Pass	25%	Pass	10%	Pass

Narrative Summary

Enthalpy Analytical Narrative Summary

Company	Montrose Air Quality Services, LLC - New Jersey
Site	CITGO – South Portland Terminal
Project	PROJ-031602
Report #	2024FP407

Custody	Enthalpy Analytical, LLC received the sample tubes on 1/6/25. The samples were received in good condition at a temperature of 15.0 ºC. Prior to, during, and after analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, LLC.
Analysis	The samples were analyzed for Benzene, Toluene, Ethylbenzene, o-Xylene, and m-/p-Xylenes using EPA Method 325B – Volatile Organic Compounds from Fugitive and Area Sources by Thermal Desorption and GC/MS. A copy of the acquisition method (M325B-MTD.M) is not included in this report but may be available upon request.
Calibration	The daily BFB check failed to meet method criteria for the relative response of m/z 175 and 176. Because m/z 175 and 176 are not near the tuning region of the quant ions for the target analytes and the continuing calibration checks met the 30% difference criteria, the deviation is not expected to have an effect on the data. All other BFB criteria have been met for this analysis. The initial calibration met 30% RSD criteria. The initial calibration verification met 30% recovery criteria. The continuing calibration verifications met 30% difference criteria. The initial and continuing calibration raw data are not included in this report but are available upon request.
Quality Control Notes	All quality control criteria required by the method and/or the laboratory SOP have been met unless noted otherwise below. The primary sample CGOSP-3-S-20241217 (tube ID C00606) and its corresponding duplicate CGOSP-3-D-20241217 (tube ID C40522) failed to meet the 30% difference criterion specified by the method for ethylbenzene, m-/p-xylenes and o-xylene. All samples in the data set have been flagged "P" for ethylbenzene, m-/p-xylenes and o-xylene only to denote this failure.
Reporting Notes	The samples may have been purged to remove known or suspected moisture. If purging occurred, a CCV and a Method Blank will have been purged alongside the samples. The laboratory maintains documentation of samples that are purged. As specified in EPA Method 325B, the response factor of the daily continuing calibration standard was used to quantitate all field samples and blanks. All samples were reported as amount in ng catch, and concentration in µg/m3 and ppbv. The results presented in this report are representative of the samples as provided to the laboratory. These analyses met the requirements of the TNI Standard. Any deviations from the requirements of the reference method or TNI Standard have been stated above.

Sample Custody

2024FP407

ENTHALPY ANALYTICAL

EPA Method 325 A/B Field Test Data Sheet and Chain of Custody Record

Page #1 of #3

☐ Standard Turn Around Time (10 business days)

☐ Rush Turn Around Time

• All TATs Subject to Approval by Enthalpy Analytical, Inc.

• Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name:	Citgo South Portland Terminal	**Client Name:**	Montrose Air	**PO#:**	
Site Address:	102 Mechanic Street	**Project Number:**	PROJ-031602	**Sample Event #**	
City:	So. Portland	**Project Manager:**	Haig Brochu	**Sorbent:**	
State	ME	**Email Address:**	haigbrochu@Montrose-env.com		
Zip:	04106	**Telephone #:**	207-441-0025		

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
1	B14152	S	12/17/24	9:45 AM	12/31/24	9:05 AM	HFB/HFB		
2	C43867	S	12/17/24	9:50 AM	12/31/24	9:10 AM	HFB/HFB		
3	C00606	S	12/17/24	10:00 AM	12/31/24	9:15 AM	HFB/HFB		
3	C40522	D	12/17/24	10:00 AM	12/31/24	9:15 AM	HFB/HFB		
3	B43840	B	12/17/24	10:00 AM	12/31/24	9:15 AM	HFB/HFB		
4	C35709	S	12/17/24	10:10 AM	12/31/24	9:25 AM	HFB/HFB		
5	B32917	S	12/17/24	10:15 AM	12/31/24	9:35 AM	HFB/HFB		
6	B15116	S	12/17/24	10:20 AM	12/31/24	9:40 AM	HFB/HFB		

Relinquished By (printed):	Relinquished By (signature):	Relinquished Date:	Relinquished Time:
Haig Brochu	Haig Brochu	12/31/2024	17:15
Recieved By (printed):	**Recieved By (signature):**	**Receipt Date:**	**Receipt Time:**
Abby Browning	Abby B	1/6/25	10:00

Sample Condition Upon Receipt:	Compound List:	Custody Seal intact? Y/N:	Delivery tracking #
Good		Yes	
Ice Temp: / **Blank Temp:** 15.0 / Fluke 7A		Add Custody Seal # below: 24G07156	

Comments:

2024FP407

EPA Method 325 A/B Field Test Data Sheet and Chain of Custody Record

ENTHALPY ANALYTICAL

Page # 2 of # 3

☐ Standard Turn Around Time (10 business days)

☐ Rush Turn Around Time

• All TATs Subject to Approval by Enthalpy Analytical, Inc.

• Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name:	Citgo South Portland Treminal	**Client Name:**	Montrose Air	**PO#:**	
Site Address:	107 Mechanic Street	**Project Number:**	PROJ - 031602	**Sample Event #**	
City:	South Portland	**Project Manager:**	Haig Brochu	**Sorbent:**	
State	Maine	**Email Address:**	haigbrochu@Montrose-env.com		
Zip:	04106	**Telephone #:**	207-441-0025		

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
7	B52914	S	12/17/24	10:25 AM	12/31/24	9:50 AM	HFB/HFB		
8	C39190	S	12/17/24	10:30 AM	12/31/24	10:00 AM	HFB/HFB		
9	C40630	S	12/17/24	10:35 AM	12/31/24	10:05 AM	HFB/HFB		
9	B50908	D	12/17/24	10:35 AM	12/31/24	10:05 AM	HFB/HFB		
9	C38864	B	12/17/24	10:35 AM	12/31/24	10:05 AM	HFB/HFB		
10	C36864	S	12/17/24	10:40 AM	12/31/24	10:15 AM	HFB/HFB		
11	C53569	S	12/17/24	10:45 AM	12/31/24	10:20 AM	HFB/HFB		
12	B37405	S	12/17/24	10:50 AM	12/31/24	10:25 AM	HFB/HFB		

Relinquished By (printed):	**Relinquished By (signature):**	**Relinquished Date:**	**Relinquished Time:**
Haig Brochu	Haig Brochu	12/31/2024	17:15
Recieved By (printed):	**Recieved By (signature):**	**Receipt Date:**	**Receipt Time:**
Abby Browning	Abby Browning	1/6/25	10:00
Sample Condition Upon Receipt:	**Compound List:**	**Custody Seal intact? Y/N:**	**Delivery tracking #**
Good		Yes	
Ice Temp: / **Blank Temp:** 15.0 Fluke 7A		**Add Custody Seal # below:** 24G07156	

Comments:

2024FP407

EPA Method 325 A/B
Field Test Data Sheet and
Chain of Custody Record

Page # 3 of # 3

☐ Standard Turn Around Time (10 business days)
☐ Rush Turn Around Time
• All TATs Subject to Approval by Enthalpy Analytical, Inc.
• Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name:	Citgo South Portland Terminal	**Client Name:**	Montrose Air	**PO#:**	
Site Address:	107 Mechanic Strteet	**Project Number:**	PROJ - 031602	**Sample Event #**	
City:	South Portland	**Project Manager:**	Haig Brochu	**Sorbent:**	
State	Maine	**Email Address:**	haigbrochu@Montrose-env.com		
Zip:	04106	**Telephone #:**	207-441-0025		

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
13	C01321	S	12/17/24	10:55 AM	12/31/24	10:35 AM	HFB/HFB		
14	B37340	S	12/17/24	11:00 AM	12/31/24	10:40 AM	HFB/HFB		
15	B16383	S	12/17/24	11:05 AM	12/31/24	10:45 AM	HFB/HFB		
16	C27866	S	12/17/24	11:10 AM	12/31/24	10:55 AM	HFB/HFB		
17	C53597	S	12/17/24	11:15 AM	12/31/24	11:00 AM	HFB/HFB		
18	B46335	S	12/17/24	11:20 AM	12/31/24	11:10 AM	HFB/HFB		
							/		
							/		

Relinquished By (printed):	**Relinquished By (signature):**	**Relinquished Date:**	**Relinquished Time:**
Haig Brochu	Haig Brochu	12/31/2024	17:15
Recieved By (printed):	**Recieved By (signature):**	**Receipt Date:**	**Receipt Time:**
Abby Browning	Abby B	1/6/25	10:00

Sample Condition Upon Receipt:		**Compound List:**	**Custody Seal intact? Y/N:**	**Delivery tracking #**
Good			Yes	
Ice Temp:	**Blank Temp:** 15.0 Fluke 7A		**Add Custody Seal # below:** 24G07156	

Comments:

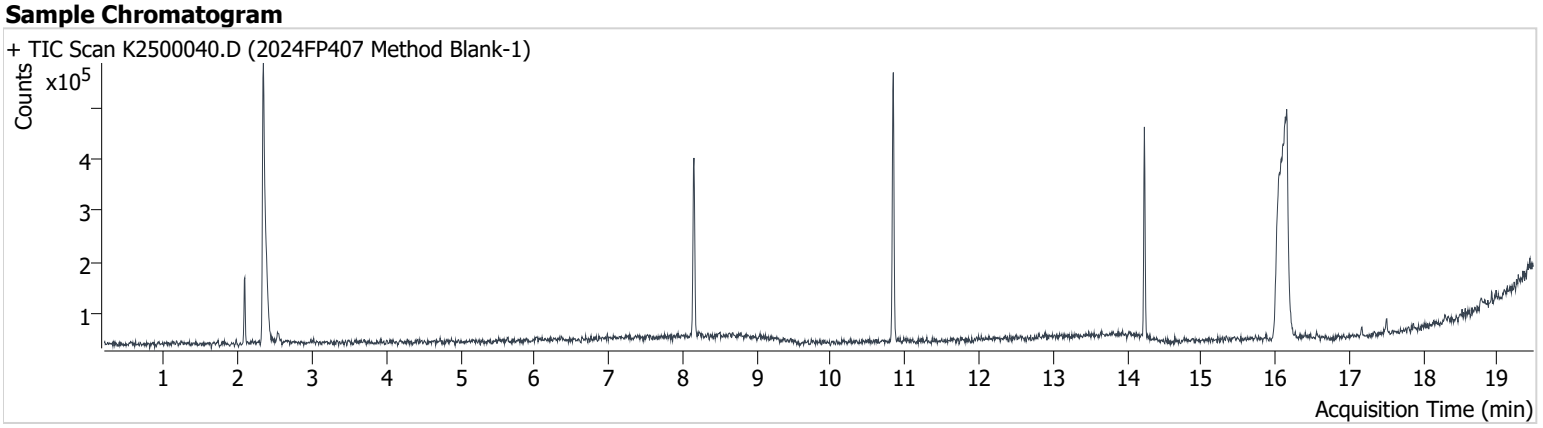
800-1 Capitola Drive • Durham, NC 27713 • (919) 850-4392 • FAX (919) 850-9012 • www.enthalpy.com

Sample Chromatograms

ENTHALPY ANALYTICAL

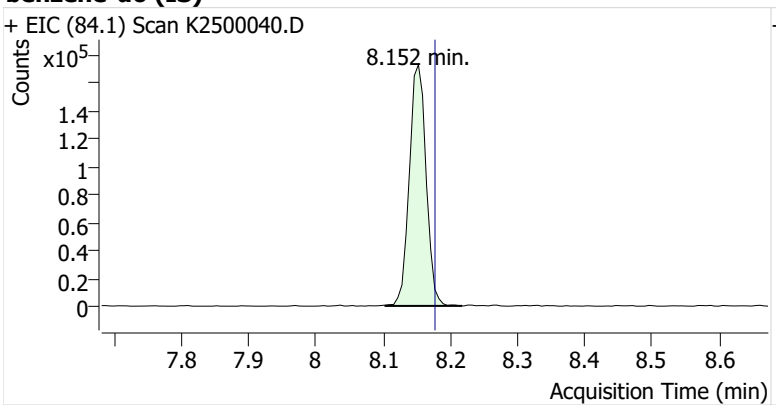
Name	2024FP407 Method Blank-1
Comment	C43542
Data File	K2500040.D
Acq. Date-Time	1/6/2025 4:24:38 PM
Acq. Method File	M325B-MTD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

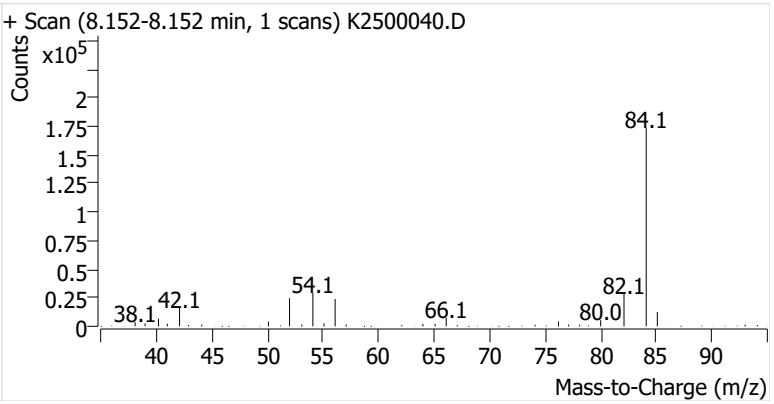
Sample Chromatogram



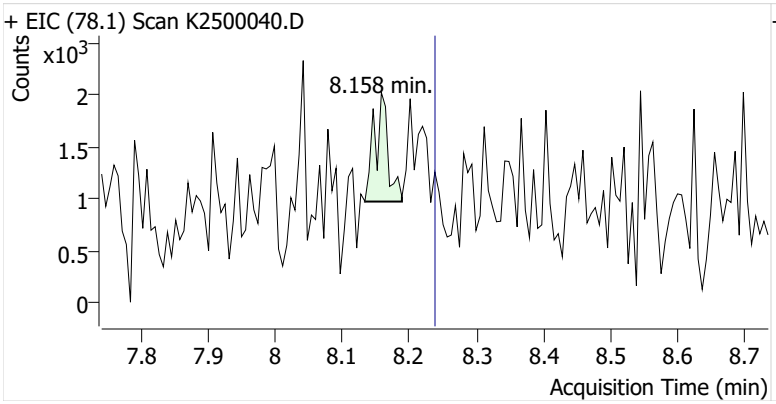
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.152	8.177	300,253	
Benzene	benzene-d6 (IS)	8.158	8.238	1,482	
Toluene-d8 (IS)		10.844	10.869	313,152	
Toluene	Toluene-d8 (IS)	10.991	10.967	1,069	
Ethylbenzene	Toluene-d8 (IS)	13.303	13.145	ND	m
m-/p-Xylenes	Toluene-d8 (IS)	13.303	13.340	667	
o-Xylene	Toluene-d8 (IS)	13.713	13.818	ND	m

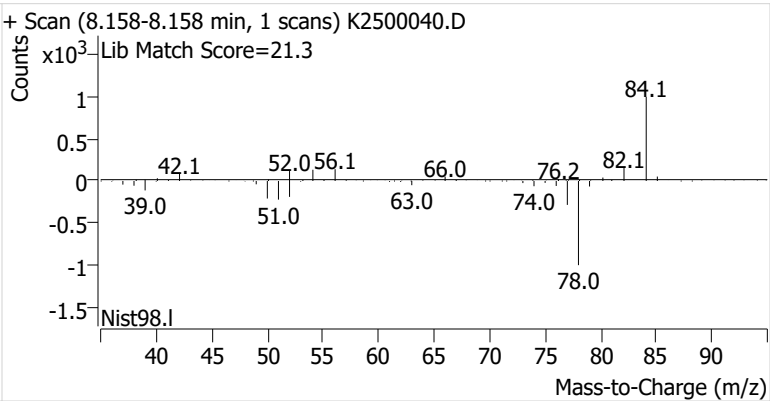
benzene-d6 (IS)



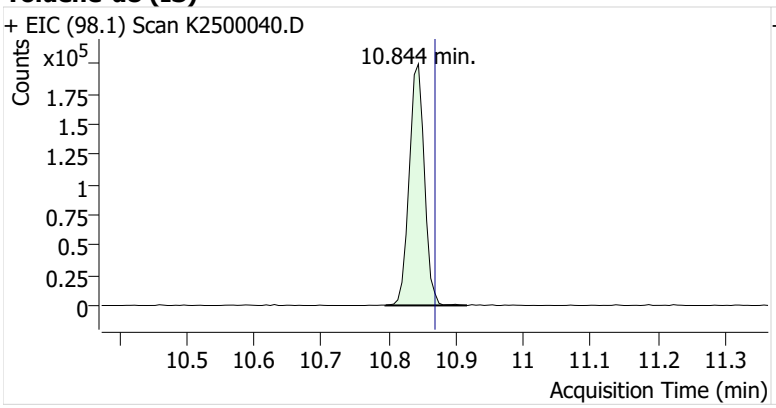


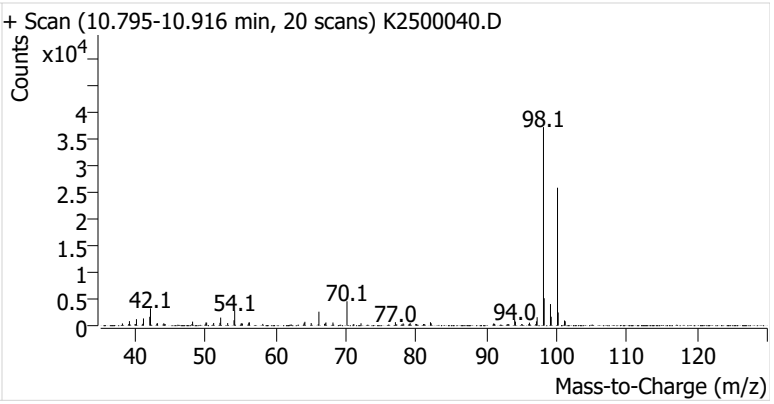
Benzene



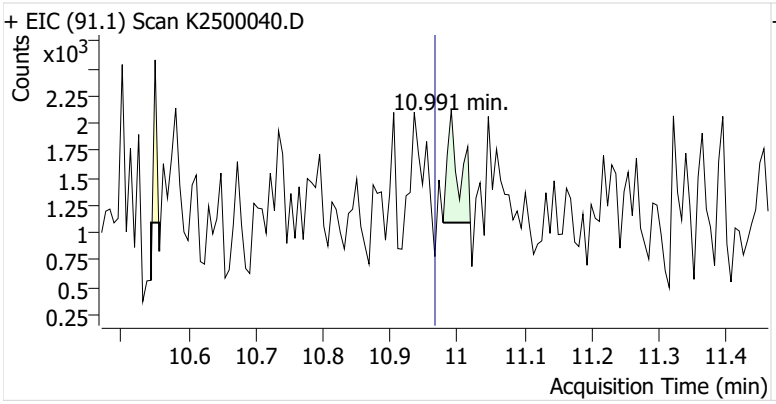


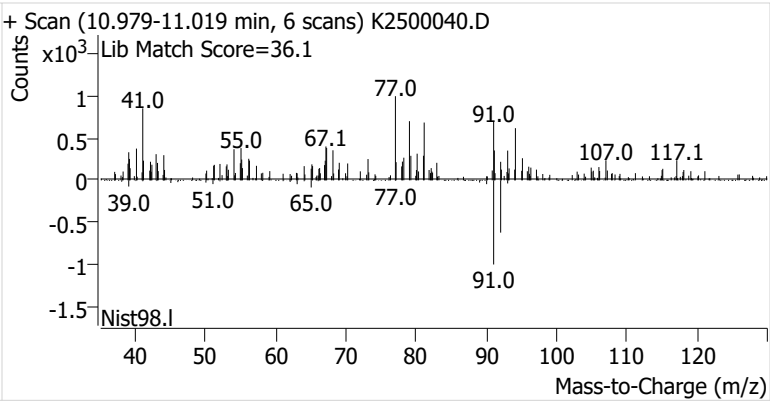
Toluene-d8 (IS)



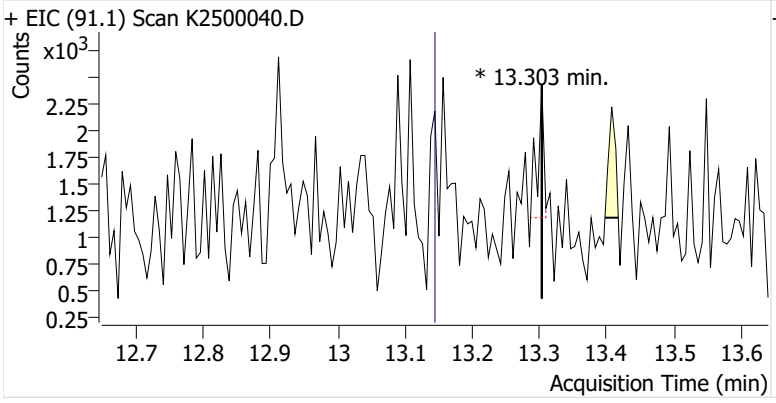


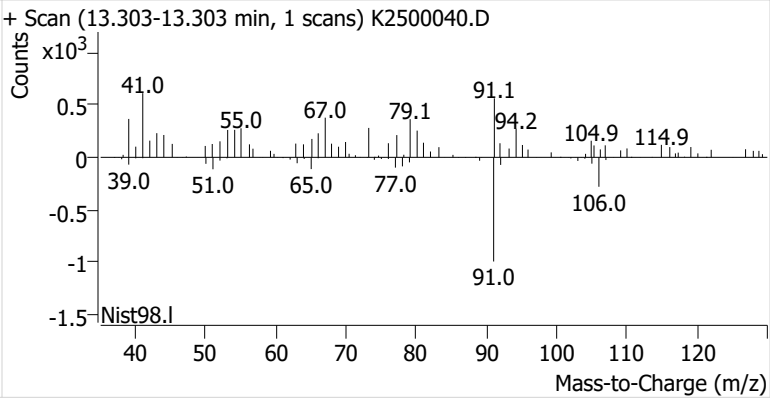
Toluene



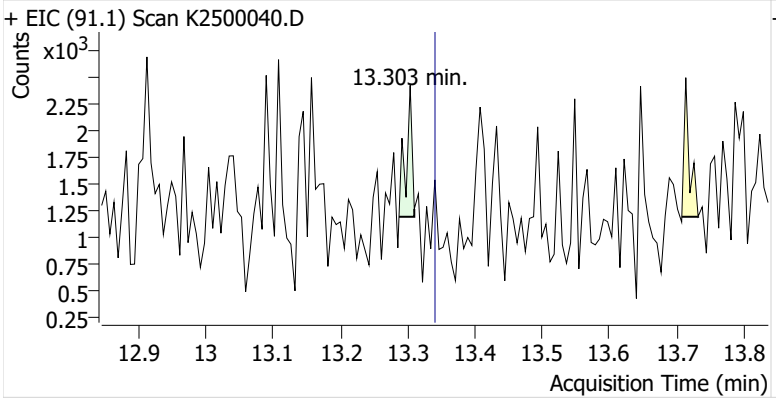


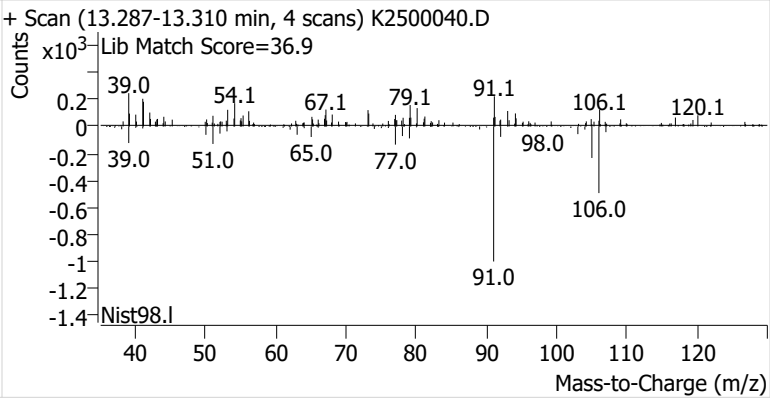
Ethylbenzene



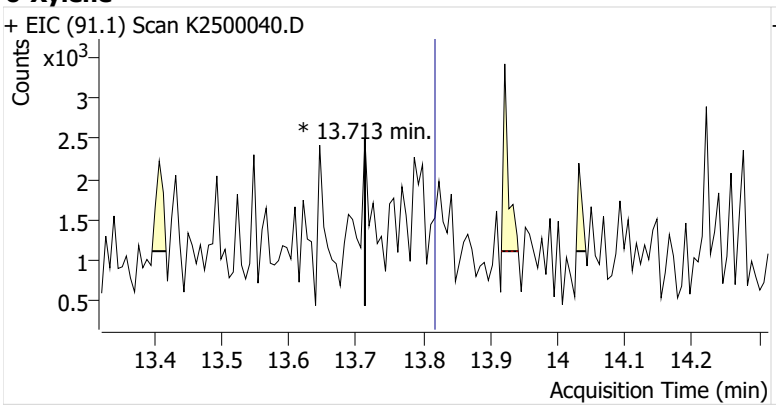


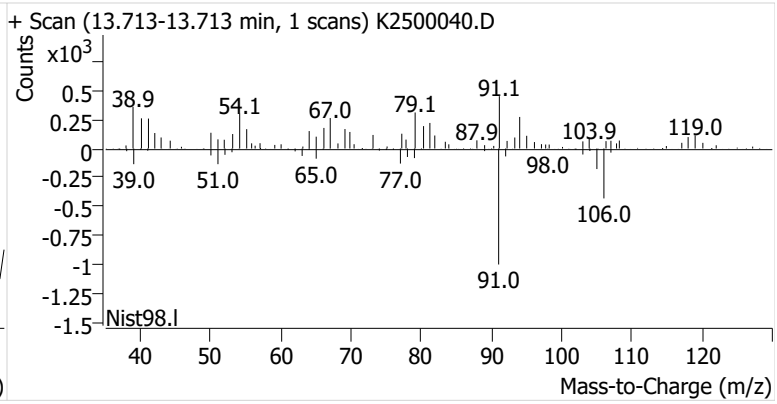
m-/p-Xylenes





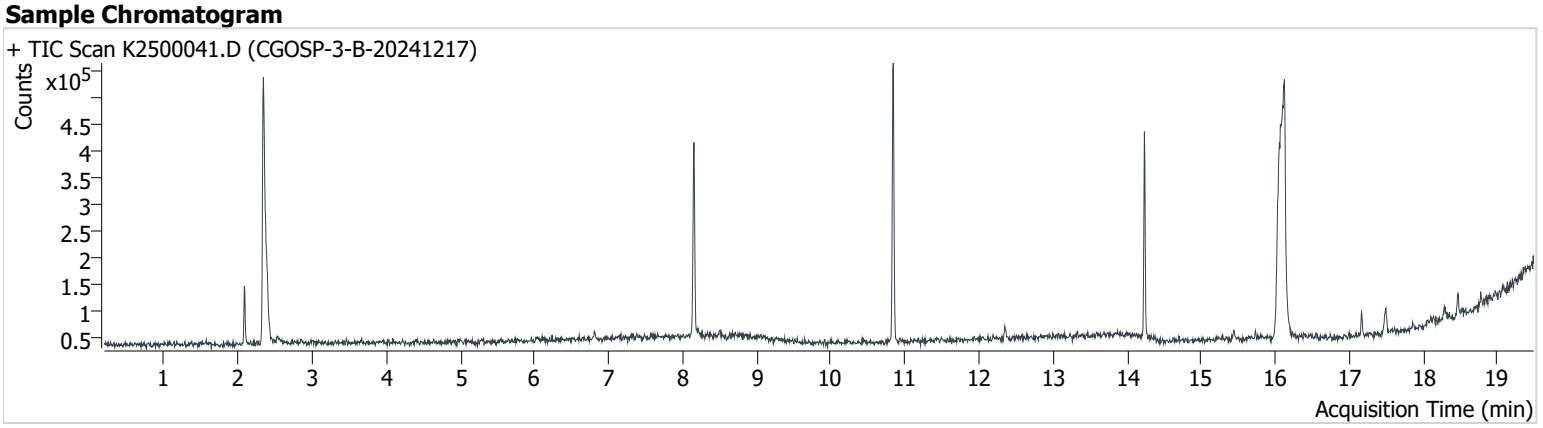
o-Xylene


+ EIC (91.1) Scan K2500040.D
Counts
x10^3
3
2.5
2
1.5
1
0.5
* 13.713 min.
13.4
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
Acquisition Time (min)


+ Scan (13.713-13.713 min, 1 scans) K2500040.D
Counts
x10^3
0.5
0.25
0
-0.25
-0.5
-0.75
-1
-1.25
-1.5
38.9
39.0
51.0
54.1
65.0
67.0
77.0
79.1
87.9
91.1
91.0
98.0
103.9
106.0
119.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

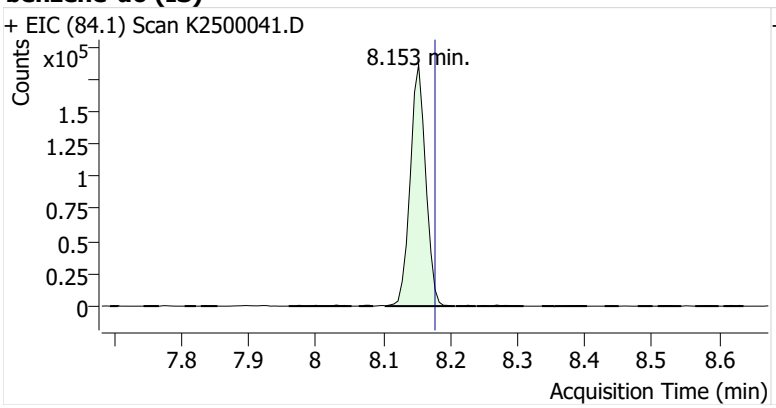
Name	CGOSP-3-B-20241217
Comment	B43840
Data File	K2500041.D
Acq. Date-Time	1/6/2025 4:52:11 PM
Acq. Method File	M325B-MTD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

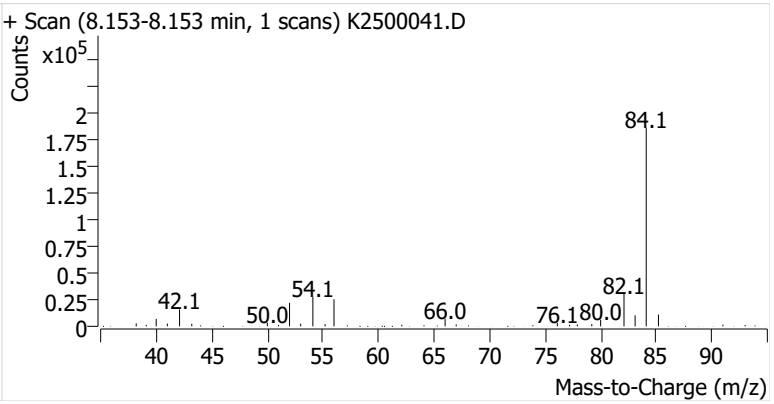
Sample Chromatogram



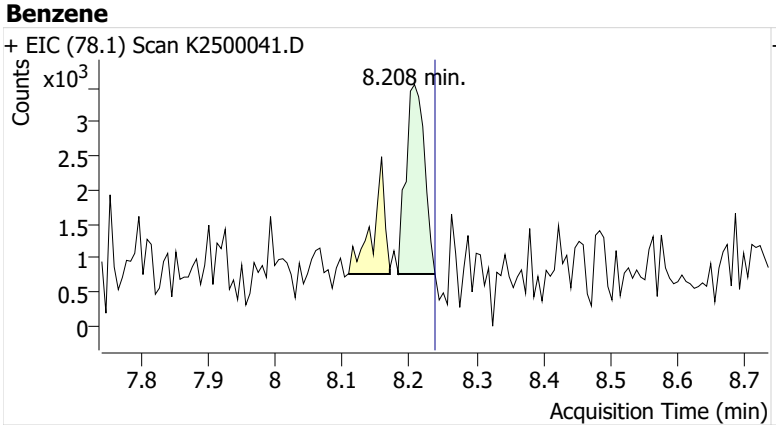
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.153	8.177	298,333	
Benzene	benzene-d6 (IS)	8.208	8.238	5,241	
Toluene-d8 (IS)		10.844	10.869	323,115	
Toluene	Toluene-d8 (IS)	10.942	10.967	2,417	
Ethylbenzene	Toluene-d8 (IS)	13.206	13.145	ND	m
m-/p-Xylenes	Toluene-d8 (IS)	13.206	13.340	ND	m
o-Xylene	Toluene-d8 (IS)	13.818	13.818	1,848	m

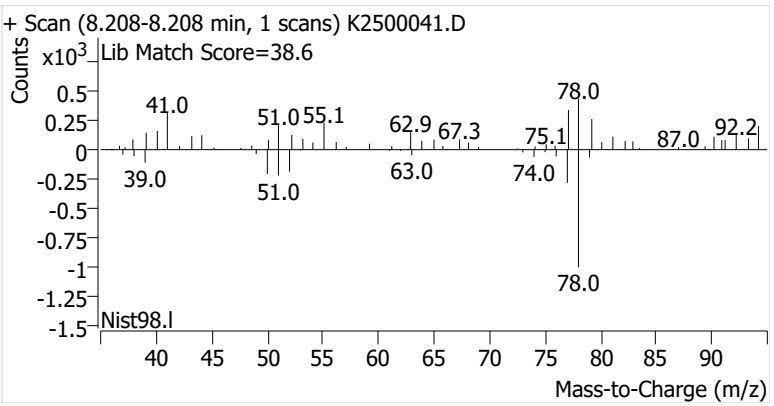
benzene-d6 (IS)



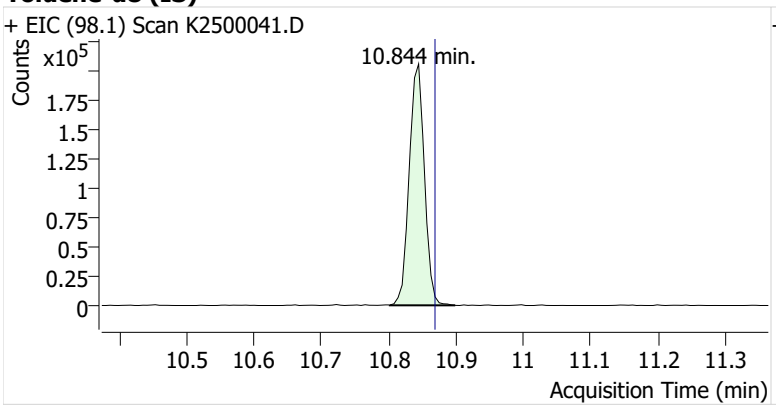


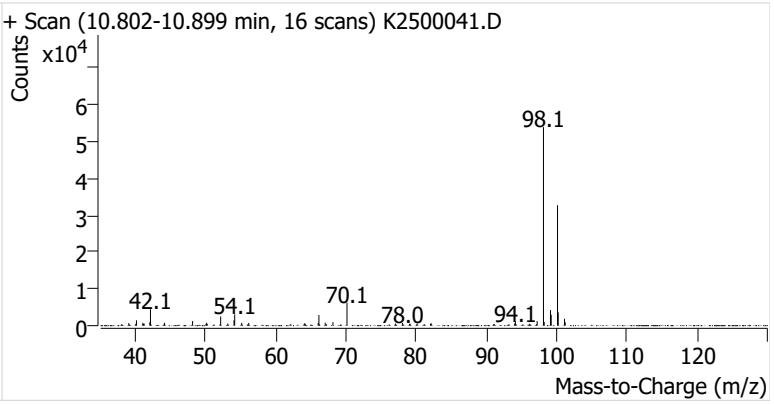
Benzene



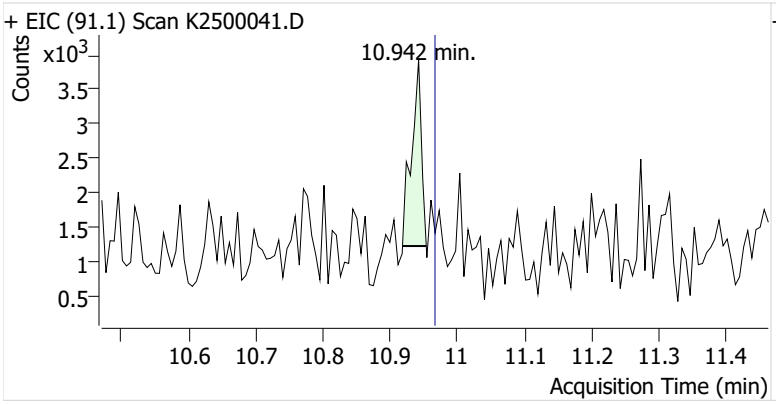


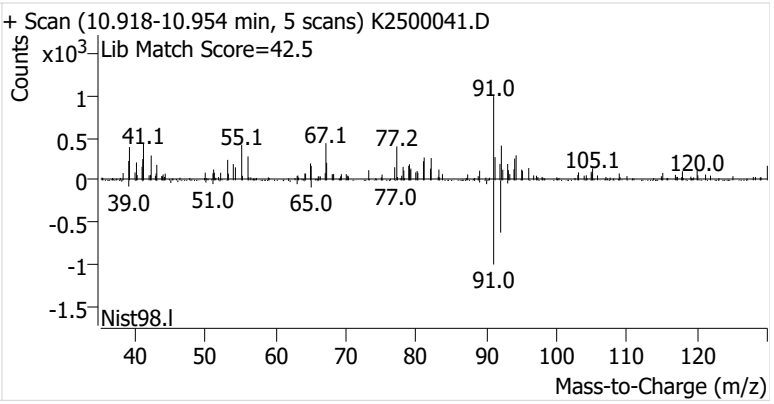
Toluene-d8 (IS)



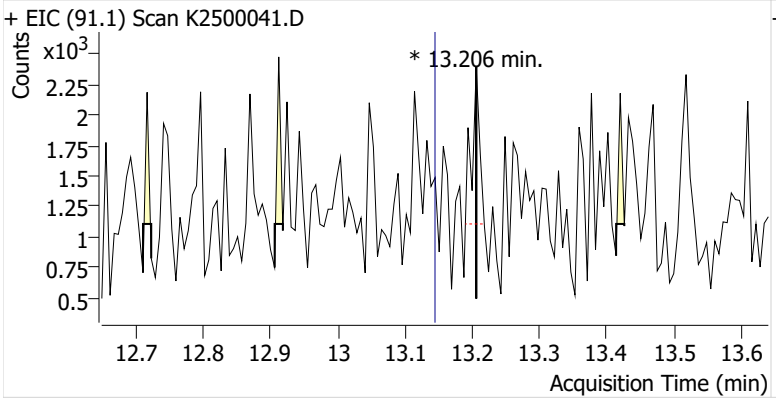


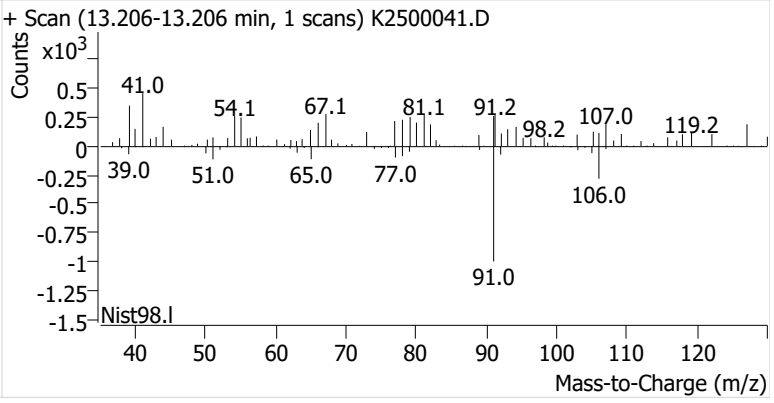
Toluene



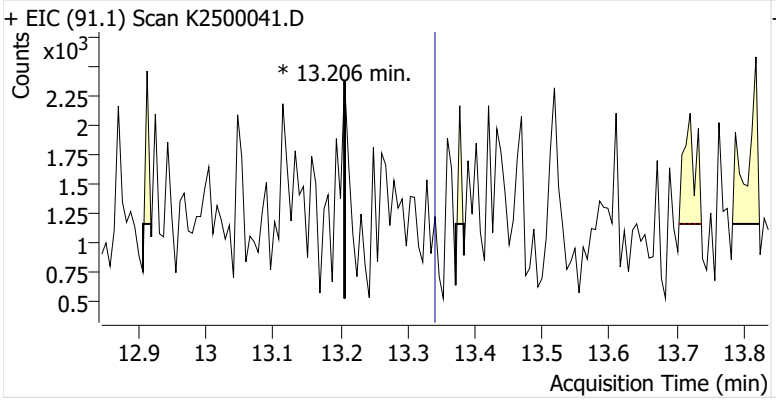


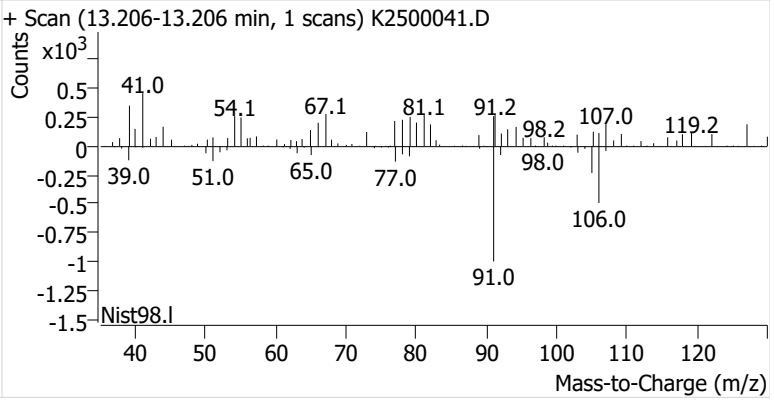
Ethylbenzene



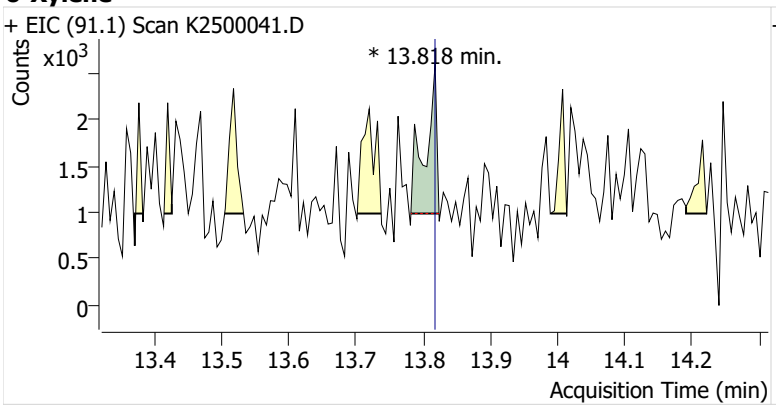


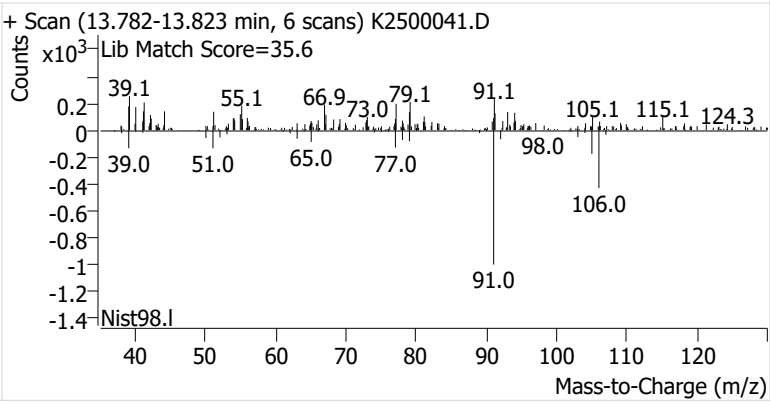
m-/p-Xylenes





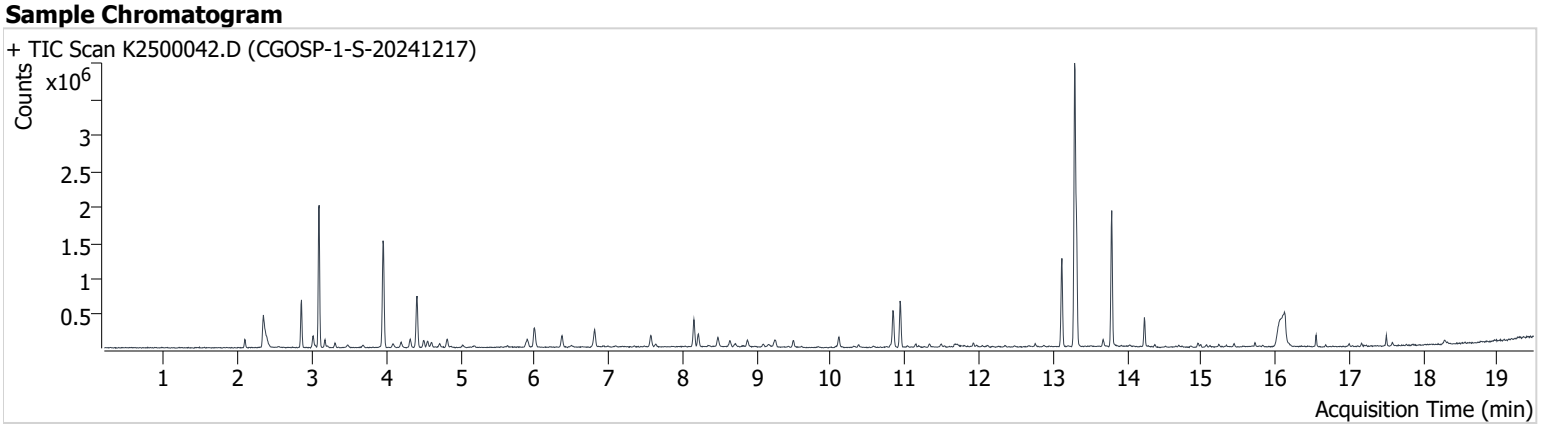
o-Xylene


+ EIC (91.1) Scan K2500041.D
Counts
x10^3
* 13.818 min.
2
1.5
1
0.5
0
13.4
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
Acquisition Time (min)


+ Scan (13.782-13.823 min, 6 scans) K2500041.D
Counts
x10^3
Lib Match Score=35.6
39.1
55.1
66.9
73.0
79.1
91.1
105.1
115.1
124.3
39.0
51.0
65.0
77.0
98.0
106.0
91.0
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
-1.2
-1.4
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

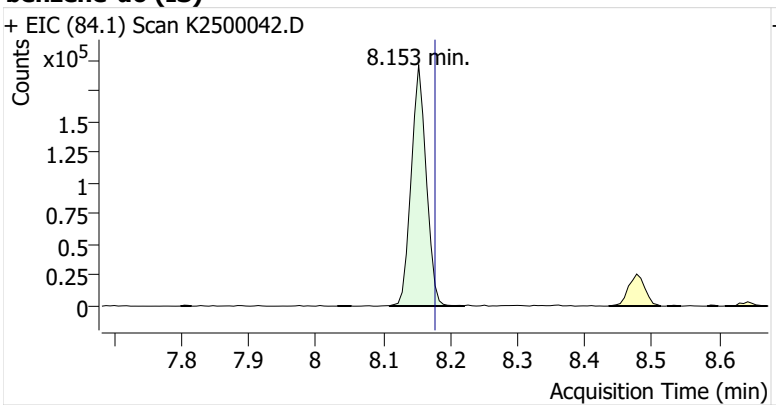
Name	CGOSP-1-S-20241217
Comment	B14152
Data File	K2500042.D
Acq. Date-Time	1/6/2025 5:19:43 PM
Acq. Method File	M325B-MTD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

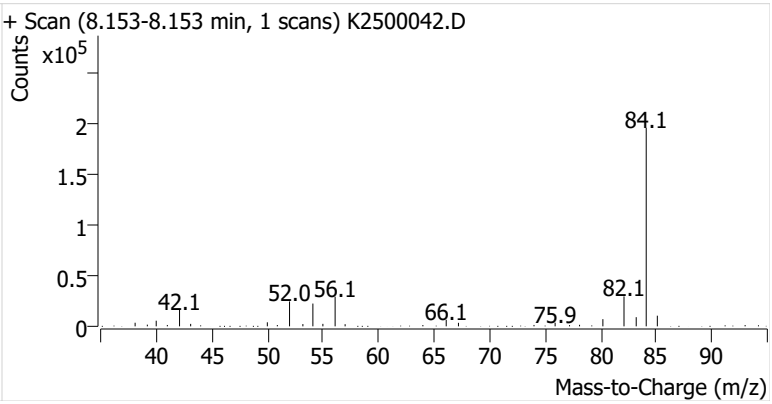
Sample Chromatogram



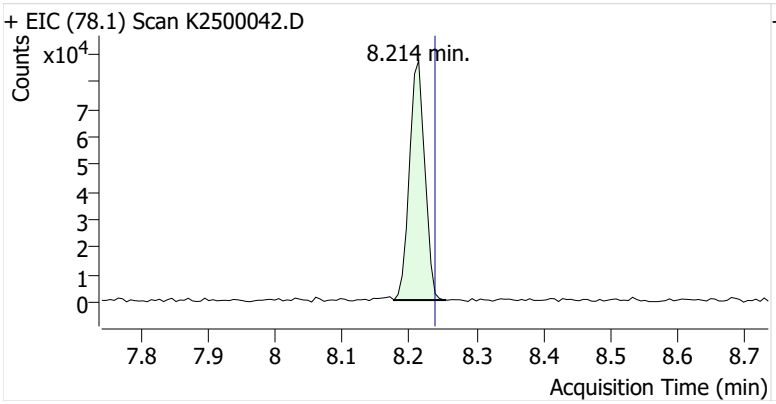
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.153	8.177	304,349	
Benzene	benzene-d6 (IS)	8.214	8.238	137,698	
Toluene-d8 (IS)		10.844	10.869	322,045	
Toluene	Toluene-d8 (IS)	10.936	10.967	392,267	
Ethylbenzene	Toluene-d8 (IS)	13.120	13.145	800,423	
m-/p-Xylenes	Toluene-d8 (IS)	13.292	13.340	2,855,589	
o-Xylene	Toluene-d8 (IS)	13.793	13.818	975,938	

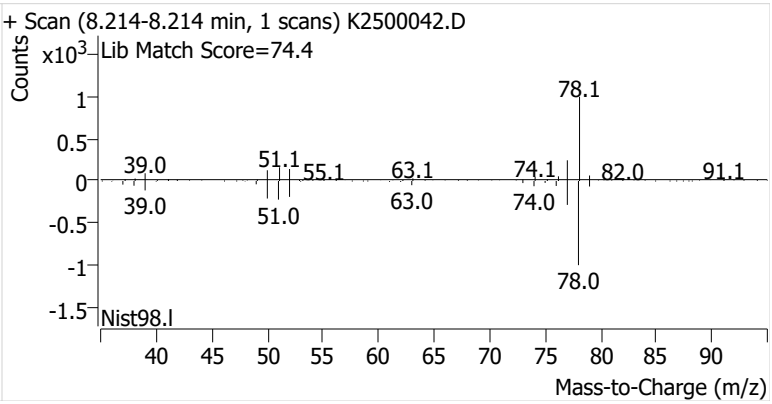
benzene-d6 (IS)



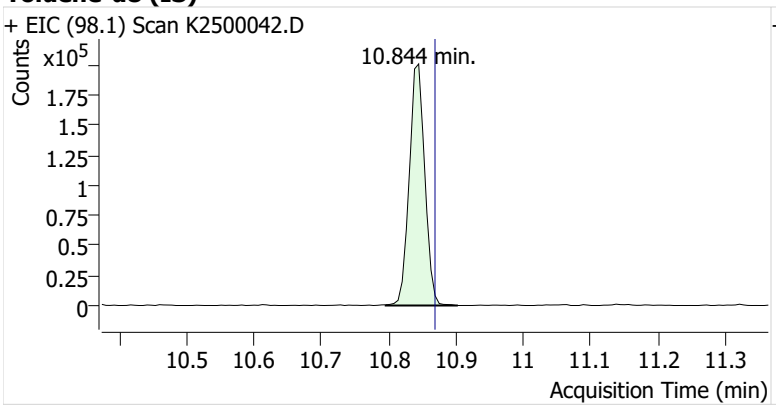


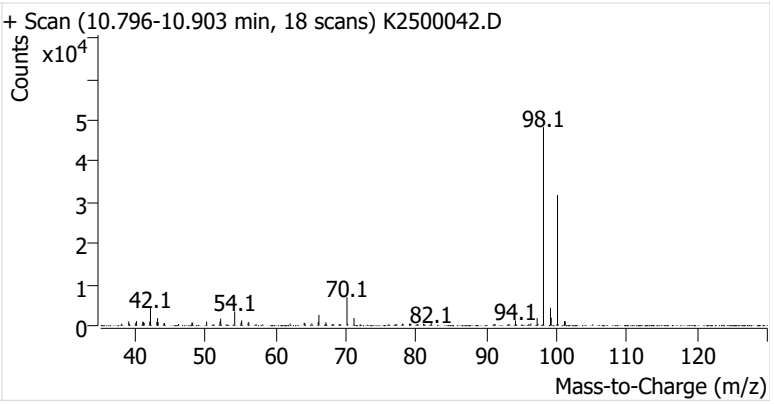
Benzene



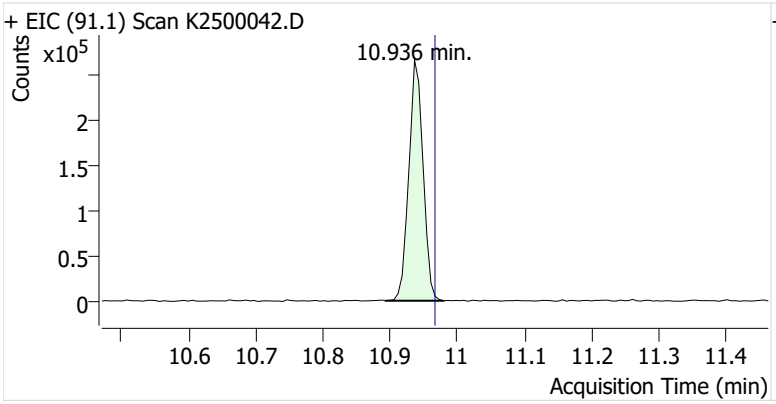


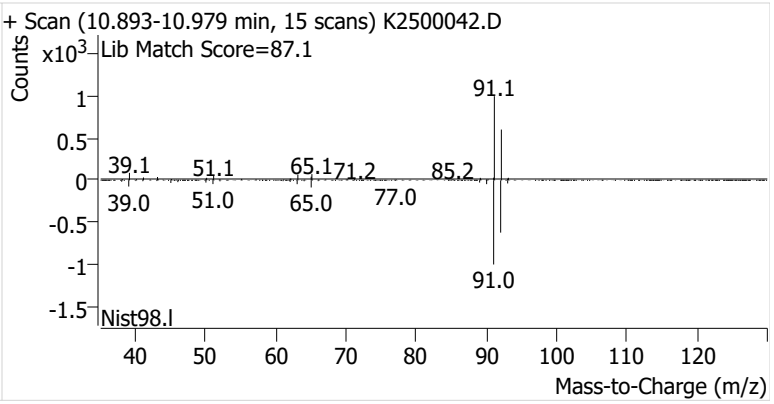
Toluene-d8 (IS)



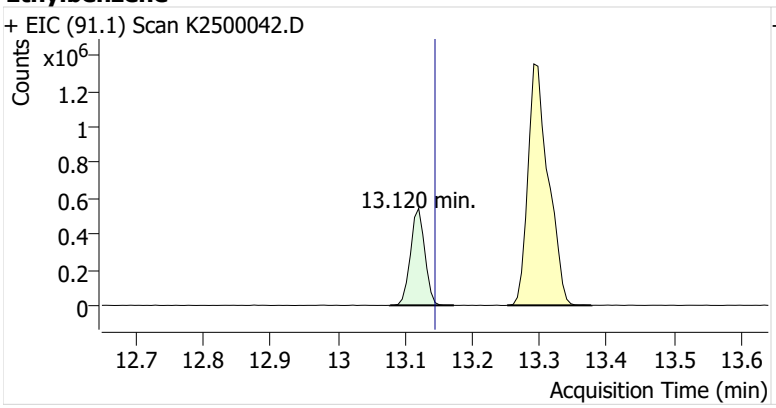


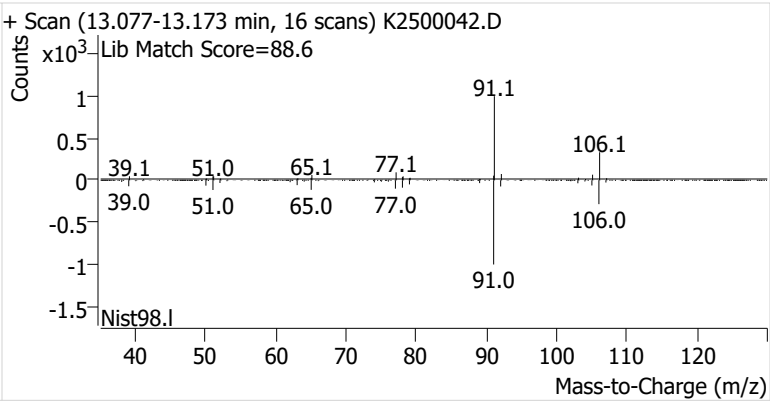
Toluene



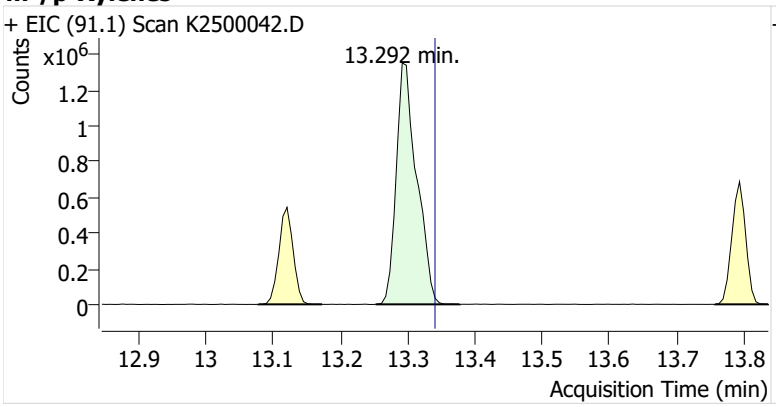


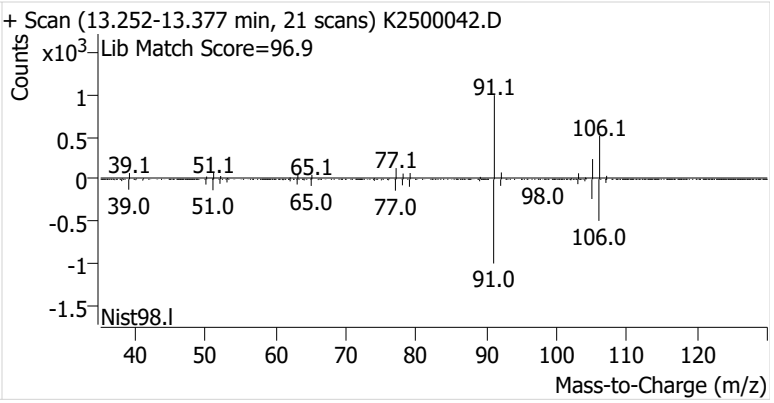
Ethylbenzene



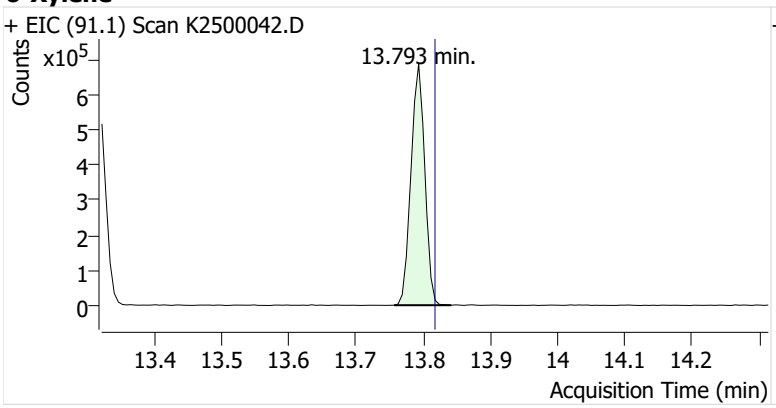


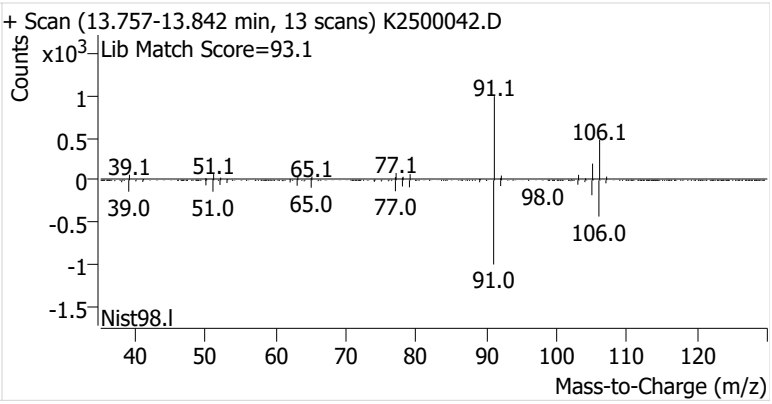
m-/p-Xylenes





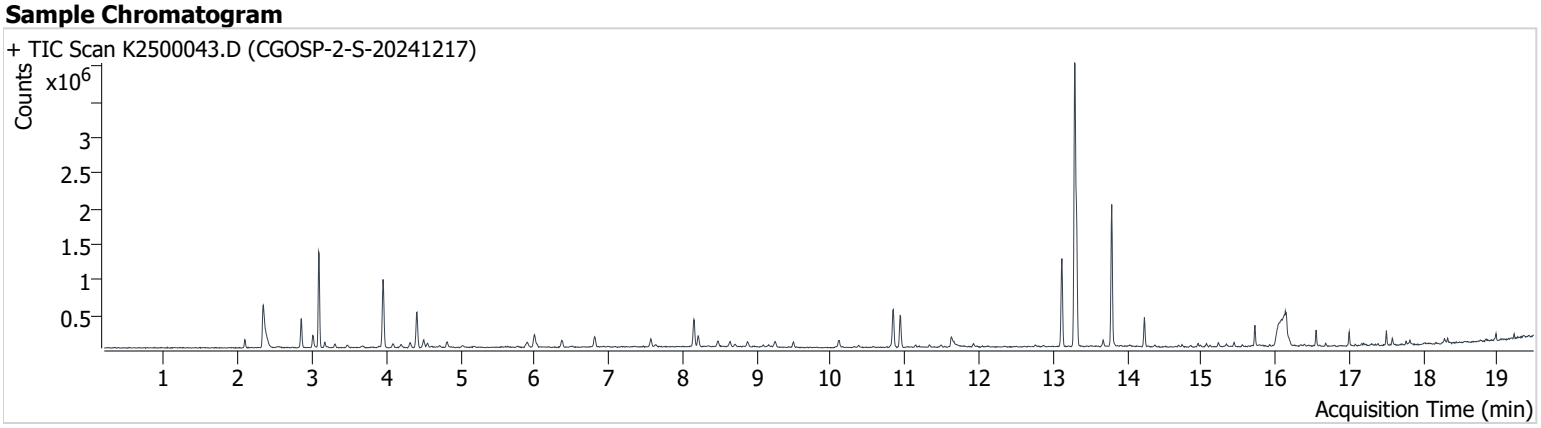
o-Xylene


+ EIC (91.1) Scan K2500042.D
Counts
x10^5
13.793 min.
6
5
4
3
2
1
0
13.4
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
Acquisition Time (min)


+ Scan (13.757-13.842 min, 13 scans) K2500042.D
Counts
x10^3
Lib Match Score=93.1
91.1
106.1
39.1
51.1
65.1
77.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

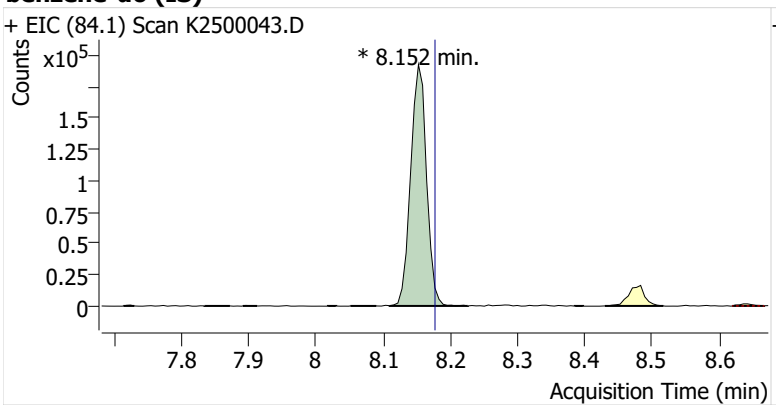
Name	CGOSP-2-S-20241217
Comment	C43867
Data File	K2500043.D
Acq. Date-Time	1/6/2025 5:47:17 PM
Acq. Method File	M325B-MTD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

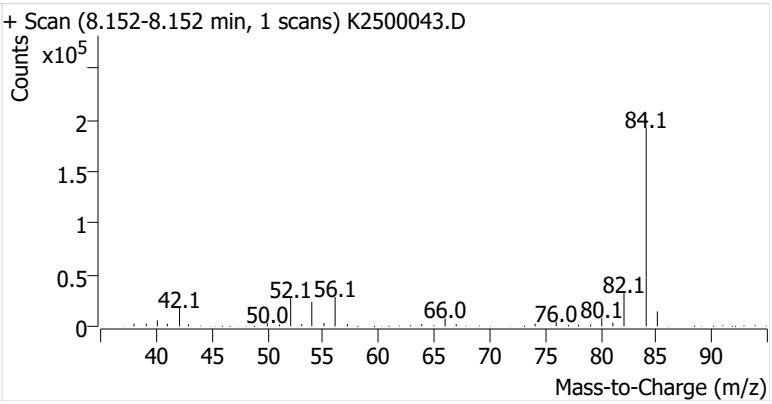
Sample Chromatogram



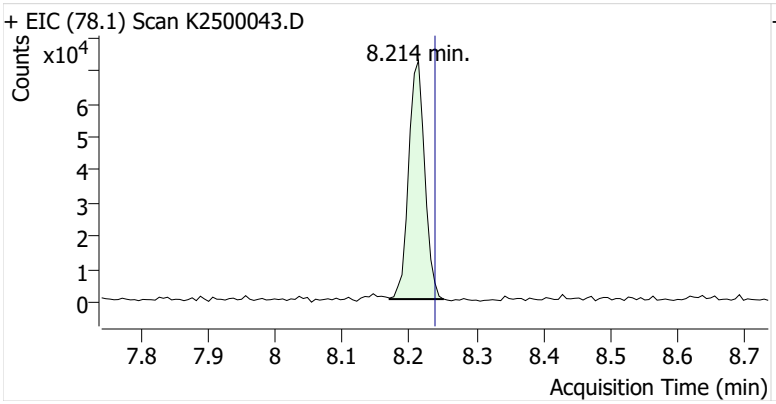
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.152	8.177	314,726	m
Benzene	benzene-d6 (IS)	8.214	8.238	119,778	
Toluene-d8 (IS)		10.844	10.869	344,235	
Toluene	Toluene-d8 (IS)	10.936	10.967	283,466	
Ethylbenzene	Toluene-d8 (IS)	13.120	13.145	799,640	
m-/p-Xylenes	Toluene-d8 (IS)	13.297	13.340	2,952,274	
o-Xylene	Toluene-d8 (IS)	13.793	13.818	990,650	

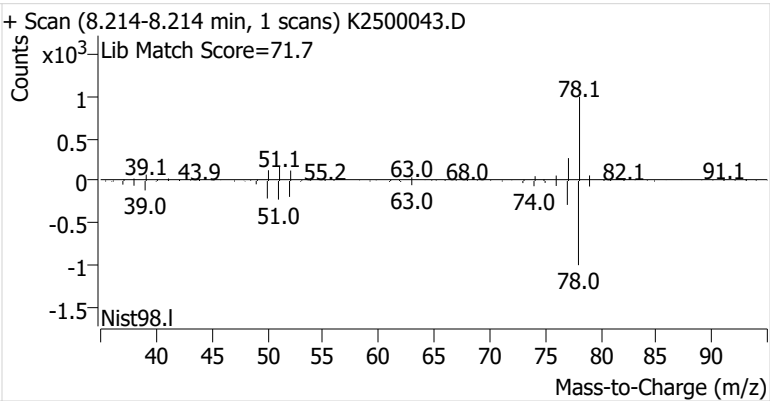
benzene-d6 (IS)



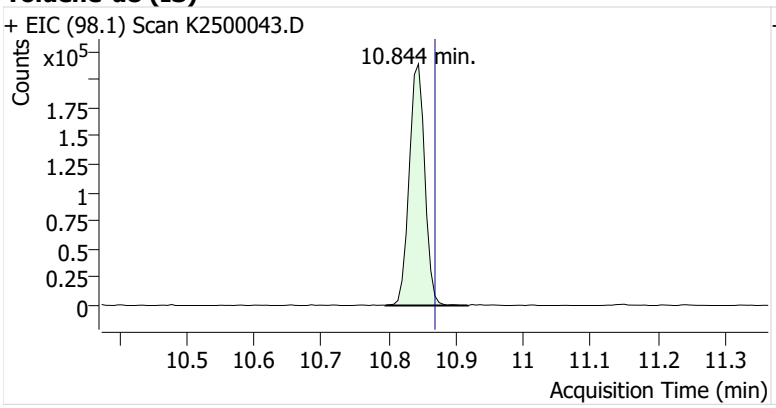


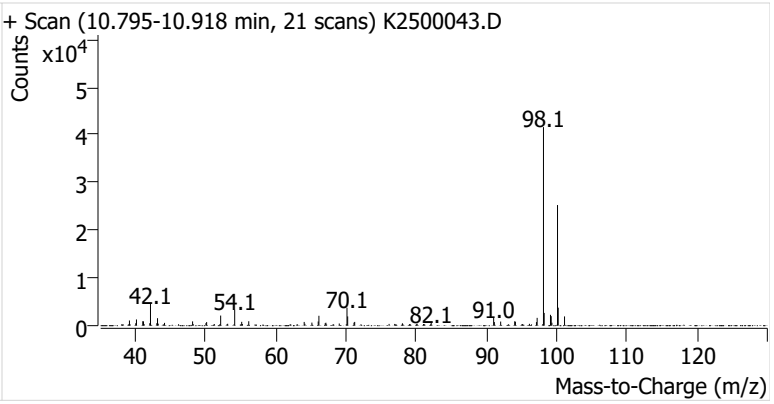
Benzene



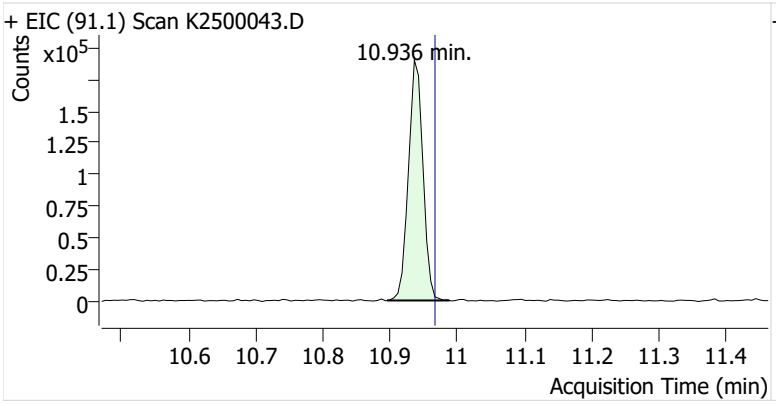


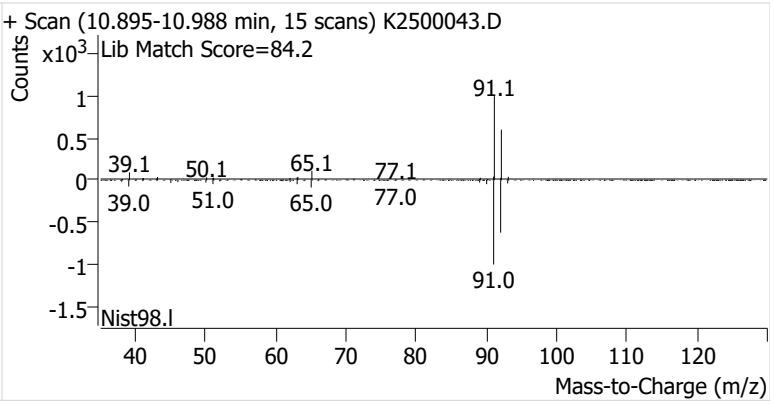
Toluene-d8 (IS)



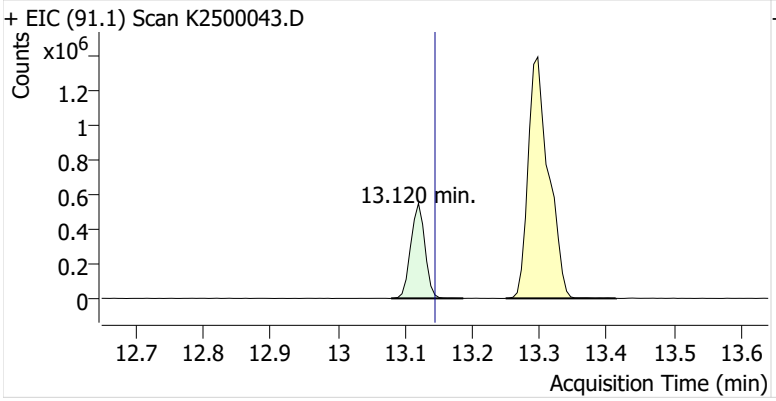


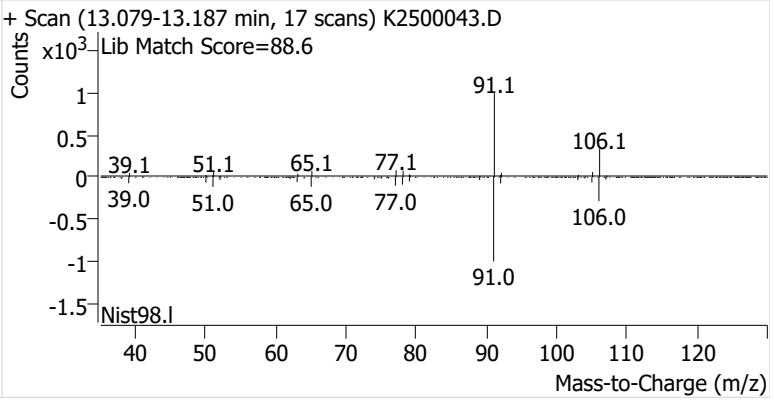
Toluene



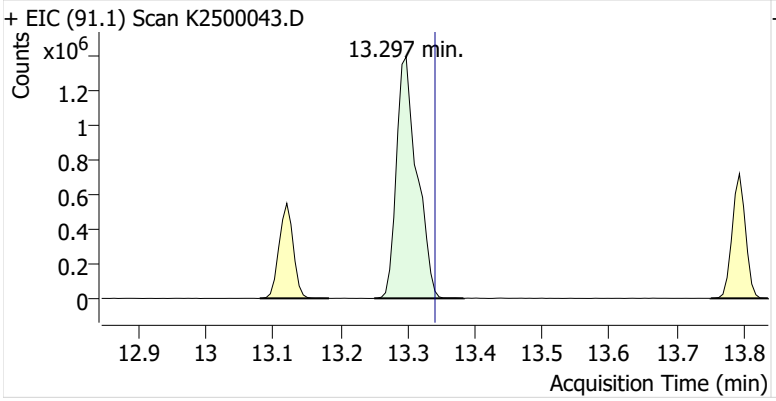


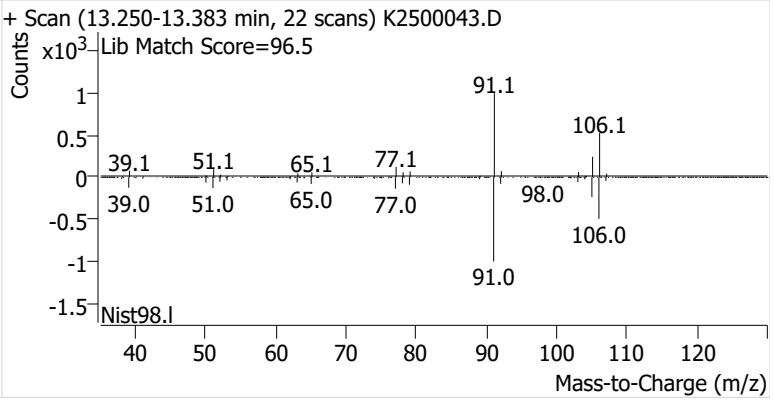
Ethylbenzene



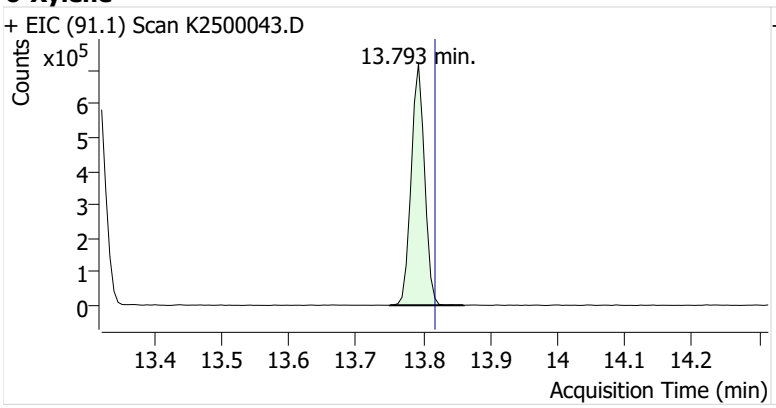


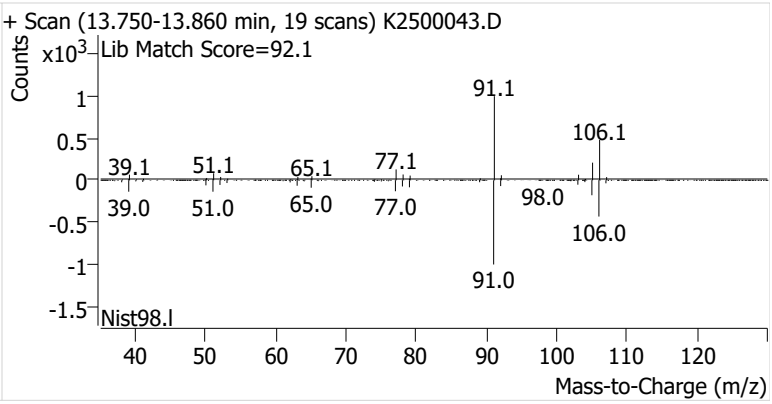
m-/p-Xylenes





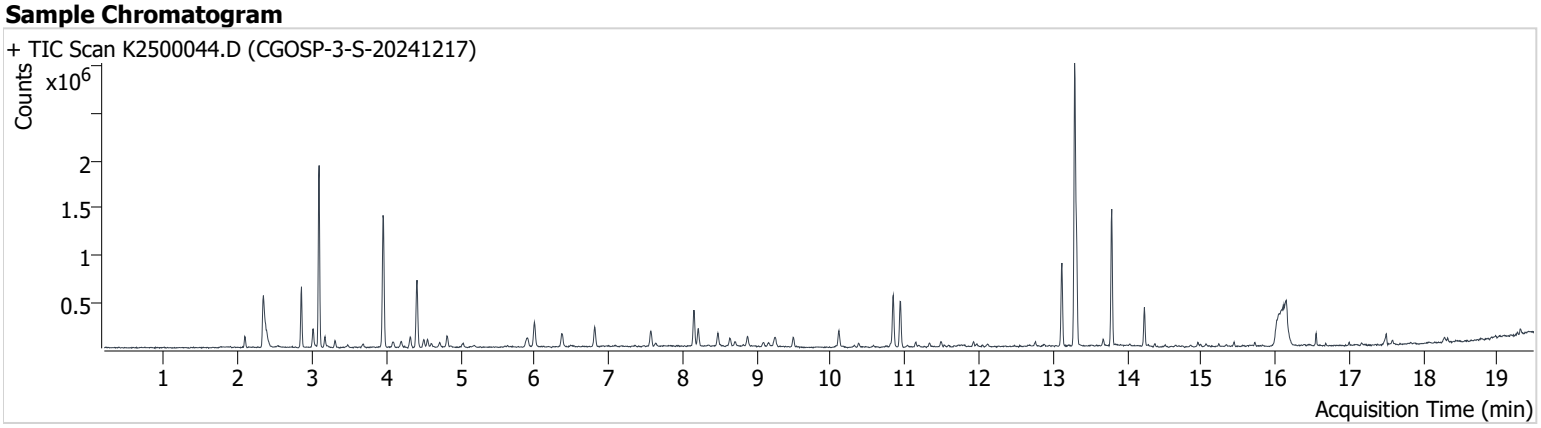
o-Xylene


+ EIC (91.1) Scan K2500043.D
Counts
x10^5
13.793 min.
6
5
4
3
2
1
0
13.4
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
Acquisition Time (min)


+ Scan (13.750-13.860 min, 19 scans) K2500043.D
Counts
x10^3
Lib Match Score=92.1
91.1
106.1
39.1
51.1
65.1
77.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

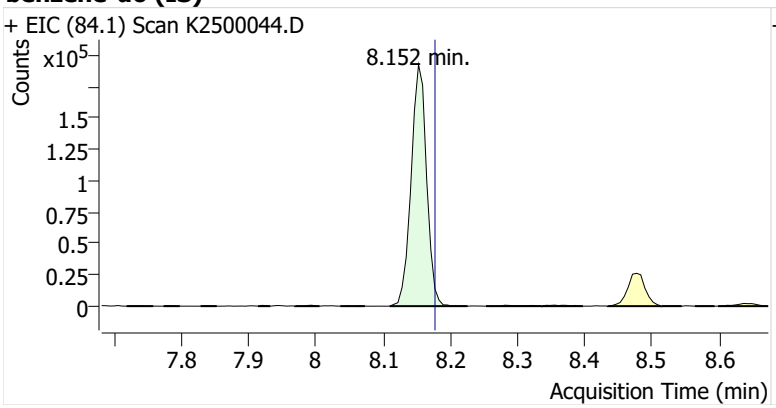
Name	CGOSP-3-S-20241217
Comment	C00606
Data File	K2500044.D
Acq. Date-Time	1/6/2025 6:14:50 PM
Acq. Method File	M325B-MTD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

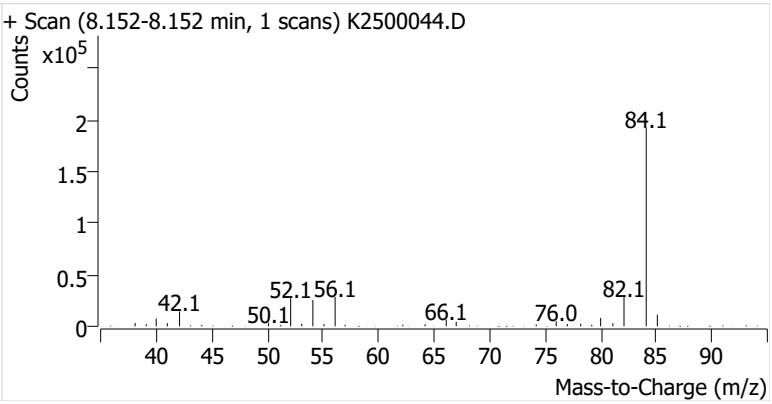
Sample Chromatogram



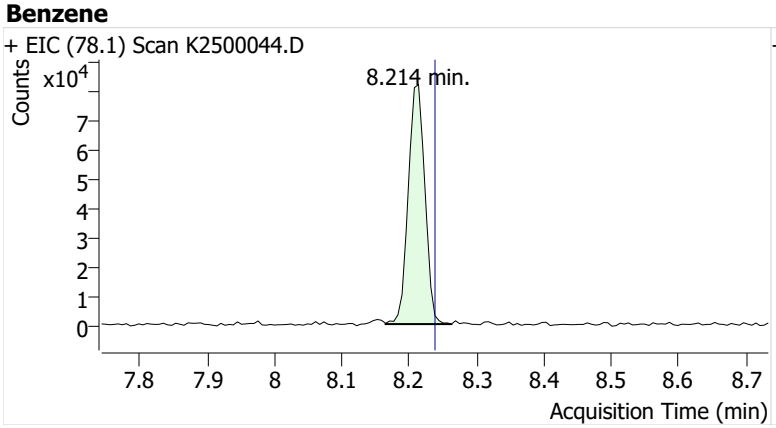
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.152	8.177	306,495	
Benzene	benzene-d6 (IS)	8.214	8.238	140,101	
Toluene-d8 (IS)		10.844	10.869	333,689	
Toluene	Toluene-d8 (IS)	10.942	10.967	306,979	
Ethylbenzene	Toluene-d8 (IS)	13.120	13.145	575,435	
m-/p-Xylenes	Toluene-d8 (IS)	13.291	13.340	2,086,513	
o-Xylene	Toluene-d8 (IS)	13.793	13.818	750,812	

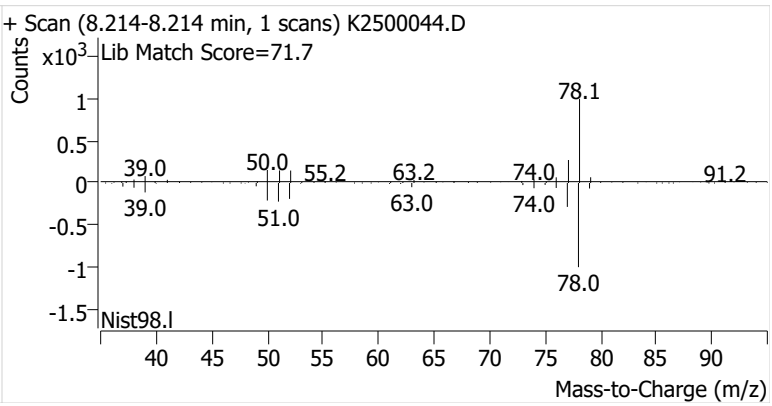
benzene-d6 (IS)



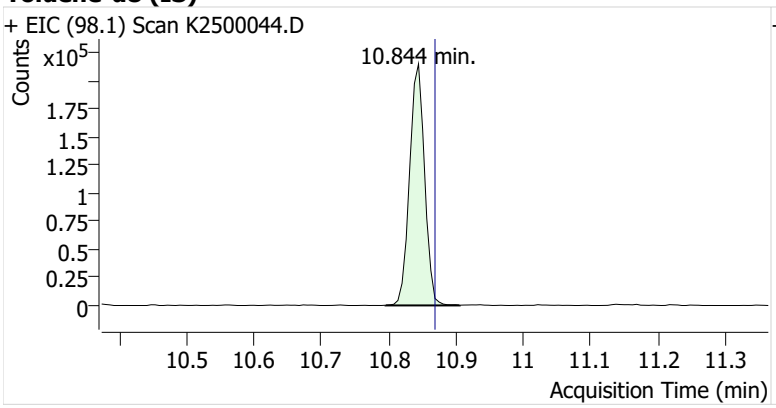


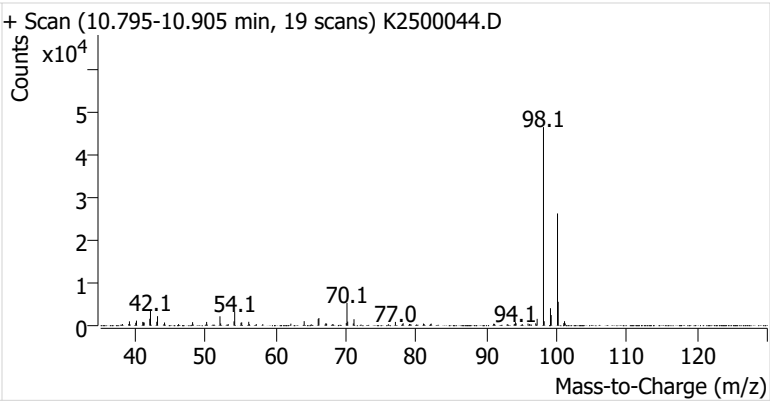
Benzene



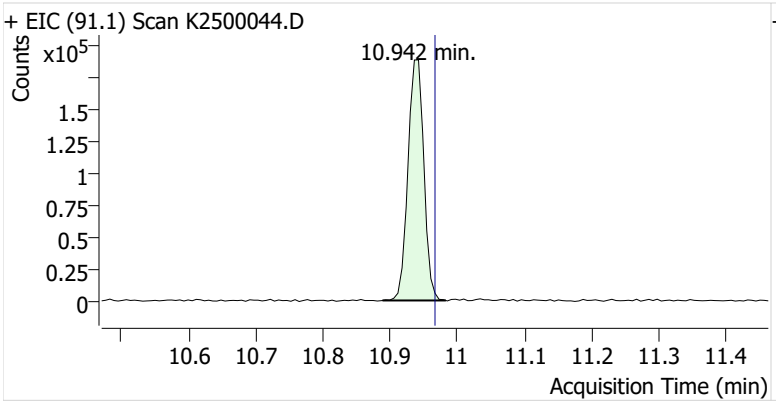


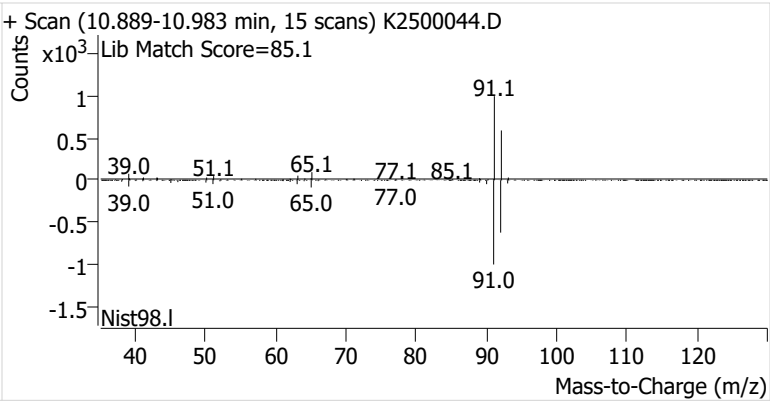
Toluene-d8 (IS)



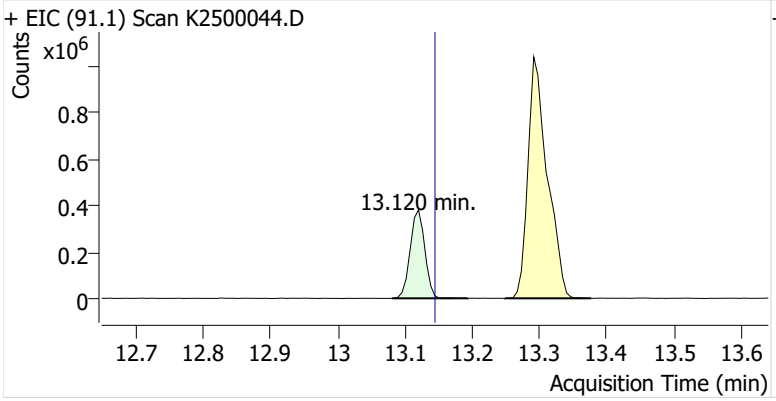


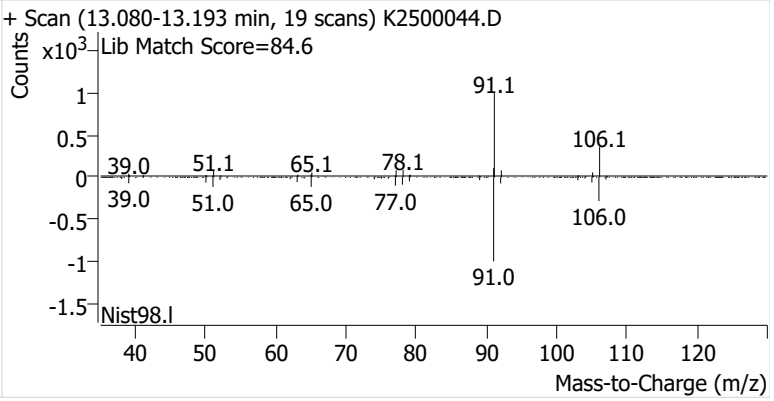
Toluene



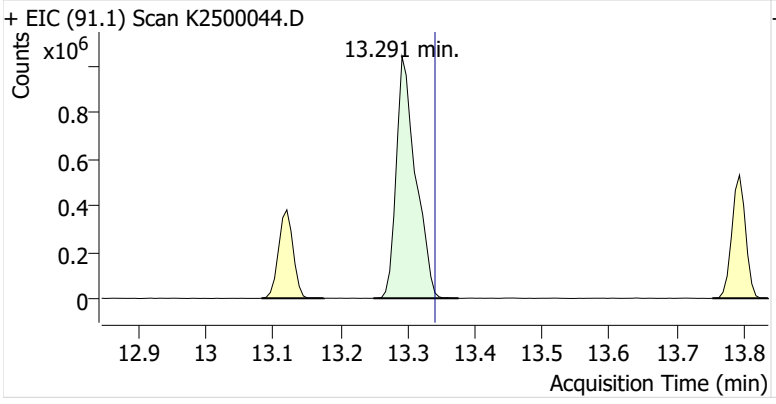


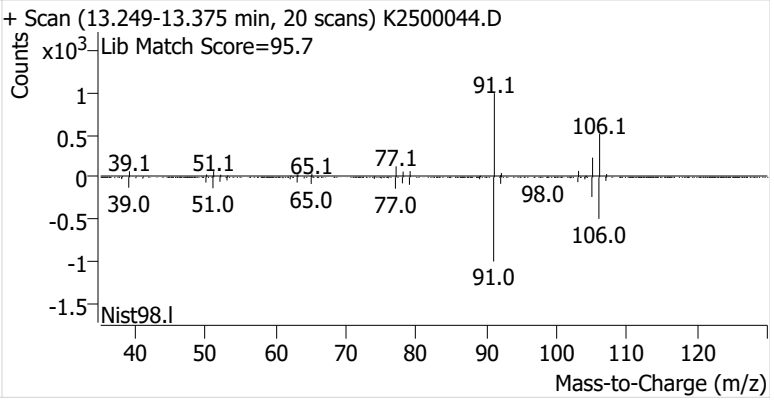
Ethylbenzene



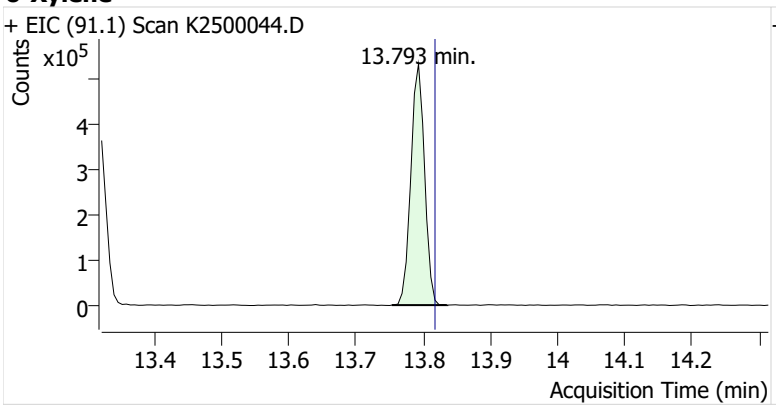


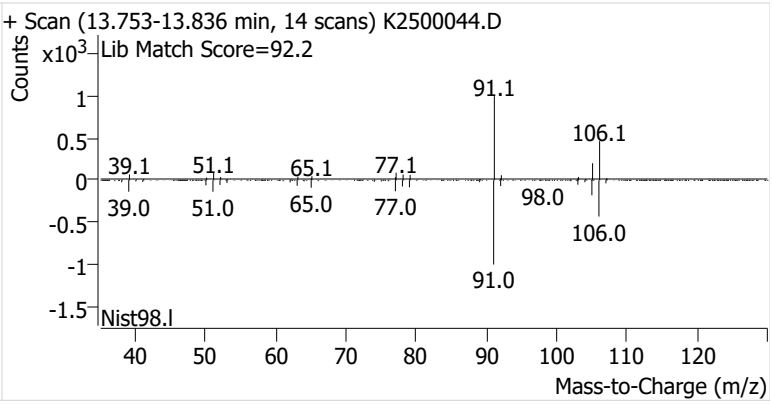
m-/p-Xylenes





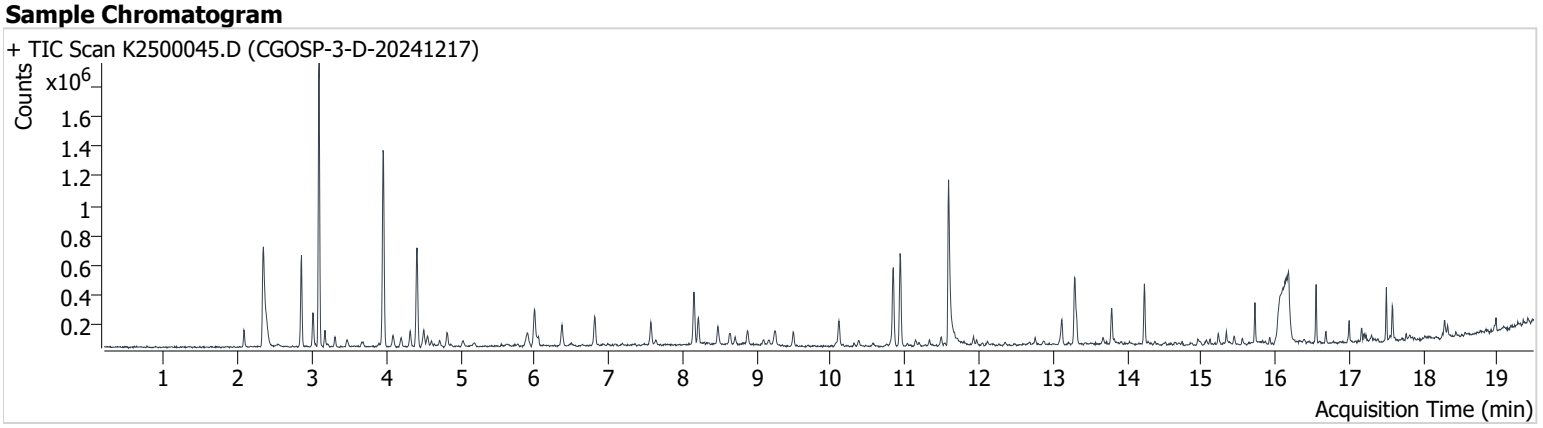
o-Xylene


+ EIC (91.1) Scan K2500044.D
Counts
x10^5
13.793 min.
4
3
2
1
0
13.4 13.5 13.6 13.7 13.8 13.9 14 14.1 14.2
Acquisition Time (min)


+ Scan (13.753-13.836 min, 14 scans) K2500044.D
Counts
x10^3
Lib Match Score=92.2
1
0.5
0
-0.5
-1
-1.5
91.1
106.1
39.1
51.1
65.1
77.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

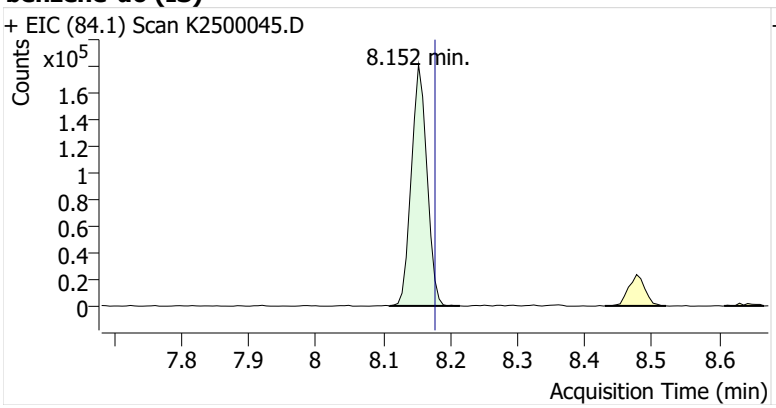
Name	CGOSP-3-D-20241217
Comment	C40522
Data File	K2500045.D
Acq. Date-Time	1/6/2025 6:42:22 PM
Acq. Method File	M325B-MTD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

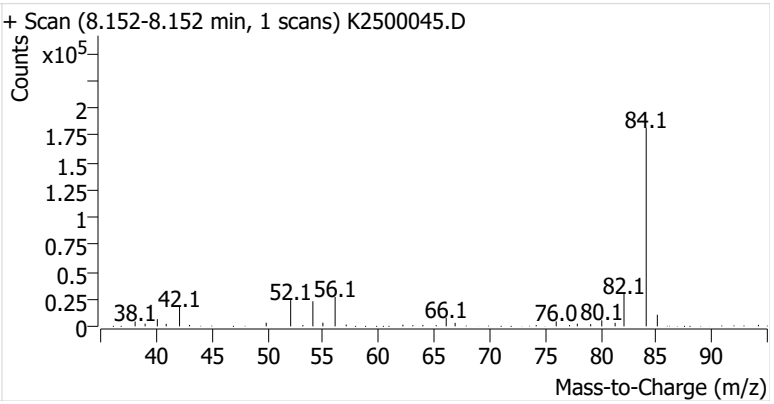
Sample Chromatogram



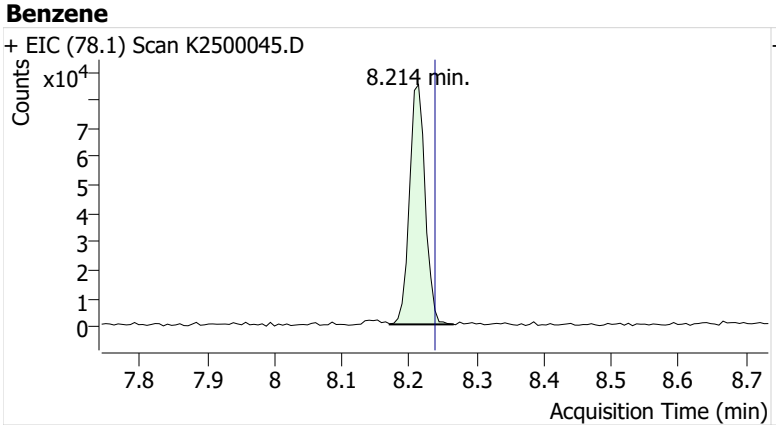
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.152	8.177	293,275	
Benzene	benzene-d6 (IS)	8.214	8.238	137,625	
Toluene-d8 (IS)		10.844	10.869	338,886	
Toluene	Toluene-d8 (IS)	10.936	10.967	406,758	
Ethylbenzene	Toluene-d8 (IS)	13.120	13.145	103,813	
m-/p-Xylenes	Toluene-d8 (IS)	13.291	13.340	334,818	
o-Xylene	Toluene-d8 (IS)	13.793	13.818	119,516	

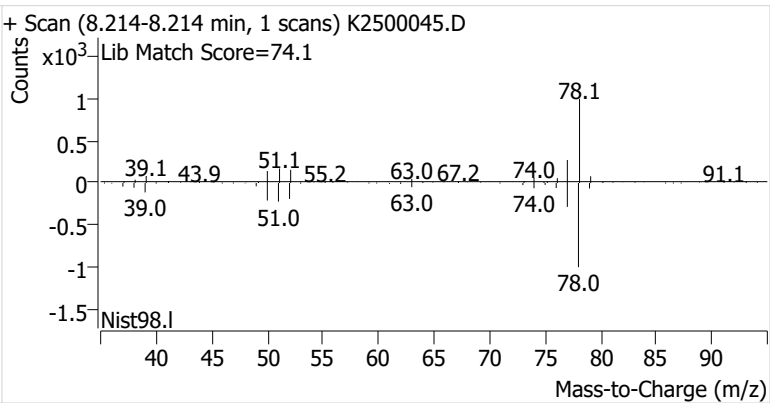
benzene-d6 (IS)



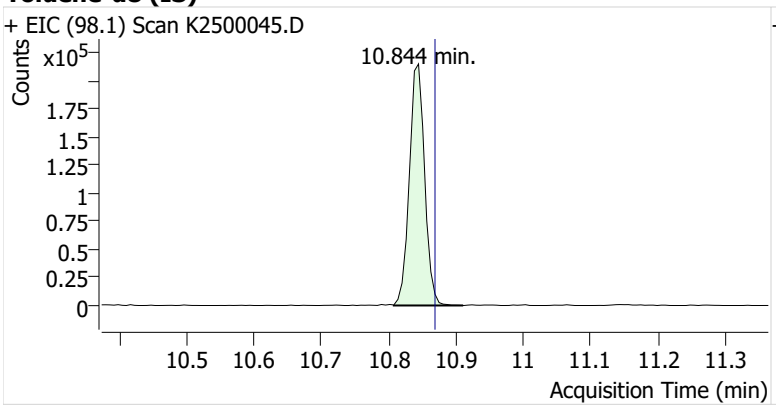


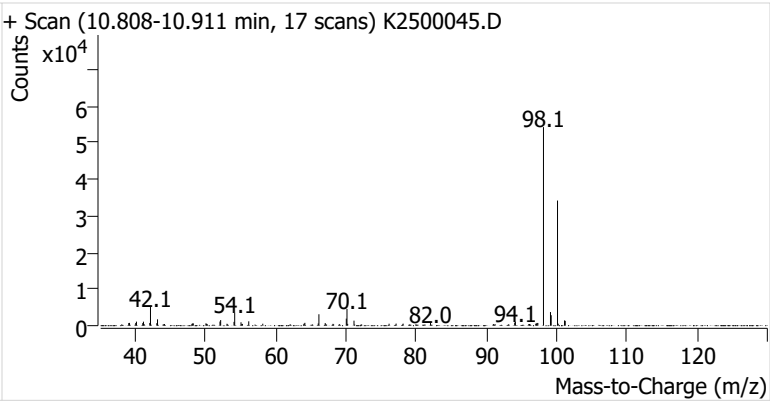
Benzene



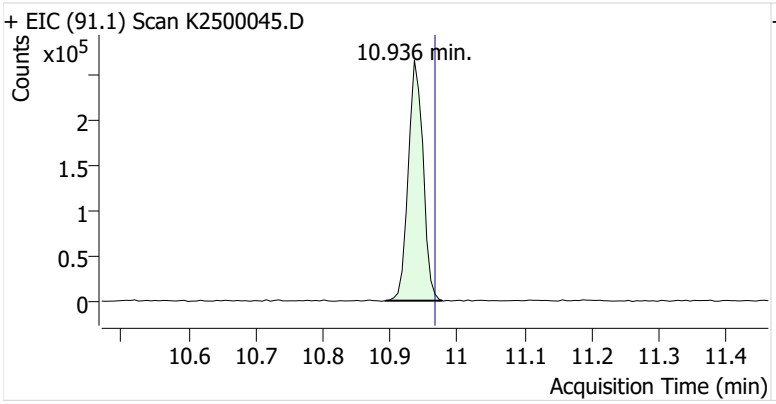


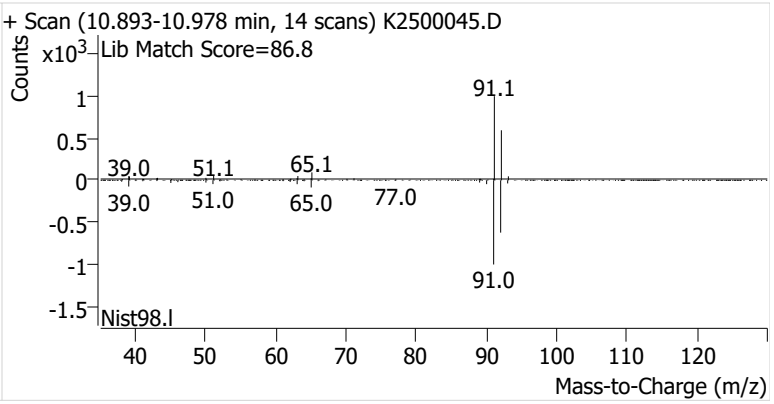
Toluene-d8 (IS)



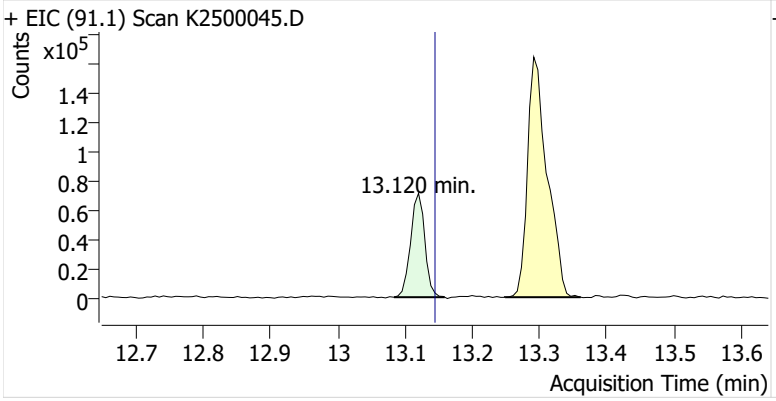


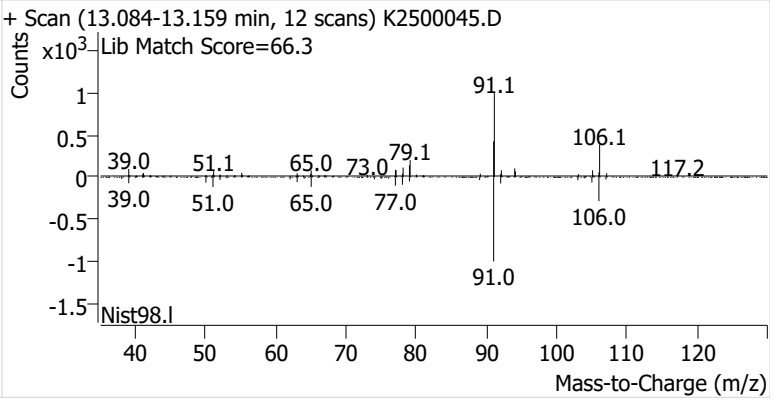
Toluene



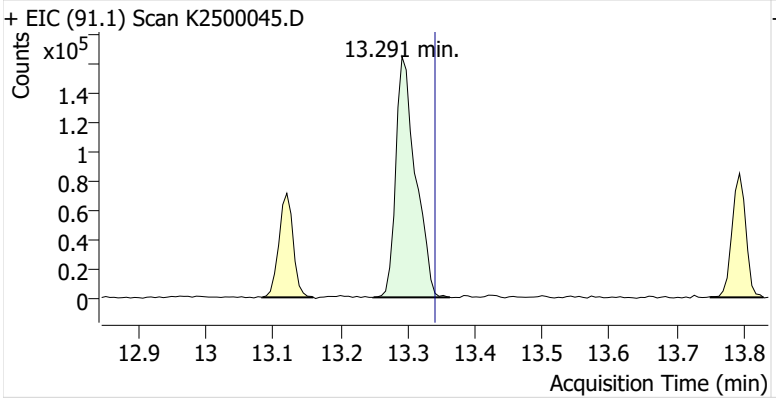


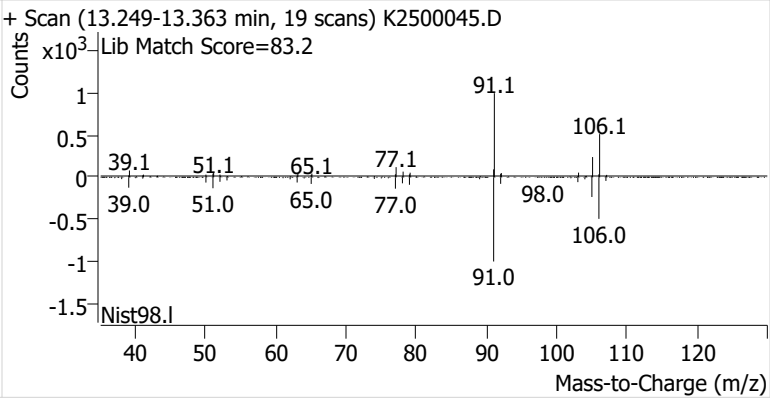
Ethylbenzene



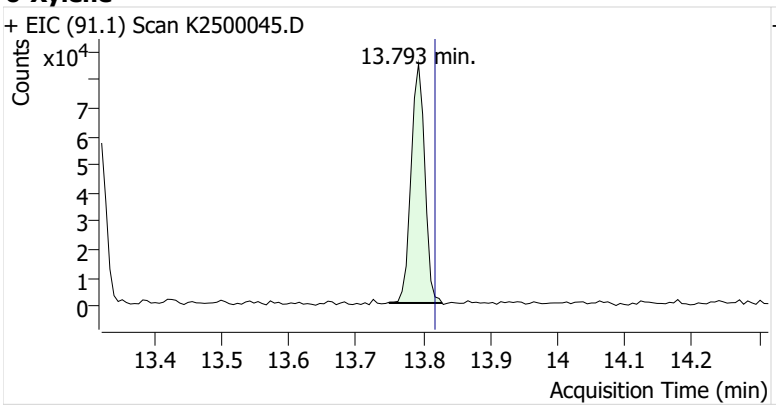


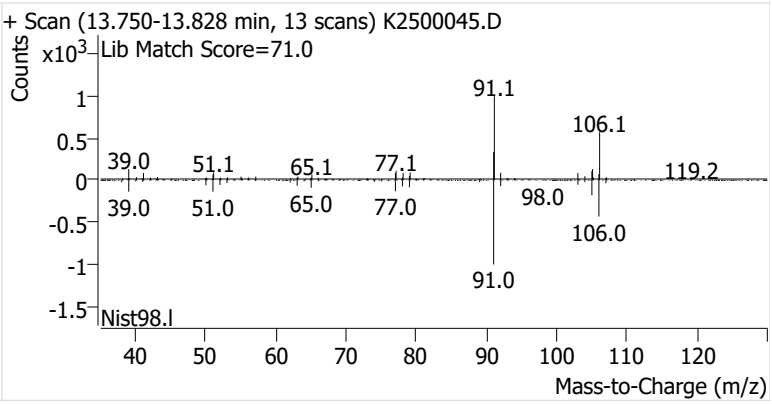
m-/p-Xylenes





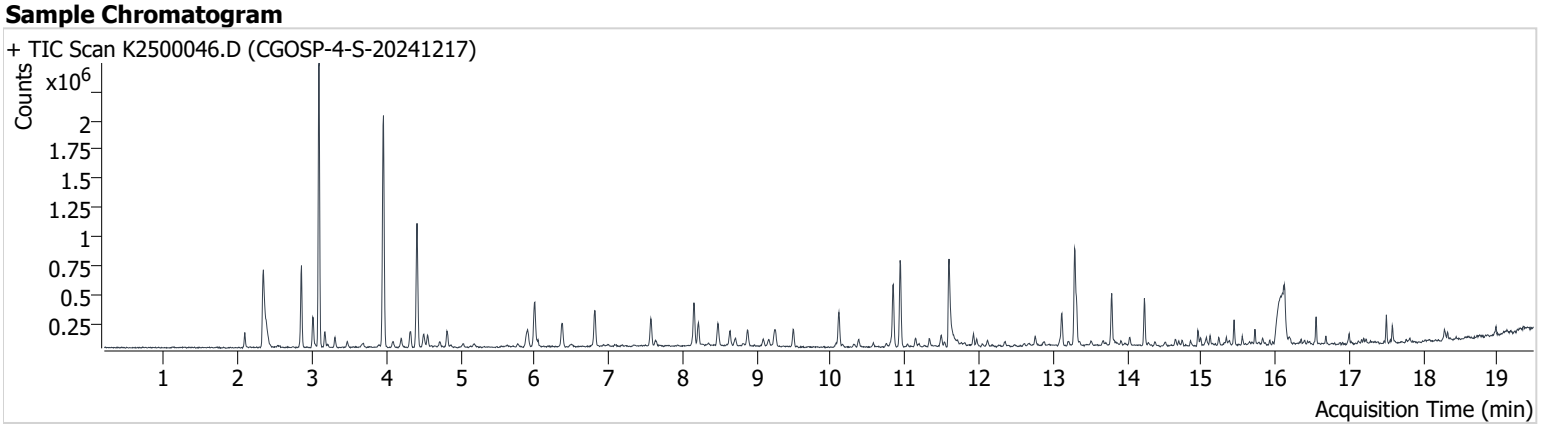
o-Xylene


+ EIC (91.1) Scan K2500045.D
Counts
x10^4
13.793 min.
Acquisition Time (min)


+ Scan (13.750-13.828 min, 13 scans) K2500045.D
Counts
x10^3
Lib Match Score=71.0
91.1
106.1
39.0
51.1
65.1
77.1
119.2
98.0
106.0
91.0
Nist98.l
Mass-to-Charge (m/z)

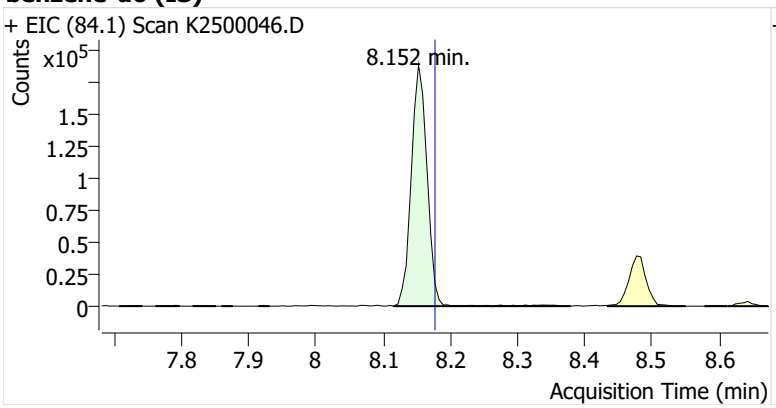
Name	CGOSP-4-S-20241217
Comment	C35709
Data File	K2500046.D
Acq. Date-Time	1/6/2025 7:09:56 PM
Acq. Method File	M325B-MTD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

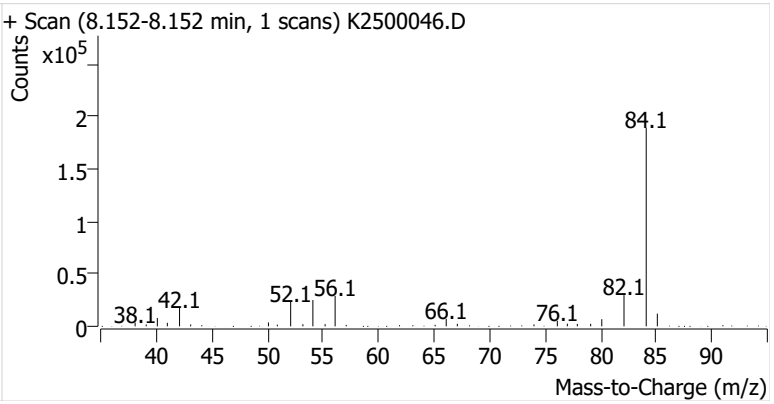
Sample Chromatogram



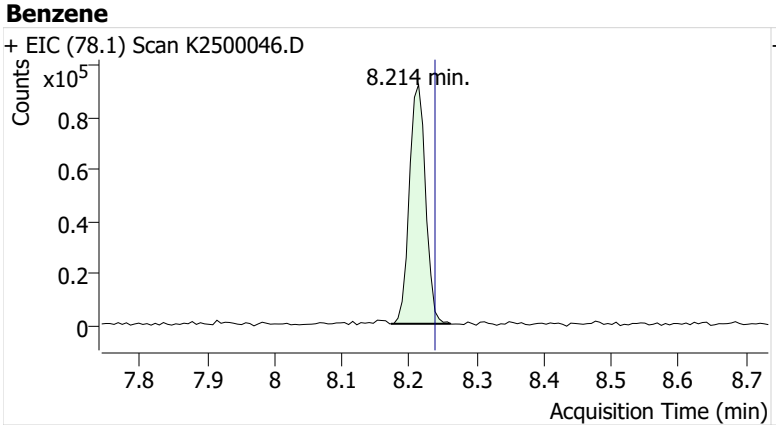
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.152	8.177	307,529	
Benzene	benzene-d6 (IS)	8.214	8.238	153,572	
Toluene-d8 (IS)		10.844	10.869	332,085	
Toluene	Toluene-d8 (IS)	10.936	10.967	478,453	
Ethylbenzene	Toluene-d8 (IS)	13.120	13.145	175,546	
m-/p-Xylenes	Toluene-d8 (IS)	13.291	13.340	625,304	
o-Xylene	Toluene-d8 (IS)	13.793	13.818	226,859	

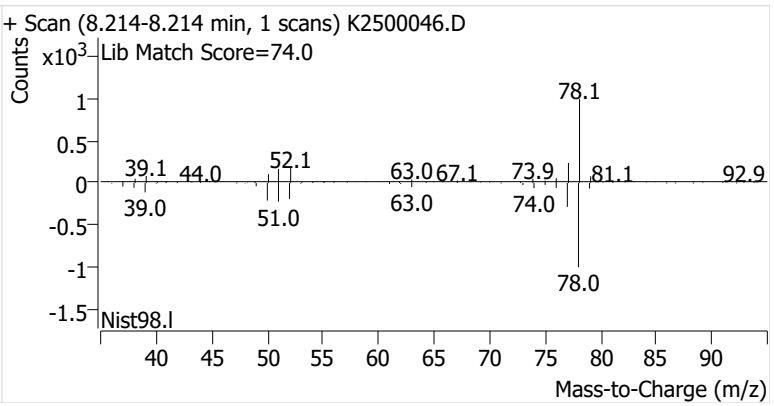
benzene-d6 (IS)



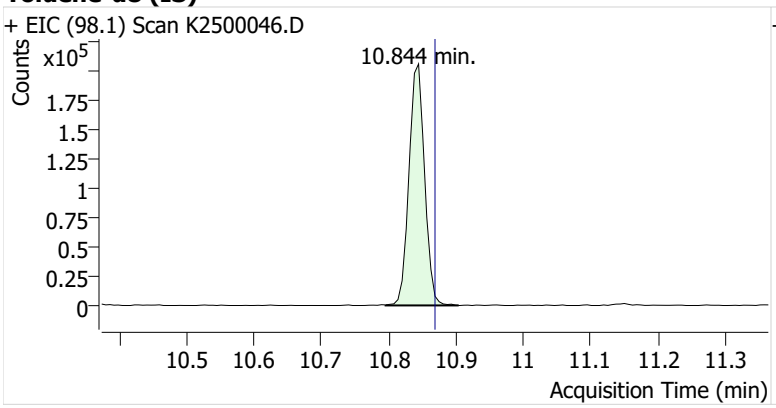


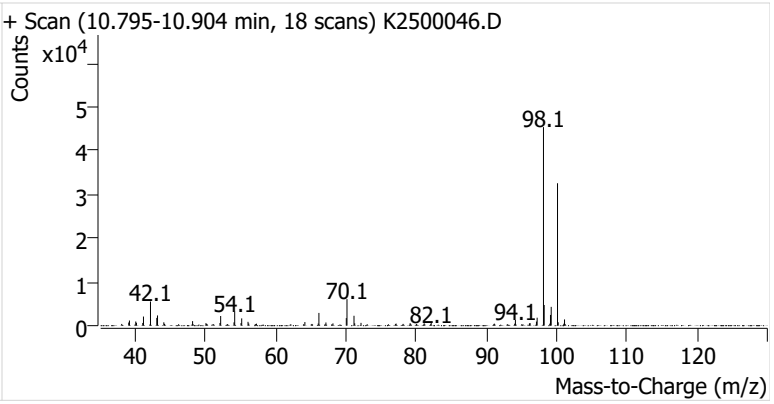
Benzene



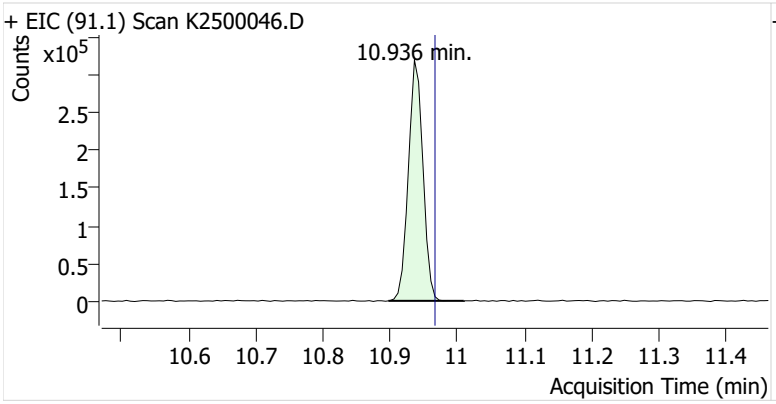


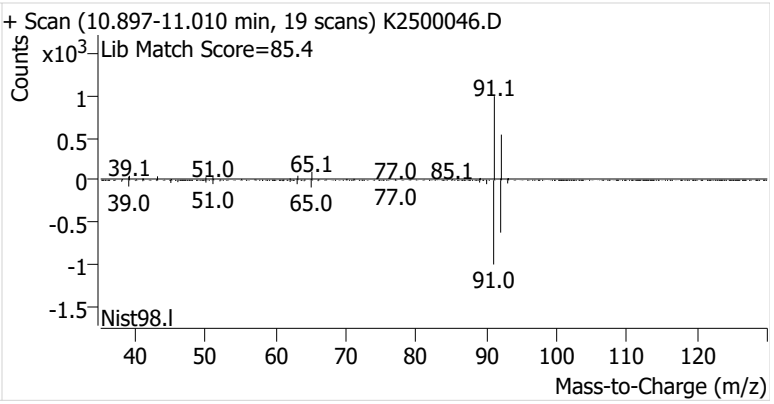
Toluene-d8 (IS)



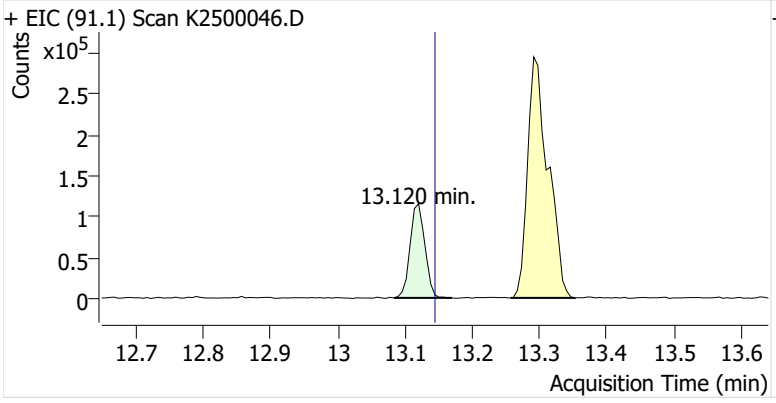


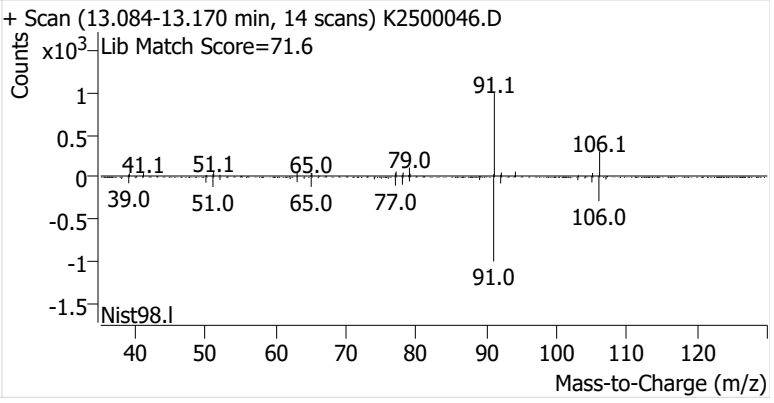
Toluene



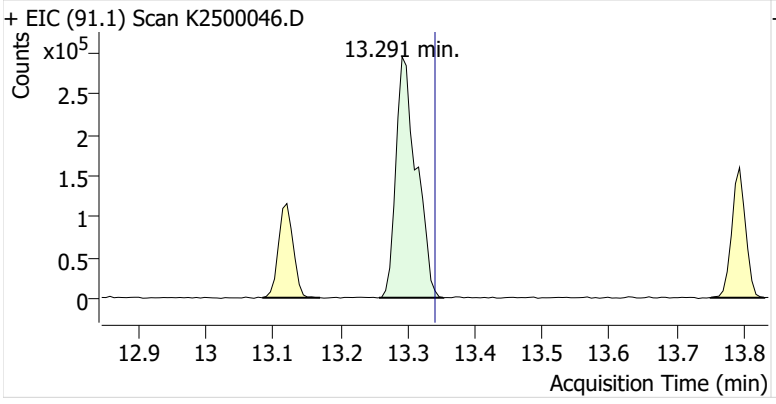


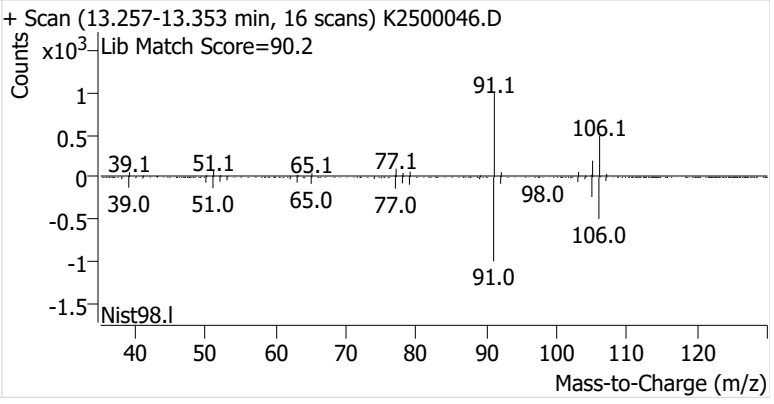
Ethylbenzene



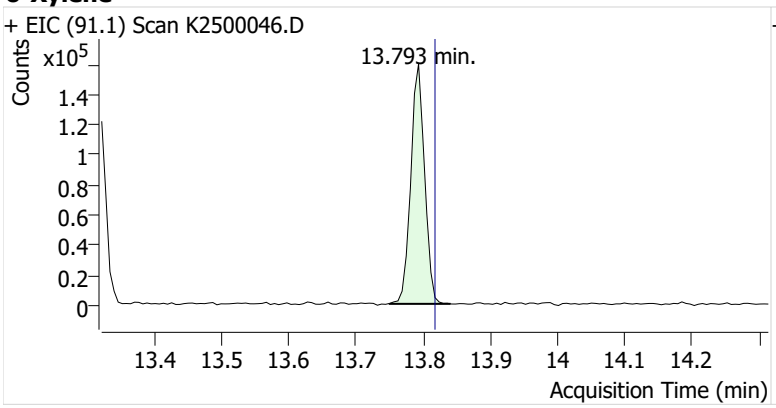


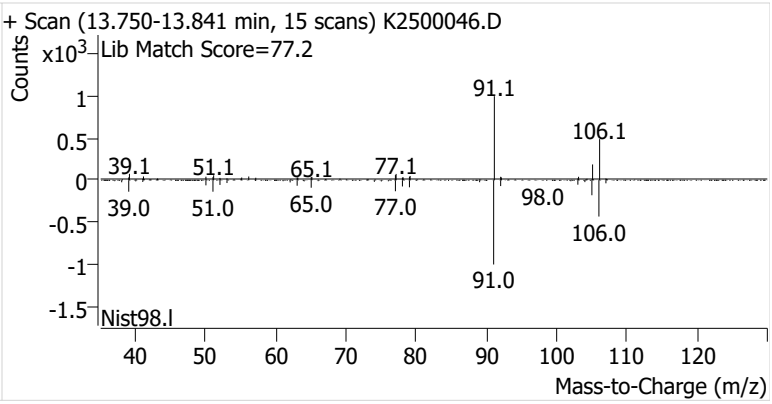
m-/p-Xylenes





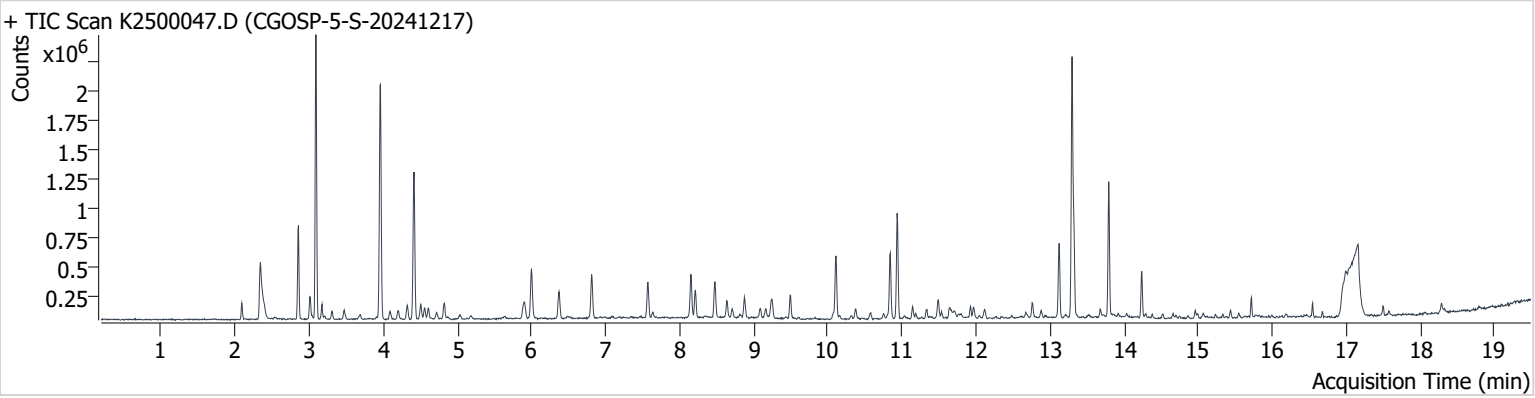
o-Xylene


+ EIC (91.1) Scan K2500046.D
Counts
x10^5
13.793 min.
1.4
1.2
1
0.8
0.6
0.4
0.2
0
13.4 13.5 13.6 13.7 13.8 13.9 14 14.1 14.2
Acquisition Time (min)


+ Scan (13.750-13.841 min, 15 scans) K2500046.D
Counts
x10^3
Lib Match Score=77.2
91.1
106.1
39.1
51.1
65.1
77.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

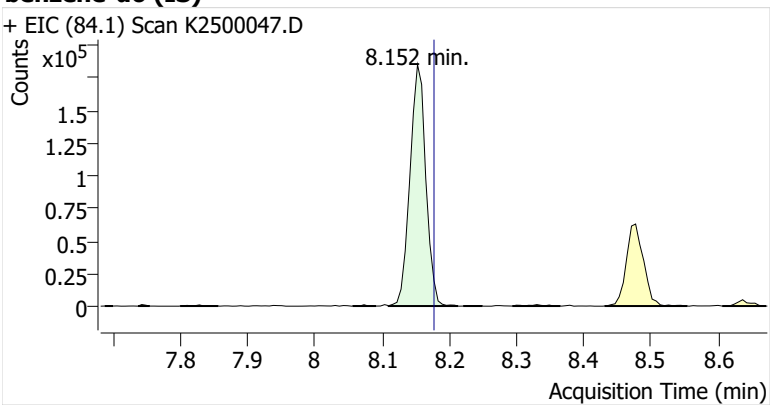
Name	CGOSP-5-S-20241217
Comment	B32917
Data File	K2500047.D
Acq. Date-Time	1/6/2025 7:37:26 PM
Acq. Method File	M325B-MTD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

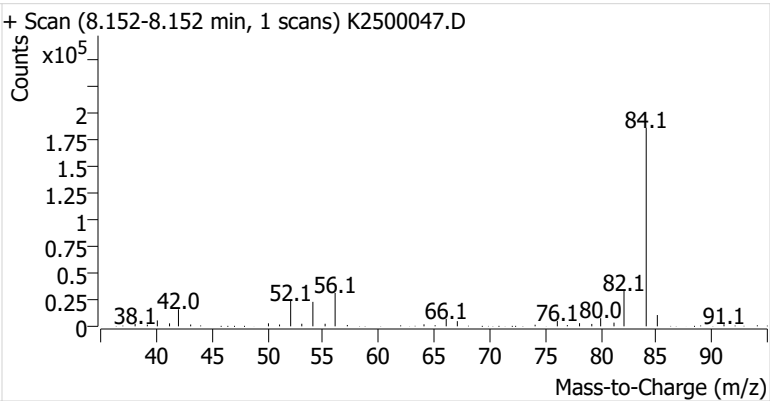
Sample Chromatogram



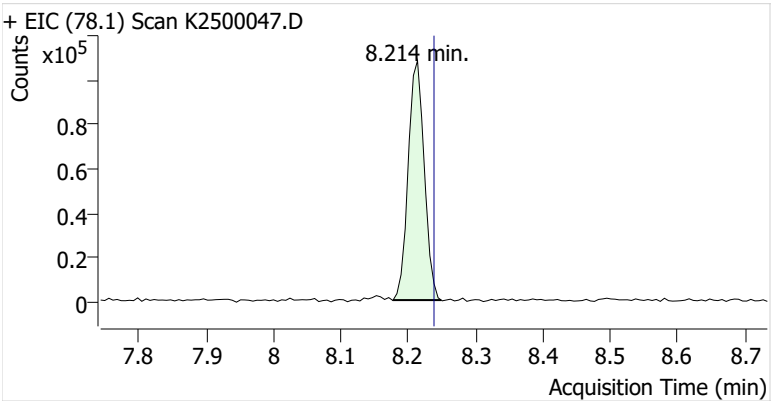
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.152	8.177	304,008	
Benzene	benzene-d6 (IS)	8.214	8.238	178,068	
Toluene-d8 (IS)		10.844	10.869	341,604	
Toluene	Toluene-d8 (IS)	10.936	10.967	585,503	
Ethylbenzene	Toluene-d8 (IS)	13.126	13.145	428,588	
m-/p-Xylenes	Toluene-d8 (IS)	13.298	13.340	1,522,751	
o-Xylene	Toluene-d8 (IS)	13.793	13.818	587,686	

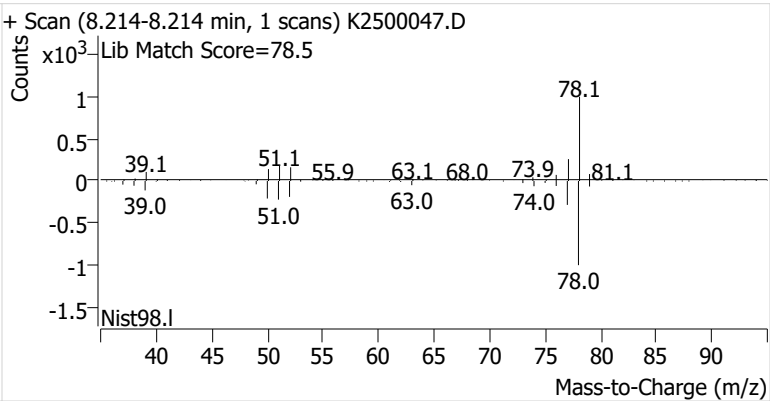
benzene-d6 (IS)



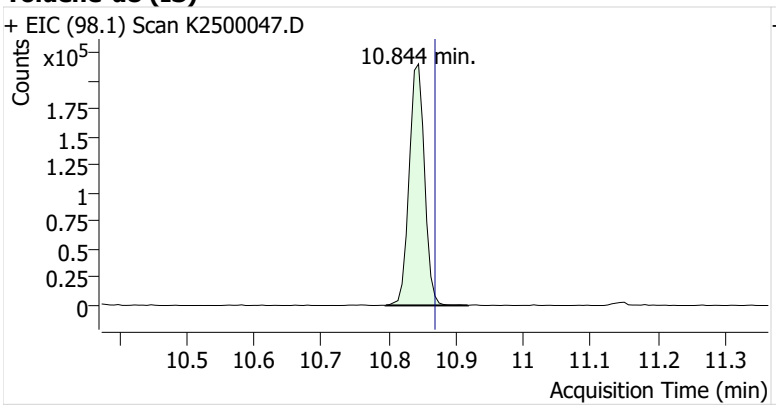


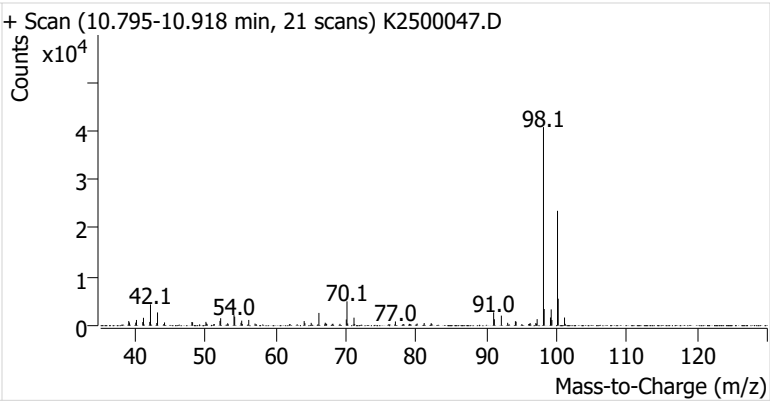
Benzene



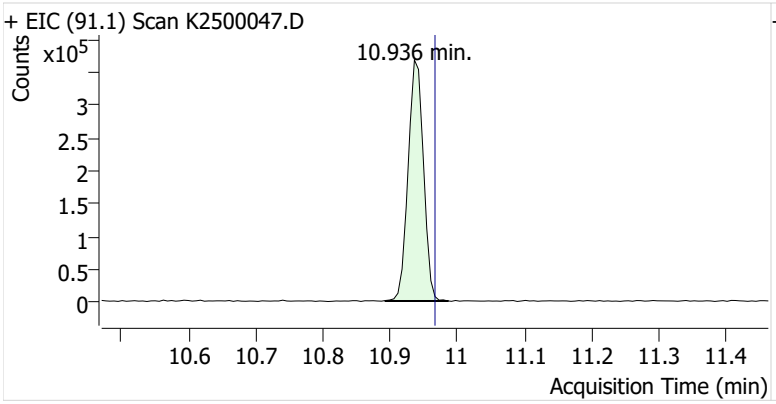


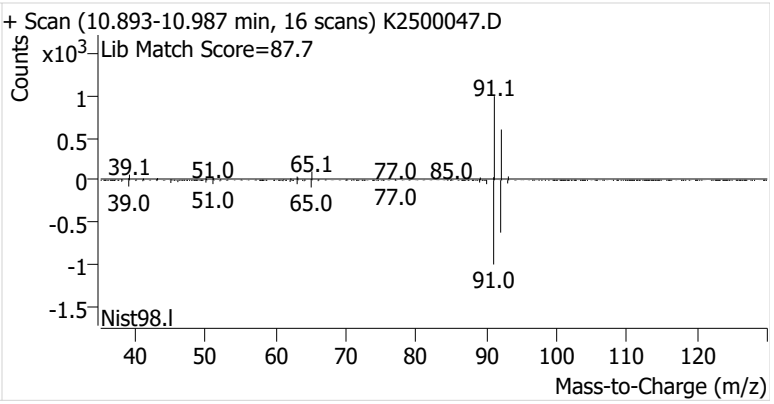
Toluene-d8 (IS)



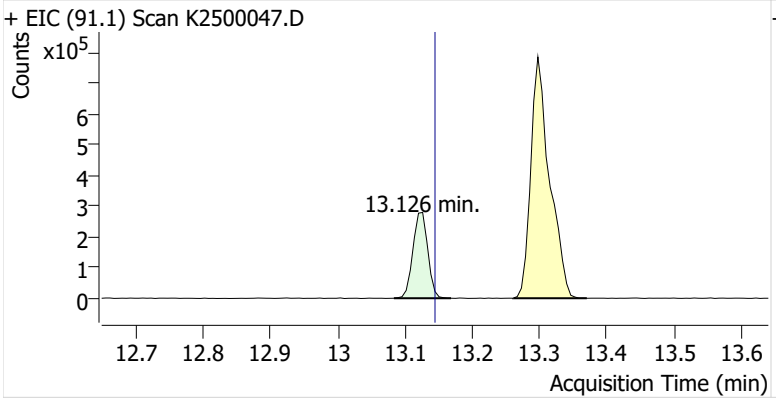


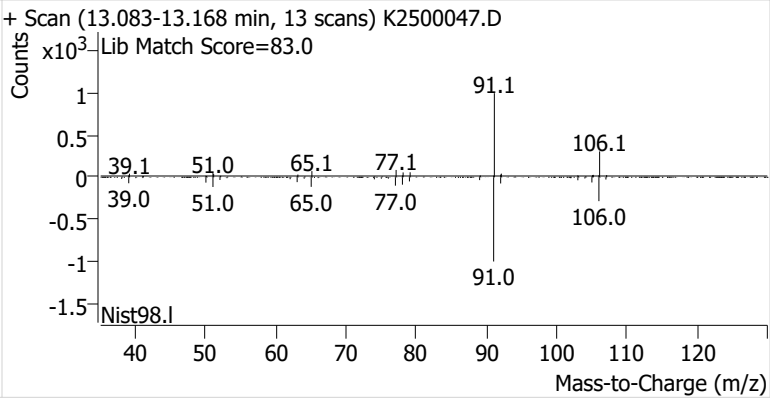
Toluene



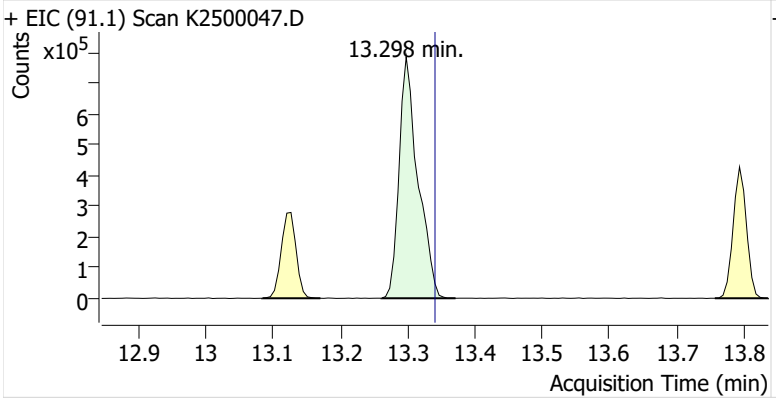


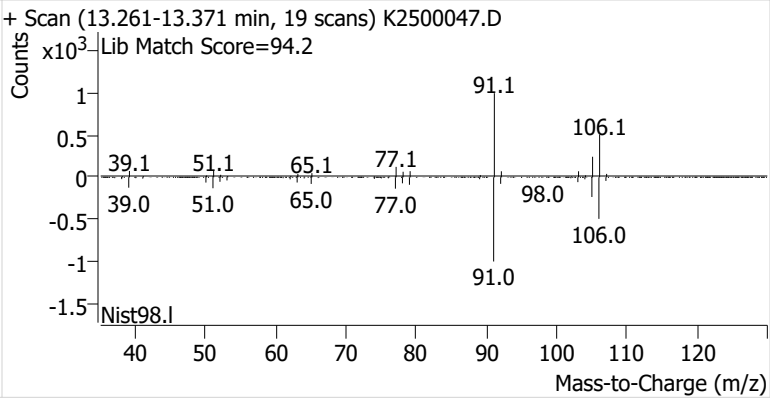
Ethylbenzene



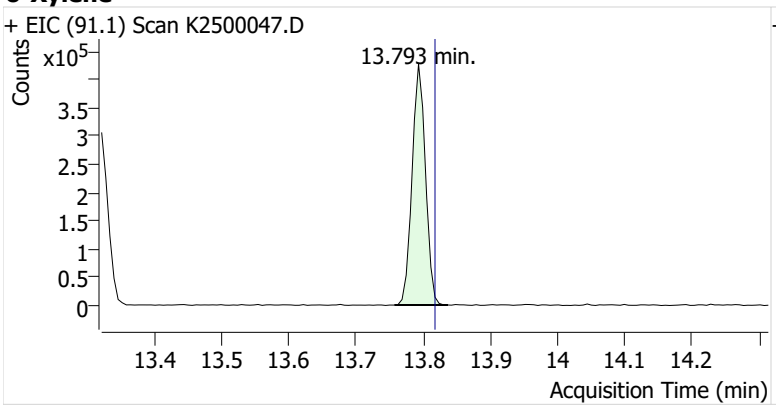


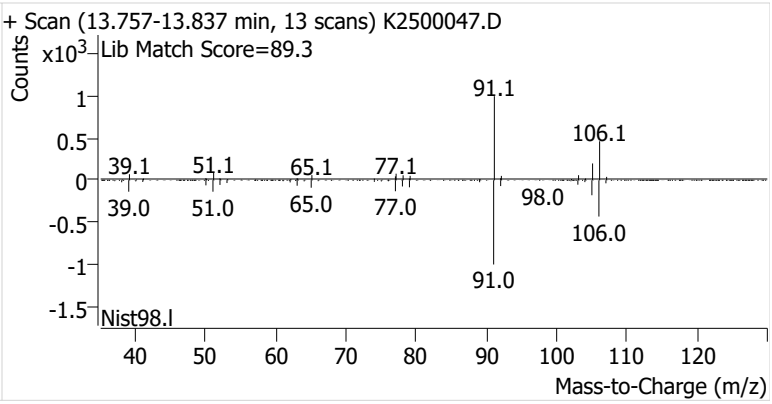
m-/p-Xylenes





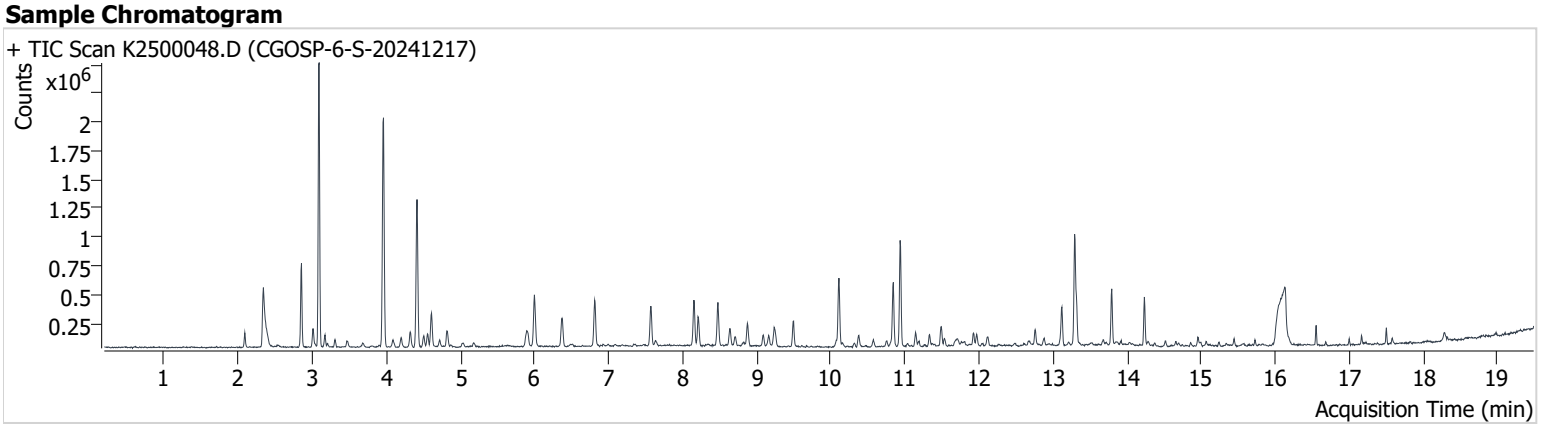
o-Xylene


+ EIC (91.1) Scan K2500047.D
Counts
x10^5
13.793 min.
3.5
3
2.5
2
1.5
1
0.5
0
13.4 13.5 13.6 13.7 13.8 13.9 14 14.1 14.2
Acquisition Time (min)


+ Scan (13.757-13.837 min, 13 scans) K2500047.D
Counts
x10^3
Lib Match Score=89.3
91.1
106.1
39.1
51.1
65.1
77.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

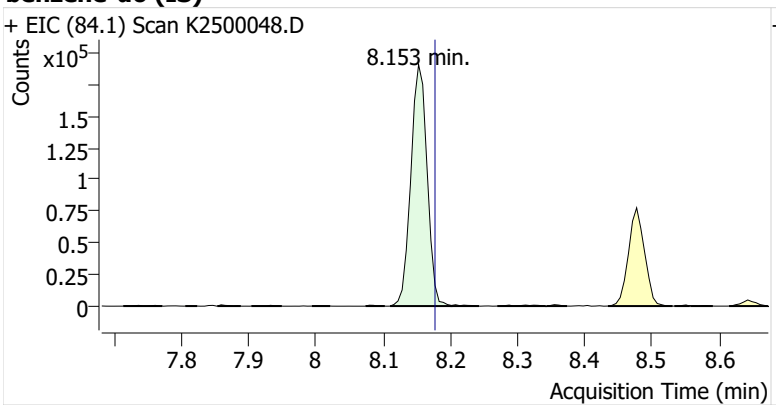
Name	CGOSP-6-S-20241217
Comment	B15116
Data File	K2500048.D
Acq. Date-Time	1/6/2025 8:05:53 PM
Acq. Method File	M325B-MTD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

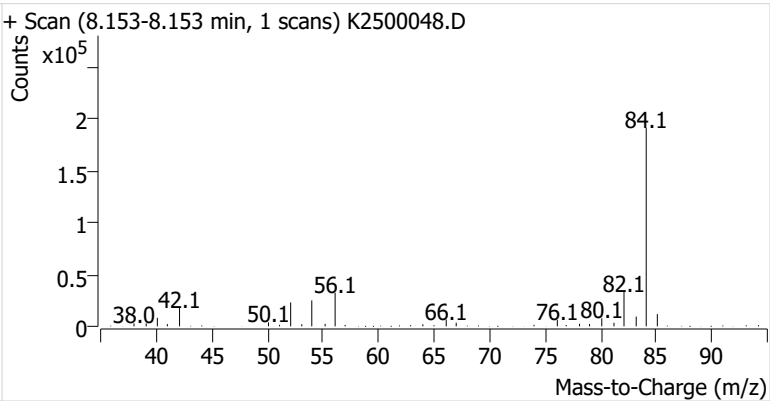
Sample Chromatogram



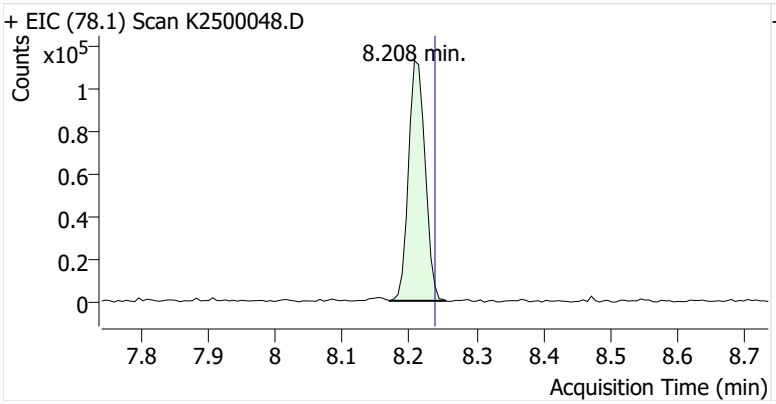
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.153	8.177	320,534	
Benzene	benzene-d6 (IS)	8.208	8.238	193,136	
Toluene-d8 (IS)		10.844	10.869	334,961	
Toluene	Toluene-d8 (IS)	10.936	10.967	593,220	
Ethylbenzene	Toluene-d8 (IS)	13.120	13.145	208,978	
m-/p-Xylenes	Toluene-d8 (IS)	13.291	13.340	680,286	
o-Xylene	Toluene-d8 (IS)	13.793	13.818	242,528	

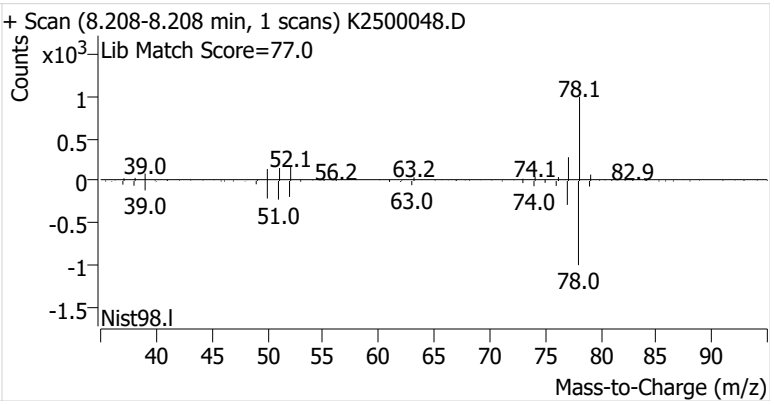
benzene-d6 (IS)



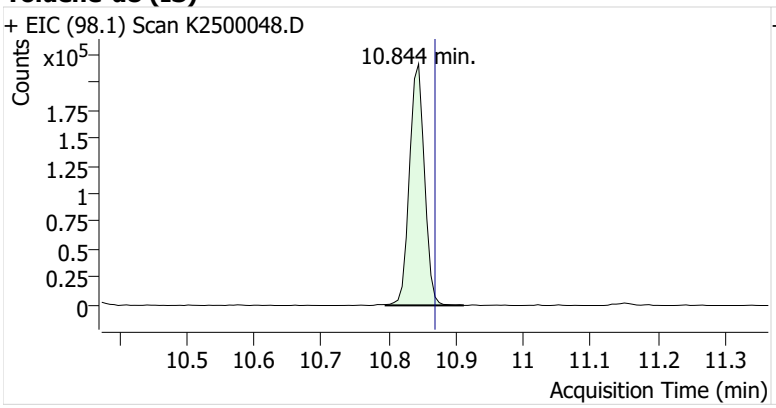


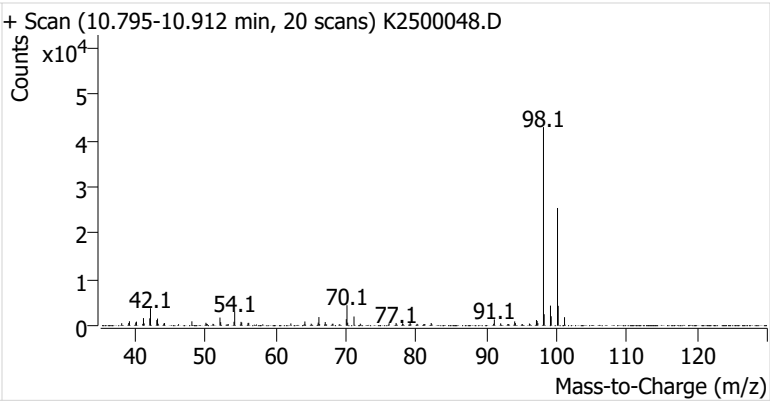
Benzene



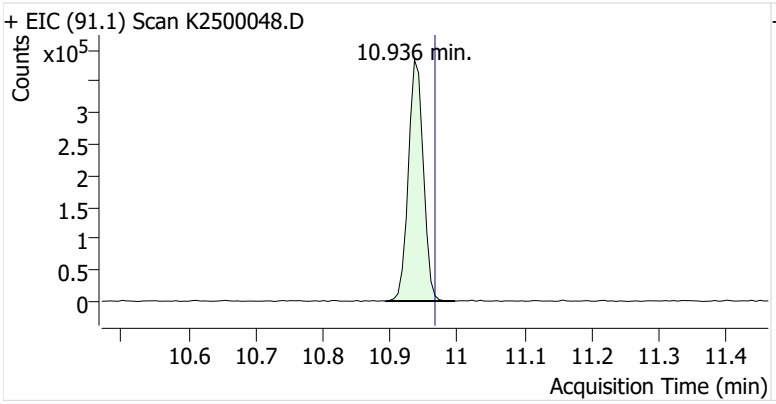


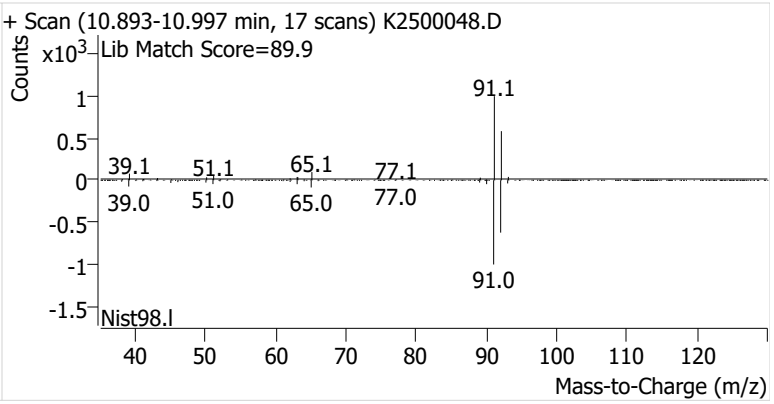
Toluene-d8 (IS)



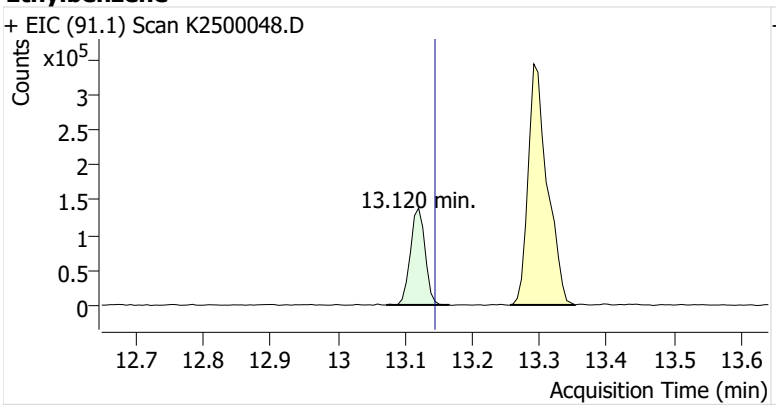


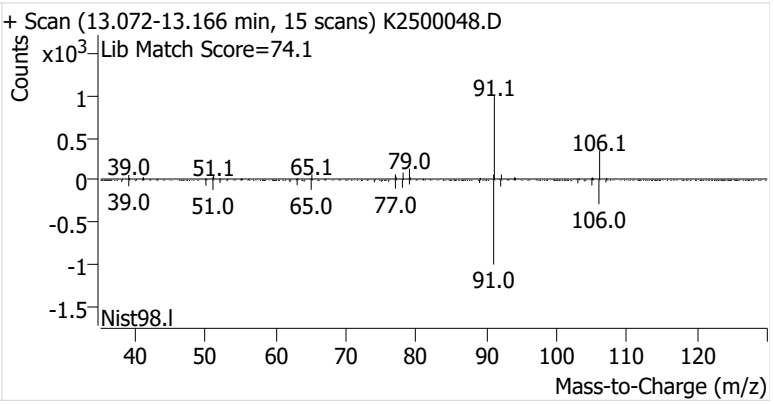
Toluene



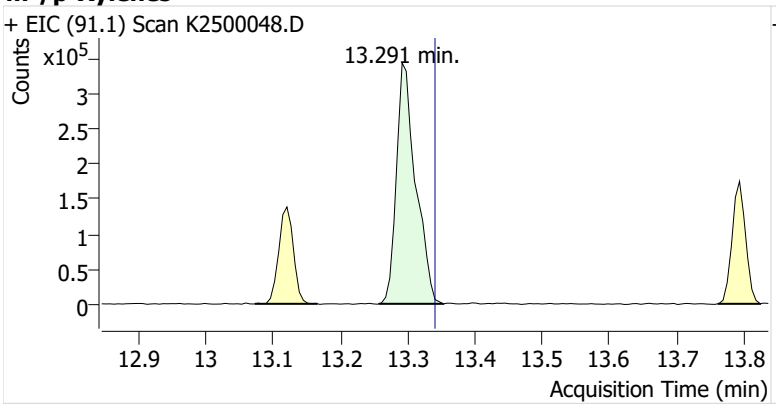


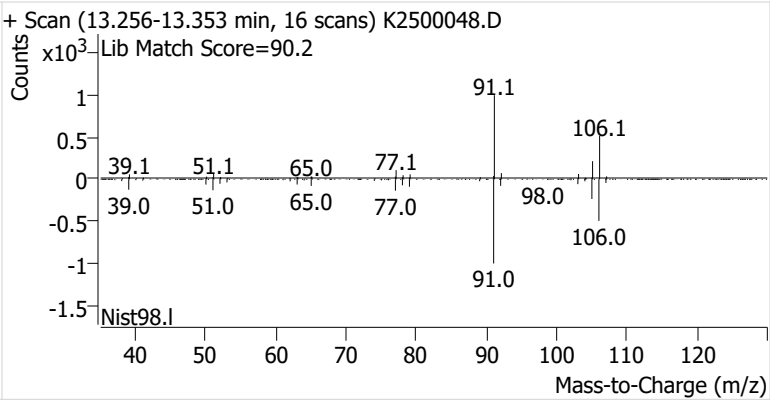
Ethylbenzene



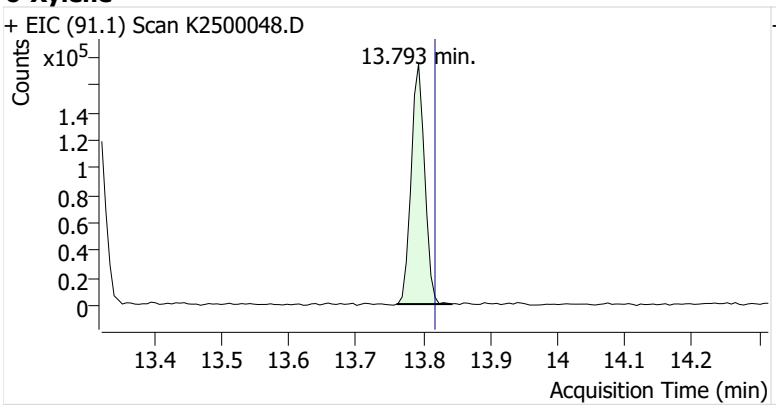


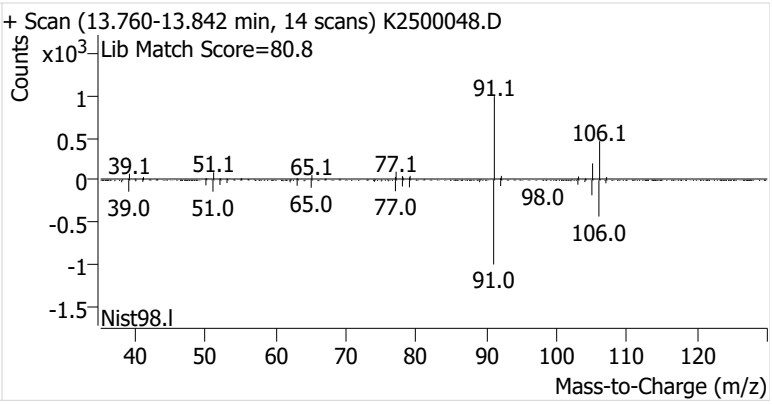
m-/p-Xylenes





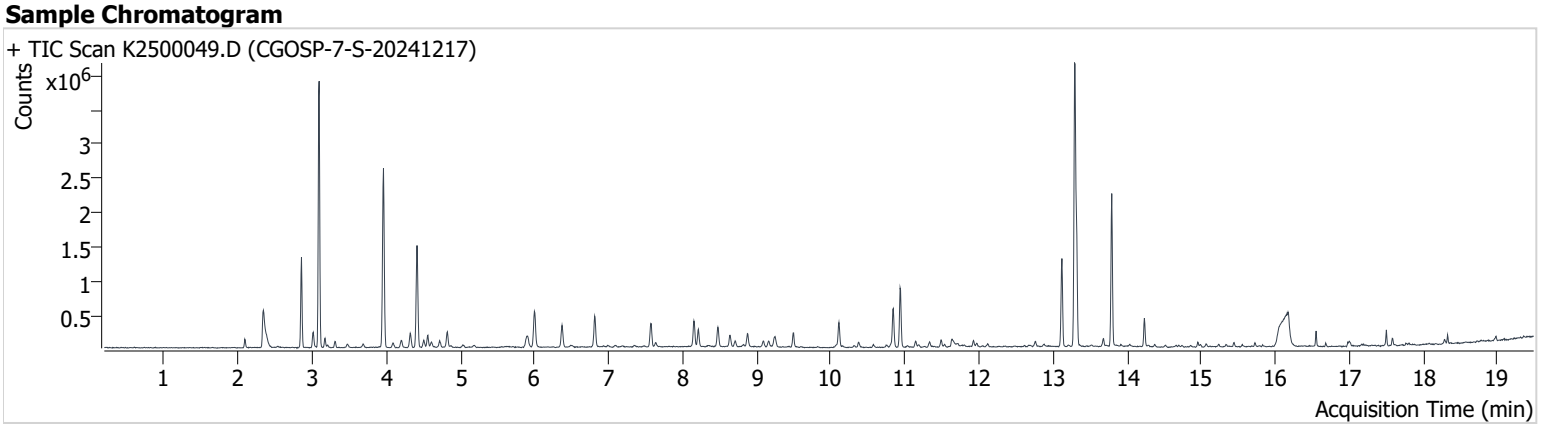
o-Xylene


+ EIC (91.1) Scan K2500048.D
Counts
x10^5
13.793 min.
1.4
1.2
1
0.8
0.6
0.4
0.2
0
13.4 13.5 13.6 13.7 13.8 13.9 14 14.1 14.2
Acquisition Time (min)


+ Scan (13.760-13.842 min, 14 scans) K2500048.D
Counts
x10^3
Lib Match Score=80.8
91.1
106.1
39.1
51.1
65.1
77.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

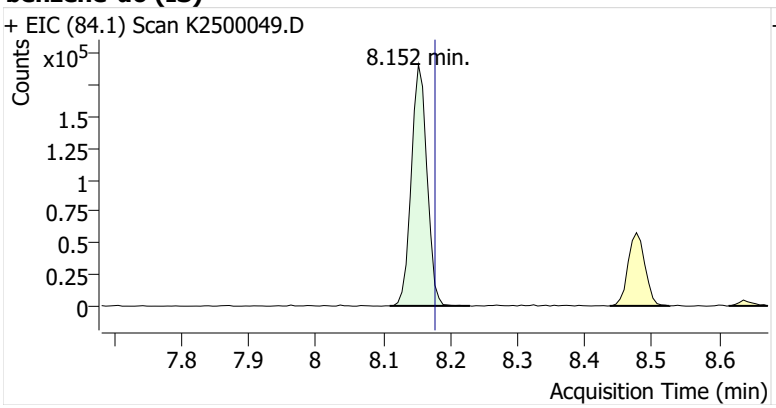
Name	CGOSP-7-S-20241217
Comment	B52914
Data File	K2500049.D
Acq. Date-Time	1/6/2025 8:33:24 PM
Acq. Method File	M325B-MTD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

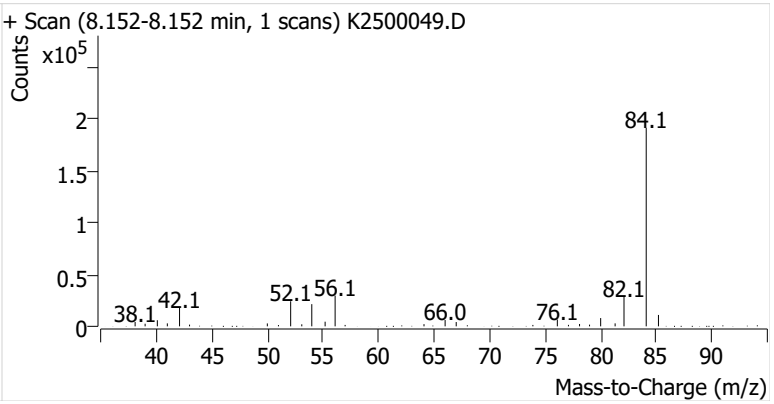
Sample Chromatogram



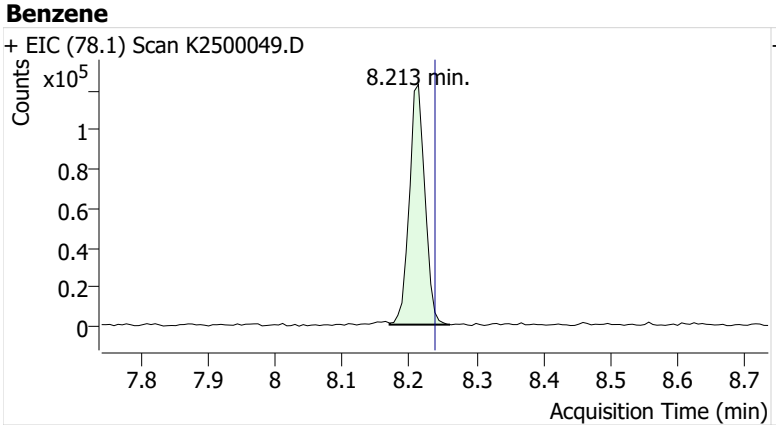
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.152	8.177	310,435	
Benzene	benzene-d6 (IS)	8.213	8.238	197,122	
Toluene-d8 (IS)		10.844	10.869	345,217	
Toluene	Toluene-d8 (IS)	10.936	10.967	551,086	
Ethylbenzene	Toluene-d8 (IS)	13.120	13.145	823,301	
m-/p-Xylenes	Toluene-d8 (IS)	13.291	13.340	2,990,409	
o-Xylene	Toluene-d8 (IS)	13.793	13.818	1,094,633	

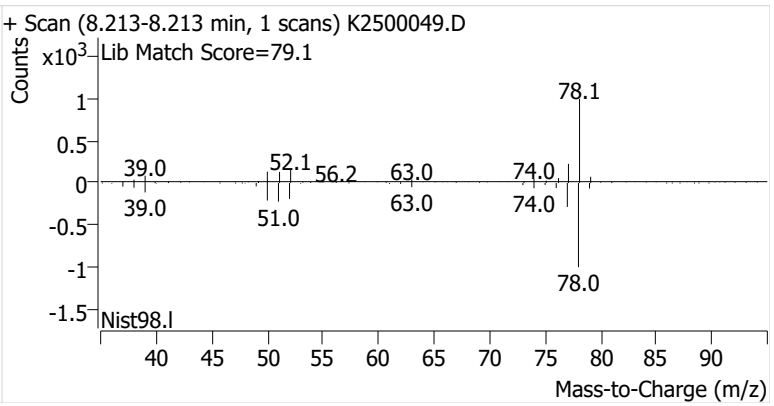
benzene-d6 (IS)



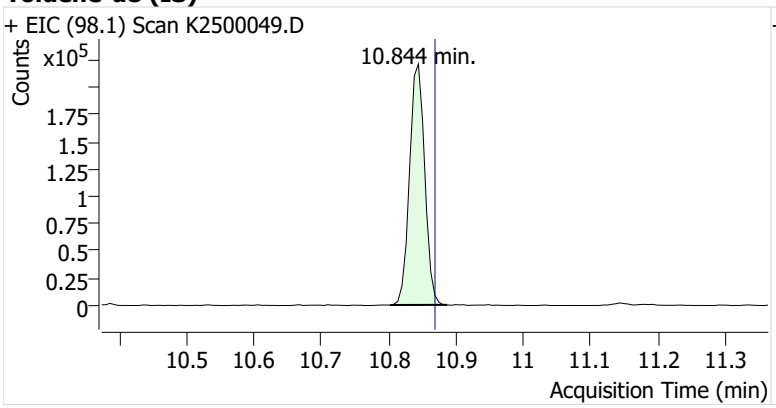


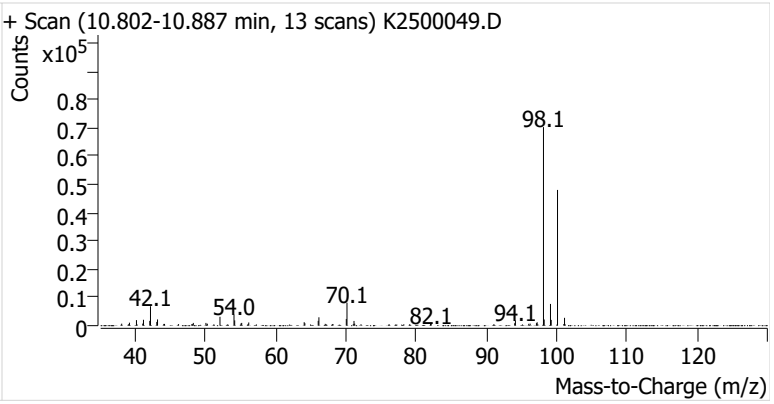
Benzene



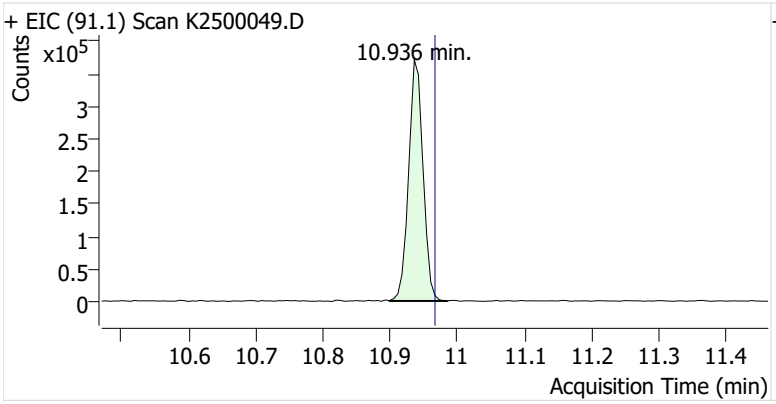


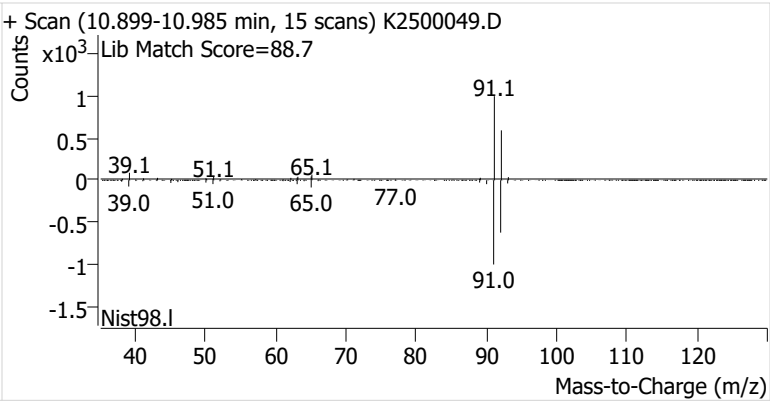
Toluene-d8 (IS)



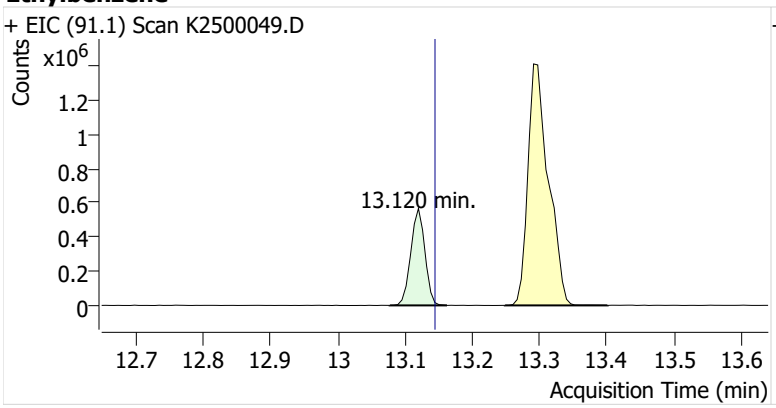


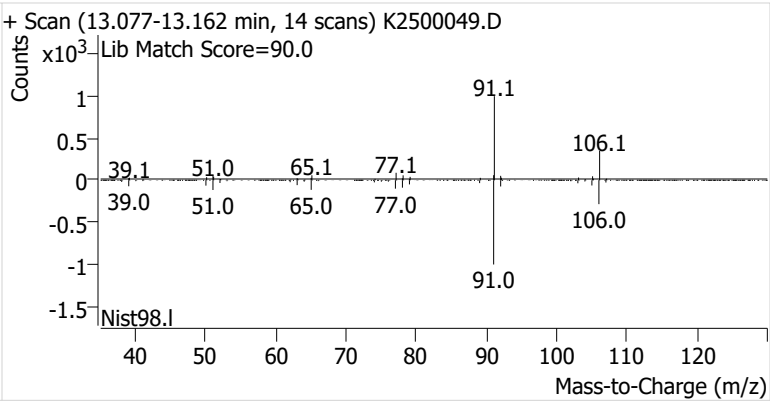
Toluene



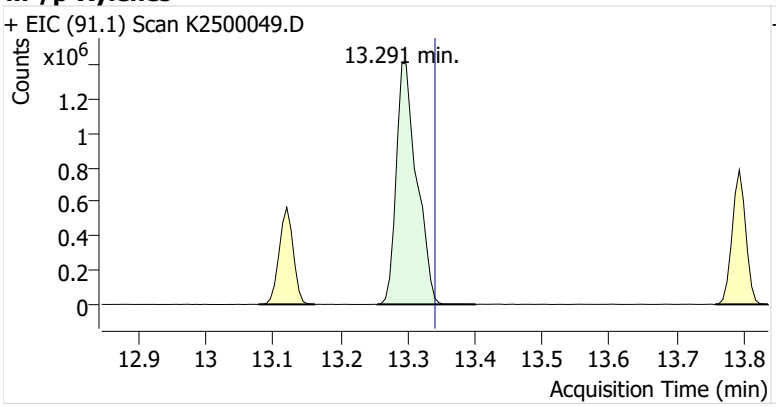


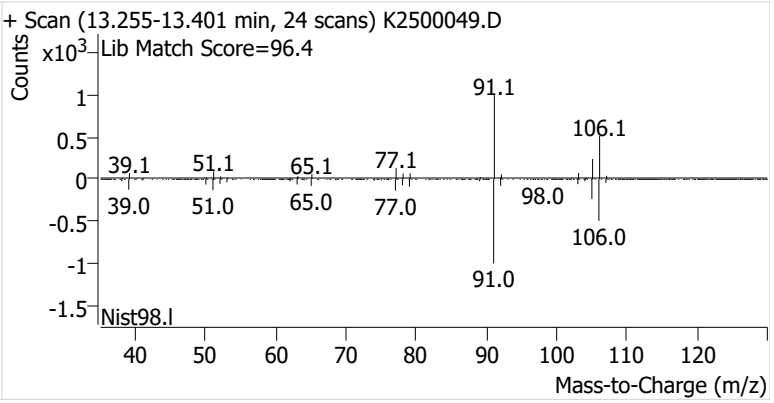
Ethylbenzene



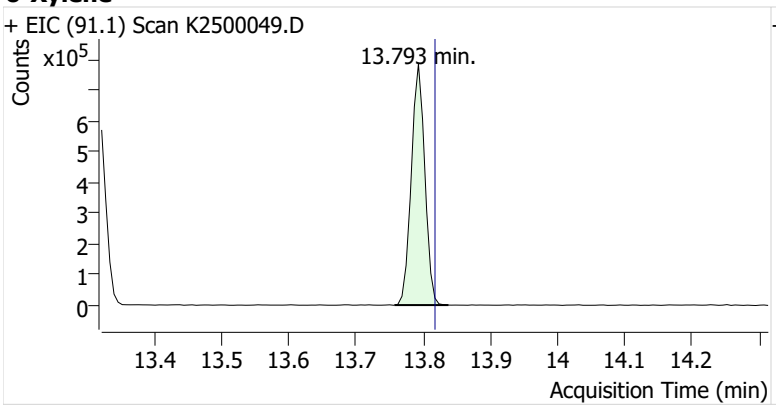


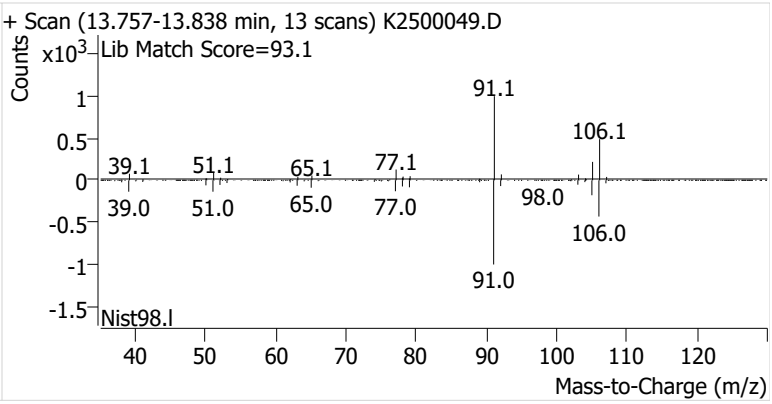
m-/p-Xylenes





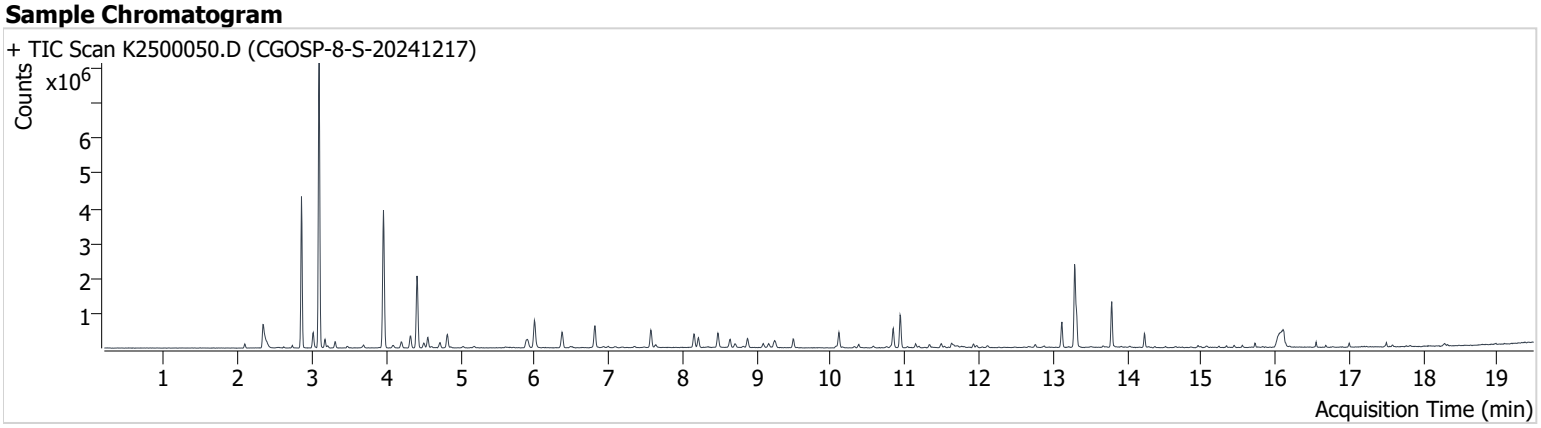
o-Xylene


+ EIC (91.1) Scan K2500049.D
Counts
x10^5
13.793 min.
6
5
4
3
2
1
0
13.4
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
Acquisition Time (min)


+ Scan (13.757-13.838 min, 13 scans) K2500049.D
Counts
x10^3
Lib Match Score=93.1
91.1
106.1
39.1
51.1
65.1
77.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

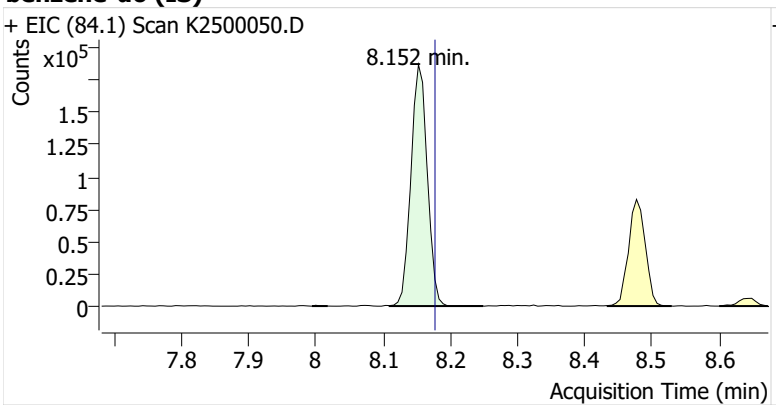
Name	CGOSP-8-S-20241217
Comment	C39190
Data File	K2500050.D
Acq. Date-Time	1/6/2025 9:00:58 PM
Acq. Method File	M325B-MTD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

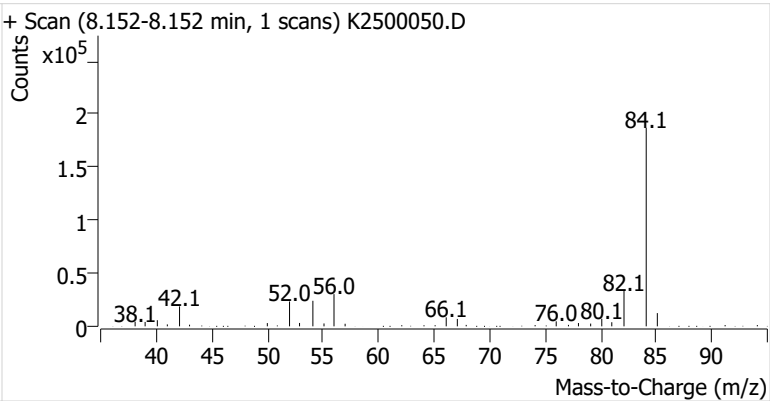
Sample Chromatogram



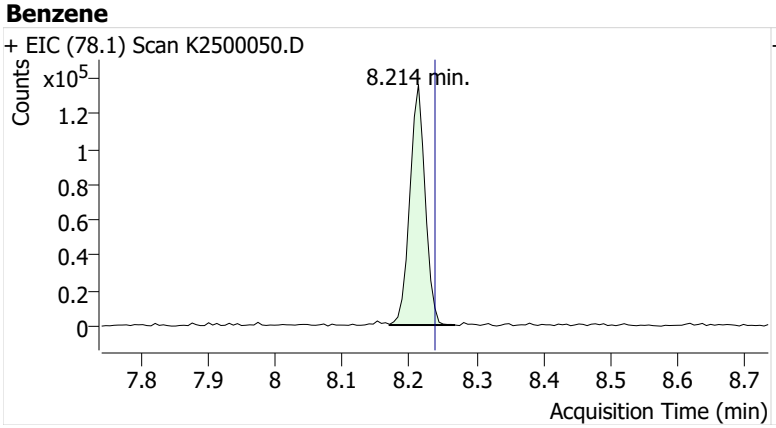
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.152	8.177	316,580	
Benzene	benzene-d6 (IS)	8.214	8.238	214,510	
Toluene-d8 (IS)		10.844	10.869	335,006	
Toluene	Toluene-d8 (IS)	10.936	10.967	591,198	
Ethylbenzene	Toluene-d8 (IS)	13.120	13.145	449,800	
m-/p-Xylenes	Toluene-d8 (IS)	13.291	13.340	1,672,461	
o-Xylene	Toluene-d8 (IS)	13.793	13.818	654,380	

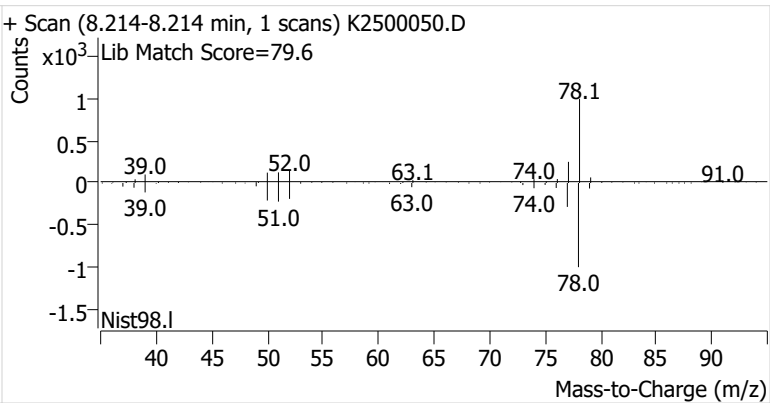
benzene-d6 (IS)



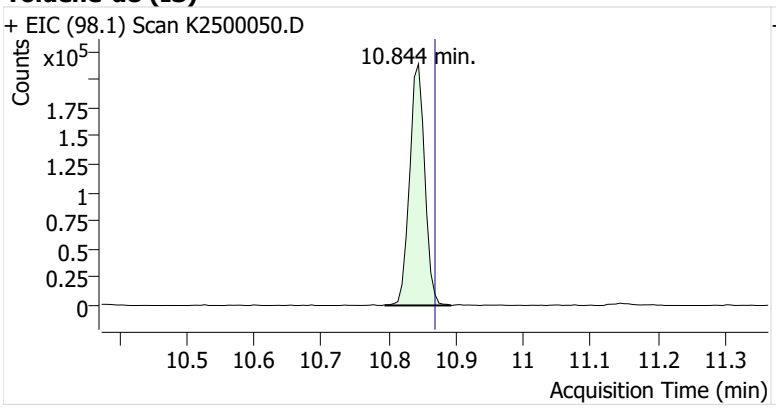


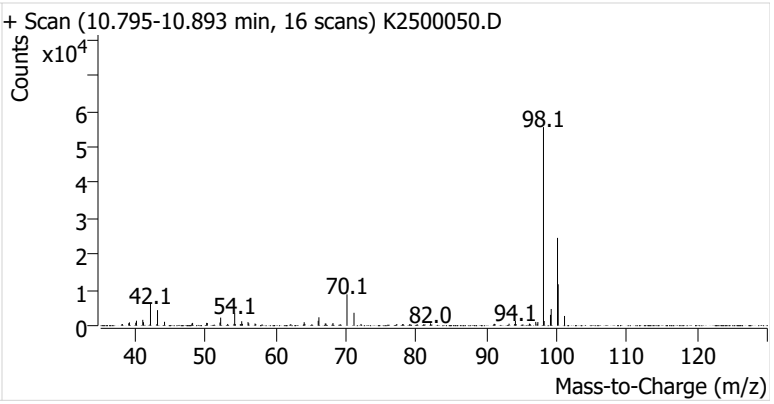
Benzene



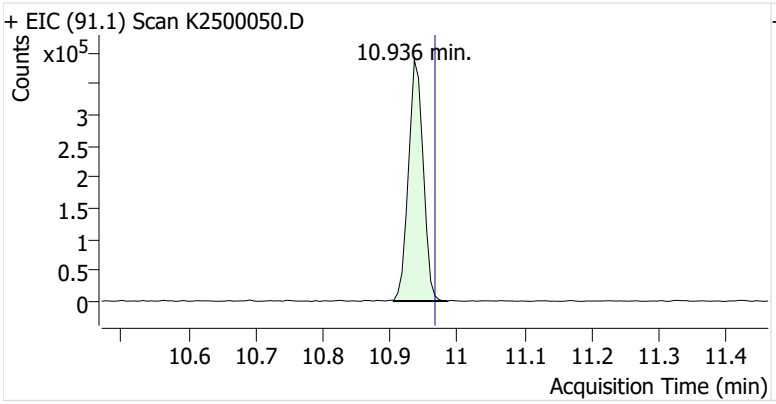


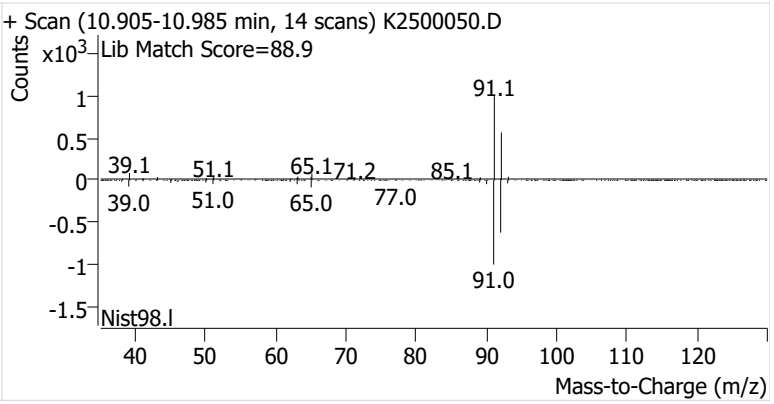
Toluene-d8 (IS)



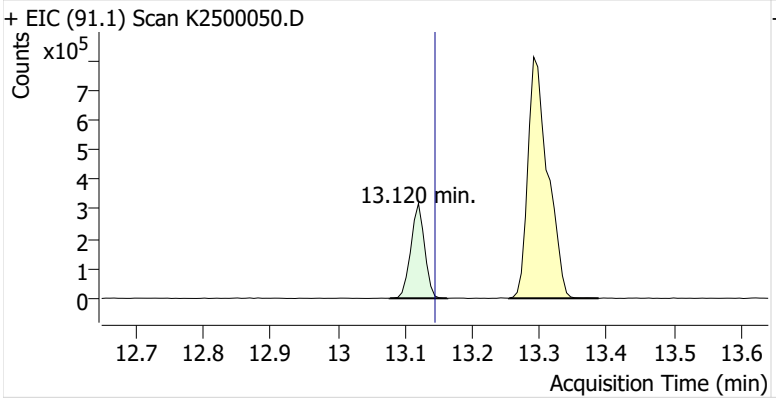


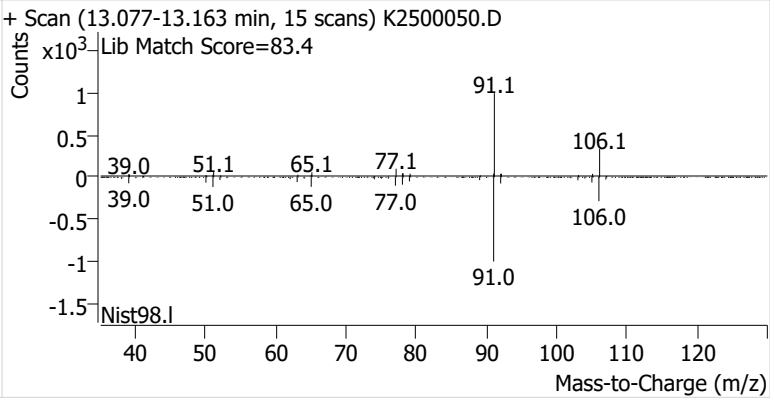
Toluene



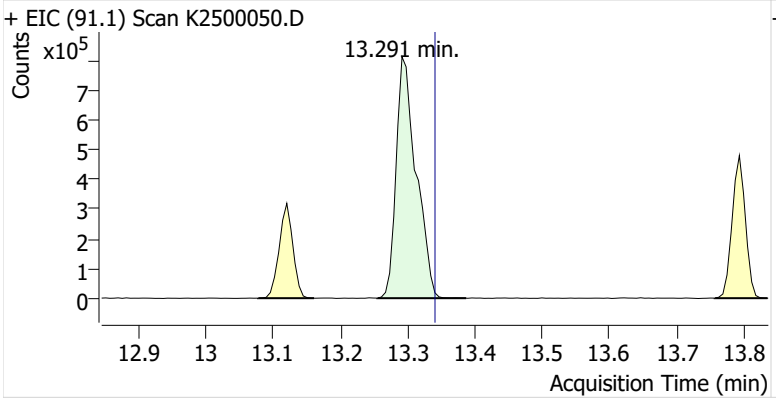


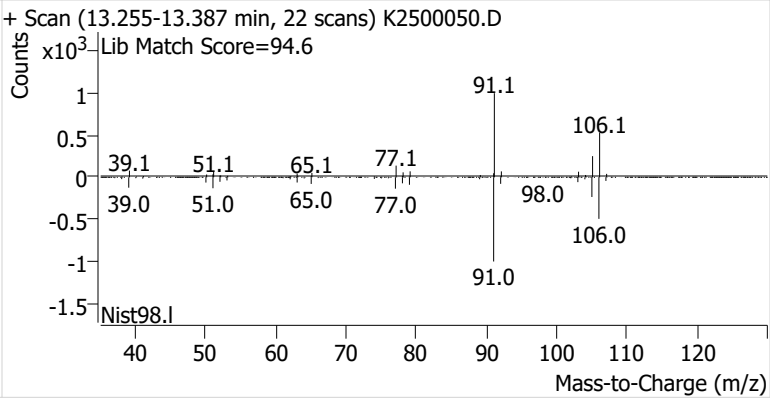
Ethylbenzene



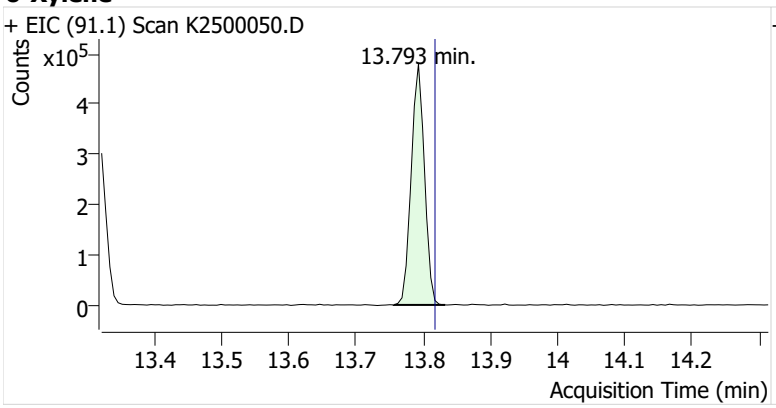


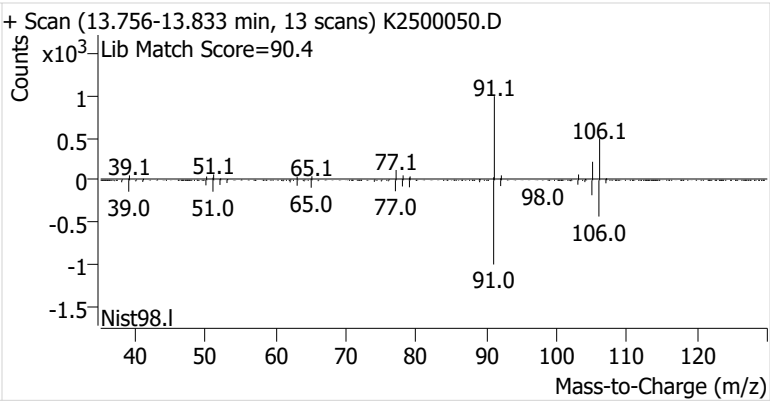
m-/p-Xylenes





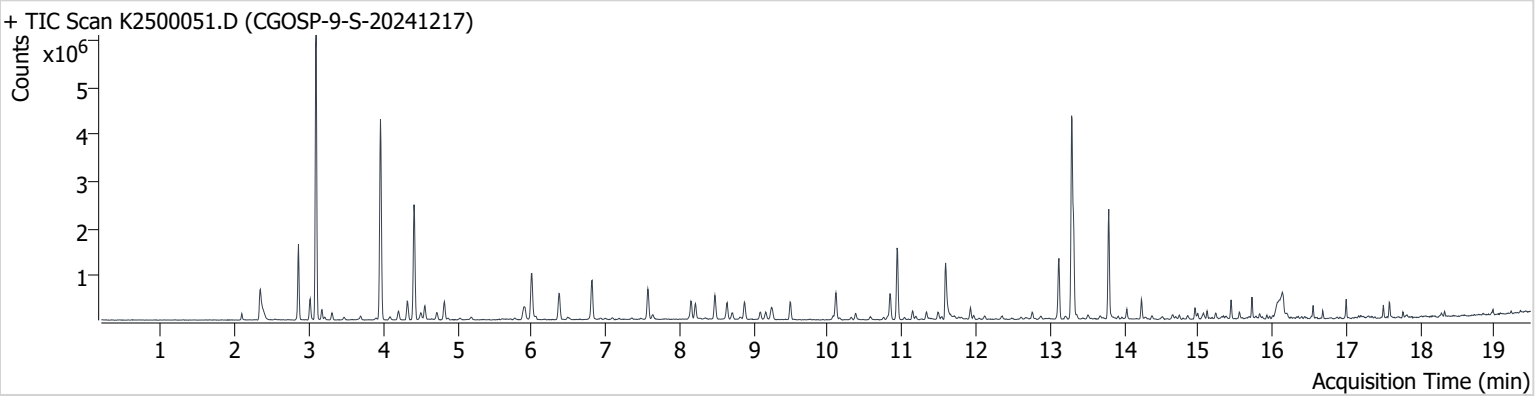
o-Xylene


+ EIC (91.1) Scan K2500050.D
Counts
x10^5
13.793 min.
4
3
2
1
0
13.4
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
Acquisition Time (min)


+ Scan (13.756-13.833 min, 13 scans) K2500050.D
Counts
x10^3
Lib Match Score=90.4
91.1
106.1
39.1
51.1
65.1
77.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

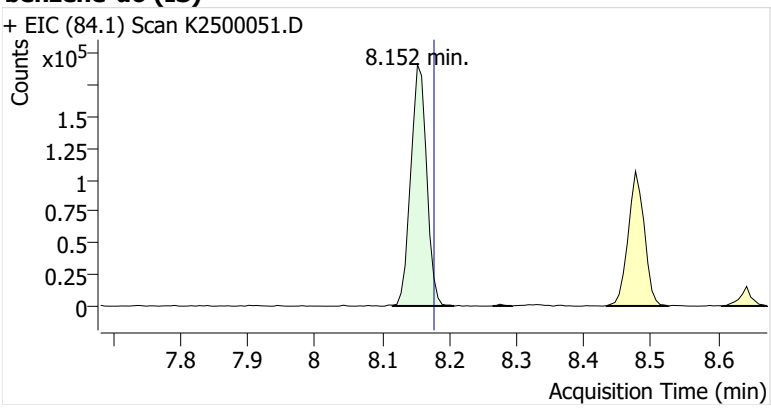
Name	CGOSP-9-S-20241217
Comment	C40630
Data File	K2500051.D
Acq. Date-Time	1/6/2025 9:28:32 PM
Acq. Method File	M325B-MTD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

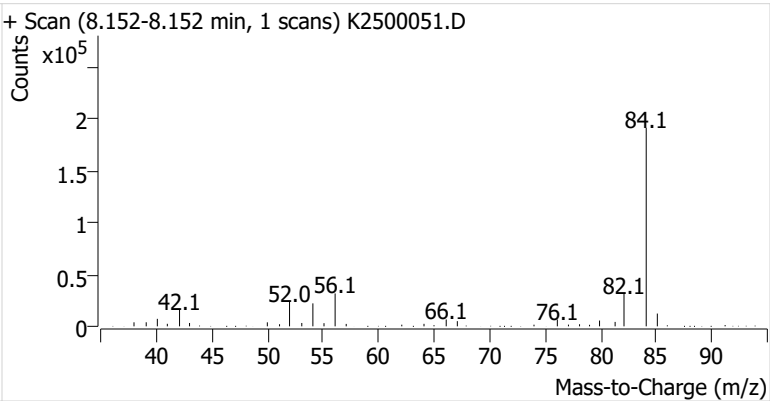
Sample Chromatogram



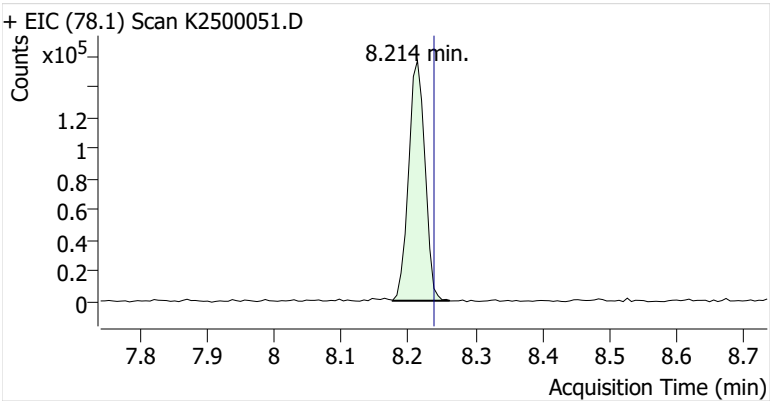
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.152	8.177	314,434	
Benzene	benzene-d6 (IS)	8.214	8.238	263,400	
Toluene-d8 (IS)		10.838	10.869	344,660	
Toluene	Toluene-d8 (IS)	10.936	10.967	989,022	
Ethylbenzene	Toluene-d8 (IS)	13.120	13.145	849,091	
m-/p-Xylenes	Toluene-d8 (IS)	13.291	13.340	3,197,660	
o-Xylene	Toluene-d8 (IS)	13.793	13.818	1,162,747	

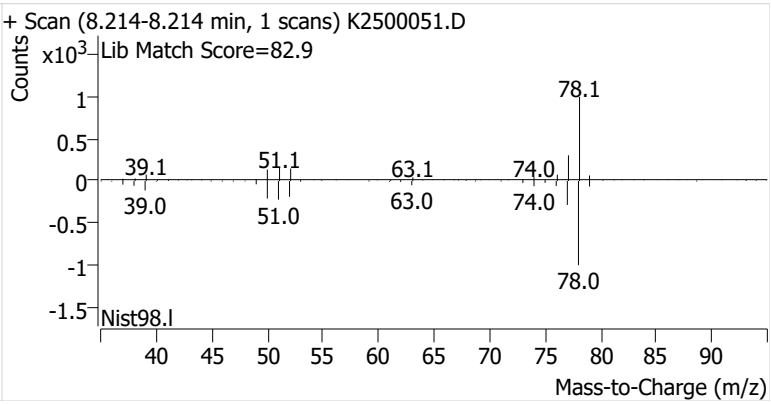
benzene-d6 (IS)



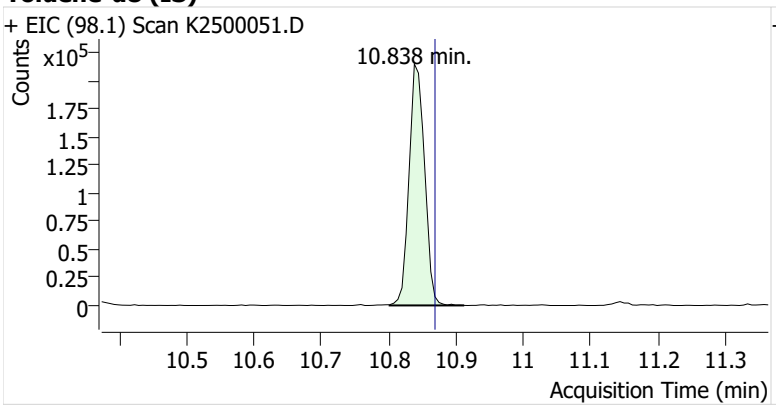


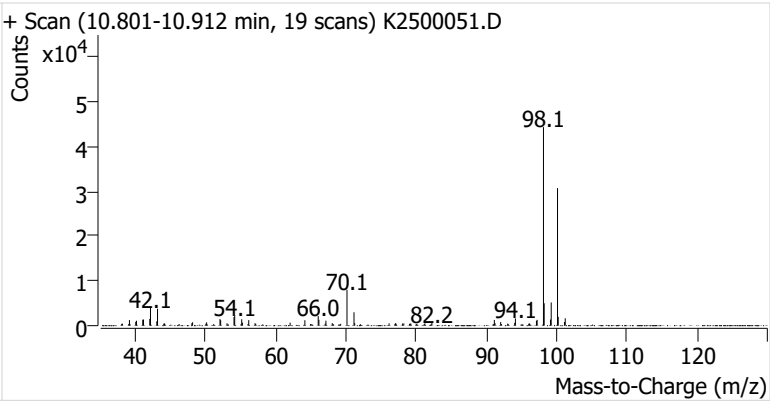
Benzene



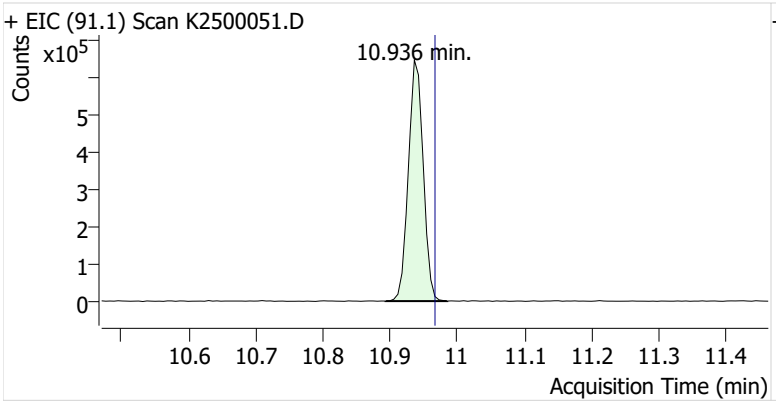


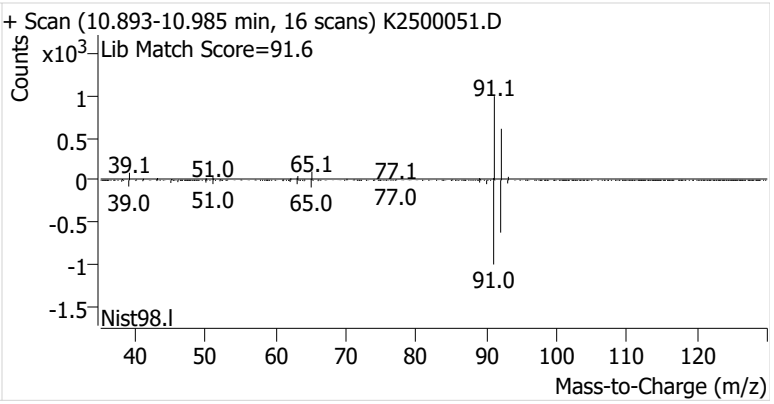
Toluene-d8 (IS)



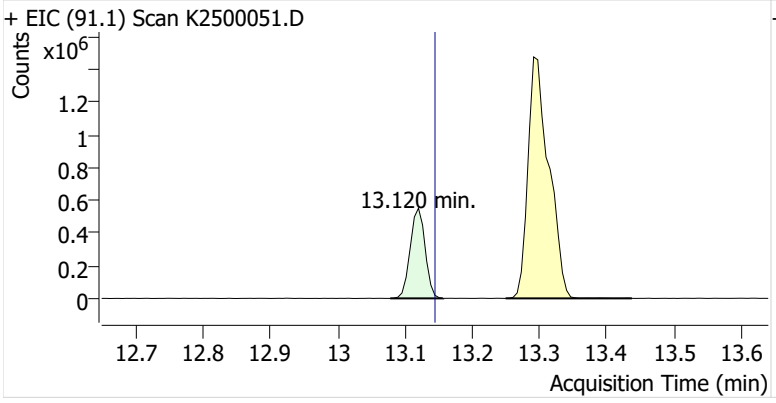


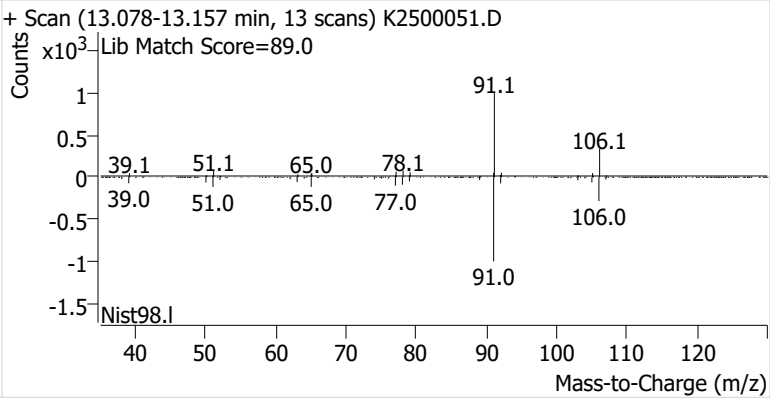
Toluene



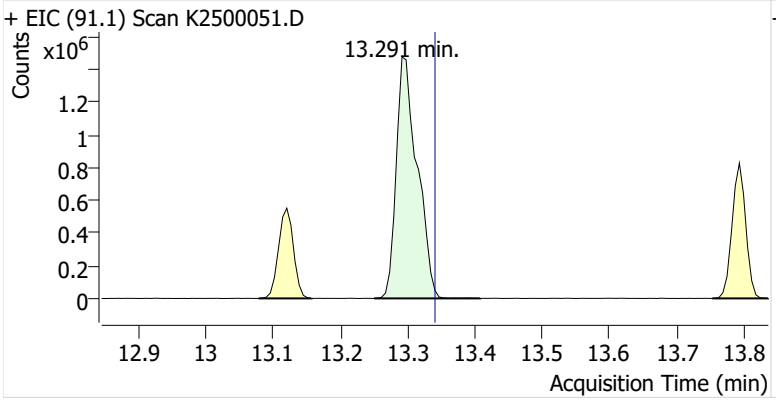


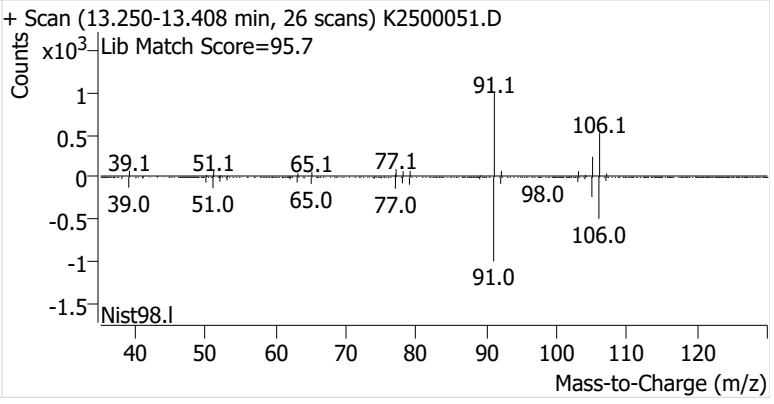
Ethylbenzene



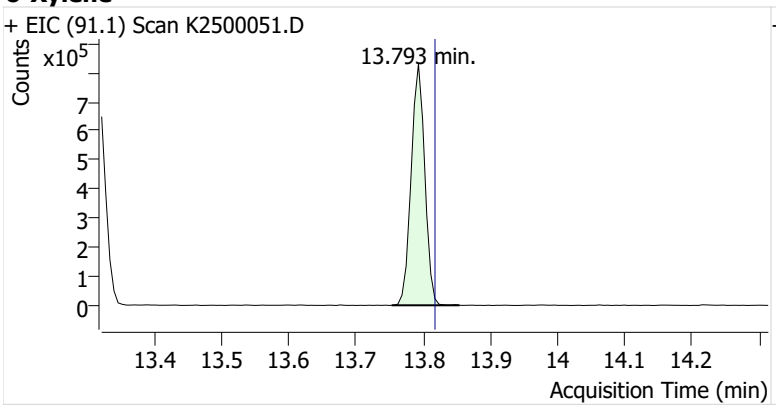


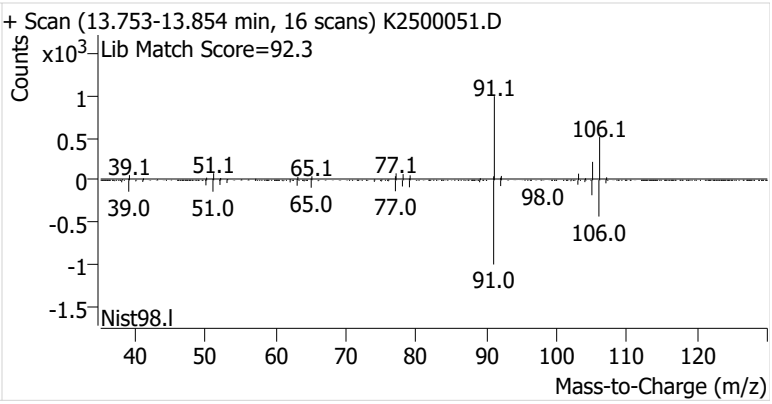
m-/p-Xylenes





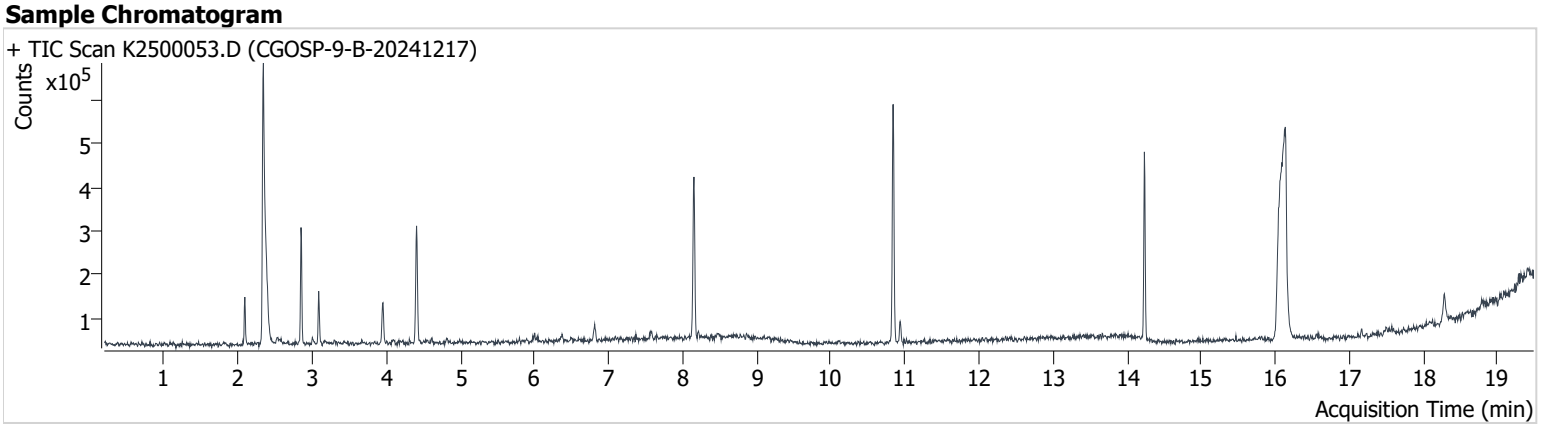
o-Xylene


+ EIC (91.1) Scan K2500051.D
Counts
x10^5
13.793 min.
13.4 13.5 13.6 13.7 13.8 13.9 14 14.1 14.2
Acquisition Time (min)


+ Scan (13.753-13.854 min, 16 scans) K2500051.D
Counts
x10^3
Lib Match Score=92.3
91.1
106.1
39.1 51.1 65.1 77.1
98.0
39.0 51.0 65.0 77.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

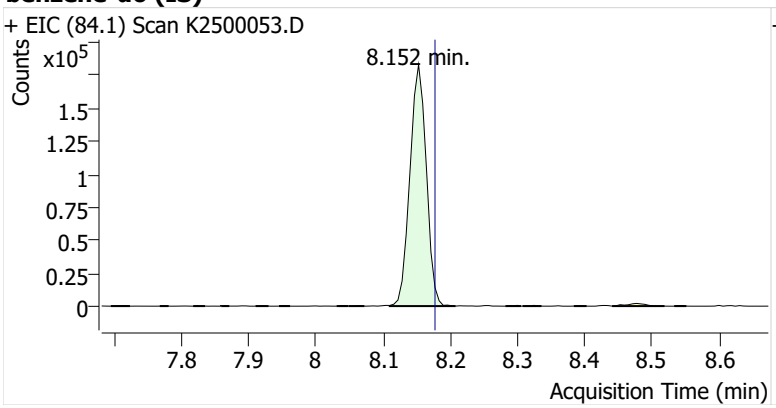
Name	CGOSP-9-B-20241217
Comment	C38864
Data File	K2500053.D
Acq. Date-Time	1/6/2025 10:23:40 PM
Acq. Method File	M325B-MTD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

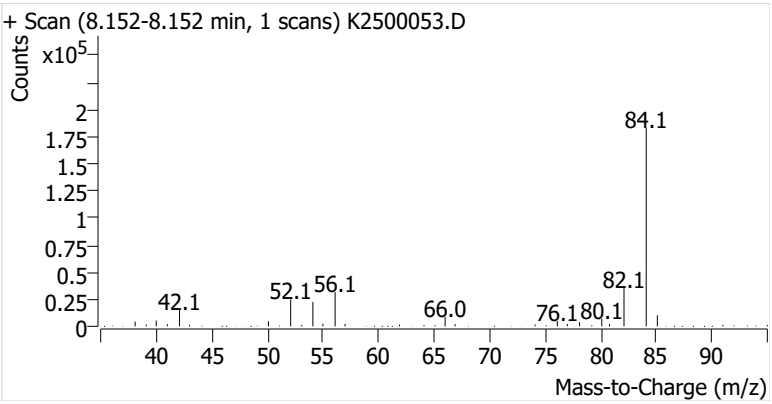
Sample Chromatogram



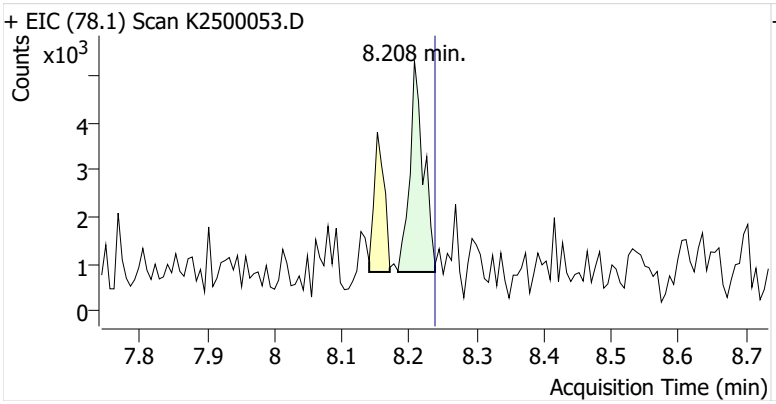
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.152	8.177	310,043	
Benzene	benzene-d6 (IS)	8.208	8.238	6,364	
Toluene-d8 (IS)		10.844	10.869	354,598	
Toluene	Toluene-d8 (IS)	10.942	10.967	29,820	
Ethylbenzene	Toluene-d8 (IS)	13.114	13.145	562	
m-/p-Xylenes	Toluene-d8 (IS)	13.114	13.340	ND	m
o-Xylene	Toluene-d8 (IS)	13.750	13.818	ND	m

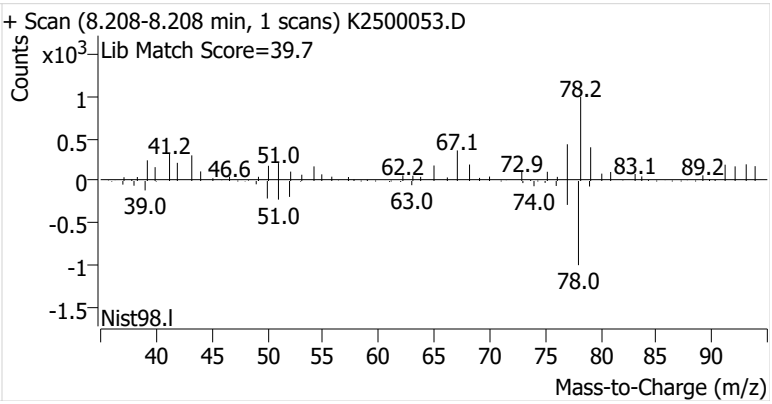
benzene-d6 (IS)



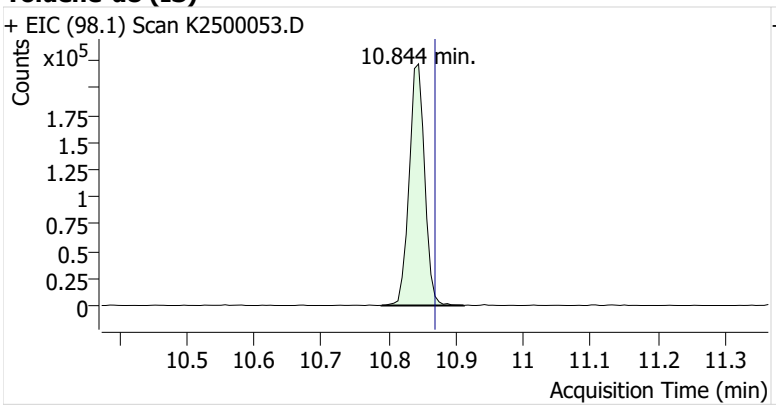


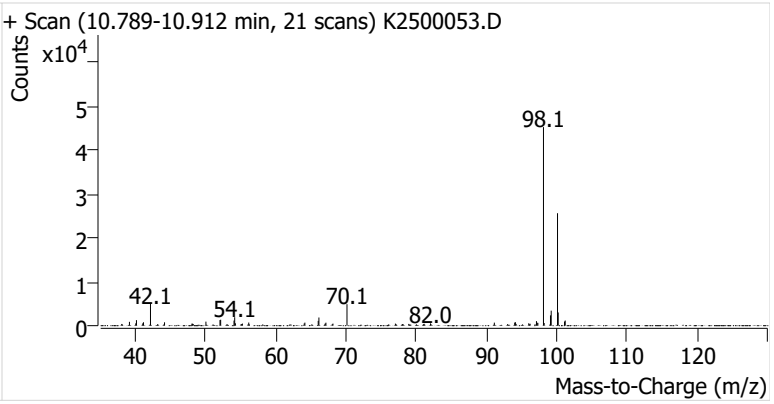
Benzene



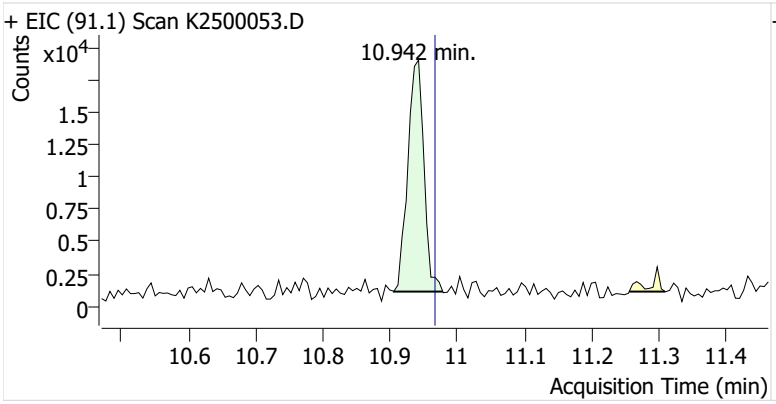


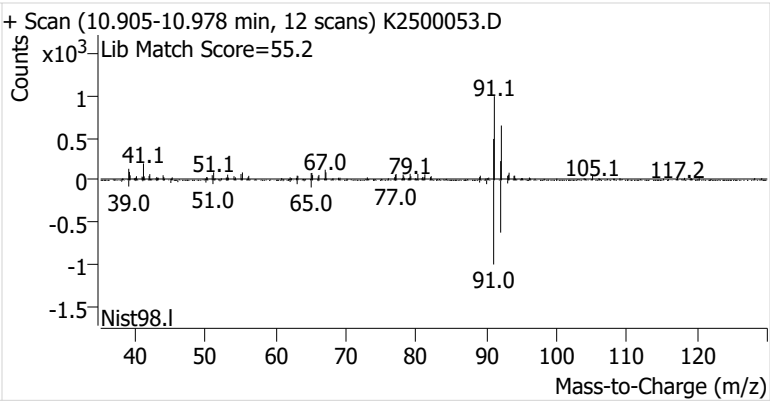
Toluene-d8 (IS)



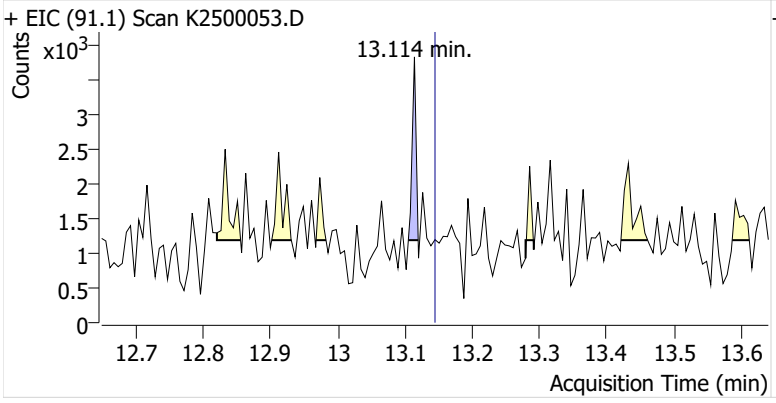


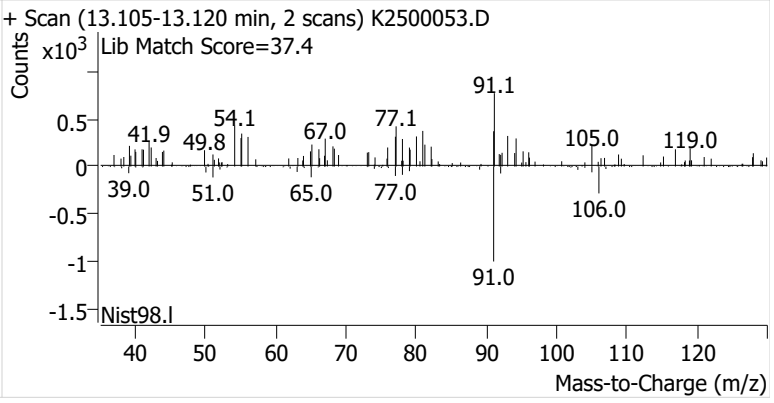
Toluene



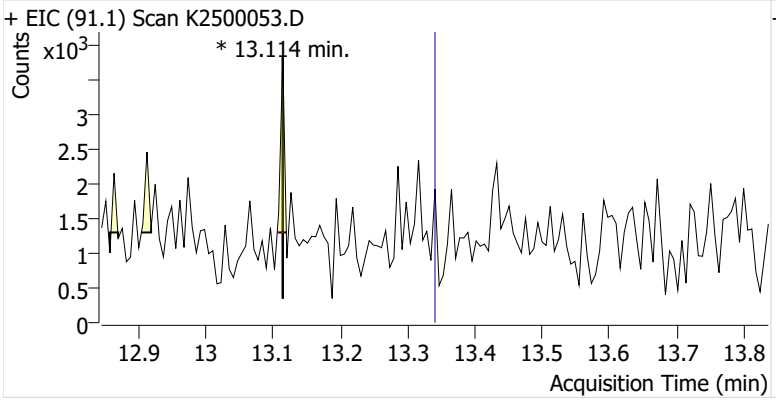


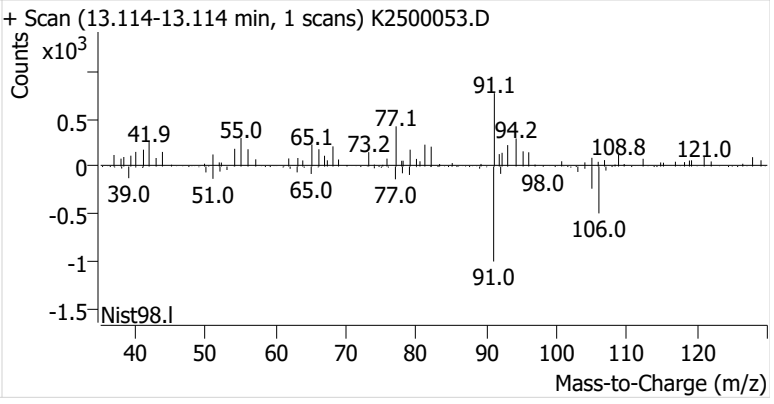
Ethylbenzene



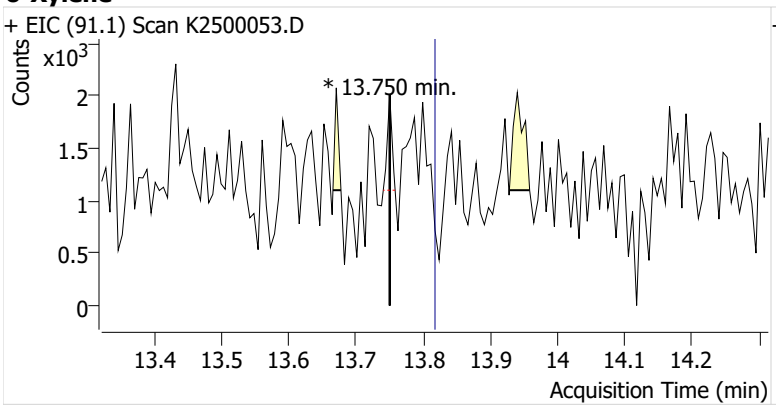


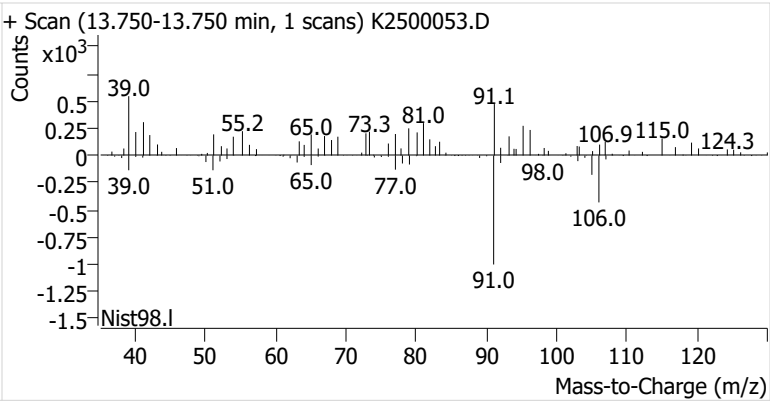
m-/p-Xylenes





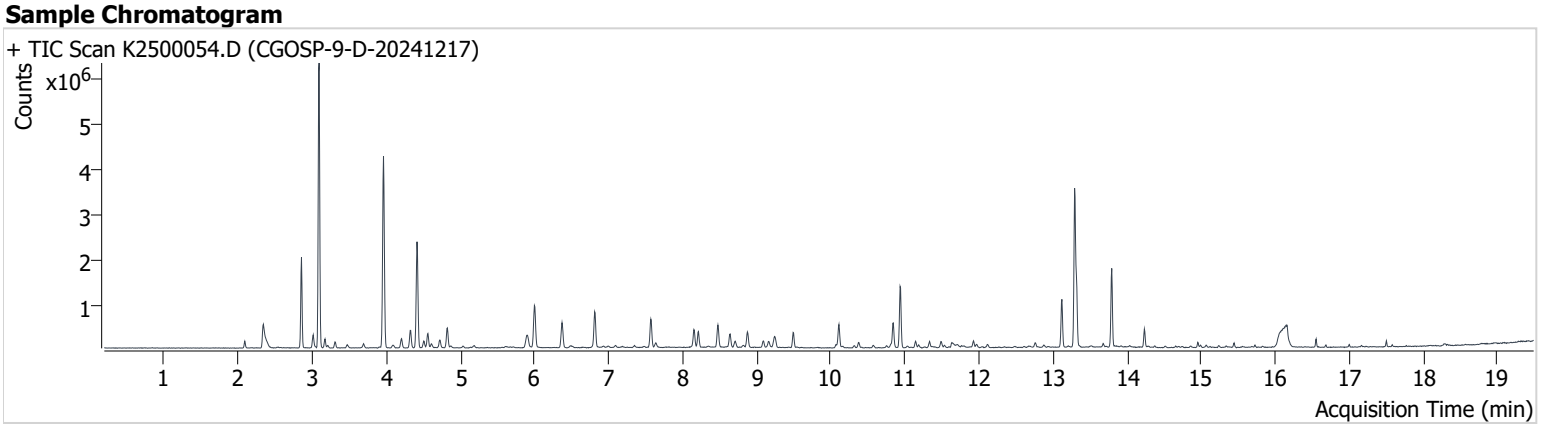
o-Xylene


+ EIC (91.1) Scan K2500053.D
Counts
x10^3
2
1.5
1
0.5
0
* 13.750 min.
13.4
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
Acquisition Time (min)


+ Scan (13.750-13.750 min, 1 scans) K2500053.D
Counts
x10^3
0.5
0.25
0
-0.25
-0.5
-0.75
-1
-1.25
-1.5
39.0
55.2
65.0
73.3
81.0
91.1
106.9
115.0
124.3
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

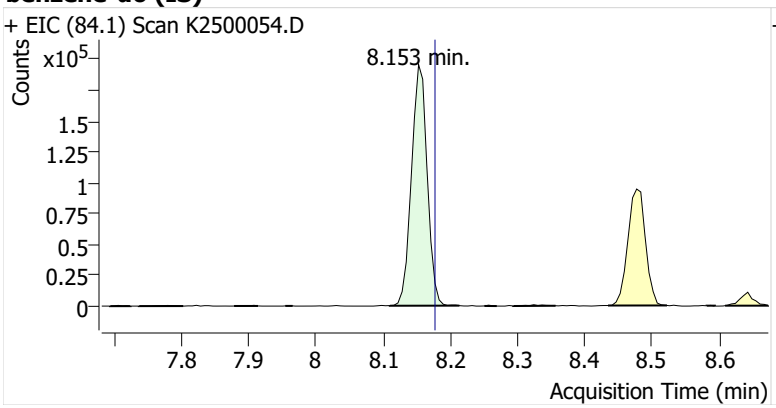
Name	CGOSP-9-D-20241217
Comment	B50908
Data File	K2500054.D
Acq. Date-Time	1/6/2025 10:51:13 PM
Acq. Method File	M325B-MTD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

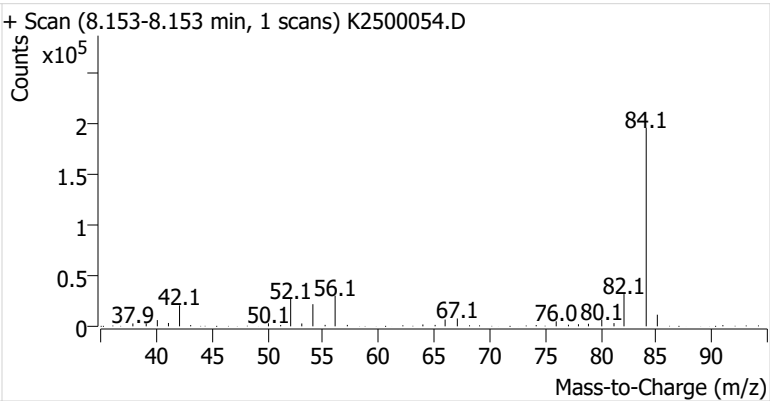
Sample Chromatogram



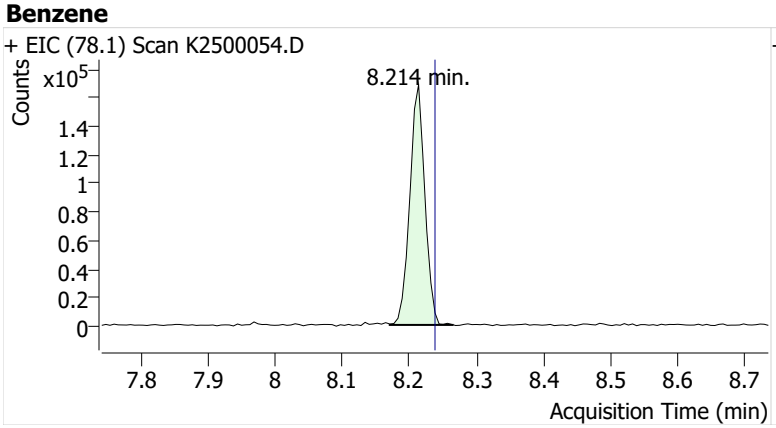
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.153	8.177	316,996	
Benzene	benzene-d6 (IS)	8.214	8.238	261,653	
Toluene-d8 (IS)		10.844	10.869	336,856	
Toluene	Toluene-d8 (IS)	10.936	10.967	873,063	
Ethylbenzene	Toluene-d8 (IS)	13.120	13.145	682,399	
m-/p-Xylenes	Toluene-d8 (IS)	13.291	13.340	2,457,521	
o-Xylene	Toluene-d8 (IS)	13.793	13.818	885,767	

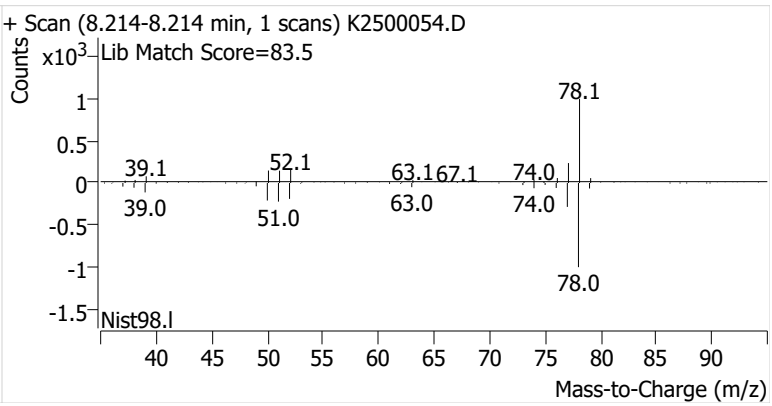
benzene-d6 (IS)



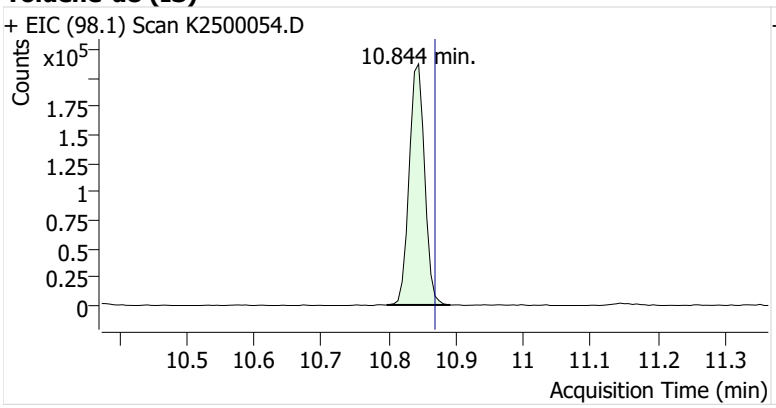


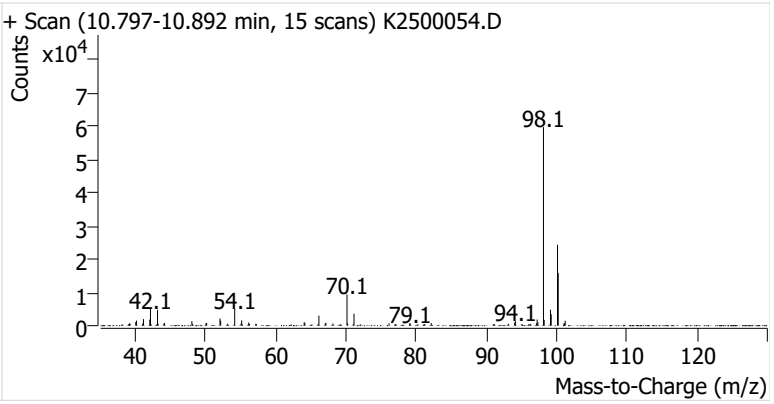
Benzene



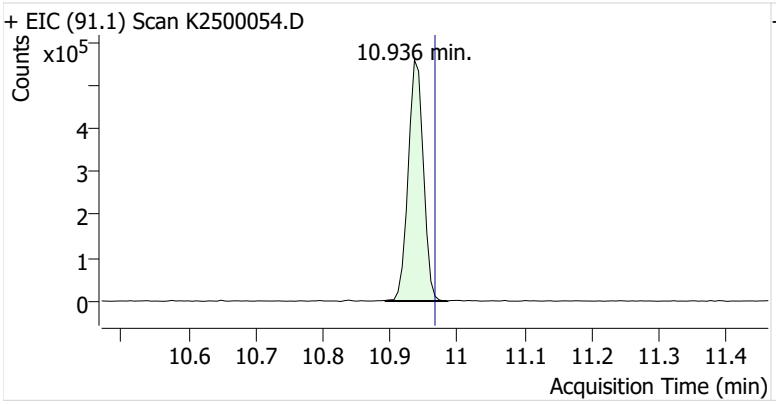


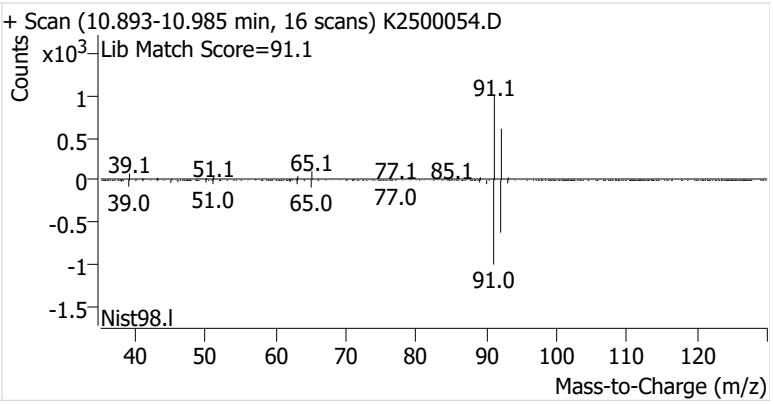
Toluene-d8 (IS)



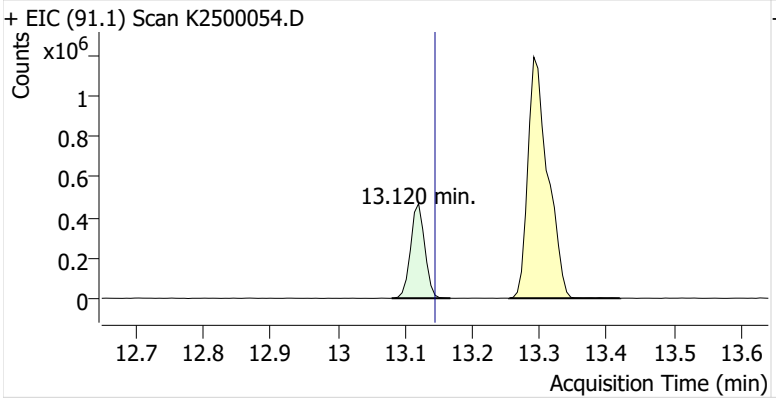


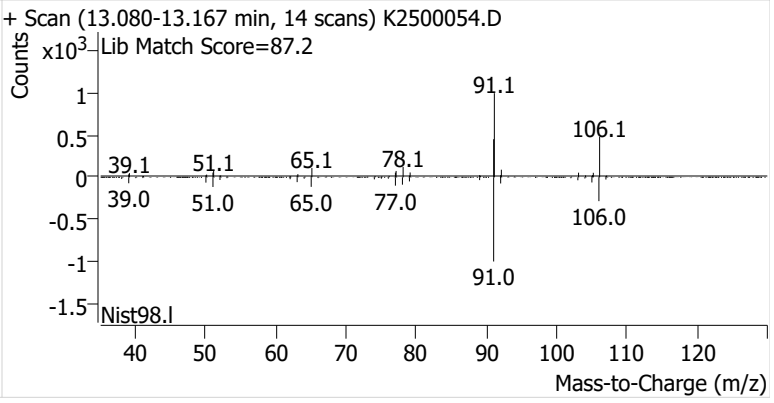
Toluene



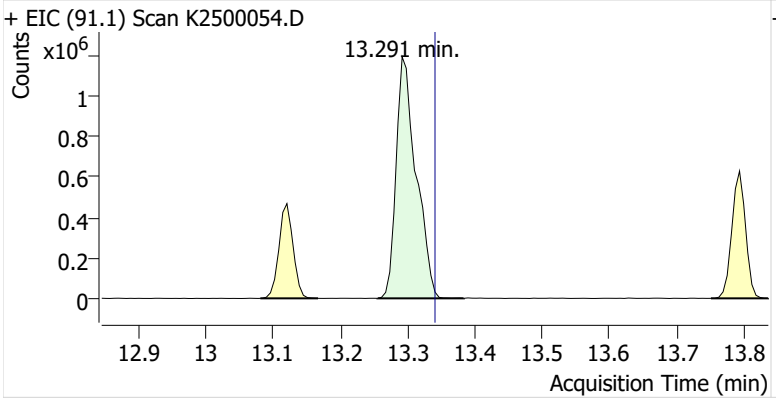


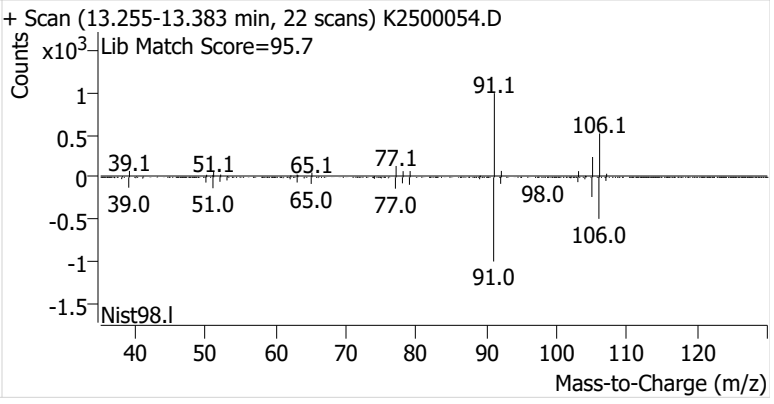
Ethylbenzene



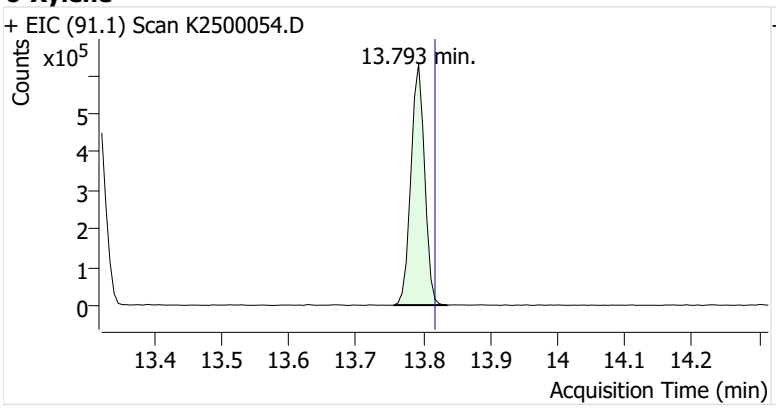


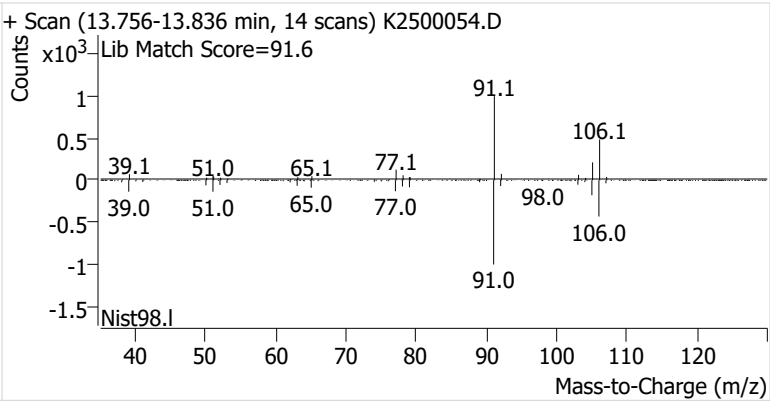
m-/p-Xylenes





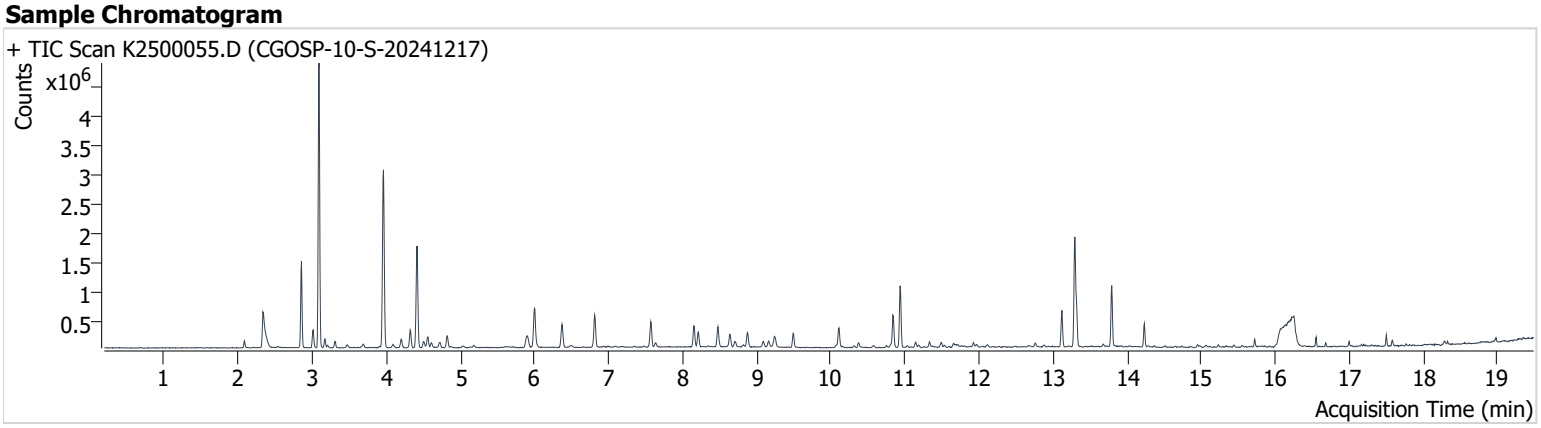
o-Xylene


+ EIC (91.1) Scan K2500054.D
Counts
x10^5
13.793 min.
5
4
3
2
1
0
13.4 13.5 13.6 13.7 13.8 13.9 14 14.1 14.2
Acquisition Time (min)


+ Scan (13.756-13.836 min, 14 scans) K2500054.D
Counts
x10^3
Lib Match Score=91.6
1
0.5
0
-0.5
-1
-1.5
91.1
106.1
39.1
51.0
65.1
77.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

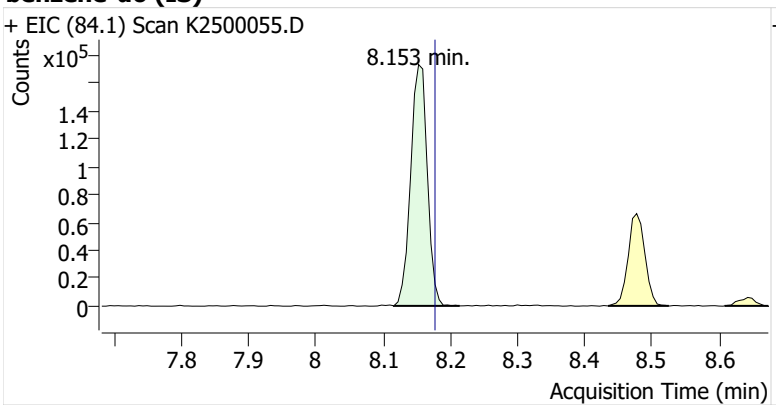
Name	CGOSP-10-S-20241217
Comment	C36864
Data File	K2500055.D
Acq. Date-Time	1/6/2025 11:18:47 PM
Acq. Method File	M325B-MTD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

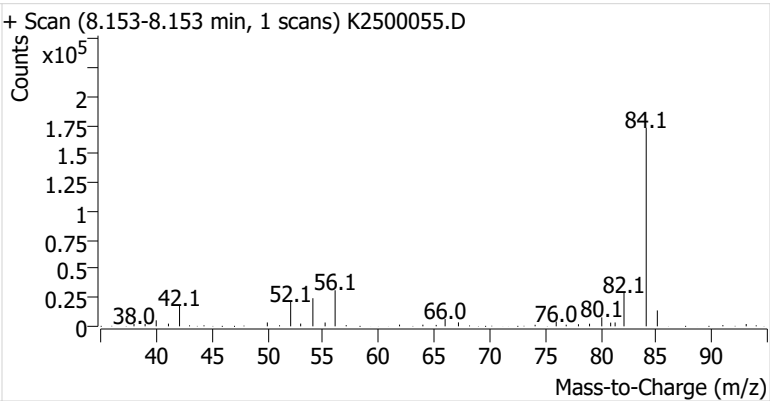
Sample Chromatogram



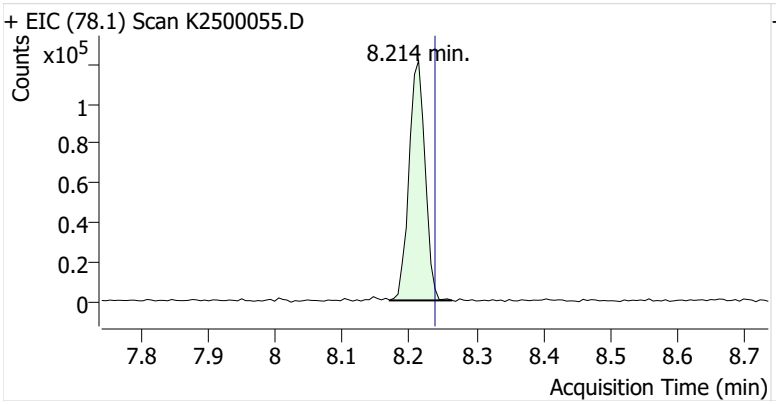
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.153	8.177	297,464	
Benzene	benzene-d6 (IS)	8.214	8.238	200,765	
Toluene-d8 (IS)		10.838	10.869	333,007	
Toluene	Toluene-d8 (IS)	10.936	10.967	677,653	
Ethylbenzene	Toluene-d8 (IS)	13.120	13.145	391,707	
m-/p-Xylenes	Toluene-d8 (IS)	13.298	13.340	1,350,332	
o-Xylene	Toluene-d8 (IS)	13.793	13.818	537,060	

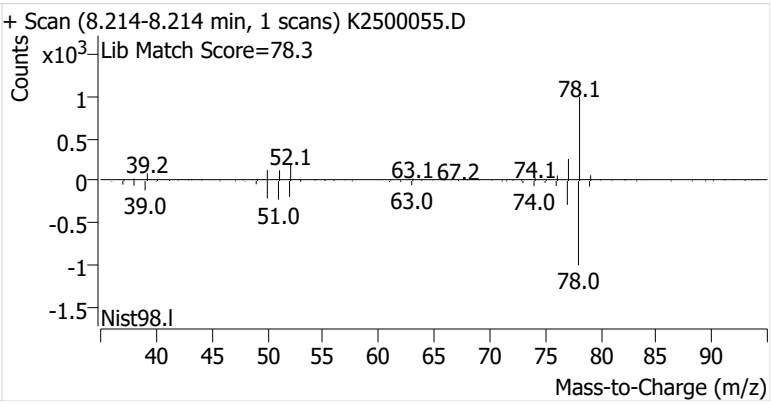
benzene-d6 (IS)



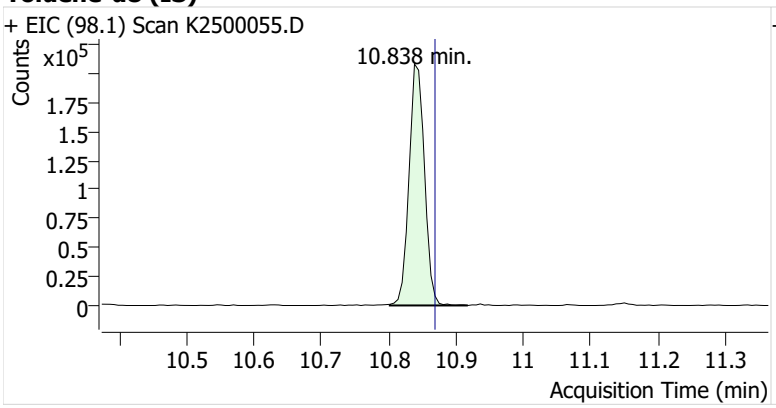


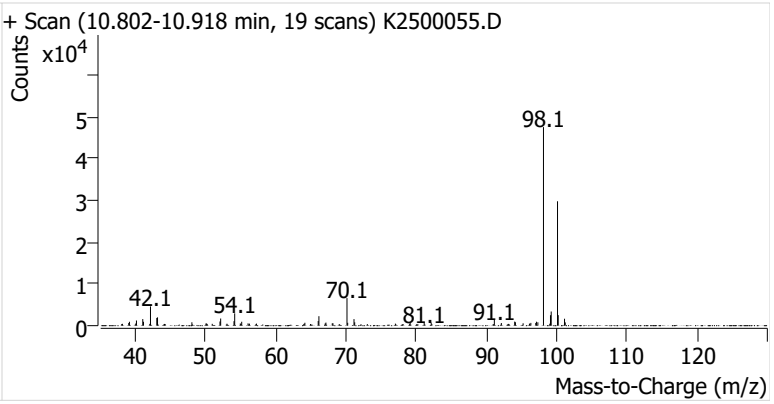
Benzene



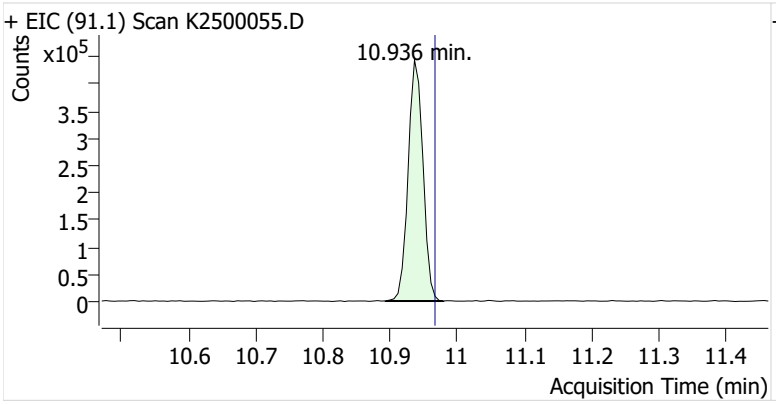


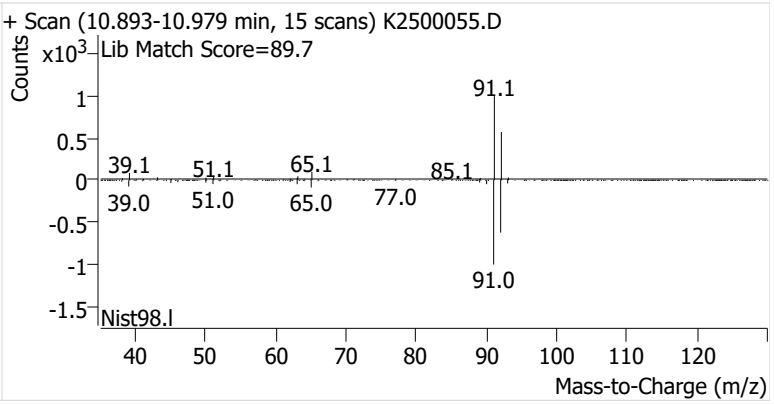
Toluene-d8 (IS)



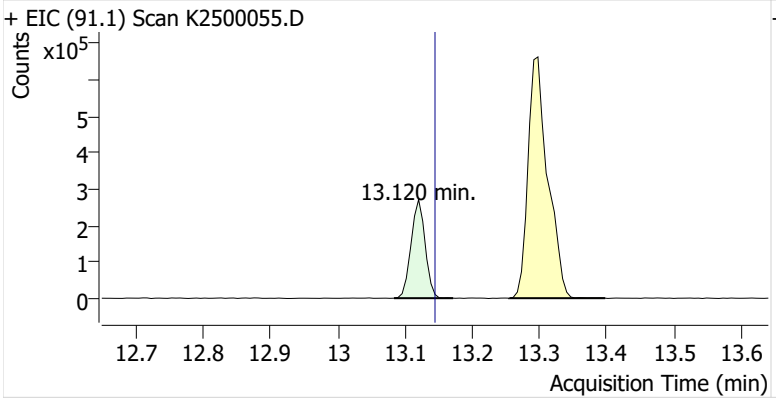


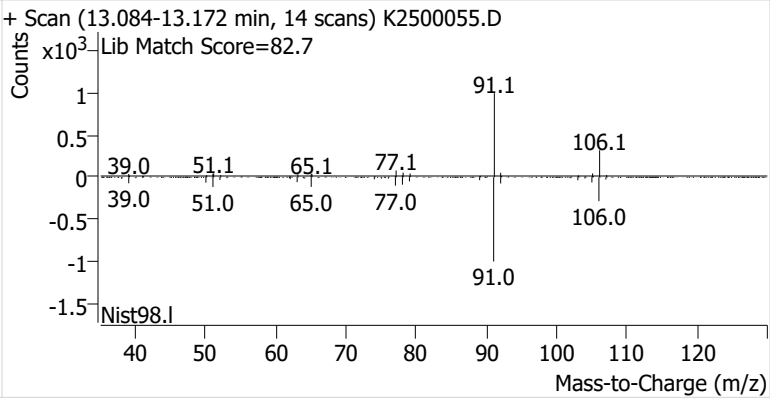
Toluene



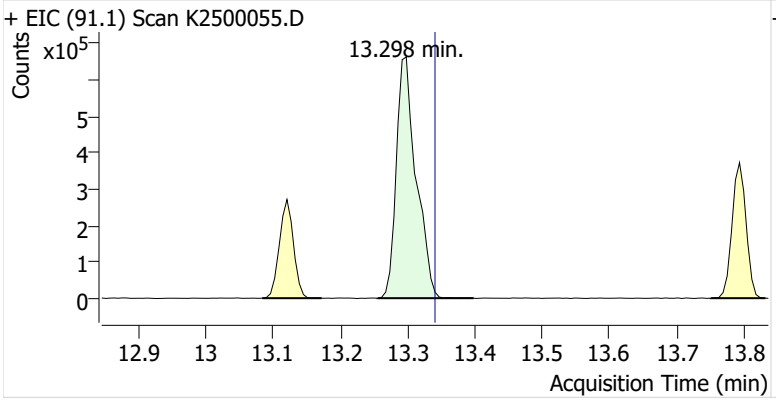


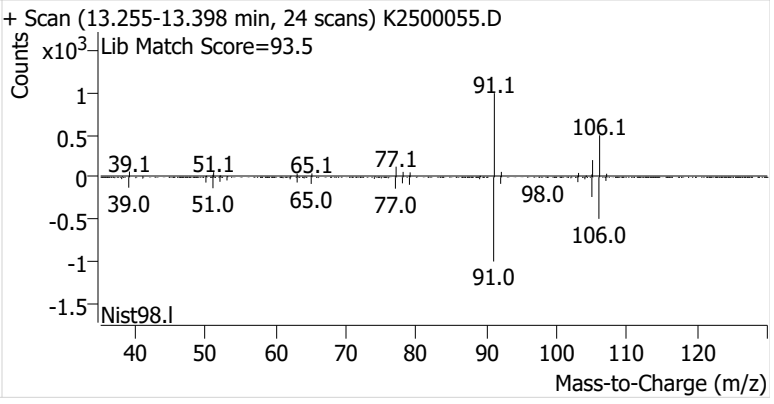
Ethylbenzene



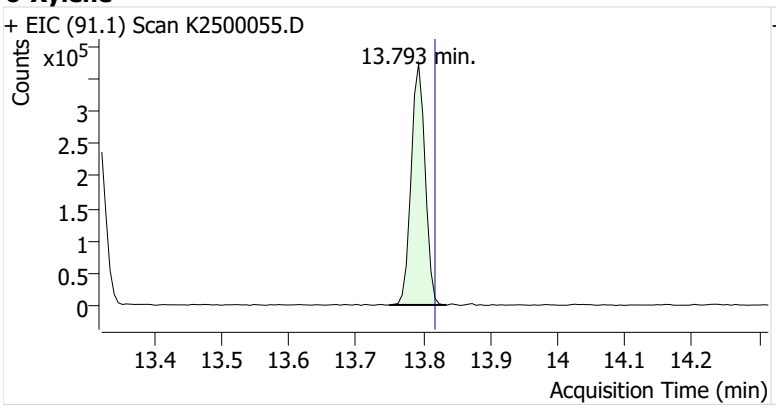


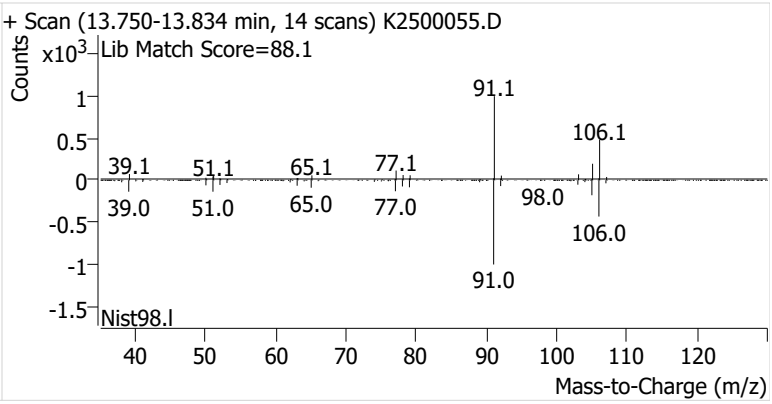
m-/p-Xylenes





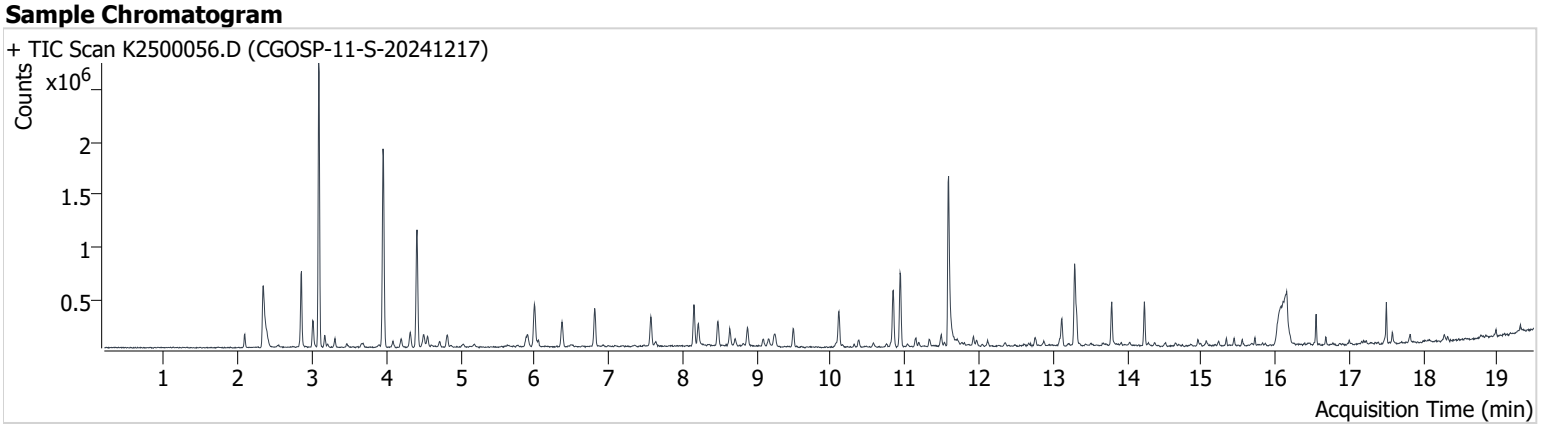
o-Xylene


+ EIC (91.1) Scan K2500055.D
Counts
x10^5
13.793 min.
3
2.5
2
1.5
1
0.5
0
13.4 13.5 13.6 13.7 13.8 13.9 14 14.1 14.2
Acquisition Time (min)


+ Scan (13.750-13.834 min, 14 scans) K2500055.D
Counts
x10^3
Lib Match Score=88.1
91.1
106.1
39.1
51.1
65.1
77.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

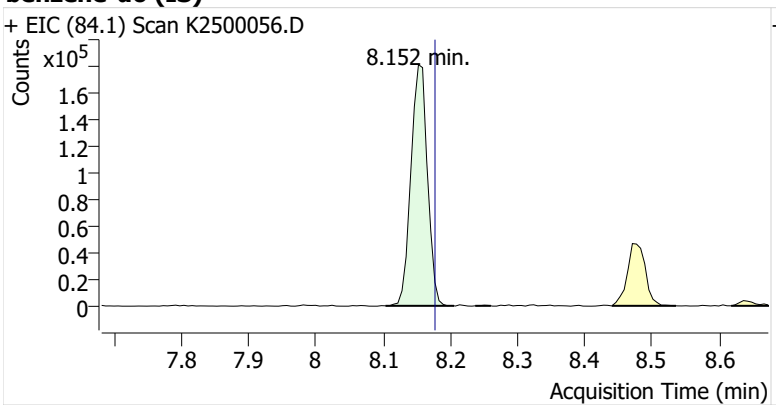
Name	CGOSP-11-S-20241217
Comment	C53569
Data File	K2500056.D
Acq. Date-Time	1/6/2025 11:46:19 PM
Acq. Method File	M325B-MTD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

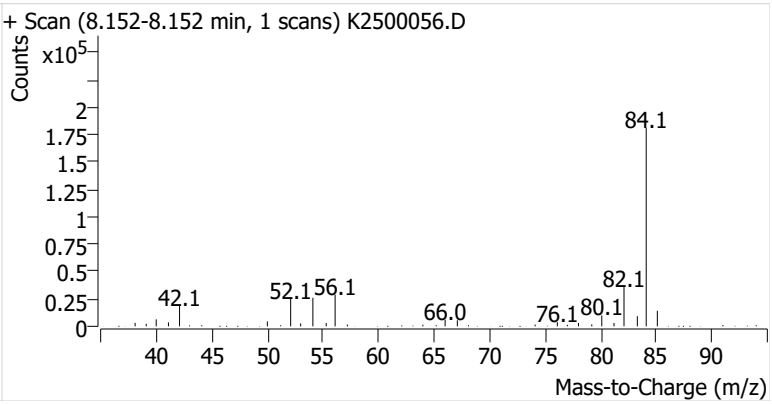
Sample Chromatogram



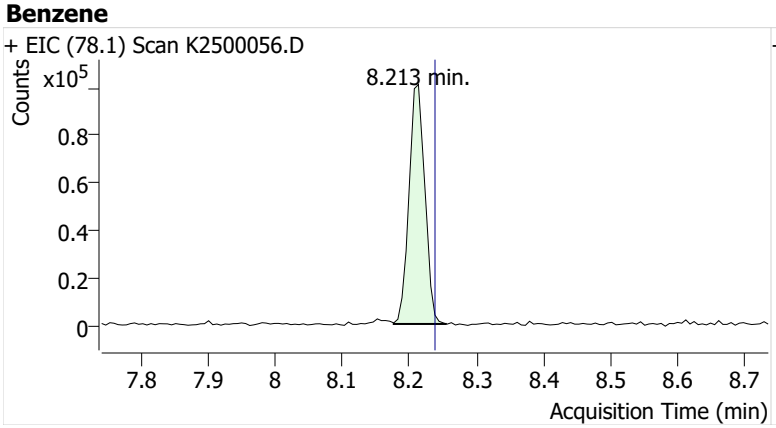
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.152	8.177	309,212	
Benzene	benzene-d6 (IS)	8.213	8.238	164,343	
Toluene-d8 (IS)		10.844	10.869	346,909	
Toluene	Toluene-d8 (IS)	10.936	10.967	466,838	
Ethylbenzene	Toluene-d8 (IS)	13.120	13.145	166,096	
m-/p-Xylenes	Toluene-d8 (IS)	13.291	13.340	548,252	
o-Xylene	Toluene-d8 (IS)	13.793	13.818	205,084	

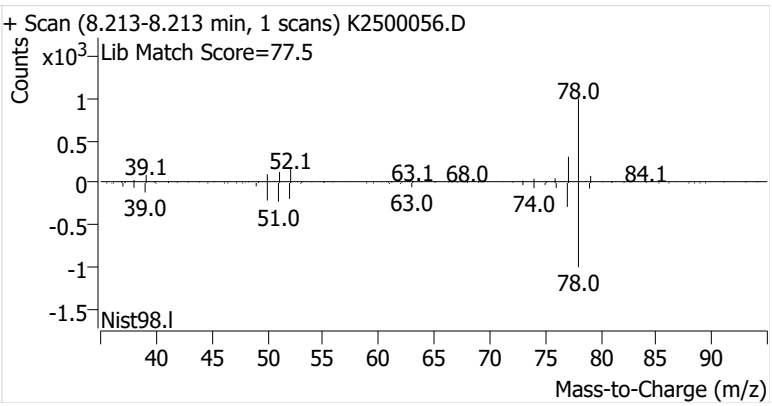
benzene-d6 (IS)



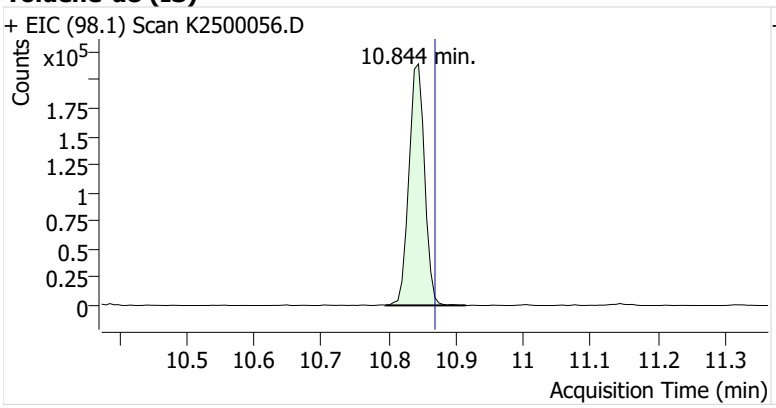


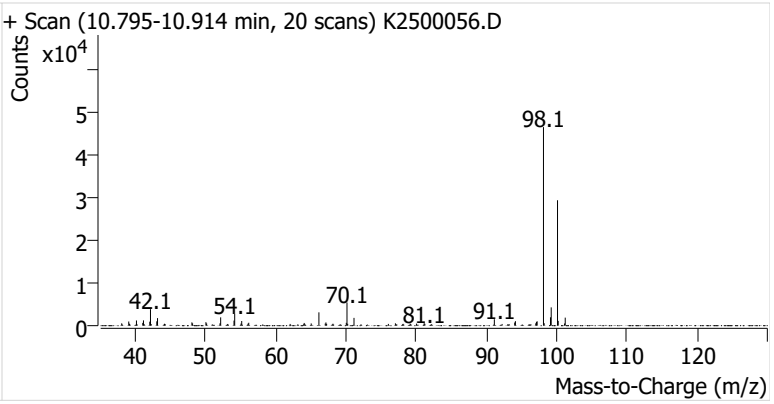
Benzene



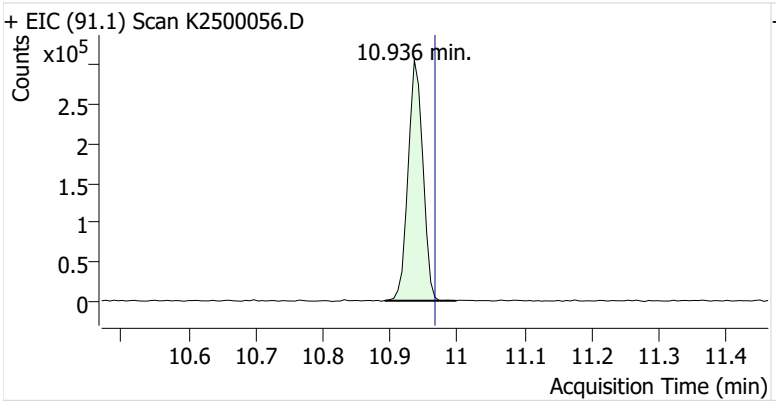


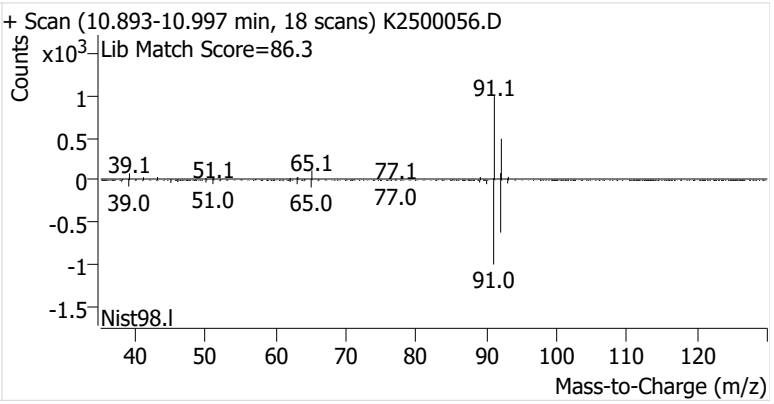
Toluene-d8 (IS)



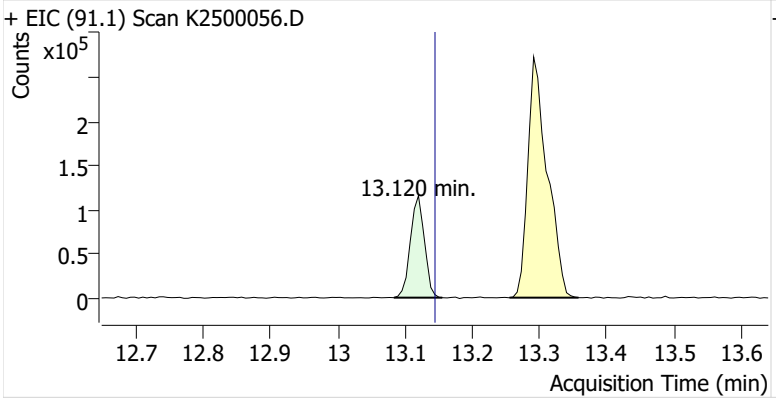


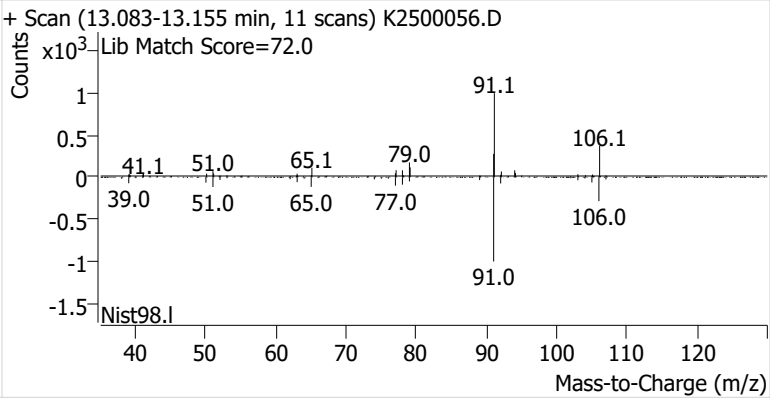
Toluene



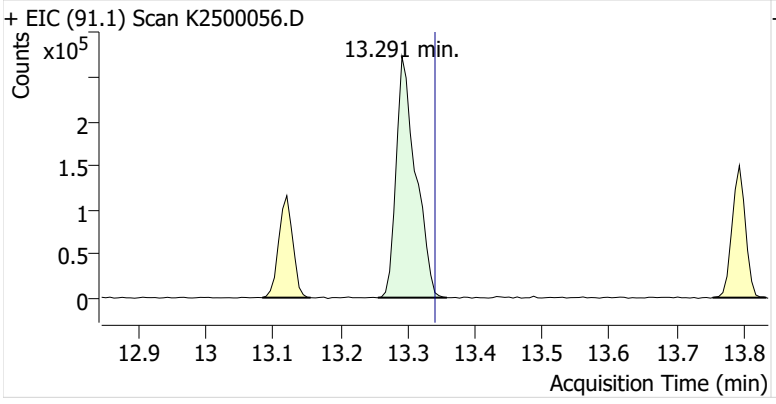


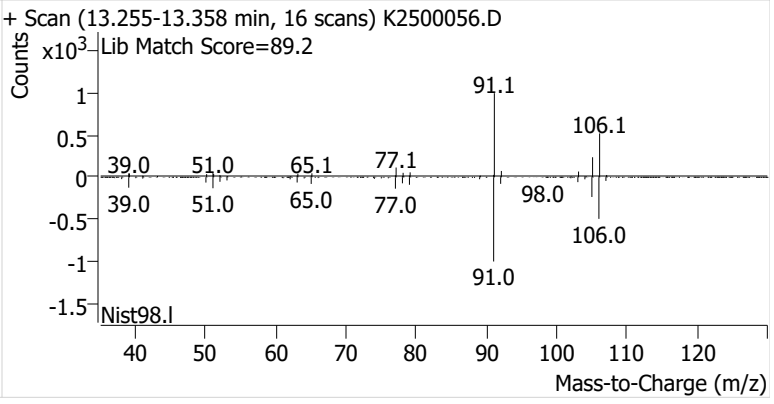
Ethylbenzene



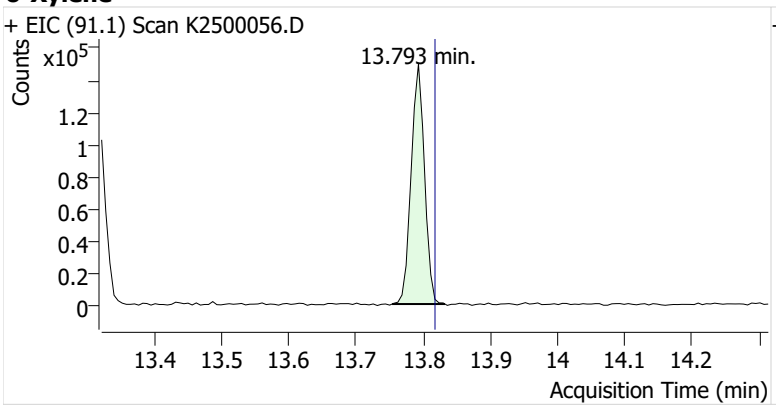


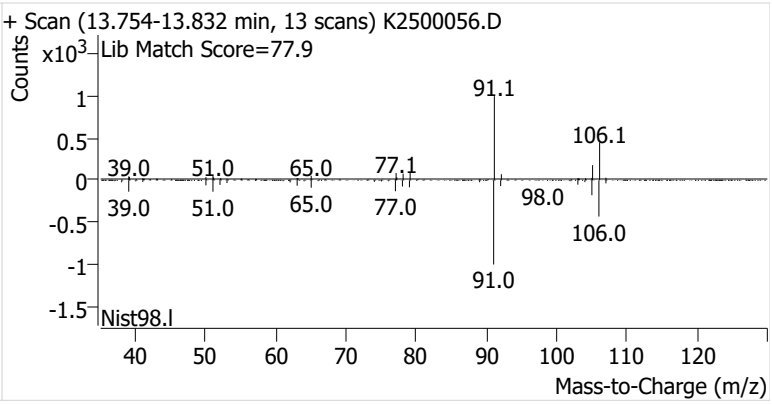
m-/p-Xylenes





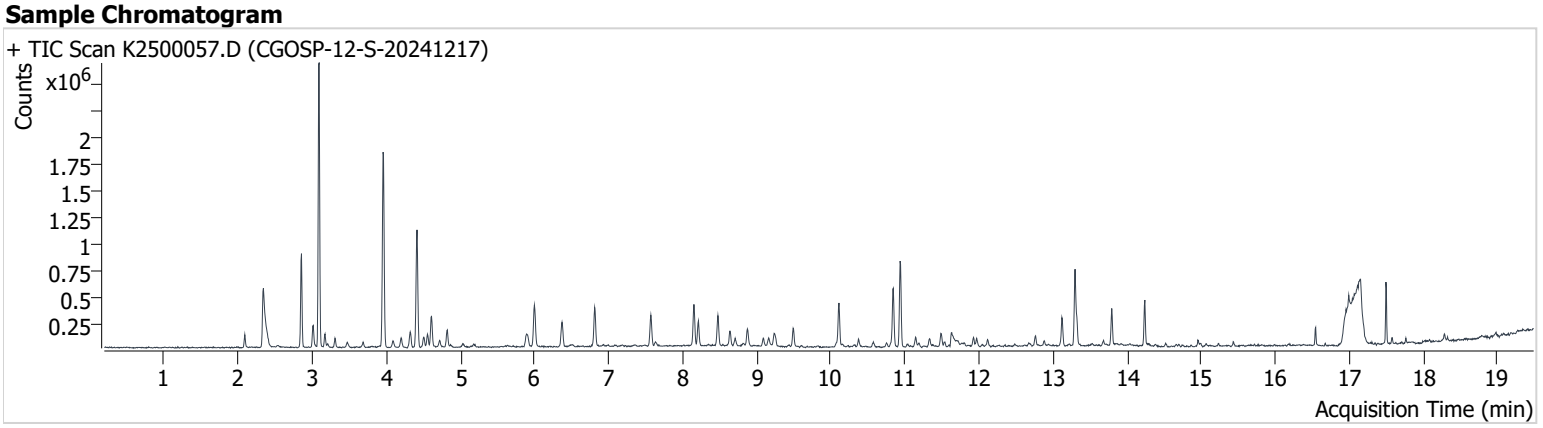
o-Xylene


+ EIC (91.1) Scan K2500056.D
Counts
x10^5
13.793 min.
1.2
1
0.8
0.6
0.4
0.2
0
13.4 13.5 13.6 13.7 13.8 13.9 14 14.1 14.2
Acquisition Time (min)


+ Scan (13.754-13.832 min, 13 scans) K2500056.D
Counts
x10^3
Lib Match Score=77.9
91.1
106.1
39.0 51.0 65.0 77.1
98.0
39.0 51.0 65.0 77.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

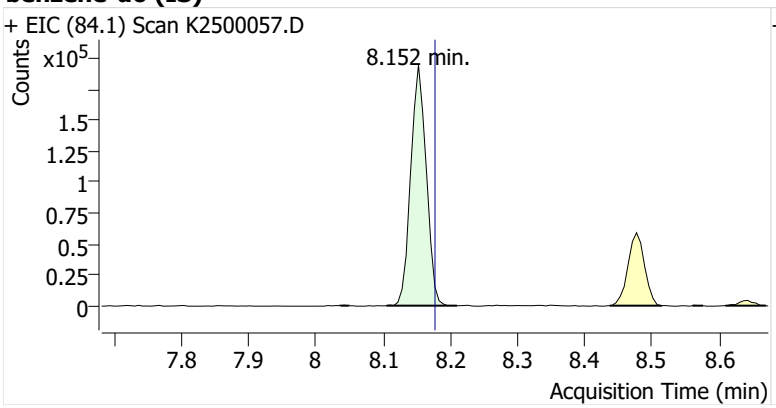
Name	CGOSP-12-S-20241217
Comment	B37405
Data File	K2500057.D
Acq. Date-Time	1/7/2025 12:13:49 AM
Acq. Method File	M325B-MTD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

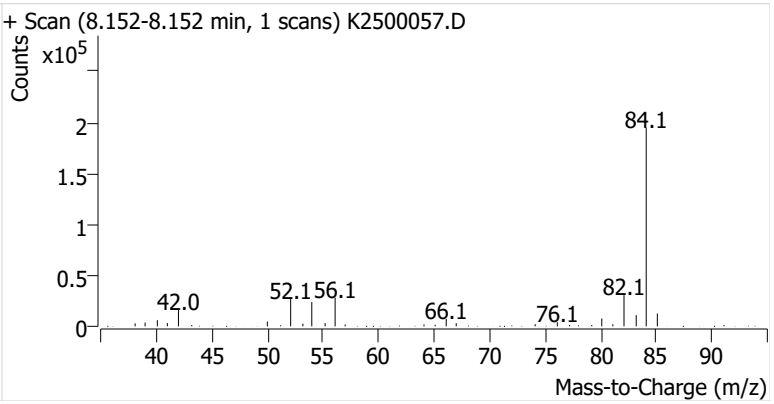
Sample Chromatogram



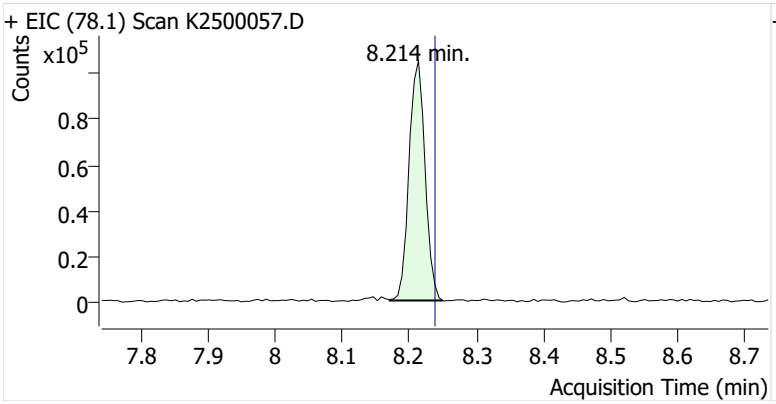
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.152	8.177	311,177	
Benzene	benzene-d6 (IS)	8.214	8.238	172,560	
Toluene-d8 (IS)		10.844	10.869	336,748	
Toluene	Toluene-d8 (IS)	10.936	10.967	534,387	
Ethylbenzene	Toluene-d8 (IS)	13.120	13.145	162,332	
m-/p-Xylenes	Toluene-d8 (IS)	13.297	13.340	476,552	
o-Xylene	Toluene-d8 (IS)	13.793	13.818	162,868	

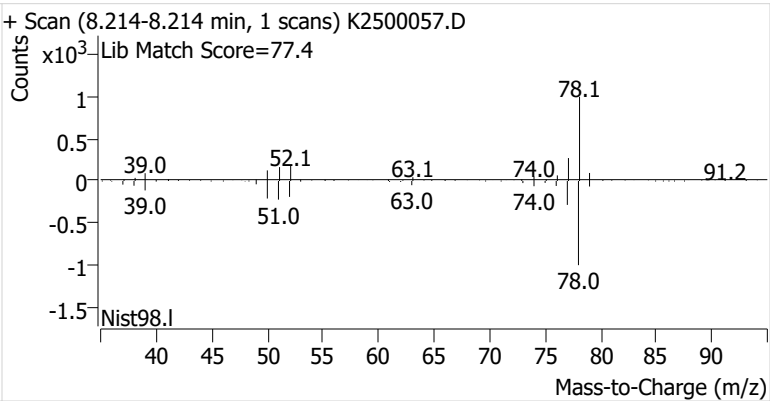
benzene-d6 (IS)



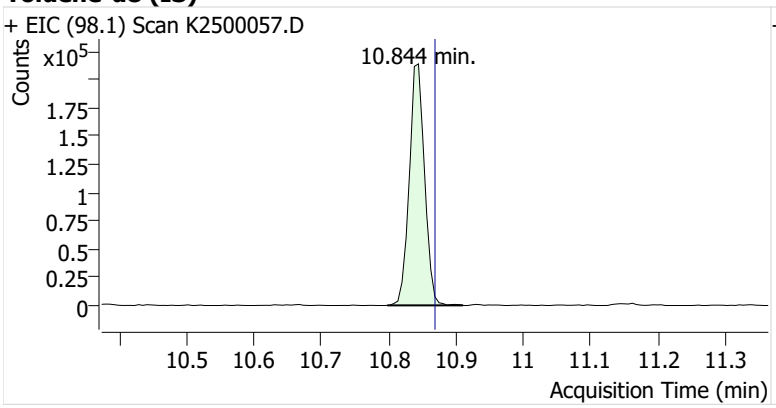


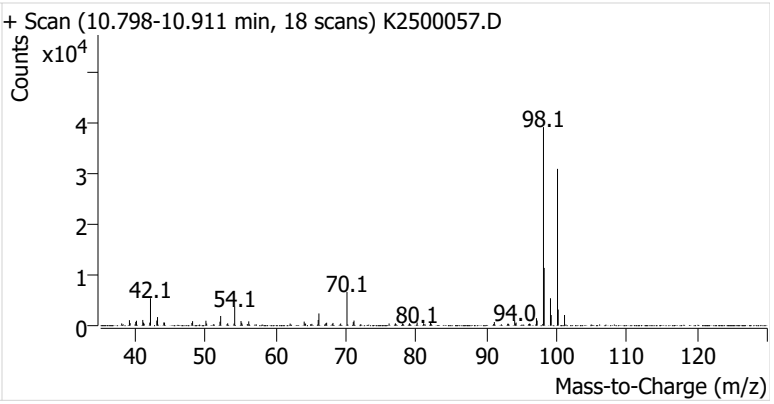
Benzene



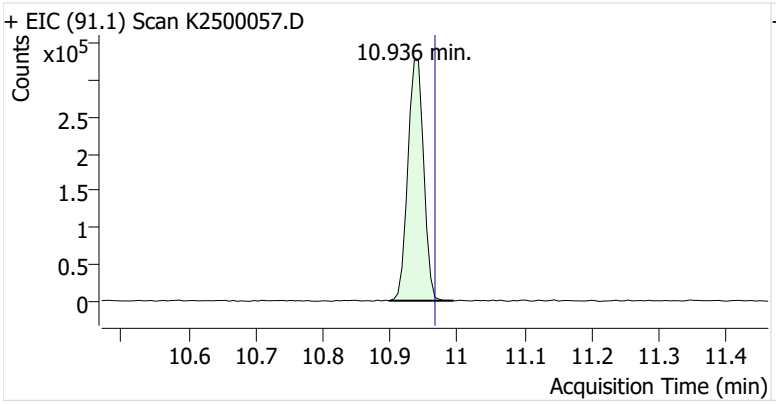


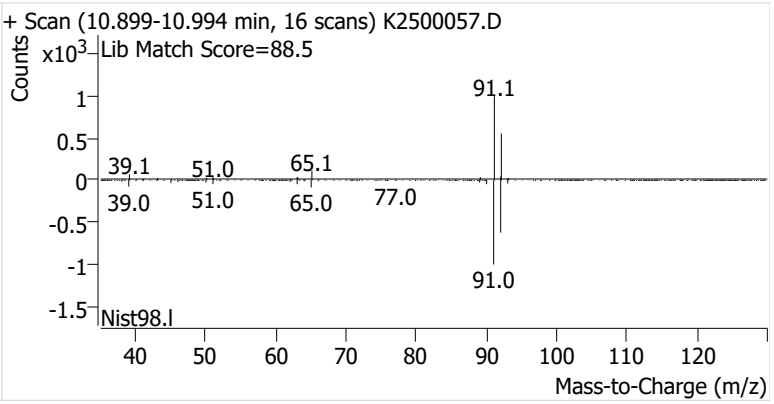
Toluene-d8 (IS)



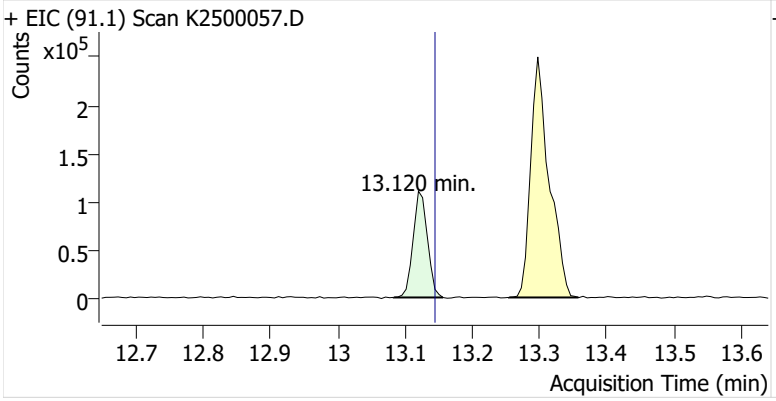


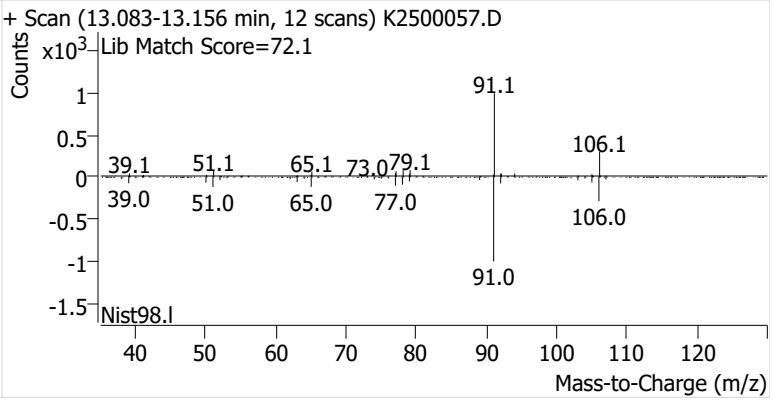
Toluene



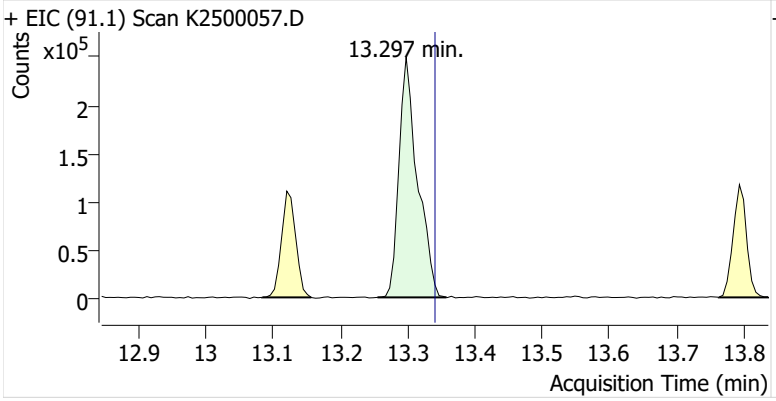


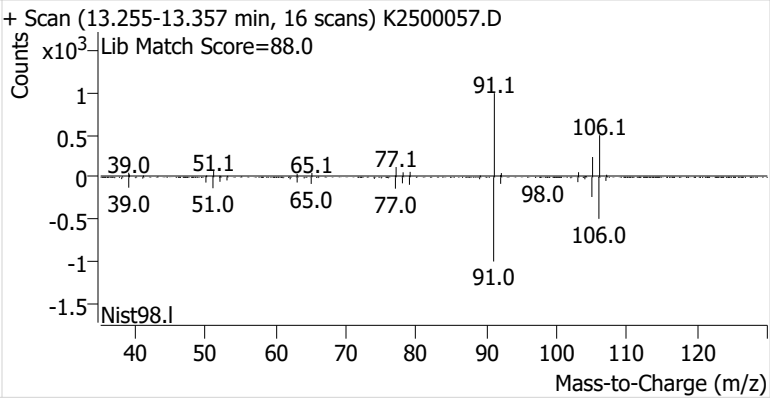
Ethylbenzene



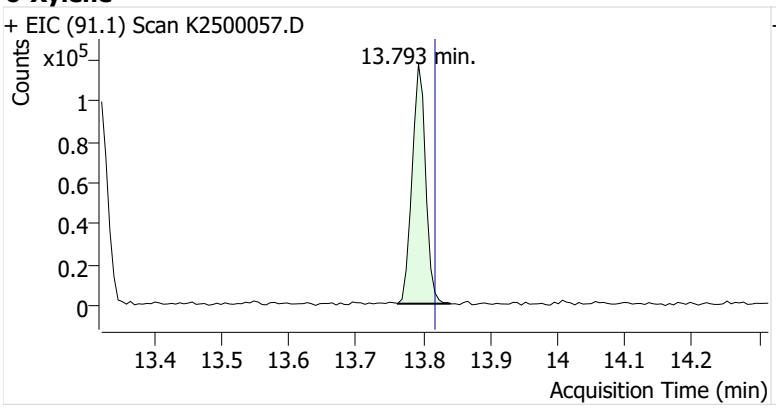


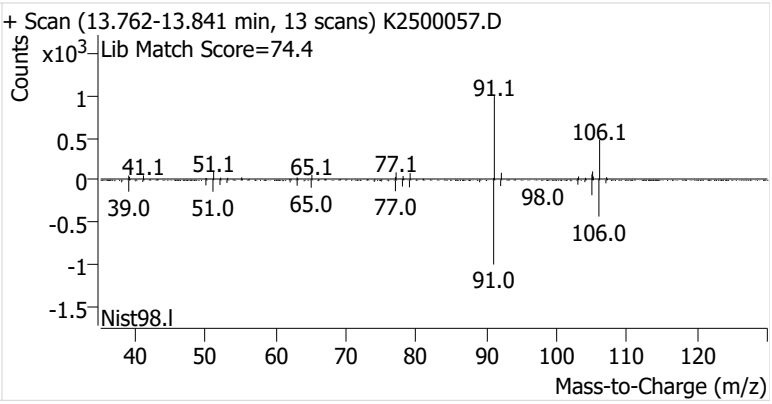
m-/p-Xylenes





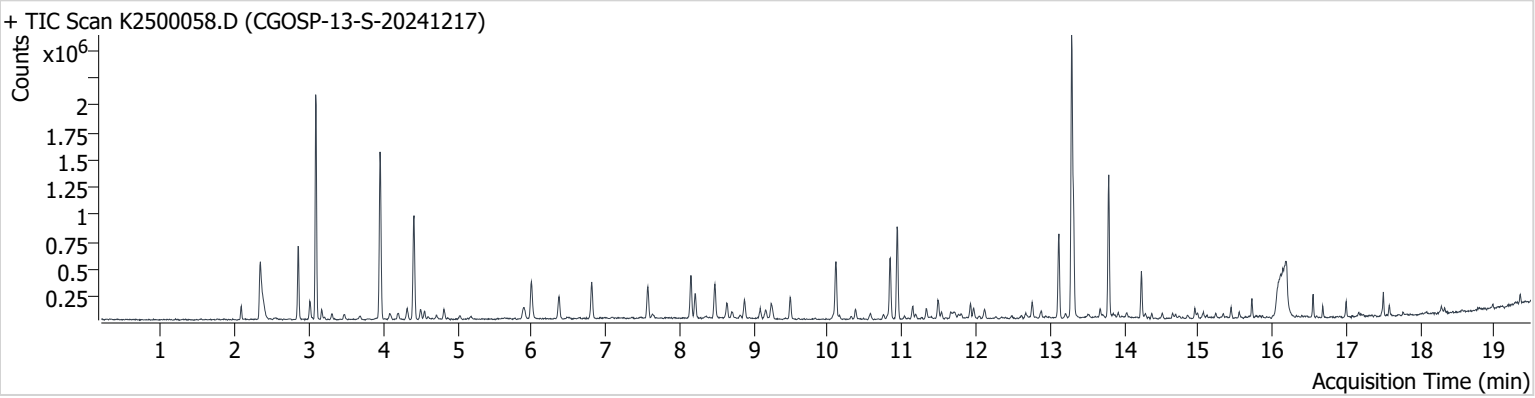
o-Xylene


+ EIC (91.1) Scan K2500057.D
Counts
x10^5
13.793 min.
1
0.8
0.6
0.4
0.2
0
13.4 13.5 13.6 13.7 13.8 13.9 14 14.1 14.2
Acquisition Time (min)


+ Scan (13.762-13.841 min, 13 scans) K2500057.D
Counts
x10^3
Lib Match Score=74.4
91.1
106.1
41.1
51.1
65.1
77.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

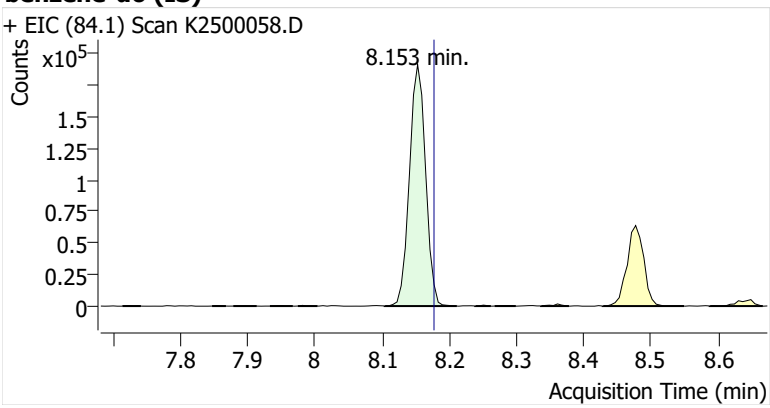
Name	CGOSP-13-S-20241217
Comment	C01321
Data File	K2500058.D
Acq. Date-Time	1/7/2025 12:42:14 AM
Acq. Method File	M325B-MTD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

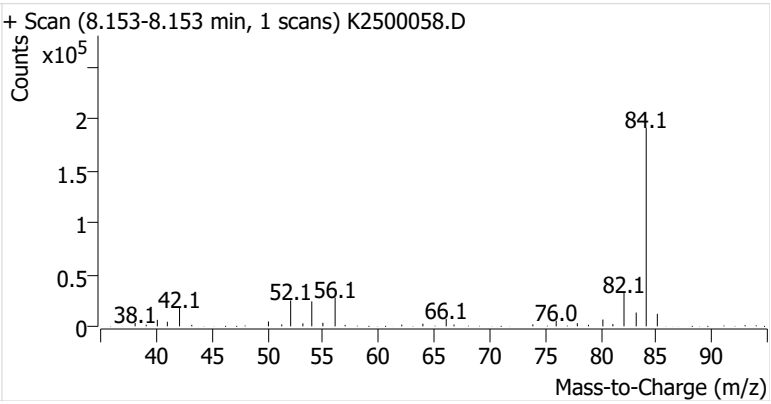
Sample Chromatogram



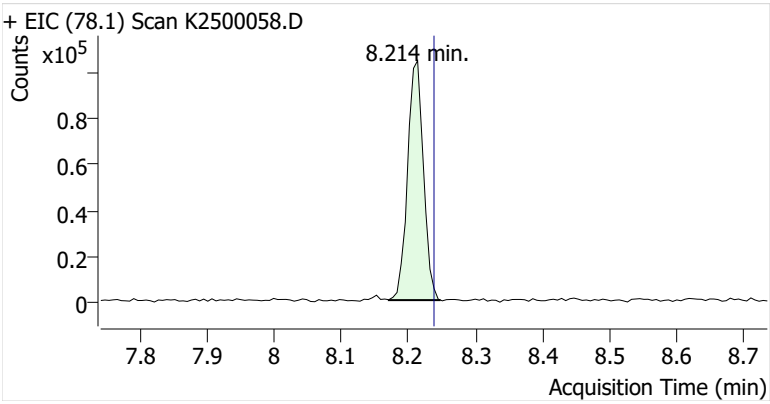
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.153	8.177	318,411	
Benzene	benzene-d6 (IS)	8.214	8.238	170,816	
Toluene-d8 (IS)		10.844	10.869	354,499	
Toluene	Toluene-d8 (IS)	10.936	10.967	546,717	
Ethylbenzene	Toluene-d8 (IS)	13.120	13.145	497,465	
m-/p-Xylenes	Toluene-d8 (IS)	13.292	13.340	1,816,708	
o-Xylene	Toluene-d8 (IS)	13.793	13.818	649,017	

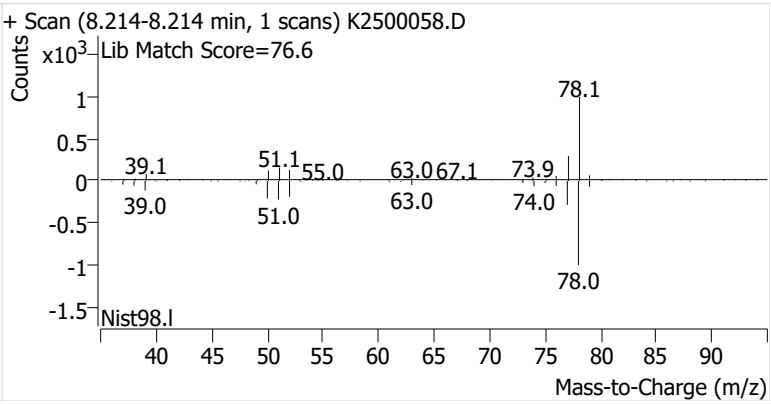
benzene-d6 (IS)



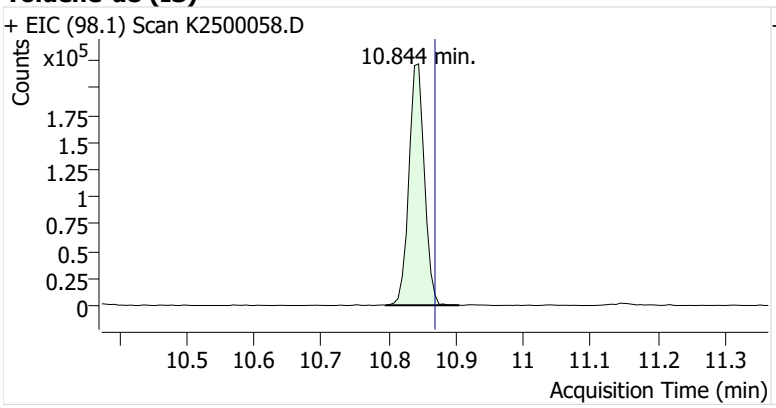


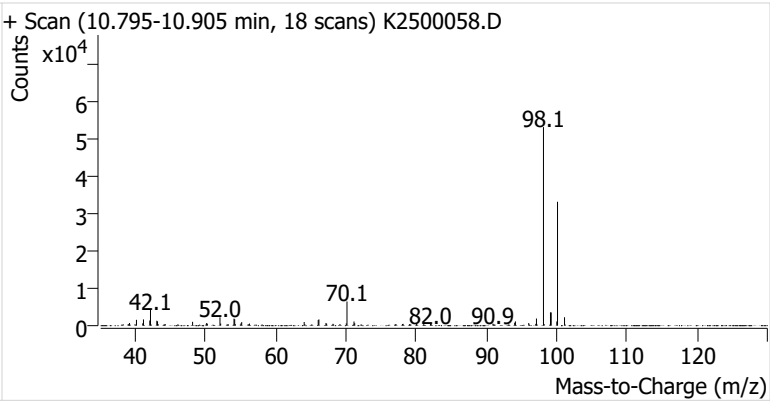
Benzene



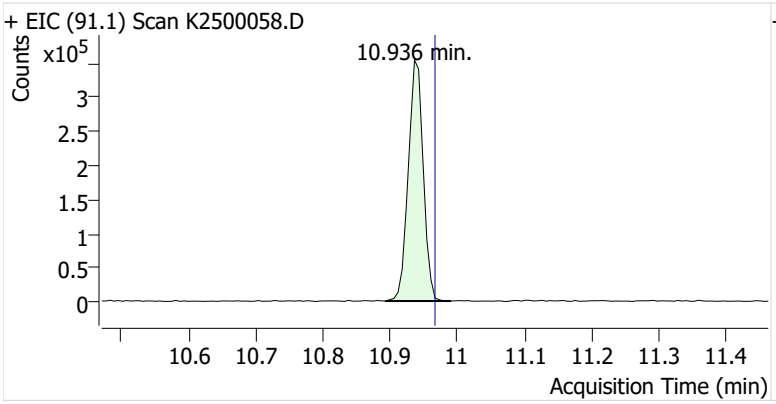


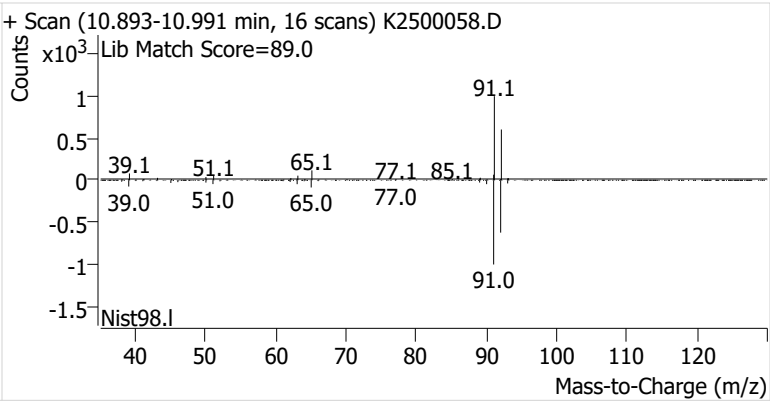
Toluene-d8 (IS)



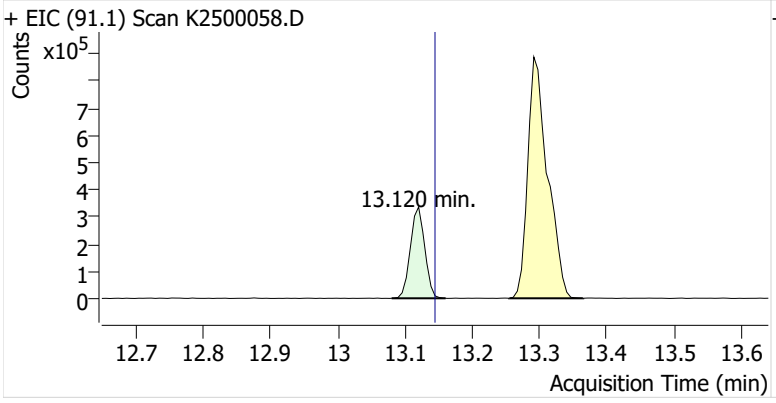


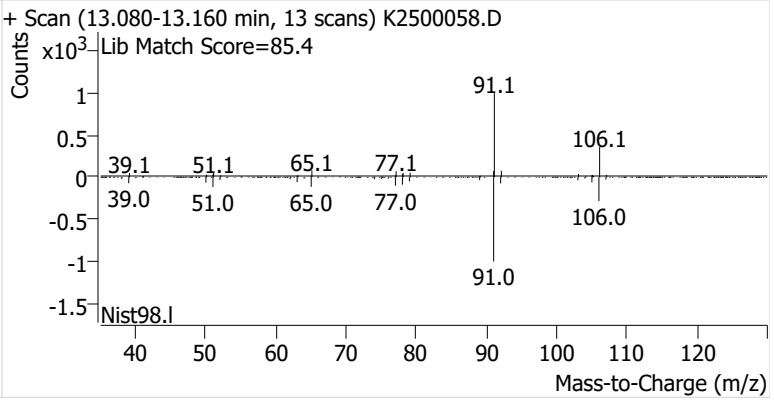
Toluene



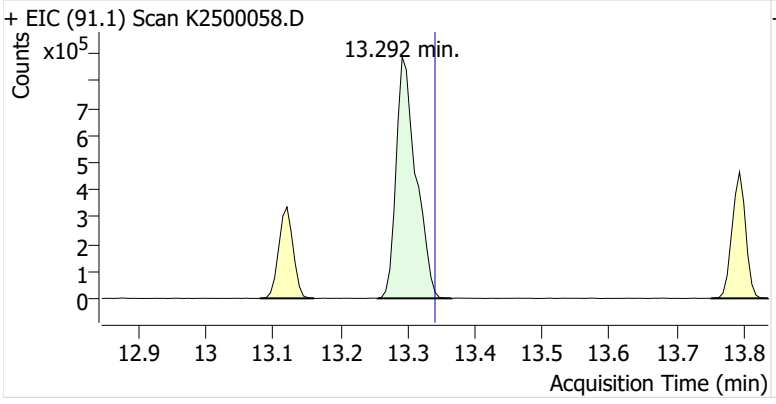


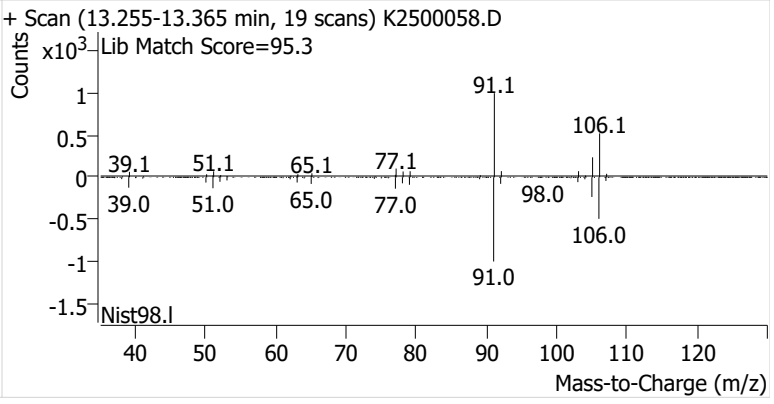
Ethylbenzene



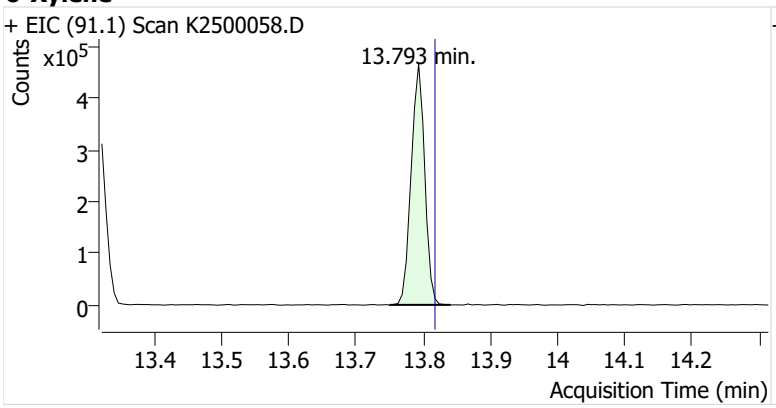


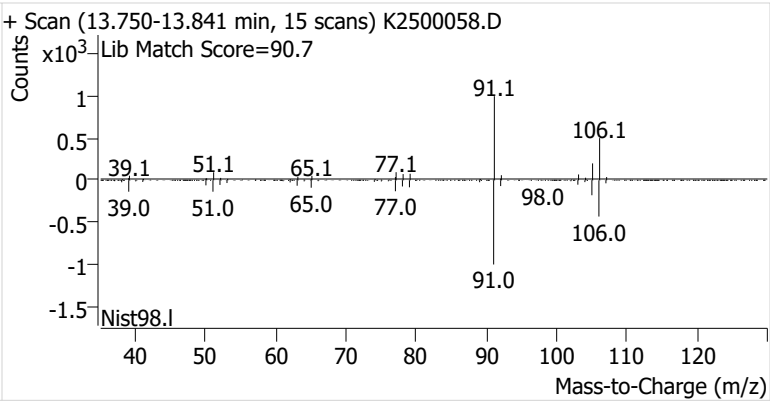
m-/p-Xylenes





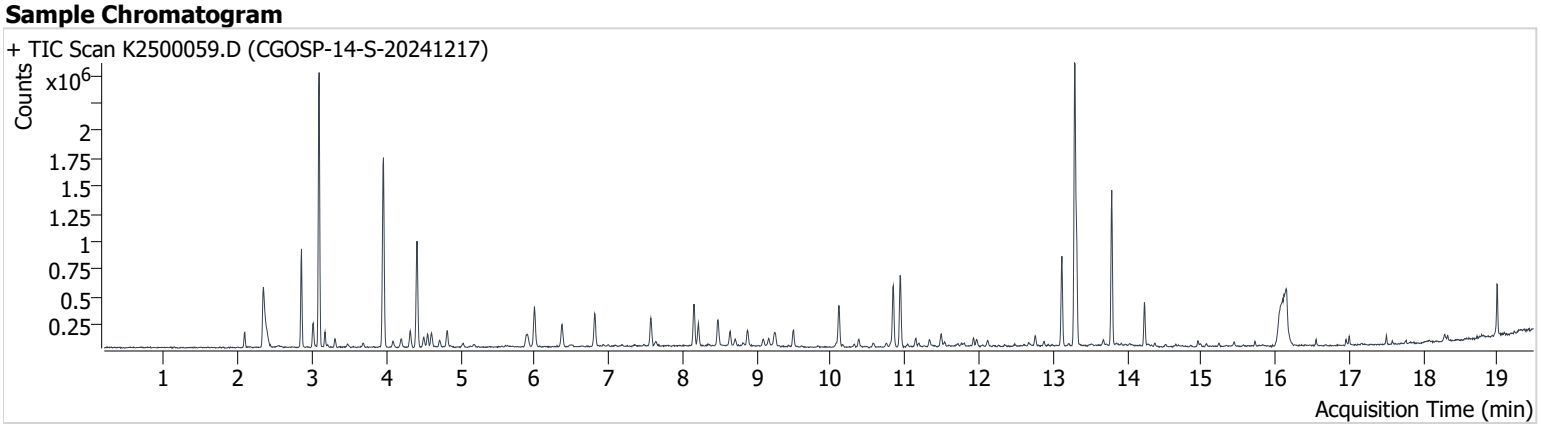
o-Xylene


+ EIC (91.1) Scan K2500058.D
Counts
x10^5
13.793 min.
4
3
2
1
0
13.4
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
Acquisition Time (min)


+ Scan (13.750-13.841 min, 15 scans) K2500058.D
Counts
x10^3
Lib Match Score=90.7
91.1
106.1
39.1
51.1
65.1
77.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

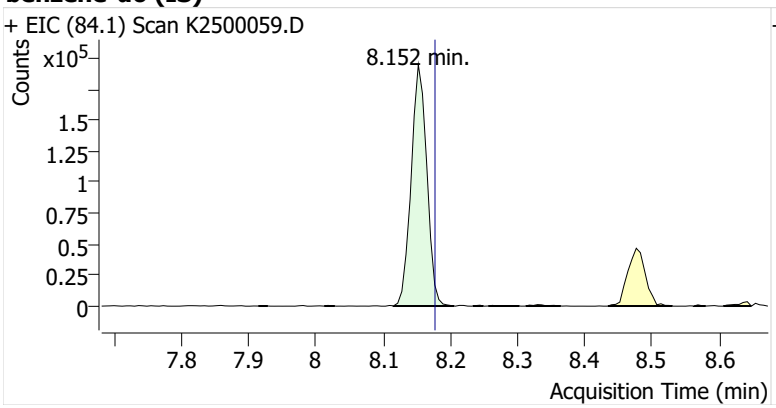
Name	CGOSP-14-S-20241217
Comment	B37340
Data File	K2500059.D
Acq. Date-Time	1/7/2025 1:09:46 AM
Acq. Method File	M325B-MTD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

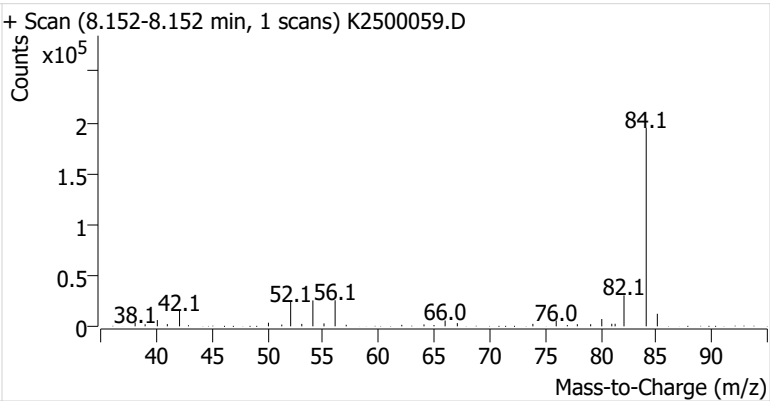
Sample Chromatogram



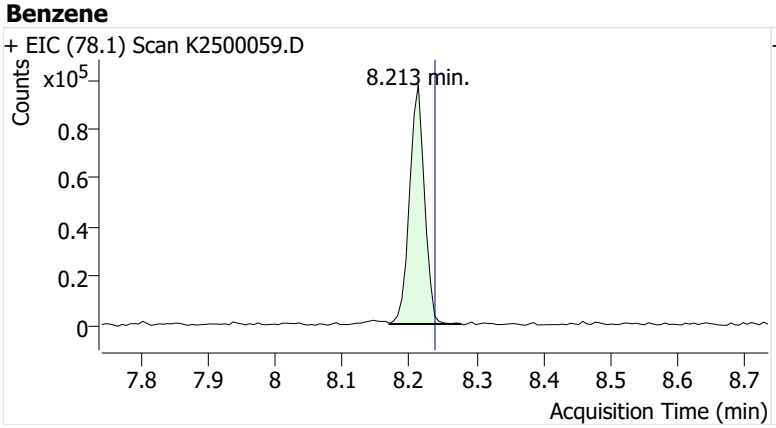
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.152	8.177	314,725	
Benzene	benzene-d6 (IS)	8.213	8.238	149,932	
Toluene-d8 (IS)		10.844	10.869	348,645	
Toluene	Toluene-d8 (IS)	10.936	10.967	421,691	
Ethylbenzene	Toluene-d8 (IS)	13.120	13.145	507,845	
m-/p-Xylenes	Toluene-d8 (IS)	13.297	13.340	1,828,343	
o-Xylene	Toluene-d8 (IS)	13.793	13.818	711,642	

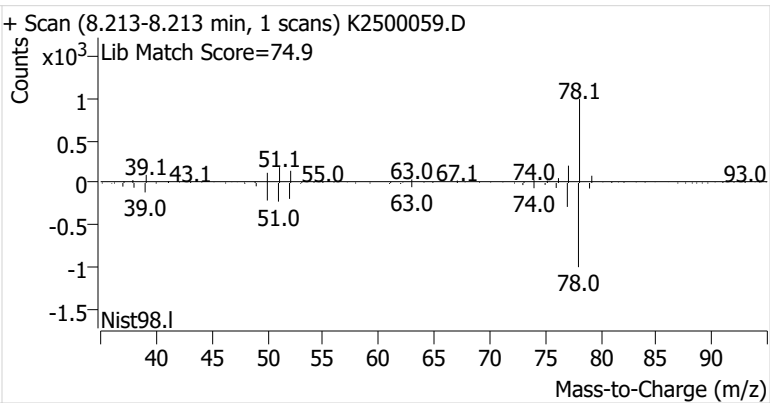
benzene-d6 (IS)



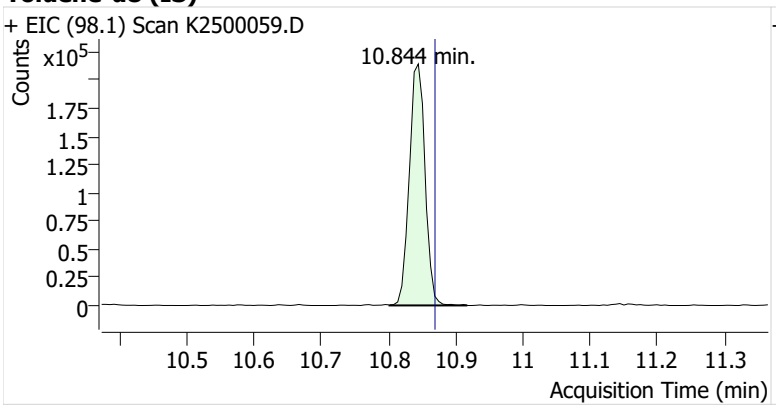


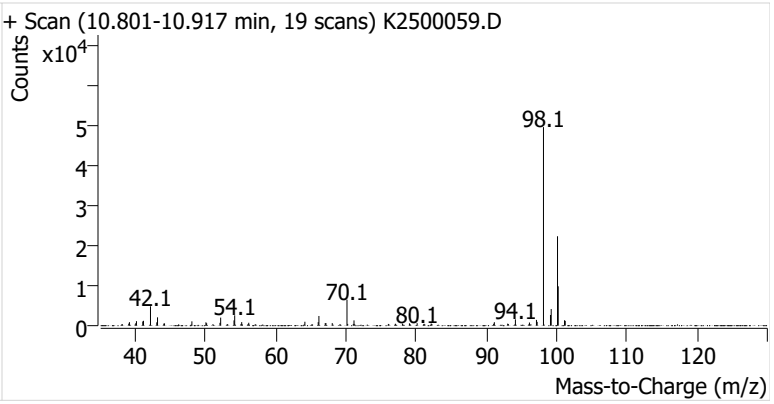
Benzene



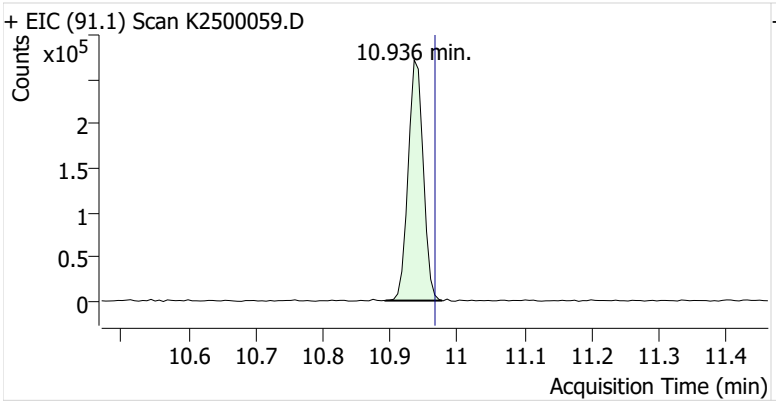


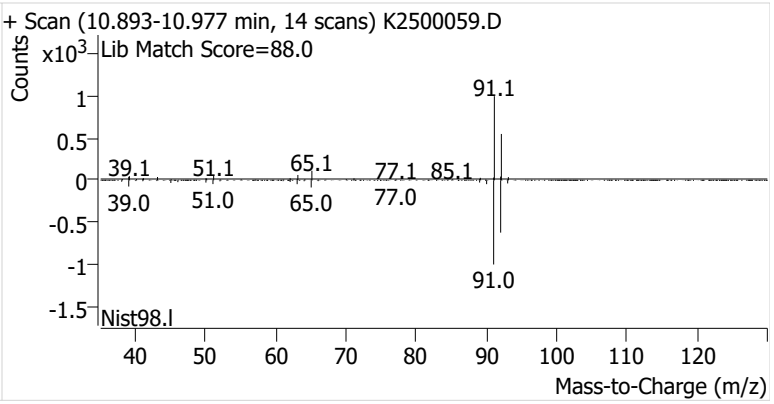
Toluene-d8 (IS)



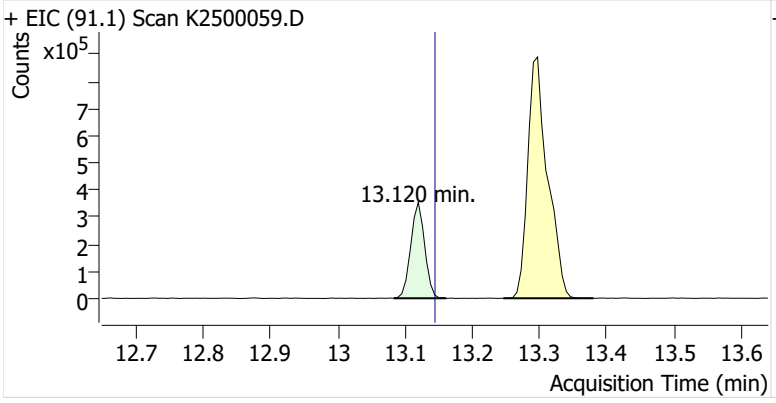


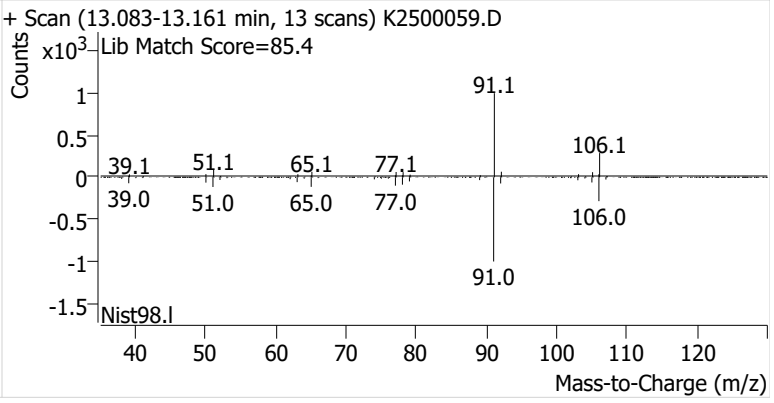
Toluene



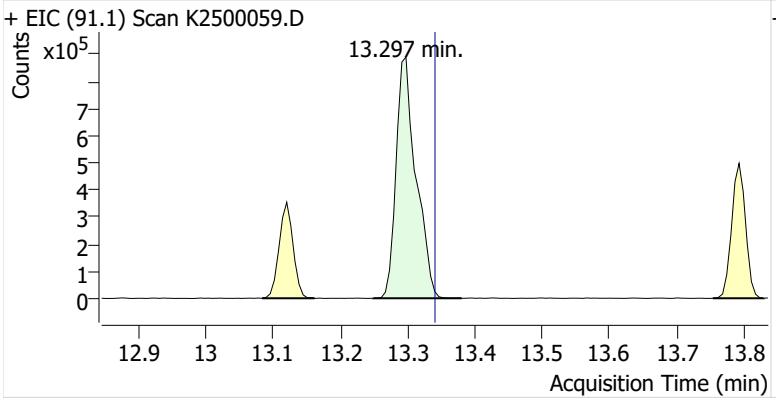


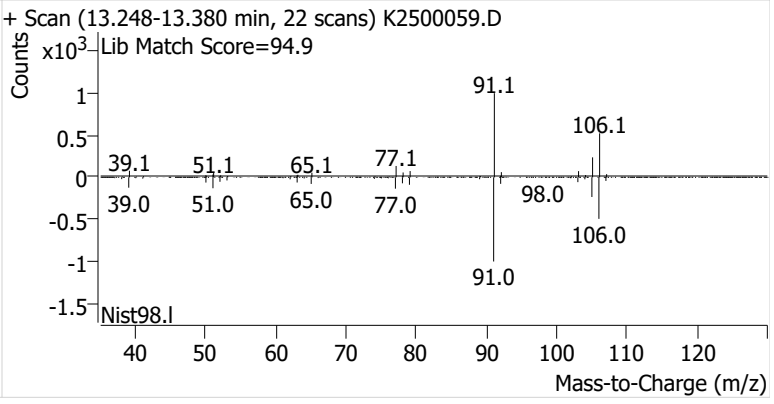
Ethylbenzene



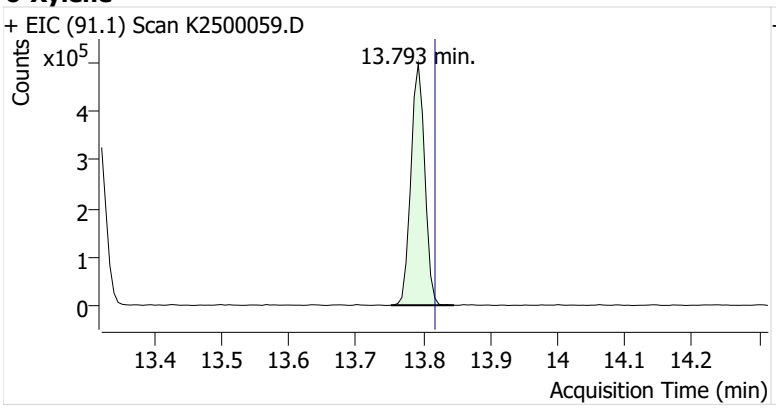


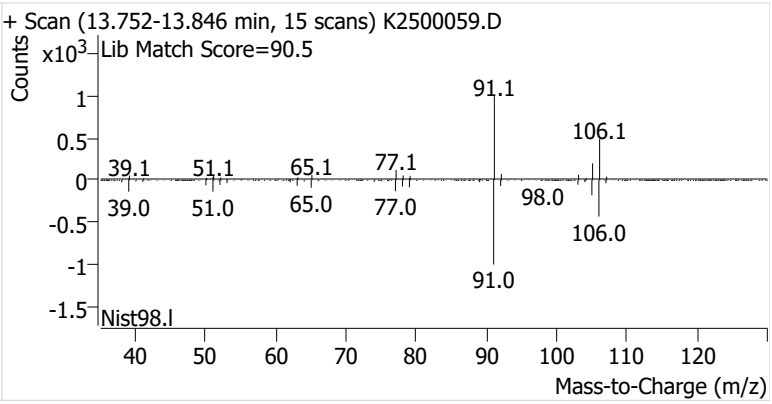
m-/p-Xylenes





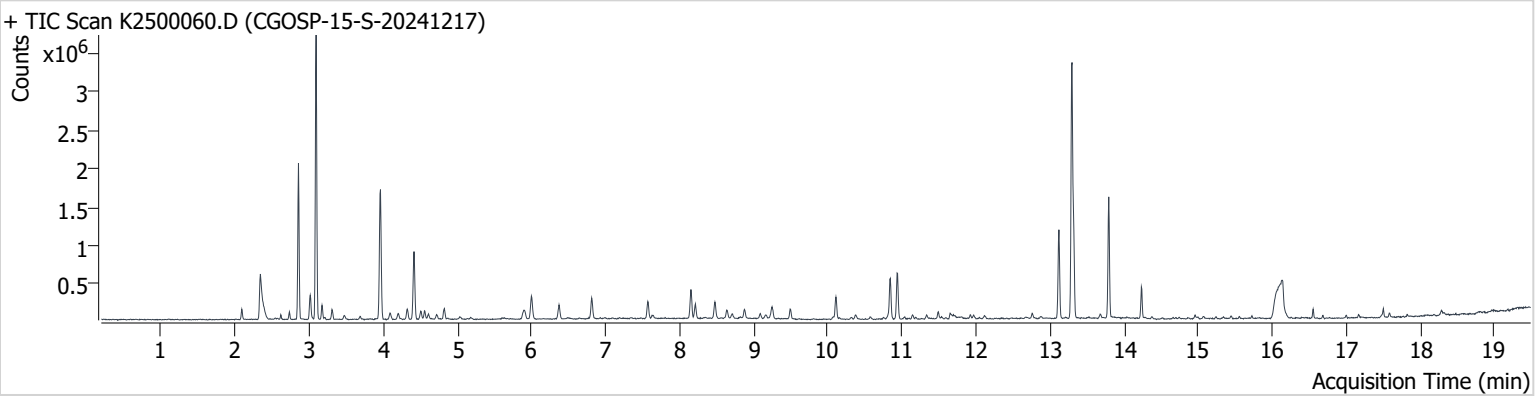
o-Xylene


+ EIC (91.1) Scan K2500059.D
Counts
x10^5
13.793 min.
4
3
2
1
0
13.4 13.5 13.6 13.7 13.8 13.9 14 14.1 14.2
Acquisition Time (min)


+ Scan (13.752-13.846 min, 15 scans) K2500059.D
Counts
x10^3
Lib Match Score=90.5
1
0.5
0
-0.5
-1
-1.5
91.1
106.1
39.1
51.1
65.1
77.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

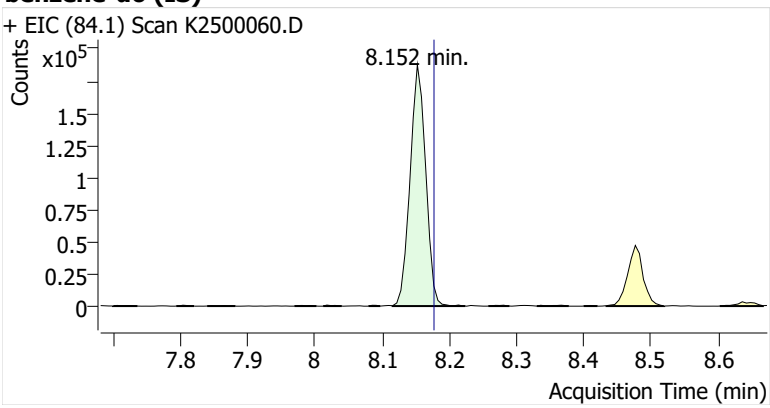
Name	CGOSP-15-S-20241217
Comment	B16383
Data File	K2500060.D
Acq. Date-Time	1/7/2025 1:37:19 AM
Acq. Method File	M325B-MTD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

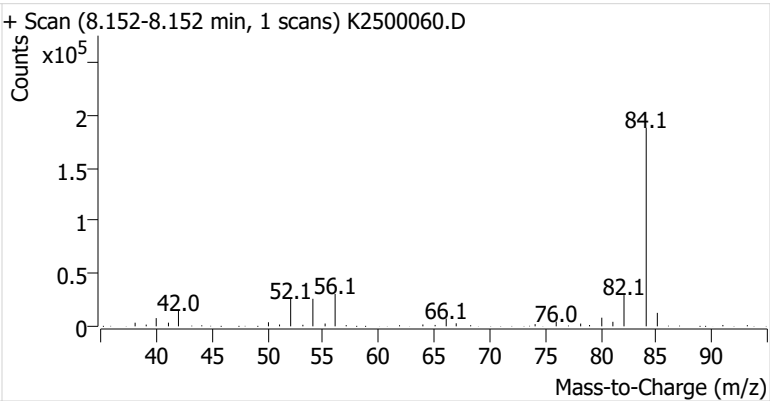
Sample Chromatogram



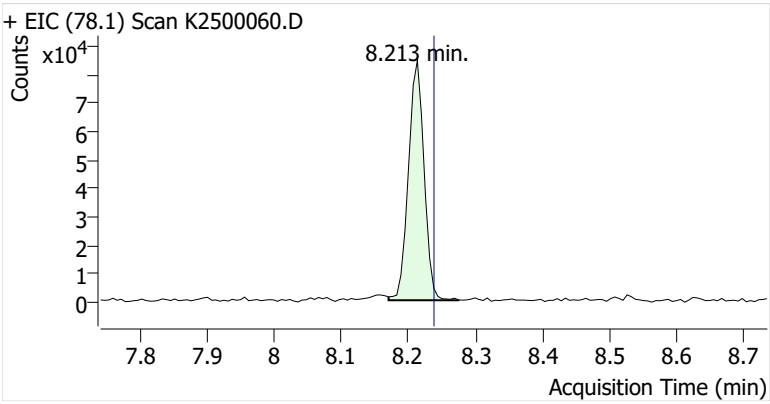
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.152	8.177	302,859	
Benzene	benzene-d6 (IS)	8.213	8.238	136,088	
Toluene-d8 (IS)		10.838	10.869	332,822	
Toluene	Toluene-d8 (IS)	10.936	10.967	379,812	
Ethylbenzene	Toluene-d8 (IS)	13.120	13.145	753,274	
m-/p-Xylenes	Toluene-d8 (IS)	13.297	13.340	2,316,347	
o-Xylene	Toluene-d8 (IS)	13.793	13.818	784,720	

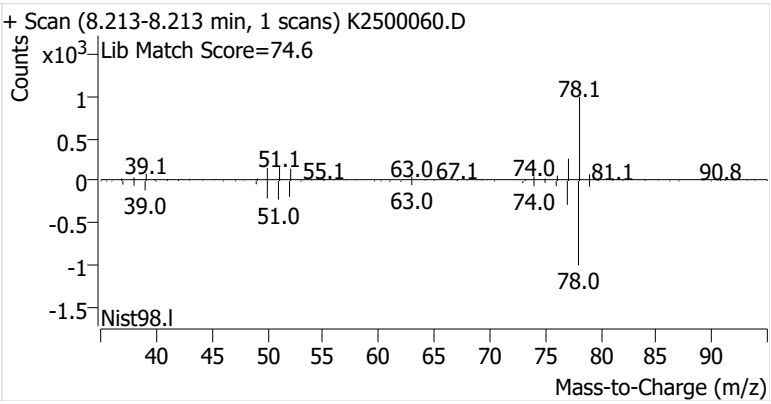
benzene-d6 (IS)



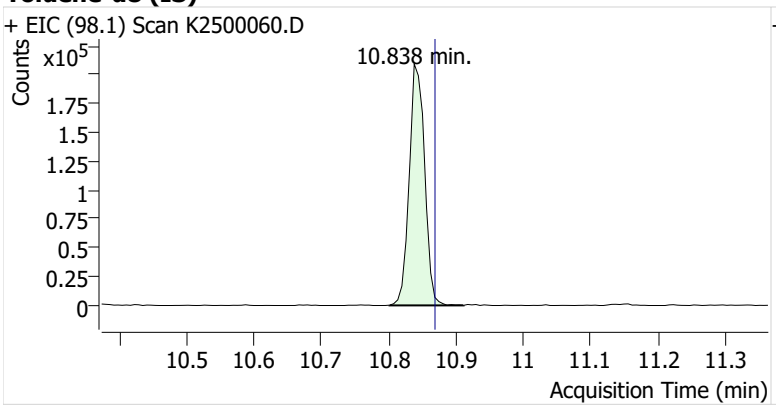


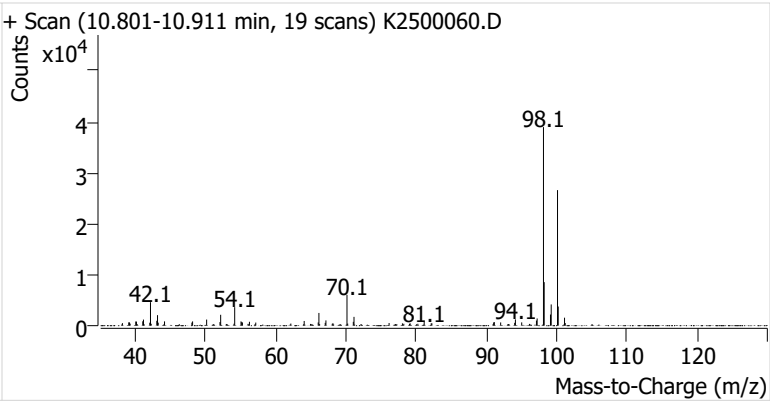
Benzene



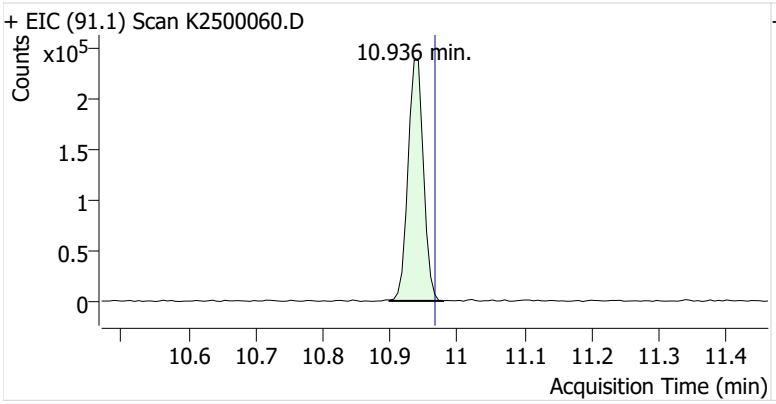


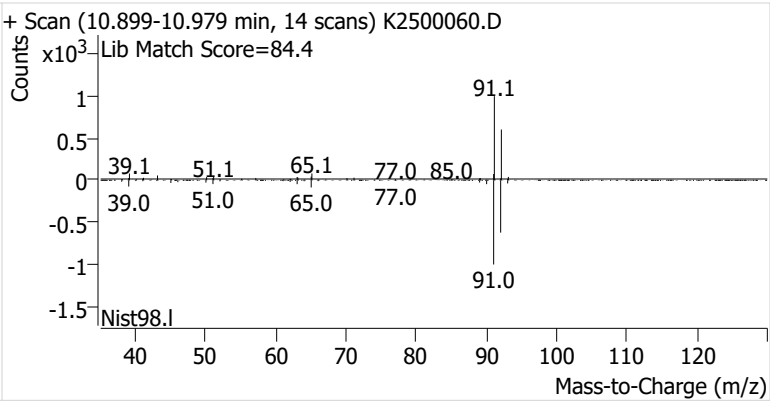
Toluene-d8 (IS)



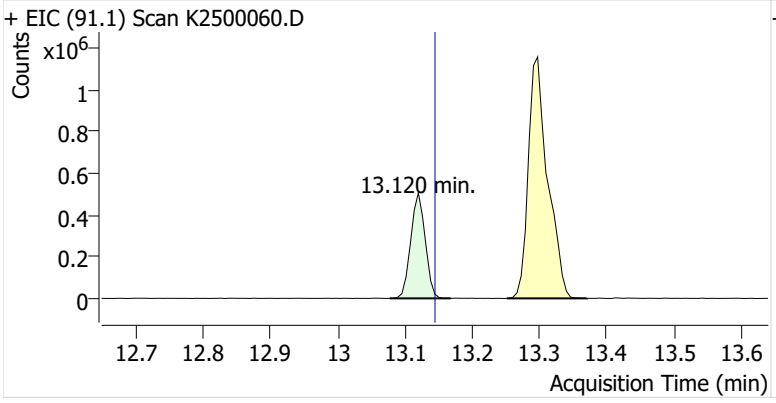


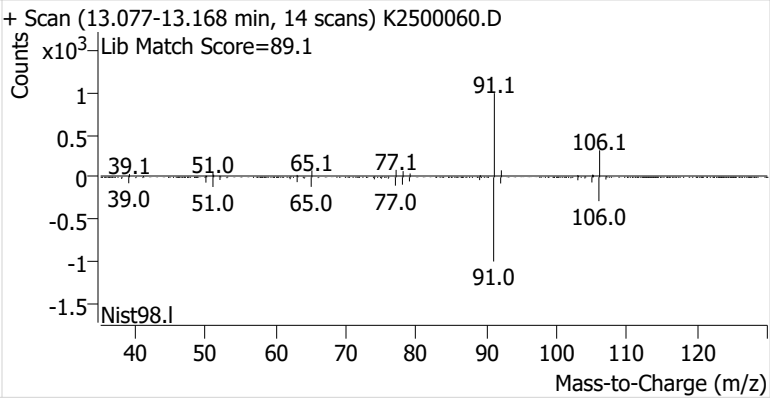
Toluene



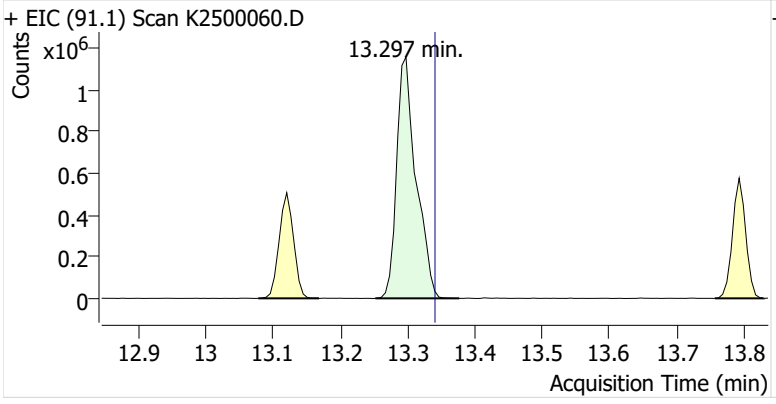


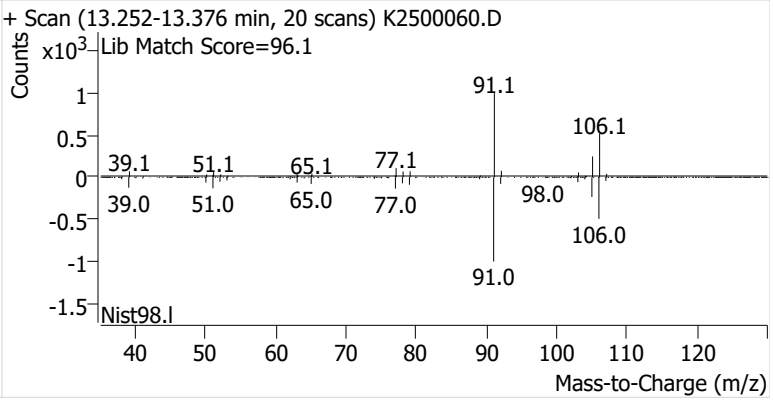
Ethylbenzene



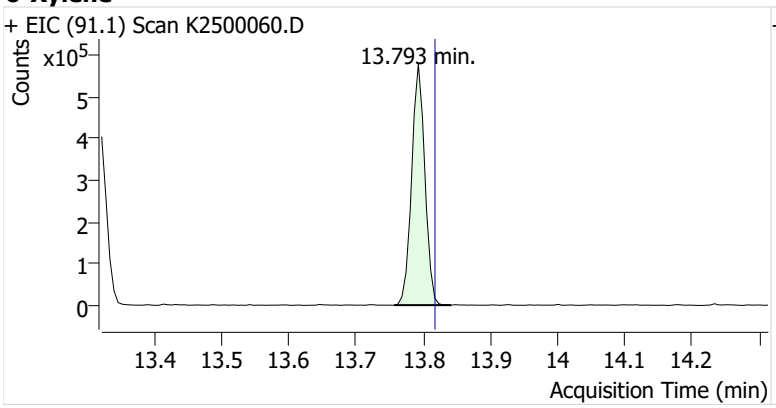


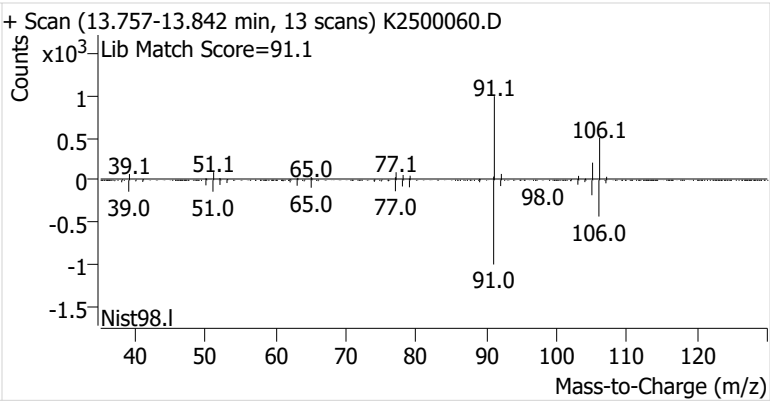
m-/p-Xylenes





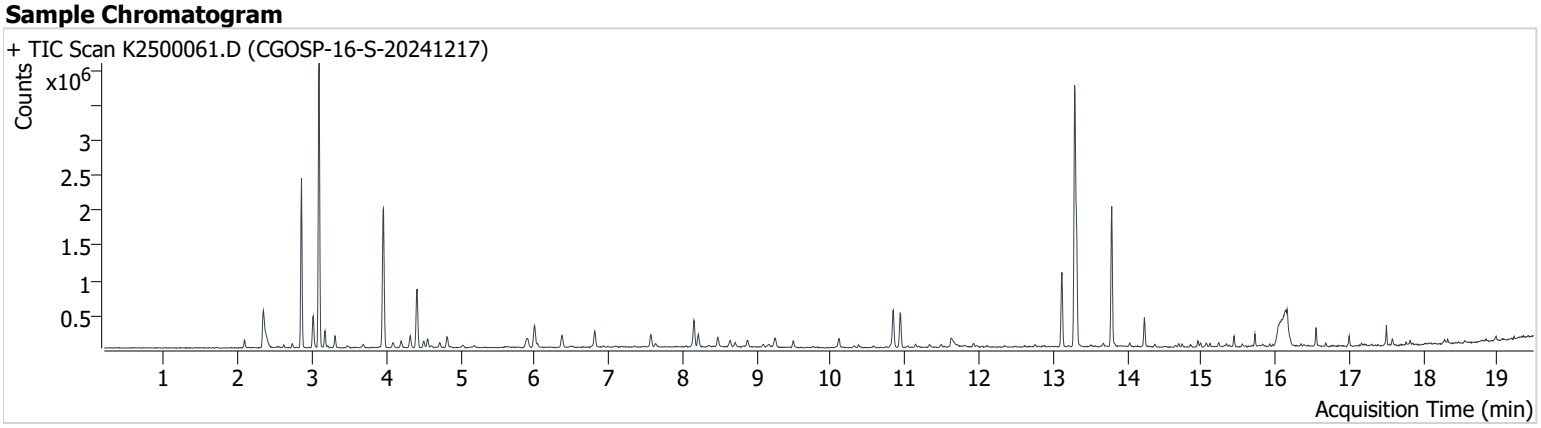
o-Xylene


+ EIC (91.1) Scan K2500060.D
Counts
x10^5
13.793 min.
5
4
3
2
1
0
13.4 13.5 13.6 13.7 13.8 13.9 14 14.1 14.2
Acquisition Time (min)


+ Scan (13.757-13.842 min, 13 scans) K2500060.D
Counts
x10^3
Lib Match Score=91.1
91.1
106.1
39.1
51.1
65.0
77.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

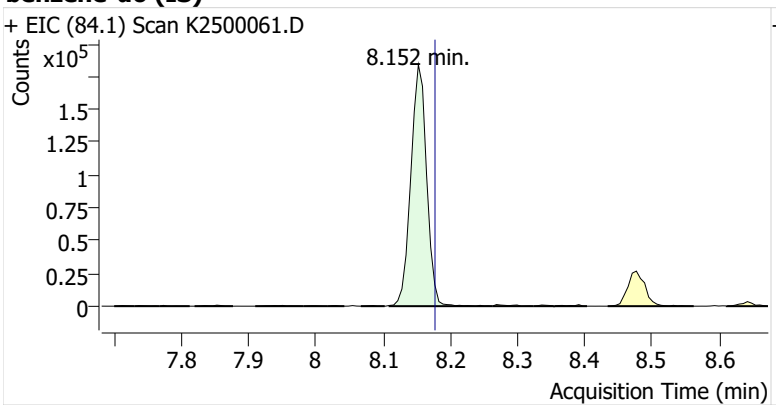
Name	CGOSP-16-S-20241217
Comment	C27866
Data File	K2500061.D
Acq. Date-Time	1/7/2025 2:04:54 AM
Acq. Method File	M325B-MTD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

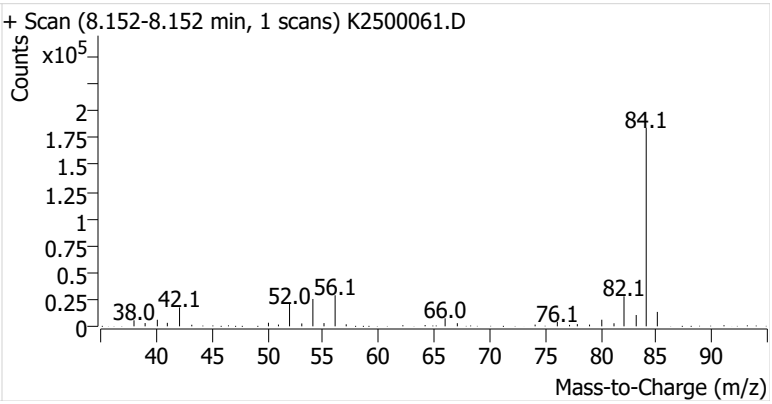
Sample Chromatogram



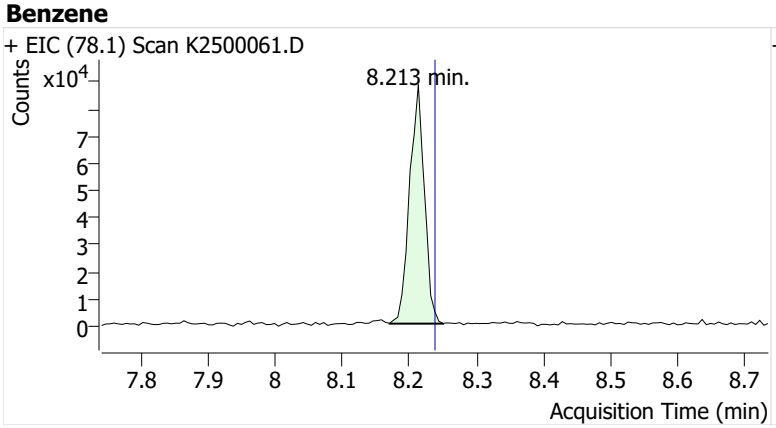
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.152	8.177	301,099	
Benzene	benzene-d6 (IS)	8.213	8.238	135,171	
Toluene-d8 (IS)		10.844	10.869	343,668	
Toluene	Toluene-d8 (IS)	10.936	10.967	309,702	
Ethylbenzene	Toluene-d8 (IS)	13.120	13.145	675,391	
m-/p-Xylenes	Toluene-d8 (IS)	13.291	13.340	2,712,091	
o-Xylene	Toluene-d8 (IS)	13.793	13.818	1,011,717	

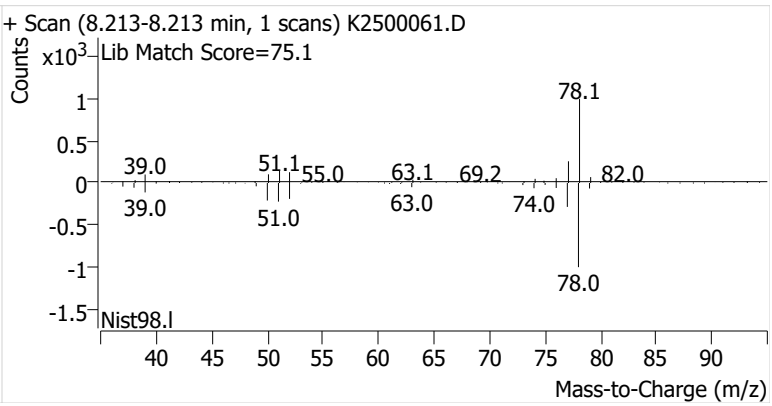
benzene-d6 (IS)



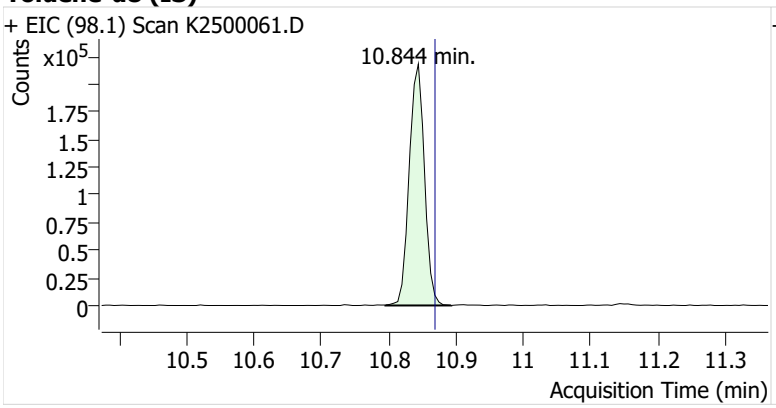


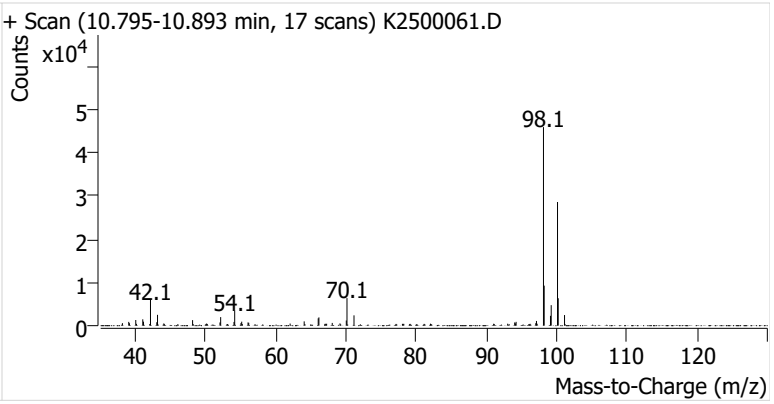
Benzene



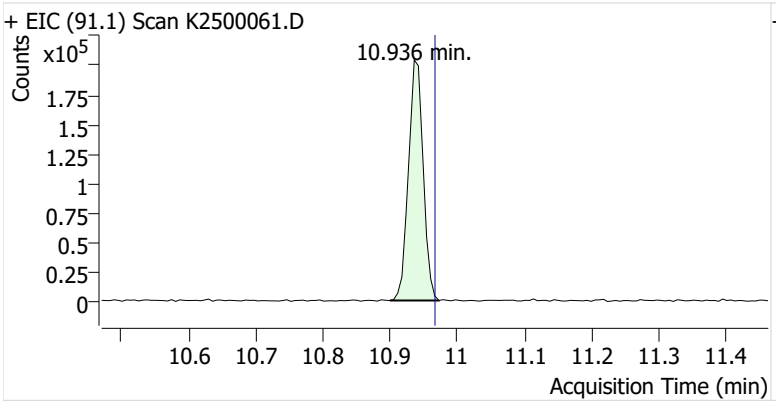


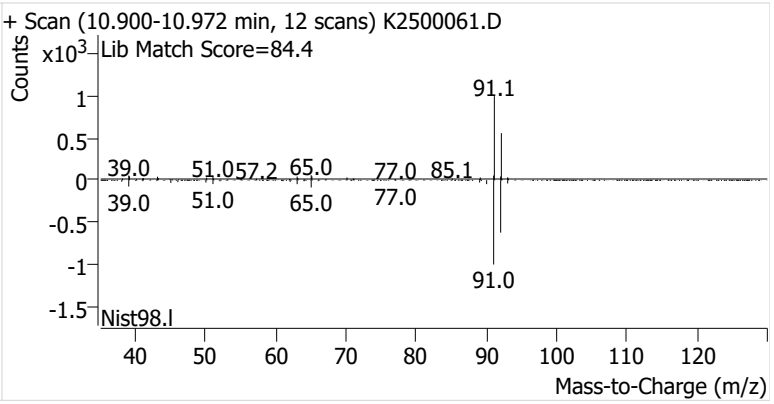
Toluene-d8 (IS)



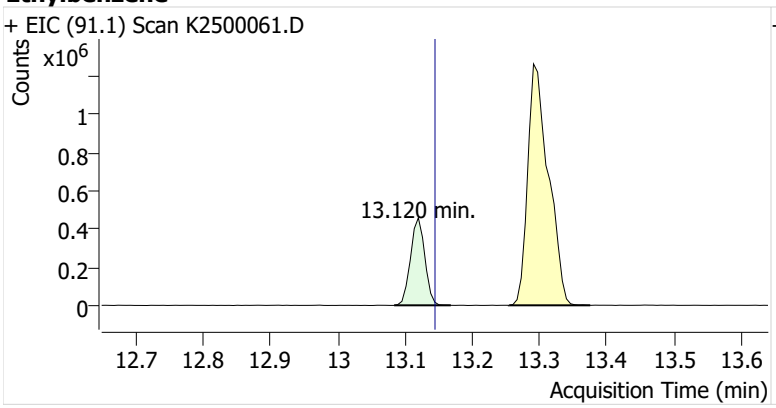


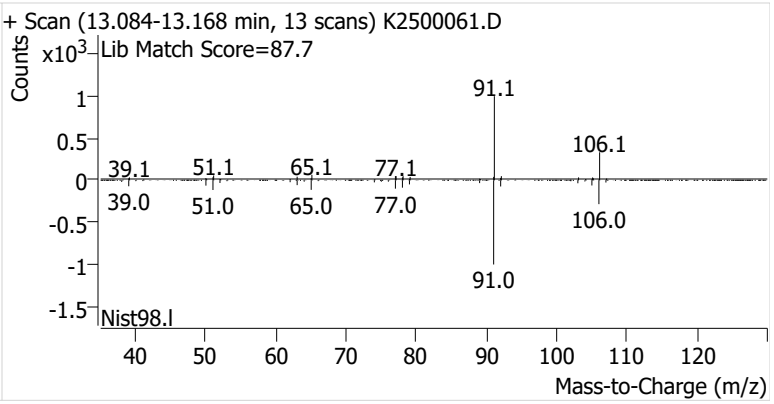
Toluene



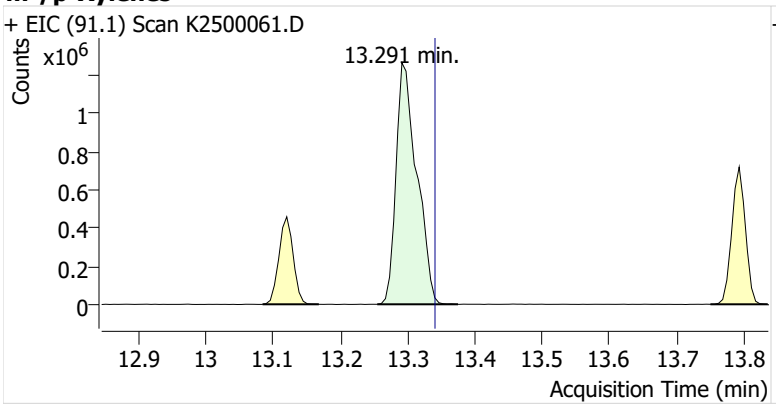


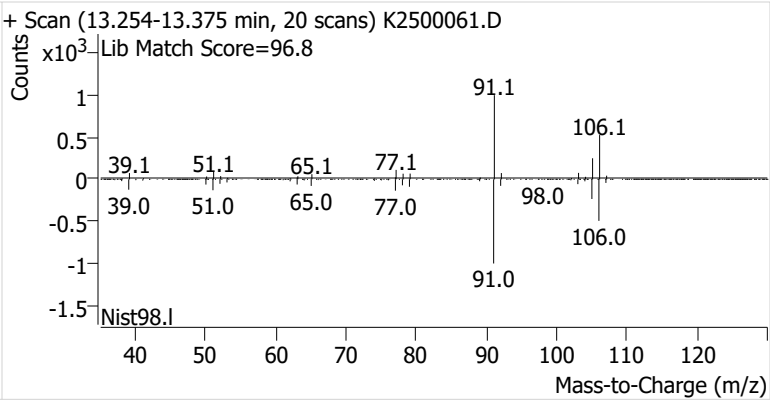
Ethylbenzene



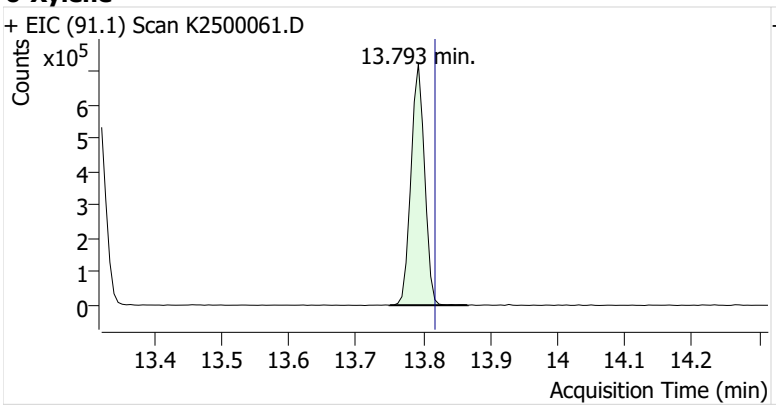


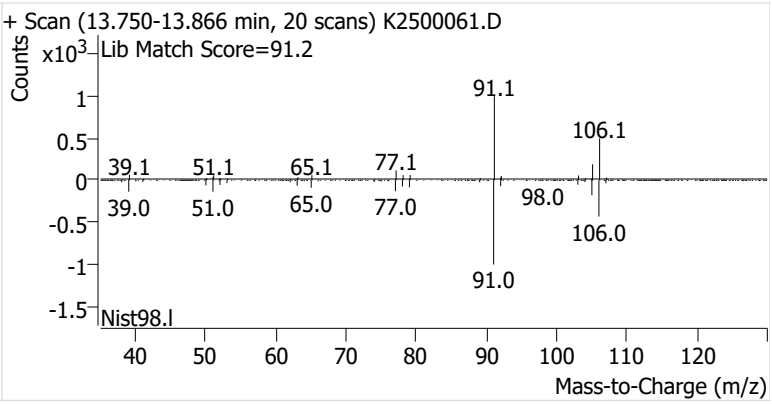
m-/p-Xylenes





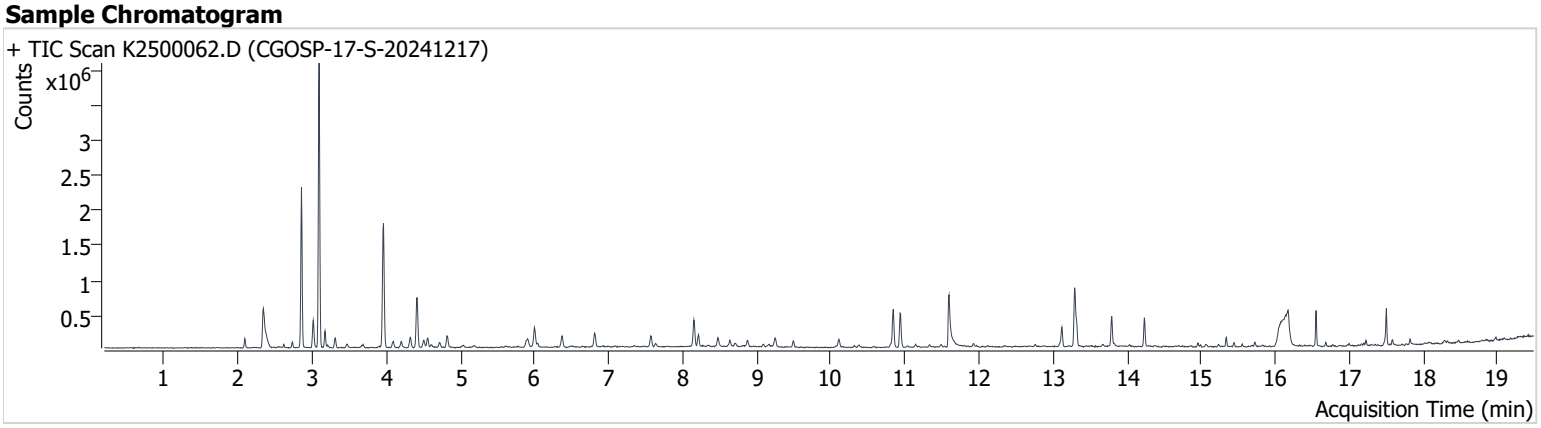
o-Xylene


+ EIC (91.1) Scan K2500061.D
Counts
x10^5
13.793 min.
6
5
4
3
2
1
0
13.4
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
Acquisition Time (min)


+ Scan (13.750-13.866 min, 20 scans) K2500061.D
Counts
x10^3
Lib Match Score=91.2
91.1
106.1
39.1
51.1
65.1
77.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

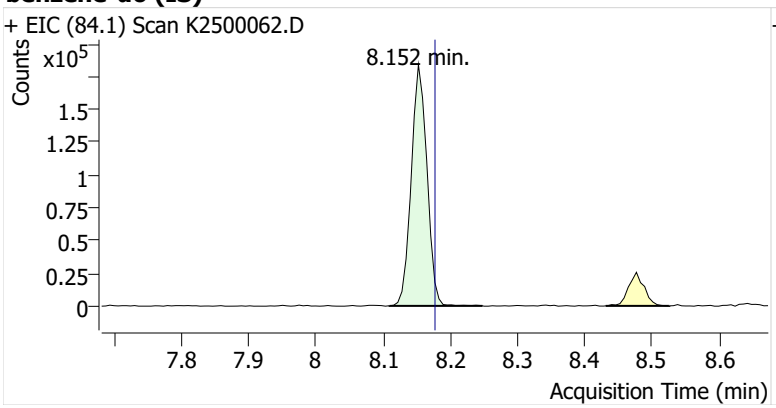
Name	CGOSP-17-S-20241217
Comment	C53597
Data File	K2500062.D
Acq. Date-Time	1/7/2025 2:32:25 AM
Acq. Method File	M325B-MTD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

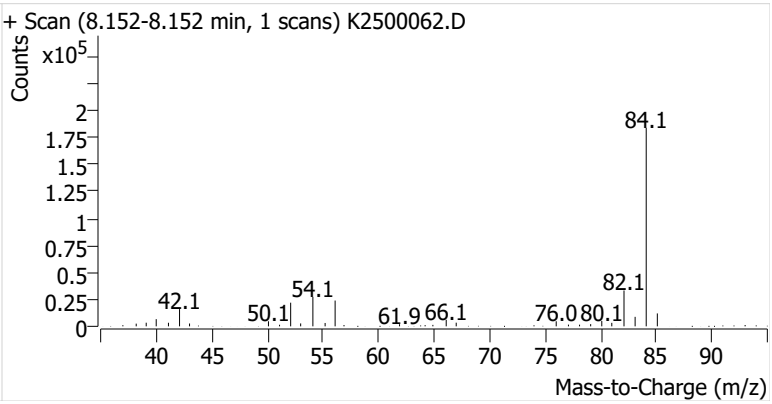
Sample Chromatogram



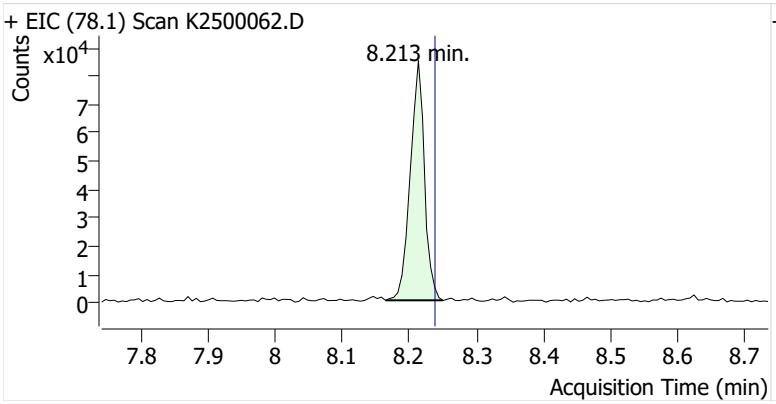
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.152	8.177	298,920	
Benzene	benzene-d6 (IS)	8.213	8.238	124,013	
Toluene-d8 (IS)		10.844	10.869	331,470	
Toluene	Toluene-d8 (IS)	10.936	10.967	302,001	
Ethylbenzene	Toluene-d8 (IS)	13.120	13.145	170,851	
m-/p-Xylenes	Toluene-d8 (IS)	13.291	13.340	609,257	
o-Xylene	Toluene-d8 (IS)	13.793	13.818	208,754	

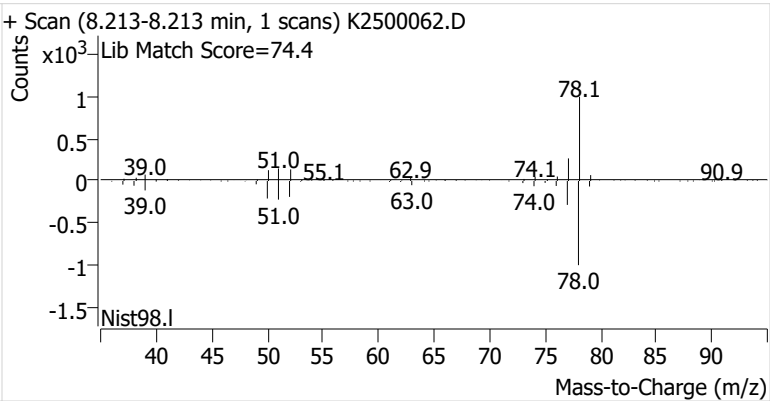
benzene-d6 (IS)



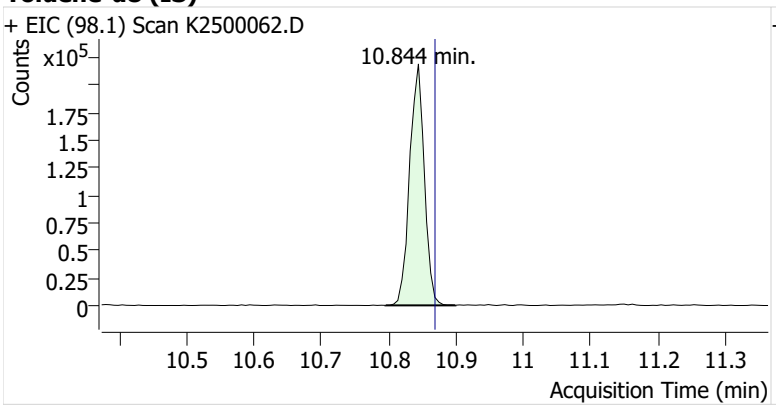


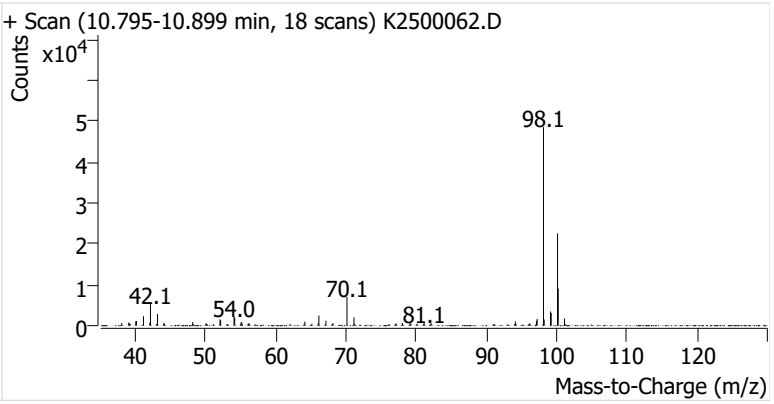
Benzene



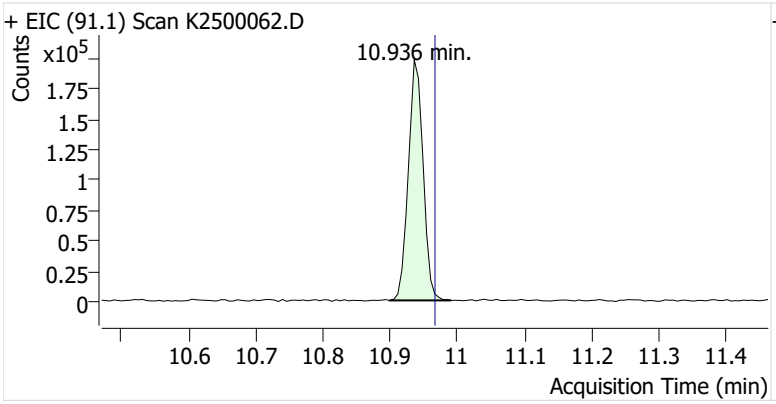


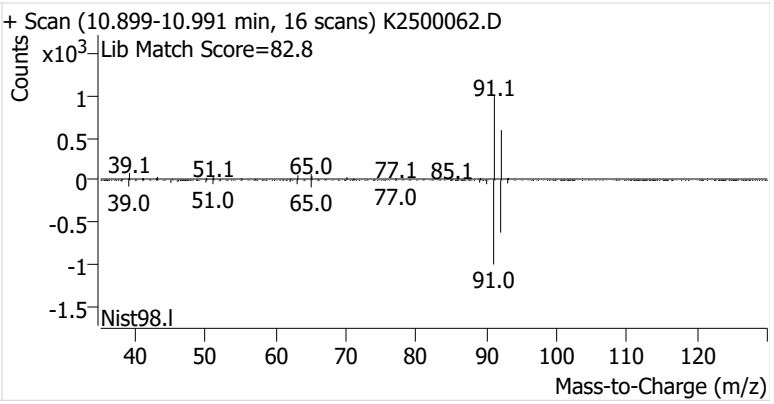
Toluene-d8 (IS)



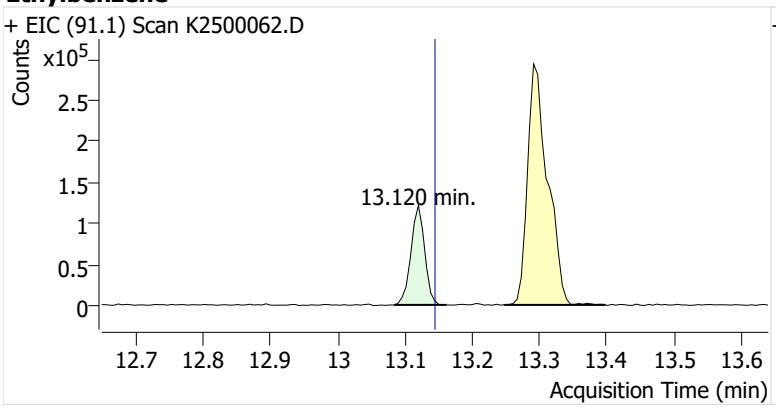


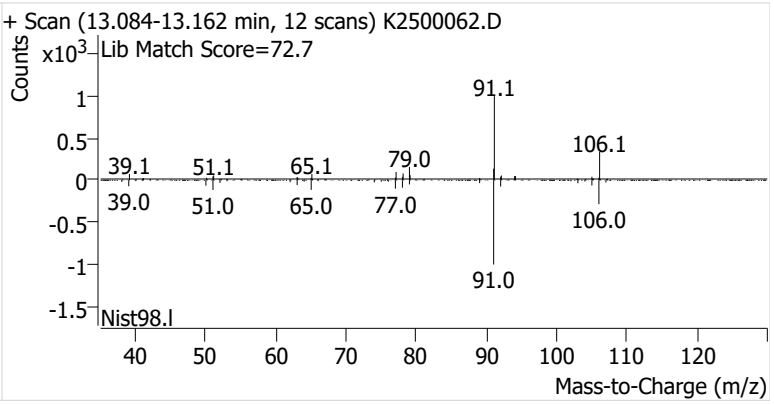
Toluene



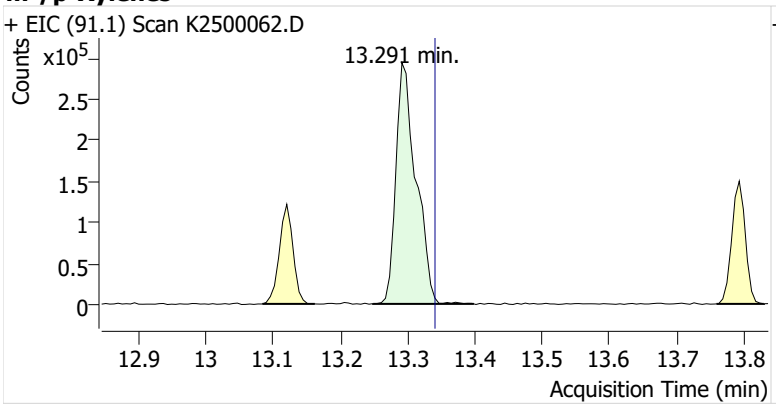


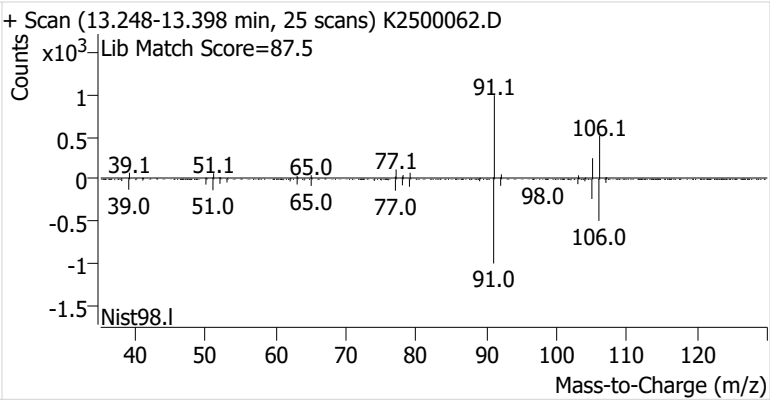
Ethylbenzene



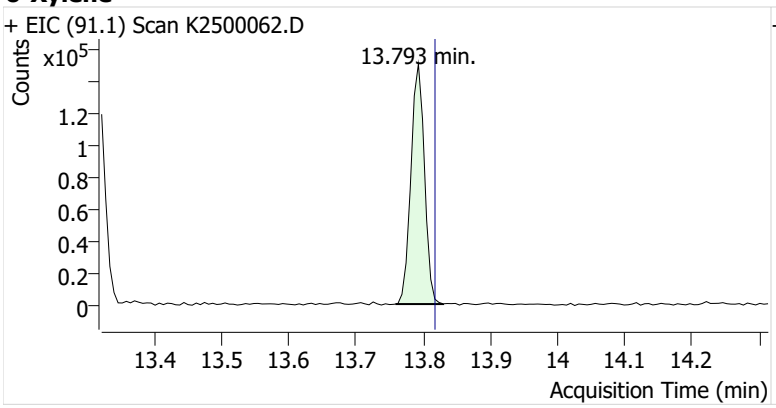


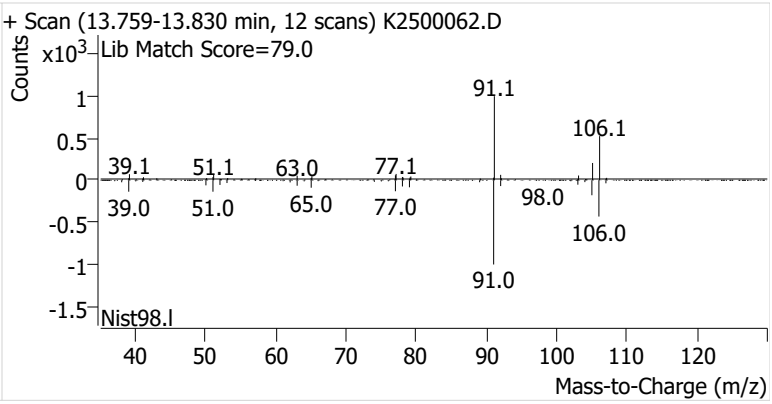
m-/p-Xylenes





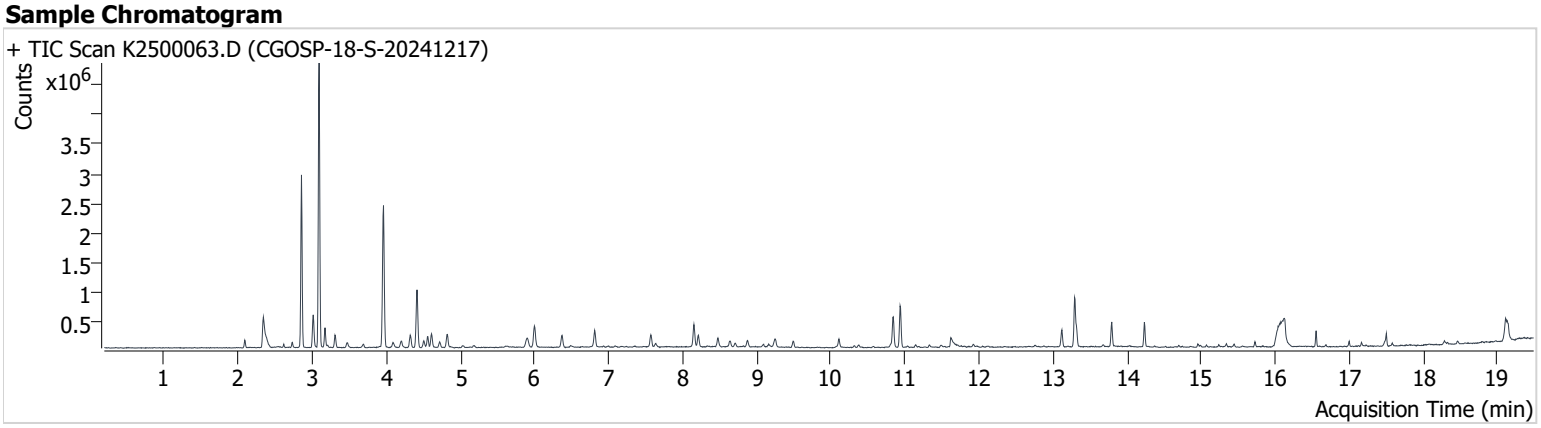
o-Xylene


+ EIC (91.1) Scan K2500062.D
Counts
x10^5
13.793 min.
1.2
1
0.8
0.6
0.4
0.2
0
13.4 13.5 13.6 13.7 13.8 13.9 14 14.1 14.2
Acquisition Time (min)


+ Scan (13.759-13.830 min, 12 scans) K2500062.D
Counts
x10^3
Lib Match Score=79.0
91.1
106.1
39.1
51.1
63.0
77.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

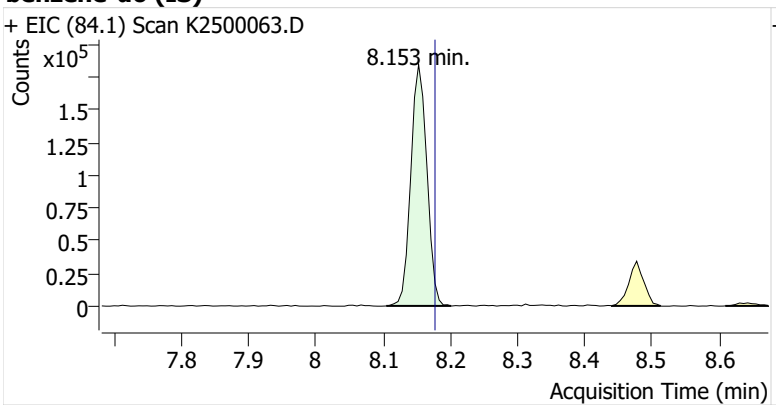
Name	CGOSP-18-S-20241217
Comment	B46335
Data File	K2500063.D
Acq. Date-Time	1/7/2025 2:59:58 AM
Acq. Method File	M325B-MTD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

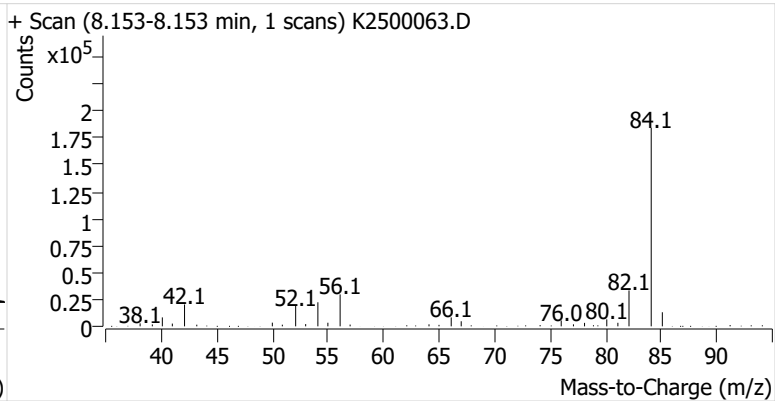
Sample Chromatogram



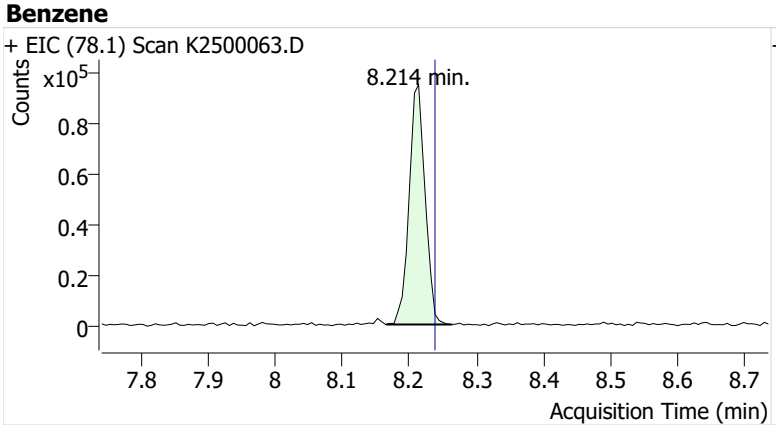
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.153	8.177	306,281	
Benzene	benzene-d6 (IS)	8.214	8.238	155,486	
Toluene-d8 (IS)		10.844	10.869	323,689	
Toluene	Toluene-d8 (IS)	10.936	10.967	430,592	
Ethylbenzene	Toluene-d8 (IS)	13.120	13.145	187,594	
m-/p-Xylenes	Toluene-d8 (IS)	13.292	13.340	585,228	
o-Xylene	Toluene-d8 (IS)	13.793	13.818	202,218	

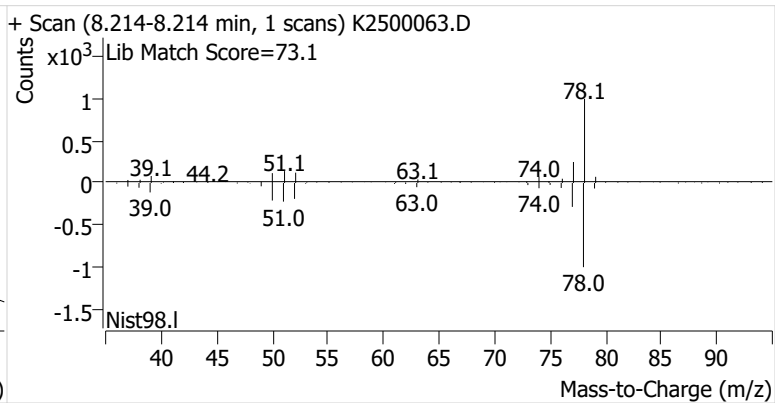
benzene-d6 (IS)



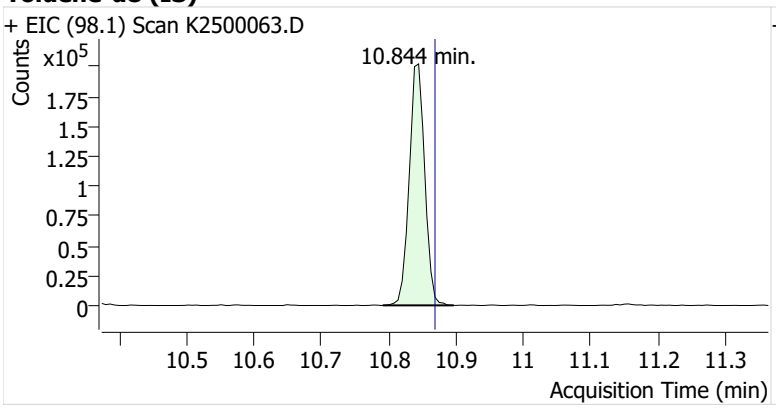


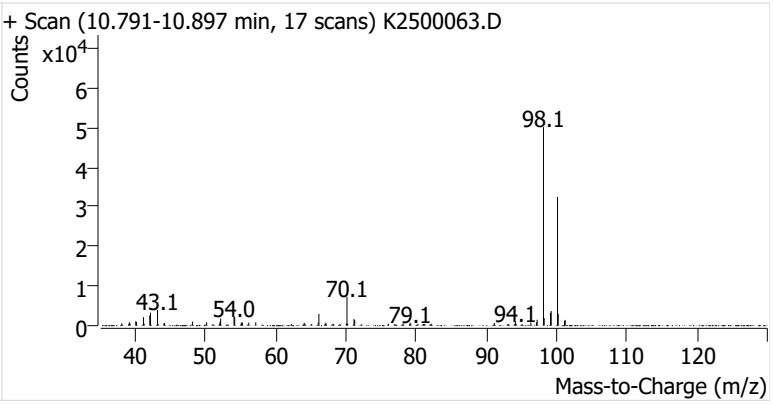
Benzene



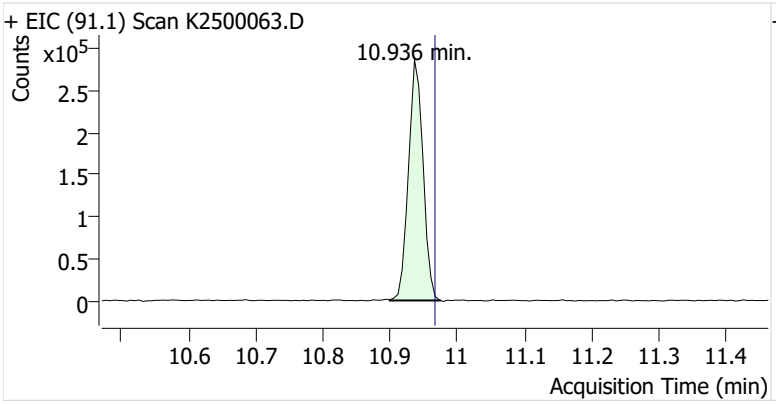


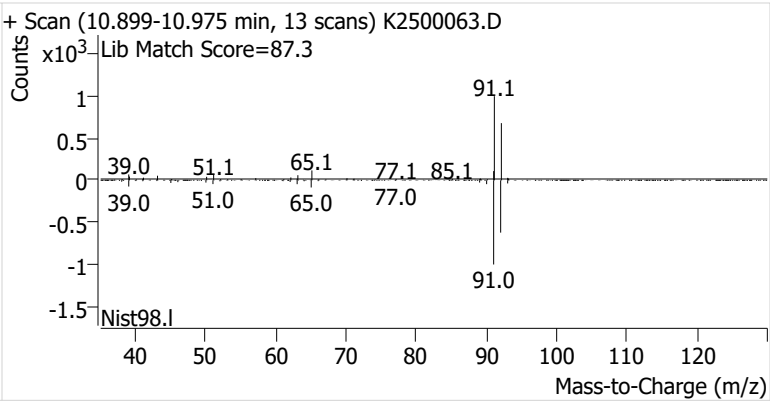
Toluene-d8 (IS)



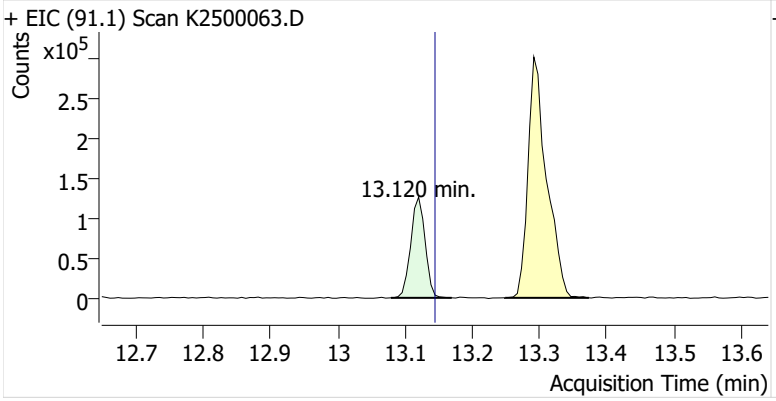


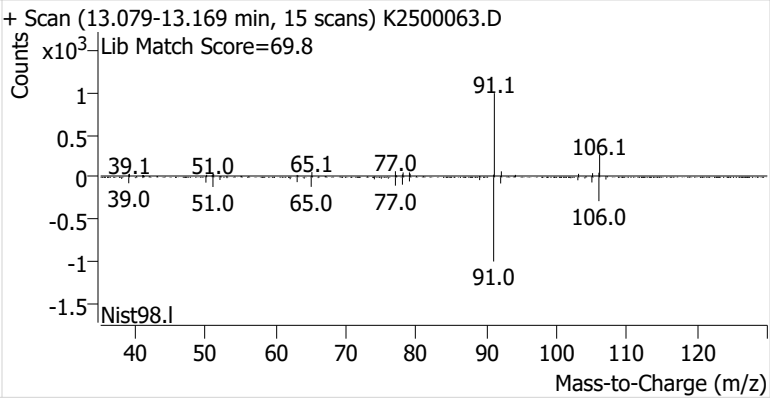
Toluene



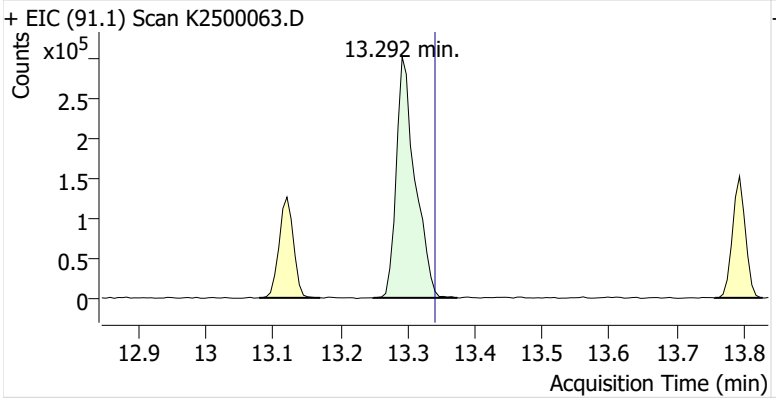


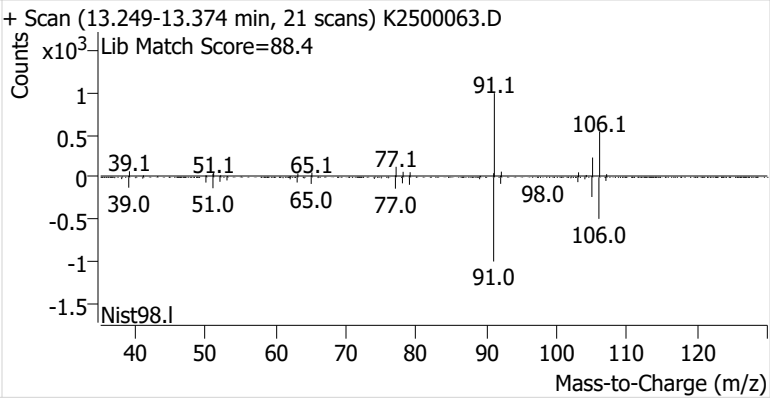
Ethylbenzene



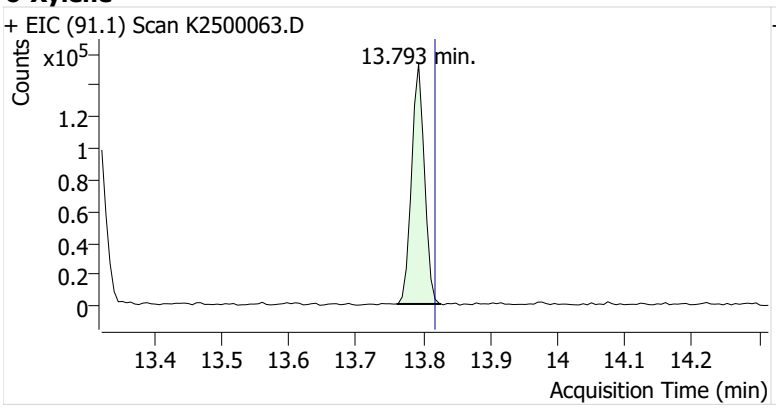


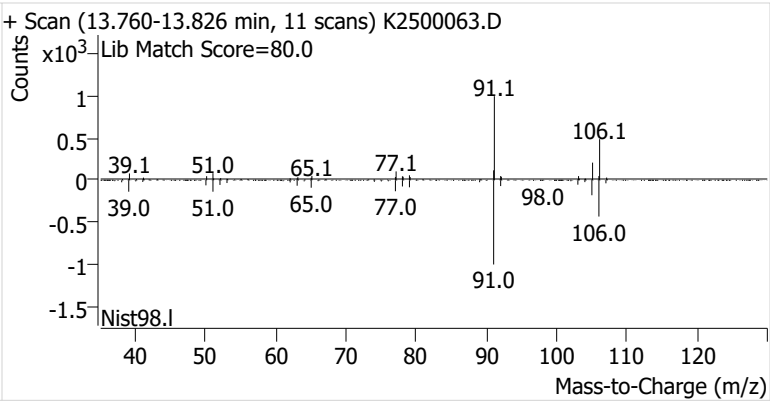
m-/p-Xylenes





o-Xylene


+ EIC (91.1) Scan K2500063.D
Counts
x10^5
13.793 min.
1.2
1
0.8
0.6
0.4
0.2
0
13.4 13.5 13.6 13.7 13.8 13.9 14 14.1 14.2
Acquisition Time (min)


+ Scan (13.760-13.826 min, 11 scans) K2500063.D
Counts
x10^3
Lib Match Score=80.0
91.1
106.1
39.1
51.0
65.1
77.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

Calibration Summary Reports

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP407-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Benzene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	1.348	1.340	1.348	0.60%	-30%		Pass	
2024FP407 Method Blank-1	Blank		1.340	1.348			2.2%	Pass	ND
M325B CCV 5	Check	1.305	1.340	1.348	-2.6%		7.1%	Pass	
M325B CCV 5	Check	1.336	1.340	1.348	-0.25%		0.86%	Pass	

Ethylbenzene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	1.840	1.828	1.840	0.65%	-33%		Pass	
2024FP407 Method Blank-1	Blank		1.828	1.840			2.4%	Pass	ND
M325B CCV 5	Check	1.649	1.828	1.840	-9.8%		12%	Pass	
M325B CCV 5	Check	1.596	1.828	1.840	-13%		9.8%	Pass	

m-/p-Xylenes Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	1.443	1.361	1.443	6.0%	-33%		Pass	
2024FP407 Method Blank-1	Blank		1.361	1.443			2.4%	Pass	ND
M325B CCV 5	Check	1.293	1.361	1.443	-5.0%		12%	Pass	
M325B CCV 5	Check	1.281	1.361	1.443	-5.9%		9.8%	Pass	

o-Xylene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	1.419	1.396	1.419	1.6%	-33%		Pass	
2024FP407 Method Blank-1	Blank		1.396	1.419			2.4%	Pass	ND
M325B CCV 5	Check	1.293	1.396	1.419	-7.4%		12%	Pass	
M325B CCV 5	Check	1.313	1.396	1.419	-5.9%		9.8%	Pass	

Toluene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	1.607	1.569	1.607	2.4%	-33%		Pass	
2024FP407 Method Blank-1	Blank		1.569	1.607			2.4%	Pass	ND
M325B CCV 5	Check	1.453	1.569	1.607	-7.4%		12%	Pass	
M325B CCV 5	Check	1.420	1.569	1.607	-9.5%		9.8%	Pass	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024FP407-1 EPA Method 325B Analysis

Client No.: PROJ-031602 Site: CITGO - South Portland Terminal

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
K091324C HBTEX_R2.quantmethod.xml	Benzene	1	K0000156.D	4.98	53970	54.6	426953	1.385	3.4%
K091324C HBTEX_R2.quantmethod.xml	Benzene	2	K0000157.D	9.97	117471	54.6	423713	1.519	13%
K091324C HBTEX_R2.quantmethod.xml	Benzene	3	K0000158.D	19.94	217394	54.6	422290	1.410	5.2%
K091324C HBTEX_R2.quantmethod.xml	Benzene	4	K0000159.D	39.87	435967	54.6	418214	1.427	6.5%
K091324C HBTEX_R2.quantmethod.xml	Benzene	5	K0000160.D	99.68	1042392	54.6	422029	1.353	0.98%
K091324C HBTEX_R2.quantmethod.xml	Benzene	6	K0000161.D	199.36	2012379	54.6	418665	1.316	-1.7%
K091324C HBTEX_R2.quantmethod.xml	Benzene	7	K0000162.D	598.09	4460484	54.6	420310	0.969	-28%
						Avg:	421739	1.340	
						%RSD:	0.72%	13%	
K091324C HBTEX_R2.quantmethod.xml	Ethylbenzene	1	K0000156.D	5.18	68005	64.4	430890	1.963	7.4%
K091324C HBTEX_R2.quantmethod.xml	Ethylbenzene	2	K0000157.D	10.36	140993	64.4	451748	1.941	6.2%
K091324C HBTEX_R2.quantmethod.xml	Ethylbenzene	3	K0000158.D	20.72	279725	64.4	454255	1.915	4.7%
K091324C HBTEX_R2.quantmethod.xml	Ethylbenzene	4	K0000159.D	41.44	555830	64.4	460380	1.877	2.7%
K091324C HBTEX_R2.quantmethod.xml	Ethylbenzene	5	K0000160.D	103.60	1284474	64.4	469763	1.700	-7.0%
K091324C HBTEX_R2.quantmethod.xml	Ethylbenzene	6	K0000161.D	207.21	2359209	64.4	466740	1.572	-14%
						Avg:	455629	1.828	
						%RSD:	3.1%	8.6%	

K091324C HBTEX_R2.quantmethod.xml	m-/p-Xylenes	1	K0000156.D	4.89	44218	64.4	430890	1.351	-0.73%
K091324C HBTEX_R2.quantmethod.xml	m-/p-Xylenes	2	K0000157.D	9.78	98695	64.4	451748	1.439	5.7%
K091324C HBTEX_R2.quantmethod.xml	m-/p-Xylenes	3	K0000158.D	19.57	202684	64.4	454255	1.469	7.9%
K091324C HBTEX_R2.quantmethod.xml	m-/p-Xylenes	4	K0000159.D	39.14	409796	64.4	460380	1.465	7.6%
K091324C HBTEX_R2.quantmethod.xml	m-/p-Xylenes	5	K0000160.D	97.85	954019	64.4	469763	1.337	-1.8%
K091324C HBTEX_R2.quantmethod.xml	m-/p-Xylenes	6	K0000161.D	195.70	1852548	64.4	466740	1.307	-4.0%
K091324C HBTEX_R2.quantmethod.xml	m-/p-Xylenes	7	K0000162.D	587.09	5010845	64.4	473698	1.161	-15%
						Avg:	458211	1.361	
						%RSD:	3.2%	8.1%	

K091324C HBTEX_R2.quantmethod.xml	o-Xylene	1	K0000156.D	5.10	47539	64.4	430890	1.393	-0.18%
K091324C HBTEX_R2.quantmethod.xml	o-Xylene	2	K0000157.D	10.21	106292	64.4	451748	1.485	6.4%
K091324C HBTEX_R2.quantmethod.xml	o-Xylene	3	K0000158.D	20.41	211162	64.4	454255	1.467	5.1%
K091324C HBTEX_R2.quantmethod.xml	o-Xylene	4	K0000159.D	40.82	430029	64.4	460380	1.474	5.6%
K091324C HBTEX_R2.quantmethod.xml	o-Xylene	5	K0000160.D	102.05	963368	64.4	469763	1.295	-7.2%
K091324C HBTEX_R2.quantmethod.xml	o-Xylene	6	K0000161.D	204.11	1860527	64.4	466740	1.258	-9.8%
						Avg:	455629	1.396	
						%RSD:	3.1%	7.1%	

K091324C HBTEX_R2.quantmethod.xml	Toluene	1	K0000156.D	5.39	60741	64.4	430890	1.685	7.4%
K091324C HBTEX_R2.quantmethod.xml	Toluene	2	K0000157.D	10.78	123928	64.4	451748	1.640	4.5%
K091324C HBTEX_R2.quantmethod.xml	Toluene	3	K0000158.D	21.56	246848	64.4	454255	1.624	3.5%
K091324C HBTEX_R2.quantmethod.xml	Toluene	4	K0000159.D	43.11	491226	64.4	460380	1.595	1.6%
K091324C HBTEX_R2.quantmethod.xml	Toluene	5	K0000160.D	107.78	1153960	64.4	469763	1.468	-6.4%
K091324C HBTEX_R2.quantmethod.xml	Toluene	6	K0000161.D	215.57	2187840	64.4	466740	1.401	-11%
						Avg:	455629	1.569	
						%RSD:	3.1%	7.0%	
K091324C HBTEX_R2.quantmethod.xml	Benzene	ICV	K0000163.D	64.50	630072	54.6	427126	1.249	-6.8%
K091324C HBTEX_R2.quantmethod.xml	Ethylbenzene	ICV	K0000163.D	86.60	937378	64.4	475697	1.466	-20%
K091324C HBTEX_R2.quantmethod.xml	m-/p-Xylenes	ICV	K0000163.D	90.14	741782	64.4	475697	1.115	-18%
K091324C HBTEX_R2.quantmethod.xml	o-Xylene	ICV	K0000163.D	88.73	717484	64.4	475697	1.095	-22%
K091324C HBTEX_R2.quantmethod.xml	Toluene	ICV	K0000163.D	76.93	794256	64.4	475697	1.398	-11%

This Is The Last Page Of This Report.

ENTHALPY ANALYTICAL