

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
 Data File : VY016115.D
 Acq On : 27 Oct 2023 19:40
 Operator : SY/MD
 Sample : 05107-07
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 1077

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\82Y102623S.M
 Title : SW846 8260

Signal : TIC: VY016115.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.077	36	42	59	rBV	566699	779202	1.82%	0.234%
2	2.247	67	70	81	rVB	291339	477661	1.11%	0.143%
3	2.906	169	178	197	rBV	415507	922970	2.15%	0.277%
4	3.259	227	236	257	rVB2	242333	609340	1.42%	0.183%
5	4.771	463	484	512	rVB6	181465	1007071	2.35%	0.302%
6	5.753	631	645	664	rBV	290849	906531	2.11%	0.272%
7	6.795	807	816	837	rVB	272260	859482	2.00%	0.258%
8	7.789	970	979	988	rVB5	846114	2426155	5.66%	0.728%
9	8.002	1002	1014	1021	rBV	282325	692887	1.62%	0.208%
10	8.167	1030	1041	1053	rBV	13498481	30112749	70.20%	9.039%
11	8.417	1076	1082	1094	rVB2	188084	476297	1.11%	0.143%
12	8.551	1095	1104	1116	rBV	778358	1528845	3.56%	0.459%
13	8.691	1119	1127	1143	rBV	353298	729480	1.70%	0.219%
14	9.185	1193	1208	1215	rBV	1826542	3921015	9.14%	1.177%
15	9.825	1307	1313	1317	rBV	516269	960646	2.24%	0.288%
16	9.965	1326	1336	1347	rBV	477204	1101021	2.57%	0.330%
17	10.179	1364	1371	1375	rBV	1056989	1954036	4.56%	0.587%
18	10.246	1375	1382	1390	rVV	22615304	42898616	100.00%	12.877%
19	10.374	1394	1403	1411	rVB2	1440919	2728773	6.36%	0.819%
20	10.520	1419	1427	1433	rVB2	331938	727209	1.70%	0.218%
21	10.904	1485	1490	1498	rBV	207482	474657	1.11%	0.142%
22	11.038	1507	1512	1517	rVB	485678	747756	1.74%	0.224%
23	11.093	1517	1521	1526	rVB	365737	584836	1.36%	0.176%
24	11.282	1544	1552	1563	rVB4	719200	1590728	3.71%	0.477%
25	11.386	1563	1569	1579	rVB	499001	869457	2.03%	0.261%
26	11.490	1580	1586	1592	rBV	454395	771815	1.80%	0.232%
27	11.593	1596	1603	1611	rBV	3796840	6293480	14.67%	1.889%
28	11.703	1611	1621	1631	rBV	17013085	31997361	74.59%	9.605%
29	12.032	1664	1675	1683	rBV	9436543	15969840	37.23%	4.794%
30	12.203	1694	1703	1707	rBV5	315343	716869	1.67%	0.215%
31	12.252	1707	1711	1715	rVB3	295107	500936	1.17%	0.150%
32	12.331	1720	1724	1727	rBV	424356	692181	1.61%	0.208%
33	12.416	1728	1738	1740	rBV5	466961	1361062	3.17%	0.409%
34	12.483	1746	1749	1753	rVV3	423005	651099	1.52%	0.195%
35	12.526	1753	1756	1760	rVB	327615	442006	1.03%	0.133%
36	12.672	1772	1780	1785	rVB	740841	1567850	3.65%	0.471%

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Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

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37	12.739	1785	1791	1794	rBV	2739105	4416576	10.30%	1.326%
38	12.770	1794	1796	1798	rVV	1033638	1208069	2.82%	0.363%
39	12.812	1798	1803	1809	rVB2	4700888	7423549	17.30%	2.228%
40	12.971	1816	1829	1837	rBV2	1839891	5387962	12.56%	1.617%
41	13.044	1837	1841	1843	rBV	458838	597659	1.39%	0.179%
42	13.123	1848	1854	1859	rVV	6735256	10624026	24.77%	3.189%
43	13.172	1859	1862	1867	rVB	818487	1095430	2.55%	0.329%
44	13.227	1867	1871	1879	rVB6	281937	684020	1.59%	0.205%
45	13.318	1879	1886	1890	rBV3	641825	1249452	2.91%	0.375%
46	13.367	1891	1894	1897	rVV2	462976	659239	1.54%	0.198%
47	13.459	1901	1909	1913	rVV	3010836	5229340	12.19%	1.570%
48	13.501	1913	1916	1922	rVB3	412083	560243	1.31%	0.168%
49	13.629	1932	1937	1940	rBV2	968207	1478096	3.45%	0.444%
50	13.666	1940	1943	1952	rVB2	1338206	2288422	5.33%	0.687%
51	13.751	1952	1957	1962	rBV	2583127	3708944	8.65%	1.113%
52	13.806	1962	1966	1973	rVB	3824624	6167004	14.38%	1.851%
53	13.892	1975	1980	1981	rBV	525109	746430	1.74%	0.224%
54	13.916	1981	1984	1989	rVB2	788278	1161835	2.71%	0.349%
55	13.971	1989	1993	1997	rBV	787187	1068475	2.49%	0.321%
56	14.020	1997	2001	2006	rVB3	285871	539184	1.26%	0.162%
57	14.081	2006	2011	2015	rBV2	841151	1239702	2.89%	0.372%
58	14.129	2015	2019	2028	rVB8	283841	694739	1.62%	0.209%
59	14.215	2029	2033	2036	rBV2	387610	678942	1.58%	0.204%
60	14.294	2037	2046	2050	rVV4	883488	2820133	6.57%	0.847%
61	14.337	2050	2053	2057	rVB	1173630	1603416	3.74%	0.481%
62	14.385	2057	2061	2064	rBV2	811383	1149568	2.68%	0.345%
63	14.422	2064	2067	2071	rVB	481635	560229	1.31%	0.168%
64	14.568	2087	2091	2094	rVV2	287990	514871	1.20%	0.155%
65	14.611	2094	2098	2103	rVB	3131868	4256601	9.92%	1.278%
66	14.678	2103	2109	2114	rBV2	1712922	3680625	8.58%	1.105%
67	14.733	2114	2118	2125	rVB3	1292695	2790042	6.50%	0.837%
68	14.830	2130	2134	2139	rVV	832042	1270039	2.96%	0.381%
69	14.946	2149	2153	2156	rBV3	606868	887414	2.07%	0.266%
70	15.050	2165	2170	2176	rBV5	610977	1332305	3.11%	0.400%
71	15.141	2181	2185	2190	rVB5	834953	1524466	3.55%	0.458%
72	15.239	2191	2201	2212	rBV	20613450	39306584	91.63%	11.799%
73	15.336	2212	2217	2223	rBV2	756591	1426655	3.33%	0.428%
74	15.440	2229	2234	2241	rVB	3131437	4855963	11.32%	1.458%
75	15.531	2243	2249	2256	rBV5	419966	1233893	2.88%	0.370%
76	15.885	2303	2307	2317	rVB8	332918	783775	1.83%	0.235%

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77	16.019	2324	2329	2335	rBV5	458000	1037977	2.42%	0.312%
78	16.086	2336	2340	2347	rVB5	309910	714234	1.66%	0.214%
79	16.159	2347	2352	2357	rVB	642057	1088807	2.54%	0.327%
80	16.226	2359	2363	2367	rBV	292966	547652	1.28%	0.164%
81	16.294	2367	2374	2381	rVV	10217771	20362069	47.47%	6.112%
82	16.361	2381	2385	2390	rVB	1200870	2031881	4.74%	0.610%
83	16.489	2399	2406	2419	rVB	8017985	17401408	40.56%	5.223%

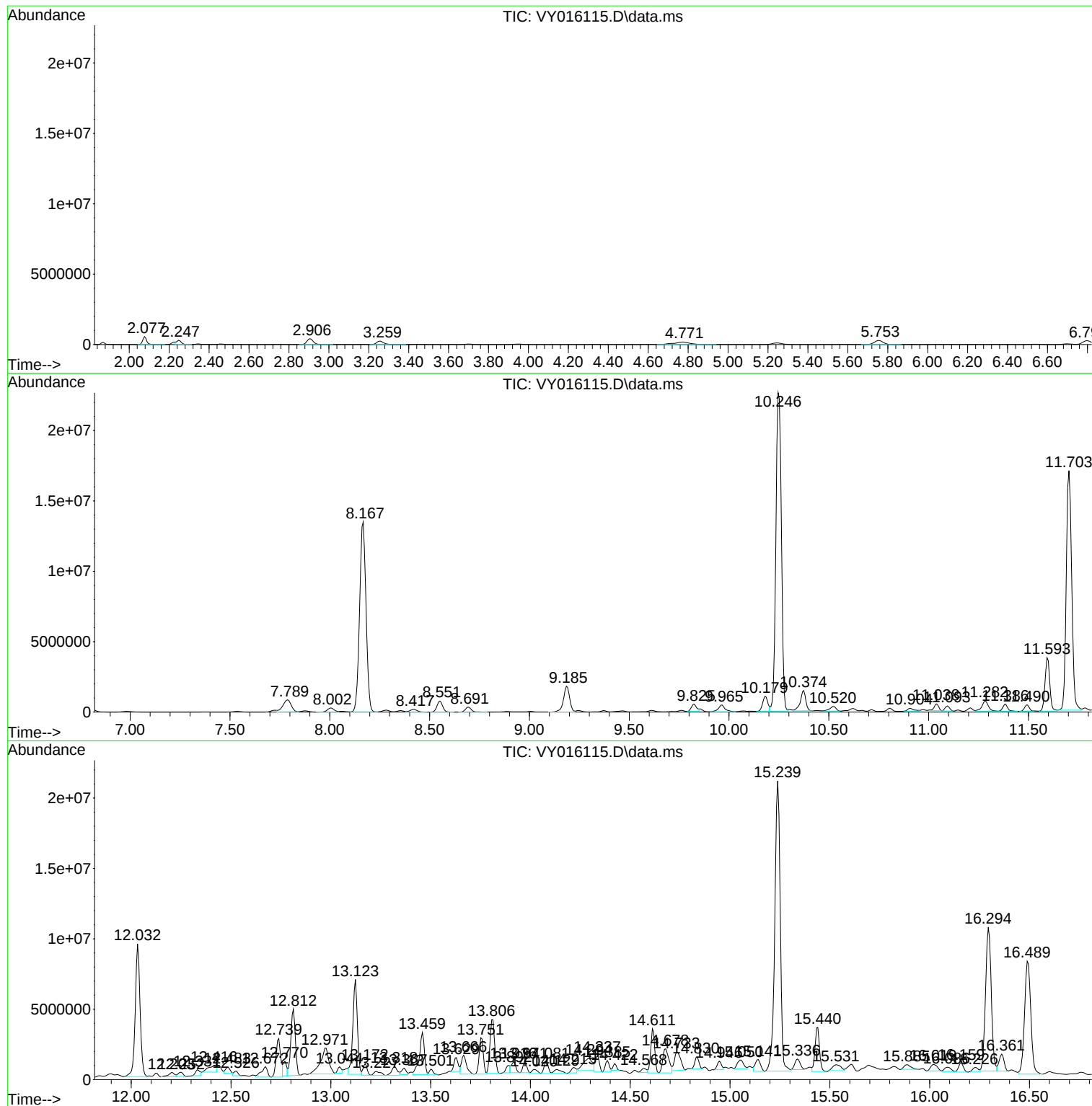
Sum of corrected areas: 333139864

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260

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



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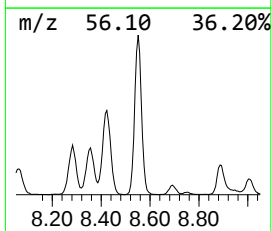
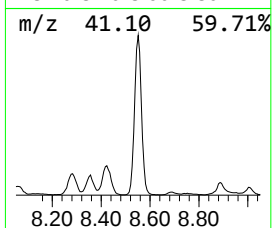
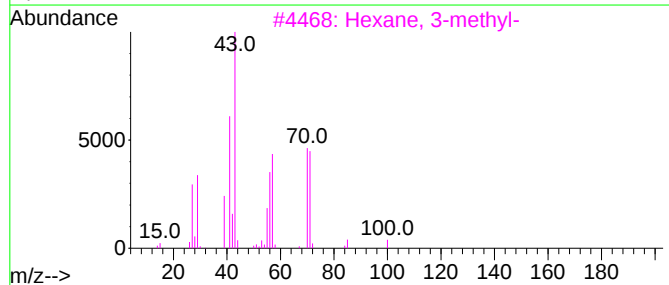
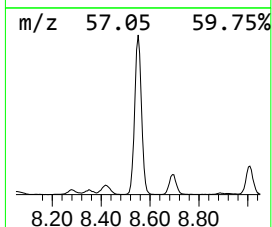
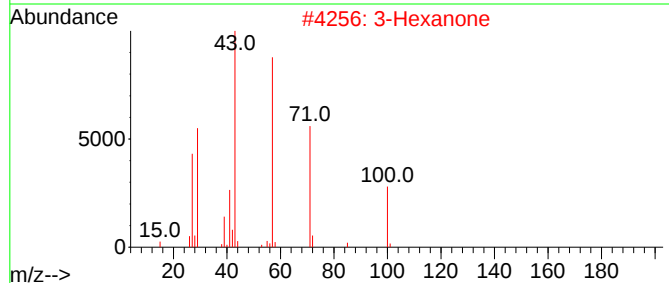
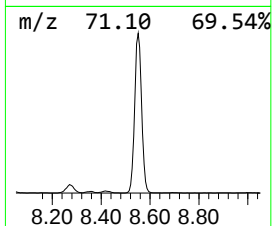
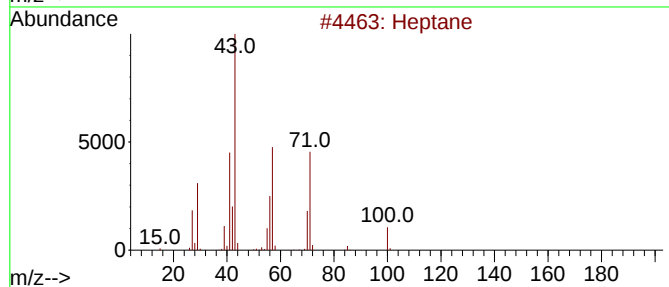
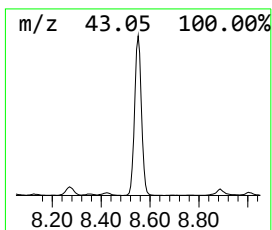
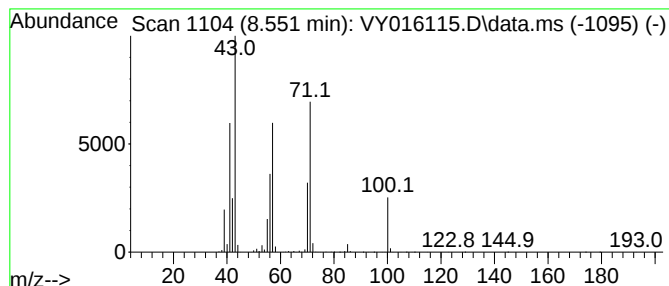
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260

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

Peak Number 1 Heptane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.551	104.79 ug/l	1528850	1,4-Difluorobenzene	8.691

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane	100	C7H16	000142-82-5	91
2			3-Hexanone	100	C6H12O	000589-38-8	50
3			Hexane, 3-methyl-	100	C7H16	000589-34-4	50
4			Acetaldehyde, propylhydrazone	100	C5H12N2	007422-88-0	47
5			Pentane, 2-methyl-	86	C6H14	000107-83-5	43



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Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
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Instrument :
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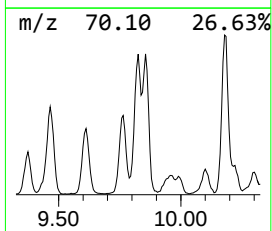
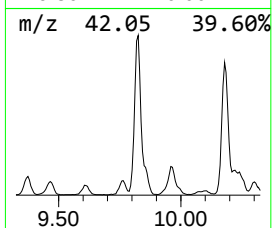
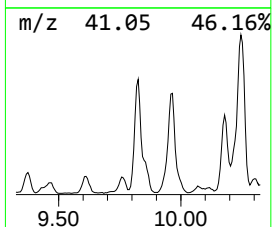
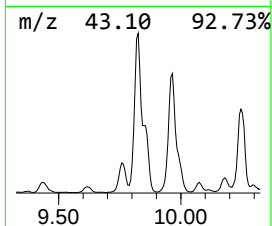
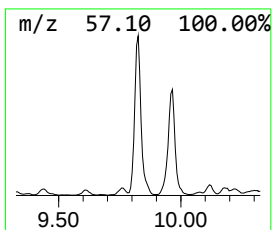
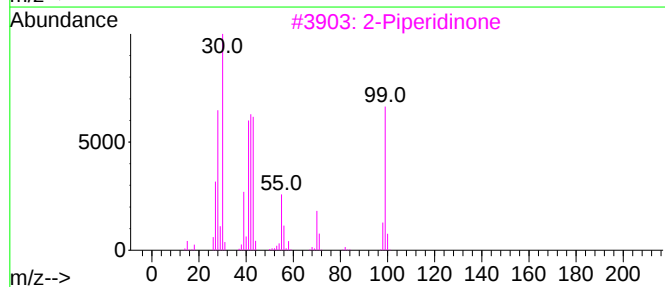
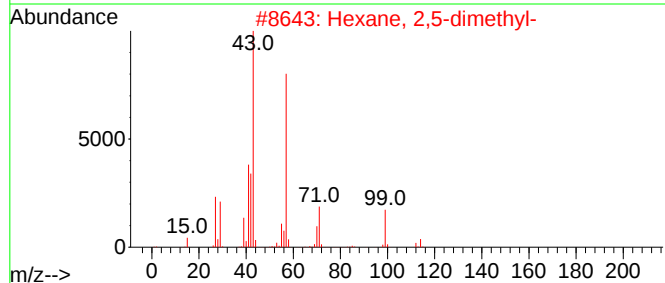
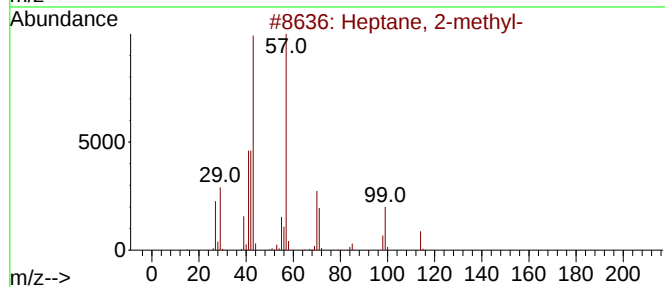
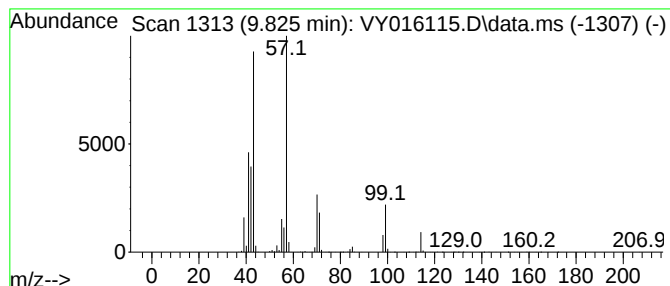
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Heptane, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.825	65.84 ug/l	960646	1,4-Difluorobenzene	8.691

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2-methyl-	114	C8H18	000592-27-8	97
2			Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	58
3			2-Piperidinone	99	C5H9NO	000675-20-7	53
4			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	38
5			Nonane, 4-methyl-	142	C10H22	017301-94-9	38



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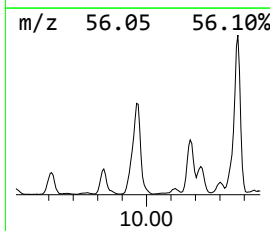
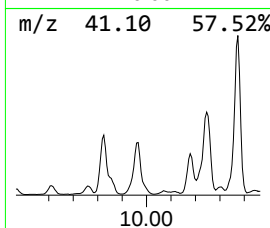
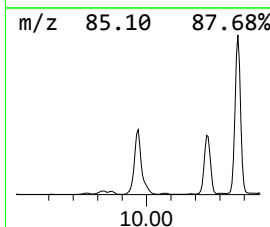
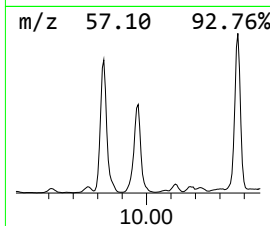
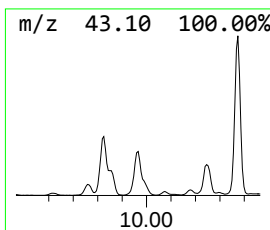
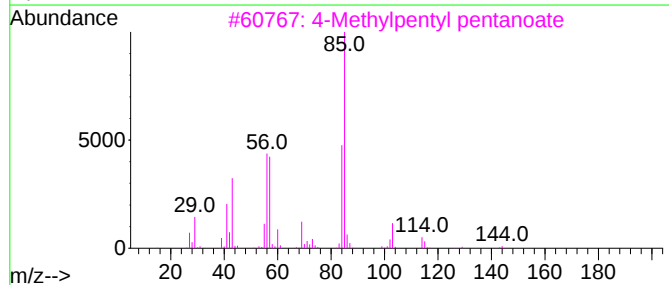
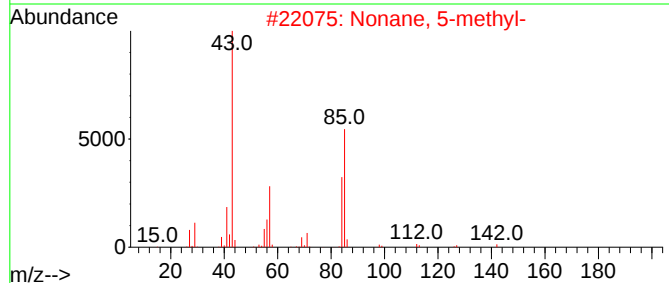
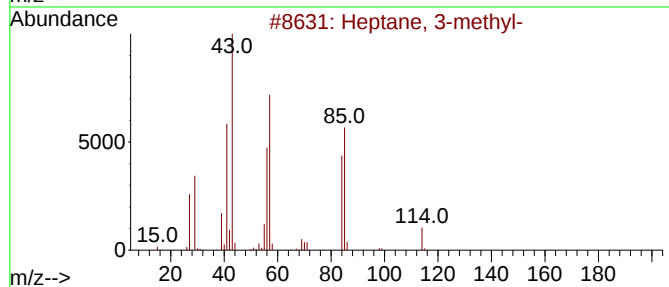
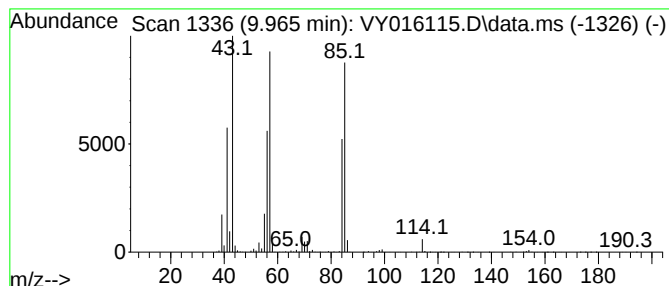
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260

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

Peak Number 3 Heptane, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.965	75.47 ug/l	1101020	1,4-Difluorobenzene	8.691

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3-methyl-	114	C8H18	000589-81-1	94
2			Nonane, 5-methyl-	142	C10H22	015869-85-9	72
3			4-Methylpentyl pentanoate	186	C11H22O2	035852-47-2	64
4			Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	64
5			Hexane, 1-(hexyloxy)-2-methyl-	200	C13H28O	074421-17-3	64



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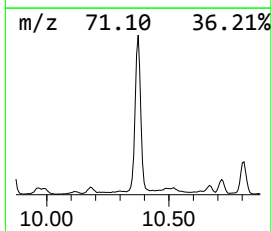
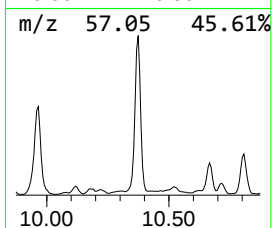
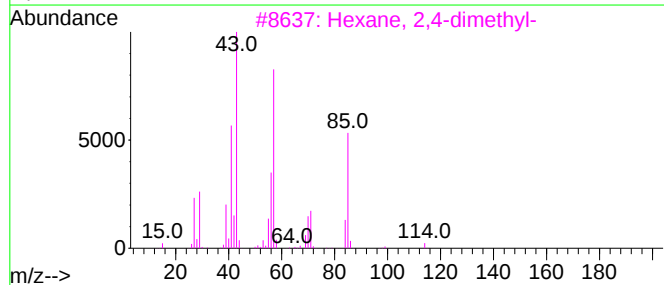
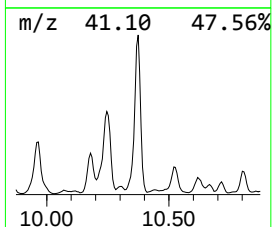
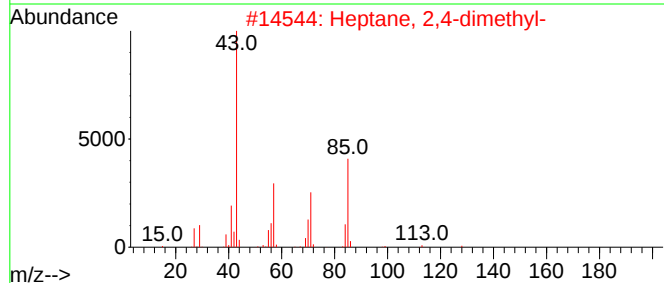
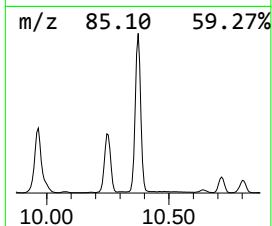
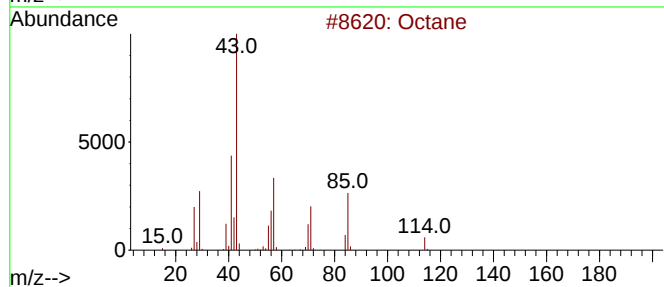
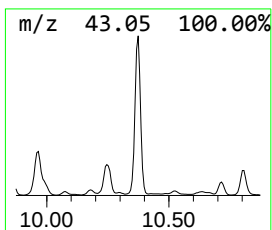
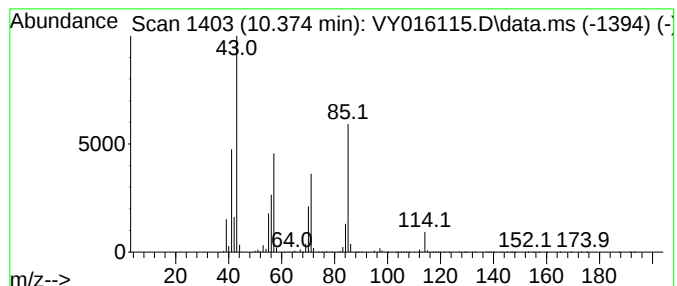
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Quant Title : SW846 8260

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

Peak Number 4 Octane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.374	176.78 ug/l	2728770	Chlorobenzene-d5	11.496

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane			114	C8H18	000111-65-9	94
2	Heptane, 2,4-dimethyl-			128	C9H20	002213-23-2	72
3	Hexane, 2,4-dimethyl-			114	C8H18	000589-43-5	59
4	Hexane, 2,3,4-trimethyl-			128	C9H20	000921-47-1	53
5	Heptane, 2,3-dimethyl-			128	C9H20	003074-71-3	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016115.D
Acq On : 27 Oct 2023 19:40
Operator : SY/MD
Sample : 05107-07
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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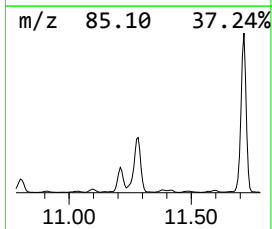
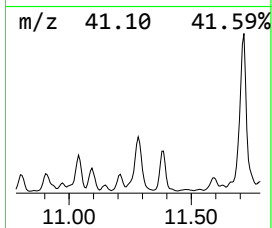
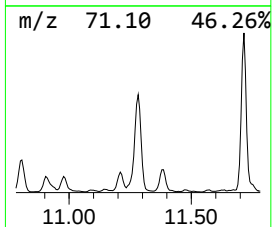
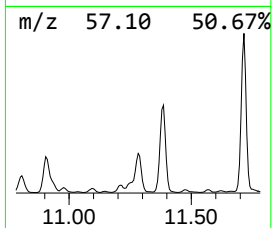
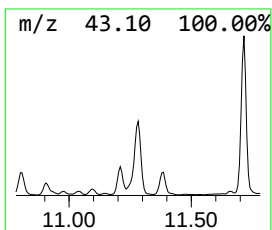
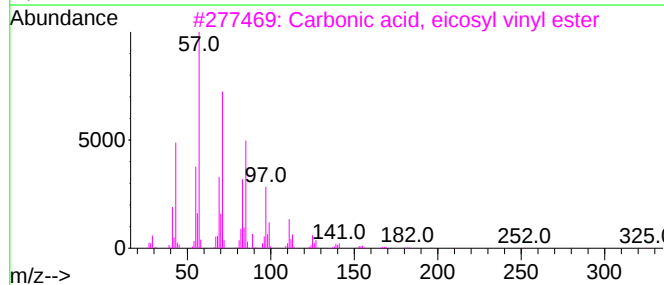
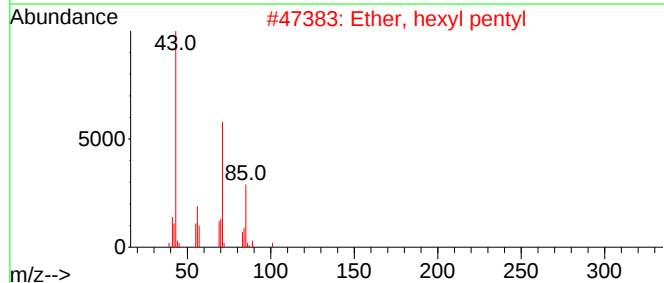
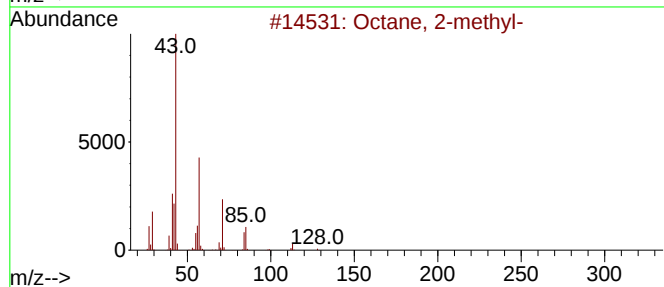
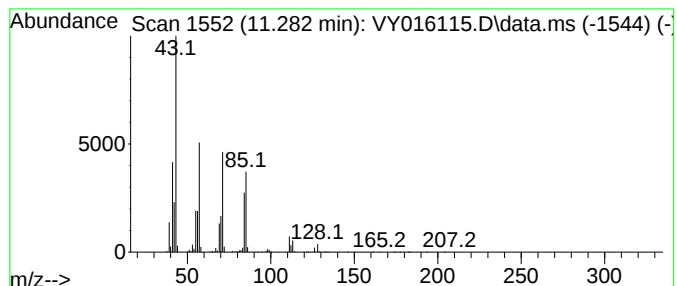
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Quant Title : SW846 8260

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

Peak Number 5 Octane, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.282	103.05 ug/l	1590730	Chlorobenzene-d5	11.496

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 2-methyl-	128	C9H20	003221-61-2	64
2			Ether, hexyl pentyl	172	C11H24O	032357-83-8	50
3			Carbonic acid, eicosyl vinyl ester	368	C23H44O3	1000382-54-3	50
4			Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	49
5			Undecane, 4,7-dimethyl-	184	C13H28	017301-32-5	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016115.D
Acq On : 27 Oct 2023 19:40
Operator : SY/MD
Sample : 05107-07
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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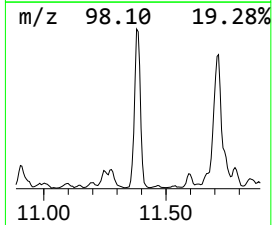
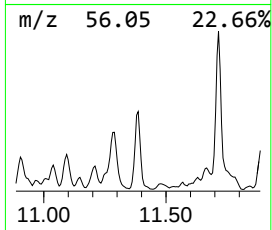
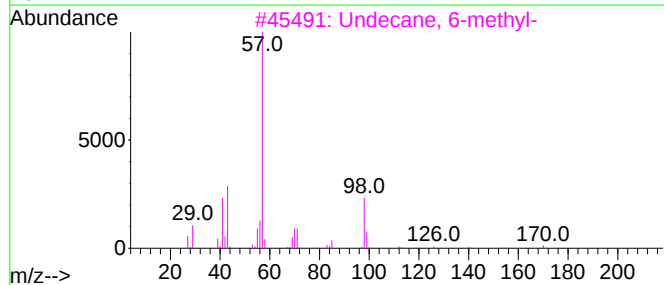
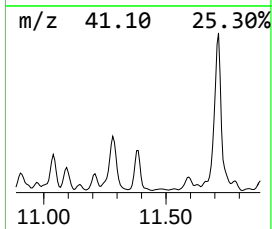
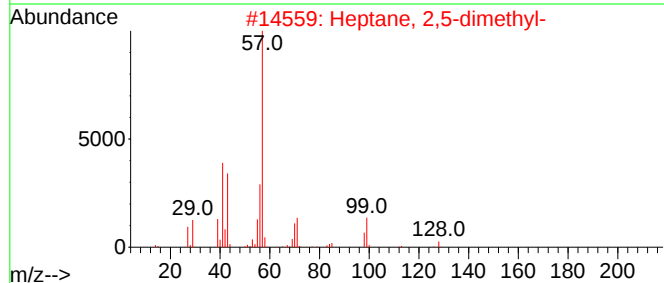
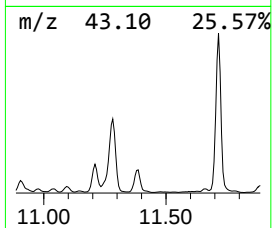
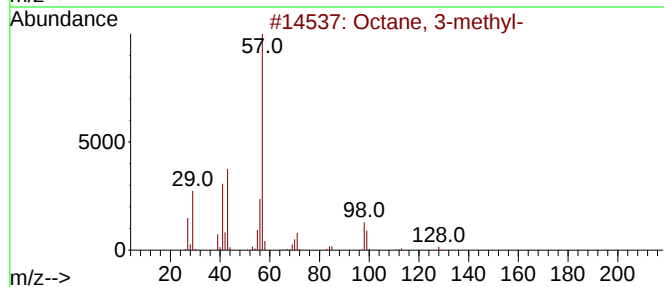
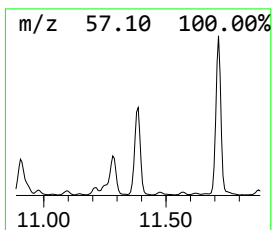
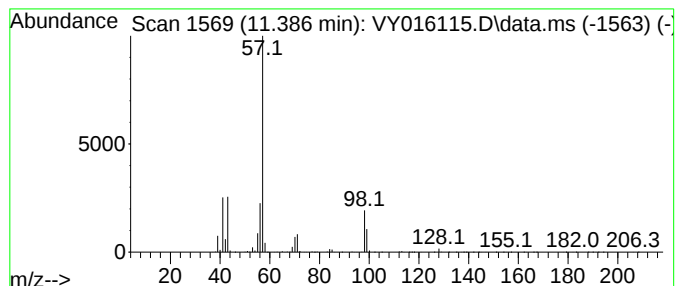
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Quant Title : SW846 8260

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

Peak Number 6 Octane, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.386	56.33 ug/l	869457	Chlorobenzene-d5	11.496

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	70
3			Undecane, 6-methyl-	170	C12H26	017302-33-9	64
4			Heptane, 3-ethyl-	128	C9H20	015869-80-4	53
5			Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016115.D
Acq On : 27 Oct 2023 19:40
Operator : SY/MD
Sample : 05107-07
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

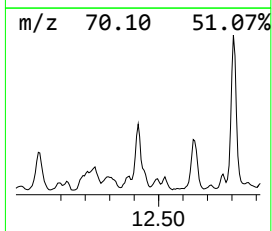
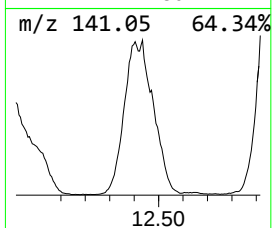
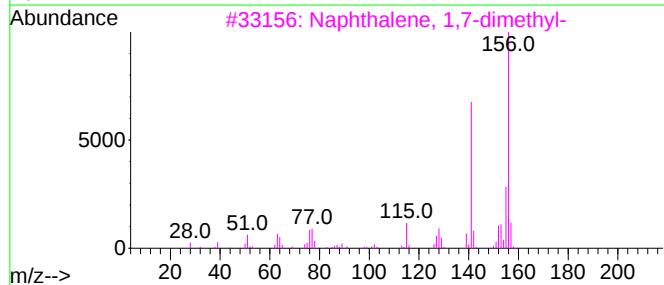
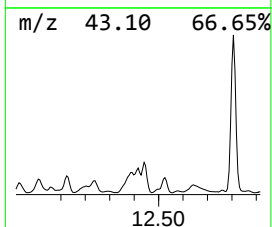
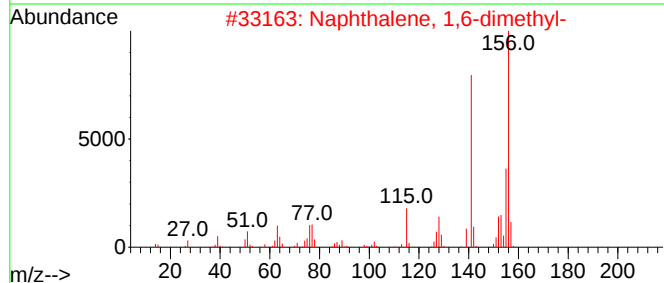
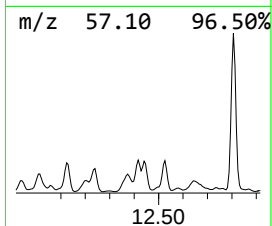
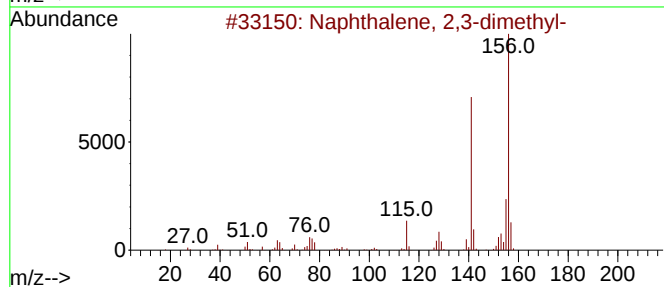
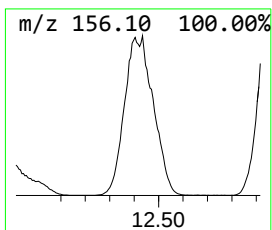
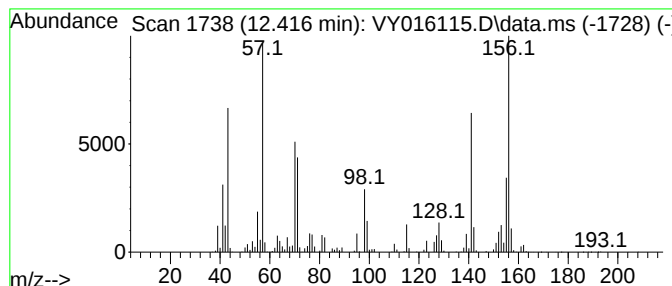
Instrument :
MSVOA_Y
ClientSampleId :
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Quant Title : SW846 8260

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

Peak Number 7 Naphthalene, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.416	88.17 ug/l	1361060	Chlorobenzene-d5	11.496	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016115.D
Acq On : 27 Oct 2023 19:40
Operator : SY/MD
Sample : 05107-07
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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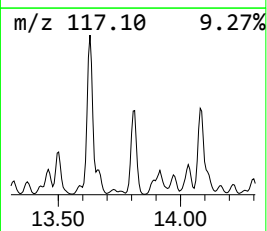
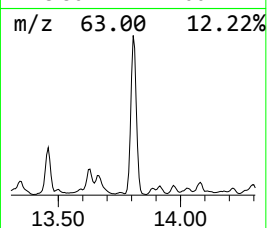
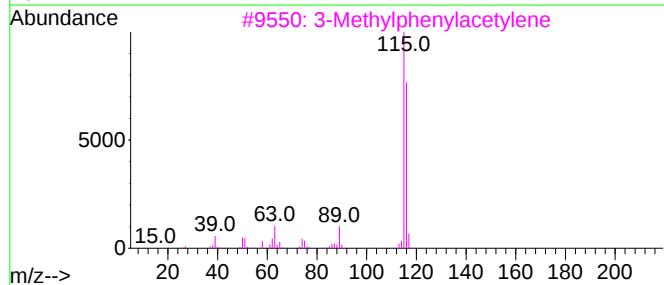
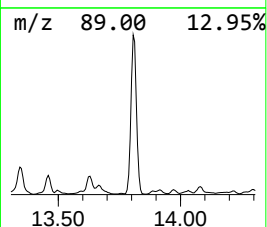
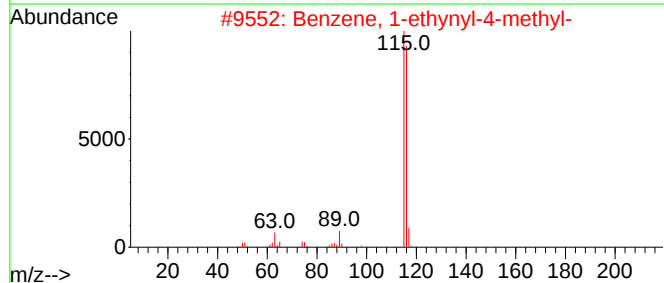
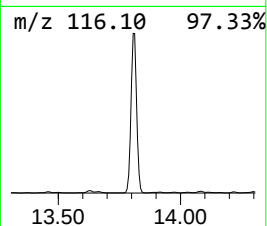
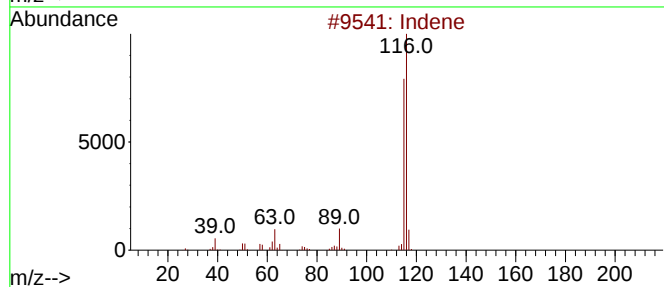
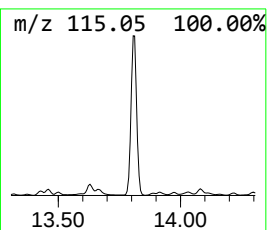
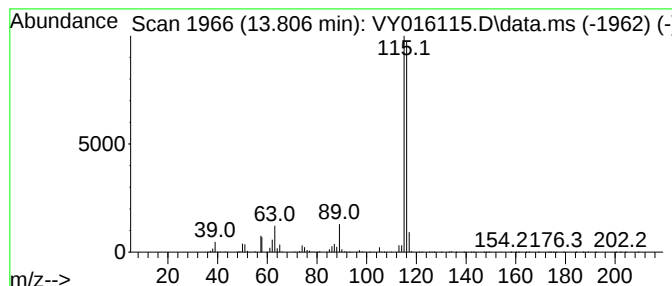
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Quant Title : SW846 8260

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

Peak Number 8 Indene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.806	58.97 ug/l	6167000	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91
3	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	2-Methylphenylacetylene	116	C9H8	000766-47-2	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016115.D
Acq On : 27 Oct 2023 19:40
Operator : SY/MD
Sample : 05107-07
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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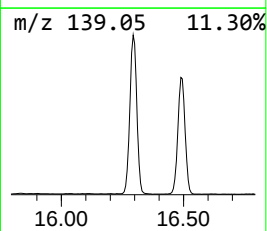
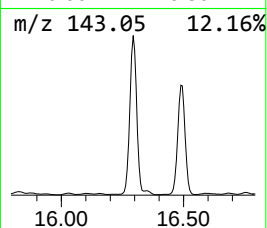
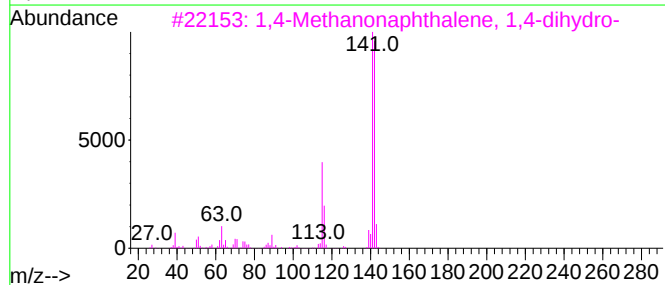
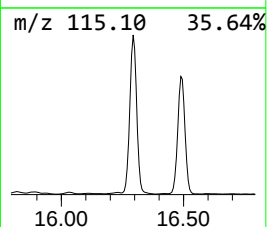
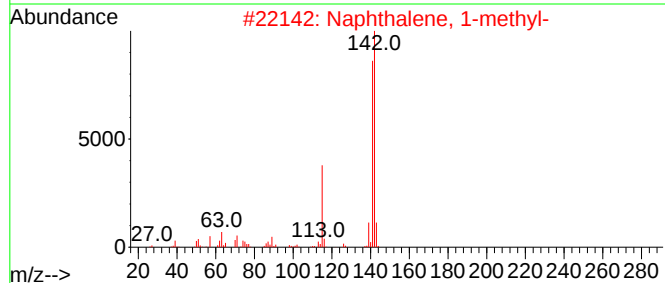
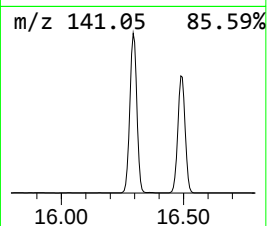
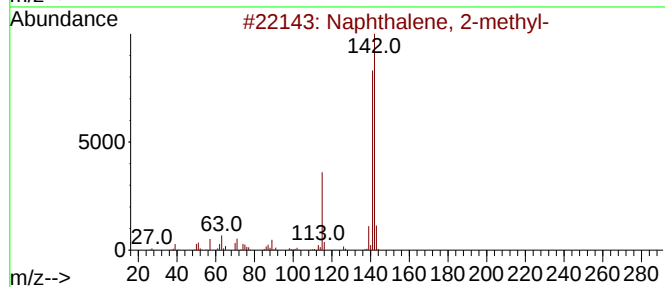
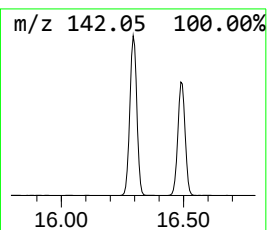
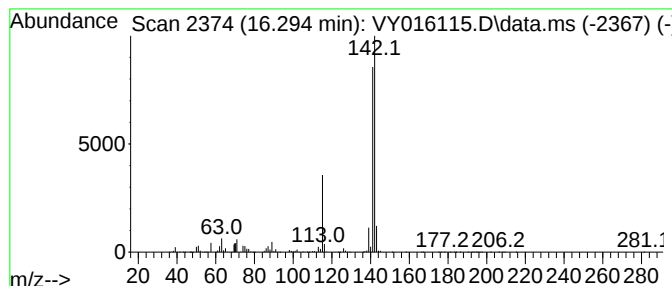
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Quant Title : SW846 8260

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

Peak Number 9 Naphthalene, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.294	194.69 ug/l	20362100	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3			1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4			Benzocycloheptatriene	142	C11H10	000264-09-5	91
5			1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016115.D
Acq On : 27 Oct 2023 19:40
Operator : SY/MD
Sample : 05107-07
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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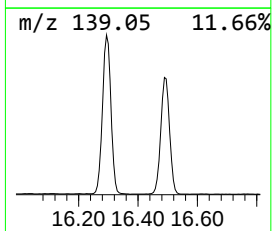
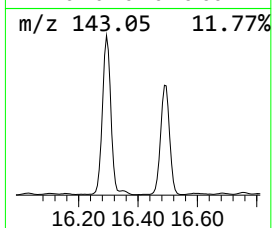
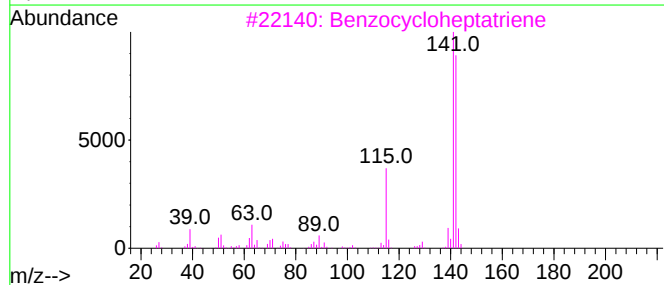
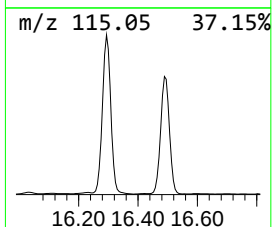
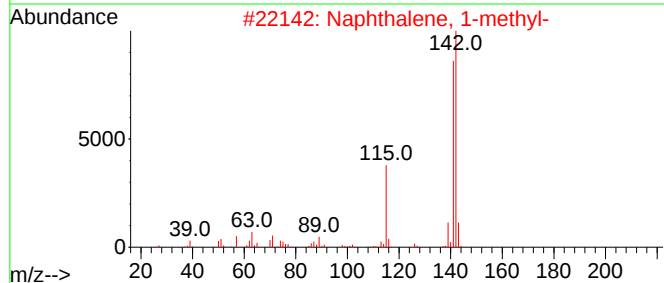
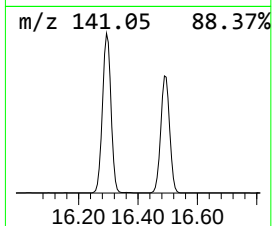
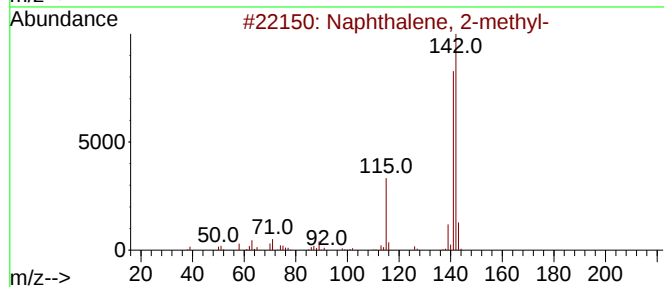
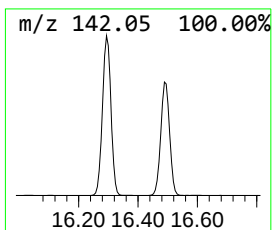
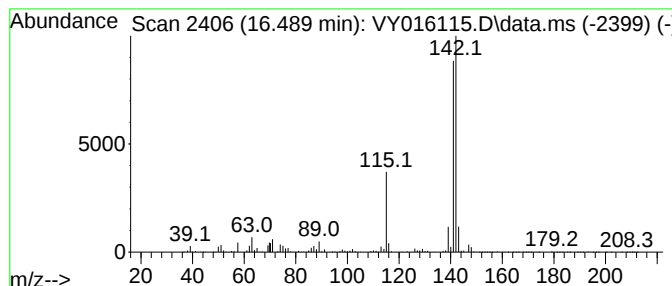
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Quant Title : SW846 8260

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

Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.489	166.38 ug/l	17401400	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3			Benzocycloheptatriene	142	C11H10	000264-09-5	91
4			1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5			1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016115.D
Acq On : 27 Oct 2023 19:40
Operator : SY/MD
Sample : 05107-07
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
1077

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.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	8.551	104.8	ug/l	1528850	2	8.691	729480	50.0
Heptane, 2-methyl-	9.825	65.8	ug/l	960646	2	8.691	729480	50.0
Heptane, 3-methyl-	9.965	75.5	ug/l	1101020	2	8.691	729480	50.0
Octane	10.374	176.8	ug/l	2728770	3	11.496	771815	50.0
Octane, 2-methyl-	11.282	103.1	ug/l	1590730	3	11.496	771815	50.0
Octane, 3-methyl-	11.386	56.3	ug/l	869457	3	11.496	771815	50.0
Naphthalene, 2,...	12.416	88.2	ug/l	1361060	3	11.496	771815	50.0
Indene	13.806	59.0	ug/l	6167000	4	13.428	5229340	50.0
Naphthalene, 2-...	16.294	194.7	ug/l	20362100	4	13.428	5229340	50.0
Naphthalene, 1-...	16.489	166.4	ug/l	17401400	4	13.428	5229340	50.0