LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062218\
Data File : VW003419.D
Acq On : 22 Jun 2018 11:46
Operator : SY/AP
Sample : J3569-22RE
Misc : 6.75G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXT7RE

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % 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_W\METHOD\SOM2WLM062018S.M
Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.740	19	25	26	rBV	9076	13789	0.12%	0.029%
2	1.795	26	34	54	rVV	5905394	11778336	100.00%	24.511%
3	1.941	54	58	71	rVB4	10570	31294	0.27%	0.065%
4	2.160	85	94	108	rBV	610788	3393111	28.81%	7.061%
5	2.605	162	167	181	rVB2	39128	136153	1.16%	0.283%
6	5.940	712	714	717	rVB4	1577	1648	0.01%	0.003%
7	6.001	720	724	725	rVB4	1480	1578	0.01%	0.003%
8	6.440	793	796	798	rVV3	958	1130	0.01%	0.002%
9	7.172	912	916	917	rBV3	978	1174	0.01%	0.002%
10	7.226	917	925	930	rBV6	2104	7735	0.07%	0.016%
11	7.635	977	992	1004	rBV	44214	230671	1.96%	0.480%
12	8.232	1077	1090	1129	rBV2	145526	685372	5.82%	1.426%
13	8.580	1135	1147	1154	rBV6	11336	49707	0.42%	0.103%
14	8.824	1176	1187	1205	rVV	170356	542498	4.61%	1.129%
15	9.055	1217	1225	1227	rBV5	4795	11781	0.10%	0.025%
16	9.165	1230	1243	1250	rVV6	14095	73055	0.62%	0.152%
17	9.263	1251	1259	1281	rVB	91871	331115	2.81%	0.689%
18	9.543	1303	1305	1307	rVB3	1349	1276	0.01%	0.003%
19	9.580	1307	1311	1312	rBV3	855	1373	0.01%	0.003%
20	9.671	1312	1326	1332	rBV2	13726	50404	0.43%	0.105%
21	9.939	1366	1370	1374	rVB5	2208	3158	0.03%	0.007%
22	10.037	1376	1386	1401	rBV2	32166	108712	0.92%	0.226%
23	10.183	1407	1410	1415	rVB5	1176	2109	0.02%	0.004%
24	10.238	1415	1419	1420	rBV3	794	1099	0.01%	0.002%
25	10.317	1422	1432	1437	rBV	198682	463961	3.94%	0.966%
26	10.378	1437	1442	1457	rVB	389672	943133	8.01%	1.963%
27	10.494	1457	1461	1465	rVB2	11179	16895	0.14%	0.035%
28	10.592	1465	1477	1487	rVB8	28035	123801	1.05%	0.258%
29	10.726	1488	1499	1512	rVB6	14545	60061	0.51%	0.125%
30	10.848	1512	1519	1525	rBV4	10322	26395	0.22%	0.055%
31	10.903	1525	1528	1530	rBV4	2007	2892	0.02%	0.006%
32	10.958	1530	1537	1539	rBV2	36954	76047	0.65%	0.158%
33	11.061	1550	1554	1560	rVB	84909	146345	1.24%	0.305%
34	11.128	1560	1565	1568	rBV	13629	20830	0.18%	0.043%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062218\
Data File : VW003419.D
Acq On : 22 Jun 2018 11:46
Operator : SY/AP
Sample : J3569-22RE
Misc : 6.75G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXT7RE

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % 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_W\METHOD\SOM2WLM062018S.M
Title : VOC Analysis

35	11.177	1568	1573	1577	rBV4	87647	195274	1.66%	0.406%
36	11.287	1582	1591	1597	rVB4	186061	529749	4.50%	1.102%
37	11.409	1602	1611	1619	rVB	103372	240932	2.05%	0.501%
38	11.518	1622	1629	1637	rBV	163959	313189	2.66%	0.652%
39	11.634	1641	1648	1655	rVV	199035	470269	3.99%	0.979%
40	11.701	1655	1659	1668	rVB4	76952	208339	1.77%	0.434%
41	11.841	1677	1682	1684	rBV3	16093	24693	0.21%	0.051%
42	11.878	1684	1688	1696	rVB	31507	54500	0.46%	0.113%
43	11.951	1696	1700	1704	rBV7	3273	6036	0.05%	0.013%
44	12.018	1708	1711	1719	rVB6	5970	15798	0.13%	0.033%
45	12.122	1723	1728	1733	rBV6	3983	10038	0.09%	0.021%
46	12.195	1735	1740	1742	rBV4	5705	8130	0.07%	0.017%
47	12.226	1744	1745	1751	rVB5	2891	3341	0.03%	0.007%
48	12.293	1751	1756	1757	rBV5	4055	4268	0.04%	0.009%
49	12.329	1757	1762	1767	rBV3	8907	15078	0.13%	0.031%
50	12.372	1767	1769	1770	rBV2	1707	1374	0.01%	0.003%
51	12.415	1771	1776	1778	rBV2	6565	12831	0.11%	0.027%
52	12.476	1783	1786	1789	rVV2	9323	13516	0.11%	0.028%
53	12.524	1789	1794	1799	rVB4	16661	29373	0.25%	0.061%
54	12.573	1799	1802	1803	rBV2	3285	3332	0.03%	0.007%
55	12.616	1803	1809	1817	rVB	206041	342276	2.91%	0.712%
56	12.719	1817	1826	1834	rVB4	30911	76510	0.65%	0.159%
57	12.780	1834	1836	1839	rBV3	1303	1314	0.01%	0.003%
58	12.835	1840	1845	1849	rBV7	5756	9238	0.08%	0.019%
59	12.908	1855	1857	1858	rBV2	2237	2281	0.02%	0.005%
60	12.951	1858	1864	1874	rVB3	28506	62931	0.53%	0.131%
61	13.036	1874	1878	1888	rBV9	8141	19455	0.17%	0.040%
62	13.134	1889	1894	1898	rBV4	6174	11206	0.10%	0.023%
63	13.171	1898	1900	1903	rVV4	6828	9339	0.08%	0.019%
64	13.213	1903	1907	1911	rVB3	15048	22547	0.19%	0.047%
65	13.262	1911	1915	1919	rBV	8014	13080	0.11%	0.027%
66	13.390	1929	1936	1939	rBV4	11065	27380	0.23%	0.057%
67	13.457	1942	1947	1951	rVV2	31973	62864	0.53%	0.131%
68	13.506	1951	1955	1960	rVV	46752	83155	0.71%	0.173%
69	13.573	1960	1966	1979	rVB2	103402	283465	2.41%	0.590%
70	13.762	1985	1997	2000	rBV	625756	1412612	11.99%	2.940%
71	13.805	2000	2004	2013	rVB2	1196406	2317911	19.68%	4.824%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062218\
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Acq On : 22 Jun 2018 11:46
Operator : SY/AP
Sample : J3569-22RE
Misc : 6.75G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXT7RE

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % 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_W\METHOD\SOM2WLM062018S.M
Title : VOC Analysis

72	13.963	2024	2030	2034	rBV	248046	398332	3.38%	0.829%
73	14.024	2034	2040	2042	rBV	712849	1191084	10.11%	2.479%
74	14.055	2042	2045	2049	rVV	913713	1442818	12.25%	3.003%
75	14.109	2049	2054	2061	rVB	3267753	5136800	43.61%	10.690%
76	14.213	2063	2071	2076	rBV3	453451	809736	6.87%	1.685%
77	14.268	2076	2080	2081	rBV	82830	110254	0.94%	0.229%
78	14.292	2082	2084	2088	rVB3	74142	93851	0.80%	0.195%
79	14.347	2088	2093	2098	rVB	402232	639883	5.43%	1.332%
80	14.432	2098	2107	2110	rBV	1450554	2512563	21.33%	5.229%
81	14.469	2110	2113	2117	rVV	1902939	2764866	23.47%	5.754%
82	14.512	2117	2120	2124	rVV	653908	1035033	8.79%	2.154%
83	14.554	2124	2127	2130	rVB	367831	471046	4.00%	0.980%
84	14.591	2130	2133	2135	rBV2	50252	64777	0.55%	0.135%
85	14.652	2140	2143	2147	rVB	151820	203992	1.73%	0.425%
86	14.701	2147	2151	2155	rBV2	223465	401943	3.41%	0.836%
87	14.743	2155	2158	2162	rVB	342013	482783	4.10%	1.005%
88	14.804	2162	2168	2175	rBV2	969281	1908446	16.20%	3.972%
89	14.871	2175	2179	2184	rVB	406032	577645	4.90%	1.202%
90	14.999	2195	2200	2204	rBV	50954	92815	0.79%	0.193%
91	15.085	2208	2214	2222	rVV	369721	825497	7.01%	1.718%
92	15.188	2225	2231	2239	rVB	150062	315970	2.68%	0.658%
93	15.359	2251	2259	2260	rBV5	25862	52814	0.45%	0.110%
94	15.426	2268	2270	2274	rBV5	5158	8156	0.07%	0.017%
95	15.487	2274	2280	2283	rBV4	31022	66002	0.56%	0.137%
96	15.676	2303	2311	2319	rBV9	18595	59896	0.51%	0.125%
97	15.749	2320	2323	2327	rVB6	9237	14140	0.12%	0.029%
98	15.969	2354	2359	2365	rBV3	11074	22477	0.19%	0.047%
99	16.042	2366	2371	2379	rVB2	40190	74084	0.63%	0.154%
100	16.469	2437	2441	2447	rVB8	9222	18409	0.16%	0.038%

Sum of corrected areas: 48052374

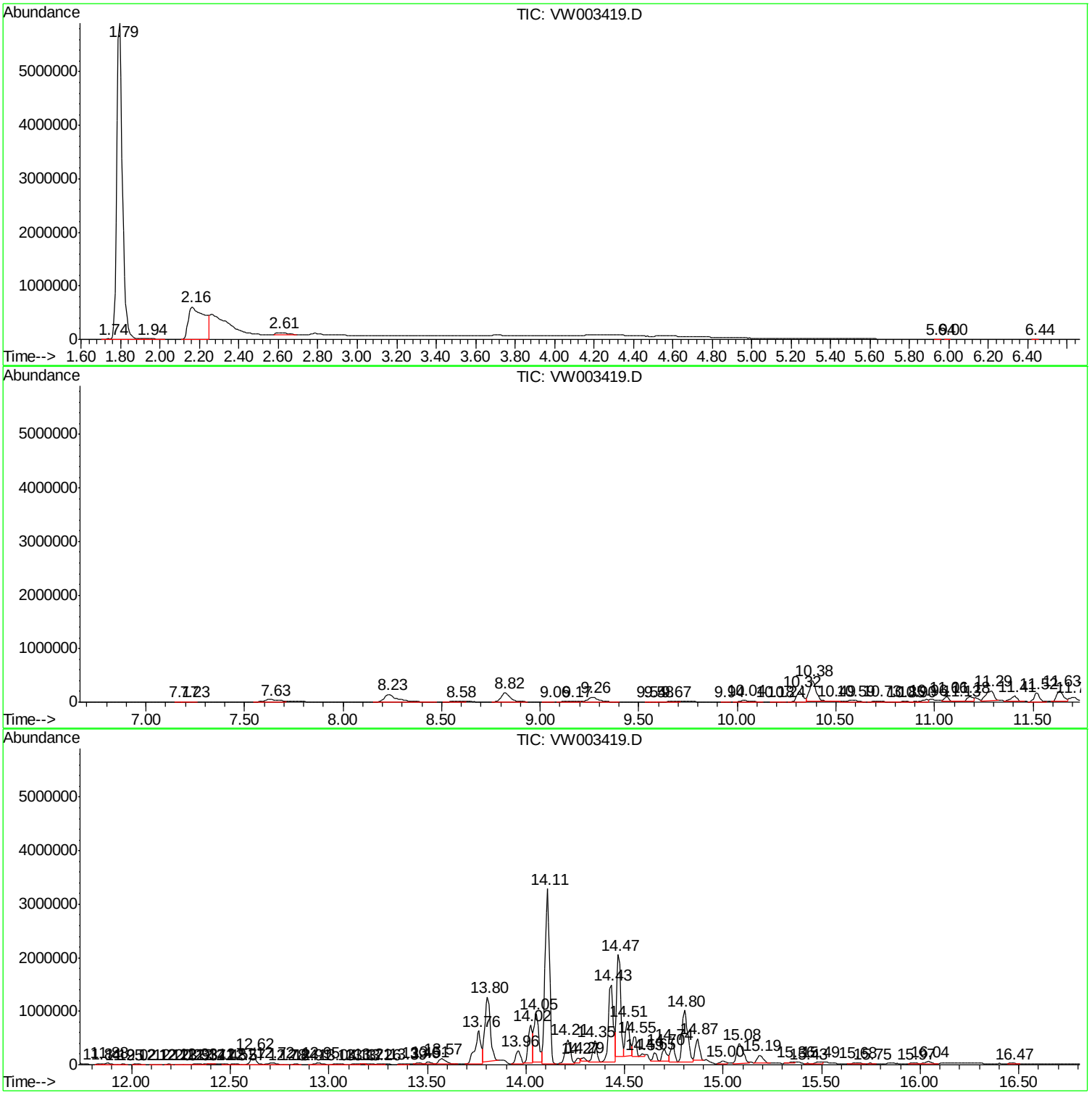
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062218\
Data File : VW003419.D
Acq On : 22 Jun 2018 11:46
Operator : SY/AP
Sample : J3569-22RE
Misc : 6.75G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXT7RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062218\
Data File : VW003419.D
Acq On : 22 Jun 2018 11:46
Operator : SY/AP
Sample : J3569-22RE
Misc : 6.75G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXT7RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

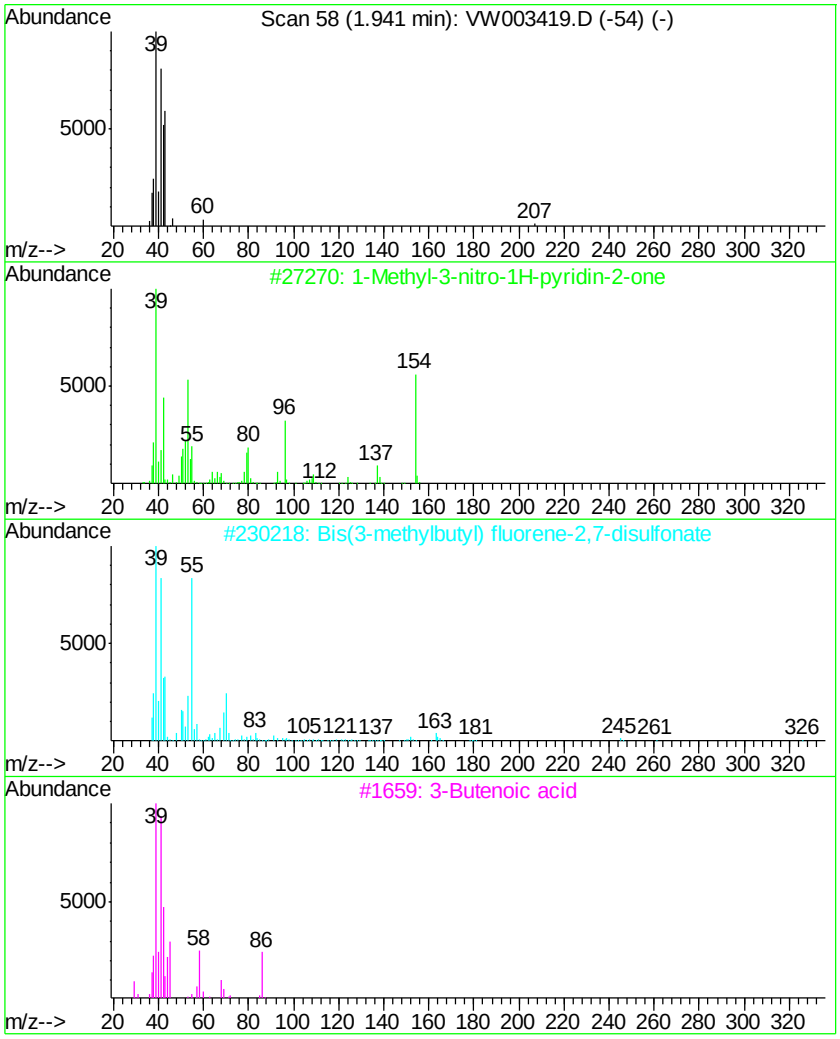
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

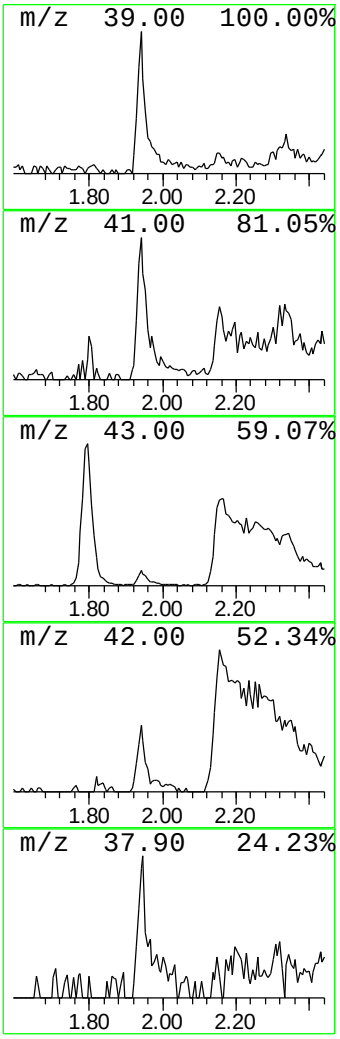
****

Peak Number 2 1-Methyl-3-nitro-1H-pyridin... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.94	1.44 ug/L	31294	1,4-Difluorobenzene	8.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyl-3-nitro-1H-pyridin-2-one	154	C6H6N2O3	032896-91-6	83
2	Bis(3-methylbutyl) fluorene-2,7-...	466	C23H30O6S2	253664-95-8	78
3	3-Butenoic acid	86	C4H6O2	000625-38-7	64
4	Cyclopropanecarboxylic acid	86	C4H6O2	001759-53-1	45
5	2-Butenal	70	C4H6O	004170-30-3	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062218\
Data File : VW003419.D
Acq On : 22 Jun 2018 11:46
Operator : SY/AP
Sample : J3569-22RE
Misc : 6.75G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXT7RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

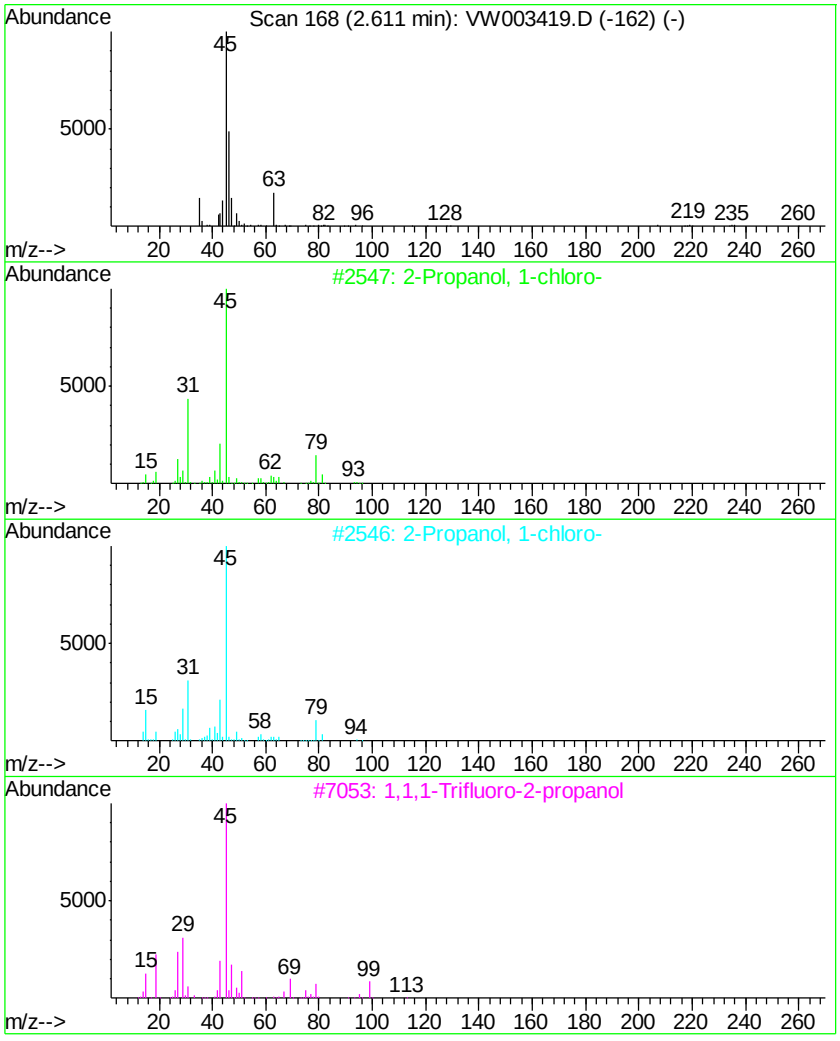
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

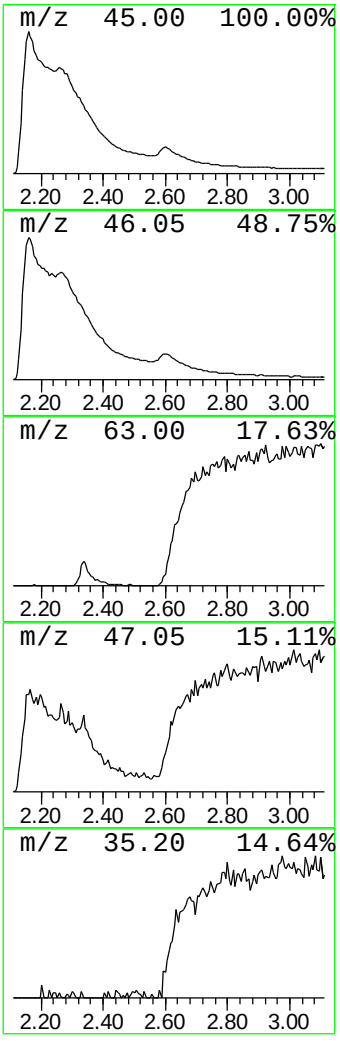
****

Peak Number 3 2-Propanol, 1-chloro- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.61	6.27 ug/L	136153	1,4-Difluorobenzene	8.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-chloro-	94	C3H7ClO	000127-00-4	9
2	2-Propanol, 1-chloro-	94	C3H7ClO	000127-00-4	9
3	1,1,1-Trifluoro-2-propanol	114	C3H5F3O	000374-01-6	9
4	Methoxyacetyl chloride	108	C3H5ClO2	038870-89-2	9
5	Ethanol	46	C2H6O	000064-17-5	7





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062218\
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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXT7RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

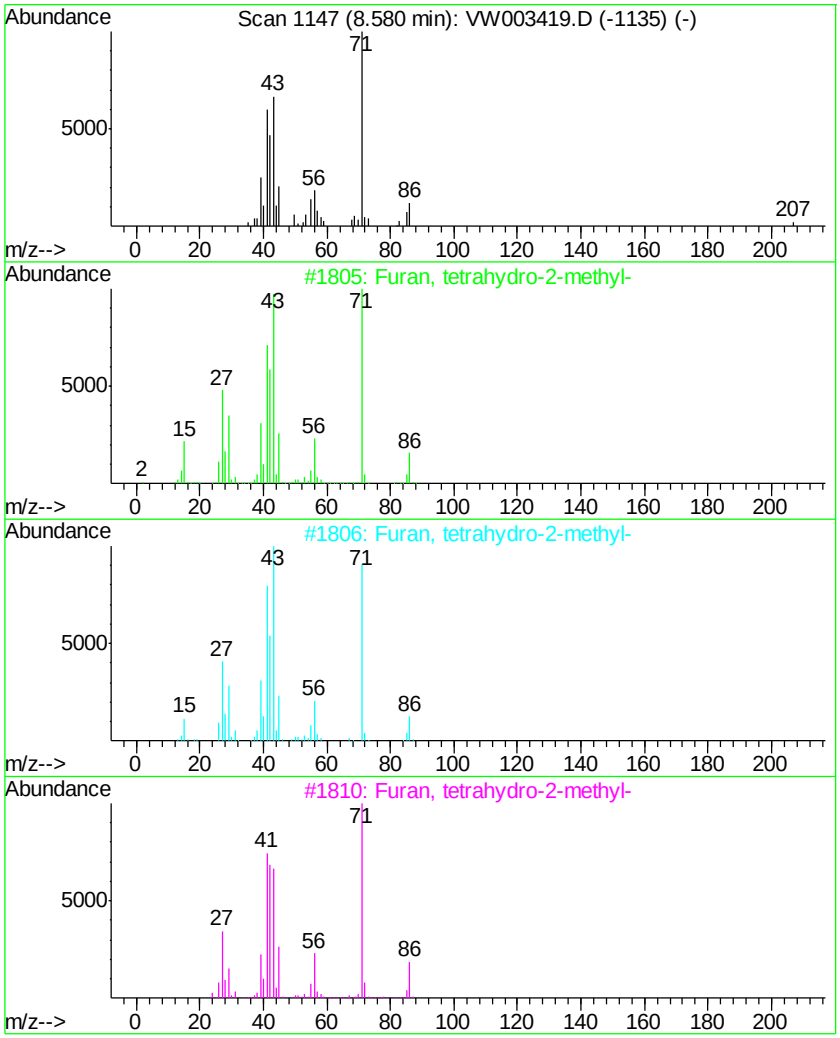
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

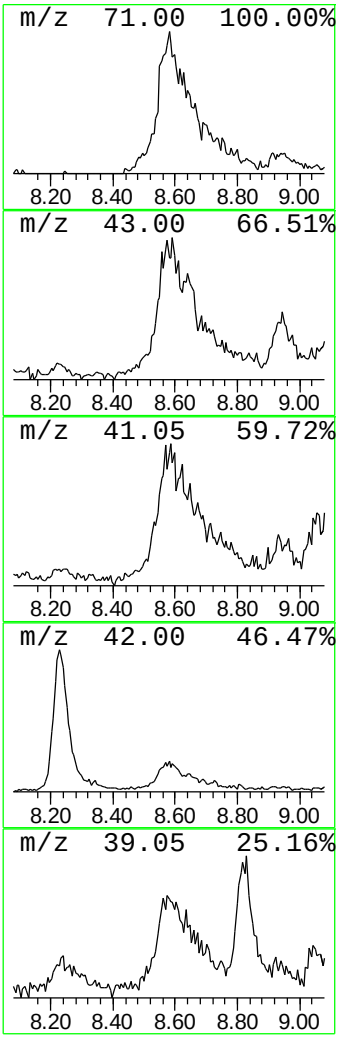
****

Peak Number 4 Furan, tetrahydro-2-methyl- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.58	2.29 ug/L	49707	1,4-Difluorobenzene	8.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	87
2	Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	58
3	Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	58
4	2-Butene, 1-methoxy-, (Z)-	86	C5H10O	010034-16-9	50
5	Heptafluorobutyric acid, 2-tetra...	298	C9H9F7O3	1000216-78-5	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062218\
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Operator : SY/AP
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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXT7RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

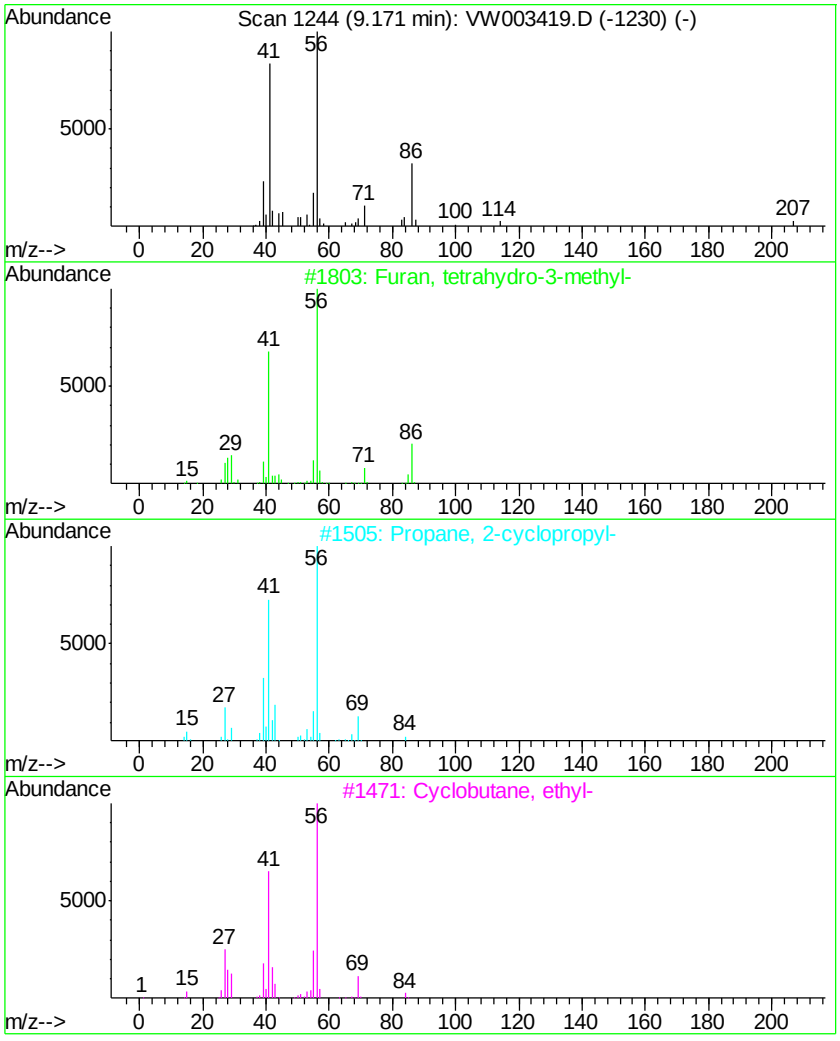
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

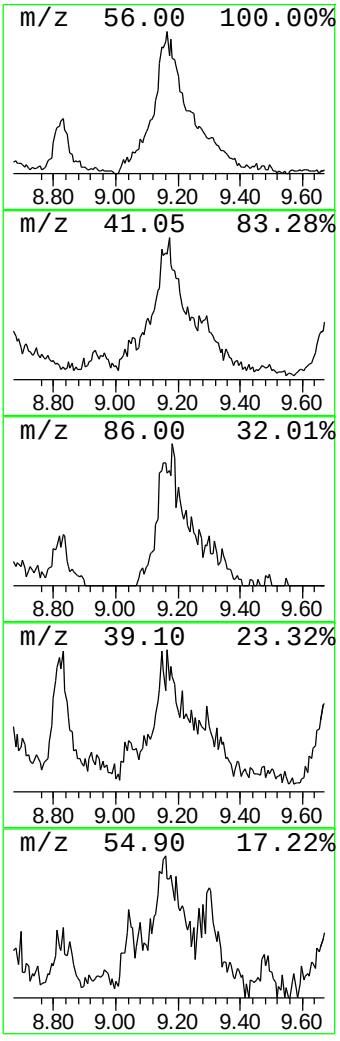
****

Peak Number 5 Furan, tetrahydro-3-methyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.17	3.37 ug/L	73055	1,4-Difluorobenzene	8.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, tetrahydro-3-methyl-	86	C5H10O	013423-15-9	64
2	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	50
3	Cyclobutane, ethyl-	84	C6H12	004806-61-5	47
4	Cyclobutane	56	C4H8	000287-23-0	40
5	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062218\
Data File : VW003419.D
Acq On : 22 Jun 2018 11:46
Operator : SY/AP
Sample : J3569-22RE
Misc : 6.75G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXT7RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

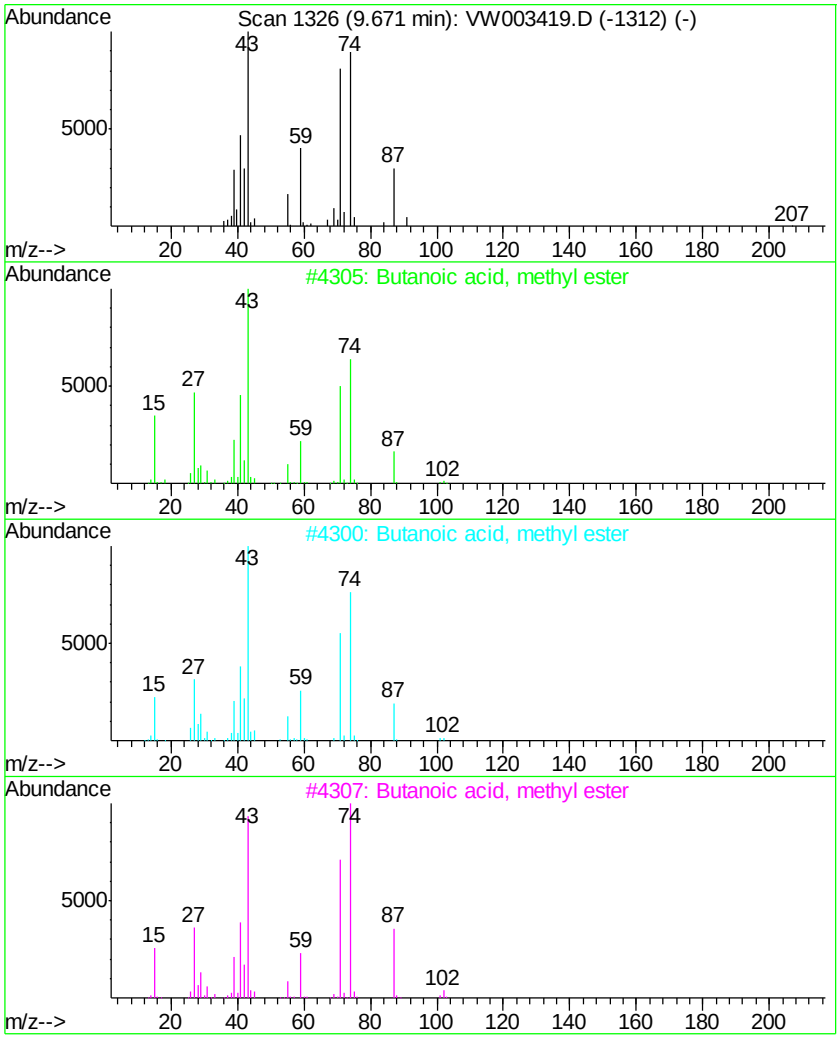
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

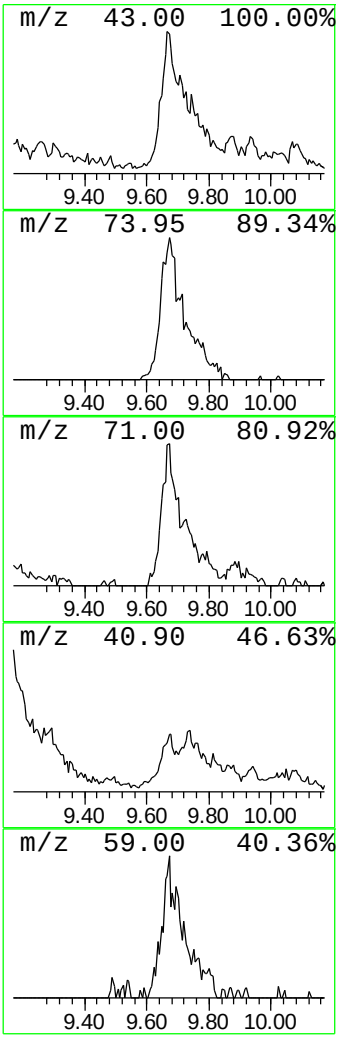
****

Peak Number 6 Butanoic acid, methyl ester Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.67	2.32 ug/L	50404	1,4-Difluorobenzene	8.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	64
2	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	56
3	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	39
4	Butane, 2,2'-[methylenebis(oxy)]...	188	C11H24O2	054699-28-4	32
5	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	23





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062218\
Data File : VW003419.D
Acq On : 22 Jun 2018 11:46
Operator : SY/AP
Sample : J3569-22RE
Misc : 6.75G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXT7RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

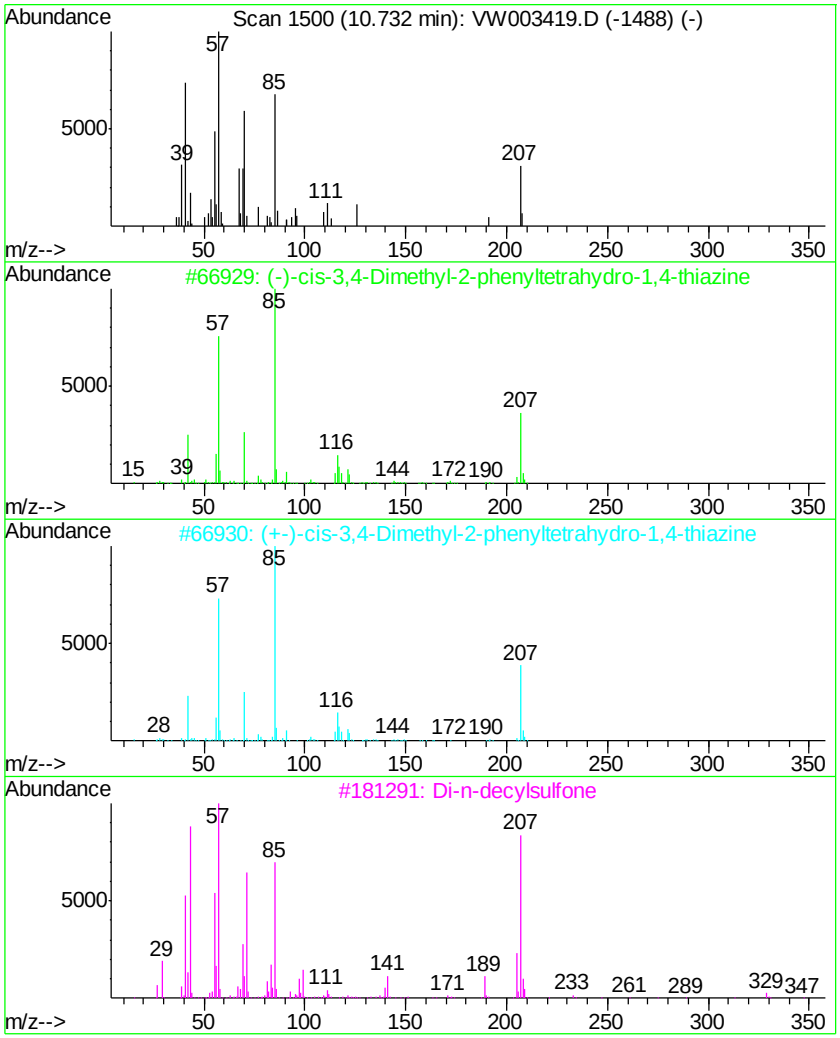
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

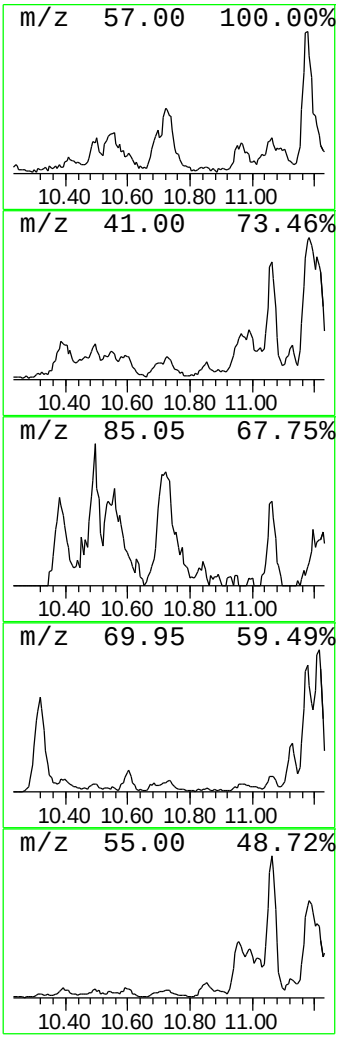
****

Peak Number 8 unknown-01 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.73	3.19 ug/L	60061	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(-)-cis-3,4-Dimethyl-2-phenyltet...	207	C12H17NS	1000244-63-5	47
2	(+-)-cis-3,4-Dimethyl-2-phenylte...	207	C12H17NS	092772-63-9	47
3	Di-n-decylsulfone	346	C20H42O2S	111530-37-1	43
4	(+)-trans-3,4-Dimethyl-2-phenylt...	207	C12H17NS	1000244-64-9	43
5	10-Methyldodecan-4-olide	212	C13H24O2	1000370-40-6	35





Library Search Compound Report

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Data File : VW003419.D
Acq On : 22 Jun 2018 11:46
Operator : SY/AP
Sample : J3569-22RE
Misc : 6.75G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXT7RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

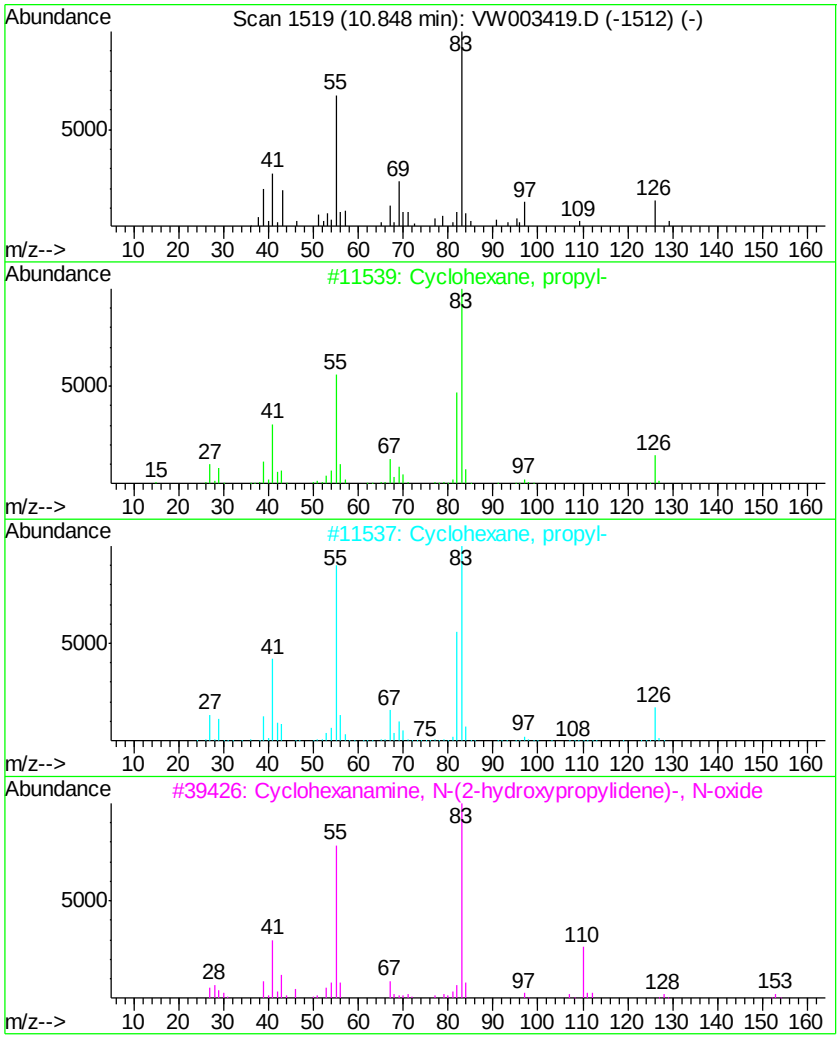
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

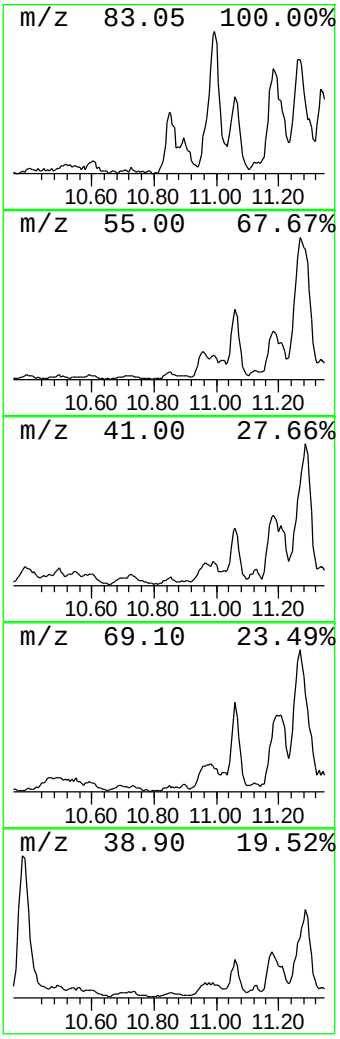
****

Peak Number 9 (DEL) Alkane: Cyclic10.85 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	1.40 ug/L	26395	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	72
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	72
3	Cyclohexanamine, N-(2-hydroxypro...	171	C9H17NO2	160423-87-0	64
4	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	59
5	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	59





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Data File : VW003419.D
Acq On : 22 Jun 2018 11:46
Operator : SY/AP
Sample : J3569-22RE
Misc : 6.75G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXT7RE

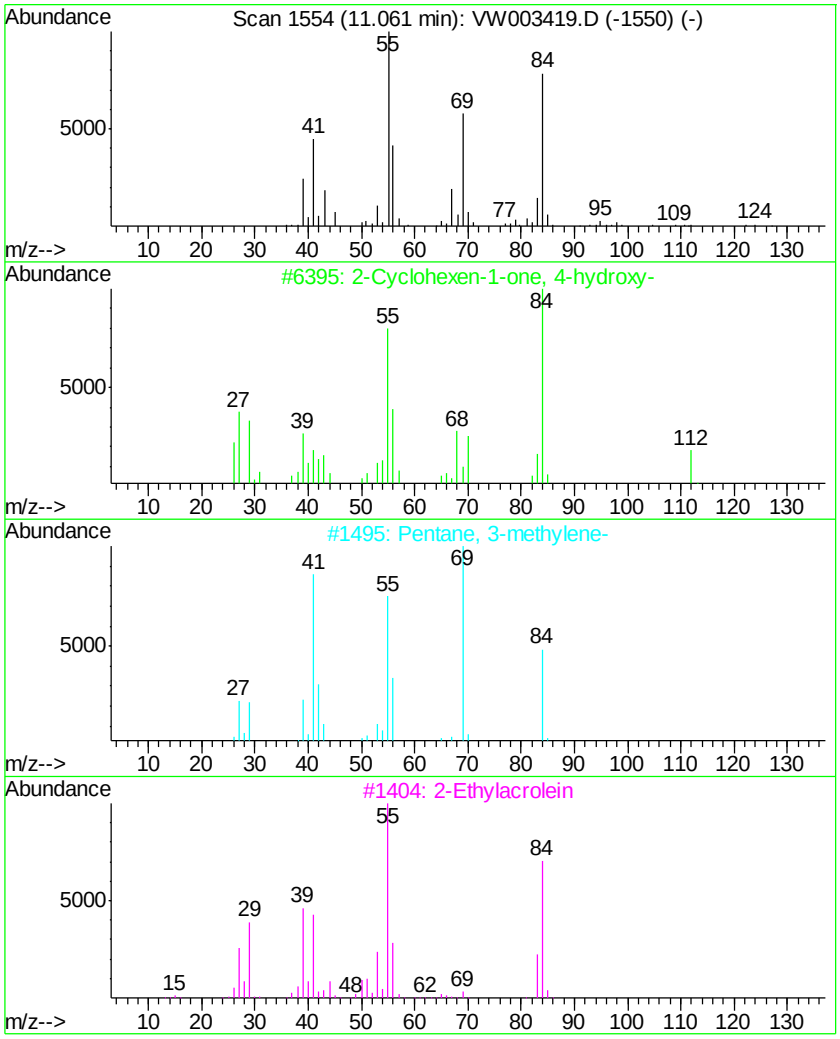
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

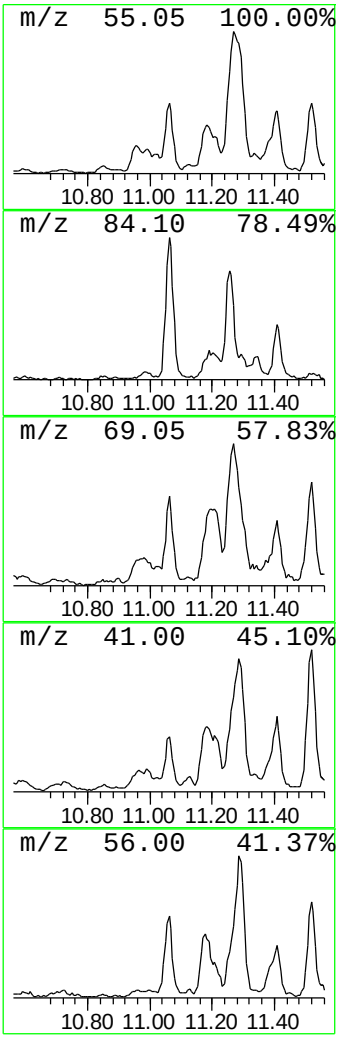
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 2-Cyclohexen-1-one, 4-hydroxy- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.06	7.78 ug/L	146345	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Cyclohexen-1-one, 4-hydroxy-	112	C6H8O2	030182-12-8	72
2	Pentane, 3-methylene-	84	C6H12	000760-21-4	59
3	2-Ethylacrolein	84	C5H8O	000922-63-4	53
4	2H-Pyran, 3,4-dihydro-	84	C5H8O	000110-87-2	53
5	2-Butenal, 2-methyl-	84	C5H8O	001115-11-3	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062218\
Data File : VW003419.D
Acq On : 22 Jun 2018 11:46
Operator : SY/AP
Sample : J3569-22RE
Misc : 6.75G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXT7RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

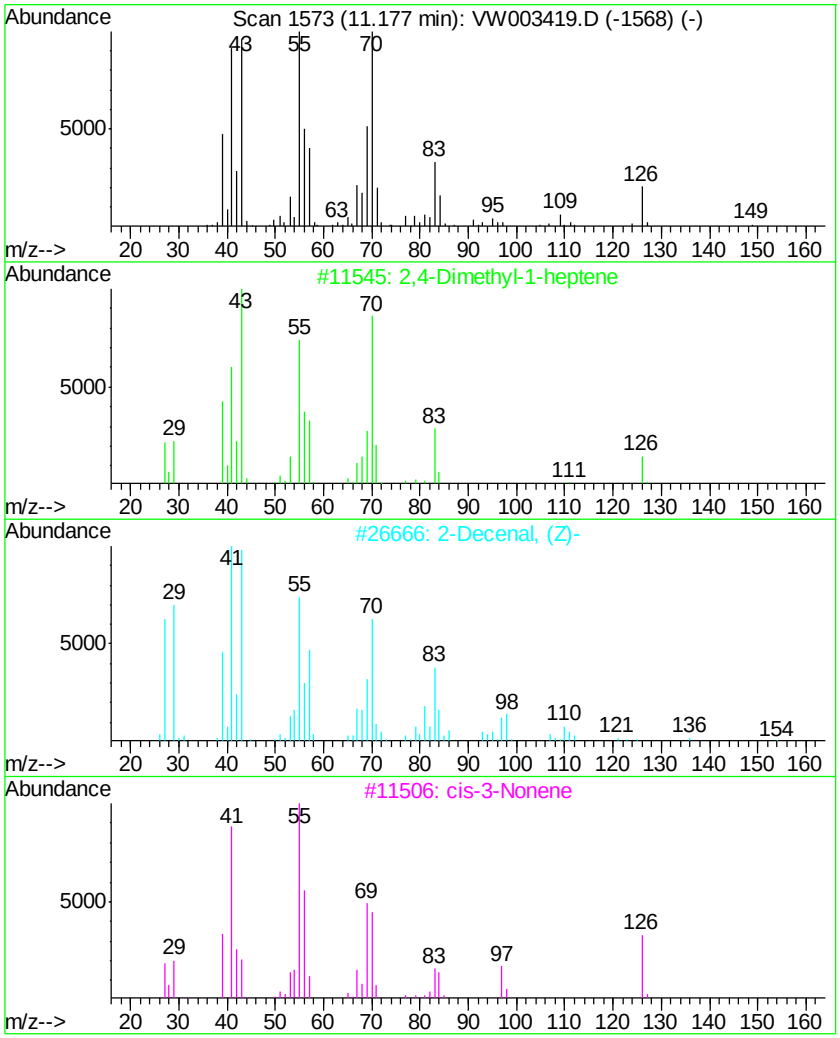
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

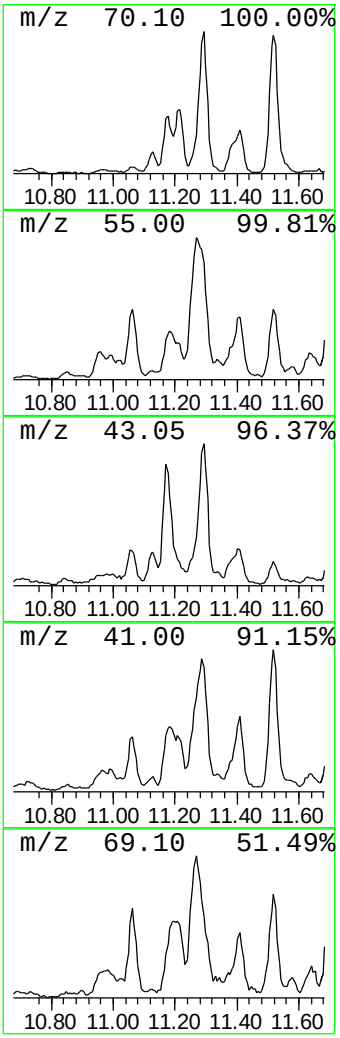
****

Peak Number 11 (DEL) Alkane: Cyclic11.18 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.18	10.38 ug/L	195274	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethyl-1-heptene	126	C9H18	019549-87-2	97
2	2-Decenal, (Z)-	154	C10H18O	002497-25-8	72
3	cis-3-Nonene	126	C9H18	020237-46-1	53
4	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	46
5	4-Pentenal	84	C5H8O	002100-17-6	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062218\
Data File : VW003419.D
Acq On : 22 Jun 2018 11:46
Operator : SY/AP
Sample : J3569-22RE
Misc : 6.75G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXT7RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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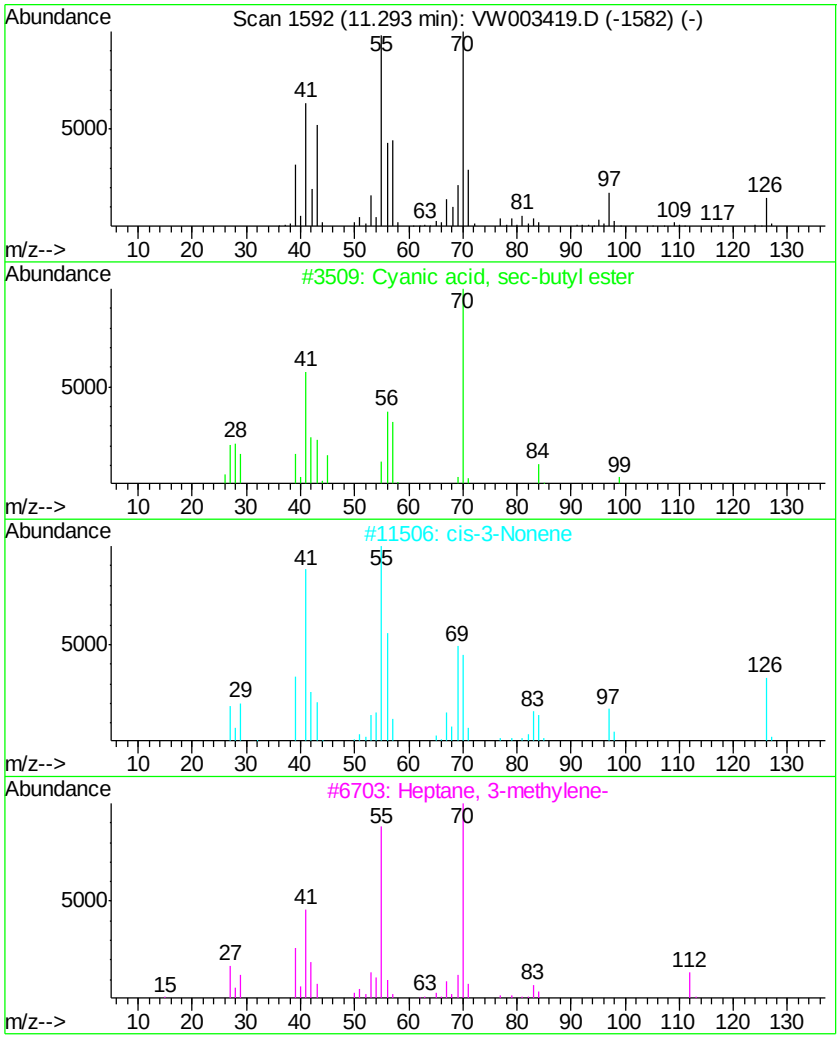
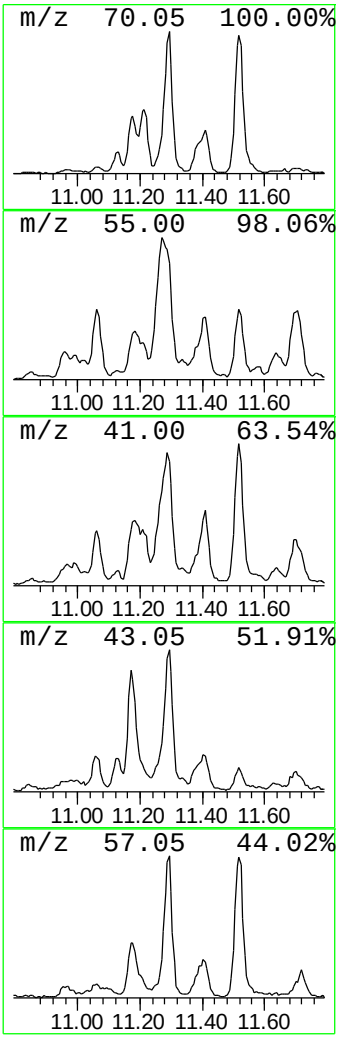
Peak Number 12 unknown-02 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	28.16 ug/L	529749	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyanic acid, sec-butyl ester	99	C5H9NO	001873-13-8	47
2	cis-3-Nonene	126	C9H18	020237-46-1	47
3	Heptane, 3-methylene-	112	C8H16	001632-16-2	47
4	1-Decene, 8-methyl-	154	C11H22	061142-79-8	45
5	2-Butene, 2-methyl-	70	C5H10	000513-35-9	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062218\
Data File : VW003419.D
Acq On : 22 Jun 2018 11:46
Operator : SY/AP
Sample : J3569-22RE
Misc : 6.75G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXT7RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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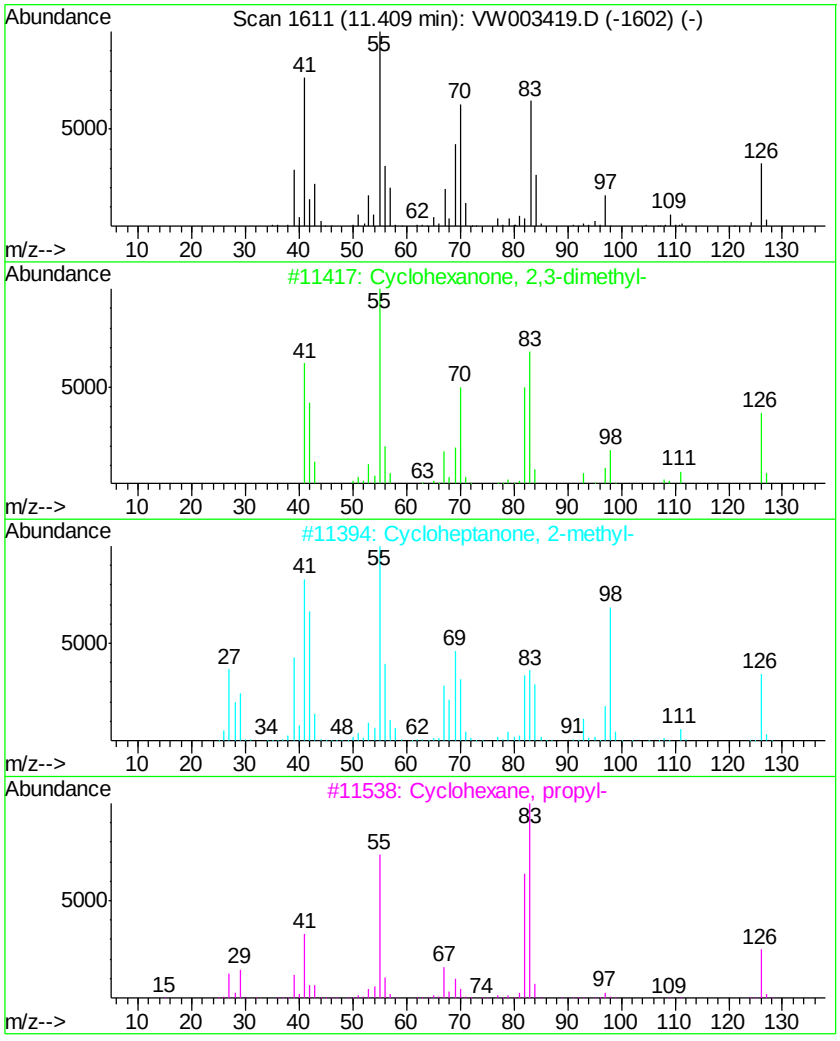
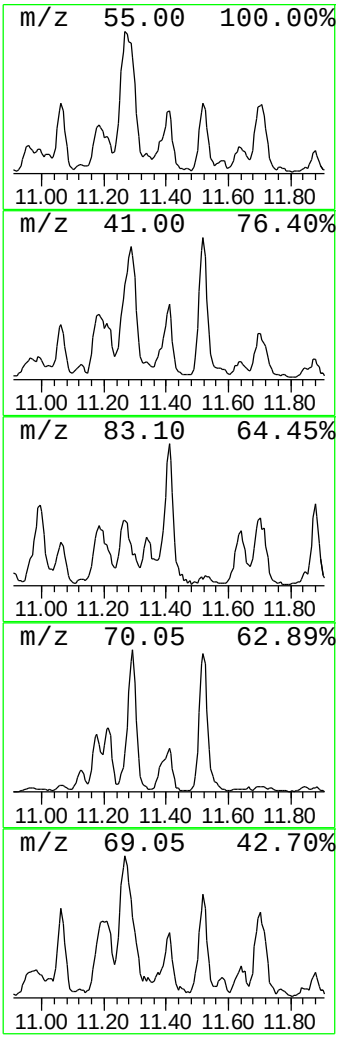
Peak Number 13 Cyclohexanone, 2,3-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.41	12.81 ug/L	240932	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 2,3-dimethyl-	126	C8H14O	013395-76-1	78
2	Cycloheptanone, 2-methyl-	126	C8H14O	000932-56-9	64
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	50
4	4-Nonene	126	C9H18	002198-23-4	50
5	2,3-Dimethyl-3-heptene	126	C9H18	1000113-49-3	47





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Data File : VW003419.D
Acq On : 22 Jun 2018 11:46
Operator : SY/AP
Sample : J3569-22RE
Misc : 6.75G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXT7RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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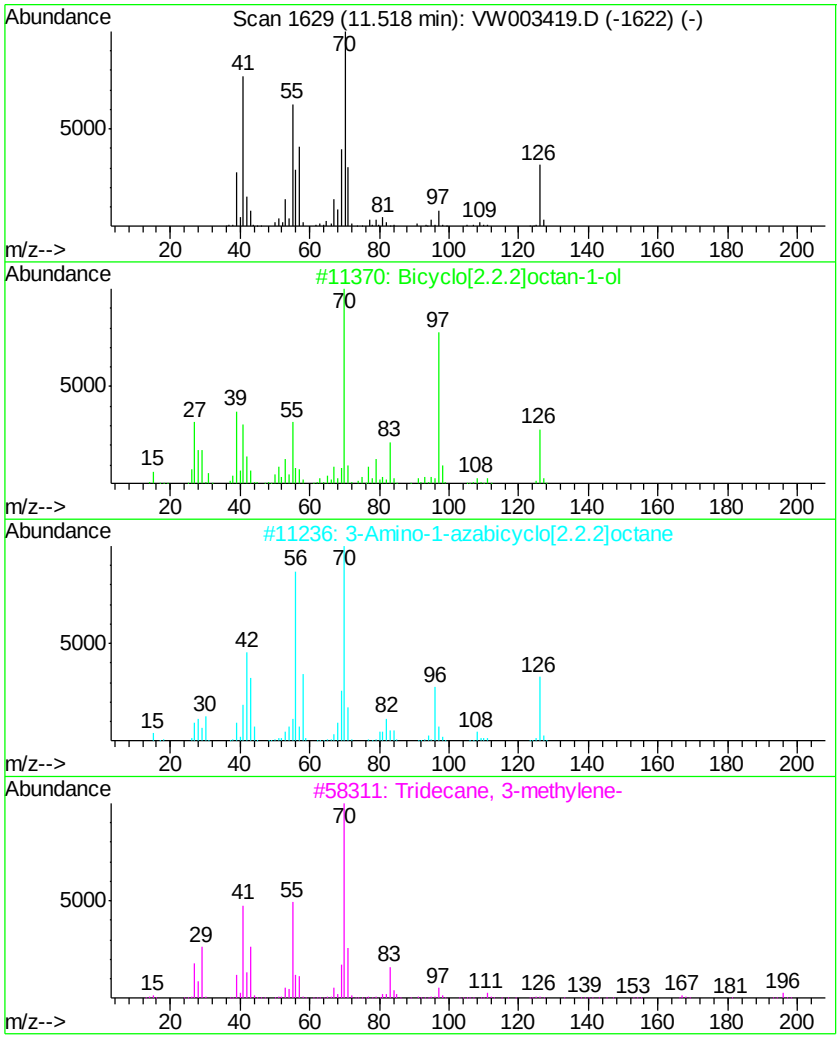
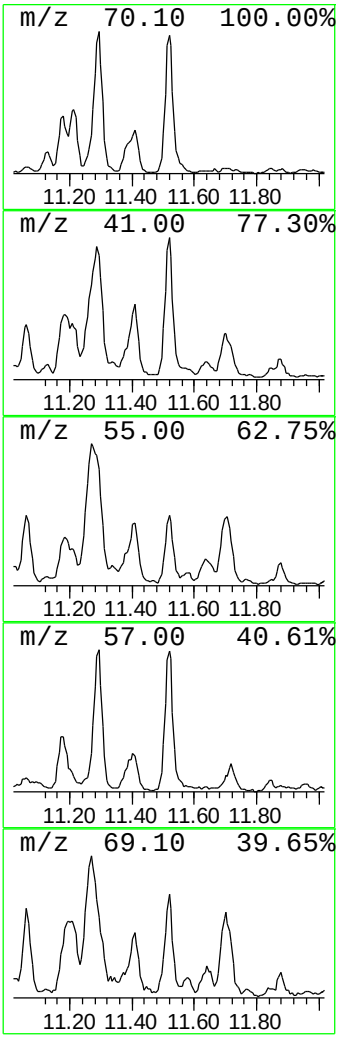
Peak Number 14 unknown-03 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.52	16.65 ug/L	313189	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.2]octan-1-ol	126	C8H14O	020534-58-1	47
2	3-Amino-1-azabicyclo[2.2.2]octane	126	C7H14N2	006238-14-8	47
3	Tridecane, 3-methylene-	196	C14H28	019780-34-8	45
4	Cyclopentane, 1,1,3,3-tetramethyl-	126	C9H18	050876-33-0	43
5	Cyclopentane, 1,1,3,3-tetramethyl-	126	C9H18	050876-33-0	42





Library Search Compound Report

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Data File : VW003419.D
Acq On : 22 Jun 2018 11:46
Operator : SY/AP
Sample : J3569-22RE
Misc : 6.75G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXT7RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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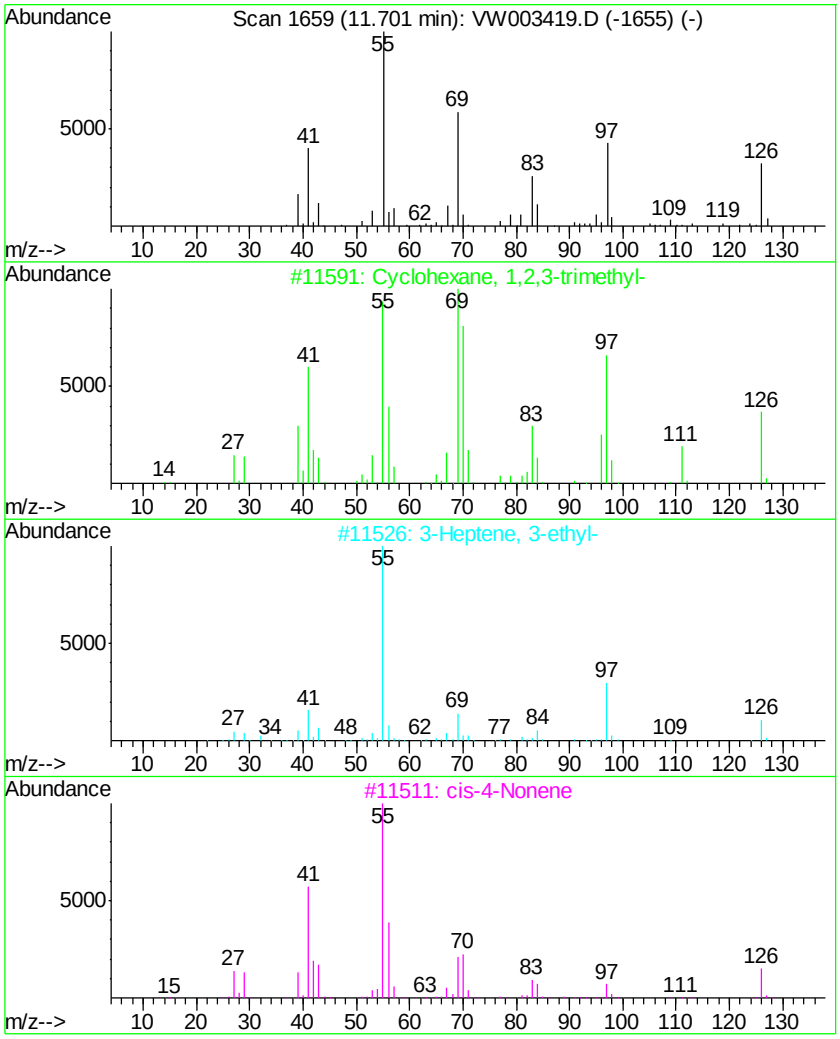
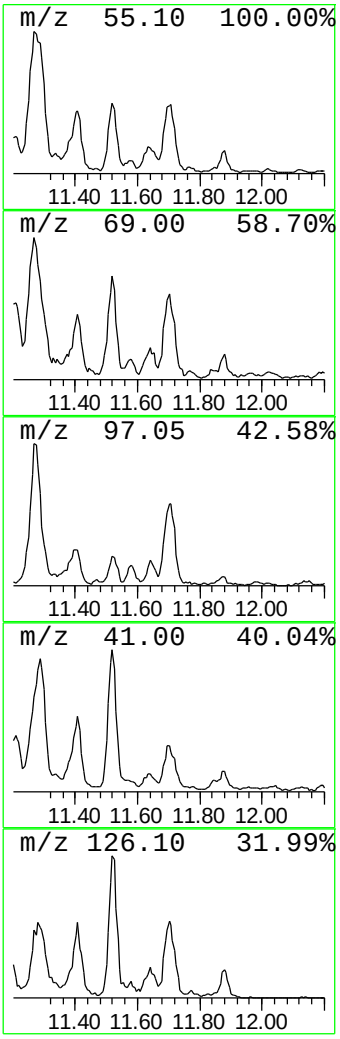
Peak Number 15 (DEL) Alkane: Cyclic11.70 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	11.08 ug/L	208339	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	72
2	3-Heptene, 3-ethyl-	126	C9H18	074764-46-8	64
3	cis-4-Nonene	126	C9H18	010405-84-2	50
4	2-Hexenal, 2-ethyl-	126	C8H14O	000645-62-5	50
5	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062218\
Data File : VW003419.D
Acq On : 22 Jun 2018 11:46
Operator : SY/AP
Sample : J3569-22RE
Misc : 6.75G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXT7RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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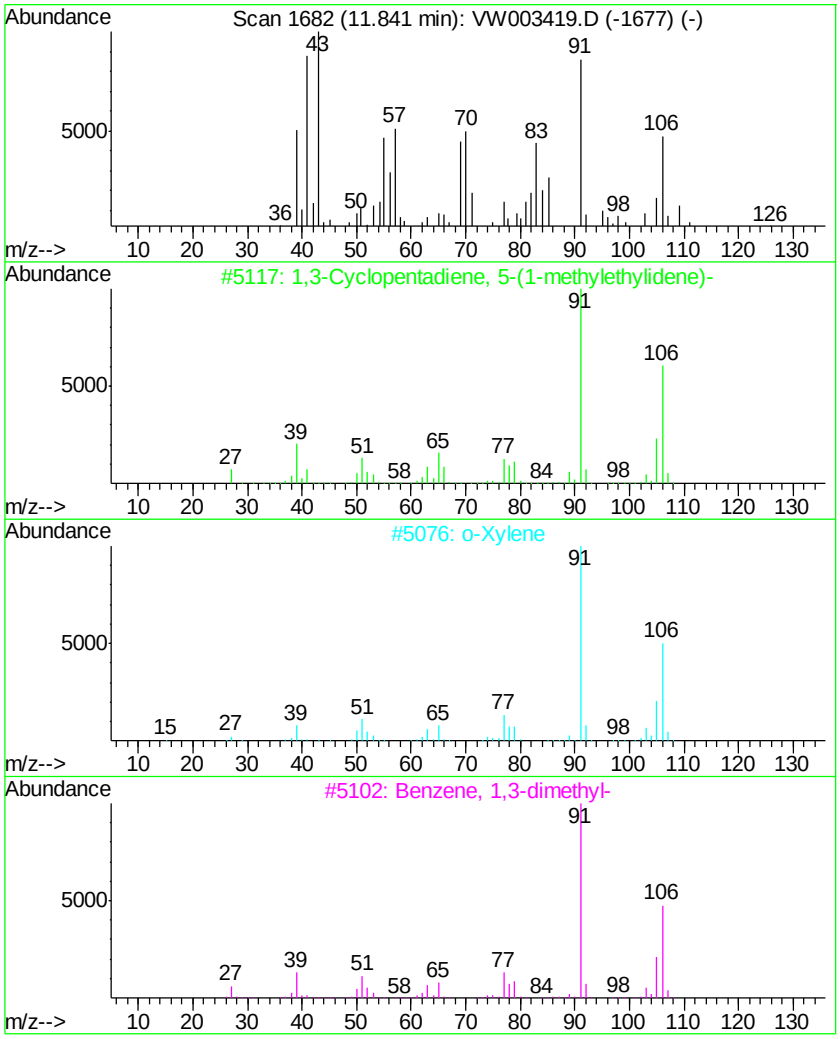
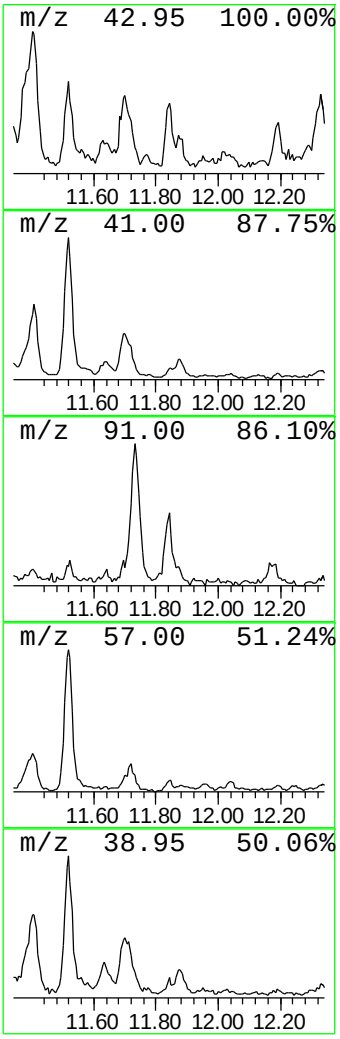
Peak Number 16 unknown-04 Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	1.31 ug/L	24693	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentadiene, 5-(1-methyl...	106	C8H10	002175-91-9	25
2	o-Xylene	106	C8H10	000095-47-6	25
3	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	25
4	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	25
5	o-Xylene	106	C8H10	000095-47-6	25





Library Search Compound Report

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Data File : VW003419.D
Acq On : 22 Jun 2018 11:46
Operator : SY/AP
Sample : J3569-22RE
Misc : 6.75G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXT7RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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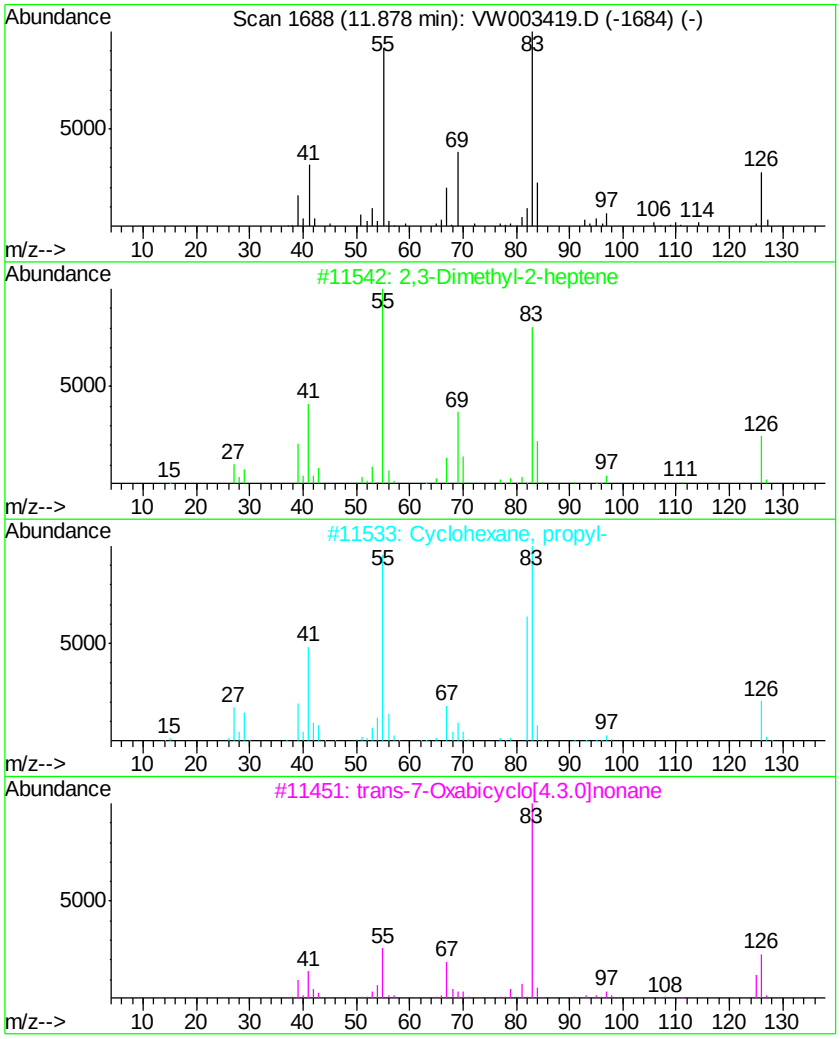
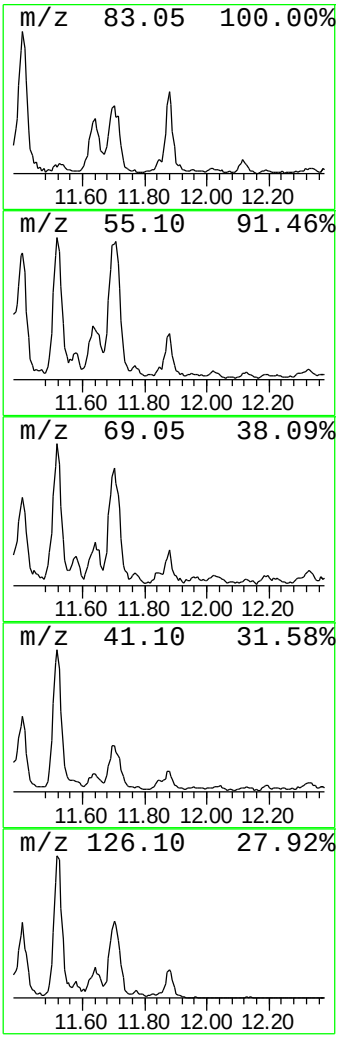
Peak Number 17 (DEL) Alkane: Cyclic11.88 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	2.90 ug/L	54500	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3-Dimethyl-2-heptene	126	C9H18	003074-64-4	83
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	64
3	trans-7-Oxabicyclo[4.3.0]nonane	126	C8H14O	027345-70-6	64
4	Ethanone, 1-(1-methylcyclopentyl)-	126	C8H14O	013388-93-7	59
5	Cyclopentanone, 2,4,4-trimethyl-	126	C8H14O	004694-12-6	53





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Data File : VW003419.D
Acq On : 22 Jun 2018 11:46
Operator : SY/AP
Sample : J3569-22RE
Misc : 6.75G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXT7RE

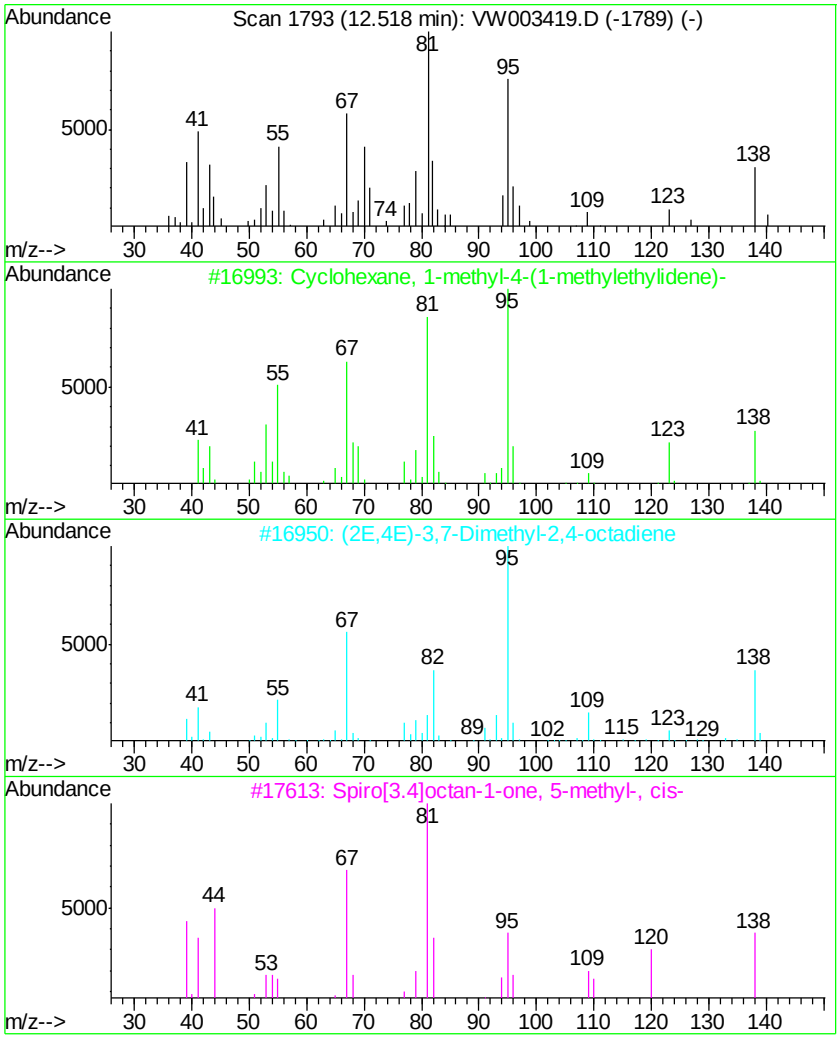
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

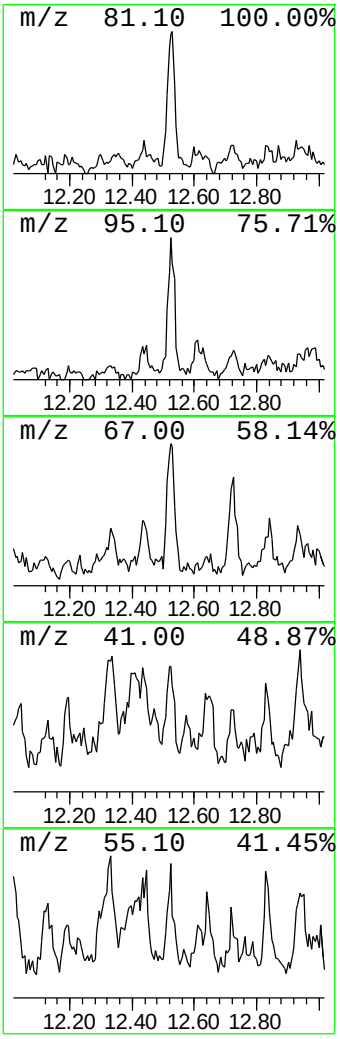
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Cyclohexane, 1-methyl-4-(1-... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	1.56 ug/L	29373	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-27-2	80
2	(2E,4E)-3,7-Dimethyl-2,4-octadiene	138	C10H18	1000374-08-2	60
3	Spiro[3.4]octan-1-one, 5-methyl-...	138	C9H14O	065147-55-9	58
4	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	018968-23-5	58
5	(2Z,4E)-3,7-Dimethyl-2,4-octadiene	138	C10H18	1000374-08-4	55





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Data File : VW003419.D
Acq On : 22 Jun 2018 11:46
Operator : SY/AP
Sample : J3569-22RE
Misc : 6.75G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXT7RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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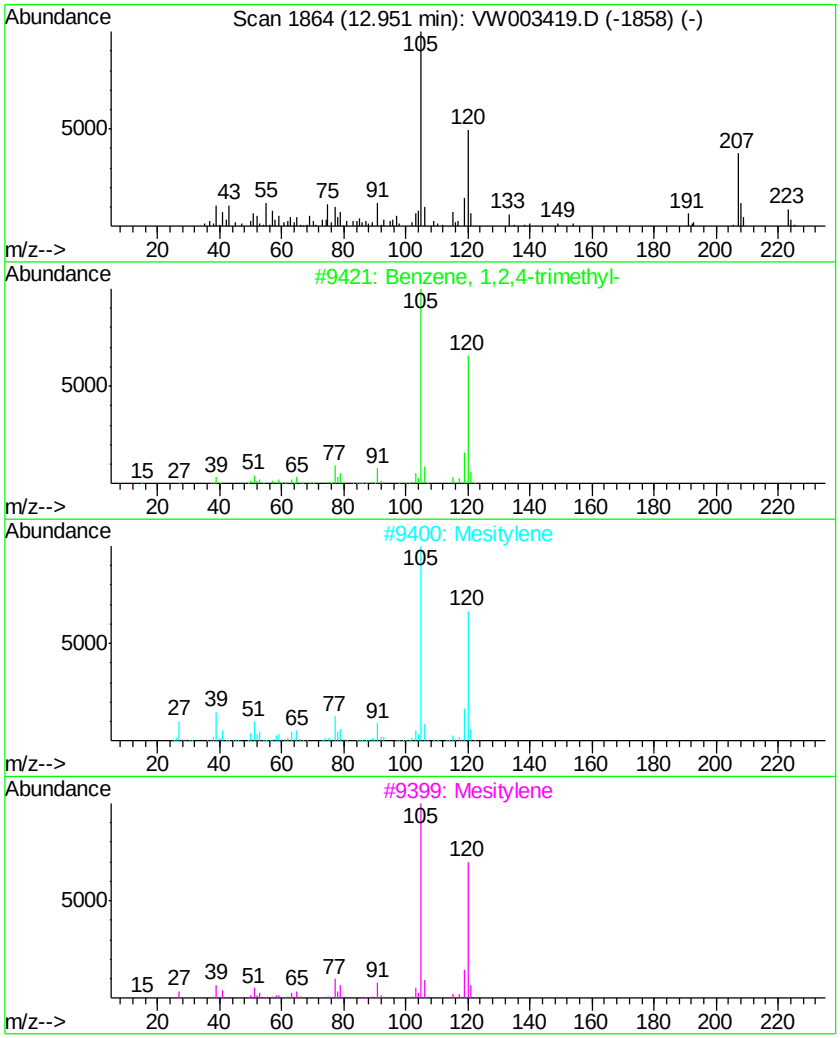
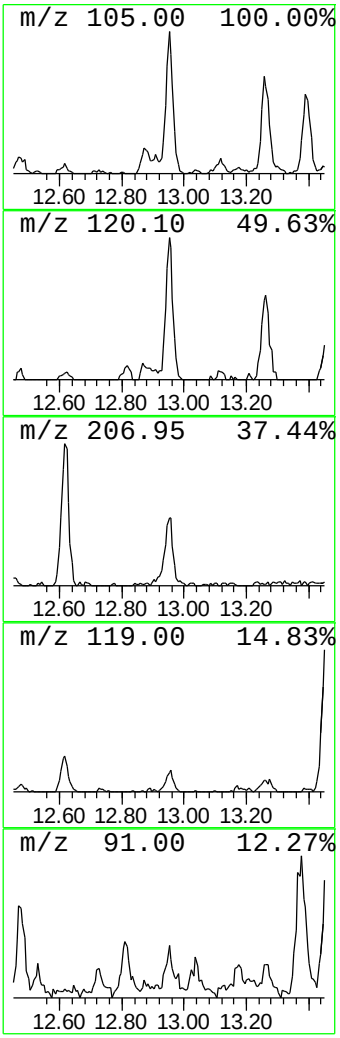
Peak Number 20 Benzene, 1,2,4-trimethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.95	5.55 ug/L	62931	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	64
2	Mesitylene	120	C9H12	000108-67-8	60
3	Mesitylene	120	C9H12	000108-67-8	60
4	Mesitylene	120	C9H12	000108-67-8	60
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	60





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Data File : VW003419.D
Acq On : 22 Jun 2018 11:46
Operator : SY/AP
Sample : J3569-22RE
Misc : 6.75G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXT7RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

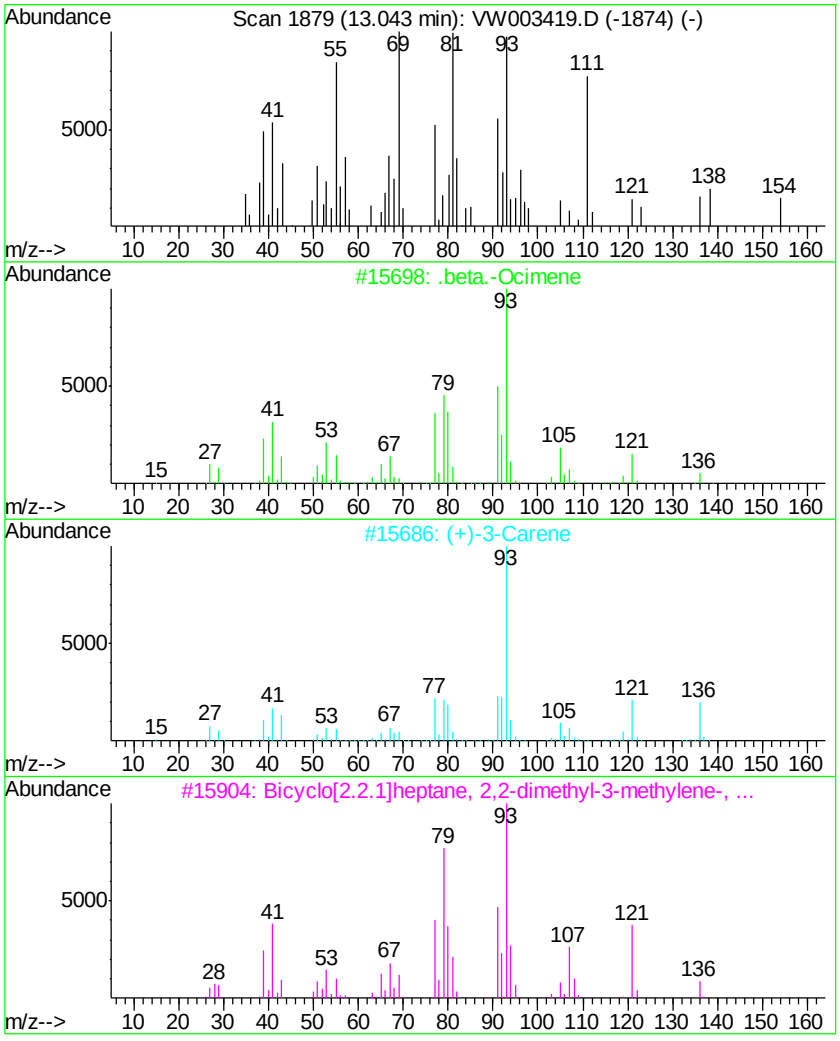
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

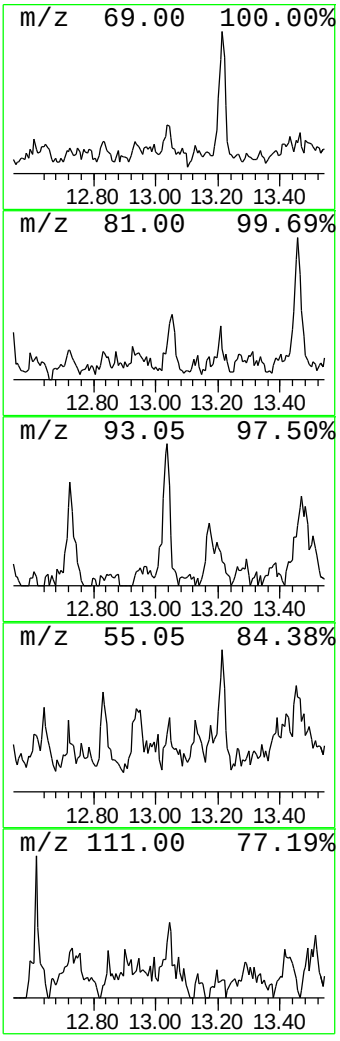
****

Peak Number 21 .beta.-Ocimene Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	1.72 ug/L	19455	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Ocimene	136	C10H16	013877-91-3	70
2	(+)-3-Carene	136	C10H16	000498-15-7	53
3	Bicyclo[2.2.1]heptane, 2,2-dimet...	136	C10H16	005794-03-6	50
4	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000488-97-1	50
5	(+)-4-Carene	136	C10H16	029050-33-7	50





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Data File : VW003419.D
Acq On : 22 Jun 2018 11:46
Operator : SY/AP
Sample : J3569-22RE
Misc : 6.75G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXT7RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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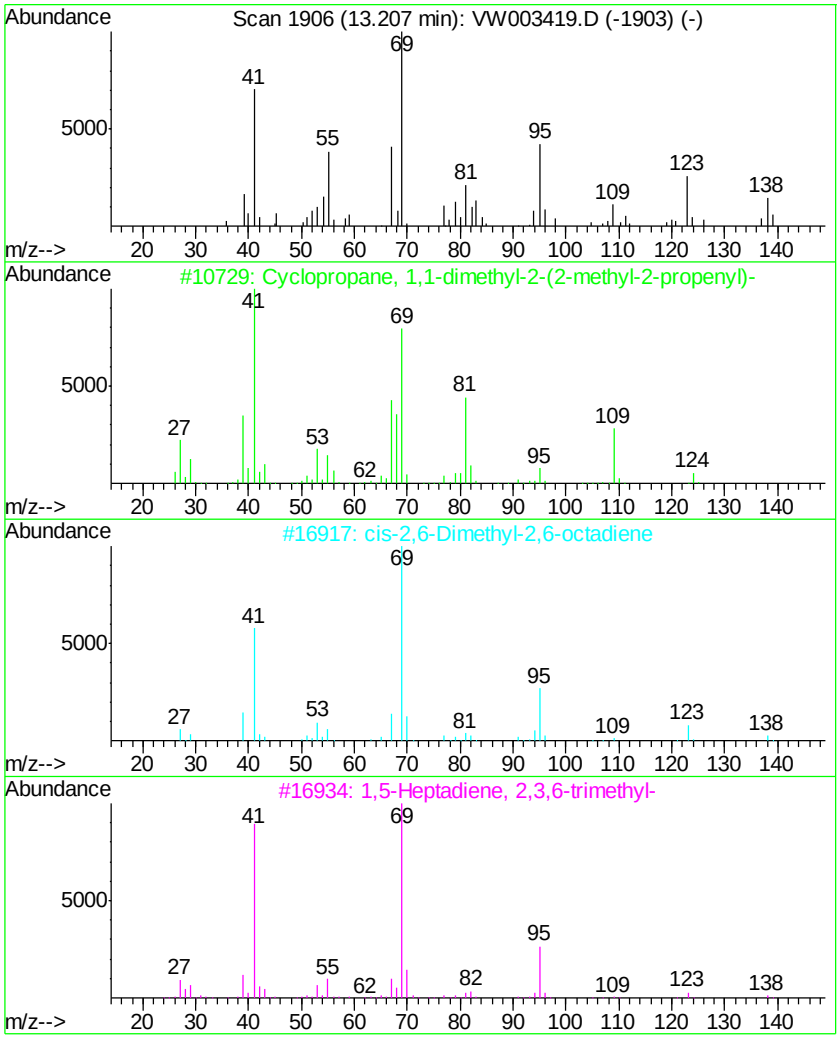
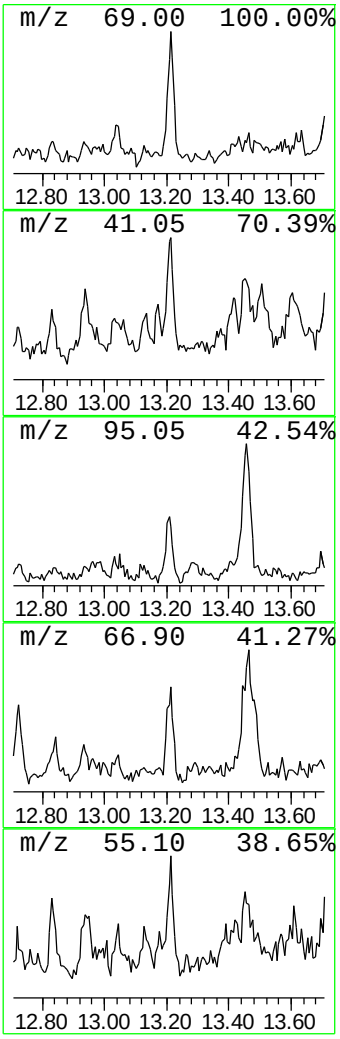
Peak Number 22 Cyclopropane, 1,1-dimethyl-... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.21	1.99 ug/L	22547	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,1-dimethyl-2-(2-...	124	C9H16	069147-03-1	50
2	cis-2,6-Dimethyl-2,6-octadiene	138	C10H18	002492-22-0	37
3	1,5-Heptadiene, 2,3,6-trimethyl-	138	C10H18	033501-88-1	37
4	Trifluoroacetyl-lavandulol	250	C12H17F3O2	028673-24-7	35
5	4-Methyl-2-heptene	112	C8H16	003404-56-6	35





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062218\
Data File : VW003419.D
Acq On : 22 Jun 2018 11:46
Operator : SY/AP
Sample : J3569-22RE
Misc : 6.75G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXT7RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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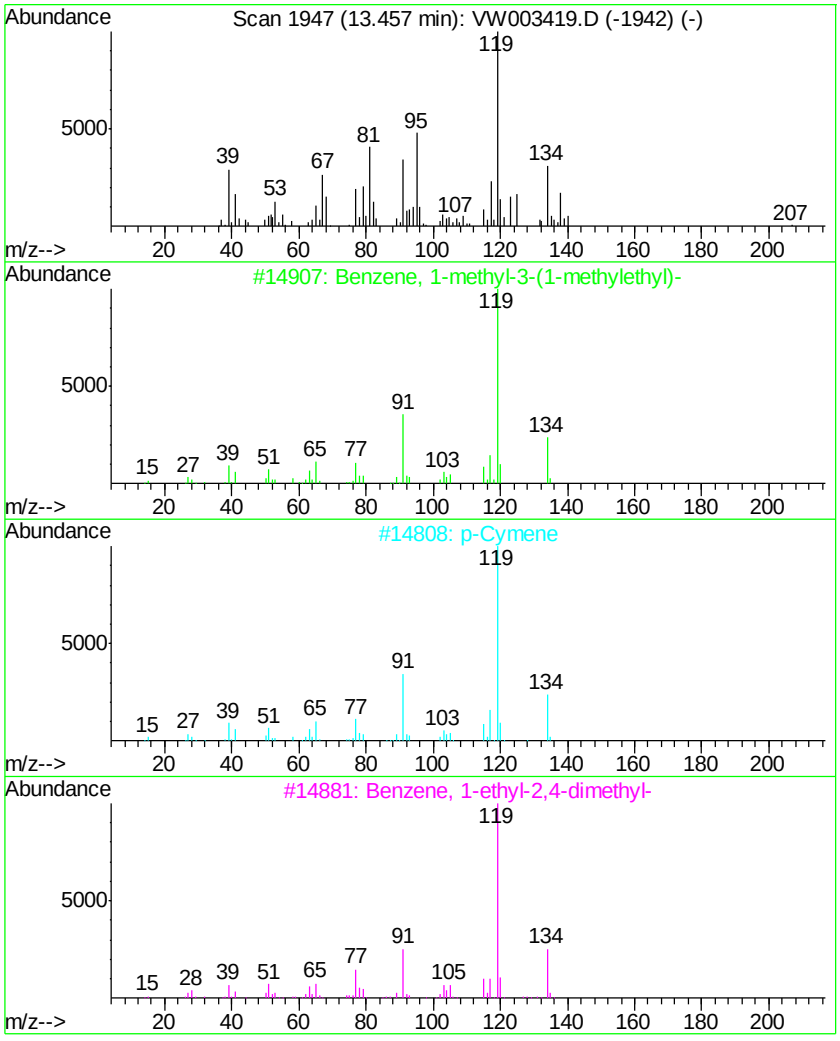
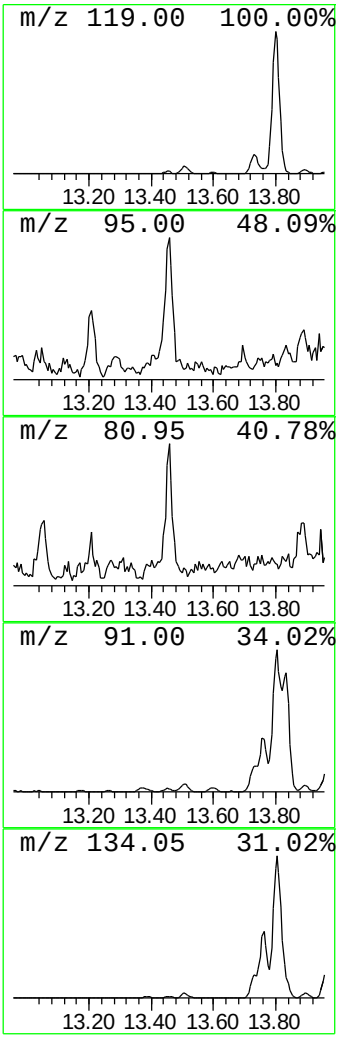
Peak Number 24 Benzene, 1-methyl-3-(1-meth... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.46	5.54 ug/L	62864	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	87
2	p-Cymene	134	C10H14	000099-87-6	60
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	55
4	o-Cymene	134	C10H14	000527-84-4	55
5	o-Cymene	134	C10H14	000527-84-4	50





Library Search Compound Report

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Data File : VW003419.D
Acq On : 22 Jun 2018 11:46
Operator : SY/AP
Sample : J3569-22RE
Misc : 6.75G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXT7RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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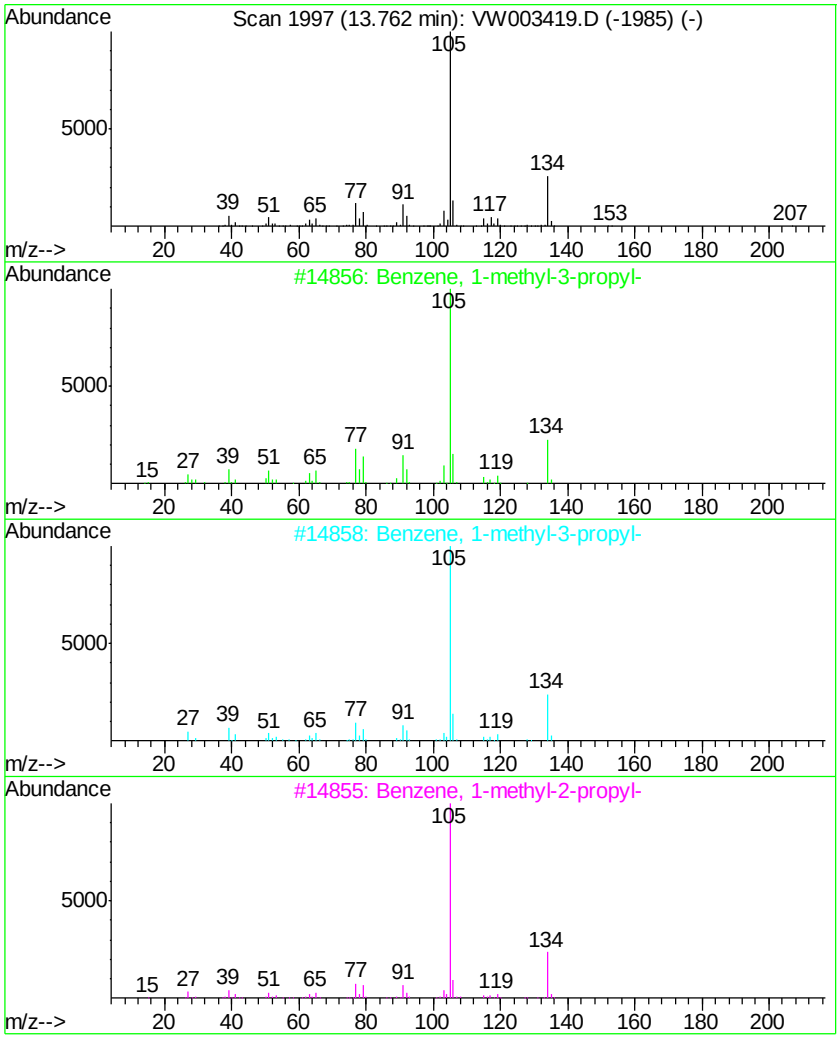
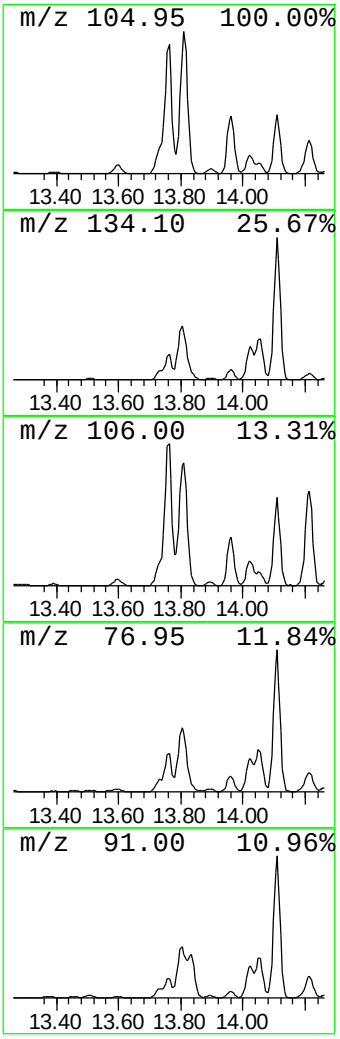
Peak Number 26 Benzene, 1-methyl-3-propyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	124.58 ug/L	1412610	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	95
2	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	94
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91
4	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	91
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062218\
Data File : VW003419.D
Acq On : 22 Jun 2018 11:46
Operator : SY/AP
Sample : J3569-22RE
Misc : 6.75G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXT7RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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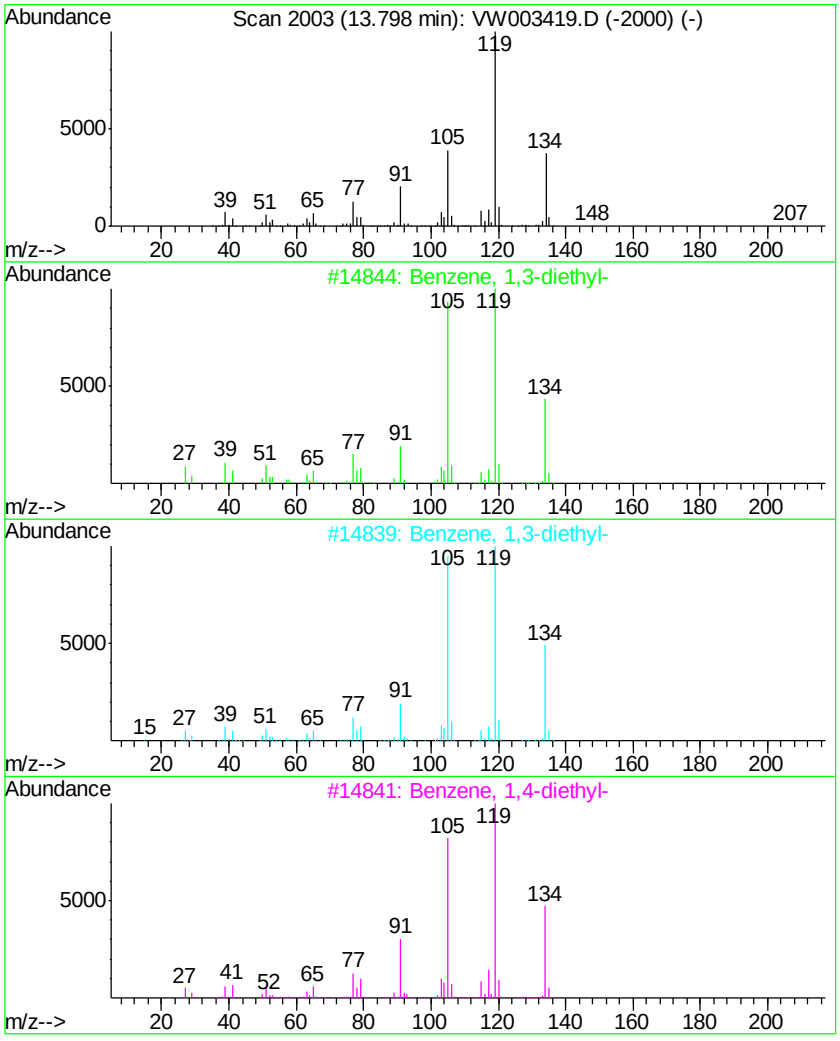
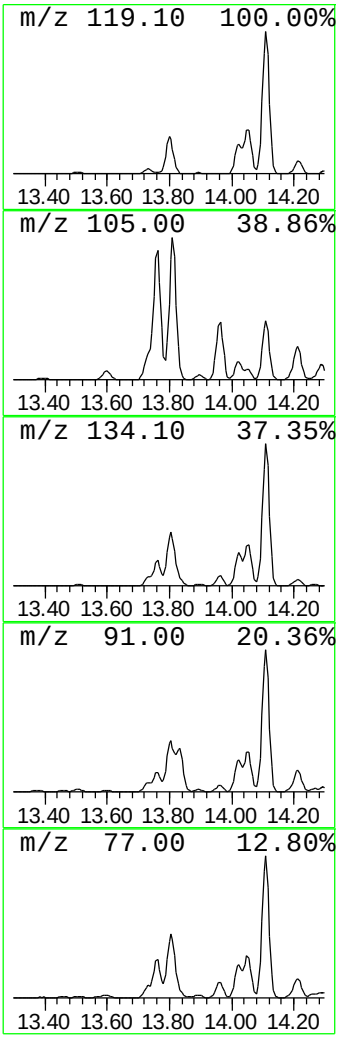
Peak Number 27 Benzene, 1,3-diethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	204.43 ug/L	2317910	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	97
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
4	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





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Data File : VW003419.D
Acq On : 22 Jun 2018 11:46
Operator : SY/AP
Sample : J3569-22RE
Misc : 6.75G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXT7RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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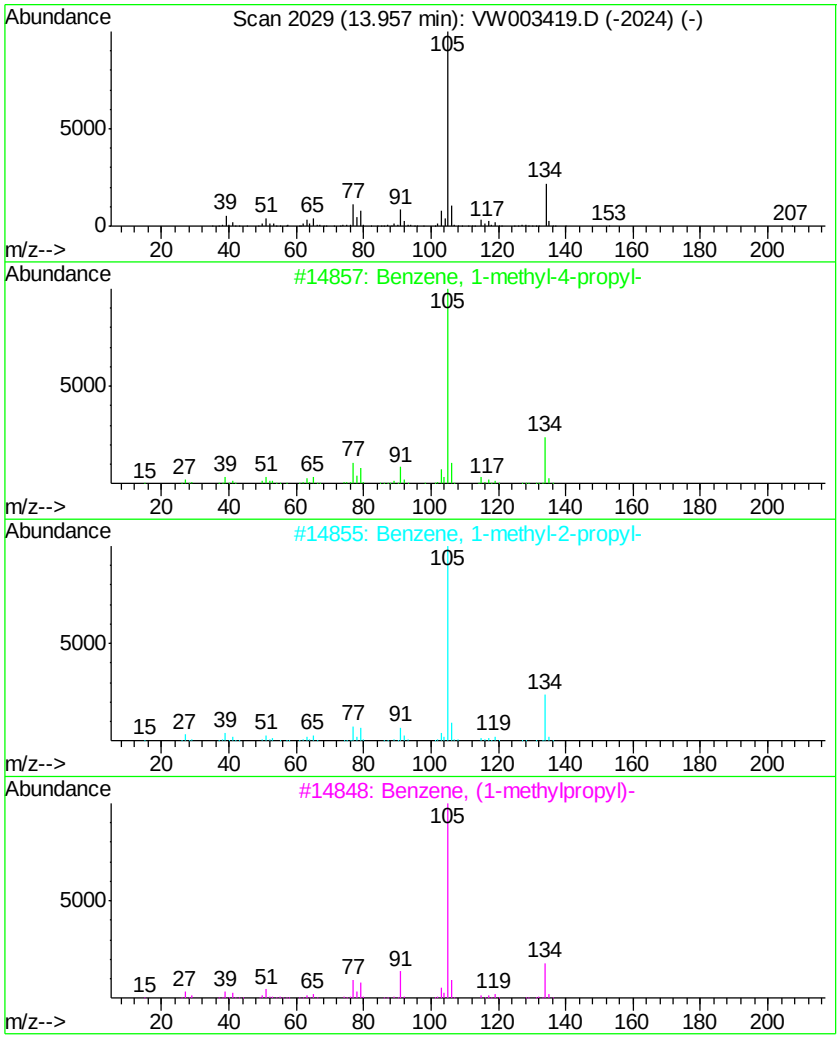
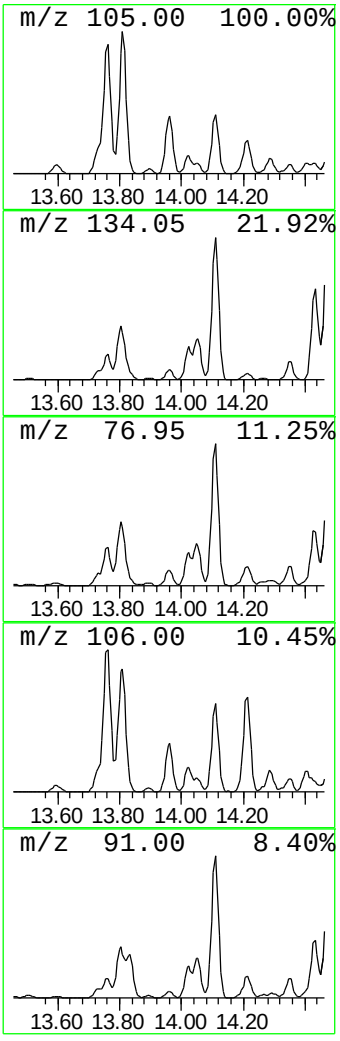
Peak Number 28 Benzene, 1-methyl-4-propyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.96	35.13 ug/L	398332	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	95
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	94
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91





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Data File : VW003419.D
Acq On : 22 Jun 2018 11:46
Operator : SY/AP
Sample : J3569-22RE
Misc : 6.75G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXT7RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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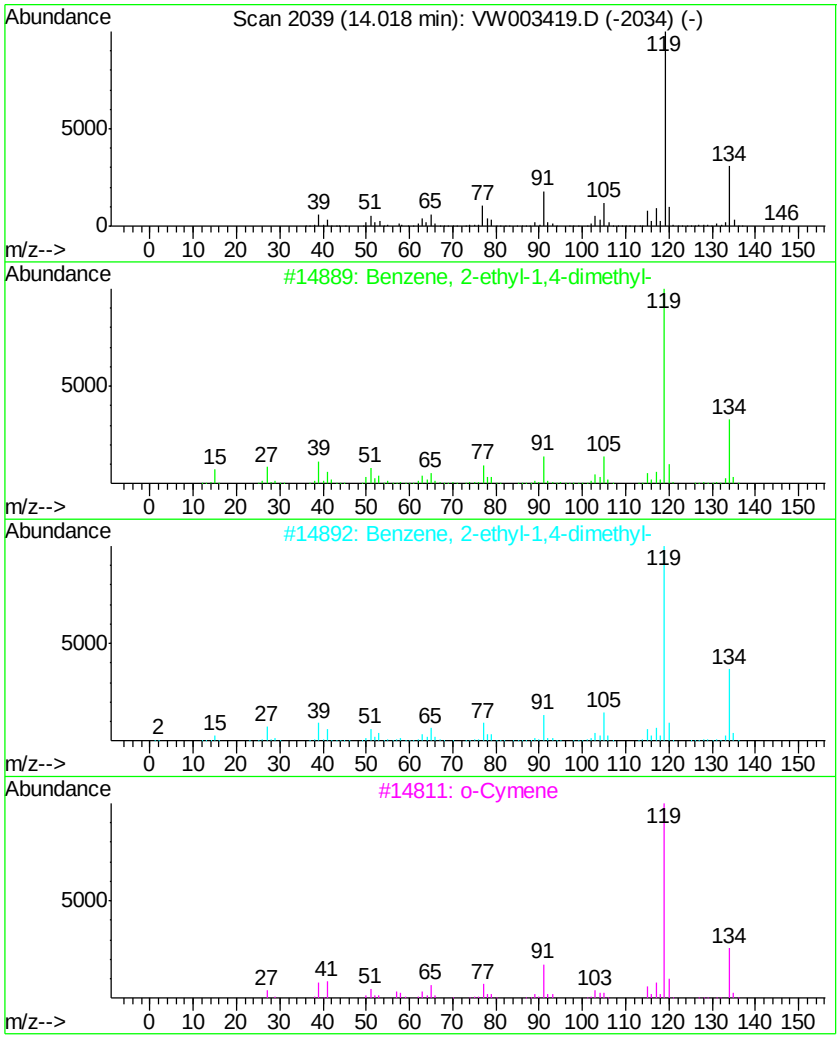
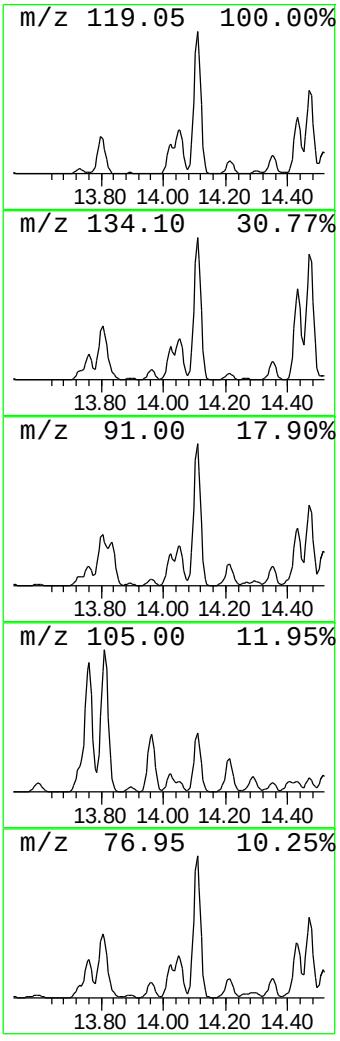
Peak Number 29 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	105.05 ug/L	1191080	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95





Library Search Compound Report

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Data File : VW003419.D
Acq On : 22 Jun 2018 11:46
Operator : SY/AP
Sample : J3569-22RE
Misc : 6.75G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXT7RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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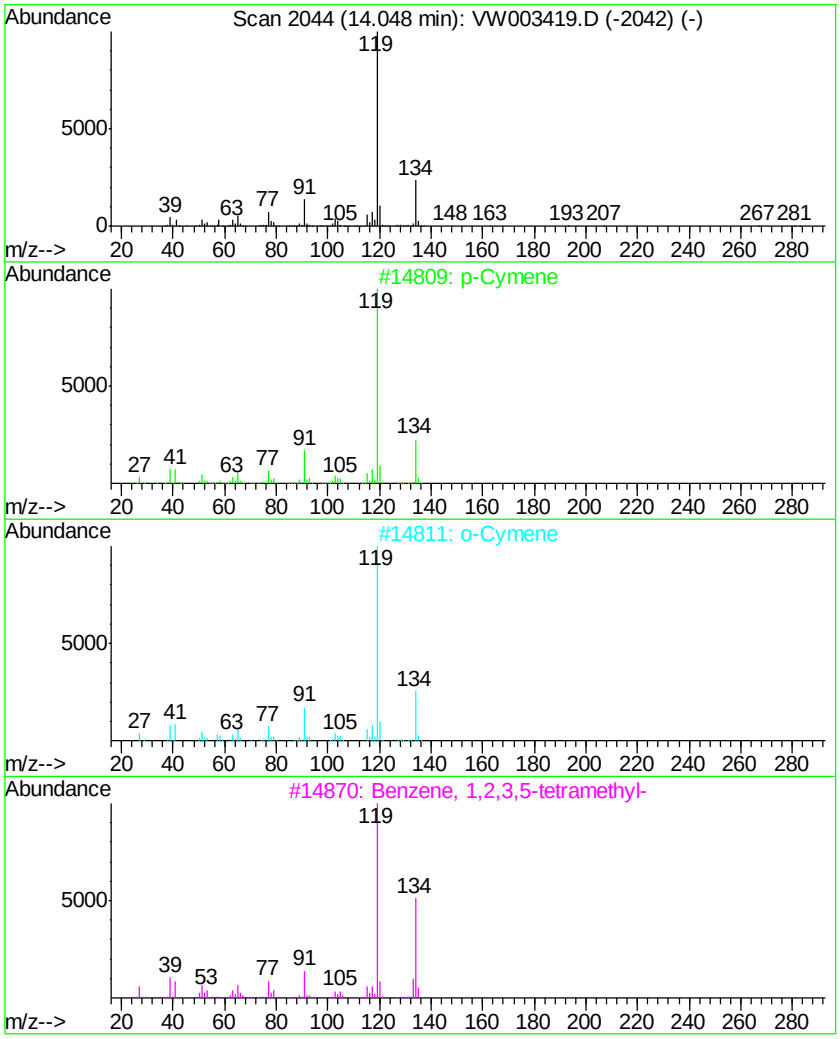
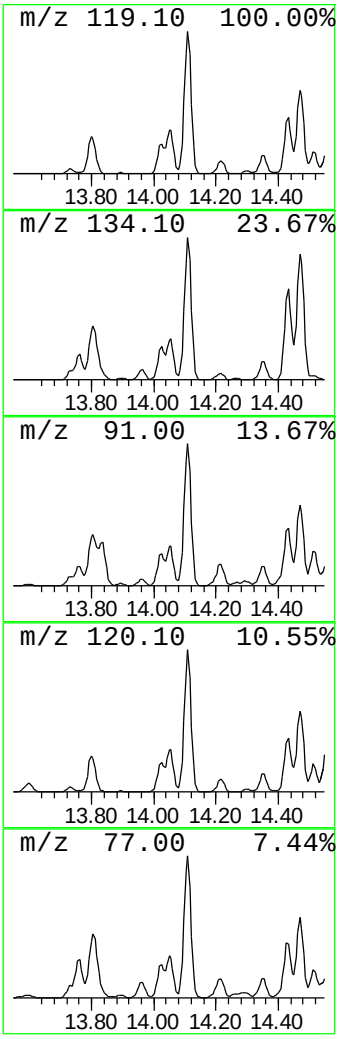
Peak Number 30 p-Cymene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.05	127.25 ug/L	1442820	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	94
2	o-Cymene	134	C10H14	000527-84-4	94
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91





Library Search Compound Report

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Data File : VW003419.D
Acq On : 22 Jun 2018 11:46
Operator : SY/AP
Sample : J3569-22RE
Misc : 6.75G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXT7RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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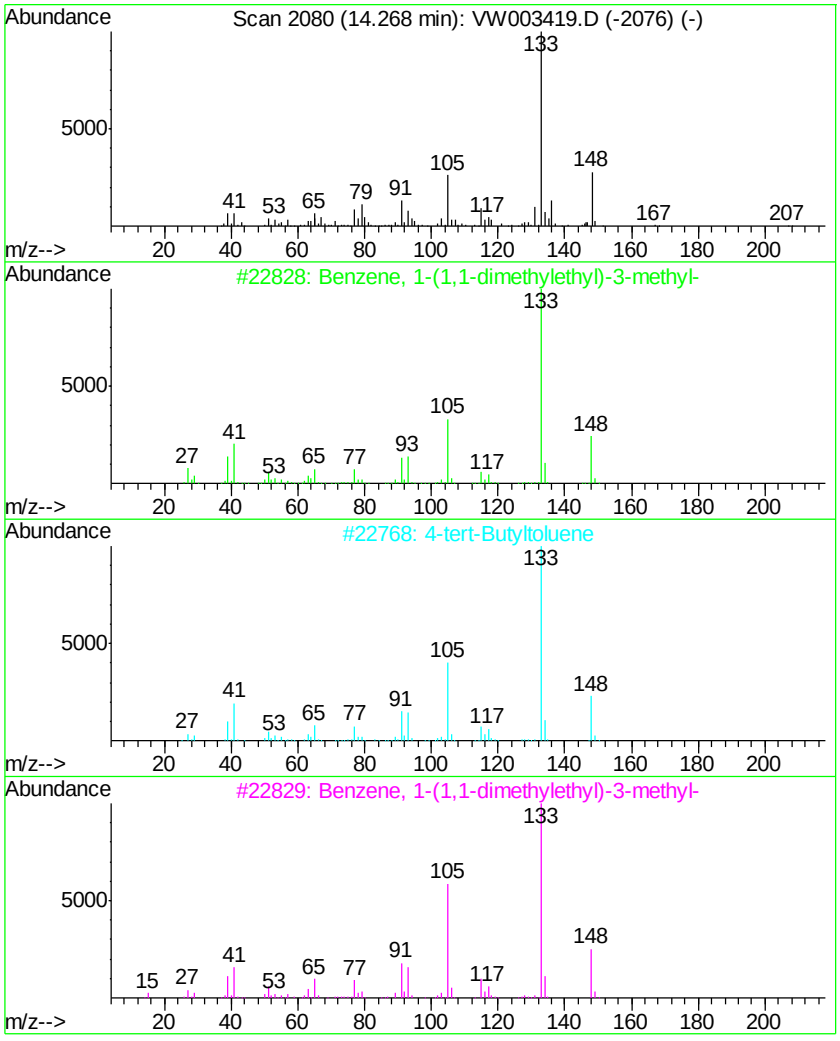
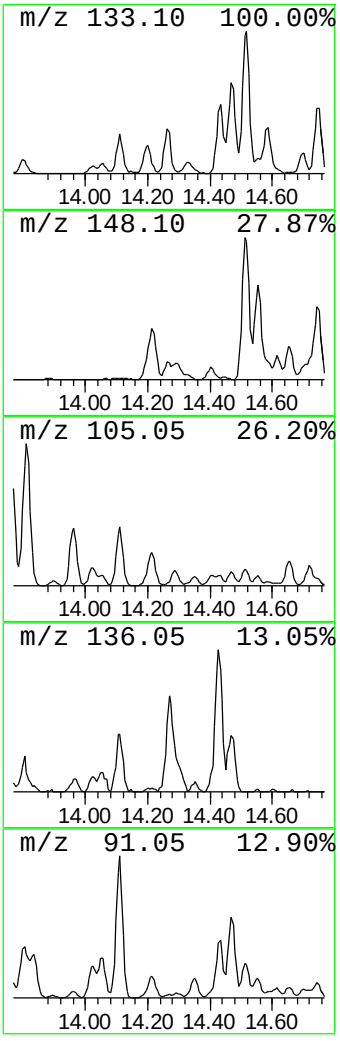
Peak Number 33 Benzene, 1-(1,1-dimethyleth... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	9.72 ug/L	110254	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	74
2	4-tert-Butyltoluene	148	C11H16	000098-51-1	74
3	Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	72
4	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	64
5	Ethanone, 1-(4-ethylphenyl)-	148	C10H12O	000937-30-4	62





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Acq On : 22 Jun 2018 11:46
Operator : SY/AP
Sample : J3569-22RE
Misc : 6.75G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXT7RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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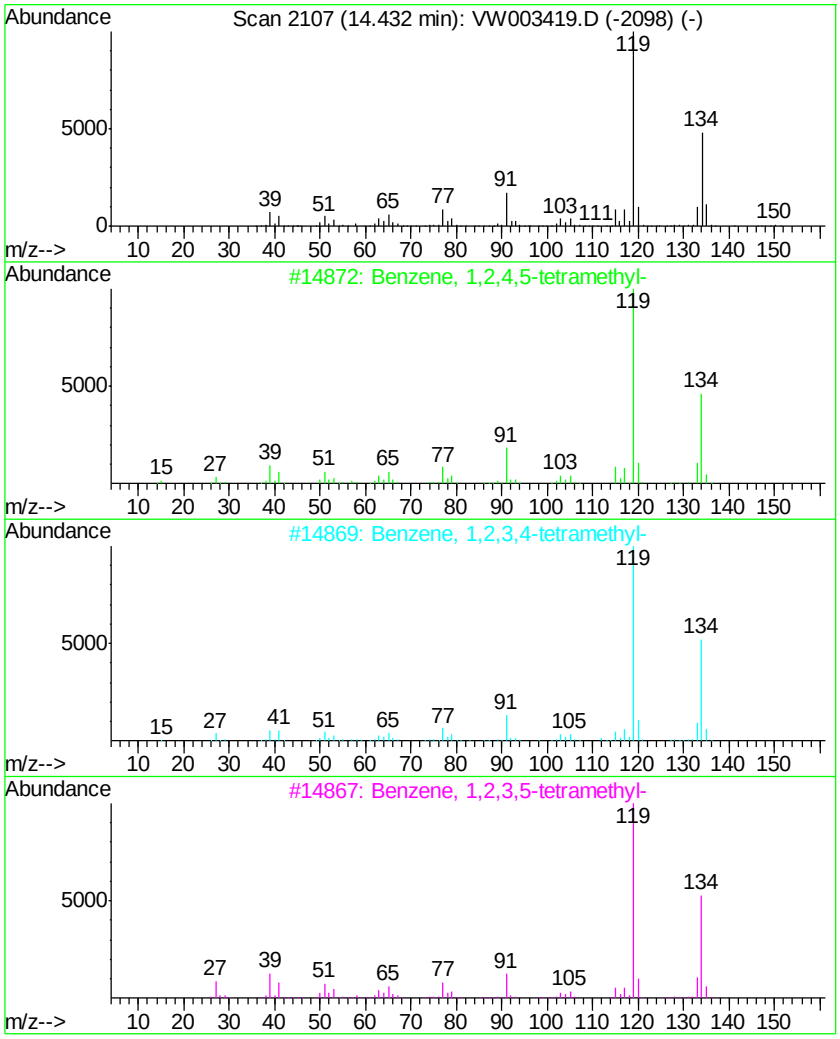
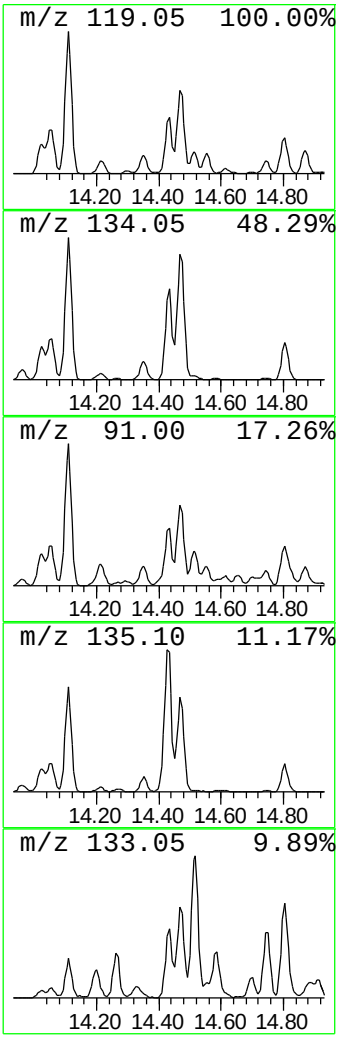
Peak Number 36 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	221.59 ug/L	2512560	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062218\
Data File : VW003419.D
Acq On : 22 Jun 2018 11:46
Operator : SY/AP
Sample : J3569-22RE
Misc : 6.75G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXT7RE

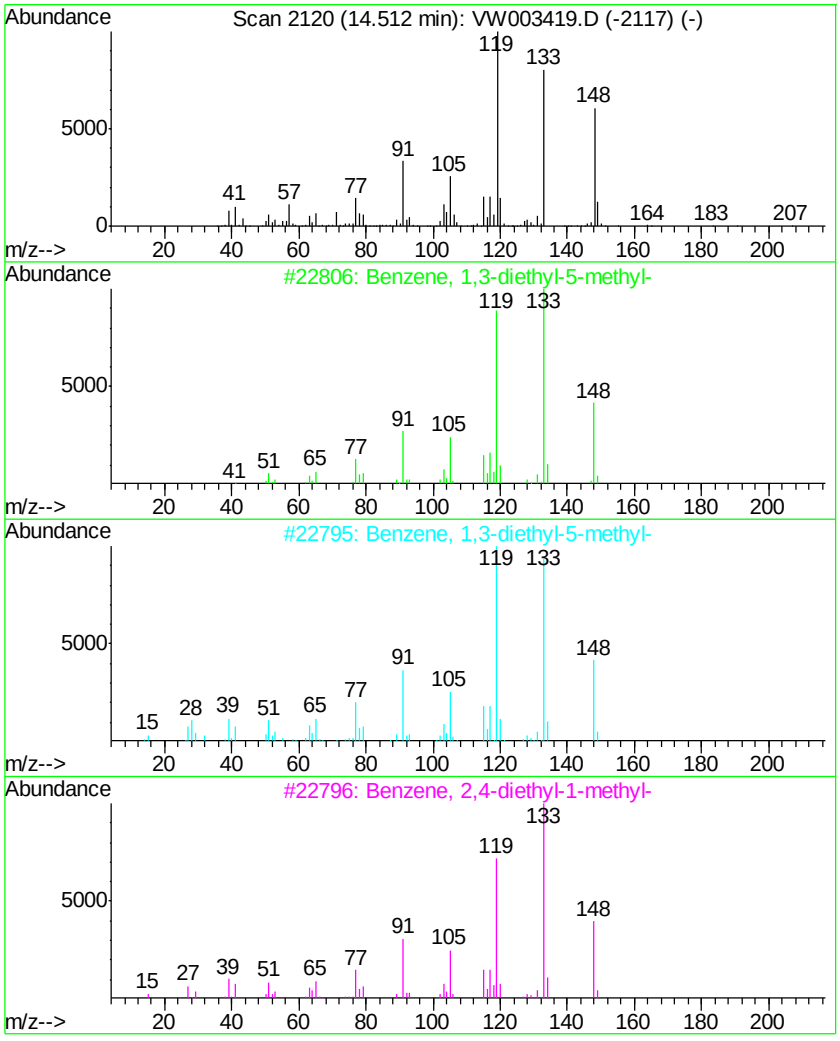
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

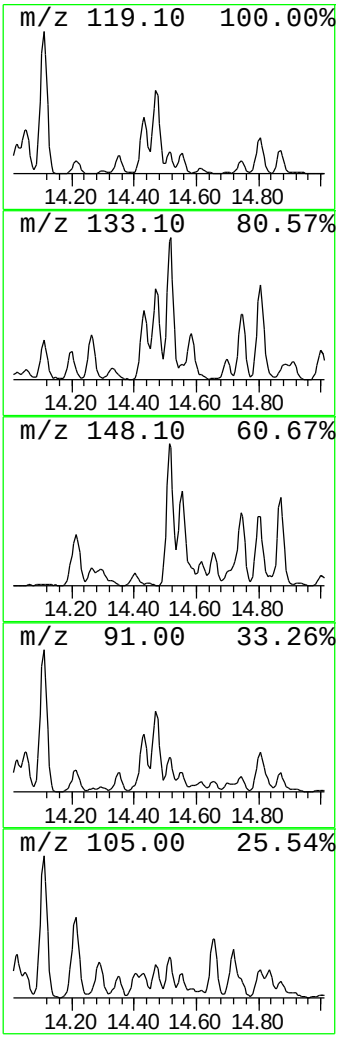
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 38 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	91.28 ug/L	1035030	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	86
2	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	80
3	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	59
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	58
5	3,4-Dimethylcumene	148	C11H16	1000370-34-1	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062218\
Data File : VW003419.D
Acq On : 22 Jun 2018 11:46
Operator : SY/AP
Sample : J3569-22RE
Misc : 6.75G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXT7RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

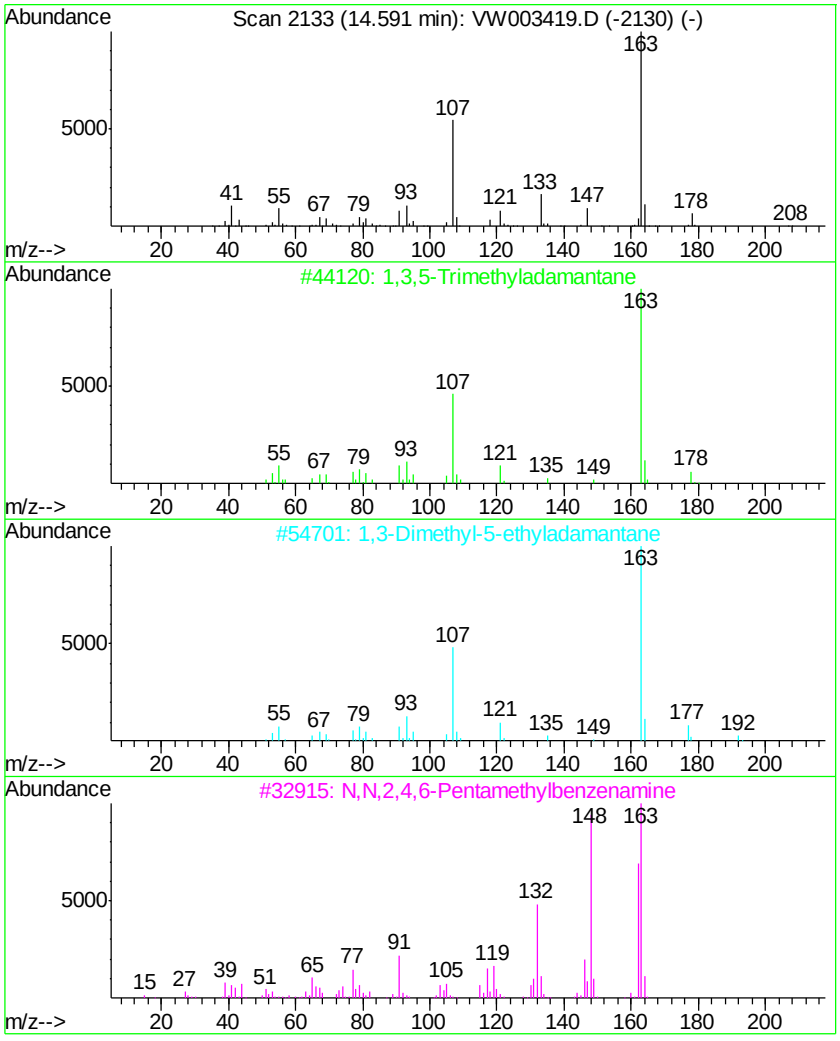
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

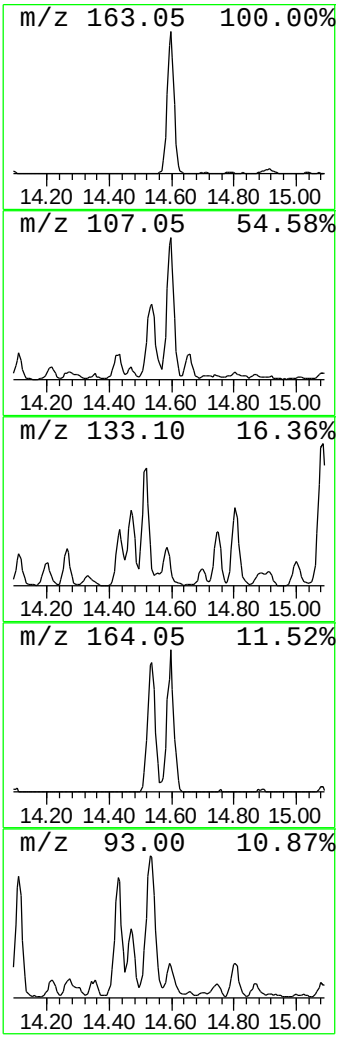
****

Peak Number 40 1,3,5-Trimethyladamantane Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	5.71 ug/L	64777	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,5-Trimethyladamantane	178	C13H22	000707-35-7	74
2	1,3-Dimethyl-5-ethyladamantane	192	C14H24	001687-35-0	50
3	N,N,2,4,6-Pentamethylbenzenamine	163	C11H17N	013021-15-3	50
4	Benzonitrile, 2-amino-5-nitro-	163	C7H5N3O2	017420-30-3	47
5	1H-Indazole, 5-nitro-	163	C7H5N3O2	005401-94-5	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062218\
Data File : VW003419.D
Acq On : 22 Jun 2018 11:46
Operator : SY/AP
Sample : J3569-22RE
Misc : 6.75G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXT7RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

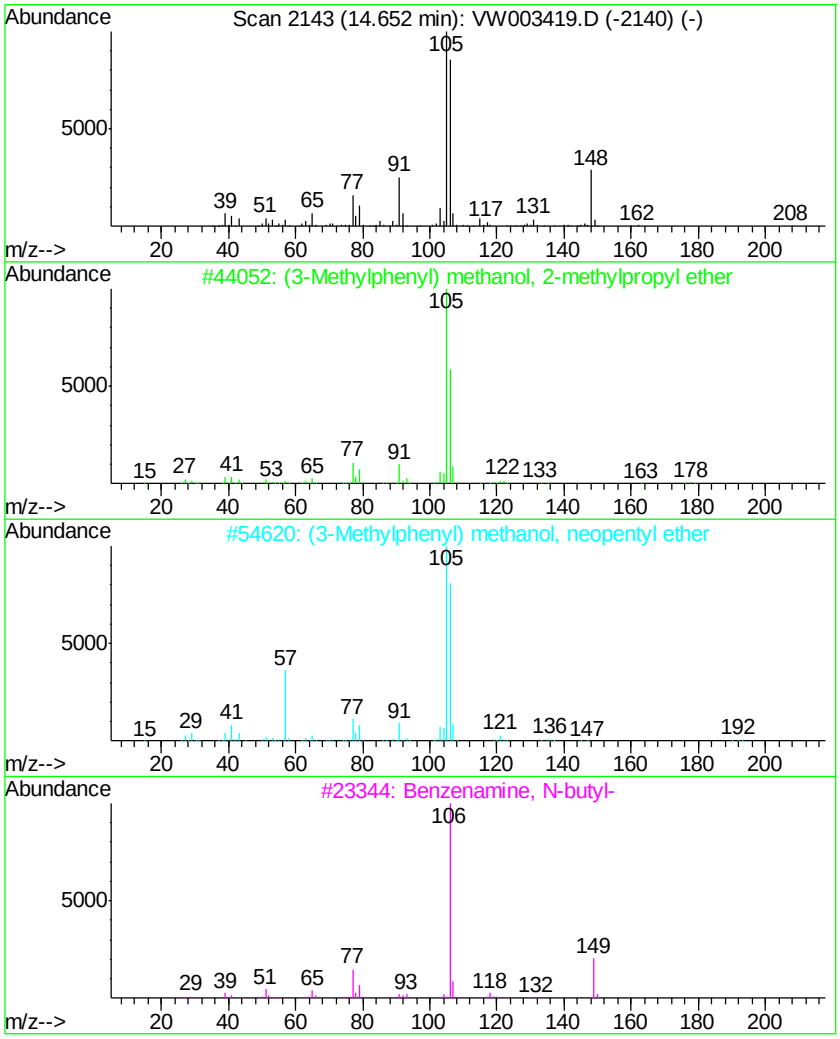
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

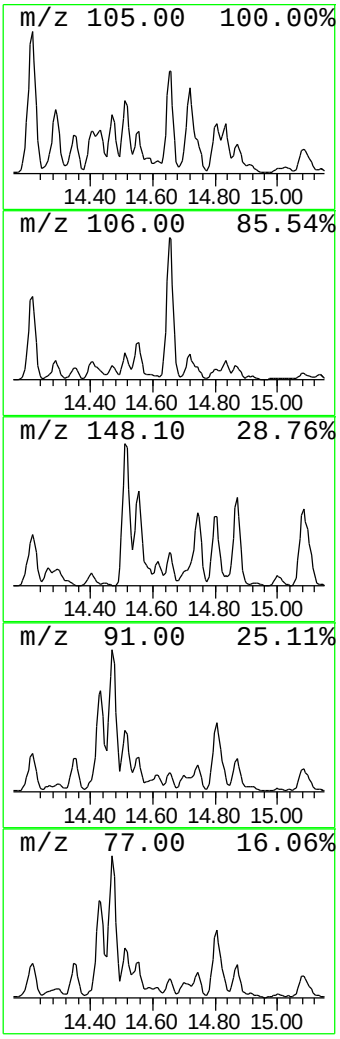
****

Peak Number 41 (3-Methylphenyl) methanol, ... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.65	17.99 ug/L	203992	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(3-Methylphenyl) methanol, 2-met...	178	C12H18O	1000374-58-2	64
2	(3-Methylphenyl) methanol, neope...	192	C13H20O	1000374-44-1	64
3	Benzenamine, N-butyl-	149	C10H15N	001126-78-9	50
4	Benzenamine, 4-butyl-	149	C10H15N	000104-13-2	50
5	Benzenamine, 2-ethyl-	121	C8H11N	000578-54-1	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062218\
Data File : VW003419.D
Acq On : 22 Jun 2018 11:46
Operator : SY/AP
Sample : J3569-22RE
Misc : 6.75G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXT7RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

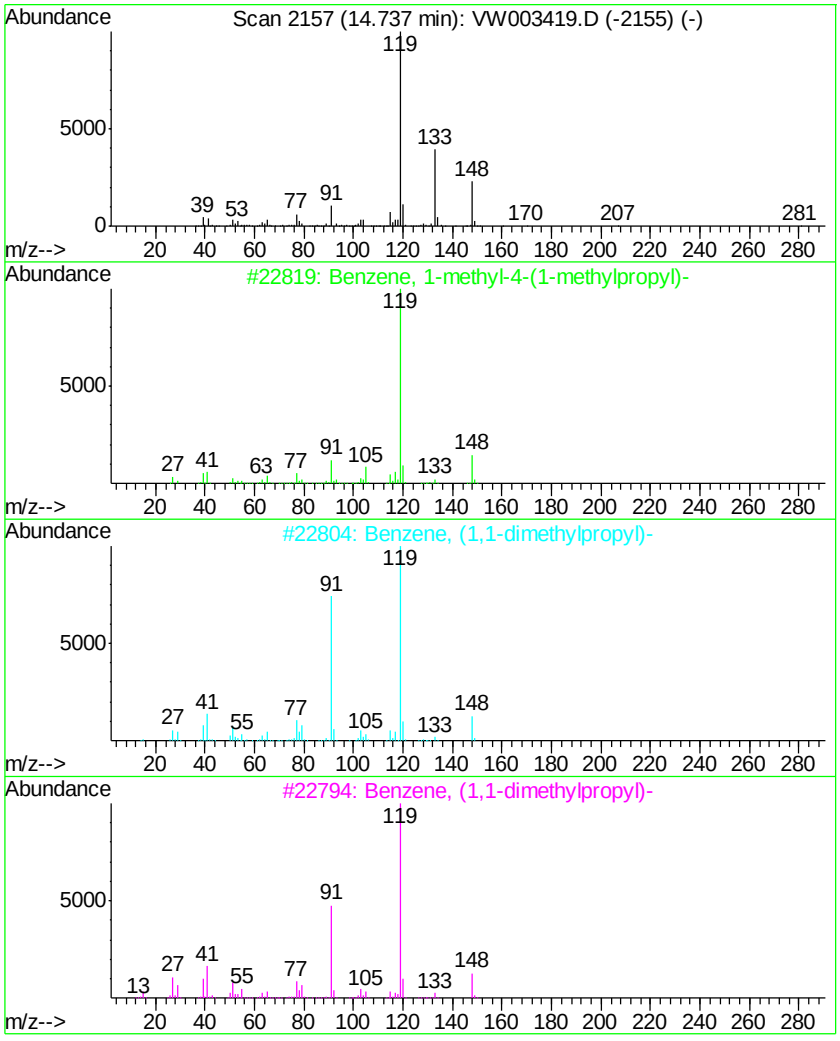
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

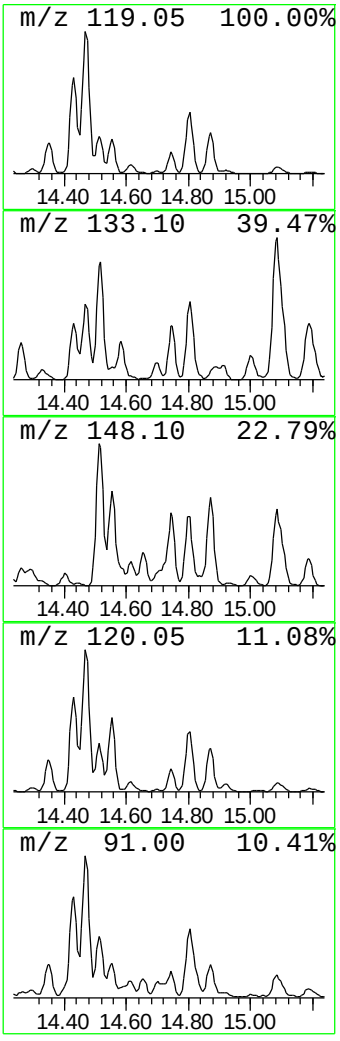
****

Peak Number 43 Benzene, 1-methyl-4-(1-meth... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	42.58 ug/L	482783	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	76
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	59
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	53
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	53
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062218\
Data File : VW003419.D
Acq On : 22 Jun 2018 11:46
Operator : SY/AP
Sample : J3569-22RE
Misc : 6.75G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXT7RE

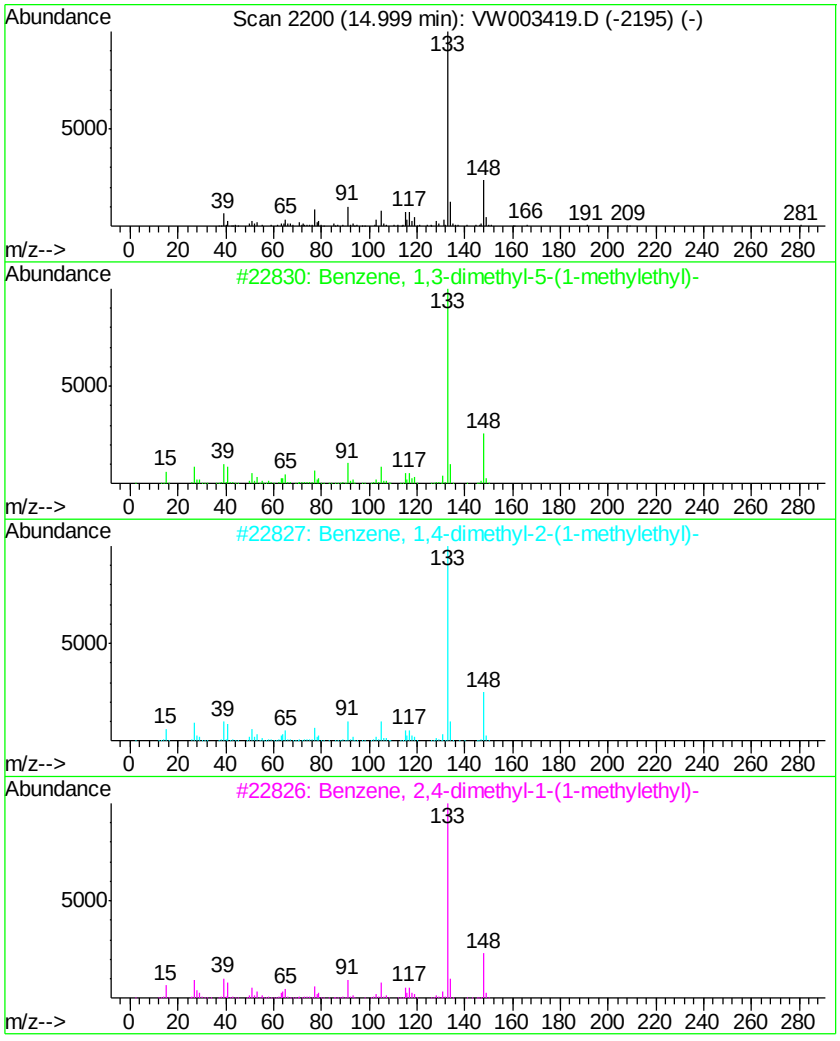
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

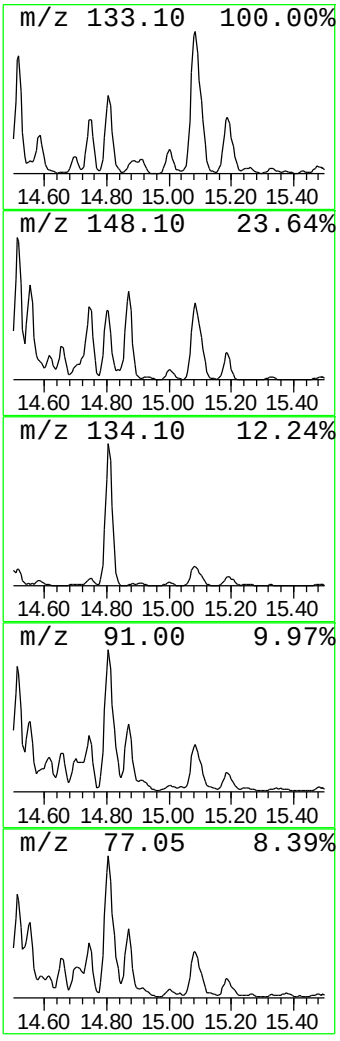
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 46 Benzene, 1,3-dimethyl-5-(1-... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.00	8.19 ug/L	92815	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	95
2	Benzene, 1,4-dimethyl-2-(1-methy...	148	C11H16	004132-72-3	91
3	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	91
4	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	90
5	Benzene, pentamethyl-	148	C11H16	000700-12-9	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062218\
Data File : VW003419.D
Acq On : 22 Jun 2018 11:46
Operator : SY/AP
Sample : J3569-22RE
Misc : 6.75G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXT7RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

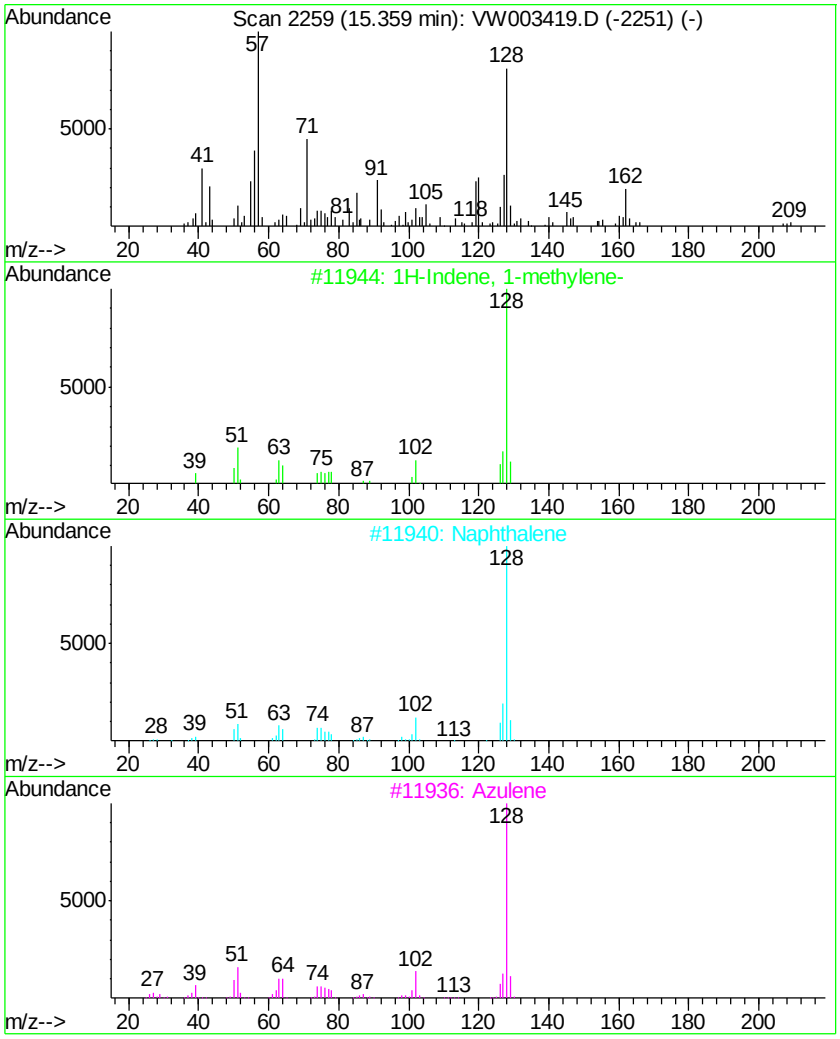
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

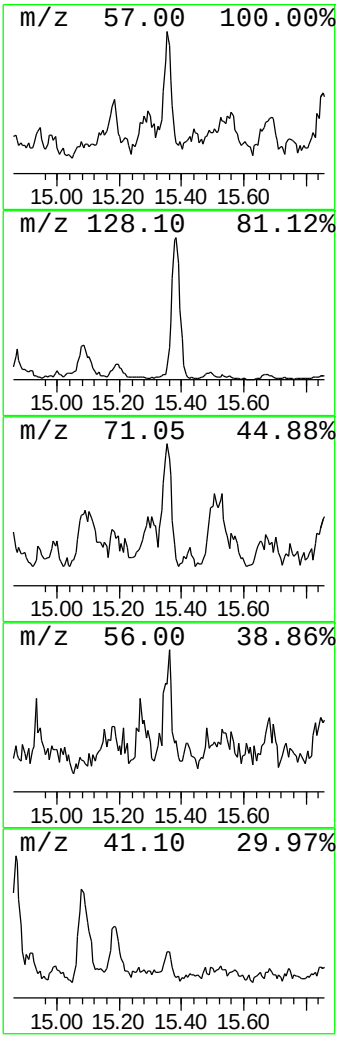
****

Peak Number 49 unknown-05 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	4.66 ug/L	52814	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methylene-	128	C10H8	002471-84-3	46
2	Naphthalene	128	C10H8	000091-20-3	46
3	Azulene	128	C10H8	000275-51-4	38
4	Butanoic acid, 4-chlorophenyl ester	198	C10H11ClO2	007476-81-5	38
5	1,3-Cyclopentanedione, 4-hydroxy...	128	C6H8O3	004800-04-8	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062218\
Data File : VW003419.D
Acq On : 22 Jun 2018 11:46
Operator : SY/AP
Sample : J3569-22RE
Misc : 6.75G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXT7RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

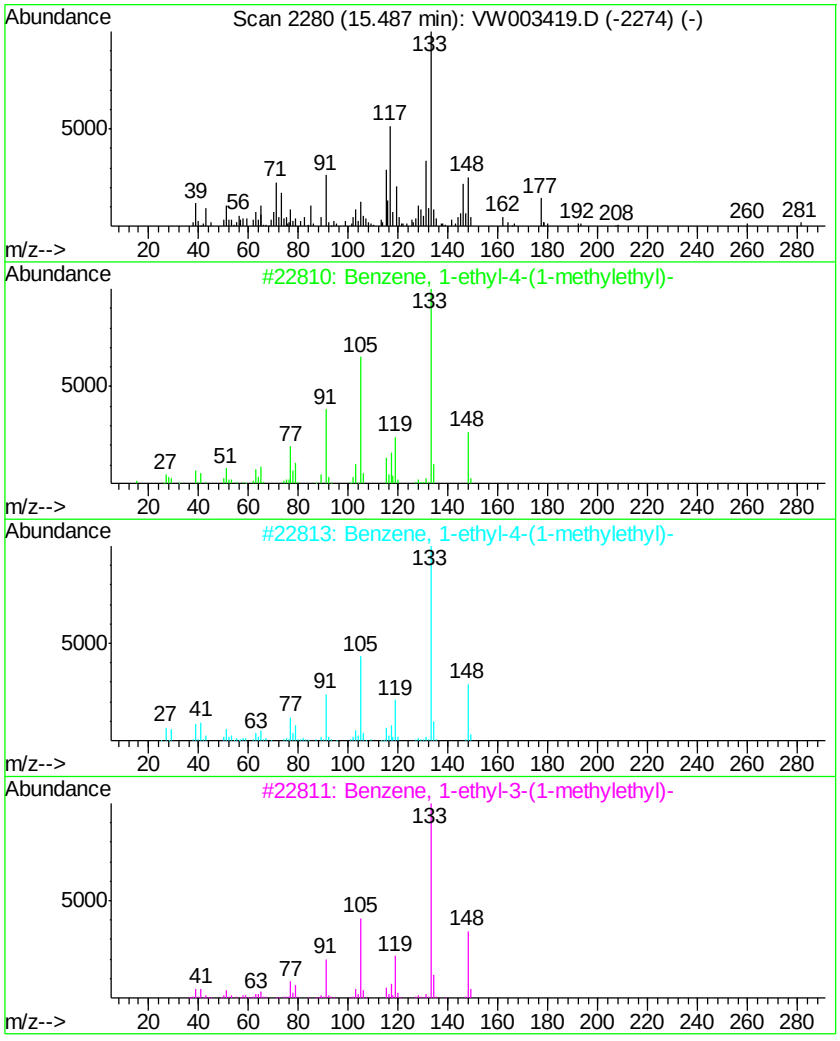
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

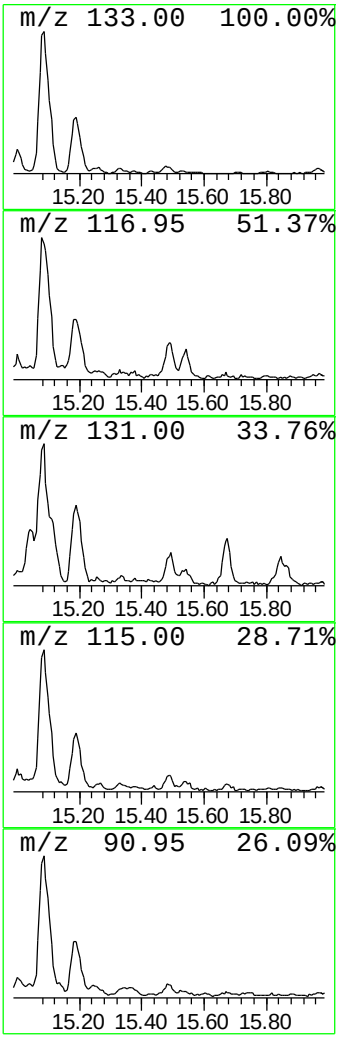
****

Peak Number 50 unknown-06 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.49	5.82 ug/L	66002	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	46
2	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	43
3	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	43
4	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	38
5	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062218\
Data File : VW003419.D
Acq On : 22 Jun 2018 11:46
Operator : SY/AP
Sample : J3569-22RE
Misc : 6.75G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXT7RE

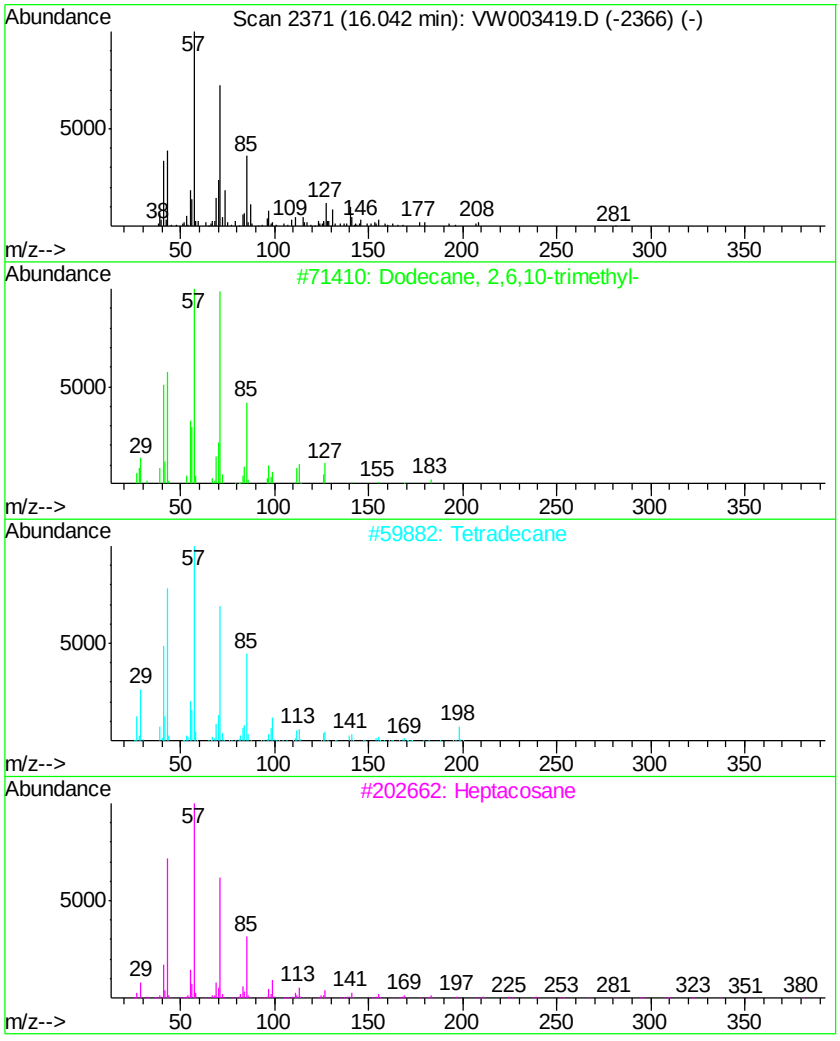
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

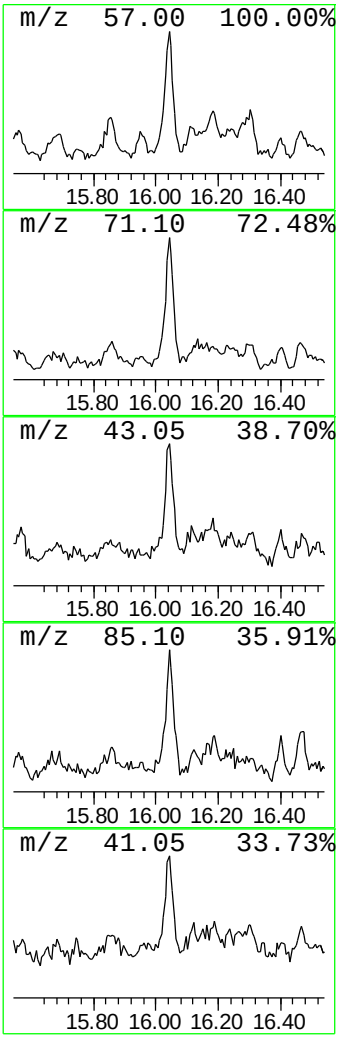
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 53 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	6.53 ug/L	74084	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	59
2	Tetradecane	198	C14H30	000629-59-4	53
3	Heptacosane	380	C27H56	000593-49-7	50
4	Pentacosane	352	C25H52	000629-99-2	47
5	Sulfurous acid, nonyl 2-pentyl e...	278	C14H30O3S	1000309-15-8	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062218\
Data File : VW003419.D
Acq On : 22 Jun 2018 11:46
Operator : SY/AP
Sample : J3569-22RE
Misc : 6.75G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXT7RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

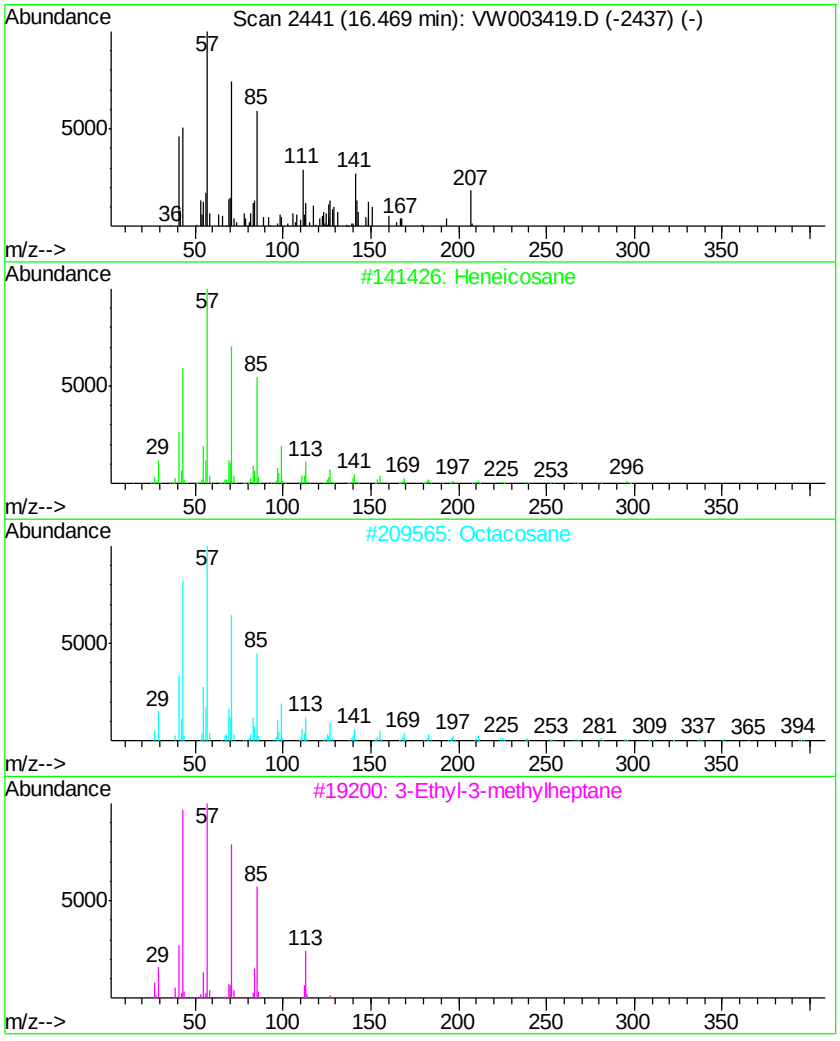
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

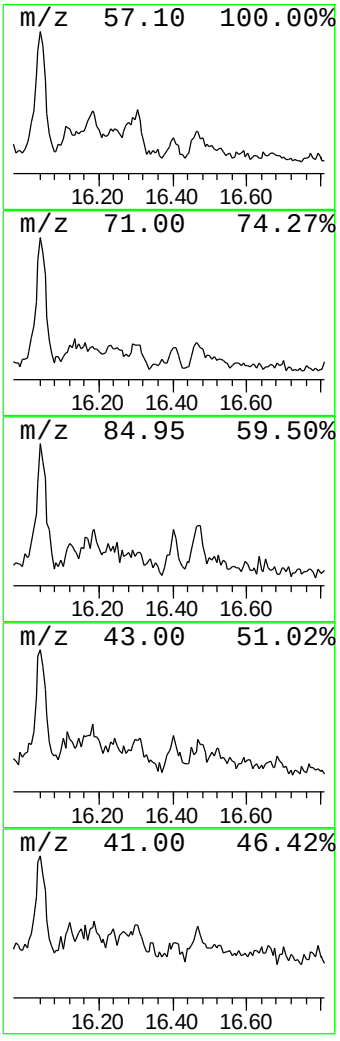
****

Peak Number 54 unknown-07 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.47	1.62 ug/L	18409	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	49
2	Octacosane	394	C28H58	000630-02-4	49
3	3-Ethyl-3-methylheptane	142	C10H22	017302-01-1	43
4	Octane, 4-methyl-	128	C9H20	002216-34-4	43
5	10-Methylnonadecane	282	C20H42	056862-62-5	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062218\
Data File : VW003419.D
Acq On : 22 Jun 2018 11:46
Operator : SY/AP
Sample : J3569-22RE
Misc : 6.75G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXT7RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
1-Methyl-3-nitro-...	1.94	1.4	ug/L	31294	1	8.82	542498	25.0
2-Propanol, 1-chl...	2.61	6.3	ug/L	136153	1	8.82	542498	25.0
Furan, tetrahydro...	8.58	2.3	ug/L	49707	1	8.82	542498	25.0
Furan, tetrahydro...	9.17	3.4	ug/L	73055	1	8.82	542498	25.0
Butanoic acid, me...	9.67	2.3	ug/L	50404	1	8.82	542498	25.0
unknown-01	10.73	3.2	ug/L	60061	2	11.63	470269	25.0
(DEL) Alkane: Cyc...	10.85	1.4	ug/L	26395	2	11.63	470269	25.0
2-Cyclohexen-1-on...	11.06	7.8	ug/L	146345	2	11.63	470269	25.0
(DEL) Alkane: Cyc...	11.18	10.4	ug/L	195274	2	11.63	470269	25.0
unknown-02	11.29	28.2	ug/L	529749	2	11.63	470269	25.0
Cyclohexanone, 2,...	11.41	12.8	ug/L	240932	2	11.63	470269	25.0
unknown-03	11.52	16.6	ug/L	313189	2	11.63	470269	25.0
(DEL) Alkane: Cyc...	11.70	11.1	ug/L	208339	2	11.63	470269	25.0
unknown-04	11.84	1.3	ug/L	24693	2	11.63	470269	25.0
(DEL) Alkane: Cyc...	11.88	2.9	ug/L	54500	2	11.63	470269	25.0
Cyclohexane, 1-me...	12.52	1.6	ug/L	29373	2	11.63	470269	25.0
Benzene, 1,2,4-tr...	12.95	5.5	ug/L	62931	3	13.57	283465	25.0
.beta.-Ocimene	13.04	1.7	ug/L	19455	3	13.57	283465	25.0
Cyclopropane, 1,1...	13.21	2.0	ug/L	22547	3	13.57	283465	25.0
Benzene, 1-methyl...	13.46	5.5	ug/L	62864	3	13.57	283465	25.0
Benzene, 1-methyl...	13.76	124.6	ug/L	1412610	3	13.57	283465	25.0
Benzene, 1,3-diet...	13.80	204.4	ug/L	2317910	3	13.57	283465	25.0
Benzene, 1-methyl...	13.96	35.1	ug/L	398332	3	13.57	283465	25.0
Benzene, 2-ethyl-...	14.02	105.1	ug/L	1191080	3	13.57	283465	25.0
p-Cymene	14.05	127.3	ug/L	1442820	3	13.57	283465	25.0
Benzene, 1-(1,1-d...	14.27	9.7	ug/L	110254	3	13.57	283465	25.0
Benzene, 1,2,4,5-...	14.43	221.6	ug/L	2512560	3	13.57	283465	25.0
Benzene, 1,3-diet...	14.51	91.3	ug/L	1035030	3	13.57	283465	25.0
1,3,5-Trimethylad...	14.59	5.7	ug/L	64777	3	13.57	283465	25.0
(3-Methylphenyl) ...	14.65	18.0	ug/L	203992	3	13.57	283465	25.0
Benzene, 1-methyl...	14.74	42.6	ug/L	482783	3	13.57	283465	25.0
Benzene, 1,3-dime...	15.00	8.2	ug/L	92815	3	13.57	283465	25.0
unknown-05	15.36	4.7	ug/L	52814	3	13.57	283465	25.0
unknown-06	15.49	5.8	ug/L	66002	3	13.57	283465	25.0
(DEL) Alkane: Str...	16.04	6.5	ug/L	74084	3	13.57	283465	25.0
unknown-07	16.47	1.6	ug/L	18409	3	13.57	283465	25.0