LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080520\
Data File : VW016040.D
Acq On : 05 Aug 2020 13:43
Operator : SY/VA
Sample : L3564-01
Misc : 6.63G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSM8

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\SOM2WLM072020S.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	2.361	65	75	85	rBV	57941	126160	0.15%	0.019%
2	2.897	156	163	176	rBV	42643	109976	0.13%	0.016%
3	4.031	335	349	361	rBV	93130	328293	0.38%	0.048%
4	4.123	361	364	378	rVB	10818	31858	0.04%	0.005%
5	4.397	401	409	417	rBV2	1830	5695	0.01%	0.001%
6	4.928	485	496	497	rBV3	1923	3777	0.00%	0.001%
7	5.007	507	509	521	rVB5	759	2417	0.00%	0.000%
8	5.446	569	581	600	rVV2	9583	40292	0.05%	0.006%
9	5.958	662	665	674	rVB4	597	1343	0.00%	0.000%
10	7.092	841	851	854	rBV	17020	42083	0.05%	0.006%
11	7.183	854	866	893	rVB	2534650	9095413	10.56%	1.335%
12	7.665	934	945	964	rBV	115153	385728	0.45%	0.057%
13	7.951	983	992	995	rBV7	1653	4835	0.01%	0.001%
14	8.299	1037	1049	1074	rBV3	207681	877158	1.02%	0.129%
15	8.707	1112	1116	1117	rBV3	1566	1940	0.00%	0.000%
16	8.854	1131	1140	1165	rBV	212567	685680	0.80%	0.101%
17	9.110	1167	1182	1206	rBV	24897949	86108611	100.00%	12.640%
18	9.287	1206	1211	1232	rVB	125067	391141	0.45%	0.057%
19	9.640	1261	1269	1270	rBV6	547	1161	0.00%	0.000%
20	9.677	1270	1275	1283	rVB8	1459	3655	0.00%	0.001%
21	9.969	1317	1323	1324	rBV4	2224	3244	0.00%	0.000%
22	10.049	1327	1336	1358	rVB	69077	198119	0.23%	0.029%
23	10.225	1361	1365	1366	rBV3	1191	1306	0.00%	0.000%
24	10.341	1376	1384	1410	rBV2	190099	820866	0.95%	0.120%
25	10.591	1418	1425	1442	rBV	35280	116870	0.14%	0.017%
26	10.884	1458	1473	1474	rBV3	31091750	74824761	86.90%	10.983%
27	11.122	1509	1512	1518	rVB4	10535	13566	0.02%	0.002%
28	11.231	1525	1530	1536	rVB4	83948	150901	0.18%	0.022%
29	11.304	1537	1542	1550	rVB3	113099	266267	0.31%	0.039%
30	11.439	1560	1564	1574	rVB2	104856	224082	0.26%	0.033%
31	11.542	1574	1581	1594	rVB2	121210	297007	0.34%	0.044%
32	11.658	1594	1600	1606	rBV	413919	712948	0.83%	0.105%
33	11.731	1606	1612	1621	rVB2	138762	319963	0.37%	0.047%
34	11.859	1626	1633	1636	rBV2	91349	199445	0.23%	0.029%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080520\
Data File : VW016040.D
Acq On : 05 Aug 2020 13:43
Operator : SY/VA
Sample : L3564-01
Misc : 6.63G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSM8

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\SOM2WLM072020S.M
Title : VOC Analysis

35	11.890	1636	1638	1644	rVB	91776	135436	0.16%	0.020%
36	11.951	1644	1648	1650	rBV5	11171	16617	0.02%	0.002%
37	11.993	1651	1655	1657	rBV4	16931	26962	0.03%	0.004%
38	12.030	1657	1661	1667	rVB	143760	246357	0.29%	0.036%
39	12.121	1667	1676	1683	rBV2	201990	482635	0.56%	0.071%
40	12.243	1690	1696	1703	rVB7	18328	48818	0.06%	0.007%
41	12.323	1703	1709	1712	rBV3	27030	58027	0.07%	0.009%
42	12.384	1712	1719	1724	rVB5	129270	282128	0.33%	0.041%
43	12.451	1724	1730	1733	rBV2	1106567	1992882	2.31%	0.293%
44	12.487	1733	1736	1740	rVB	922727	1314668	1.53%	0.193%
45	12.536	1740	1744	1753	rVB2	640160	1050732	1.22%	0.154%
46	12.640	1753	1761	1765	rBV5	126922	269398	0.31%	0.040%
47	12.701	1765	1771	1775	rBV	2085362	3875541	4.50%	0.569%
48	12.792	1783	1786	1790	rVB	139203	198617	0.23%	0.029%
49	12.841	1790	1794	1795	rBV	58487	74344	0.09%	0.011%
50	12.883	1795	1801	1803	rVV	1323882	2344455	2.72%	0.344%
51	12.920	1803	1807	1812	rVV2	3265838	6506864	7.56%	0.955%
52	12.963	1812	1814	1822	rVB4	1098124	1802123	2.09%	0.265%
53	13.066	1822	1831	1843	rVB2	14104081	28023779	32.54%	4.114%
54	13.176	1843	1849	1857	rBV3	284423	652023	0.76%	0.096%
55	13.261	1857	1863	1873	rVB	3253529	5492012	6.38%	0.806%
56	13.402	1873	1886	1891	rBV3	2348411	4711379	5.47%	0.692%
57	13.481	1891	1899	1909	rVV2	22760779	50413429	58.55%	7.400%
58	13.597	1909	1918	1924	rVV	8520715	13920948	16.17%	2.043%
59	13.658	1924	1928	1933	rVB	423340	659125	0.77%	0.097%
60	13.731	1933	1940	1941	rBV2	7553048	11282944	13.10%	1.656%
61	13.761	1941	1945	1948	rVV2	17263038	30769488	35.73%	4.517%
62	13.798	1948	1951	1962	rVV2	23707505	47797021	55.51%	7.016%
63	13.895	1962	1967	1971	rVV	1602843	2583114	3.00%	0.379%
64	13.956	1971	1977	1982	rVV	9153593	14272895	16.58%	2.095%
65	14.017	1982	1987	1990	rVV	16183220	28351467	32.93%	4.162%
66	14.048	1990	1992	1997	rVV	16057411	23465381	27.25%	3.444%
67	14.109	1997	2002	2008	rVV	27160433	46721820	54.26%	6.858%
68	14.170	2008	2012	2013	rVV	740129	947741	1.10%	0.139%
69	14.206	2013	2018	2024	rVV2	5226922	9842812	11.43%	1.445%
70	14.255	2024	2026	2028	rVV	452590	602719	0.70%	0.088%
71	14.286	2028	2031	2035	rVV3	570704	981932	1.14%	0.144%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080520\
Data File : VW016040.D
Acq On : 05 Aug 2020 13:43
Operator : SY/VA
Sample : L3564-01
Misc : 6.63G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSM8

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\SOM2WLM072020S.M
Title : VOC Analysis

72	14.340	2035	2040	2046	rVV	9264385	15029133	17.45%	2.206%
73	14.426	2046	2054	2057	rVV	19326185	33449957	38.85%	4.910%
74	14.469	2057	2061	2065	rVV	25001825	41831097	48.58%	6.140%
75	14.505	2065	2067	2071	rVV	4210166	5667744	6.58%	0.832%
76	14.548	2071	2074	2081	rVV	2166883	3627492	4.21%	0.532%
77	14.609	2081	2084	2087	rVV	694391	1094041	1.27%	0.161%
78	14.645	2087	2090	2093	rVV	1221998	1776221	2.06%	0.261%
79	14.694	2093	2098	2102	rVV	9827523	15781579	18.33%	2.317%
80	14.737	2102	2105	2109	rVV	2537395	3531094	4.10%	0.518%
81	14.810	2109	2117	2123	rVV3	14392714	35256325	40.94%	5.175%
82	14.859	2123	2125	2132	rVB	1432059	1896093	2.20%	0.278%
83	14.962	2138	2142	2145	rBV	219862	375253	0.44%	0.055%
84	15.072	2154	2160	2172	rVB	724069	1617555	1.88%	0.237%
85	15.170	2172	2176	2185	rVB	125952	241672	0.28%	0.035%
86	15.255	2185	2190	2195	rBV2	46269	76627	0.09%	0.011%
87	15.310	2196	2199	2203	rBV4	10046	13460	0.02%	0.002%
88	15.371	2203	2209	2216	rVB	477704	825665	0.96%	0.121%
89	15.438	2216	2220	2223	rBV2	42061	65792	0.08%	0.010%
90	15.487	2223	2228	2249	rVB4	75979	210066	0.24%	0.031%
91	15.706	2261	2264	2267	rBV2	6874	11486	0.01%	0.002%
92	15.755	2269	2272	2279	rVB	12476	22138	0.03%	0.003%
93	15.883	2287	2293	2299	rBV2	20305	42399	0.05%	0.006%
94	15.968	2301	2307	2312	rVV	32805	62647	0.07%	0.009%
95	16.047	2315	2320	2336	rVB4	11748	38998	0.05%	0.006%
96	16.182	2337	2342	2349	rBV2	15040	28760	0.03%	0.004%
97	16.438	2378	2384	2390	rBV7	6226	16247	0.02%	0.002%
98	16.493	2390	2393	2397	rVB6	3555	6058	0.01%	0.001%
99	16.608	2407	2412	2416	rBV5	5365	12367	0.01%	0.002%
100	16.730	2426	2432	2441	rVB4	10467	25842	0.03%	0.004%

Sum of corrected areas: 681249002

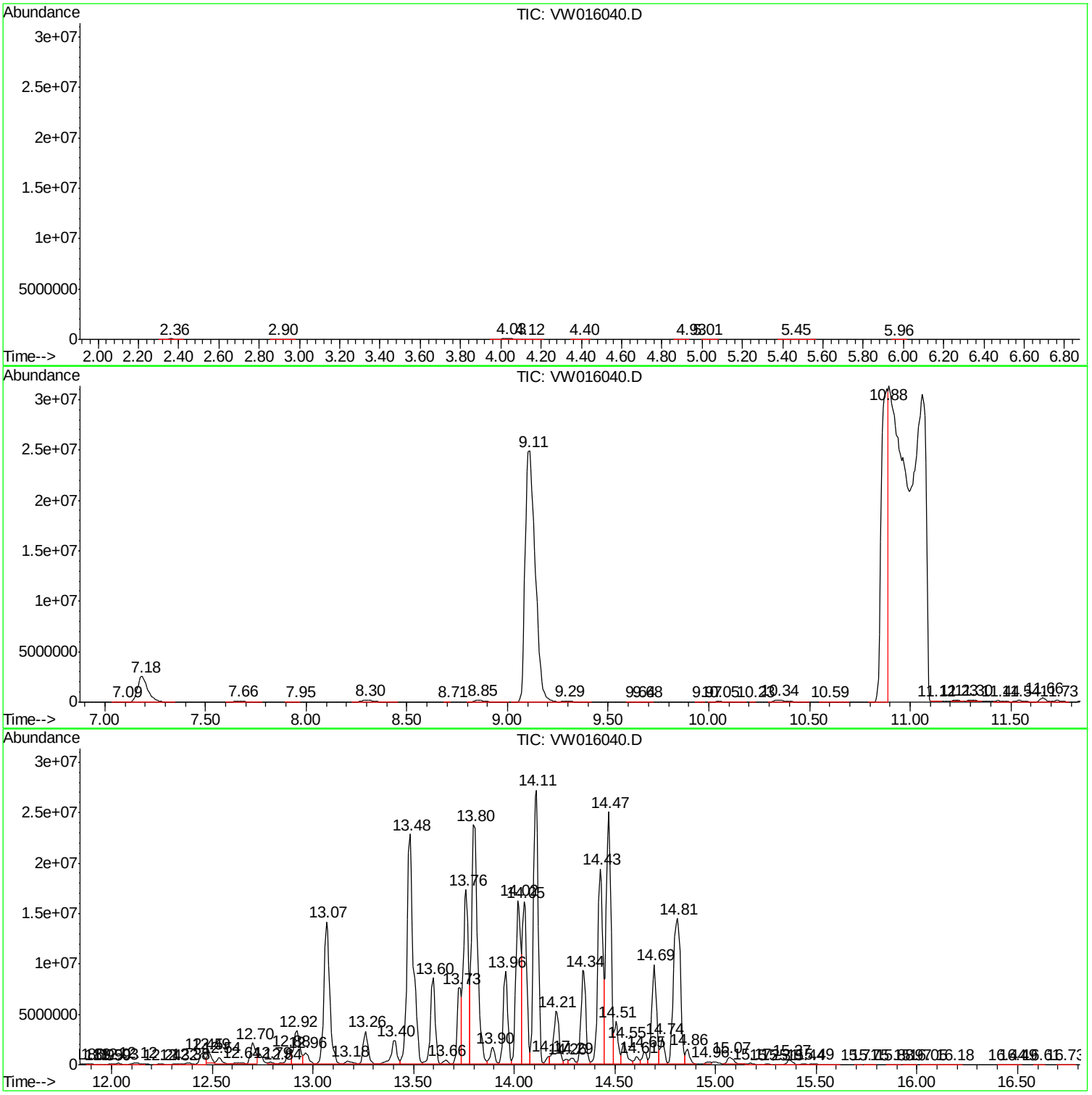
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080520\
Data File : VW016040.D
Acq On : 05 Aug 2020 13:43
Operator : SY/VA
Sample : L3564-01
Misc : 6.63G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSM8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.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\VW080520\
Data File : VW016040.D
Acq On : 05 Aug 2020 13:43
Operator : SY/VA
Sample : L3564-01
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSM8

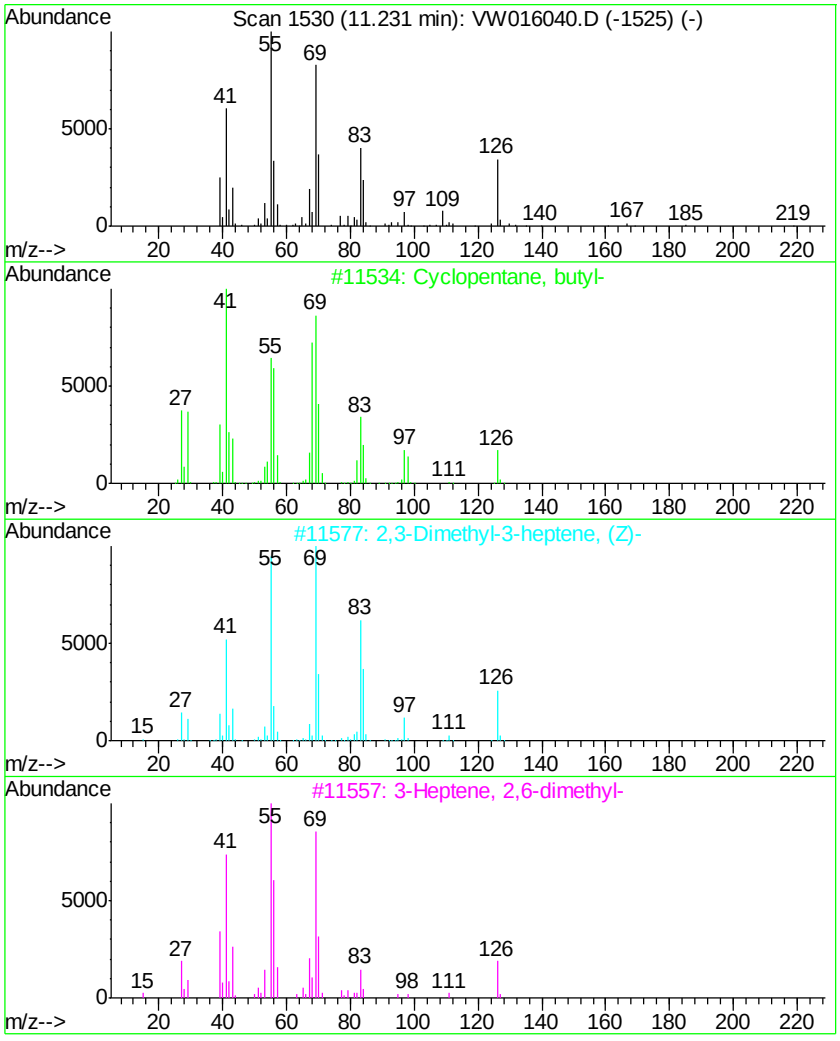
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

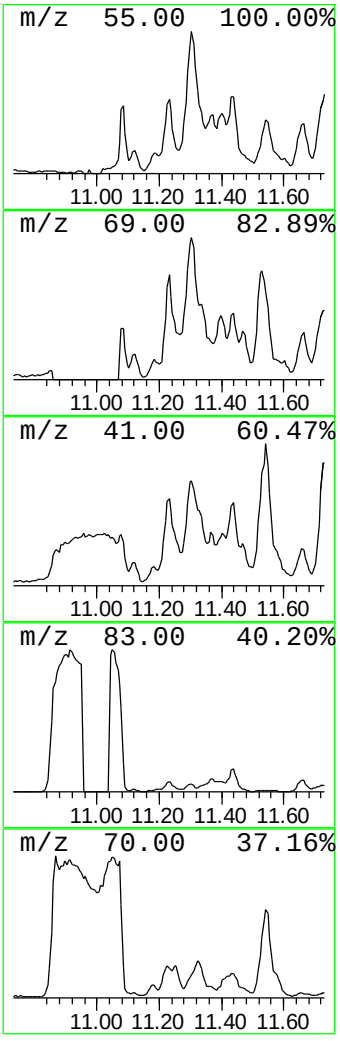
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Cyclic11.23 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	5.29 ug/L	150901	Chlorobenzene-d5	11.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, butyl-	126	C9H18	002040-95-1	72
2	2,3-Dimethyl-3-heptene, (Z)-	126	C9H18	059643-73-1	59
3	3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	53
4	2,3-Dimethyl-3-heptene	126	C9H18	1000113-49-3	49
5	1-Pentene, 3-methyl-	84	C6H12	000760-20-3	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080520\
Data File : VW016040.D
Acq On : 05 Aug 2020 13:43
Operator : SY/VA
Sample : L3564-01
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSM8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

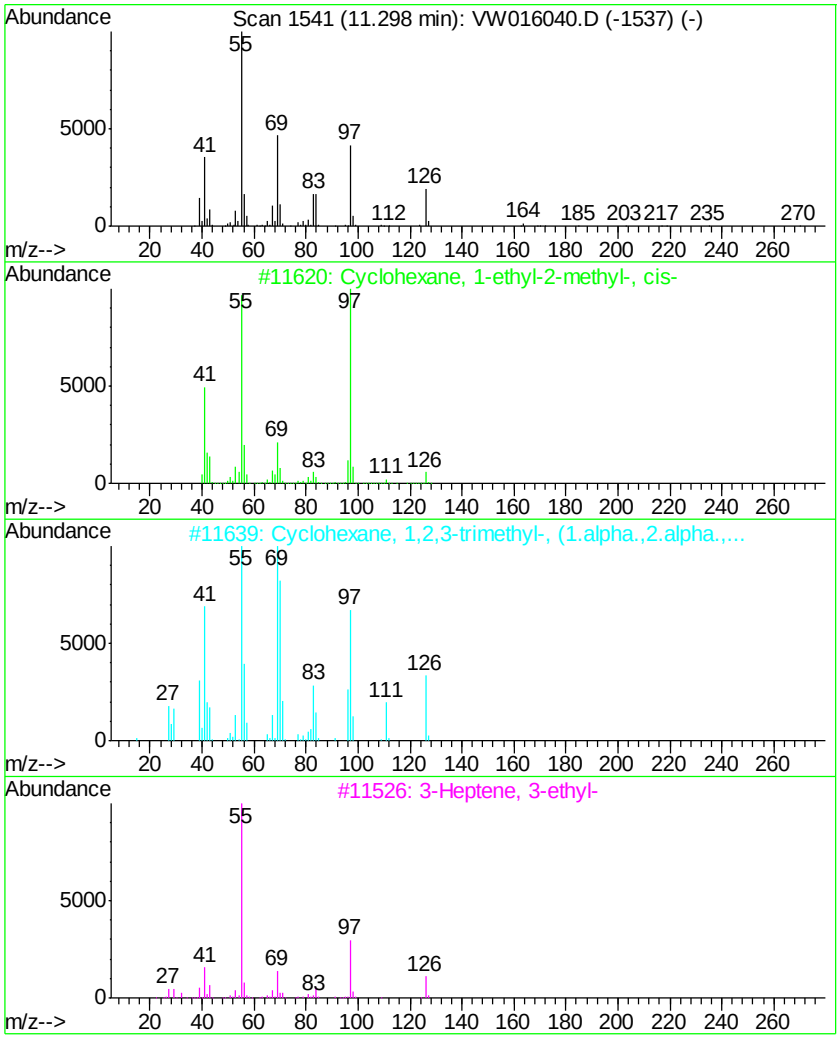
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

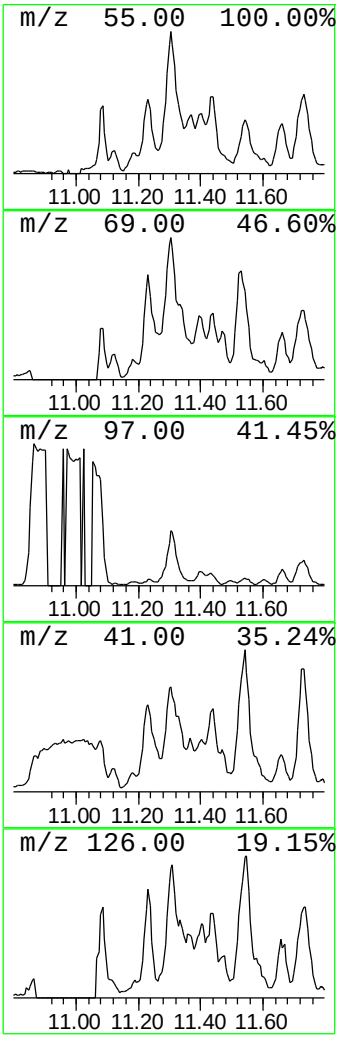
****

Peak Number 3 (DEL) Alkane: Cyclic11.30 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	9.34 ug/L	266267	Chlorobenzene-d5	11.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	59
2	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001839-88-9	58
3	3-Heptene, 3-ethyl-	126	C9H18	074764-46-8	58
4	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	53
5	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080520\
Data File : VW016040.D
Acq On : 05 Aug 2020 13:43
Operator : SY/VA
Sample : L3564-01
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSM8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

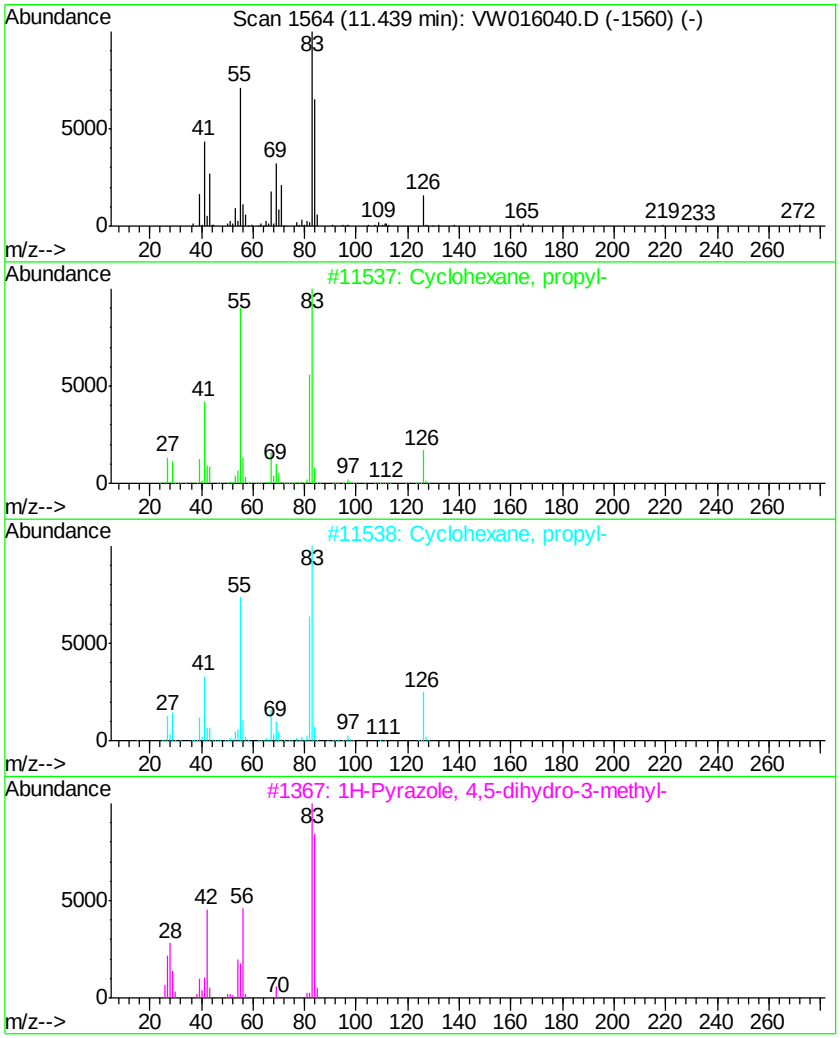
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

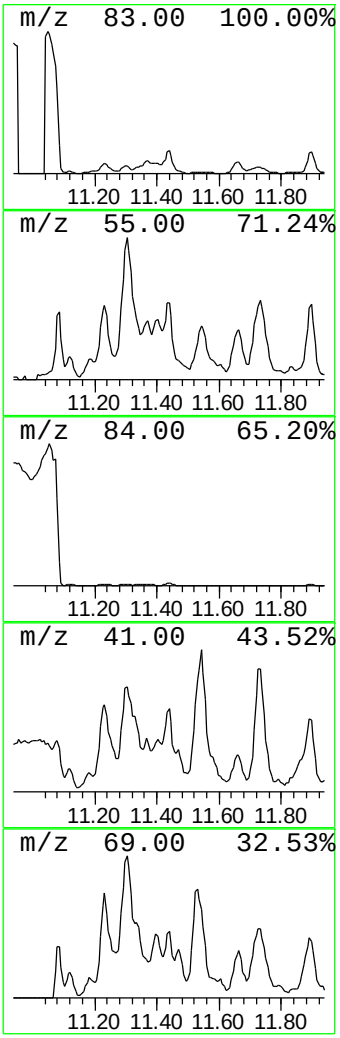
****

Peak Number 4 (DEL) Alkane: Cyclic11.44 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.44	7.86 ug/L	224082	Chlorobenzene-d5	11.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	50
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	50
3	1H-Pyrazole, 4,5-dihydro-3-methyl-	84	C4H8N2	001911-30-4	50
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	50
5	Ethanone, 1-(1-methylcyclopentyl)-	126	C8H14O	013388-93-7	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080520\
Data File : VW016040.D
Acq On : 05 Aug 2020 13:43
Operator : SY/VA
Sample : L3564-01
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSM8

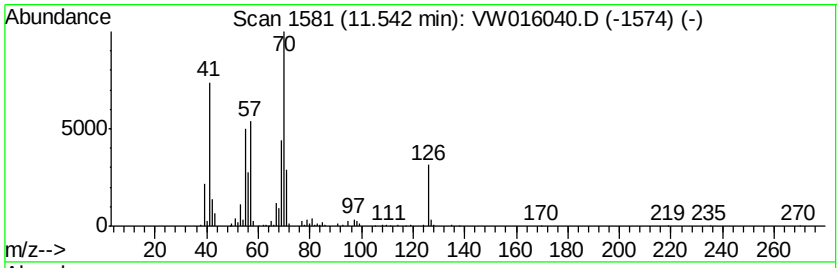
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

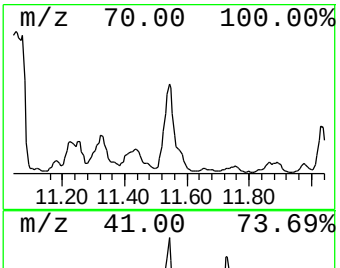
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.54	10.41 ug/L	297007	Chlorobenzene-d5	11.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 3-methylene-	196	C14H28	019780-34-8	59
2	Cyclopentane, 1,1,3,3-tetramethyl-	126	C9H18	050876-33-0	45
3	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	45
4	2,3-Dimethyl-1-hexene	112	C8H16	016746-86-4	42
5	Hexanal, 4-methyl-	114	C7H14O	041065-97-8	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080520\
Data File : VW016040.D
Acq On : 05 Aug 2020 13:43
Operator : SY/VA
Sample : L3564-01
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSM8

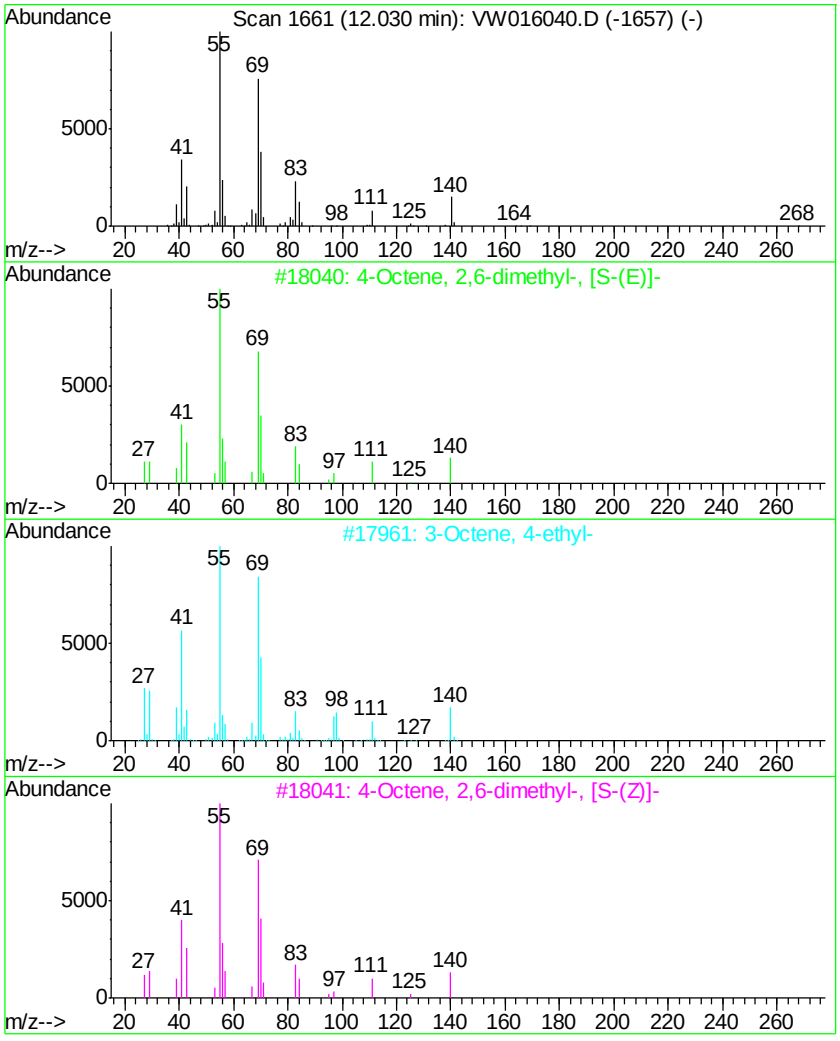
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

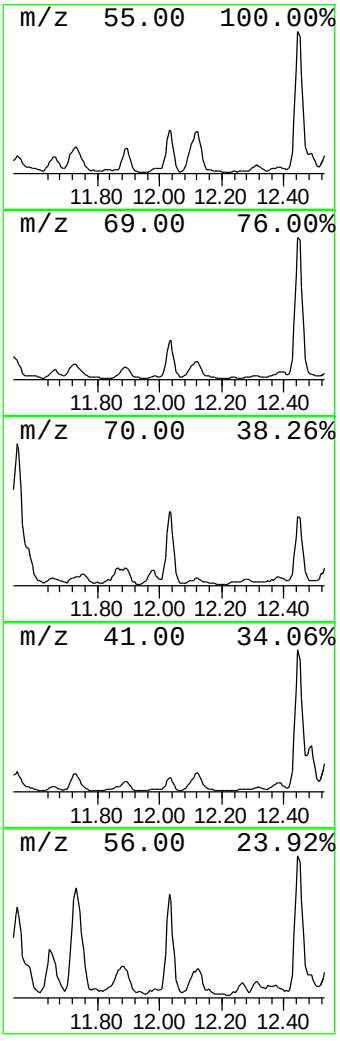
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	8.64 ug/L	246357	Chlorobenzene-d5	11.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	91
2	3-Octene, 4-ethyl-	140	C10H20	053966-51-1	80
3	4-Octene, 2,6-dimethyl-, [S-(Z)]-	140	C10H20	062960-77-4	72
4	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	72
5	4-Nonene, 5-methyl-	140	C10H20	015918-07-7	59





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Acq On : 05 Aug 2020 13:43
Operator : SY/VA
Sample : L3564-01
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSM8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

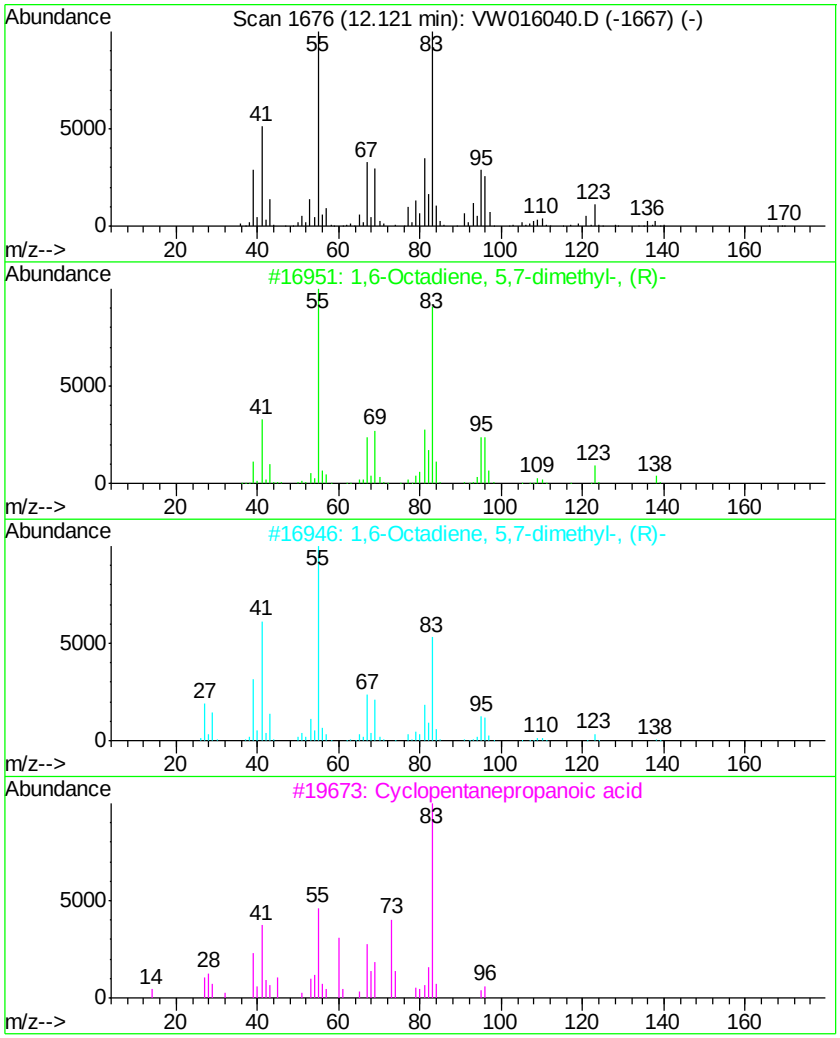
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

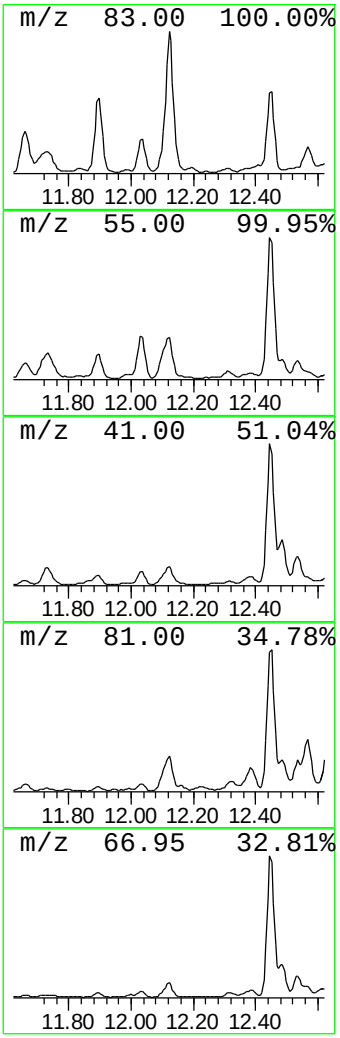
****

Peak Number 7 1,6-Octadiene, 5,7-dimethyl... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	16.92 ug/L	482635	Chlorobenzene-d5	11.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,6-Octadiene, 5,7-dimethyl-, (R)-	138	C10H18	085006-04-8	95
2	1,6-Octadiene, 5,7-dimethyl-, (R)-	138	C10H18	085006-04-8	94
3	Cyclopentanepropanoic acid	142	C8H14O2	000140-77-2	59
4	Methoxyacetic acid, cyclohexyl e...	172	C9H16O3	1000282-69-4	50
5	Bicyclo[3.1.1]heptan-2-one, 6,6-...	138	C9H14O	024903-95-5	50





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Sample : L3564-01
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSM8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

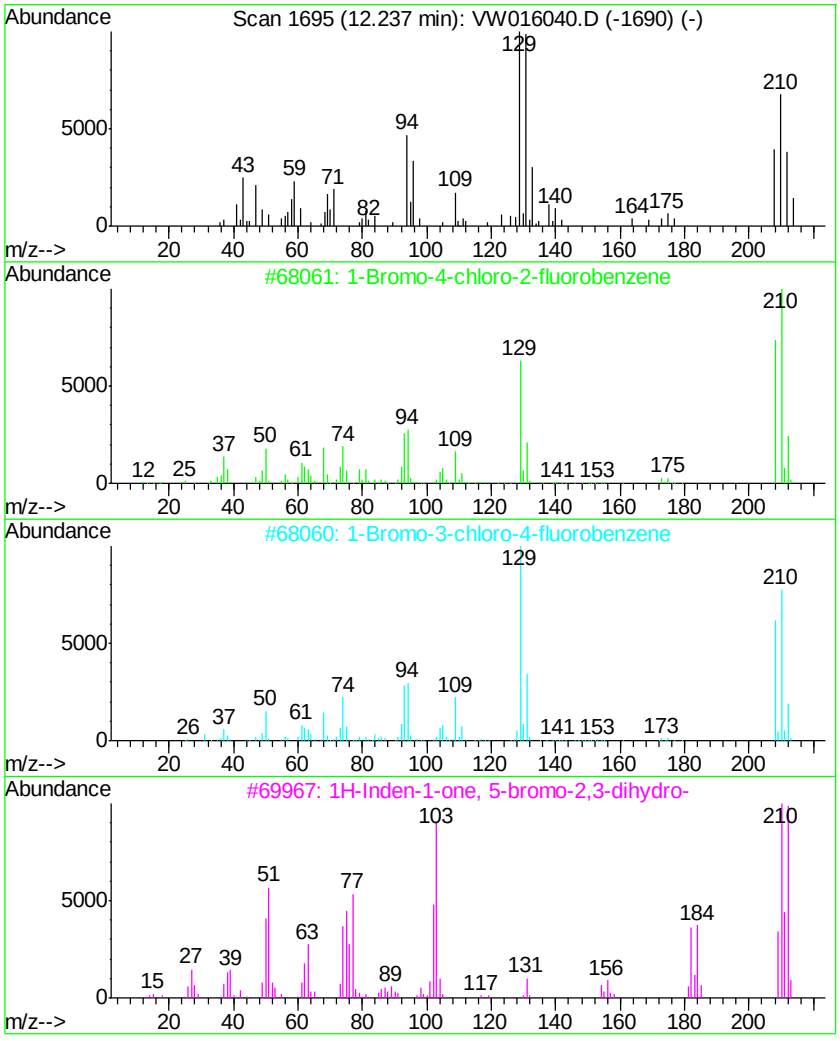
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

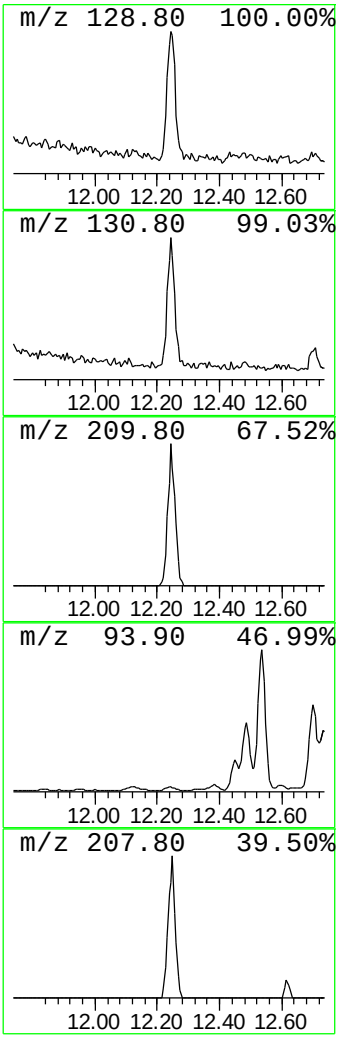
****

Peak Number 8 unknown-01 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	1.71 ug/L	48818	Chlorobenzene-d5	11.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Bromo-4-chloro-2-fluorobenzene	208	C6H3BrClF	1000342-41-3	37
2	1-Bromo-3-chloro-4-fluorobenzene	208	C6H3BrClF	060811-21-4	25
3	1H-Inden-1-one, 5-bromo-2,3-dihv...	210	C9H7BrO	034598-49-7	18
4	1,2,4-Triazin-5(2H)-one, 3,4-dih...	129	C3H3N3OS	000626-08-4	11
5	Adipic acid, di(3,3-dimethylbut-...	314	C18H34O4	1000353-68-4	10





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Operator : SY/VA
Sample : L3564-01
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSM8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

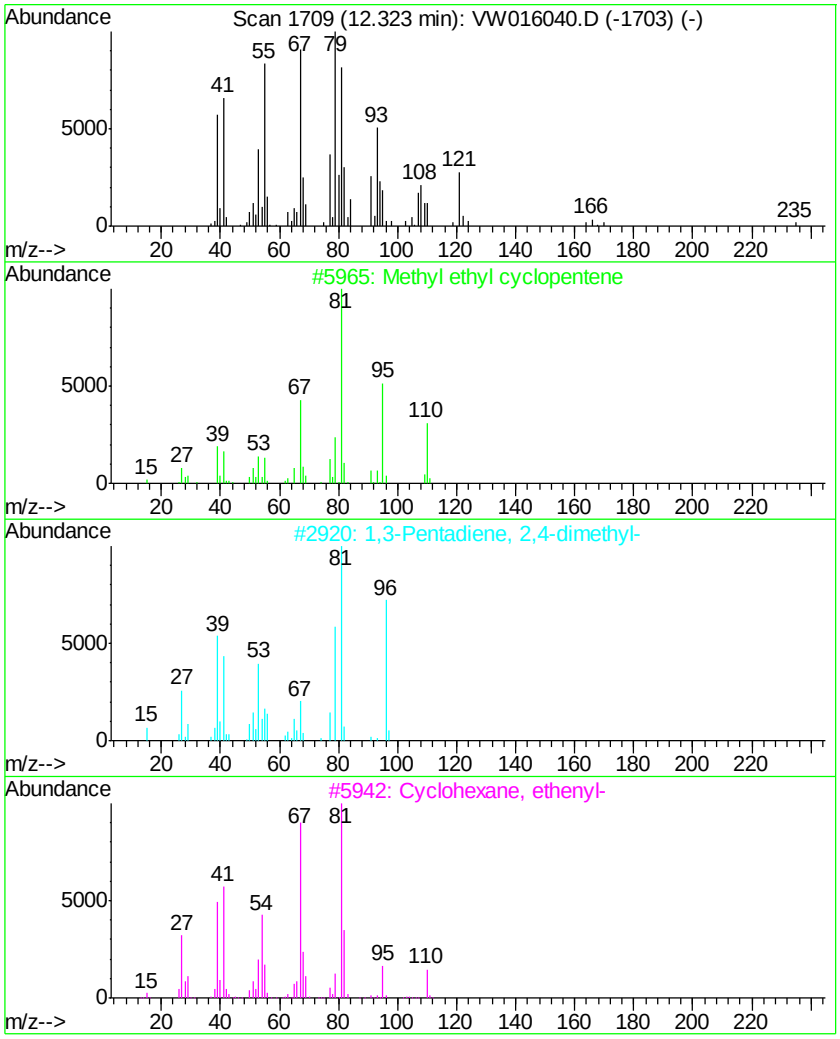
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

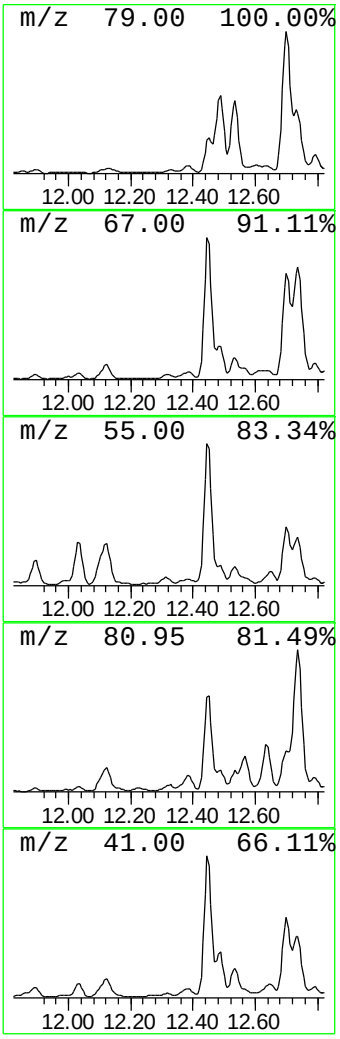
****

Peak Number 9 Methyl ethyl cyclopentene Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	2.03 ug/L	58027	Chlorobenzene-d5	11.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl ethyl cyclopentene	110	C8H14	019780-56-4	50
2	1,3-Pentadiene, 2,4-dimethyl-	96	C7H12	001000-86-8	43
3	Cyclohexane, ethenyl-	110	C8H14	000695-12-5	38
4	Bicyclo[2.1.0]pentane	68	C5H8	000185-94-4	35
5	1-Heptyne	96	C7H12	000628-71-7	35





Library Search Compound Report

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Operator : SY/VA
Sample : L3564-01
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSM8

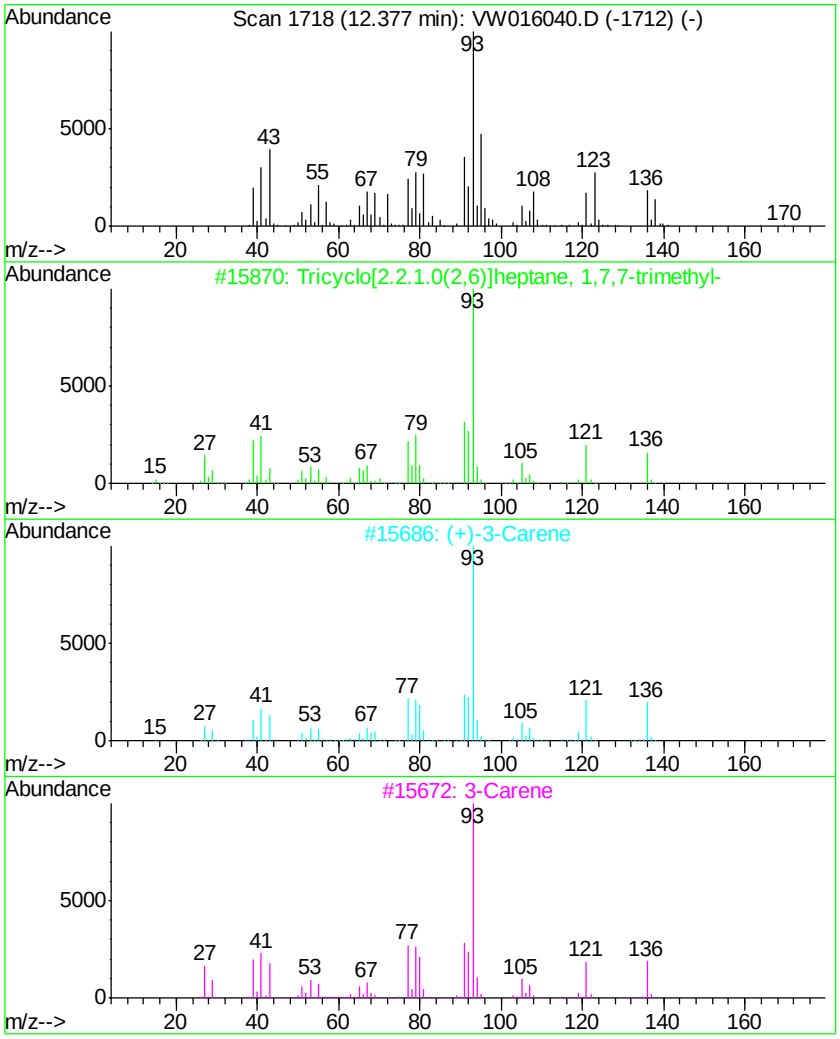
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

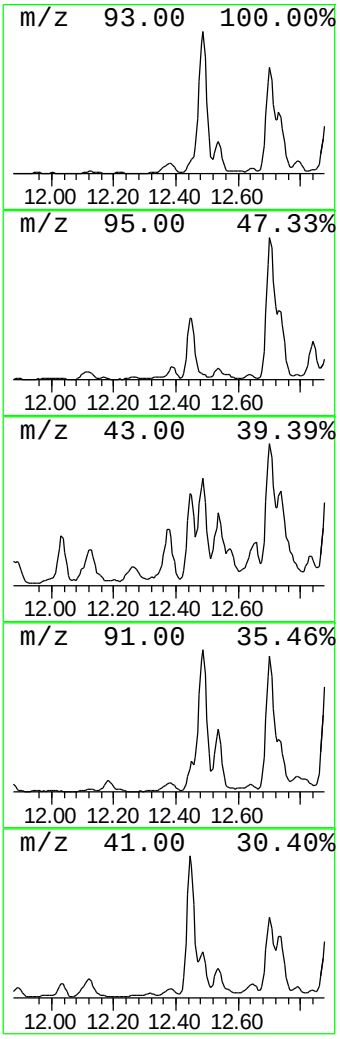
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Tricyclo[2.2.1.0(2,6)]hepta... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	9.89 ug/L	282128	Chlorobenzene-d5	11.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	78
2	(+)-3-Carene	136	C10H16	000498-15-7	78
3	3-Carene	136	C10H16	013466-78-9	78
4	3-Carene	136	C10H16	013466-78-9	78
5	(1S)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-26-4	78





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Operator : SY/VA
Sample : L3564-01
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSM8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

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

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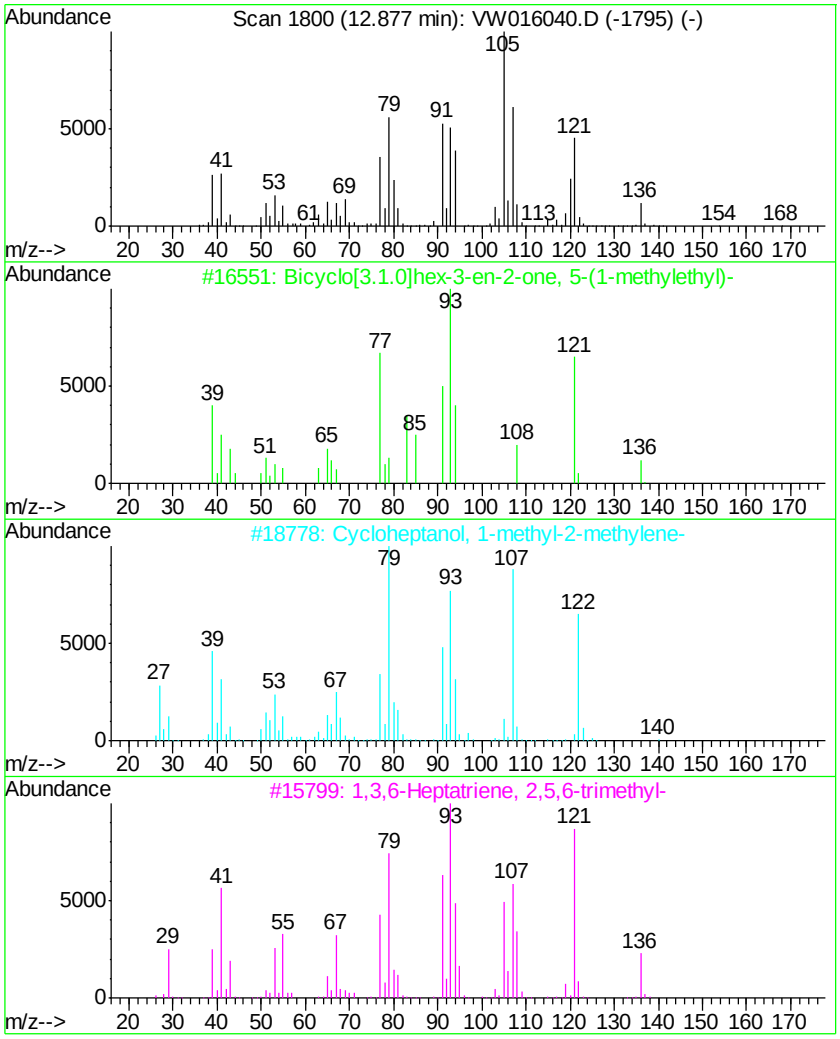
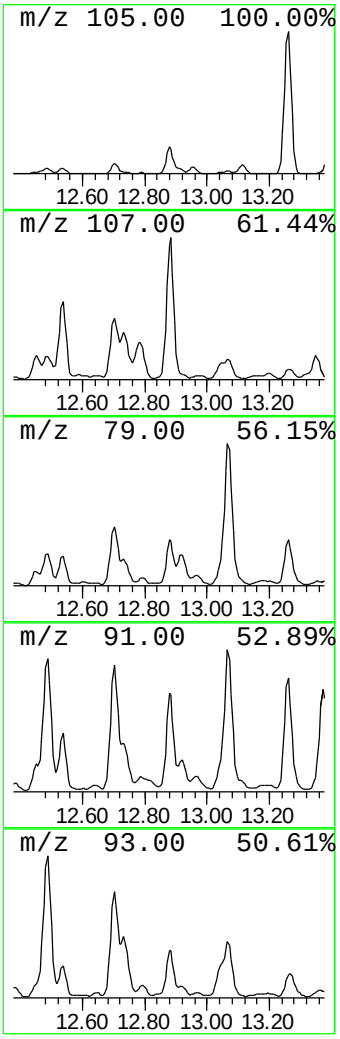
Peak Number 11 Bicyclo[3.1.0]hex-3-en-2-on... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.88	4.21 ug/L	2344460	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.0]hex-3-en-2-one, 5-...	136	C9H12O	036262-12-1	50
2	Cycloheptanol, 1-methyl-2-methyl...	140	C9H16O	1000163-97-5	49
3	1,3,6-Heptatriene, 2,5,6-trimethyl-	136	C10H16	042123-66-0	49
4	Cyclopentane, 1-ethenyl-3-methyl...	108	C8H12	029668-63-1	46
5	1,3,6-Heptatriene, 2,5,5-trimethyl-	136	C10H16	029548-02-5	46





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Acq On : 05 Aug 2020 13:43
Operator : SY/VA
Sample : L3564-01
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSM8

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Quant Title : VOC Analysis

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

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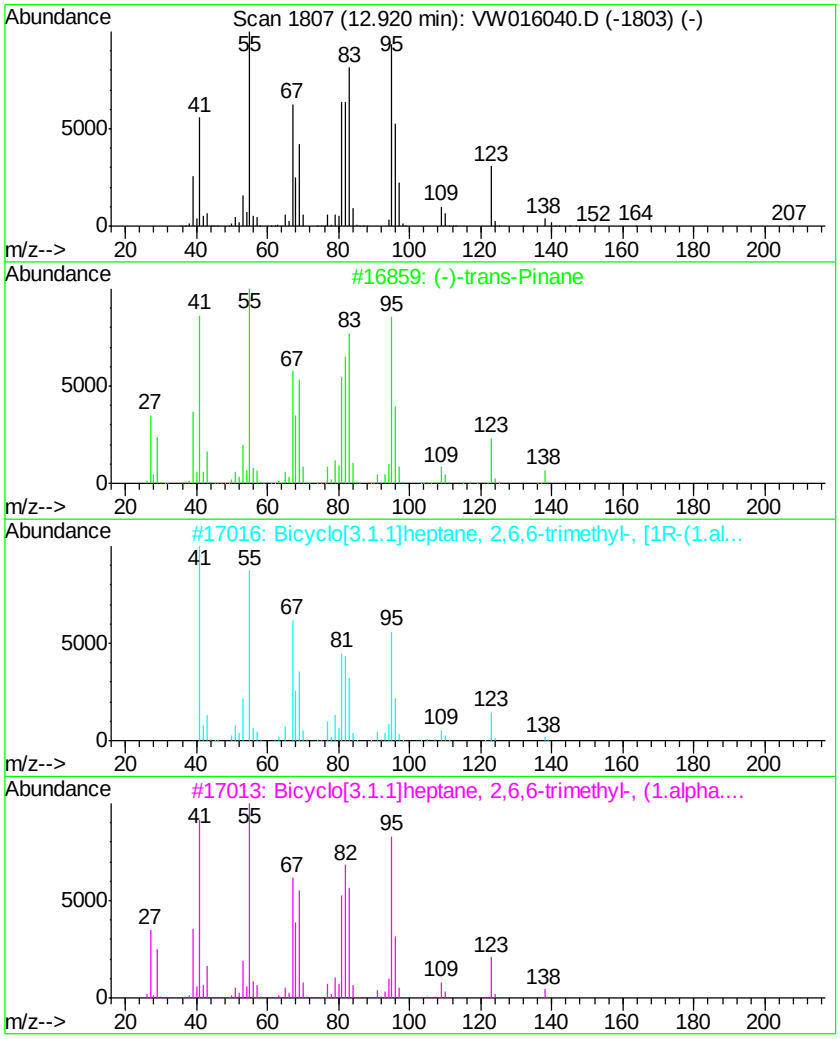
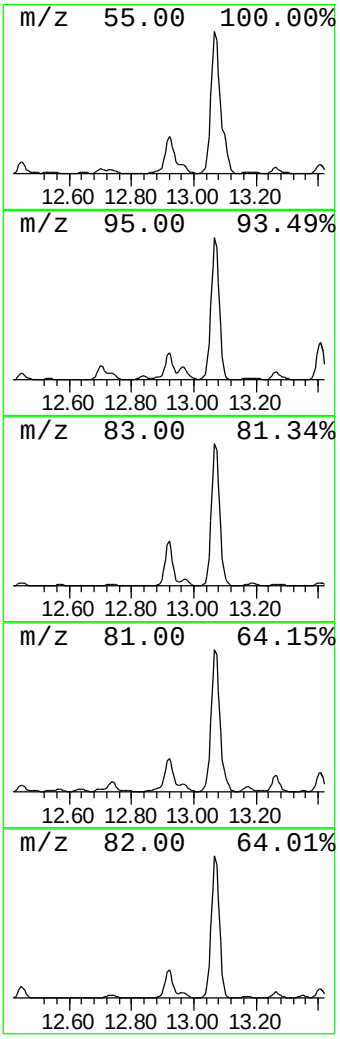
Peak Number 12 (-)-trans-Pinane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.92	11.69 ug/L	6506860	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(-)-trans-Pinane	138	C10H18	033626-25-4	81
2	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004795-86-2	76
3	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	006876-13-7	74
4	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	000473-55-2	64
5	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004863-59-6	53





Library Search Compound Report

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Operator : SY/VA
Sample : L3564-01
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSM8

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Quant Title : VOC Analysis

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

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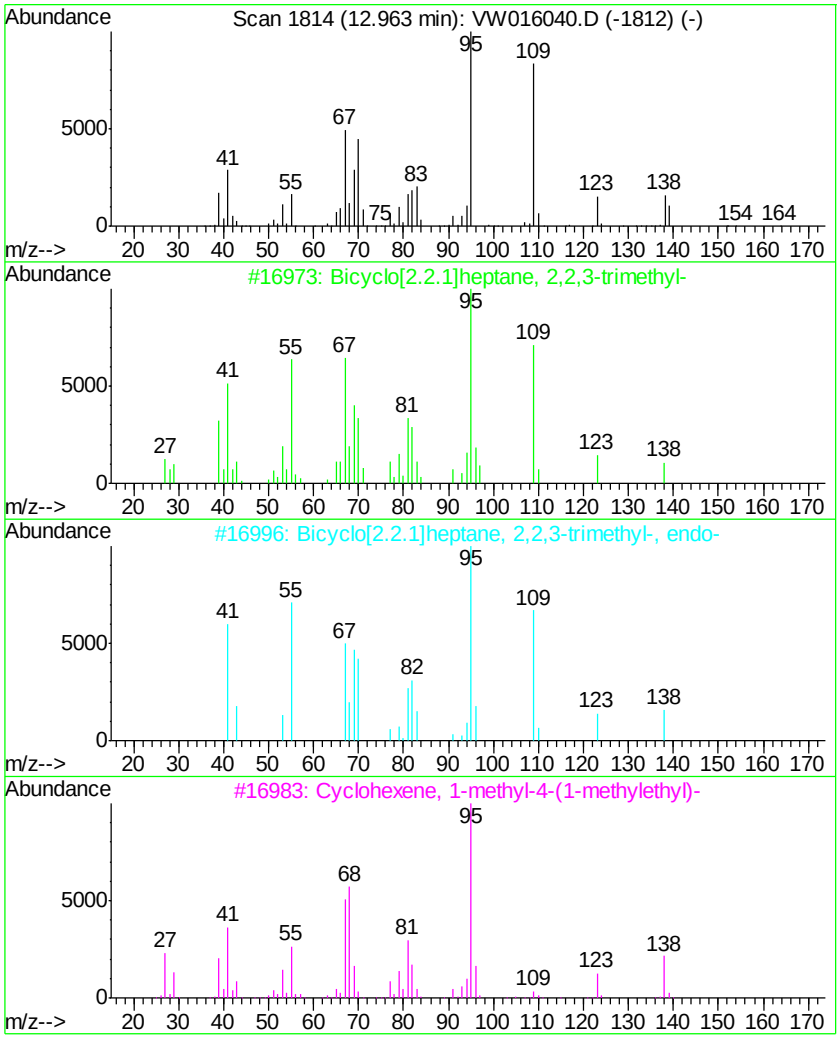
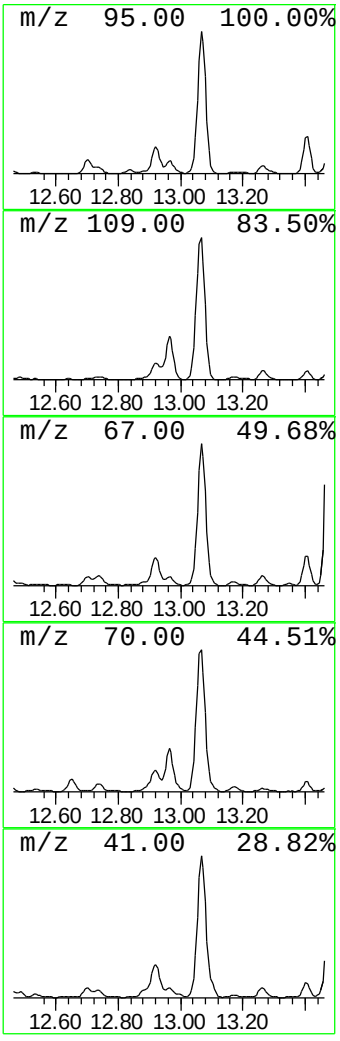
Peak Number 13 Bicyclo[2.2.1]heptane, 2,2,... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	3.24 ug/L	1802120	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	000473-19-8	91
2	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-40-7	86
3	Cyclohexene, 1-methyl-4-(1-methy...	138	C10H18	005502-88-5	43
4	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-41-8	38
5	Cyclohexene, 3-methyl-6-(1-methy...	138	C10H18	005256-65-5	38





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Sample : L3564-01
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSM8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

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

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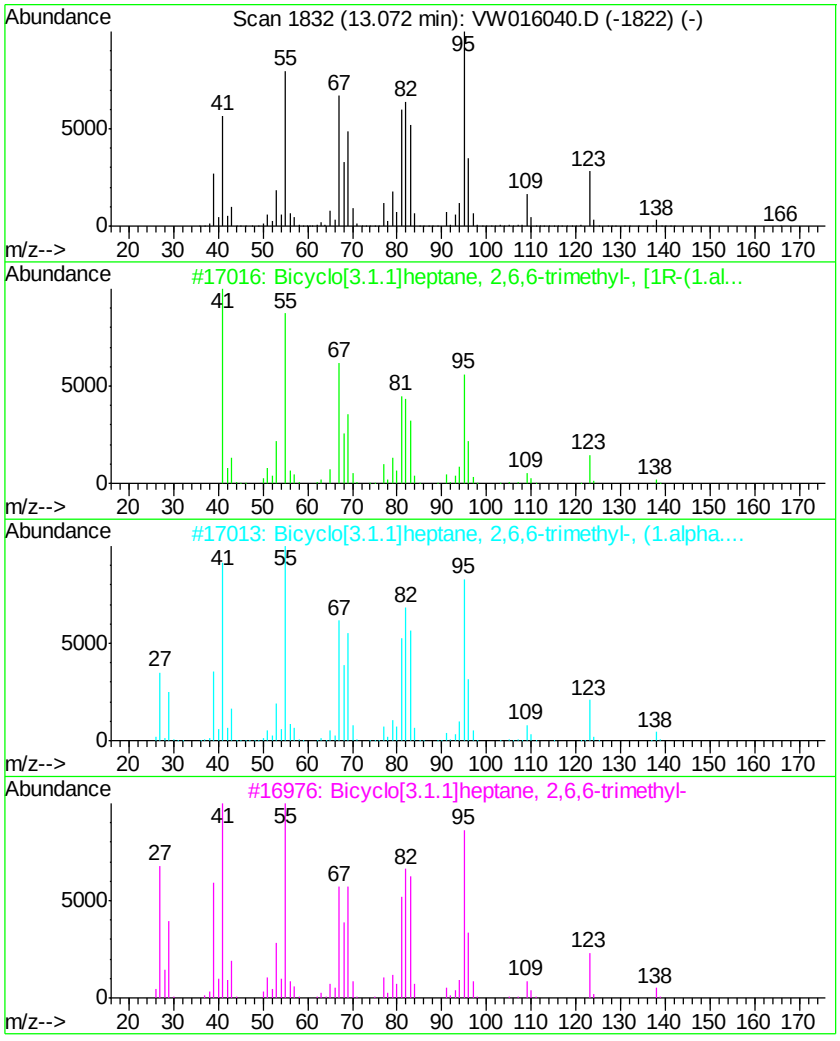
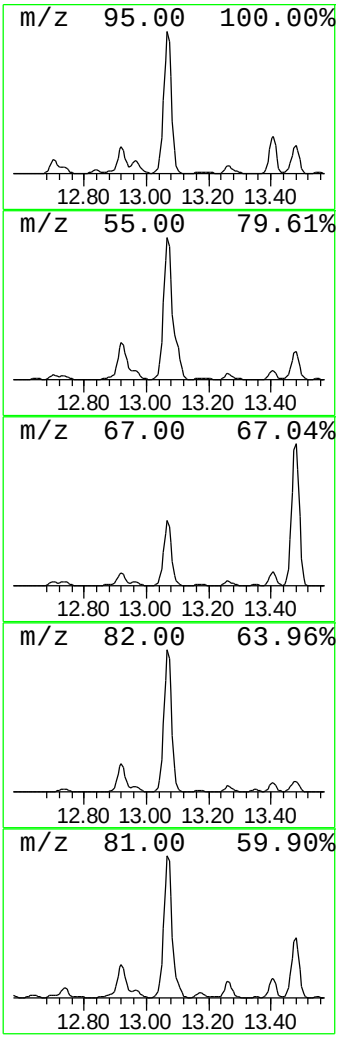
Peak Number 14 Bicyclo[3.1.1]heptane, 2,6,... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	50.33 ug/L	28023800	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004795-86-2	96
2	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	006876-13-7	93
3	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	000473-55-2	91
4	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	000473-55-2	87
5	(-)-trans-Pinane	138	C10H18	033626-25-4	50





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Sample : L3564-01
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSM8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

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

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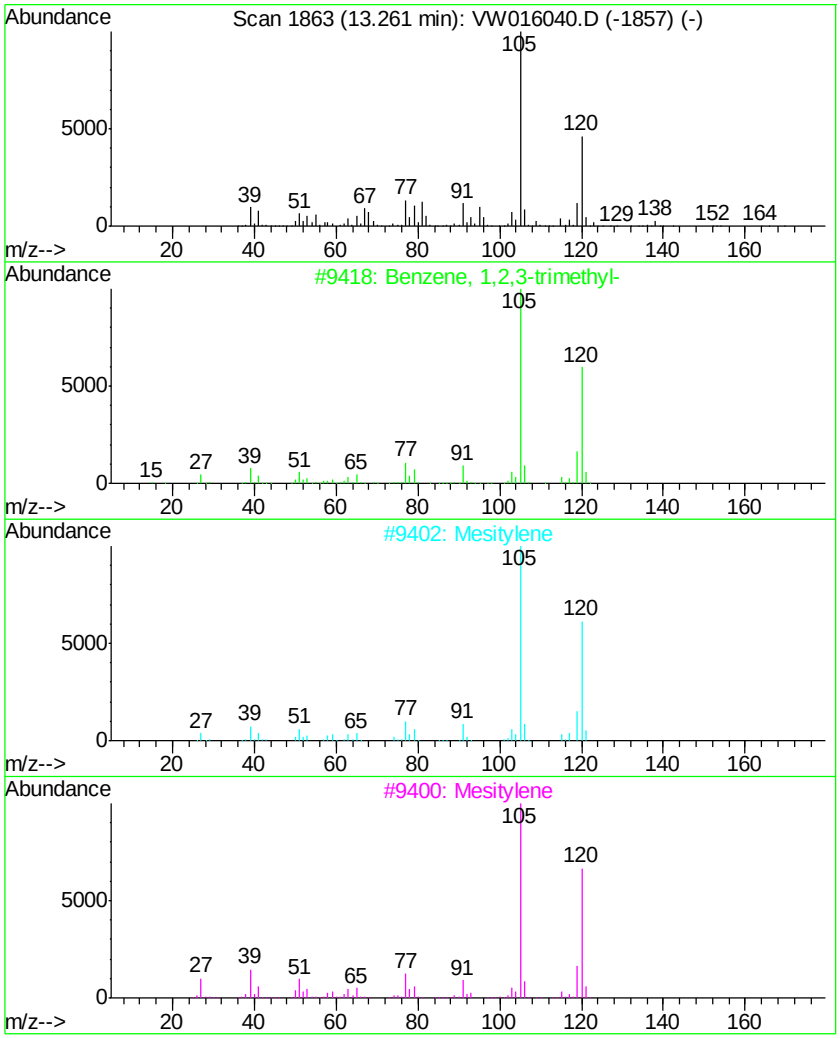
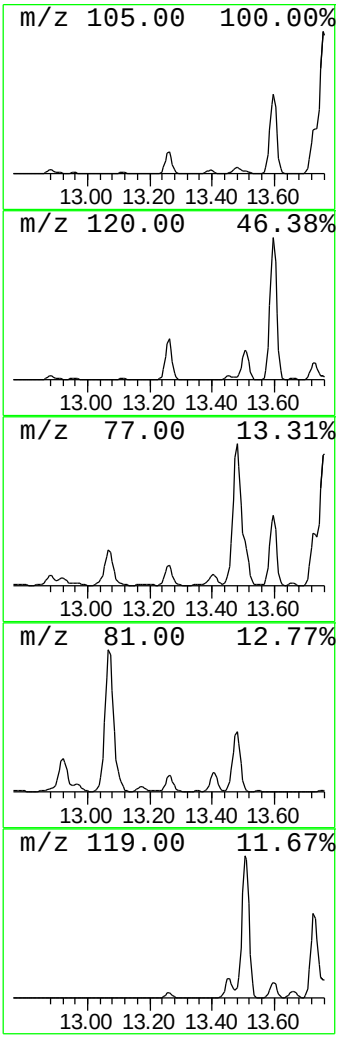
Peak Number 15 Benzene, 1,2,3-trimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	9.86 ug/L	5492010	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Mesitylene	120	C9H12	000108-67-8	94
3	Mesitylene	120	C9H12	000108-67-8	94
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93





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Operator : SY/VA
Sample : L3564-01
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSM8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

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

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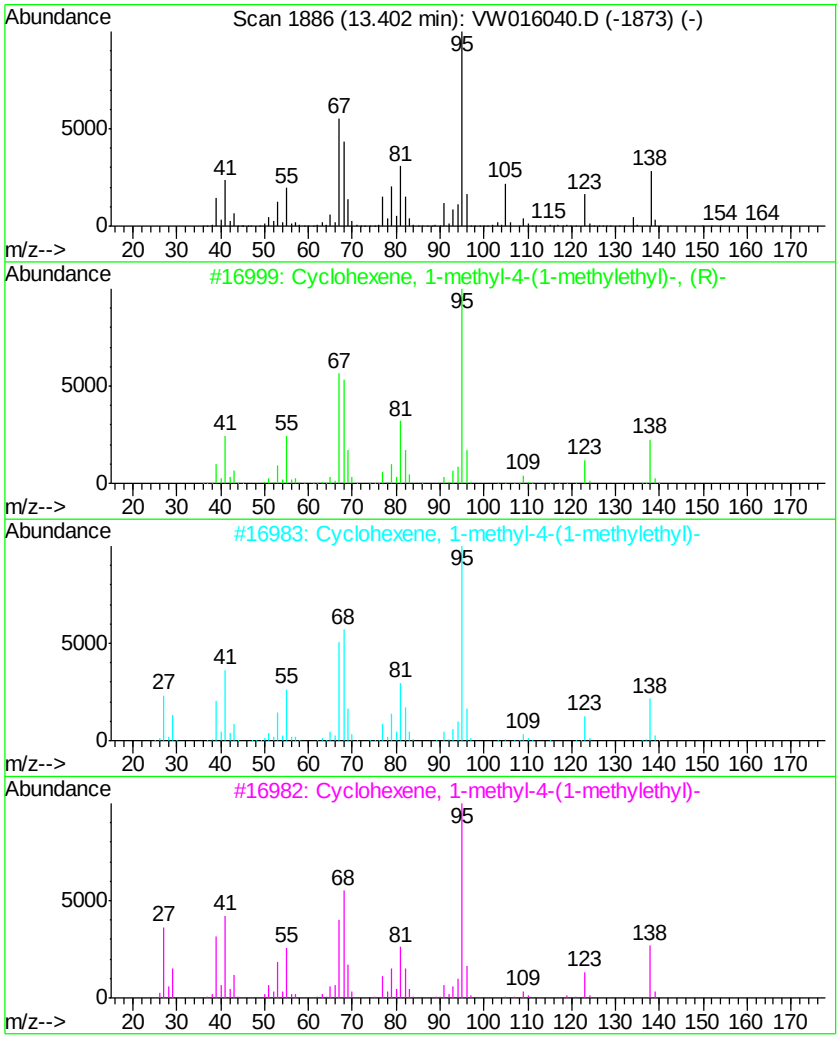
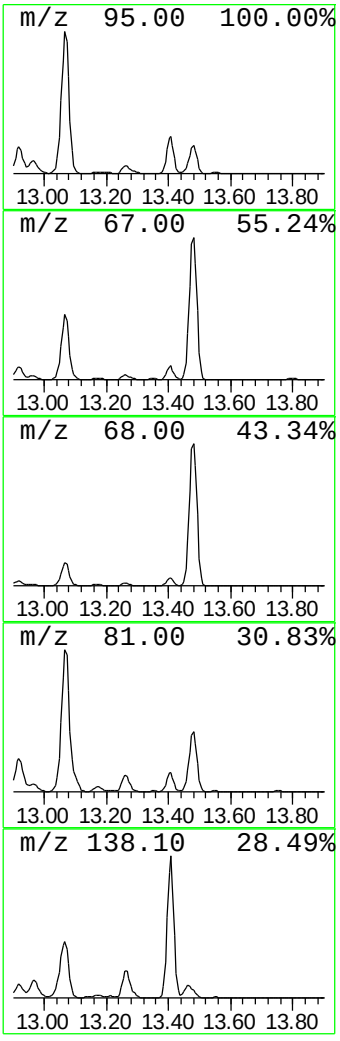
Peak Number 16 Cyclohexene, 1-methyl-4-(1-... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.40	8.46 ug/L	4711380	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-4-(1-methy...	138	C10H18	001195-31-9	95
2	Cyclohexene, 1-methyl-4-(1-methy...	138	C10H18	005502-88-5	91
3	Cyclohexene, 1-methyl-4-(1-methy...	138	C10H18	005502-88-5	89
4	Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	86
5	Cyclohexene, 3-methyl-6-(1-methy...	138	C10H18	005256-65-5	76





Library Search Compound Report

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Operator : SY/VA
Sample : L3564-01
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSM8

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Quant Title : VOC Analysis

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

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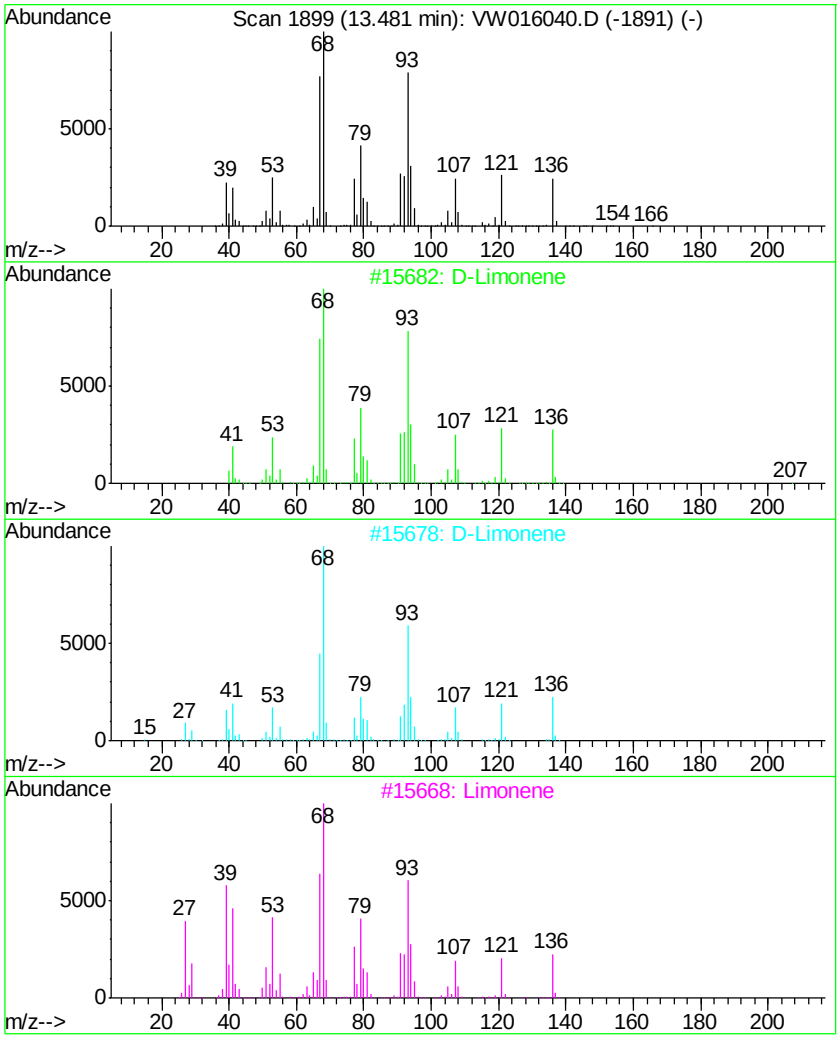
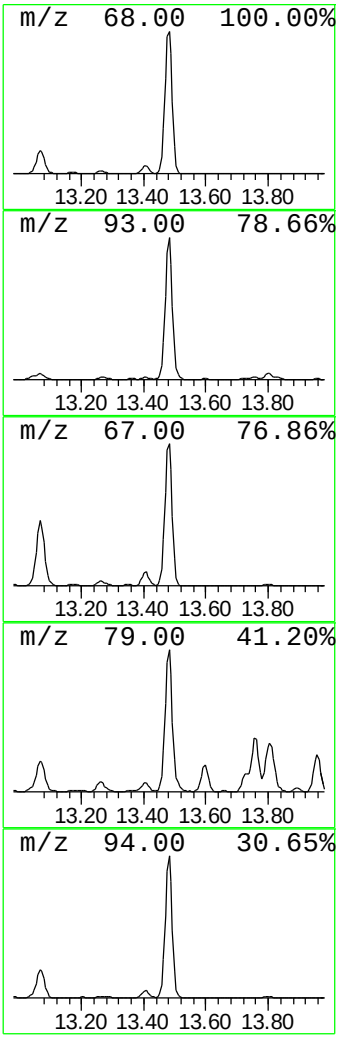
Peak Number 17 D-Limonene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	90.54 ug/L	50413400	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Limonene	136	C10H16	005989-27-5	99
2	D-Limonene	136	C10H16	005989-27-5	94
3	Limonene	136	C10H16	000138-86-3	94
4	D-Limonene	136	C10H16	005989-27-5	93
5	Limonene	136	C10H16	000138-86-3	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080520\
Data File : VW016040.D
Acq On : 05 Aug 2020 13:43
Operator : SY/VA
Sample : L3564-01
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSM8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

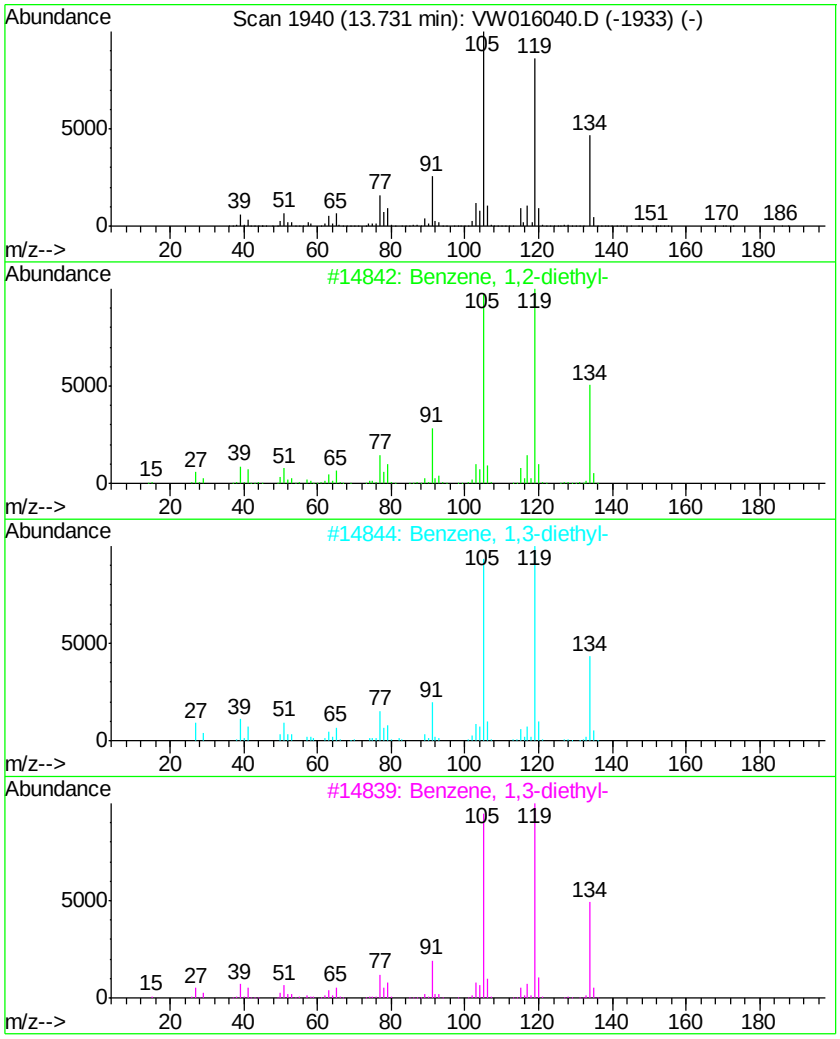
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

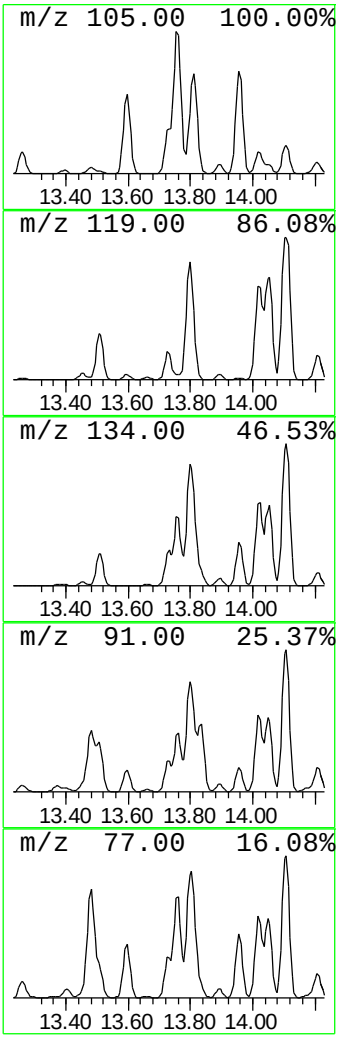
****

Peak Number 18 Benzene, 1,2-diethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	20.26 ug/L	11282900	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	97
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	97
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
4	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91





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Acq On : 05 Aug 2020 13:43
Operator : SY/VA
Sample : L3564-01
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSM8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

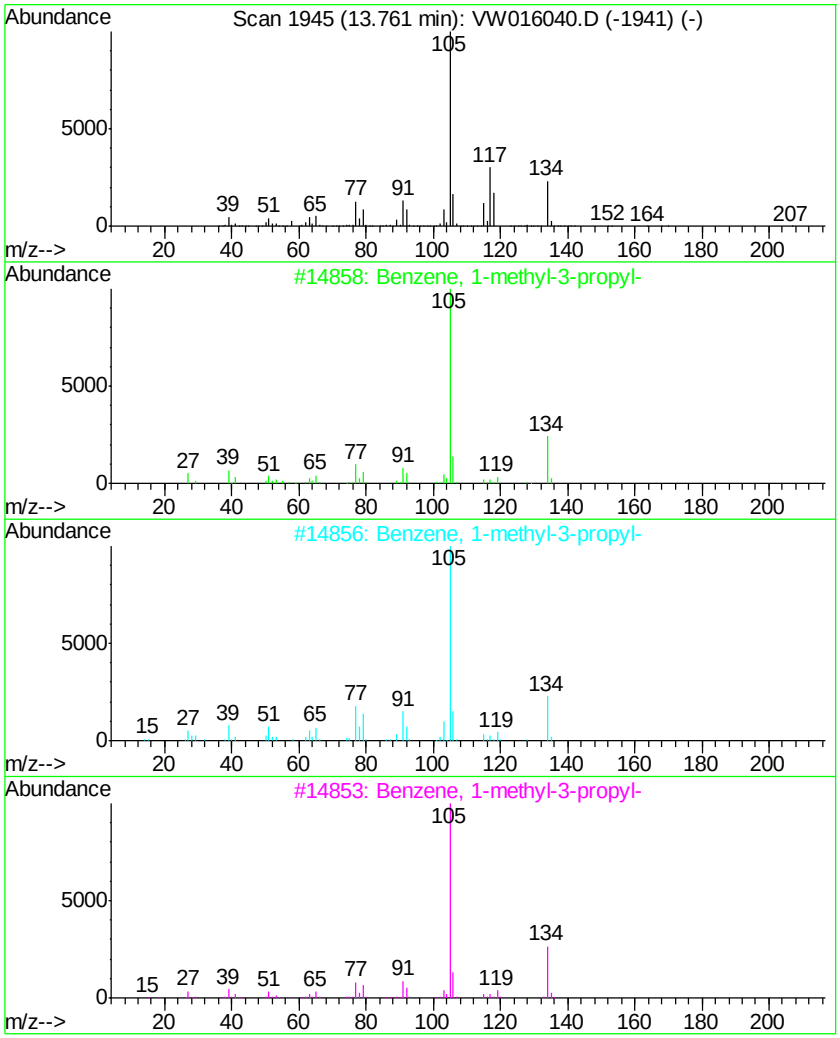
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

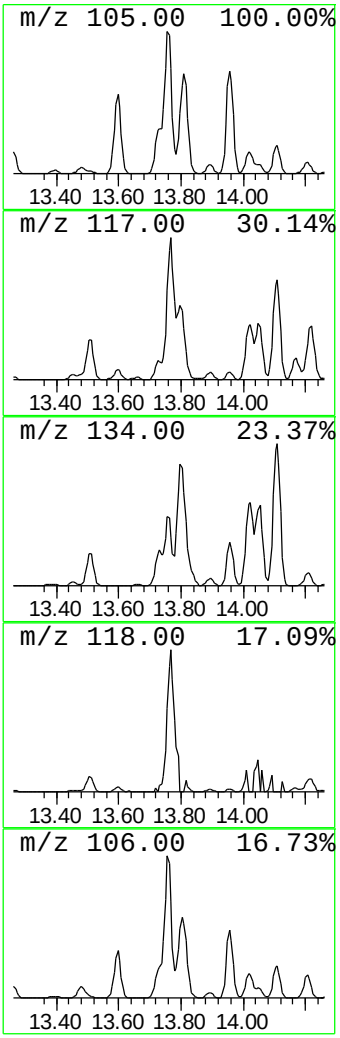
****

Peak Number 19 Benzene, 1-methyl-3-propyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	55.26 ug/L	30769500	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	64
2	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	64
3	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	58
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	53
5	2-Indanol	134	C9H10O	004254-29-9	52





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080520\
Data File : VW016040.D
Acq On : 05 Aug 2020 13:43
Operator : SY/VA
Sample : L3564-01
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSM8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

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

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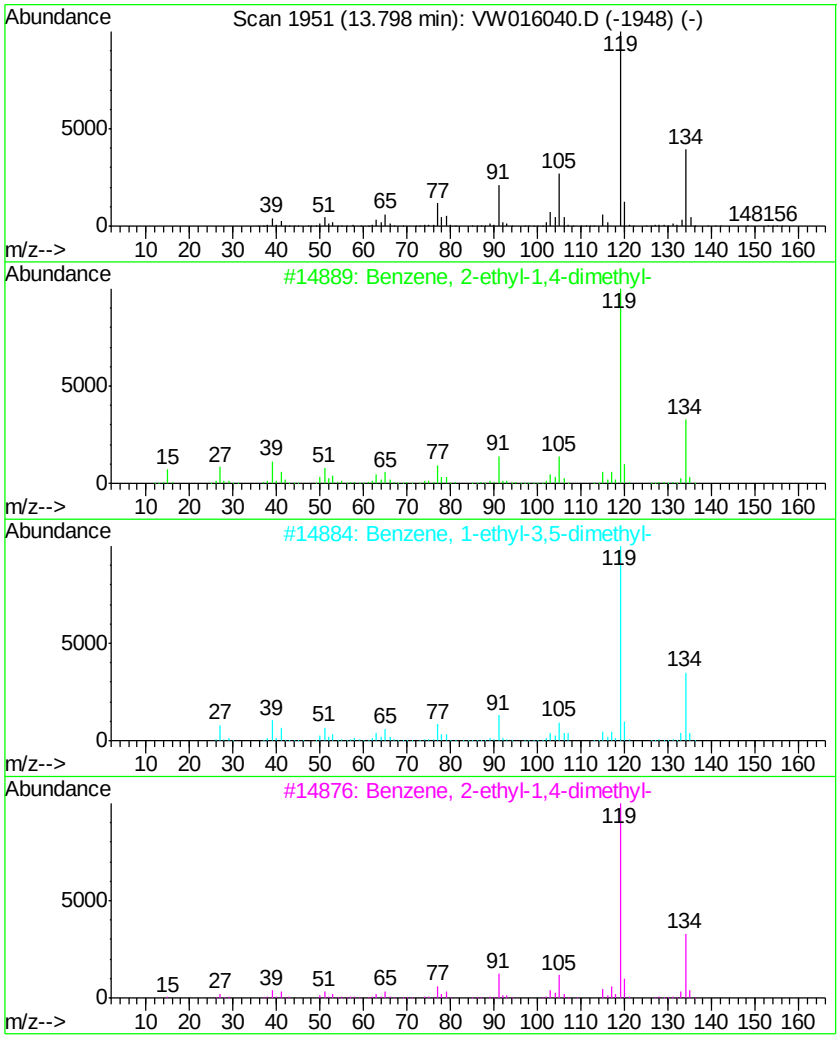
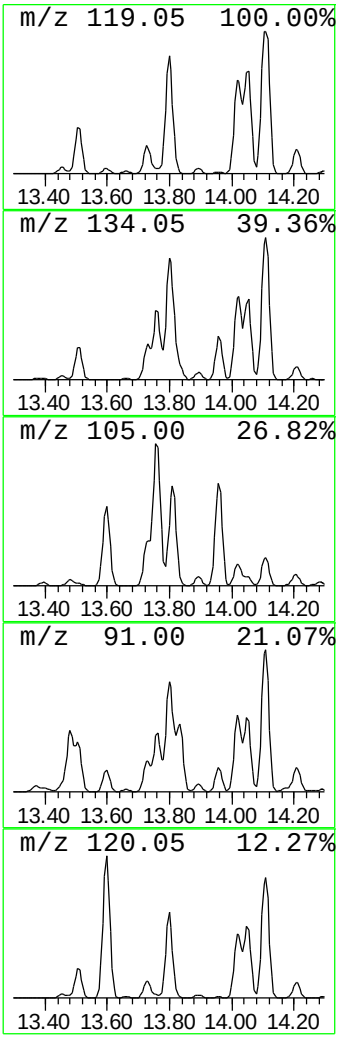
Peak Number 20 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	85.84 ug/L	47797000	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	91
2	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	87
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080520\
Data File : VW016040.D
Acq On : 05 Aug 2020 13:43
Operator : SY/VA
Sample : L3564-01
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSM8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

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

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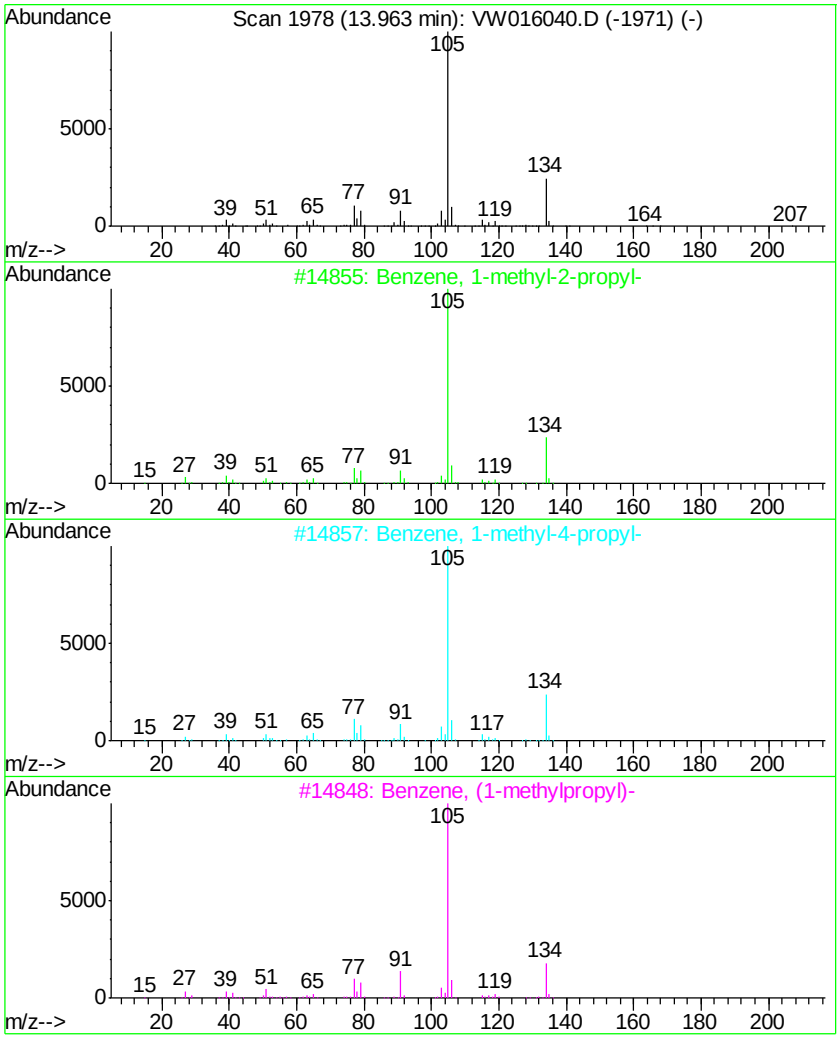
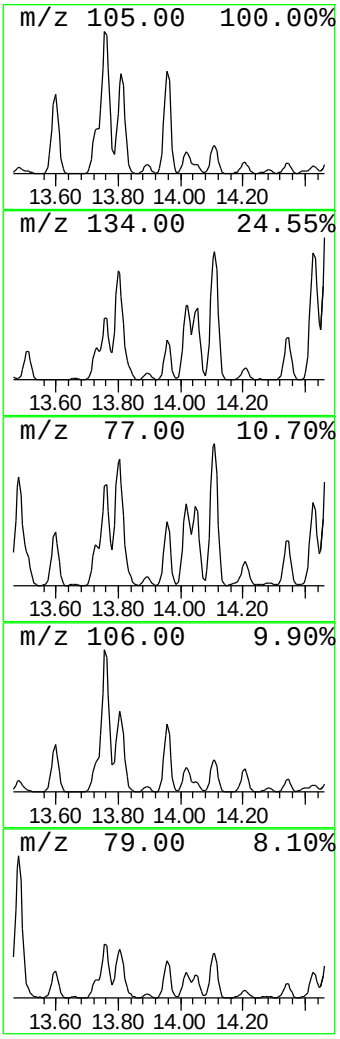
Peak Number 21 Benzene, 1-methyl-2-propyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.96	25.63 ug/L	14272900	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	94
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	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-2-propyl-	134	C10H14	001074-17-5	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080520\
Data File : VW016040.D
Acq On : 05 Aug 2020 13:43
Operator : SY/VA
Sample : L3564-01
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSM8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

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

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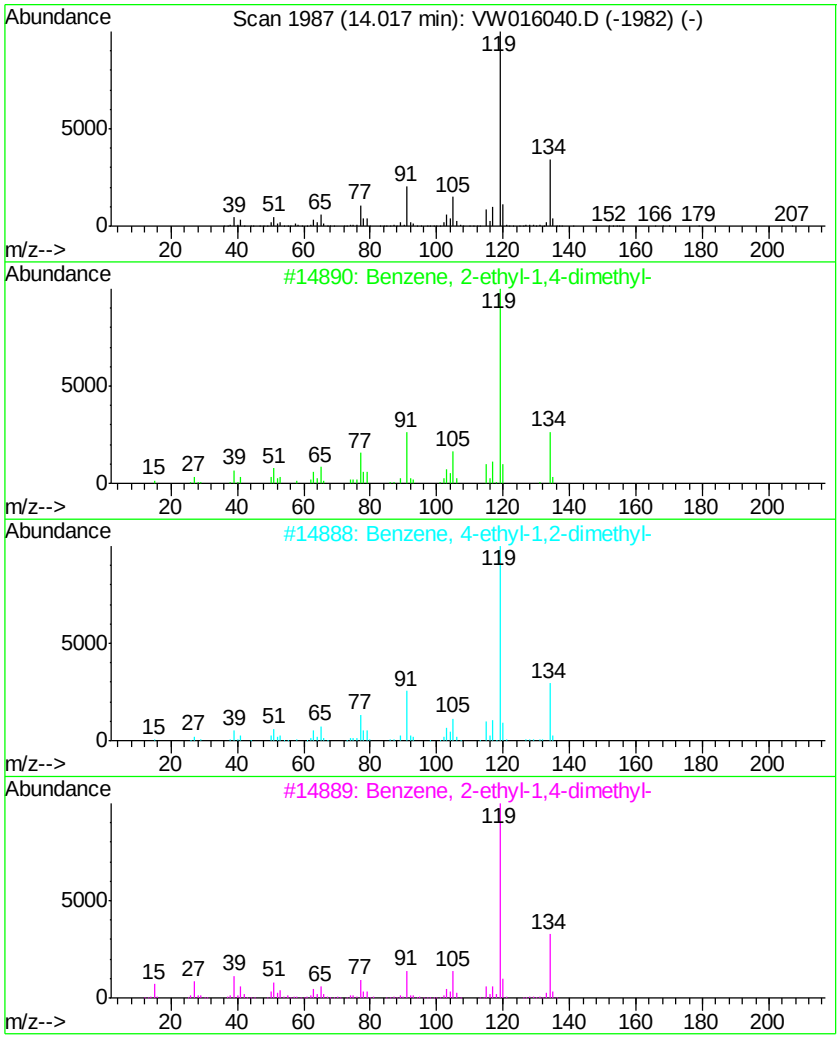
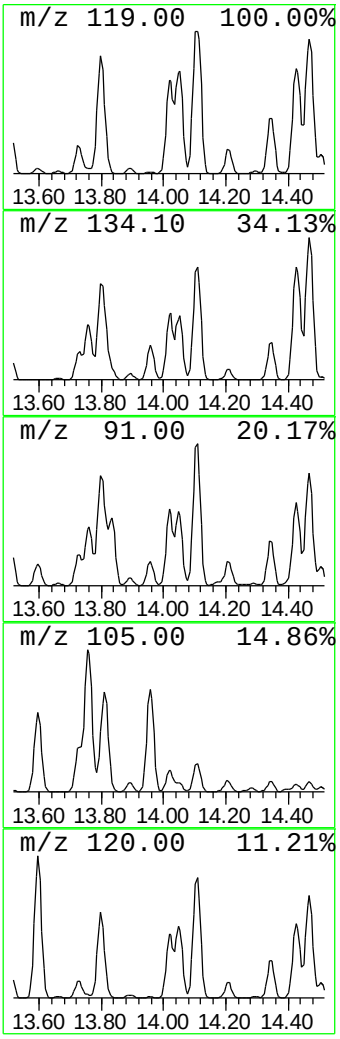
Peak Number 22 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	50.92 ug/L	28351500	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	96
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	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	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080520\
Data File : VW016040.D
Acq On : 05 Aug 2020 13:43
Operator : SY/VA
Sample : L3564-01
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSM8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

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

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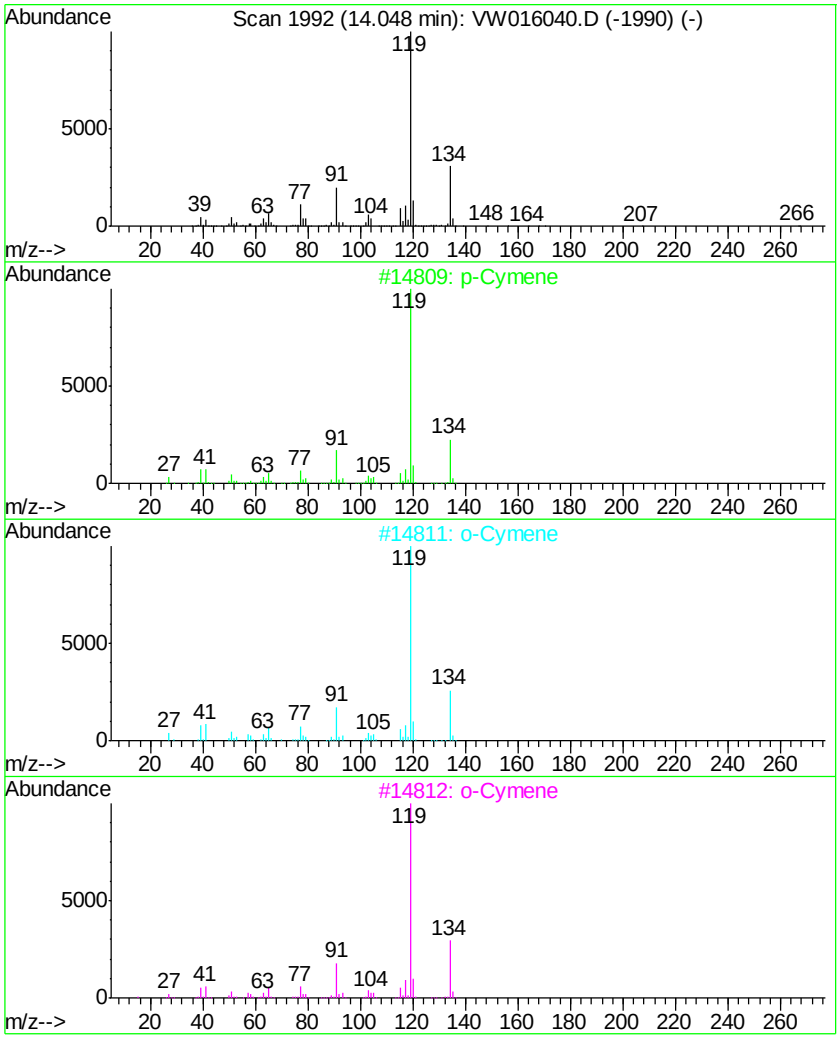
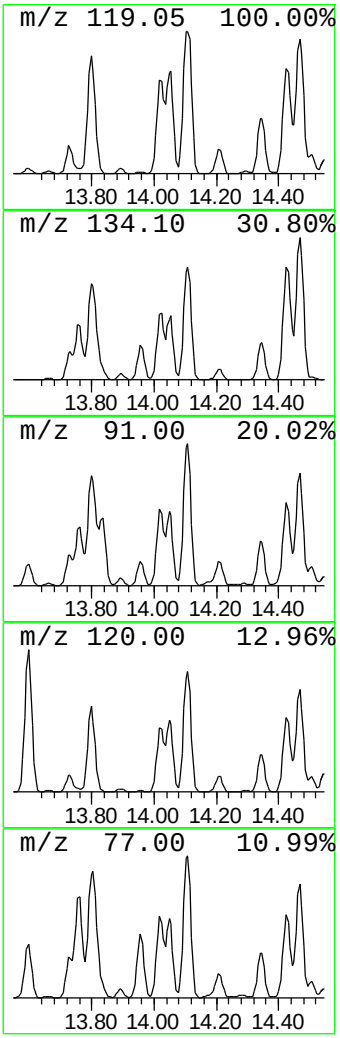
Peak Number 23 p-Cymene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.05	42.14 ug/L	23465400	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	97
2	o-Cymene	134	C10H14	000527-84-4	97
3	o-Cymene	134	C10H14	000527-84-4	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080520\
Data File : VW016040.D
Acq On : 05 Aug 2020 13:43
Operator : SY/VA
Sample : L3564-01
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSM8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

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

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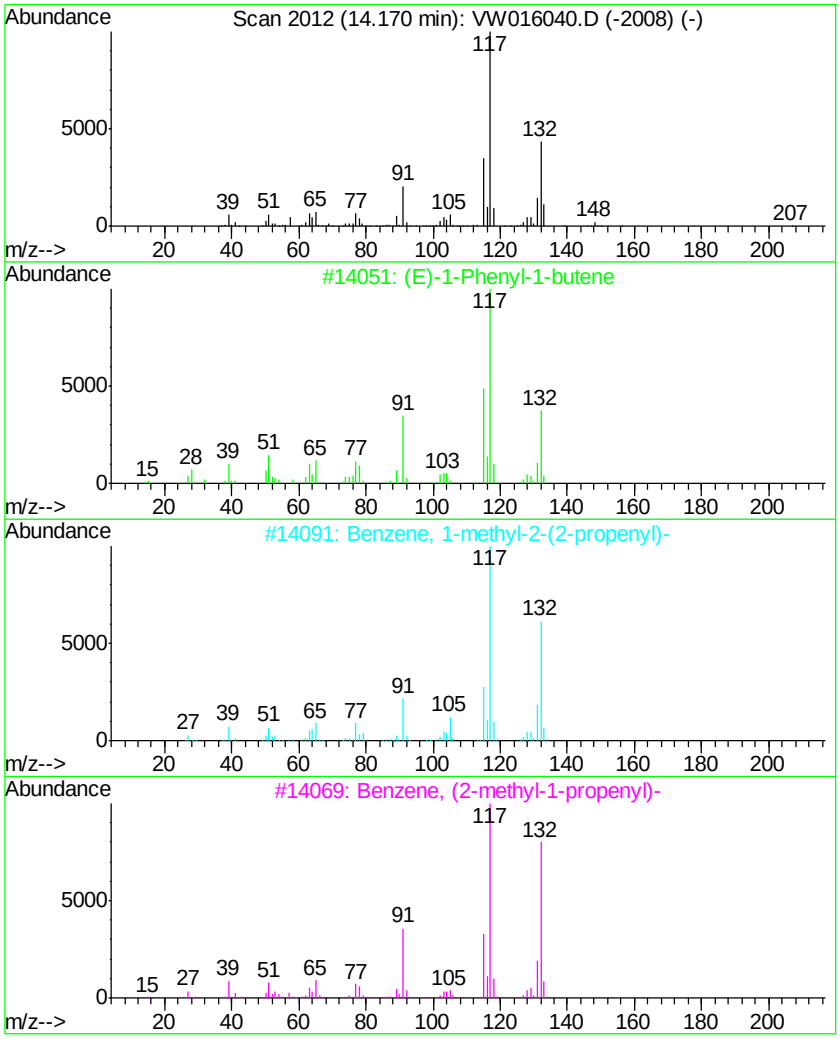
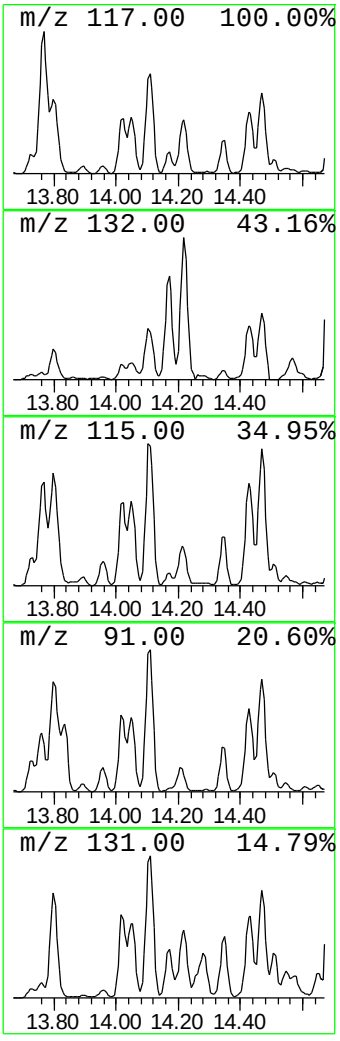
Peak Number 25 (E)-1-Phenyl-1-butene Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.17	1.70 ug/L	947741	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	93
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	91
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	91
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	91
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	91





Library Search Compound Report

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Data File : VW016040.D
Acq On : 05 Aug 2020 13:43
Operator : SY/VA
Sample : L3564-01
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSM8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

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

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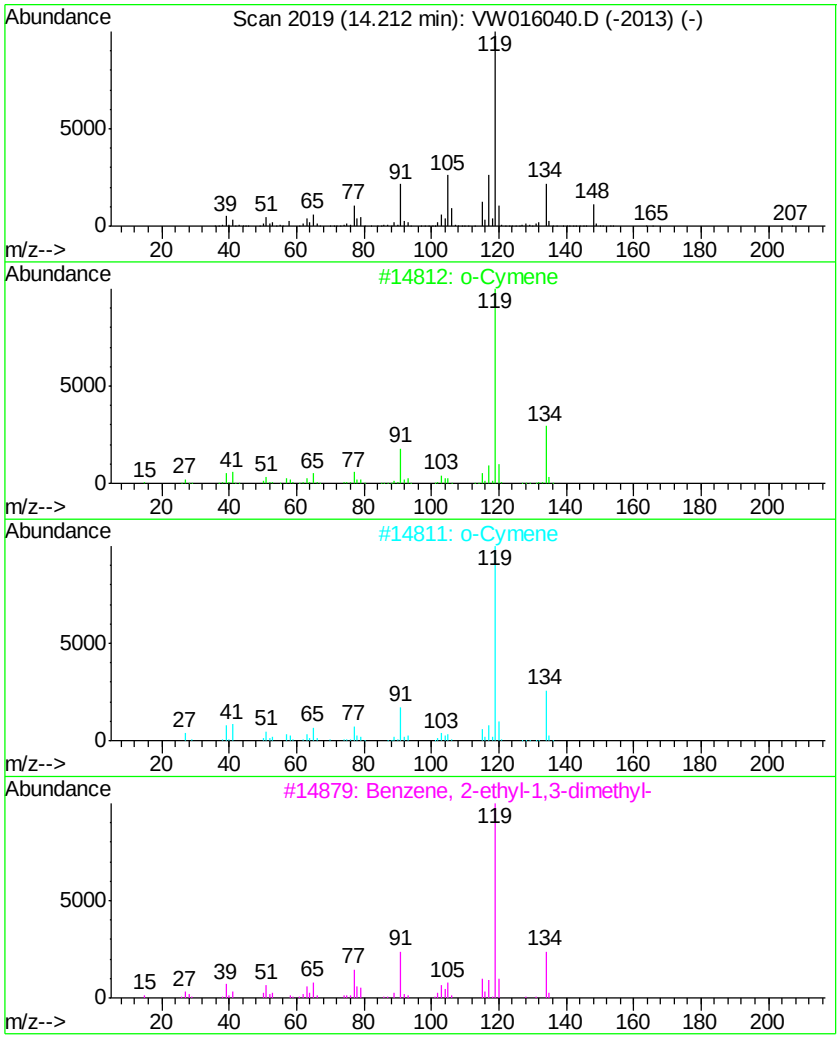
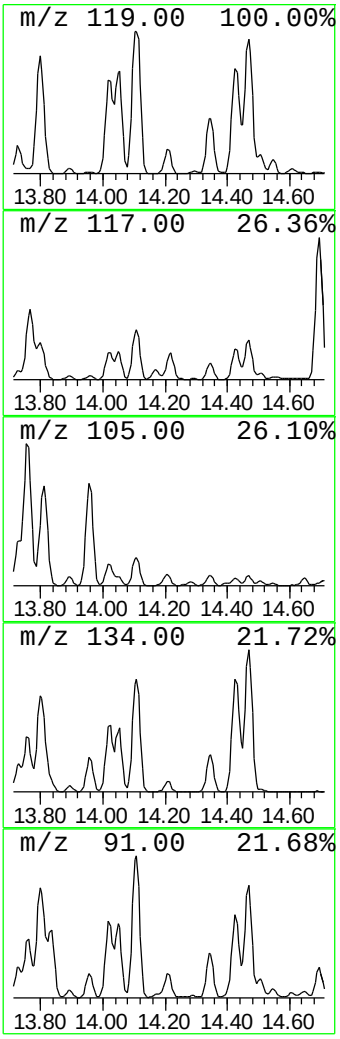
Peak Number 26 o-Cymene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	17.68 ug/L	9842810	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	94
2	o-Cymene	134	C10H14	000527-84-4	93
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93





Library Search Compound Report

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Data File : VW016040.D
Acq On : 05 Aug 2020 13:43
Operator : SY/VA
Sample : L3564-01
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSM8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

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

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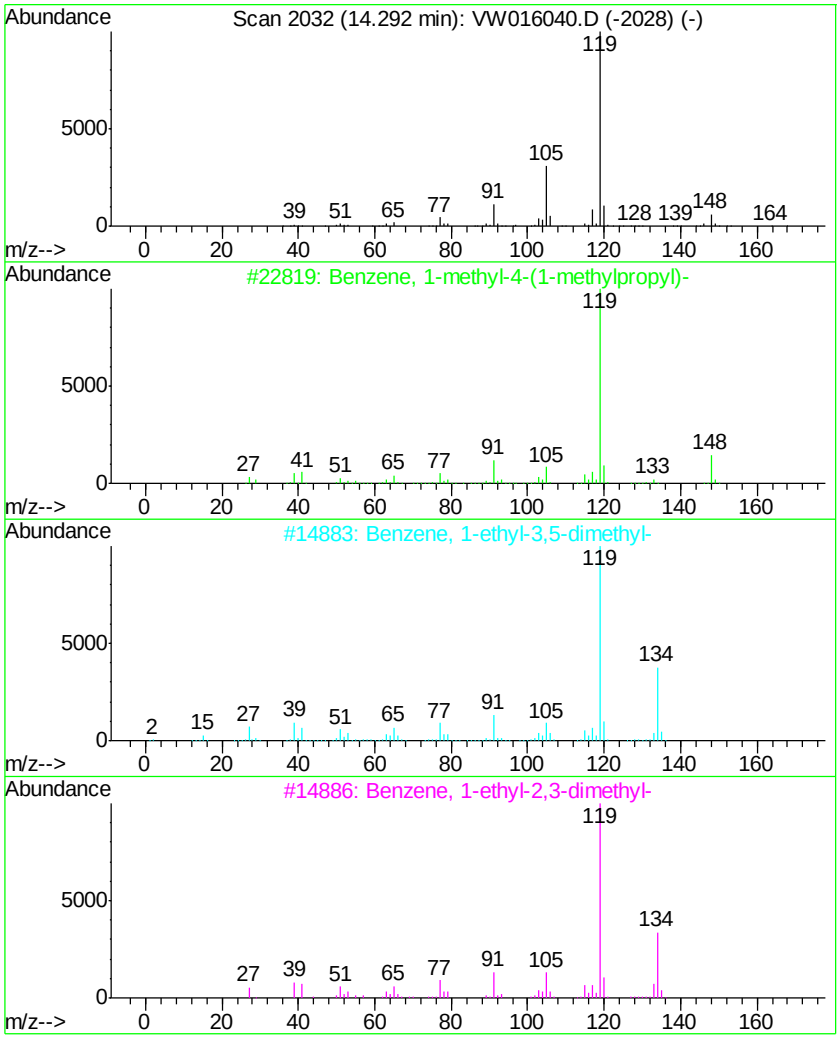
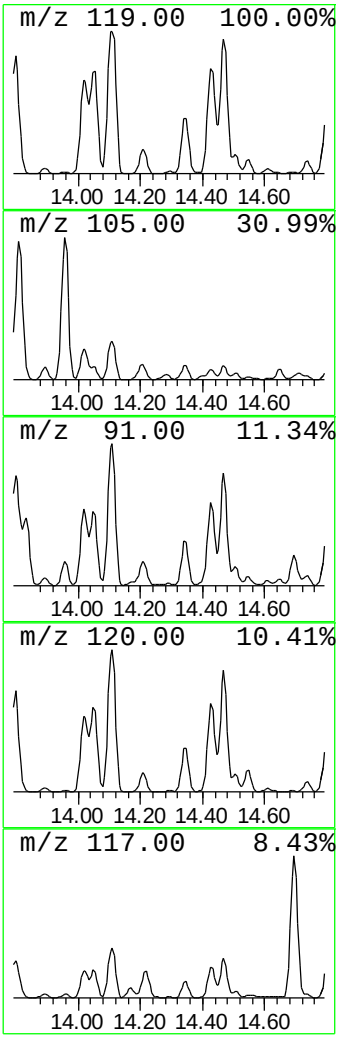
Peak Number 27 Benzene, 1-methyl-4-(1-meth... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	1.76 ug/L	981932	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	64
2	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	59
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	59
4	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	58
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080520\
Data File : VW016040.D
Acq On : 05 Aug 2020 13:43
Operator : SY/VA
Sample : L3564-01
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSM8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

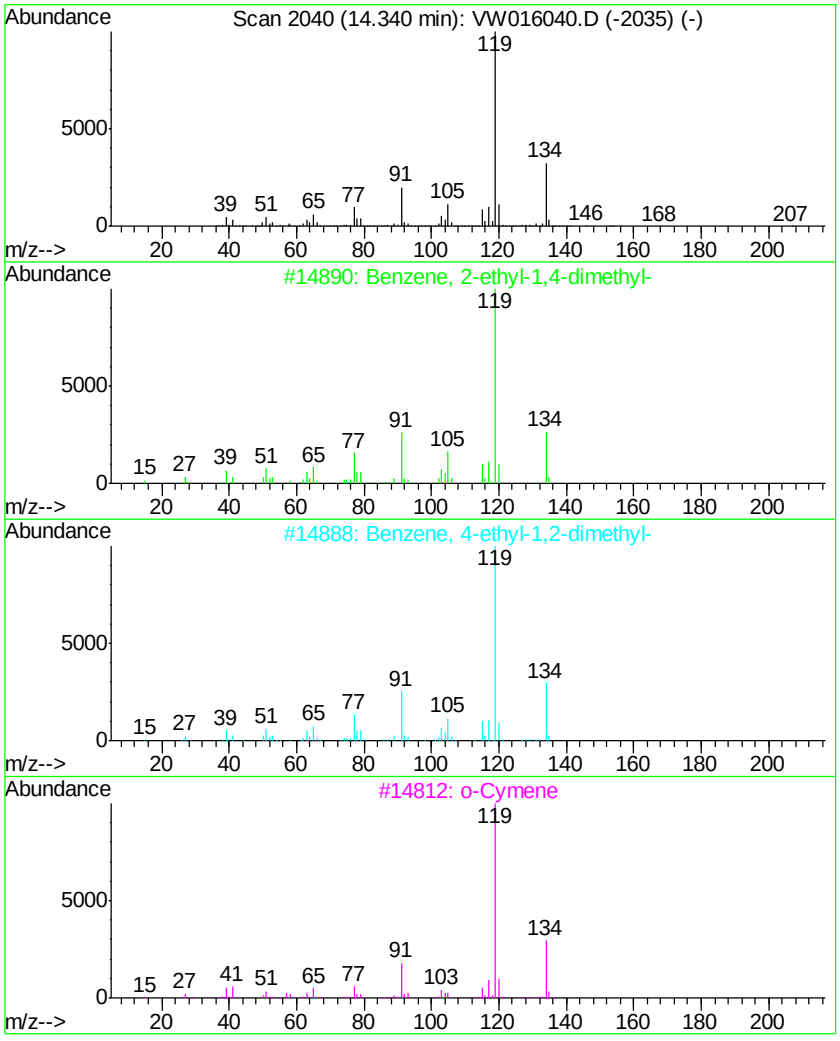
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

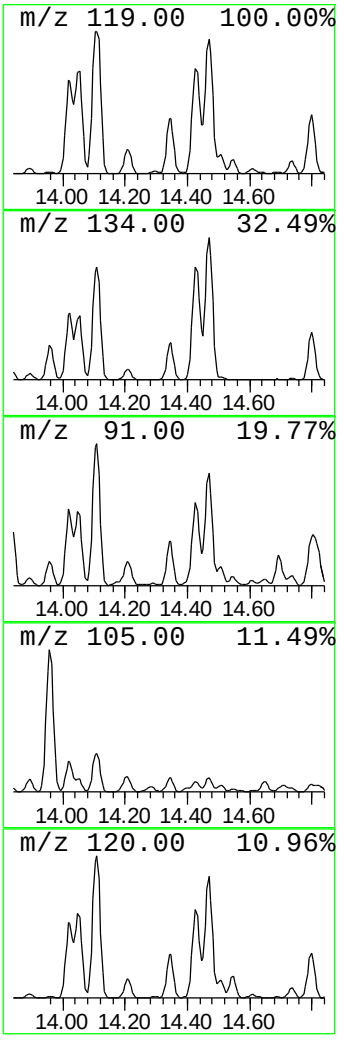
****

Peak Number 28 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	26.99 ug/L	15029100	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	96
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
3	o-Cymene	134	C10H14	000527-84-4	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





Library Search Compound Report

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Data File : VW016040.D
Acq On : 05 Aug 2020 13:43
Operator : SY/VA
Sample : L3564-01
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSM8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

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

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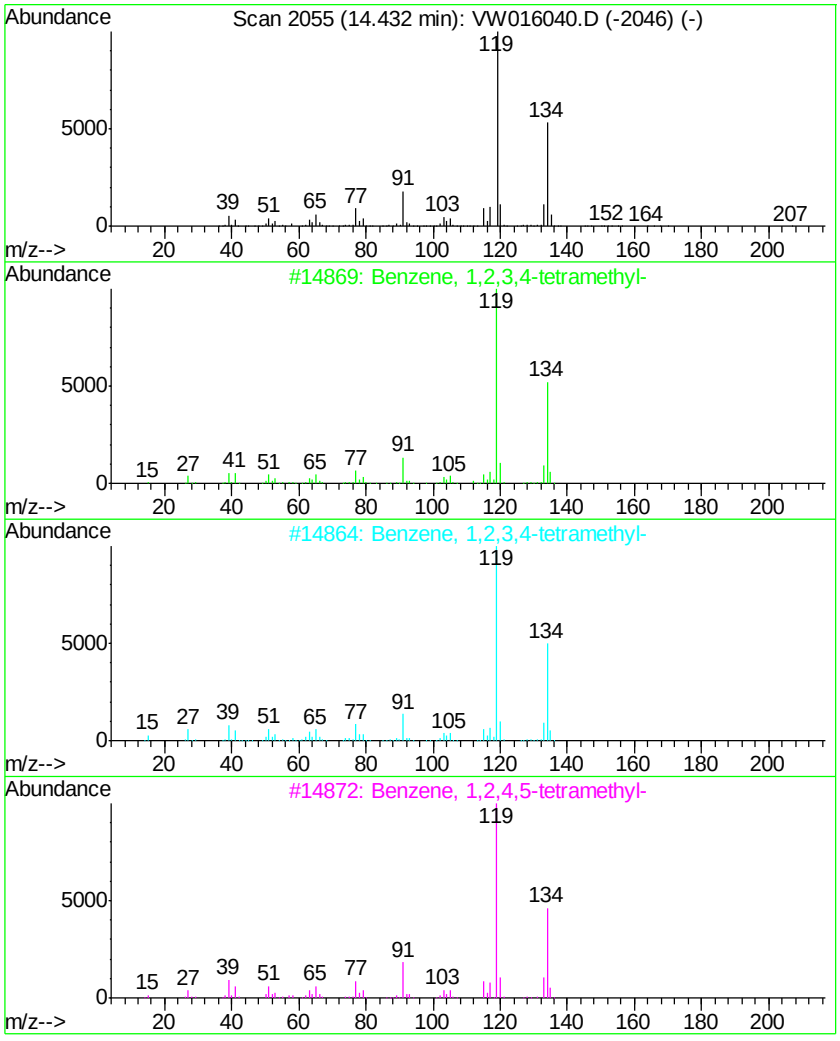
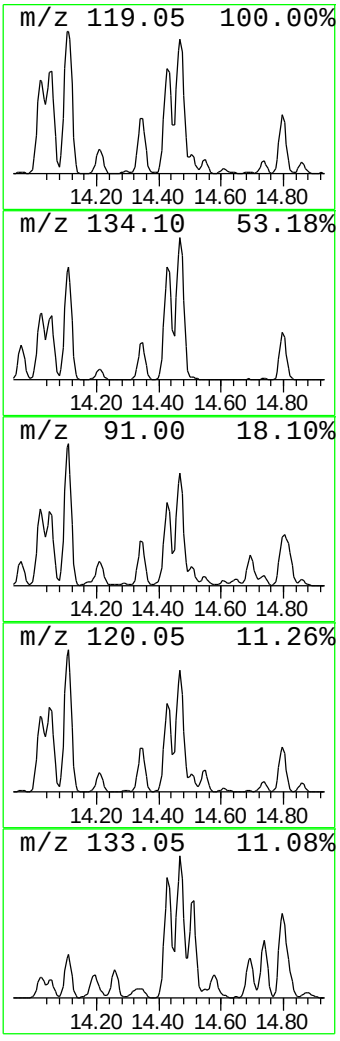
Peak Number 29 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	60.07 ug/L	33450000	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080520\
Data File : VW016040.D
Acq On : 05 Aug 2020 13:43
Operator : SY/VA
Sample : L3564-01
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSM8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

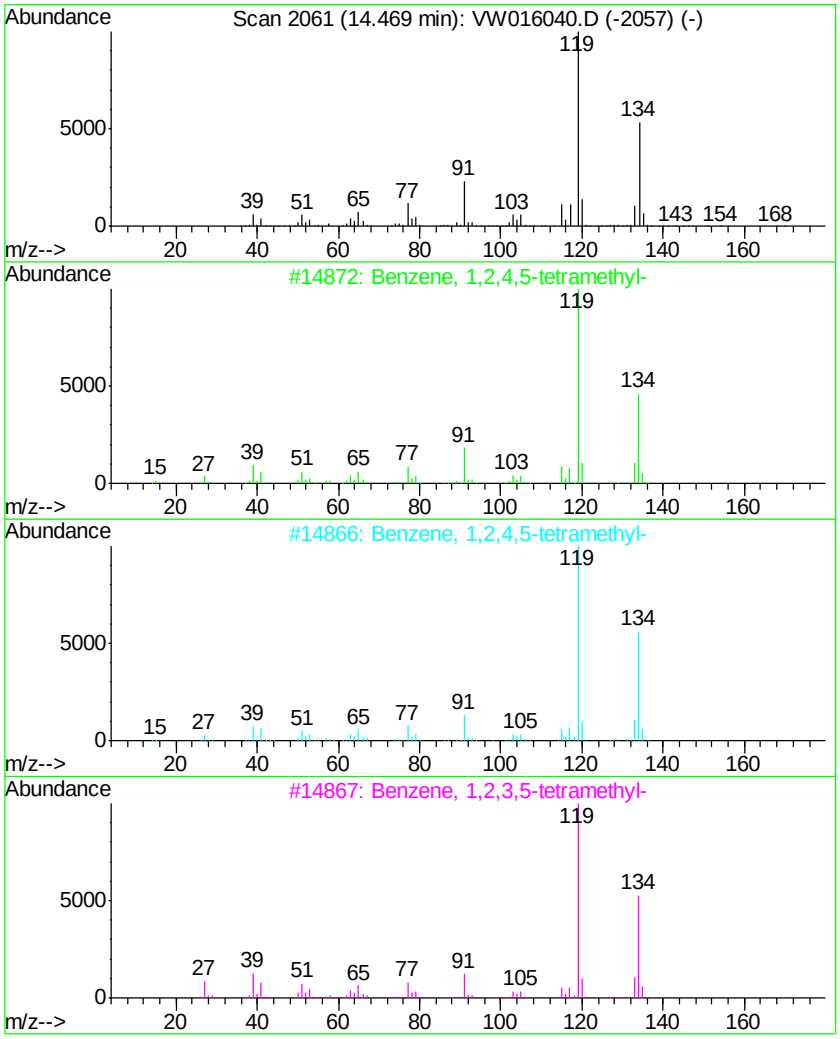
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

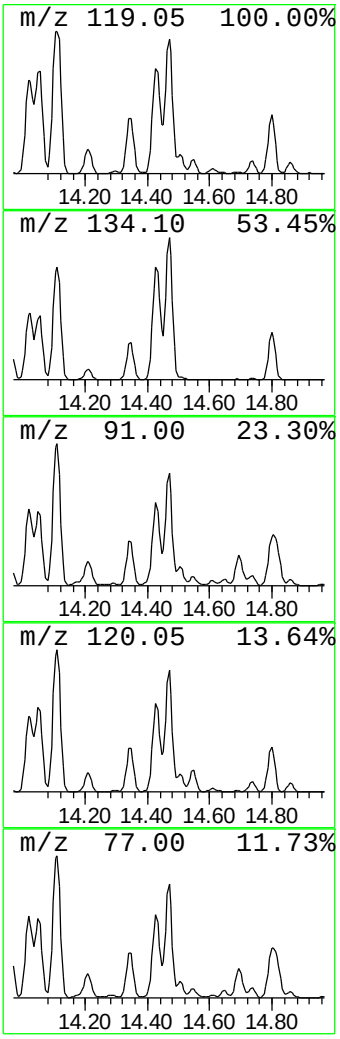
****

Peak Number 30 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.47	75.12 ug/L	41831100	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	96
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080520\
Data File : VW016040.D
Acq On : 05 Aug 2020 13:43
Operator : SY/VA
Sample : L3564-01
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSM8

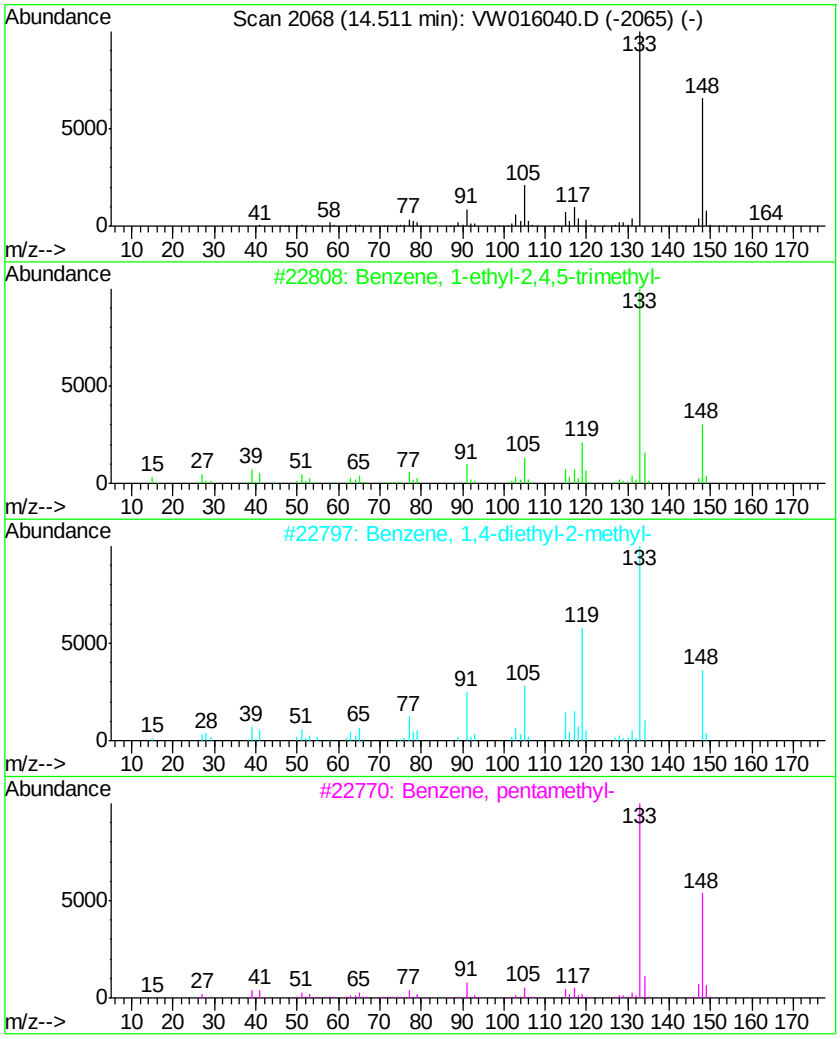
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

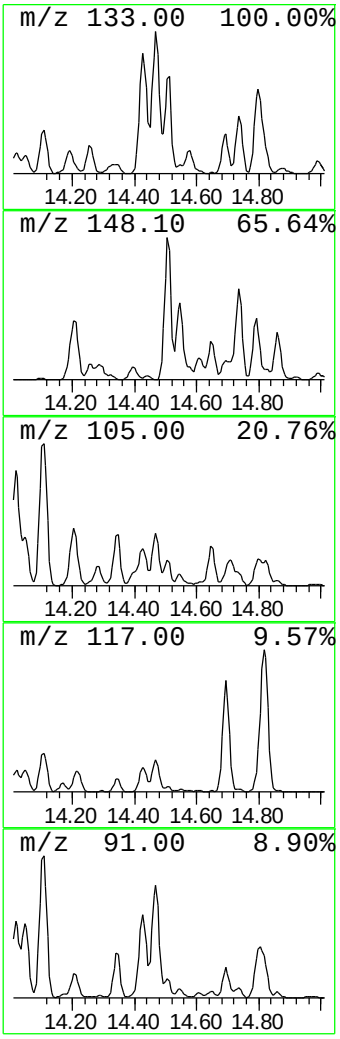
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 Benzene, 1-ethyl-2,4,5-trim... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	10.18 ug/L	5667740	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	90
2	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	87
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	83
4	Benzaldehyde, 4-(1-methylethyl)-	148	C10H12O	000122-03-2	72
5	Benzene, pentamethyl-	148	C11H16	000700-12-9	64





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Data File : VW016040.D
Acq On : 05 Aug 2020 13:43
Operator : SY/VA
Sample : L3564-01
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSM8

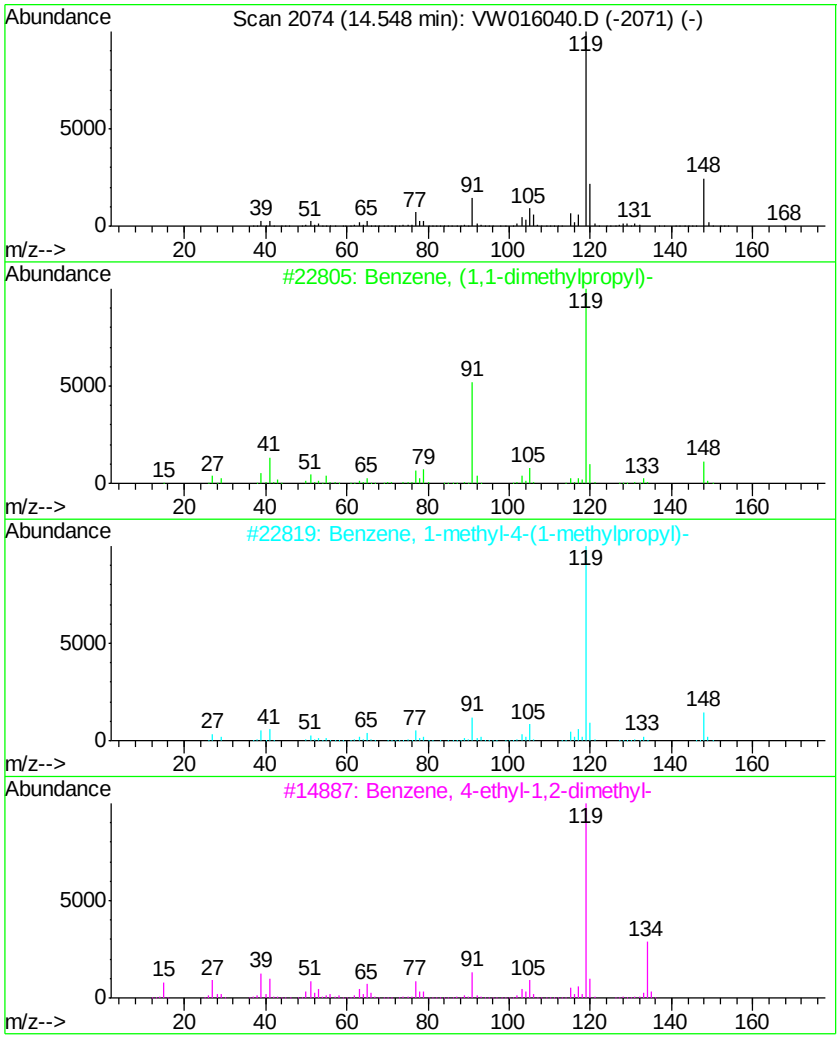
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

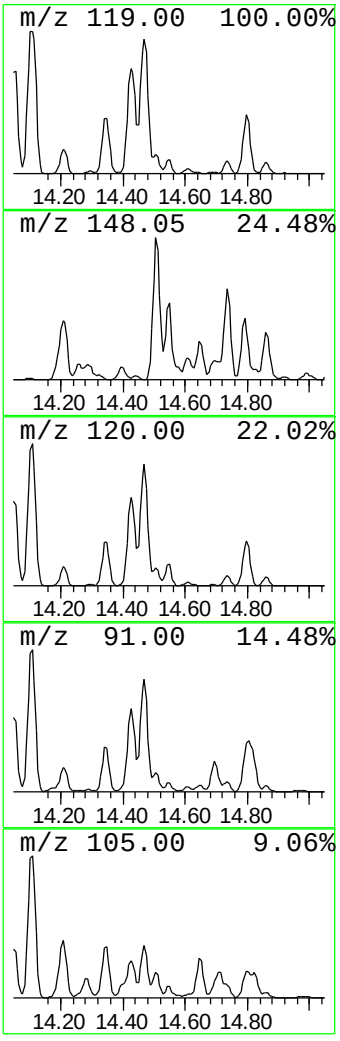
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 Benzene, (1,1-dimethylpropyl)- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	6.51 ug/L	3627490	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	72
2	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	64
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	59
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	59
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080520\
Data File : VW016040.D
Acq On : 05 Aug 2020 13:43
Operator : SY/VA
Sample : L3564-01
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSM8

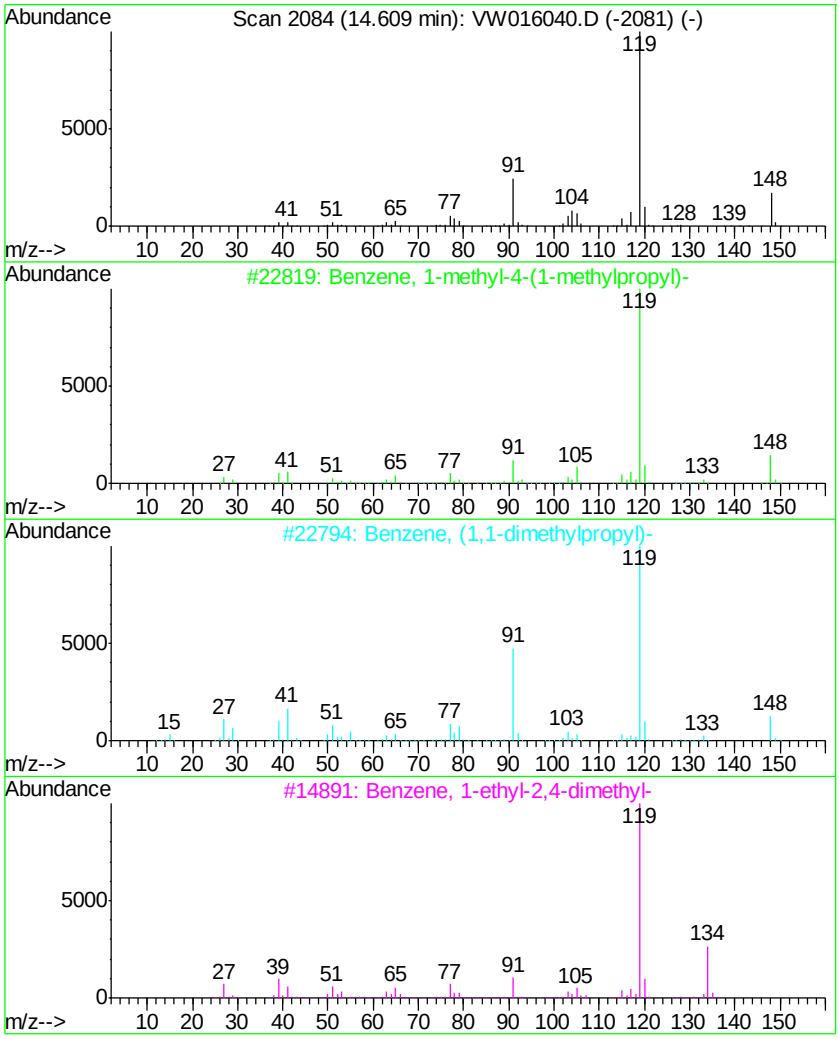
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

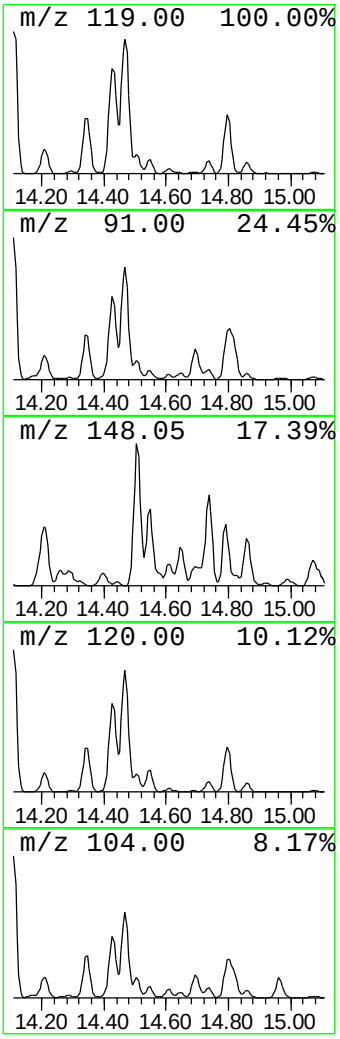
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.61	1.96 ug/L	1094040	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	86
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	72
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	72
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	72
5	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080520\
Data File : VW016040.D
Acq On : 05 Aug 2020 13:43
Operator : SY/VA
Sample : L3564-01
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSM8

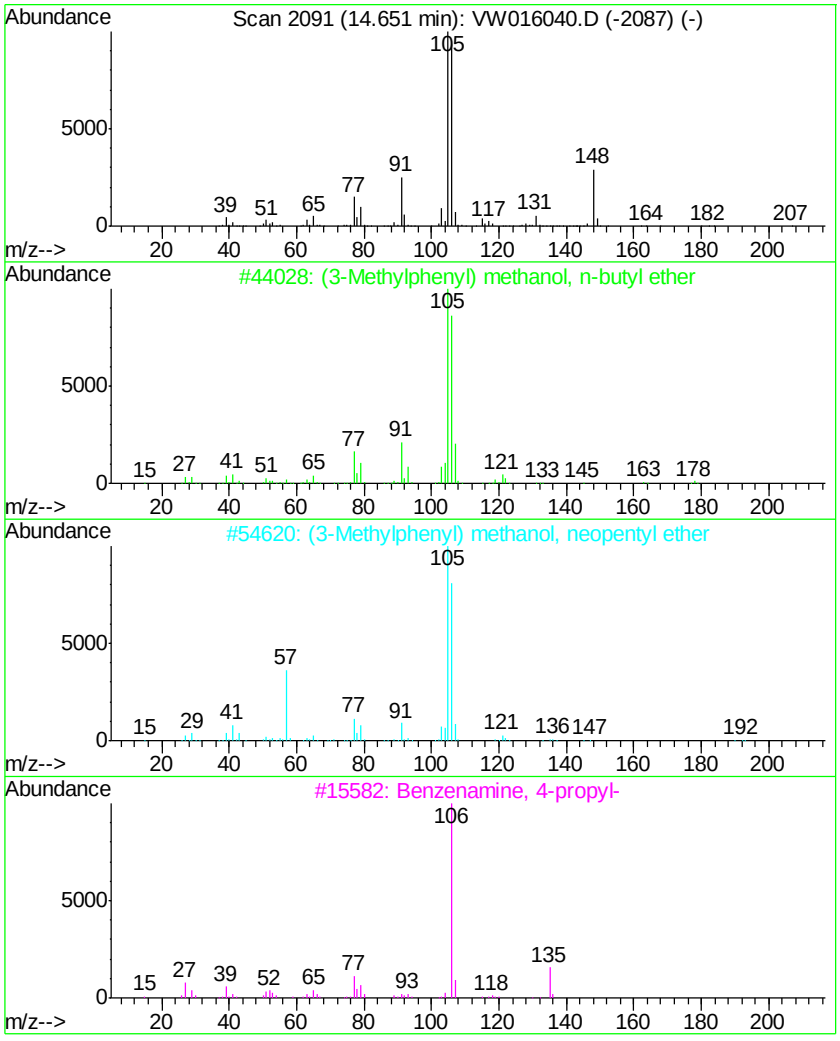
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

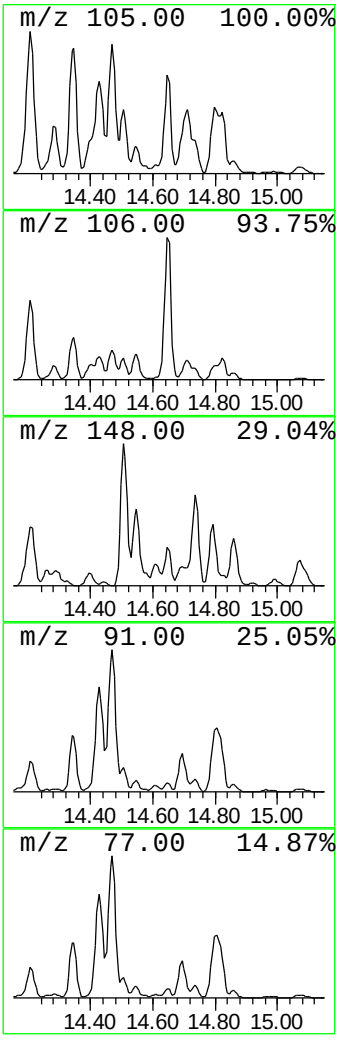
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 (3-Methylphenyl) methanol, ... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.65	3.19 ug/L	1776220	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(3-Methylphenyl) methanol, n-but...	178	C12H18O	1000374-44-2	64
2	(3-Methylphenyl) methanol, neope...	192	C13H20O	1000374-44-1	64
3	Benzenamine, 4-propyl-	135	C9H13N	002696-84-6	50
4	Benzenamine, 4-propyl-	135	C9H13N	002696-84-6	50
5	(3-Methylphenyl) methanol, 2-met...	178	C12H18O	1000374-58-2	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080520\
Data File : VW016040.D
Acq On : 05 Aug 2020 13:43
Operator : SY/VA
Sample : L3564-01
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSM8

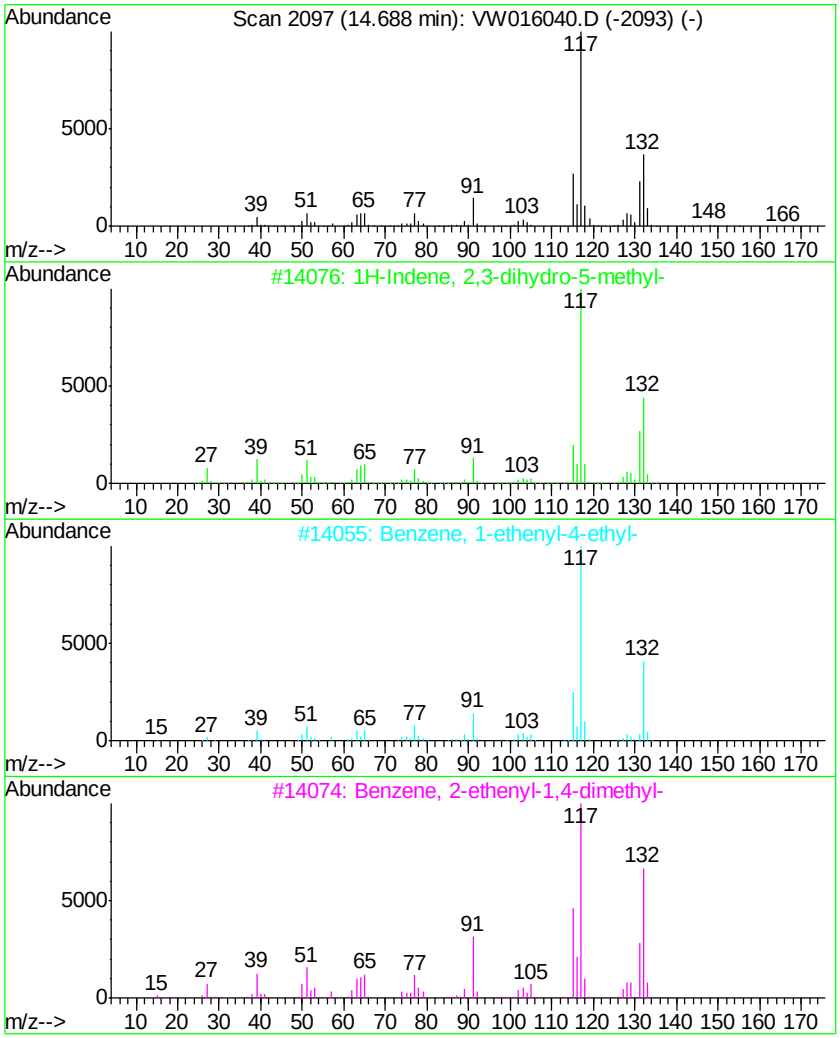
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

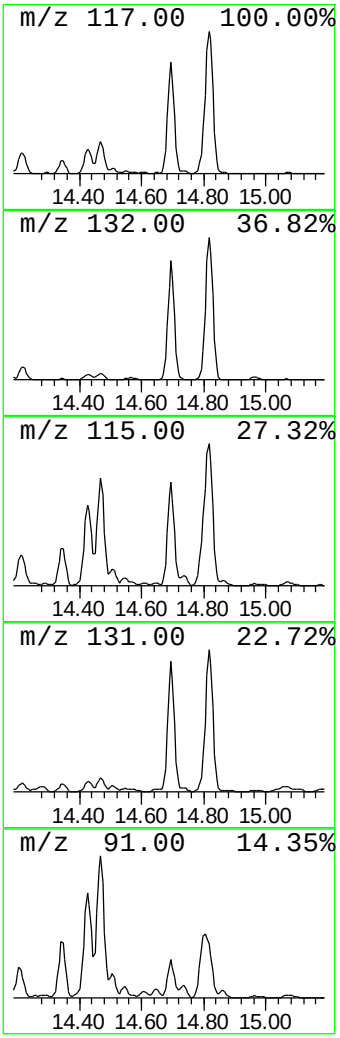
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 35 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	28.34 ug/L	15781600	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	95
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	93
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	91
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080520\
Data File : VW016040.D
Acq On : 05 Aug 2020 13:43
Operator : SY/VA
Sample : L3564-01
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSM8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

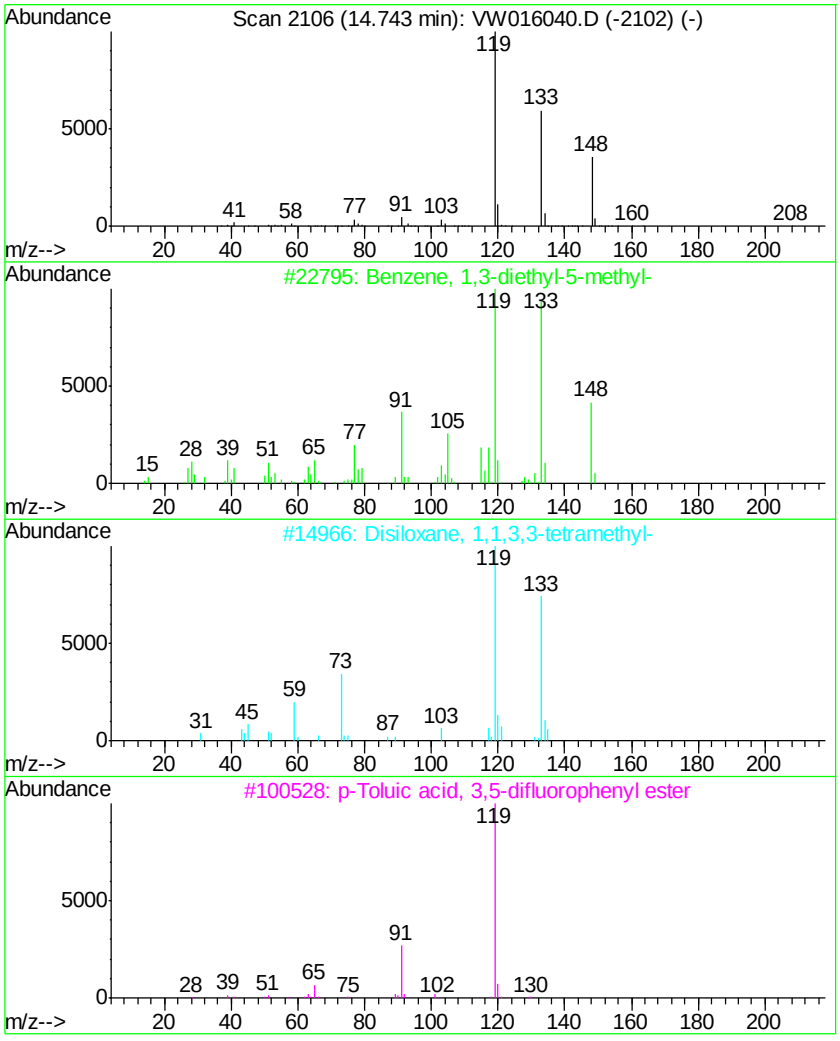
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

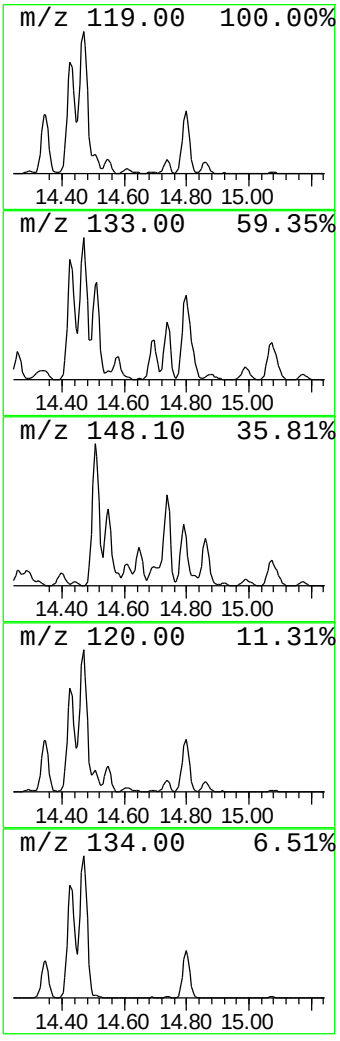
****

Peak Number 36 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	6.34 ug/L	3531090	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	50
2	Disiloxane, 1,1,3,3-tetramethyl-	134	C4H14OSi2	003277-26-7	43
3	p-Toluic acid, 3,5-difluorophenyl...	248	C14H10F2O2	1000292-64-0	43
4	Benzene, 1,1'-(1,1,2,2-tetrameth...	238	C18H22	001889-67-4	43
5	Disiloxane, 1,1,3,3-tetramethyl-	134	C4H14OSi2	003277-26-7	42





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080520\
Data File : VW016040.D
Acq On : 05 Aug 2020 13:43
Operator : SY/VA
Sample : L3564-01
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSM8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

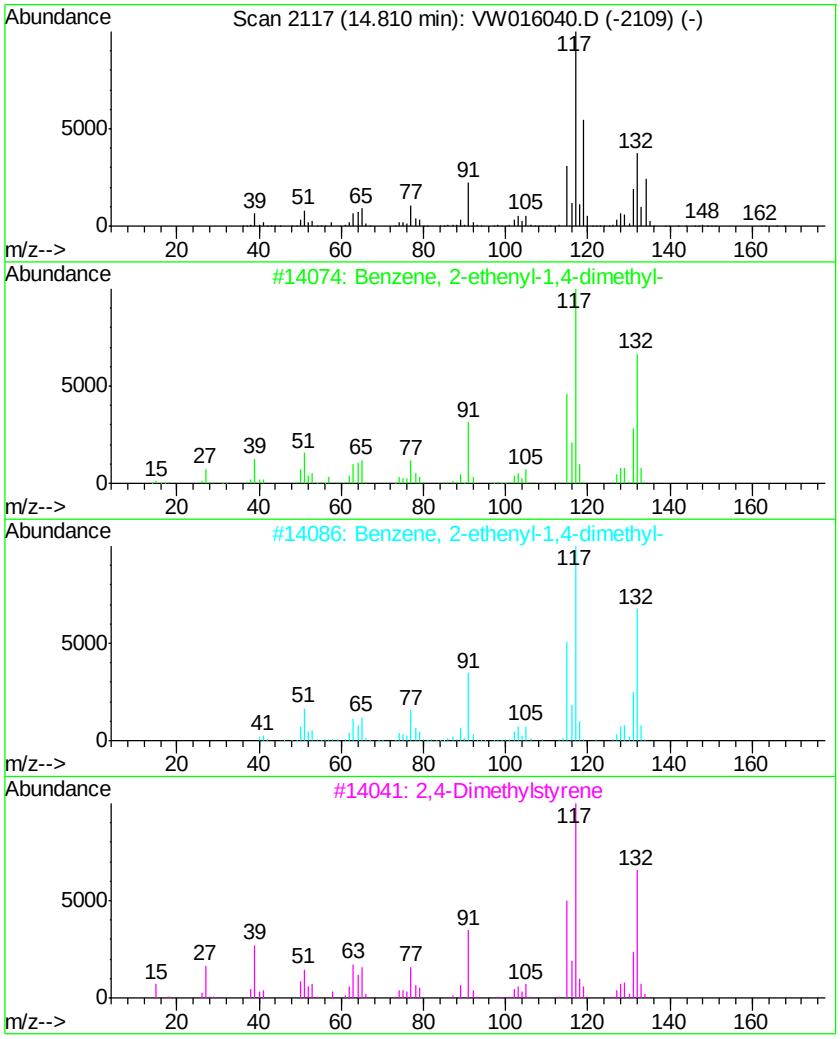
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

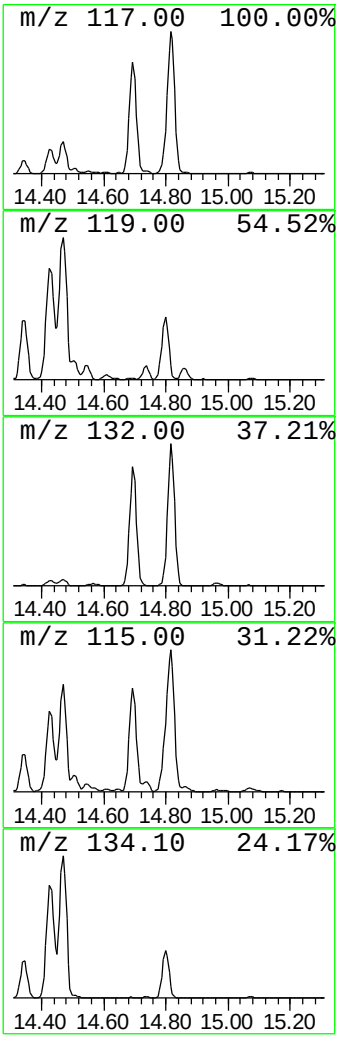
****

Peak Number 37 2,4-Dimethylstyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	63.32 ug/L	35256300	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	87
3	2,4-Dimethylstyrene	132	C10H12	002234-20-0	86
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	86
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080520\
Data File : VW016040.D
Acq On : 05 Aug 2020 13:43
Operator : SY/VA
Sample : L3564-01
Misc : 6.63G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSM8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.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
(DEL) Alkane: Cyc...	11.23	5.3	ug/L	150901	2	11.66	712948	25.0
(DEL) Alkane: Cyc...	11.30	9.3	ug/L	266267	2	11.66	712948	25.0
(DEL) Alkane: Cyc...	11.44	7.9	ug/L	224082	2	11.66	712948	25.0
(DEL) Alkane: Str...	11.54	10.4	ug/L	297007	2	11.66	712948	25.0
(DEL) Alkane: Str...	12.03	8.6	ug/L	246357	2	11.66	712948	25.0
1,6-Octadiene, 5,...	12.12	16.9	ug/L	482635	2	11.66	712948	25.0
unknown-01	12.24	1.7	ug/L	48818	2	11.66	712948	25.0
Methyl ethyl cycl...	12.32	2.0	ug/L	58027	2	11.66	712948	25.0
Tricyclo[2.2.1.0(...	12.38	9.9	ug/L	282128	2	11.66	712948	25.0
Bicyclo[3.1.0]hex...	12.88	4.2	ug/L	2344460	3	13.57	13920900	25.0
(-)-trans-Pinane	12.92	11.7	ug/L	6506860	3	13.57	13920900	25.0
Bicyclo[2.2.1]hep...	12.96	3.2	ug/L	1802120	3	13.57	13920900	25.0
Bicyclo[3.1.1]hep...	13.07	50.3	ug/L	28023800	3	13.57	13920900	25.0
Benzene, 1,2,3-tr...	13.26	9.9	ug/L	5492010	3	13.57	13920900	25.0
Cyclohexene, 1-me...	13.40	8.5	ug/L	4711380	3	13.57	13920900	25.0
D-Limonene	13.48	90.5	ug/L	50413400	3	13.57	13920900	25.0
Benzene, 1,2-diet...	13.73	20.3	ug/L	11282900	3	13.57	13920900	25.0
Benzene, 1-methyl...	13.76	55.3	ug/L	30769500	3	13.57	13920900	25.0
Benzene, 2-ethyl-...	13.80	85.8	ug/L	47797000	3	13.57	13920900	25.0
Benzene, 1-methyl...	13.96	25.6	ug/L	14272900	3	13.57	13920900	25.0
Benzene, 4-ethyl-...	14.02	50.9	ug/L	28351500	3	13.57	13920900	25.0
p-Cymene	14.05	42.1	ug/L	23465400	3	13.57	13920900	25.0
(E)-1-Phenyl-1-bu...	14.17	1.7	ug/L	947741	3	13.57	13920900	25.0
o-Cymene	14.21	17.7	ug/L	9842810	3	13.57	13920900	25.0
Benzene, 1-methyl...	14.29	1.8	ug/L	981932	3	13.57	13920900	25.0
Benzene, 1-ethyl-...	14.34	27.0	ug/L	15029100	3	13.57	13920900	25.0
Benzene, 1,2,3,4-...	14.43	60.1	ug/L	33450000	3	13.57	13920900	25.0
Benzene, 1,2,4,5-...	14.47	75.1	ug/L	41831100	3	13.57	13920900	25.0
Benzene, 1-ethyl-...	14.51	10.2	ug/L	5667740	3	13.57	13920900	25.0
Benzene, (1,1-dim...	14.55	6.5	ug/L	3627490	3	13.57	13920900	25.0
Benzene, 2-ethyl-...	14.61	2.0	ug/L	1094040	3	13.57	13920900	25.0
(3-Methylphenyl) ...	14.65	3.2	ug/L	1776220	3	13.57	13920900	25.0
1H-Indene, 2,3-di...	14.69	28.3	ug/L	15781600	3	13.57	13920900	25.0
Benzene, 1,3-diet...	14.74	6.3	ug/L	3531090	3	13.57	13920900	25.0
2,4-Dimethylstyrene	14.81	63.3	ug/L	35256300	3	13.57	13920900	25.0