

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120925\
 Data File : VY023918.D
 Acq On : 09 Dec 2025 19:01
 Operator : SY/MD
 Sample : Q3809-09
 Misc : 2.45g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SW-6

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
 Title : SW846 8260

Signal : TIC: VY023918.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.848	177	185	194	rBV	162731	355389	2.22%	0.166%
2	4.677	462	485	499	rBV2	605802	2476021	15.49%	1.155%
3	5.147	546	562	580	rBV2	339406	1204292	7.53%	0.562%
4	5.659	633	646	666	rBV	382994	1206784	7.55%	0.563%
5	6.604	787	801	810	rVV	213063	686050	4.29%	0.320%
6	6.707	810	818	830	rVB2	168075	512866	3.21%	0.239%
7	7.646	962	972	974	rBV	480757	1069815	6.69%	0.499%
8	7.695	974	980	990	rVV3	1657131	5295697	33.12%	2.470%
9	7.799	990	997	1008	rVB2	553712	1457836	9.12%	0.680%
10	7.927	1008	1018	1034	rBV	1514925	3571591	22.34%	1.666%
11	8.067	1034	1041	1051	rBV	384719	898720	5.62%	0.419%
12	8.207	1055	1064	1066	rVV2	423888	923114	5.77%	0.431%
13	8.256	1066	1072	1082	rVV	1666672	4530722	28.34%	2.113%
14	8.347	1082	1087	1098	rVB2	244134	608959	3.81%	0.284%
15	8.481	1098	1109	1122	rVB	1430084	3060867	19.14%	1.428%
16	8.622	1122	1132	1138	rBV	1447000	2954478	18.48%	1.378%
17	9.115	1198	1213	1219	rBV2	1336201	3600110	22.52%	1.679%
18	9.176	1219	1223	1230	rVB	703799	1261199	7.89%	0.588%
19	9.304	1239	1244	1250	rVV	282320	508644	3.18%	0.237%
20	9.396	1250	1259	1266	rVB	365795	811778	5.08%	0.379%
21	9.548	1276	1284	1295	rBV	1375951	2823373	17.66%	1.317%
22	9.682	1295	1306	1312	rBV2	1392447	3285688	20.55%	1.533%
23	9.756	1312	1318	1322	rBV	1757552	3222745	20.16%	1.503%
24	9.896	1330	1341	1352	rBV	1758203	4029423	25.20%	1.879%
25	10.042	1359	1365	1370	rVV2	380579	757433	4.74%	0.353%
26	10.109	1370	1376	1382	rVV	2751840	5068903	31.70%	2.364%
27	10.176	1382	1387	1392	rVV	1282930	2428259	15.19%	1.133%
28	10.237	1392	1397	1400	rVV	355649	651143	4.07%	0.304%
29	10.304	1400	1408	1414	rVB	2760719	5098606	31.89%	2.378%
30	10.451	1429	1432	1437	rVB	273858	417248	2.61%	0.195%
31	10.548	1442	1448	1459	rBV5	524390	1411817	8.83%	0.659%
32	10.646	1459	1464	1469	rVB2	352670	589784	3.69%	0.275%
33	10.737	1469	1479	1484	rBV	567798	1021265	6.39%	0.476%
34	10.835	1490	1495	1502	rVV	518320	968294	6.06%	0.452%
35	10.902	1502	1506	1509	rVV2	230783	365674	2.29%	0.171%
36	10.969	1513	1517	1521	rVV	456113	759201	4.75%	0.354%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120925\
 Data File : VY023918.D
 Acq On : 09 Dec 2025 19:01
 Operator : SY/MD
 Sample : Q3809-09
 Misc : 2.45g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SW-6

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
 Title : SW846 8260

37	11.024	1521	1526	1531	rVV	945215	1686472	10.55%	0.787%
38	11.072	1531	1534	1539	rVB4	210333	321593	2.01%	0.150%
39	11.133	1539	1544	1549	rBV2	511733	947216	5.92%	0.442%
40	11.213	1549	1557	1568	rVB3	1788779	4188682	26.20%	1.954%
41	11.310	1568	1573	1579	rBV	1406909	2293013	14.34%	1.070%
42	11.420	1585	1591	1601	rBV	1852933	3134276	19.60%	1.462%
43	11.523	1601	1608	1616	rBV	1838564	3306299	20.68%	1.542%
44	11.633	1616	1626	1636	rVV2	7163050	15988552	100.00%	7.458%
45	11.712	1636	1639	1644	rVB2	414325	632375	3.96%	0.295%
46	11.859	1660	1663	1668	rVB3	213918	332542	2.08%	0.155%
47	11.956	1668	1679	1687	rBV	3024037	6078386	38.02%	2.835%
48	12.054	1691	1695	1699	rVB	592431	778078	4.87%	0.363%
49	12.133	1703	1708	1710	rBV4	518757	830071	5.19%	0.387%
50	12.170	1710	1714	1719	rVB4	532744	971999	6.08%	0.453%
51	12.255	1724	1728	1732	rVV	497283	954499	5.97%	0.445%
52	12.304	1732	1736	1739	rVV5	438809	977131	6.11%	0.456%
53	12.340	1740	1742	1745	rVV	620340	966958	6.05%	0.451%
54	12.371	1745	1747	1749	rVV	612800	726745	4.55%	0.339%
55	12.407	1749	1753	1758	rVV	1563462	2684466	16.79%	1.252%
56	12.450	1758	1760	1764	rVV	574766	757188	4.74%	0.353%
57	12.596	1775	1784	1789	rVV	1660147	3099864	19.39%	1.446%
58	12.664	1789	1795	1798	rVV	6091770	9668992	60.47%	4.510%
59	12.694	1798	1800	1803	rVV	2596410	3427168	21.44%	1.599%
60	12.737	1803	1807	1813	rVV2	4836893	7712272	48.24%	3.597%
61	12.785	1813	1815	1820	rVB2	254386	359421	2.25%	0.168%
62	12.895	1826	1833	1841	rBV	1983024	3473422	21.72%	1.620%
63	12.968	1841	1845	1852	rVV	538296	946568	5.92%	0.442%
64	13.048	1852	1858	1863	rVV	9377976	14029681	87.75%	6.544%
65	13.176	1871	1879	1882	rVV5	284326	739890	4.63%	0.345%
66	13.243	1882	1890	1894	rVV3	644595	1244781	7.79%	0.581%
67	13.291	1894	1898	1901	rVV3	309800	479828	3.00%	0.224%
68	13.352	1901	1908	1910	rVV	1721127	3050803	19.08%	1.423%
69	13.383	1910	1913	1918	rVV	2082158	3022515	18.90%	1.410%
70	13.426	1918	1920	1927	rVB3	254093	333518	2.09%	0.156%
71	13.517	1927	1935	1936	rBV	864467	1184081	7.41%	0.552%
72	13.548	1936	1940	1943	rVV	3060848	4532611	28.35%	2.114%
73	13.590	1943	1947	1956	rVB3	2722734	4980520	31.15%	2.323%
74	13.676	1956	1961	1966	rBV2	1019988	1455226	9.10%	0.679%
75	13.749	1968	1973	1977	rVB	494066	718577	4.49%	0.335%
76	13.810	1978	1983	1985	rVV	1310992	1939726	12.13%	0.905%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120925\
 Data File : VY023918.D
 Acq On : 09 Dec 2025 19:01
 Operator : SY/MD
 Sample : Q3809-09
 Misc : 2.45g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SW-6

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
 Title : SW846 8260

77	13.840	1985	1988	1992	rVB	1238363	1705593	10.67%	0.796%
78	13.895	1992	1997	2002	rVB	2454546	3418262	21.38%	1.594%
79	13.950	2002	2006	2010	rVB2	285286	397645	2.49%	0.185%
80	14.005	2010	2015	2020	rVB	1313087	2015389	12.61%	0.940%
81	14.072	2020	2026	2031	rVB7	151638	344727	2.16%	0.161%
82	14.133	2031	2036	2040	rBV2	512764	886743	5.55%	0.414%
83	14.218	2045	2050	2053	rVV	1198959	1951357	12.20%	0.910%
84	14.255	2053	2056	2060	rVV	1604681	2210982	13.83%	1.031%
85	14.303	2060	2064	2067	rVV	669105	921834	5.77%	0.430%
86	14.340	2067	2070	2075	rVB2	402408	538046	3.37%	0.251%
87	14.444	2083	2087	2090	rBV	315545	416583	2.61%	0.194%
88	14.486	2090	2094	2099	rVV	1110665	1828801	11.44%	0.853%
89	14.535	2099	2102	2106	rVB	635344	825830	5.17%	0.385%
90	14.602	2106	2113	2118	rBV3	1866372	3723241	23.29%	1.737%
91	14.657	2118	2122	2128	rVB2	405228	676764	4.23%	0.316%
92	14.864	2151	2156	2159	rVV2	592809	978520	6.12%	0.456%
93	14.968	2167	2173	2181	rVB2	598071	1217344	7.61%	0.568%
94	15.145	2192	2202	2208	rBV	920968	1747215	10.93%	0.815%
95	15.255	2215	2220	2224	rBV3	276012	449556	2.81%	0.210%
96	15.303	2224	2228	2232	rVV2	191935	324289	2.03%	0.151%
97	15.431	2243	2249	2256	rBV	325071	591729	3.70%	0.276%
98	15.596	2266	2276	2285	rBV3	184458	573577	3.59%	0.268%
99	16.181	2366	2372	2388	rVB	614129	1228804	7.69%	0.573%
100	16.376	2396	2404	2415	rVB	267503	572399	3.58%	0.267%

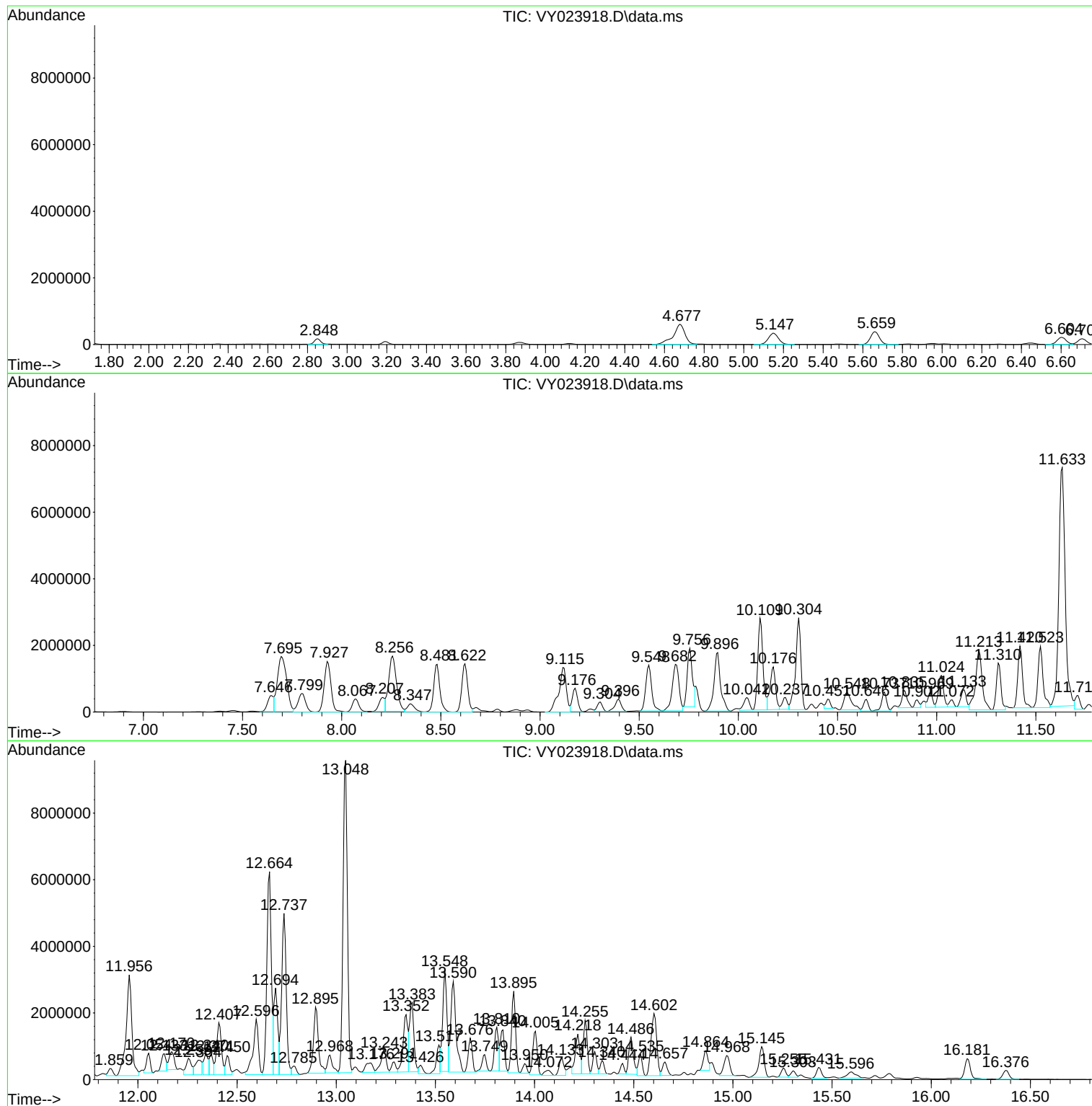
Sum of corrected areas: 214395023

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120925\
Data File : VY023918.D
Acq On : 09 Dec 2025 19:01
Operator : SY/MD
Sample : Q3809-09
Misc : 2.45g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SW-6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120925\
Data File : VY023918.D
Acq On : 09 Dec 2025 19:01
Operator : SY/MD
Sample : Q3809-09
Misc : 2.45g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SW-6

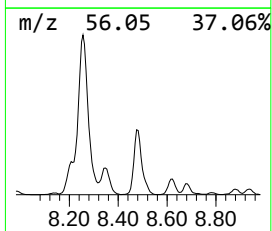
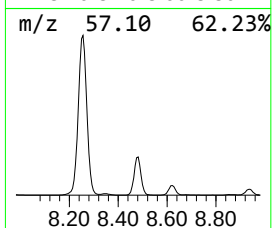
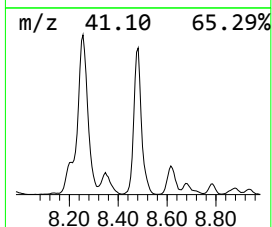
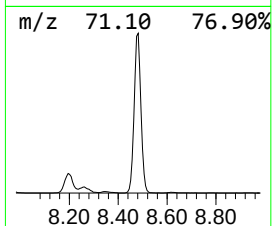
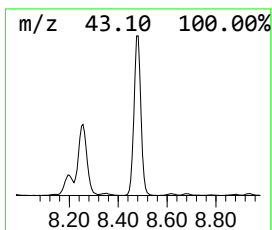
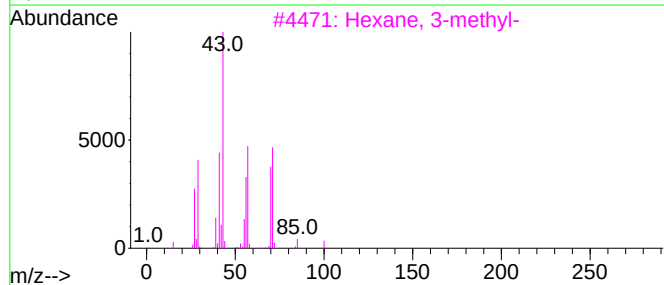
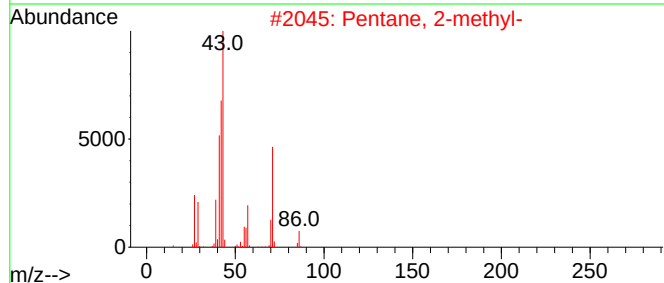
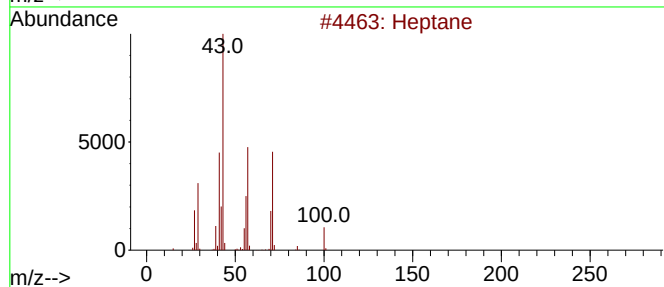
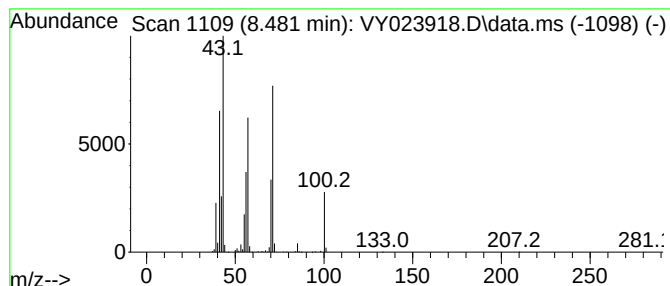
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Heptane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.481	51.80 ug/l	3060870	1,4-Difluorobenzene	8.622

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane	100	C7H16	000142-82-5	91
2			Pentane, 2-methyl-	86	C6H14	000107-83-5	53
3			Hexane, 3-methyl-	100	C7H16	000589-34-4	50
4			Oxirane, butyl-	100	C6H12O	001436-34-6	47
5			1-Hexene, 3,4,5-trimethyl-	126	C9H18	056728-10-0	42



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120925\
Data File : VY023918.D
Acq On : 09 Dec 2025 19:01
Operator : SY/MD
Sample : Q3809-09
Misc : 2.45g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SW-6

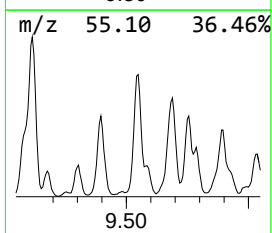
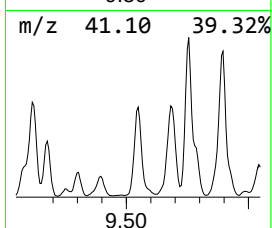
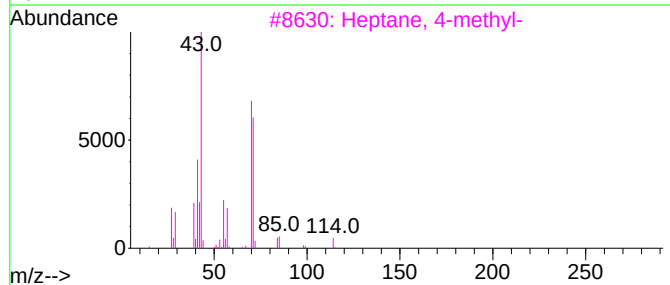
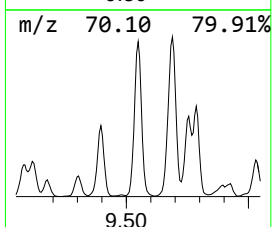
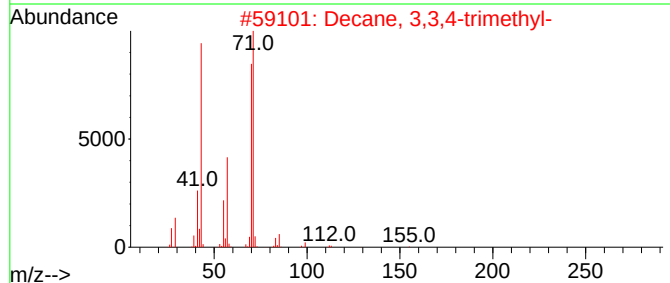
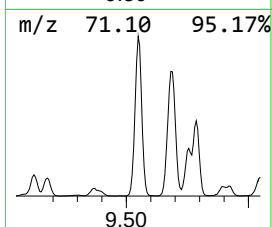
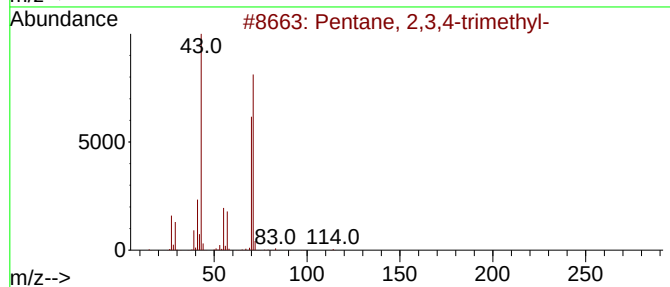
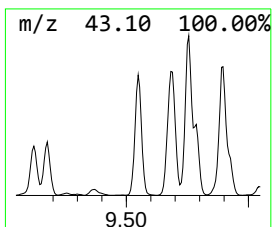
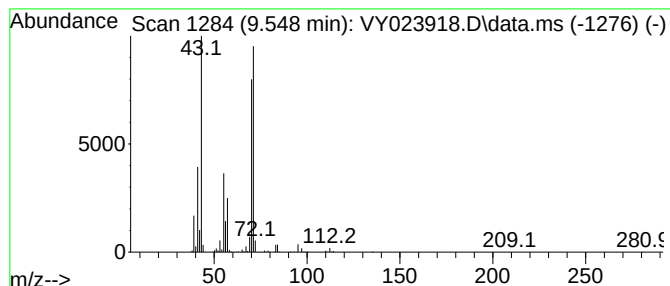
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Pentane, 2,3,4-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.548	47.78 ug/l	2823370	1,4-Difluorobenzene	8.622

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	86
2		Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	78
3		Heptane, 4-methyl-	114	C8H18	000589-53-7	72
4		Diisooamyl ether	158	C10H22O	000544-01-4	64
5		Pentane, 3-ethyl-	100	C7H16	000617-78-7	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120925\
Data File : VY023918.D
Acq On : 09 Dec 2025 19:01
Operator : SY/MD
Sample : Q3809-09
Misc : 2.45g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SW-6

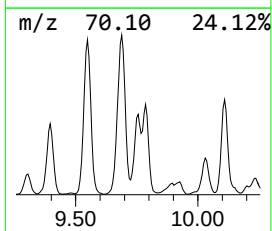
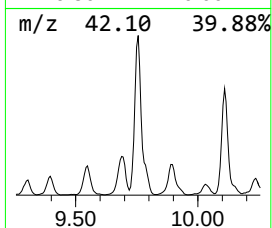
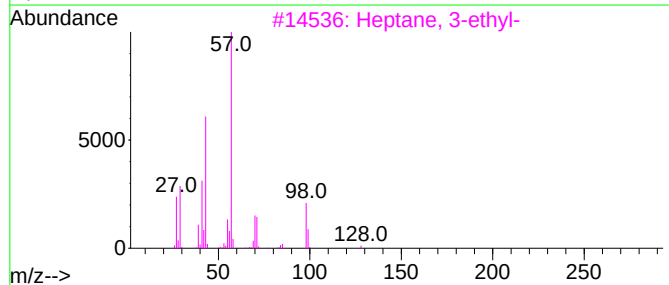
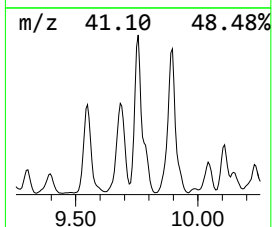
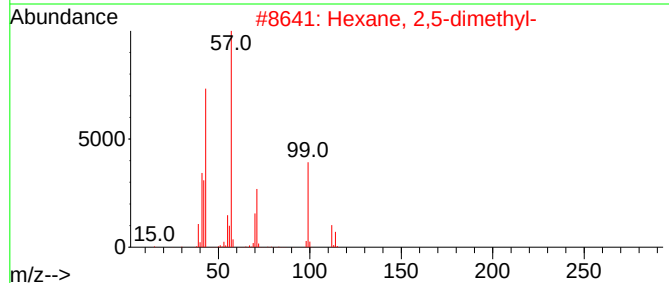
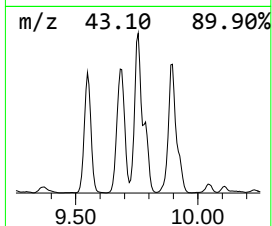
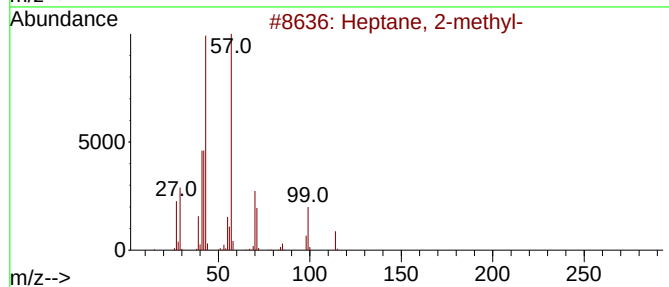
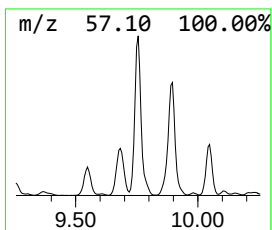
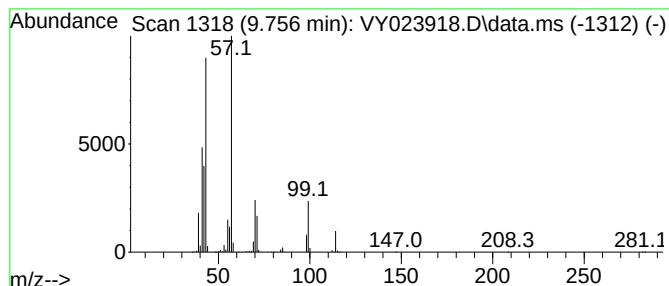
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Heptane, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.756	54.54 ug/l	3222750	1,4-Difluorobenzene	8.622

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2-methyl-	114	C8H18	000592-27-8	93
2			Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	72
3			Heptane, 3-ethyl-	128	C9H20	015869-80-4	38
4			Heptane, 2,3,5-trimethyl-	142	C10H22	020278-85-7	38
5			1-Butanol, 2-ethyl-	102	C6H14O	000097-95-0	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120925\
Data File : VY023918.D
Acq On : 09 Dec 2025 19:01
Operator : SY/MD
Sample : Q3809-09
Misc : 2.45g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SW-6

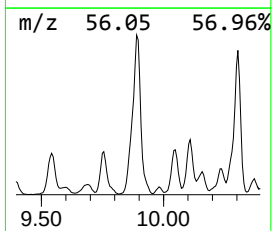
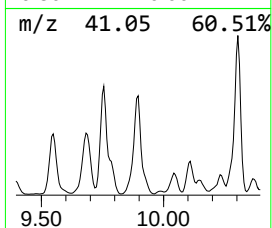
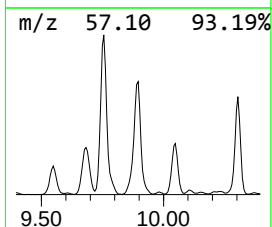
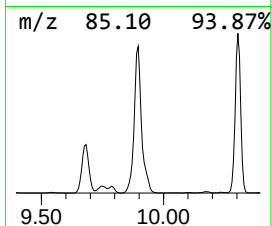
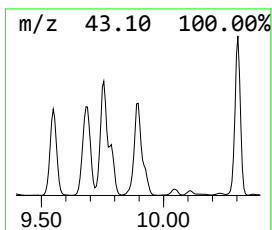
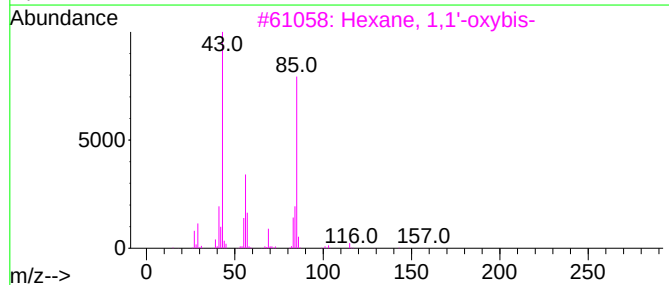
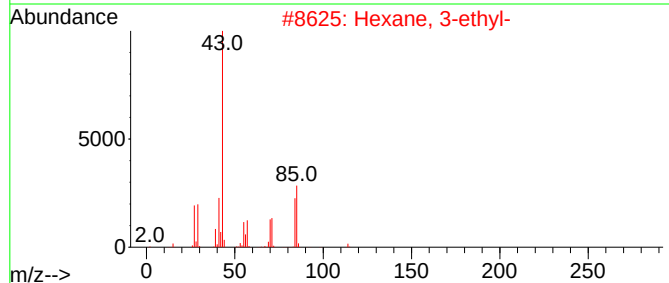
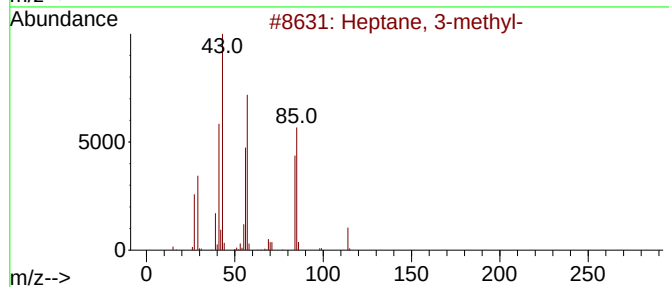
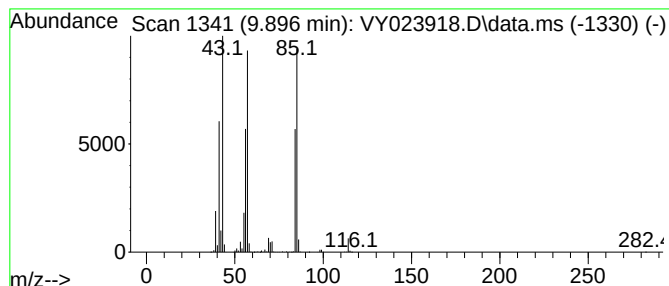
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Heptane, 3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.896	68.19 ug/l	4029420	1,4-Difluorobenzene	8.622

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3-methyl-	114	C8H18	000589-81-1	94
2			Hexane, 3-ethyl-	114	C8H18	000619-99-8	64
3			Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	64
4			Butanoic acid, 2-methyl-, 2-meth...	186	C11H22O2	083783-88-4	64
5			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120925\
Data File : VY023918.D
Acq On : 09 Dec 2025 19:01
Operator : SY/MD
Sample : Q3809-09
Misc : 2.45g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SW-6

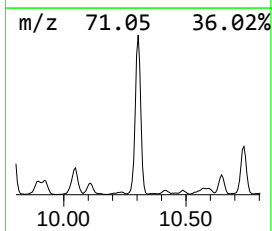
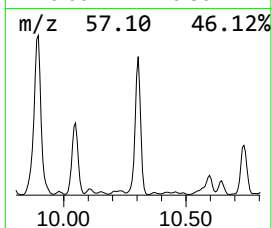
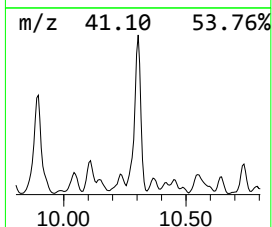
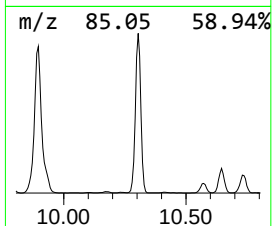
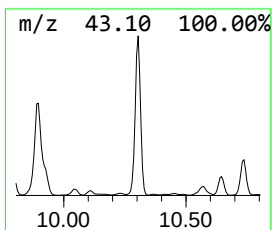
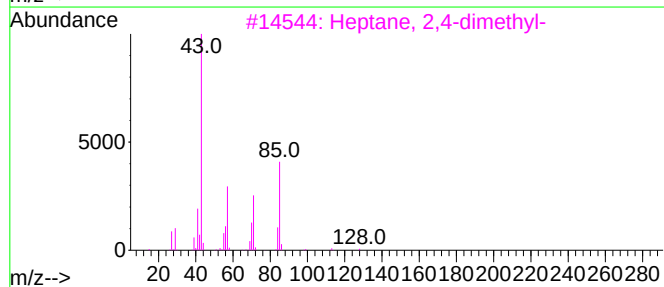
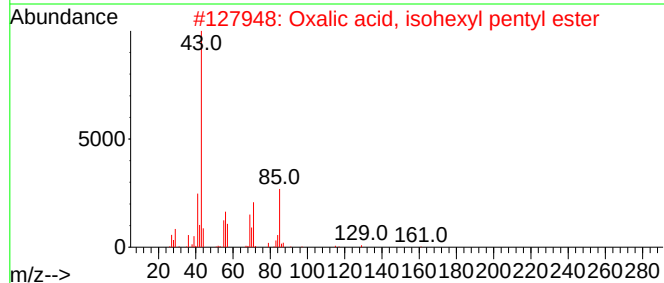
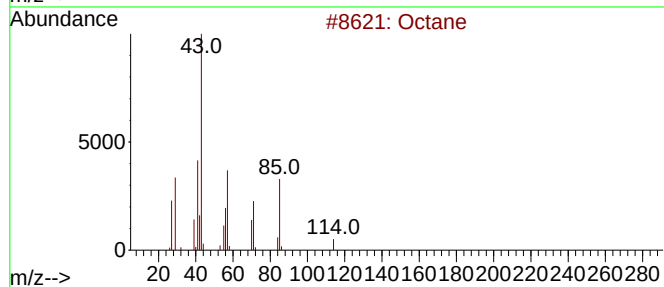
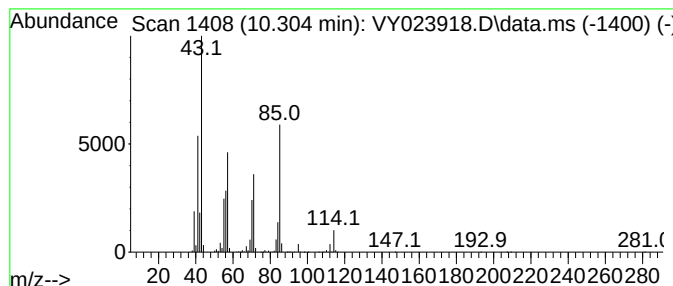
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Octane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.304	81.34 ug/l	5098610	Chlorobenzene-d5	11.420

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane	114	C8H18	000111-65-9	90
2			Oxalic acid, isohexyl pentyl ester	244	C13H24O4	1000309-32-8	64
3			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64
4			Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	50
5			Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120925\
Data File : VY023918.D
Acq On : 09 Dec 2025 19:01
Operator : SY/MD
Sample : Q3809-09
Misc : 2.45g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SW-6

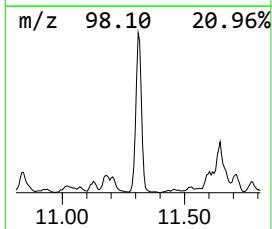
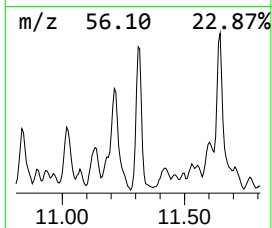
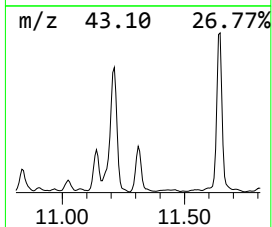
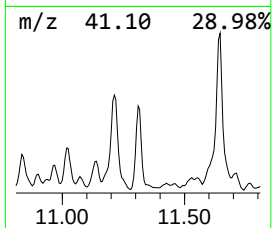
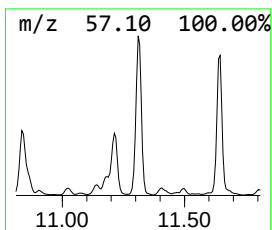
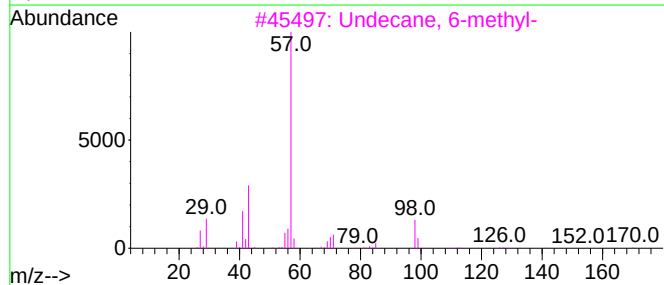
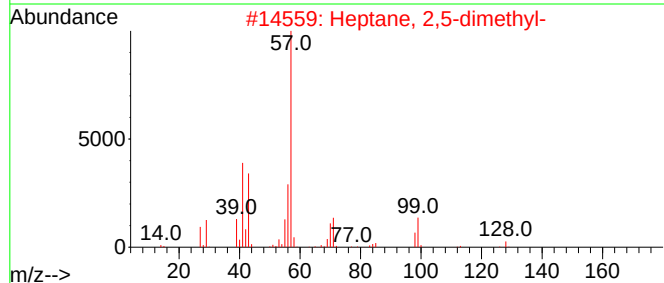
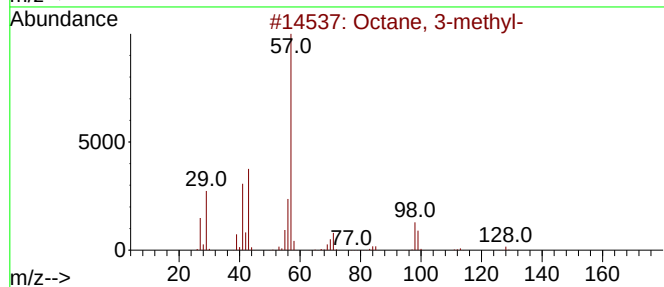
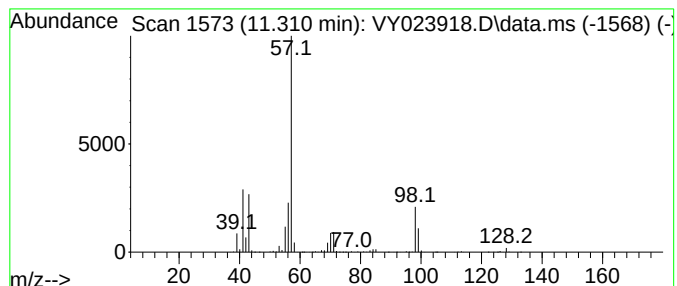
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Octane, 3-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.310	36.58 ug/l	2293010	Chlorobenzene-d5	11.420

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 3-methyl-	128	C9H20	002216-33-3	91
2			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87
3			Undecane, 6-methyl-	170	C12H26	017302-33-9	59
4			Heptane, 3-ethyl-	128	C9H20	015869-80-4	52
5			Heptane, 4-propyl-	142	C10H22	003178-29-8	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120925\
Data File : VY023918.D
Acq On : 09 Dec 2025 19:01
Operator : SY/MD
Sample : Q3809-09
Misc : 2.45g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SW-6

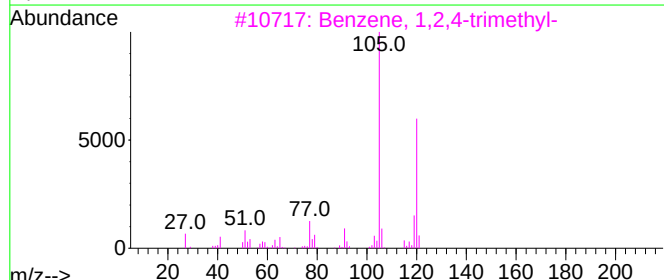
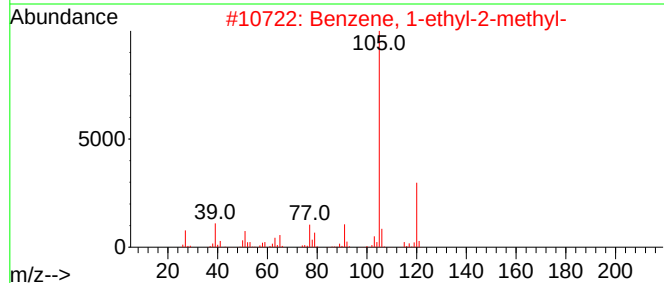
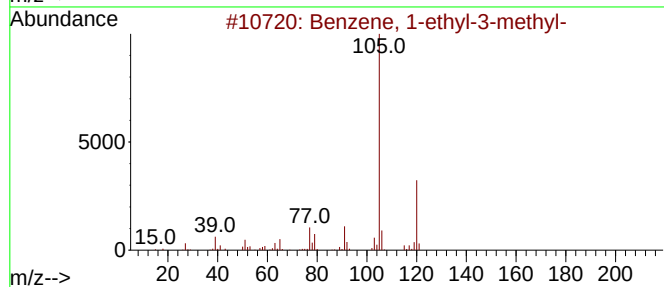
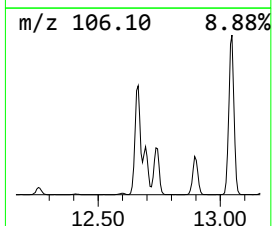
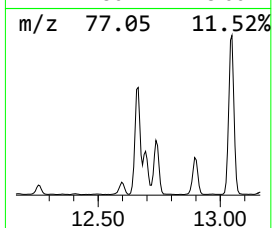
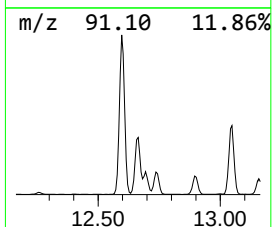
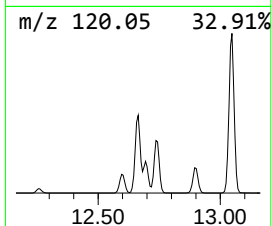
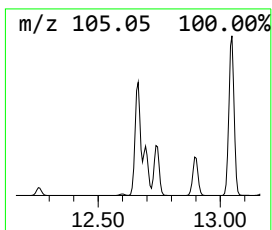
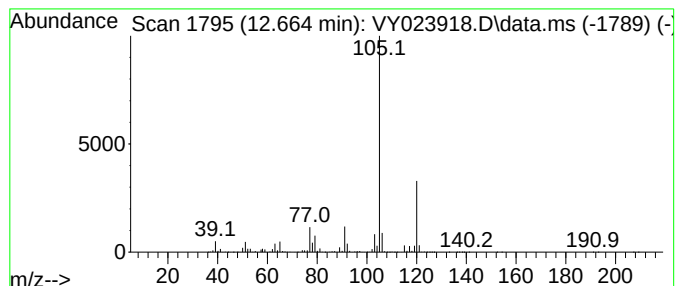
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Benzene, 1-ethyl-3-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.664	158.47 ug/l	9668990	1,4-Dichlorobenzene-d4	13.352

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3			Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4			Mesitylene	120	C9H12	000108-67-8	91
5			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120925\
Data File : VY023918.D
Acq On : 09 Dec 2025 19:01
Operator : SY/MD
Sample : Q3809-09
Misc : 2.45g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SW-6

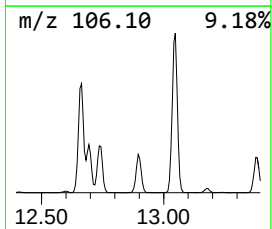
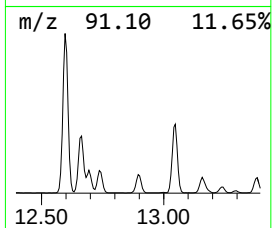
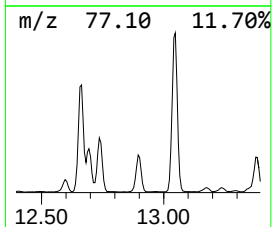
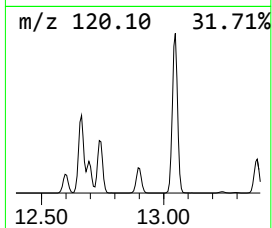
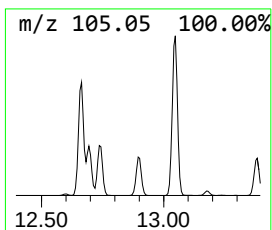
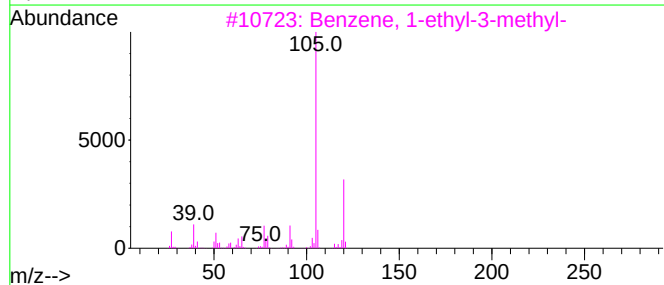
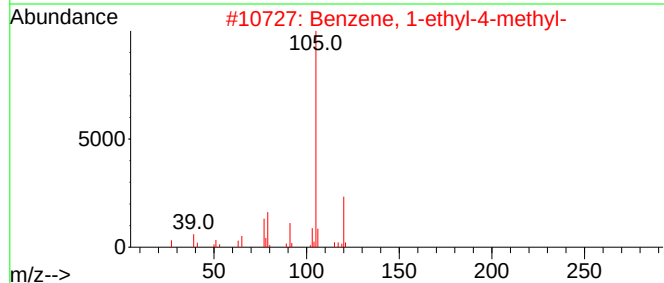
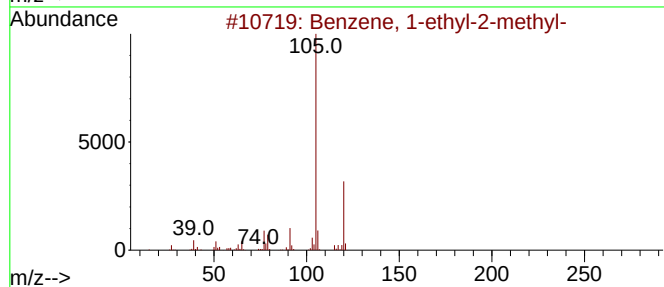
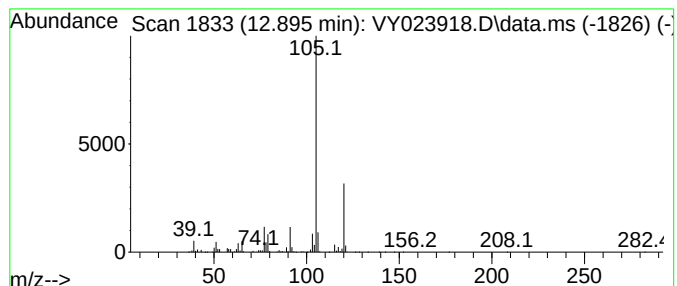
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Benzene, 1-ethyl-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.895	56.93 ug/l	3473420	1,4-Dichlorobenzene-d4	13.352

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
2			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
3			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
4			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90
5			Mesitylene	120	C9H12	000108-67-8	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120925\
Data File : VY023918.D
Acq On : 09 Dec 2025 19:01
Operator : SY/MD
Sample : Q3809-09
Misc : 2.45g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SW-6

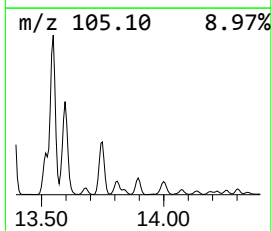
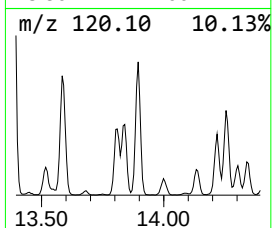
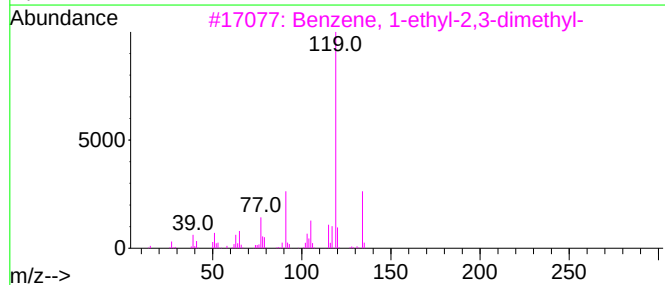
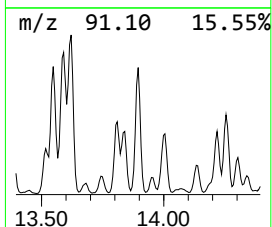
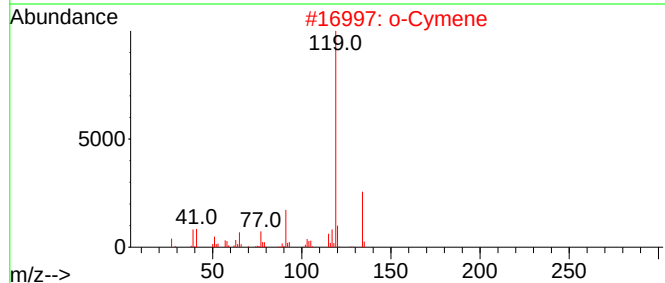
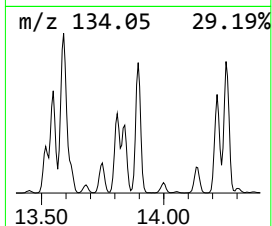
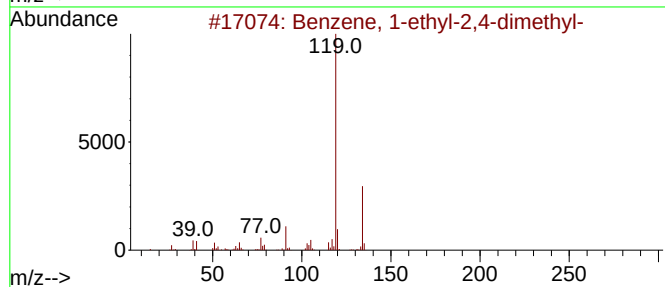
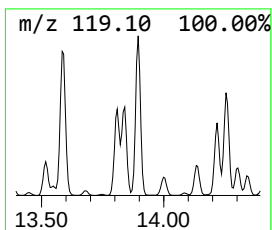
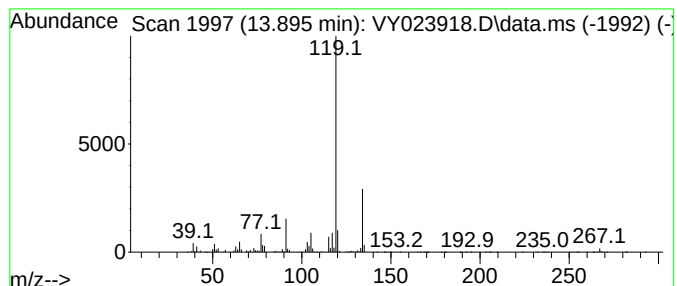
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.895	56.02 ug/l	3418260	1,4-Dichlorobenzene-d4	13.352

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
2			o-Cymene	134	C10H14	000527-84-4	97
3			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
4			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
5			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120925\
Data File : VY023918.D
Acq On : 09 Dec 2025 19:01
Operator : SY/MD
Sample : Q3809-09
Misc : 2.45g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SW-6

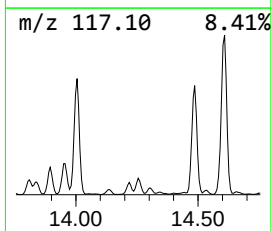
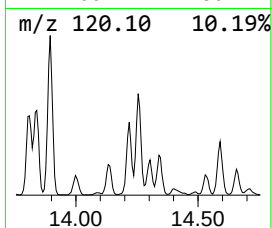
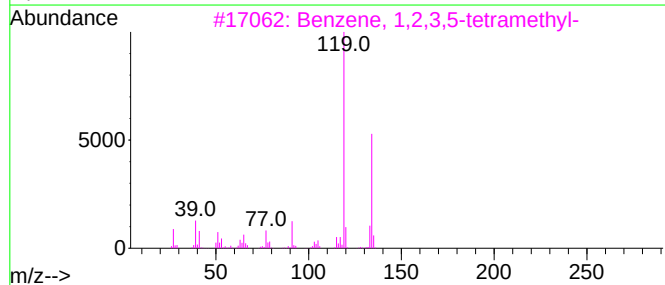
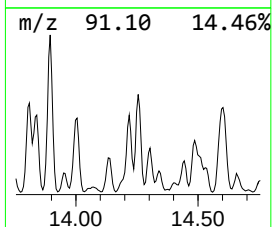
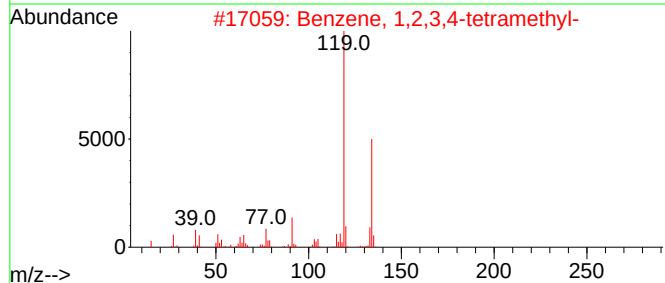
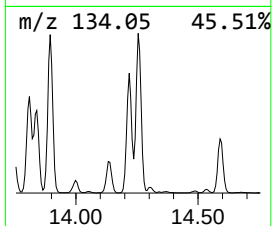
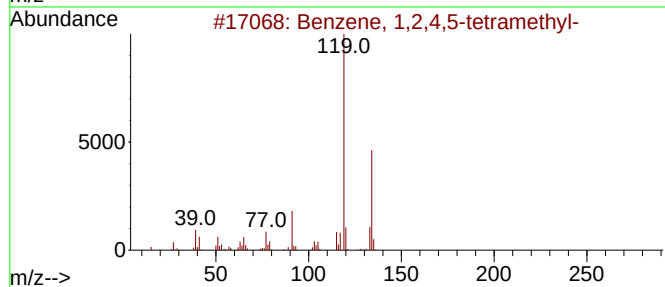
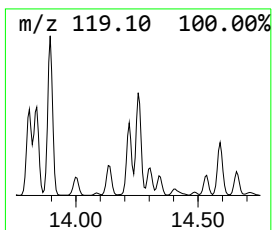
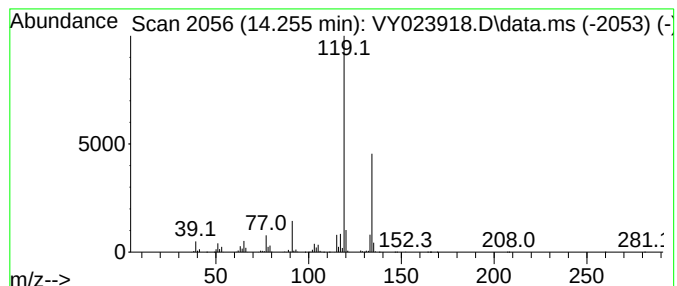
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.255	36.24 ug/l	2210980	1,4-Dichlorobenzene-d4	13.352

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
4			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
5			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120925\
Data File : VY023918.D
Acq On : 09 Dec 2025 19:01
Operator : SY/MD
Sample : Q3809-09
Misc : 2.45g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SW-6

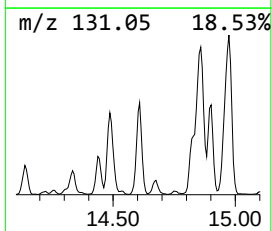
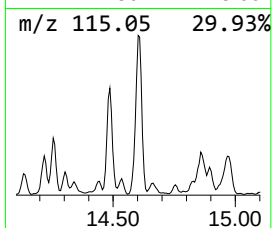
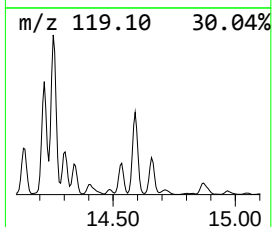
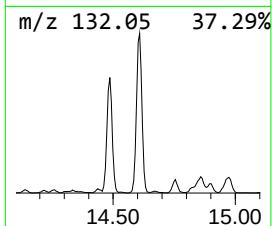
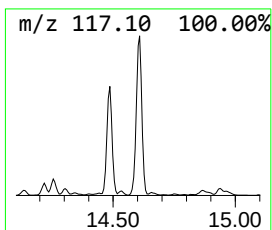
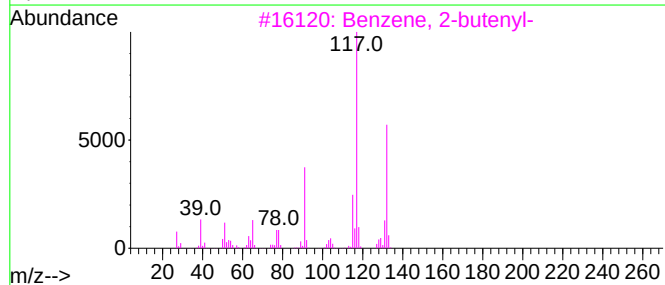
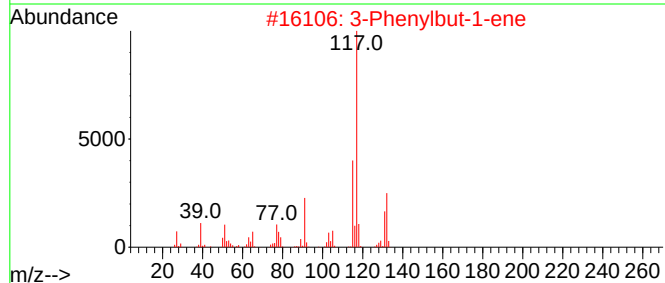
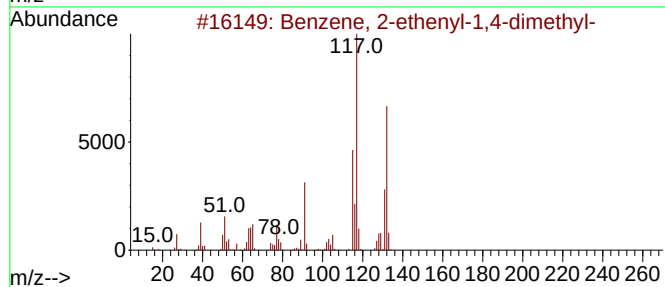
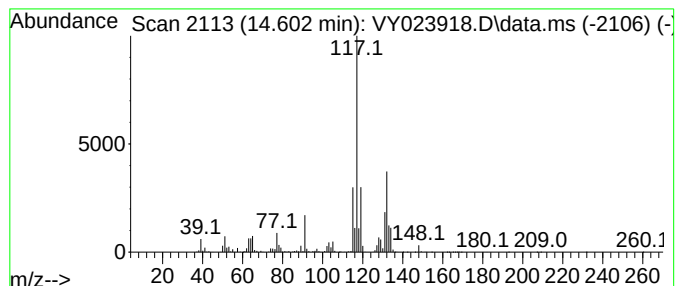
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.602	61.02 ug/l	3723240	1,4-Dichlorobenzene-d4	13.352

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
2			3-Phenylbut-1-ene	132	C10H12	000934-10-1	81
3			Benzene, 2-butenyl-	132	C10H12	001560-06-1	81
4			Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	76
5			1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120925\
Data File : VY023918.D
Acq On : 09 Dec 2025 19:01
Operator : SY/MD
Sample : Q3809-09
Misc : 2.45g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SW-6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Heptane	8.481	51.8	ug/l	3060870	2	8.622	2954480	50.0
Pentane, 2,3,4-...	9.548	47.8	ug/l	2823370	2	8.622	2954480	50.0
Heptane, 2-methyl-	9.756	54.5	ug/l	3222750	2	8.622	2954480	50.0
Heptane, 3-methyl-	9.896	68.2	ug/l	4029420	2	8.622	2954480	50.0
Octane	10.304	81.3	ug/l	5098610	3	11.420	3134280	50.0
Octane, 3-methyl-	11.310	36.6	ug/l	2293010	3	11.420	3134280	50.0
Benzene, 1-ethy...	12.664	158.5	ug/l	9668990	4	13.352	3050800	50.0
Benzene, 1-ethy...	12.895	56.9	ug/l	3473420	4	13.352	3050800	50.0
Benzene, 1-ethy...	13.895	56.0	ug/l	3418260	4	13.352	3050800	50.0
Benzene, 1,2,4,...	14.255	36.2	ug/l	2210980	4	13.352	3050800	50.0
Benzene, 2-ethe...	14.602	61.0	ug/l	3723240	4	13.352	3050800	50.0