LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011723\
Data File : VY012227.D
Acq On : 17 Jan 2023 16:50
Operator : KP/MD
Sample : 01167-01
Misc : 5.10g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-3-011623

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\82Y011623S.M
Title : SW846 8260

Signal : TIC: VY012227.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.302	77	79	86	rBV2	324	501	1.02%	0.115%
2	2.381	88	92	94	rBV3	443	663	1.35%	0.152%
3	2.607	127	129	133	rVV2	484	684	1.39%	0.157%
4	2.668	133	139	145	rVB4	1096	2869	5.82%	0.657%
5	4.101	369	374	377	rBV2	632	988	2.01%	0.226%
6	4.716	467	475	484	rVB5	1658	3984	8.09%	0.912%
7	6.960	836	843	846	rBV3	1189	2487	5.05%	0.569%
8	7.137	868	872	875	rBV2	329	583	1.18%	0.133%
9	7.533	935	937	941	rVV2	415	673	1.37%	0.154%
10	7.716	960	967	973	rBV4	4236	10352	21.01%	2.369%
11	7.789	973	979	986	rVB2	11698	25408	51.58%	5.814%
12	8.143	1030	1037	1044	rBV2	8156	18279	37.10%	4.183%
13	8.691	1120	1127	1138	rVB2	17377	34621	70.28%	7.923%
14	10.179	1364	1371	1378	rBV	28333	49263	100.00%	11.273%
15	10.581	1430	1437	1439	rBV3	281	521	1.06%	0.119%
16	11.386	1565	1569	1573	rBV3	379	583	1.18%	0.133%
17	11.490	1580	1586	1593	rBV2	26746	45148	91.65%	10.332%
18	12.008	1666	1671	1677	rBV4	642	1254	2.55%	0.287%
19	12.124	1687	1690	1694	rVB4	848	1235	2.51%	0.283%
20	12.209	1699	1704	1706	rVV4	840	1308	2.66%	0.299%
21	12.252	1706	1711	1717	rVV6	1094	2578	5.23%	0.590%
22	12.319	1720	1722	1727	rBV3	594	915	1.86%	0.209%
23	12.410	1736	1737	1743	rVB3	752	814	1.65%	0.186%
24	12.483	1743	1749	1755	rVV3	20534	33253	67.50%	7.610%
25	12.526	1755	1756	1760	rVB4	705	617	1.25%	0.141%
26	12.654	1771	1777	1779	rBV4	937	1662	3.37%	0.380%
27	12.721	1787	1788	1791	rBV3	611	624	1.27%	0.143%
28	12.806	1797	1802	1808	rVB6	2749	5661	11.49%	1.295%
29	12.861	1808	1811	1816	rVB4	1283	1967	3.99%	0.450%
30	12.947	1816	1825	1826	rBV3	1428	2990	6.07%	0.684%
31	13.044	1836	1841	1845	rBV3	2791	3543	7.19%	0.811%
32	13.129	1848	1855	1858	rVB7	1301	2448	4.97%	0.560%
33	13.166	1858	1861	1862	rBV3	524	565	1.15%	0.129%
34	13.251	1873	1875	1879	rVB4	872	857	1.74%	0.196%
35	13.318	1879	1886	1889	rBV5	2406	4693	9.53%	1.074%
36	13.361	1889	1893	1896	rVB6	1448	2149	4.36%	0.492%

LSC Area Percent Report

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Data File : VY012227.D
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Operator : KP/MD
Sample : 01167-01
Misc : 5.10g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-3-011623

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\82Y011623S.M
Title : SW846 8260

37	13.428	1896	1904	1913	rVB	25799	43878	89.07%	10.041%
38	13.507	1915	1917	1920	rVB5	770	737	1.50%	0.169%
39	13.550	1920	1924	1925	rBV3	894	1179	2.39%	0.270%
40	13.562	1925	1926	1928	rBV2	741	662	1.34%	0.151%
41	13.623	1933	1936	1940	rVB4	2286	2756	5.59%	0.631%
42	13.672	1940	1944	1947	rBV6	1291	1860	3.78%	0.426%
43	13.751	1952	1957	1962	rBV6	5000	8565	17.39%	1.960%
44	13.800	1962	1965	1968	rBV4	1451	1625	3.30%	0.372%
45	13.831	1968	1970	1972	rBV3	516	559	1.13%	0.128%
46	13.855	1972	1974	1977	rVV3	728	1040	2.11%	0.238%
47	13.885	1977	1979	1981	rVV3	878	977	1.98%	0.224%
48	13.922	1981	1985	1987	rVV5	1687	2084	4.23%	0.477%
49	13.971	1989	1993	1998	rVB3	3415	5472	11.11%	1.252%
50	14.013	1998	2000	2001	rBV2	481	501	1.02%	0.115%
51	14.081	2006	2011	2016	rVB5	4153	6899	14.00%	1.579%
52	14.148	2016	2022	2023	rBV4	1301	2431	4.93%	0.556%
53	14.190	2027	2029	2031	rVV3	1206	1141	2.32%	0.261%
54	14.209	2031	2032	2034	rVV2	1457	1099	2.23%	0.251%
55	14.257	2034	2040	2045	rVV5	4456	10411	21.13%	2.382%
56	14.300	2045	2047	2050	rVV3	2178	2612	5.30%	0.598%
57	14.330	2050	2052	2057	rVV3	1152	1485	3.01%	0.340%
58	14.385	2057	2061	2062	rVV3	1206	1559	3.16%	0.357%
59	14.422	2063	2067	2073	rVV5	3589	4908	9.96%	1.123%
60	14.477	2073	2076	2079	rVV5	1650	2422	4.92%	0.554%
61	14.507	2079	2081	2083	rVV3	1297	1327	2.69%	0.304%
62	14.526	2083	2084	2087	rVV3	1035	850	1.73%	0.195%
63	14.568	2087	2091	2096	rVV6	2353	4731	9.60%	1.083%
64	14.617	2096	2099	2102	rVV5	1662	2285	4.64%	0.523%
65	14.678	2102	2109	2115	rVV4	6942	14952	30.35%	3.422%
66	14.733	2115	2118	2124	rVB5	3134	4722	9.59%	1.081%
67	14.836	2131	2135	2142	rVB7	3942	6339	12.87%	1.451%
68	14.940	2144	2152	2157	rVB7	2626	5725	11.62%	1.310%
69	14.983	2157	2159	2163	rVB4	1357	1778	3.61%	0.407%
70	15.050	2163	2170	2171	rBV6	2324	3841	7.80%	0.879%
71	15.196	2191	2194	2196	rBV3	572	754	1.53%	0.173%
72	15.239	2198	2201	2203	rVB4	801	748	1.52%	0.171%
73	15.288	2206	2209	2212	rVV4	918	1208	2.45%	0.276%
74	15.361	2215	2221	2222	rBV5	1256	1527	3.10%	0.349%
75	15.599	2256	2260	2261	rBV3	726	792	1.61%	0.181%
76	15.617	2261	2263	2264	rVV2	808	594	1.21%	0.136%

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Operator : KP/MD
Sample : 01167-01
Misc : 5.10g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-3-011623

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

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Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
Title : SW846 8260

77	15.629	2264	2265	2268	rVV2	679	546	1.11%	0.125%
78	15.678	2268	2273	2275	rVV4	662	935	1.90%	0.214%
79	15.733	2278	2282	2286	rVB7	1619	2523	5.12%	0.577%
80	15.818	2294	2296	2300	rVB5	712	1131	2.30%	0.259%
81	15.928	2313	2314	2318	rBV3	470	563	1.14%	0.129%
82	16.031	2328	2331	2335	rBV4	1231	1751	3.55%	0.401%
83	16.226	2361	2363	2367	rBV4	737	775	1.57%	0.177%
84	16.294	2367	2374	2378	rBV7	1209	2325	4.72%	0.532%
85	16.580	2419	2421	2424	rBV3	606	665	1.35%	0.152%

Sum of corrected areas: 436989

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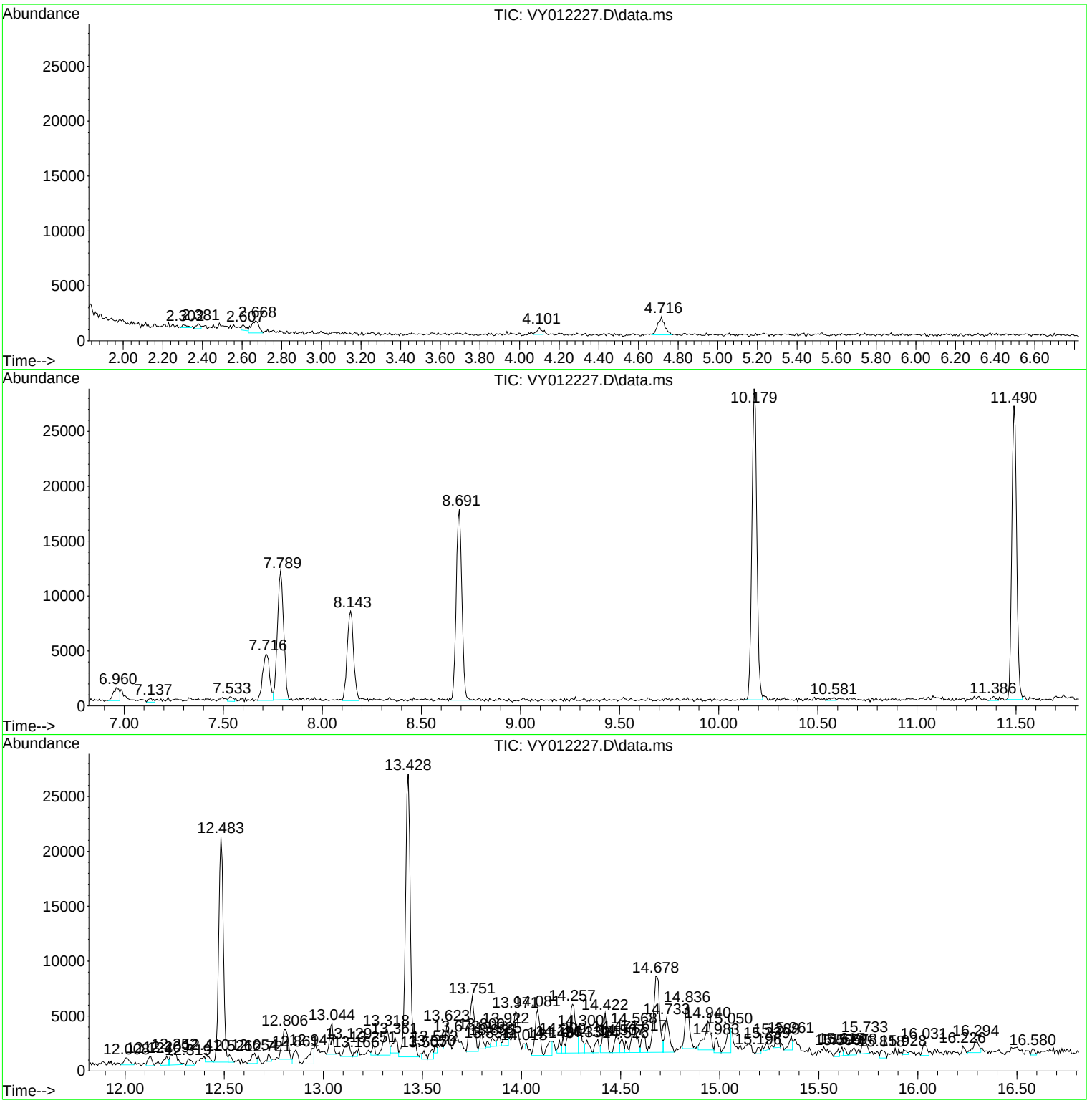
Instrument :
MSVOA_Y
ClientSampleId :
EO-3-011623

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011723\
Data File : VY012227.D
Acq On : 17 Jan 2023 16:50
Operator : KP/MD
Sample : 01167-01
Misc : 5.10g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-3-011623

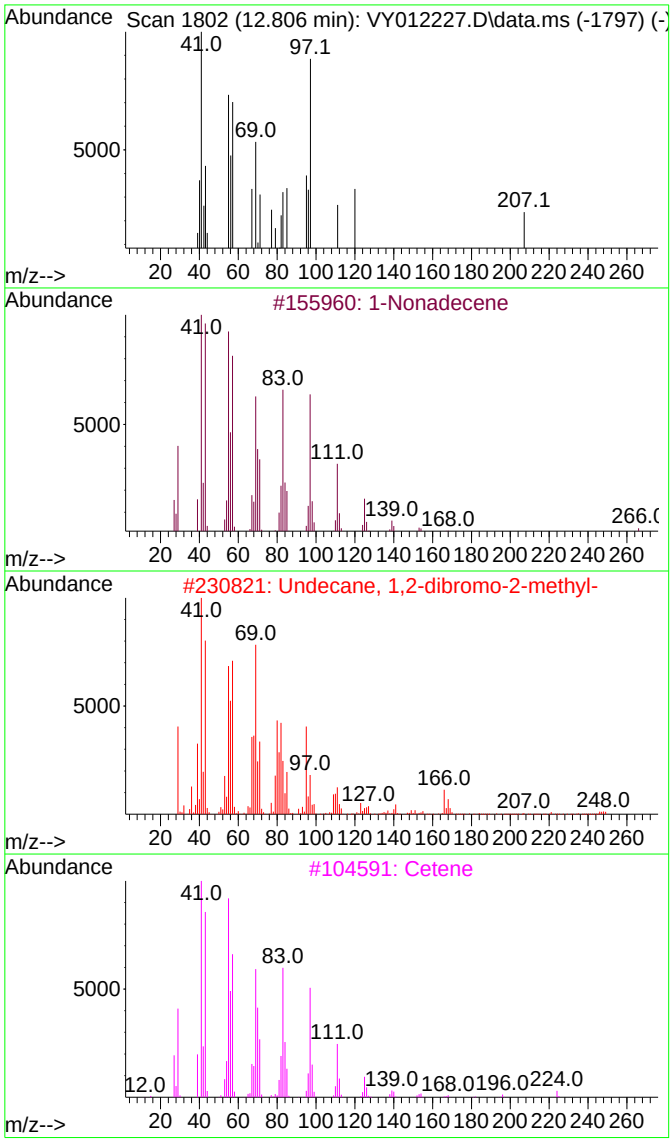
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
Quant Title : SW846 8260

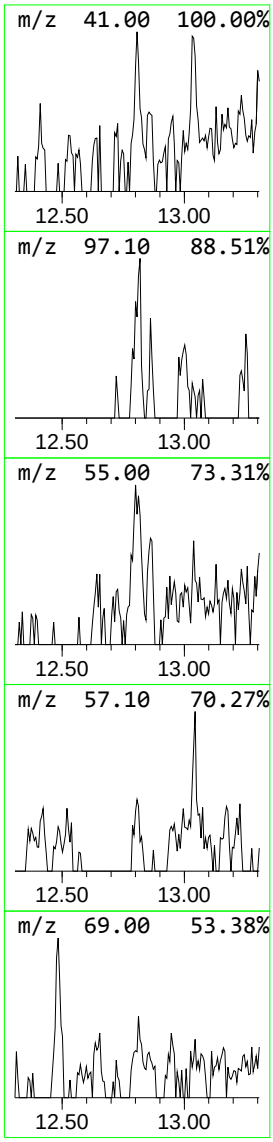
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 unknown12.806 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.806	6.45 ug/l	5661	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Nonadecene	266	C19H38	018435-45-5	35
2	Undecane, 1,2-dibromo-2-methyl-	326	C12H24Br2	055334-43-5	27
3	Cetene	224	C16H32	000629-73-2	25
4	1-Heptadecene	238	C17H34	006765-39-5	25
5	Dichloroacetic acid, undecyl ester	282	C13H24Cl2O2	090146-85-3	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011723\
Data File : VY012227.D
Acq On : 17 Jan 2023 16:50
Operator : KP/MD
Sample : 01167-01
Misc : 5.10g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-3-011623

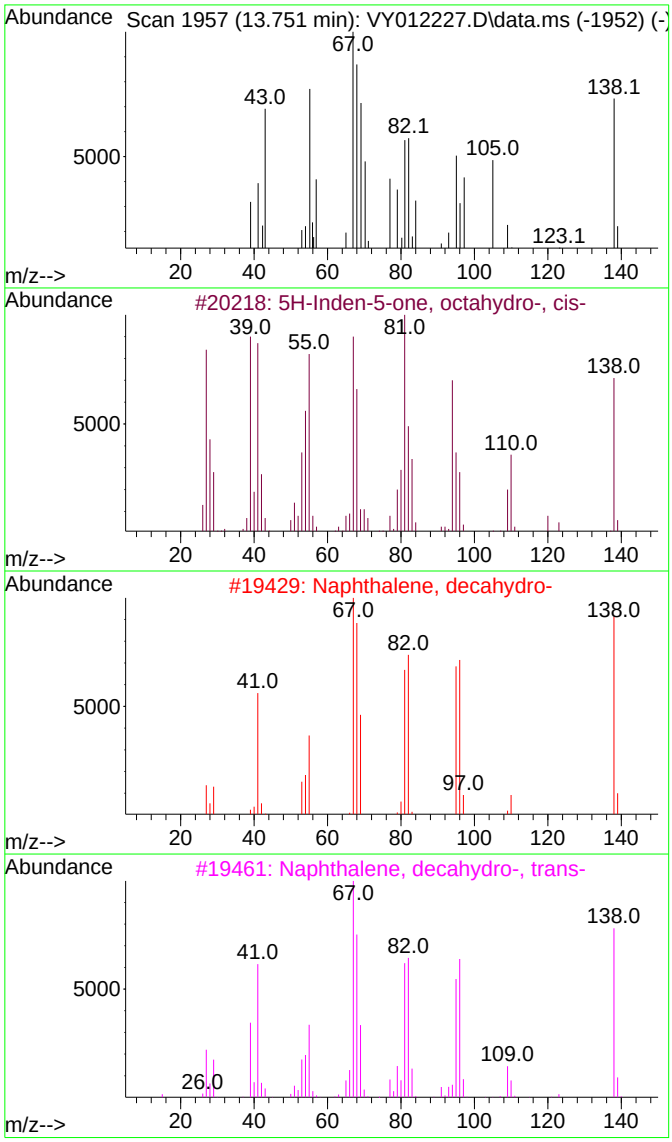
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
Quant Title : SW846 8260

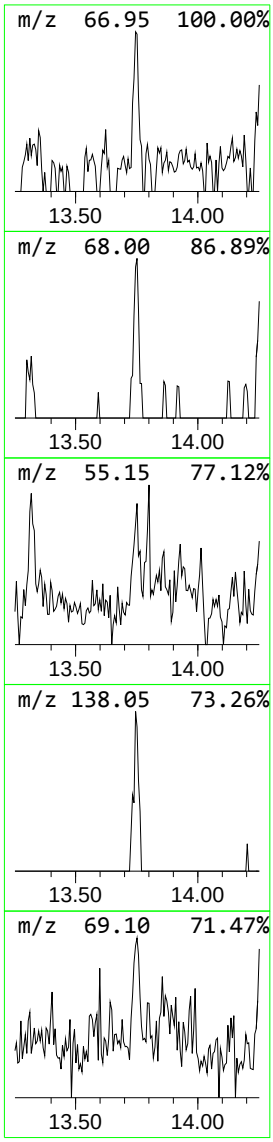
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 5H-Inden-5-one, octahydro-,... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.751	9.76 ug/l	8565	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Inden-5-one, octahydro-, cis-	138	C9H14O	004668-91-1	72
2	Naphthalene, decahydro-	138	C10H18	000091-17-8	68
3	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	68
4	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001879-07-8	58
5	1,1'-Bicyclopentyl	138	C10H18	001636-39-1	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011723\
Data File : VY012227.D
Acq On : 17 Jan 2023 16:50
Operator : KP/MD
Sample : 01167-01
Misc : 5.10g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-3-011623

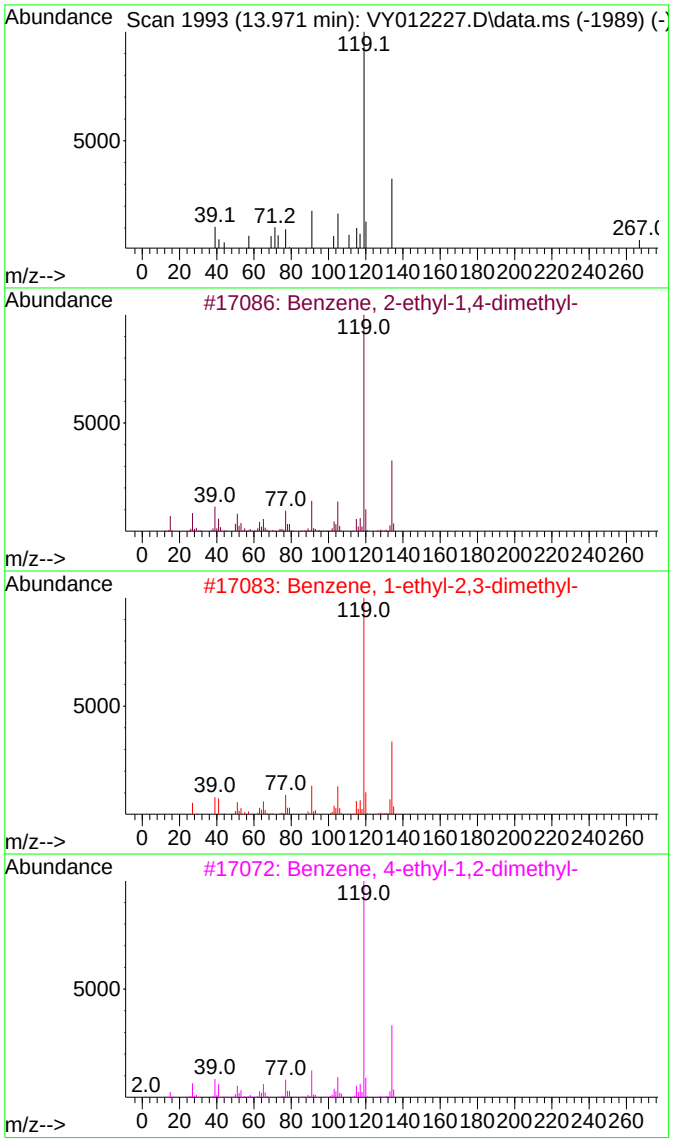
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
Quant Title : SW846 8260

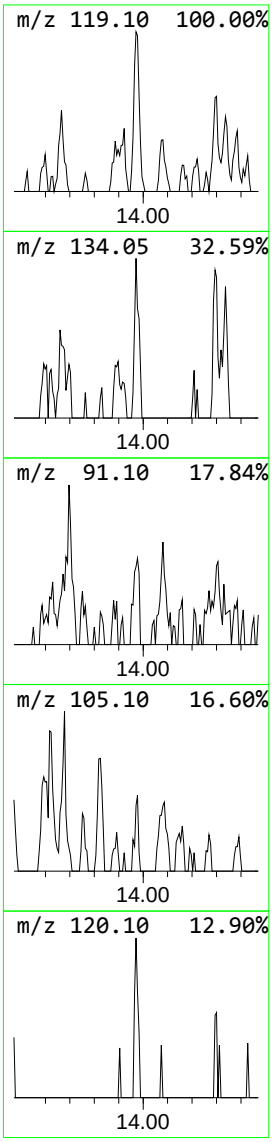
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.971	6.24 ug/l	5472	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	90
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	86
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	86
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	86





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Data File : VY012227.D
Acq On : 17 Jan 2023 16:50
Operator : KP/MD
Sample : 01167-01
Misc : 5.10g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-3-011623

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
Quant Title : SW846 8260

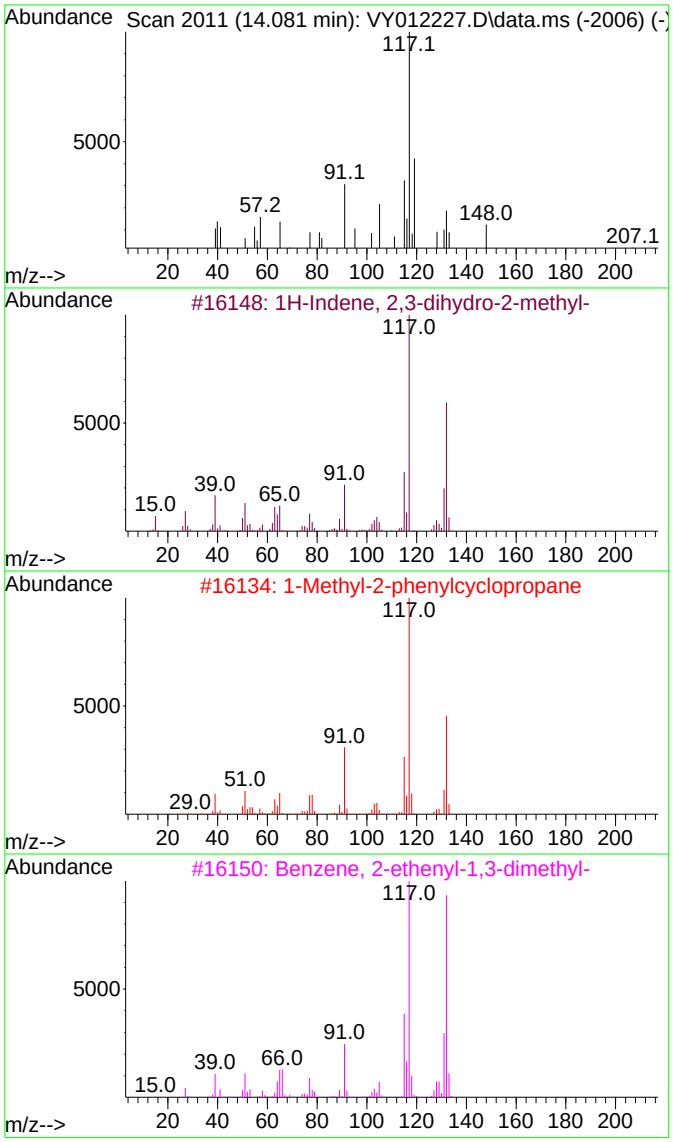
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

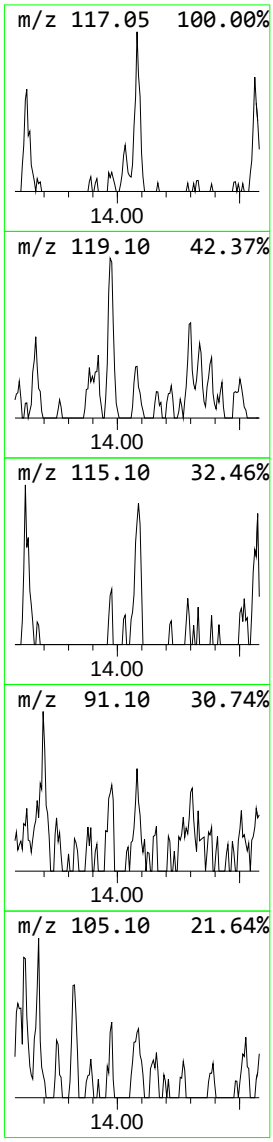
****

Peak Number 6 unknown14.081 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.081	7.86 ug/l	6899	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	49
2	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	49
3	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	47
4	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	47
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	47





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Data File : VY012227.D
Acq On : 17 Jan 2023 16:50
Operator : KP/MD
Sample : 01167-01
Misc : 5.10g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-3-011623

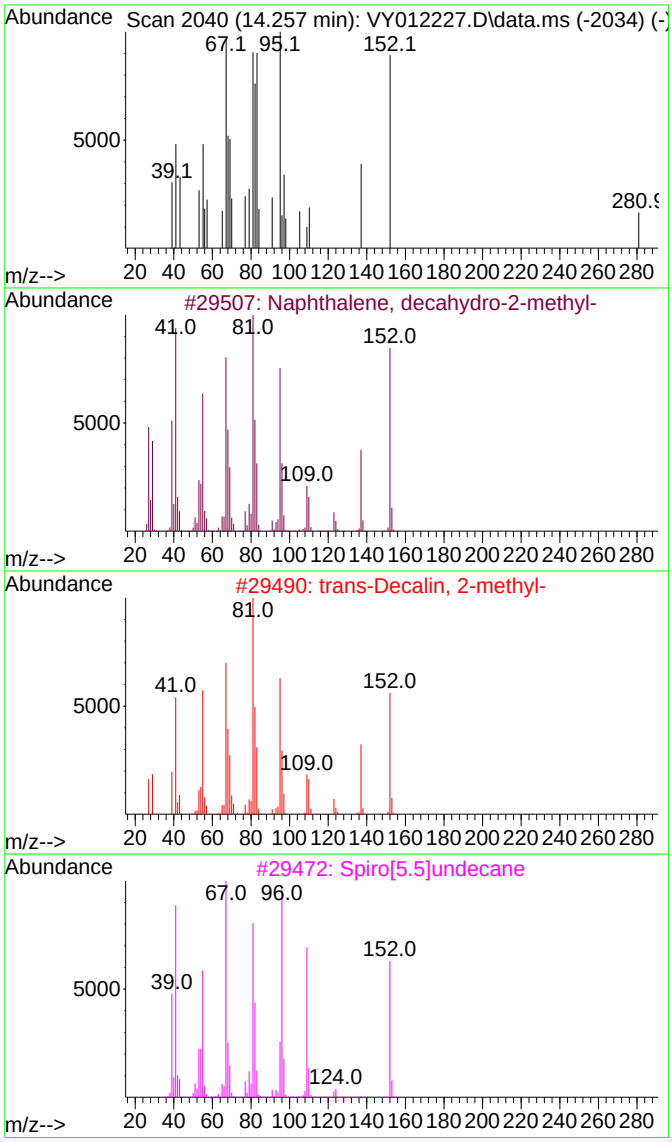
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
Quant Title : SW846 8260

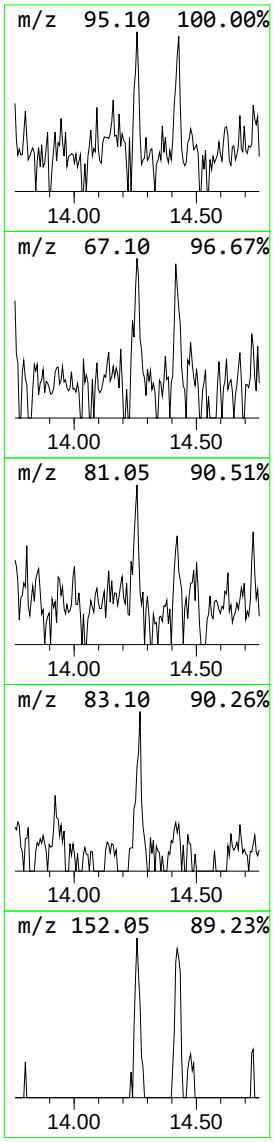
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Naphthalene, decahydro-2-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.257	11.86 ug/l	10411	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	68
2	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	62
3	Spiro[5.5]undecane	152	C11H20	000180-43-8	43
4	1-Methyl-2-methylenecyclohexane	110	C8H14	002808-75-5	38
5	6a-Methyl-hexahydropentalene-1,6...	152	C9H12O2	092485-86-4	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011723\
Data File : VY012227.D
Acq On : 17 Jan 2023 16:50
Operator : KP/MD
Sample : 01167-01
Misc : 5.10g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-3-011623

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
Quant Title : SW846 8260

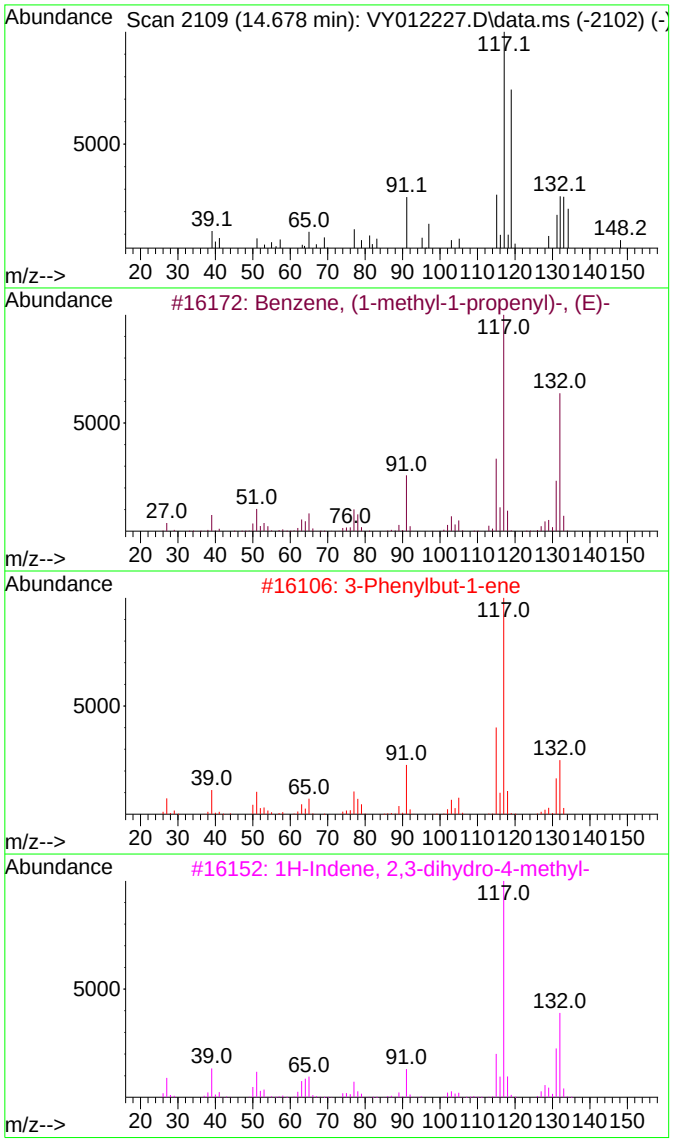
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

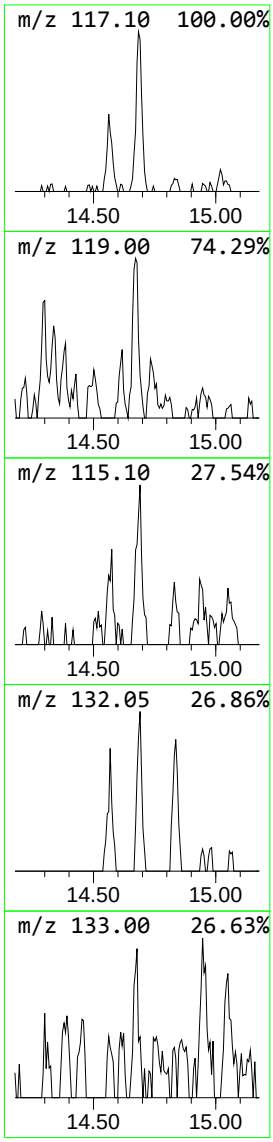
****

Peak Number 8 unknown14.678 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.678	17.04 ug/l	14952	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	49
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	49
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	46
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	46
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011723\
Data File : VY012227.D
Acq On : 17 Jan 2023 16:50
Operator : KP/MD
Sample : 01167-01
Misc : 5.10g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-3-011623

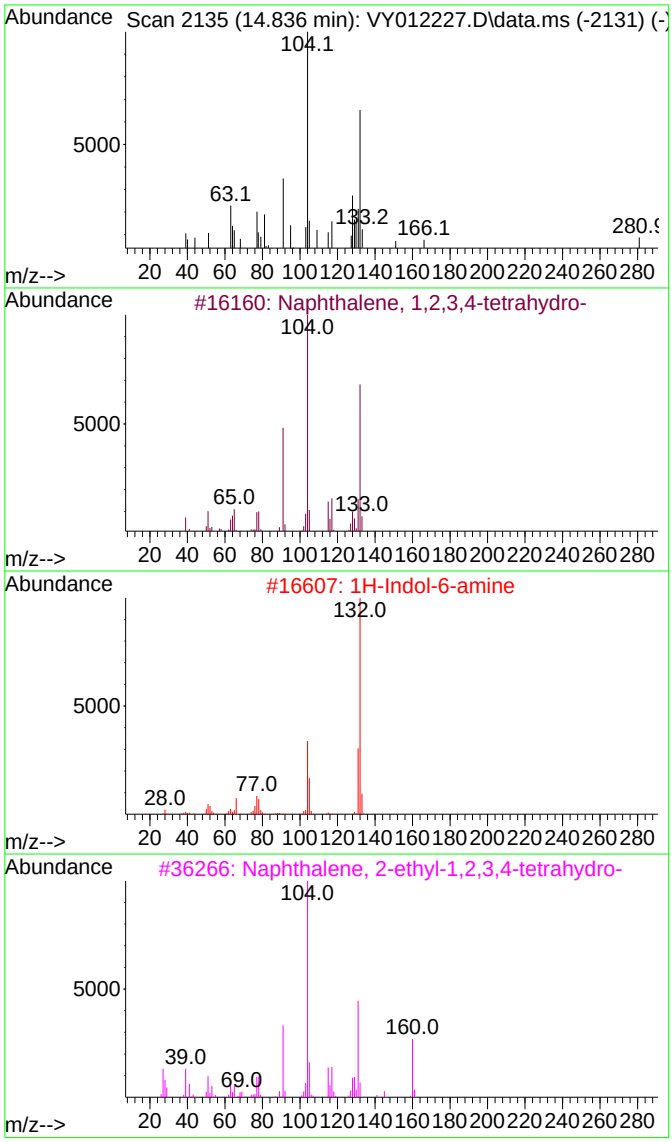
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
Quant Title : SW846 8260

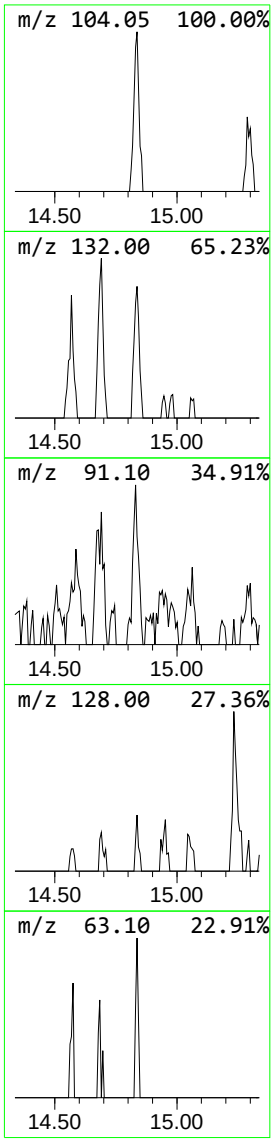
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.836	7.22 ug/l	6339	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	70
2	1H-Indol-6-amine	132	C8H8N2	005318-27-4	50
3	Naphthalene, 2-ethyl-1,2,3,4-tet...	160	C12H16	032367-54-7	43
4	2-Methylbenzyl cyanide	131	C9H9N	022364-68-7	38
5	Boranamine, 1,1-diethyl-N-phenyl-	161	C10H16BN	022093-18-1	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011723\
Data File : VY012227.D
Acq On : 17 Jan 2023 16:50
Operator : KP/MD
Sample : 01167-01
Misc : 5.10g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-3-011623

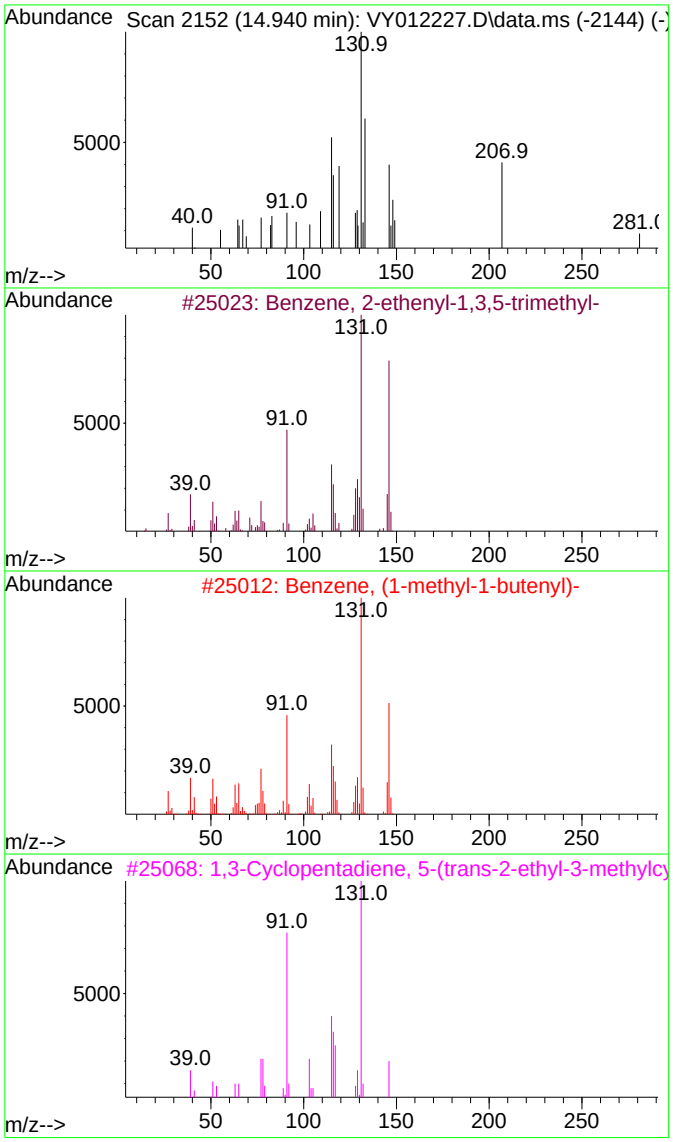
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
Quant Title : SW846 8260

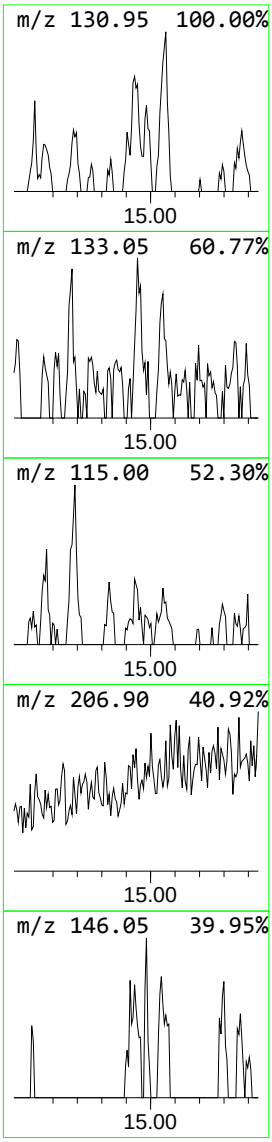
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, 2-ethenyl-1,3,5-tr... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.940	6.52 ug/l	5725	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	53
2	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	38
3	1,3-Cyclopentadiene, 5-(trans-2-...	146	C11H14	079209-36-2	38
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	38
5	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	37





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011723\
Data File : VY012227.D
Acq On : 17 Jan 2023 16:50
Operator : KP/MD
Sample : 01167-01
Misc : 5.10g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-3-011623

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
Quant Title : SW846 8260

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown12.806	12.806	6.5	ug/l	5661	4	13.428	43878	50.0
5H-Inden-5-one,...	13.751	9.8	ug/l	8565	4	13.428	43878	50.0
Benzene, 2-ethy...	13.971	6.2	ug/l	5472	4	13.428	43878	50.0
unknown14.081	14.081	7.9	ug/l	6899	4	13.428	43878	50.0
Naphthalene, de...	14.257	11.9	ug/l	10411	4	13.428	43878	50.0
unknown14.678	14.678	17.0	ug/l	14952	4	13.428	43878	50.0
Naphthalene, 1,...	14.836	7.2	ug/l	6339	4	13.428	43878	50.0
Benzene, 2-ethe...	14.940	6.5	ug/l	5725	4	13.428	43878	50.0