LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111320\
Data File : VW017217.D
Acq On : 13 Nov 2020 17:00
Operator : SY/VA
Sample : L4710-23
Misc : 5.23G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AZ0

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\SOM2WLM110420S.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	2.355	67	74	85	rVB	106214	195018	1.62%	0.616%
2	2.891	154	162	176	rVB	74871	175975	1.46%	0.556%
3	3.294	225	228	231	rBV	310	427	0.00%	0.001%
4	3.385	236	243	251	rBV3	3774	8161	0.07%	0.026%
5	3.537	258	268	291	rBV	57042	177078	1.47%	0.559%
6	4.019	336	347	360	rBV	164461	476296	3.96%	1.504%
7	4.208	371	378	390	rVB2	8719	25355	0.21%	0.080%
8	4.391	404	408	418	rVV4	1410	3953	0.03%	0.012%
9	4.617	438	445	449	rBV3	1270	2604	0.02%	0.008%
10	4.921	484	495	509	rVV2	18956	67182	0.56%	0.212%
11	5.147	527	532	535	rVV4	687	1011	0.01%	0.003%
12	5.507	586	591	594	rBV2	249	409	0.00%	0.001%
13	5.946	652	663	672	rVB3	5632	17066	0.14%	0.054%
14	7.079	840	849	853	rBV	19261	50332	0.42%	0.159%
15	7.134	854	858	871	rVB	37795	103448	0.86%	0.327%
16	7.433	902	907	910	rBV3	532	938	0.01%	0.003%
17	7.543	923	925	928	rVV3	550	542	0.00%	0.002%
18	7.653	932	943	959	rVV	227940	549182	4.57%	1.735%
19	7.957	988	993	994	rBV2	466	523	0.00%	0.002%
20	8.280	1035	1046	1063	rBV2	429009	1244920	10.36%	3.932%
21	8.695	1109	1114	1120	rBV5	897	1675	0.01%	0.005%
22	8.841	1129	1138	1152	rBV	473715	955970	7.95%	3.019%
23	9.079	1172	1177	1184	rVB3	1590	3264	0.03%	0.010%
24	9.274	1201	1209	1220	rBV	265958	548102	4.56%	1.731%
25	9.457	1235	1239	1241	rVB2	460	444	0.00%	0.001%
26	9.658	1268	1272	1273	rBV	738	699	0.01%	0.002%
27	9.890	1308	1310	1315	rVB2	915	1265	0.01%	0.004%
28	10.036	1327	1334	1345	rBV	93353	169639	1.41%	0.536%
29	10.128	1345	1349	1352	rBV4	429	671	0.01%	0.002%
30	10.213	1358	1363	1367	rBV2	3489	6273	0.05%	0.020%
31	10.329	1373	1382	1389	rBV	613119	1108932	9.22%	3.503%
32	10.390	1389	1392	1398	rVB	10146	15334	0.13%	0.048%
33	10.506	1408	1411	1416	rVB3	1029	1351	0.01%	0.004%
34	10.579	1416	1423	1432	rBV	59100	102550	0.85%	0.324%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111320\
Data File : VW017217.D
Acq On : 13 Nov 2020 17:00
Operator : SY/VA
Sample : L4710-23
Misc : 5.23G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AZ0

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\SOM2WLM110420S.M
Title : VOC Analysis

35	10.707	1437	1444	1452	rVB	30492	53712	0.45%	0.170%
36	10.792	1455	1458	1463	rVV5	493	830	0.01%	0.003%
37	10.859	1467	1469	1474	rVB3	1408	1724	0.01%	0.005%
38	10.926	1474	1480	1490	rBV	60262	106875	0.89%	0.338%
39	11.030	1492	1497	1498	rVV4	2434	3571	0.03%	0.011%
40	11.067	1498	1503	1514	rVV	28847	51252	0.43%	0.162%
41	11.176	1517	1521	1526	rVB5	917	1308	0.01%	0.004%
42	11.274	1533	1537	1540	rBV4	477	893	0.01%	0.003%
43	11.438	1558	1564	1570	rVB	16762	27090	0.23%	0.086%
44	11.512	1574	1576	1578	rBV3	425	514	0.00%	0.002%
45	11.585	1586	1588	1589	rVV2	601	555	0.00%	0.002%
46	11.634	1589	1596	1608	rVV	609614	1018794	8.48%	3.218%
47	11.737	1608	1613	1618	rVV4	8239	13899	0.12%	0.044%
48	11.823	1618	1627	1635	rVB3	8283	15422	0.13%	0.049%
49	11.938	1640	1646	1648	rBV3	427	632	0.01%	0.002%
50	11.969	1648	1651	1655	rBV2	295	420	0.00%	0.001%
51	12.115	1670	1675	1678	rBV5	701	1127	0.01%	0.004%
52	12.371	1702	1717	1725	rBV	492747	870603	7.24%	2.750%
53	12.475	1725	1734	1747	rBV	1688200	2800877	23.30%	8.846%
54	12.609	1747	1756	1762	rBV	88979	145691	1.21%	0.460%
55	12.719	1762	1774	1787	rVB	6617003	12021084	100.00%	37.968%
56	12.853	1794	1796	1801	rVB5	799	1188	0.01%	0.004%
57	12.956	1804	1813	1818	rBV2	161875	303327	2.52%	0.958%
58	13.030	1818	1825	1837	rVB	1076491	1774733	14.76%	5.605%
59	13.164	1844	1847	1851	rBV5	1554	2284	0.02%	0.007%
60	13.273	1854	1865	1874	rVB	995899	1648890	13.72%	5.208%
61	13.365	1874	1880	1885	rBV3	34796	76111	0.63%	0.240%
62	13.420	1885	1889	1892	rVV2	26057	49642	0.41%	0.157%
63	13.469	1892	1897	1900	rVV	643549	1056183	8.79%	3.336%
64	13.530	1904	1907	1909	rVV	572274	813484	6.77%	2.569%
65	13.560	1909	1912	1917	rVV	495572	751260	6.25%	2.373%
66	13.621	1917	1922	1929	rVB2	94297	159340	1.33%	0.503%
67	13.719	1932	1938	1943	rBV	86099	131394	1.09%	0.415%
68	13.761	1943	1945	1948	rVB2	2453	2393	0.02%	0.008%
69	13.792	1948	1950	1953	rVB4	971	883	0.01%	0.003%
70	13.853	1953	1960	1967	rBV	381427	617661	5.14%	1.951%
71	13.962	1973	1978	1980	rBV	30206	43774	0.36%	0.138%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111320\
Data File : VW017217.D
Acq On : 13 Nov 2020 17:00
Operator : SY/VA
Sample : L4710-23
Misc : 5.23G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AZ0

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\SOM2WLM110420S.M
Title : VOC Analysis

72	13.999	1980	1984	1990	rVV	130343	196041	1.63%	0.619%
73	14.072	1990	1996	2003	rVB2	50512	85427	0.71%	0.270%
74	14.151	2004	2009	2014	rBV2	9076	13604	0.11%	0.043%
75	14.200	2014	2017	2022	rVB4	2508	3363	0.03%	0.011%
76	14.267	2024	2028	2032	rBV4	2301	3937	0.03%	0.012%
77	14.322	2032	2037	2041	rBV6	3536	6176	0.05%	0.020%
78	14.438	2048	2056	2063	rBV	83434	141225	1.17%	0.446%
79	14.517	2067	2069	2074	rVB5	1332	1736	0.01%	0.005%
80	14.639	2088	2089	2092	rVB2	516	358	0.00%	0.001%
81	14.694	2094	2098	2099	rVV3	3206	4125	0.03%	0.013%
82	14.724	2100	2103	2110	rVB4	6264	10383	0.09%	0.033%
83	14.779	2110	2112	2113	rBV2	583	467	0.00%	0.001%
84	14.968	2141	2143	2145	rBV2	415	373	0.00%	0.001%
85	15.072	2148	2160	2172	rBV	134684	273237	2.27%	0.863%
86	15.237	2179	2187	2193	rVB2	8176	21621	0.18%	0.068%
87	15.304	2193	2198	2202	rVB2	6524	9843	0.08%	0.031%
88	15.389	2206	2212	2216	rBV2	24751	48041	0.40%	0.152%
89	15.438	2216	2220	2225	rVV	32837	52002	0.43%	0.164%
90	15.493	2225	2229	2234	rVB	4831	7417	0.06%	0.023%
91	15.694	2256	2262	2265	rBV5	3069	5230	0.04%	0.017%
92	15.724	2265	2267	2268	rVB2	976	597	0.00%	0.002%
93	15.767	2270	2274	2277	rBV5	2316	3884	0.03%	0.012%
94	15.852	2283	2288	2292	rBV8	2008	3926	0.03%	0.012%
95	15.950	2301	2304	2305	rBV3	1002	1100	0.01%	0.003%
96	16.041	2312	2319	2327	rBV2	81754	165006	1.37%	0.521%
97	16.182	2341	2342	2344	rBV2	724	488	0.00%	0.002%
98	16.267	2352	2356	2360	rBV6	859	1422	0.01%	0.004%
99	16.419	2375	2381	2387	rBV7	6407	13073	0.11%	0.041%
100	16.547	2399	2402	2403	rBV3	696	827	0.01%	0.003%

Sum of corrected areas: 31660938

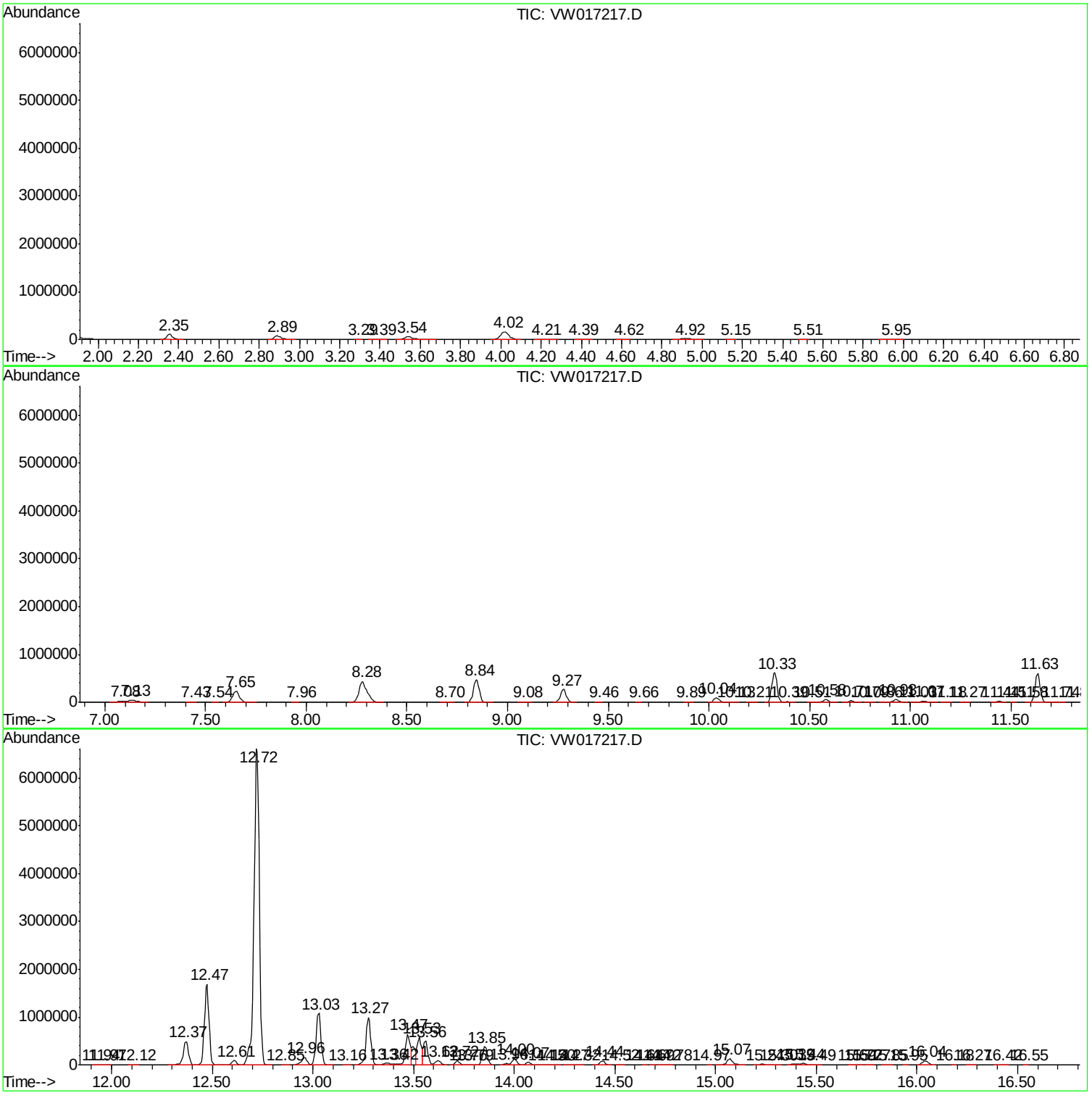
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111320\
Data File : VW017217.D
Acq On : 13 Nov 2020 17:00
Operator : SY/VA
Sample : L4710-23
Misc : 5.23G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AZ0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111320\
Data File : VW017217.D
Acq On : 13 Nov 2020 17:00
Operator : SY/VA
Sample : L4710-23
Misc : 5.23G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AZ0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

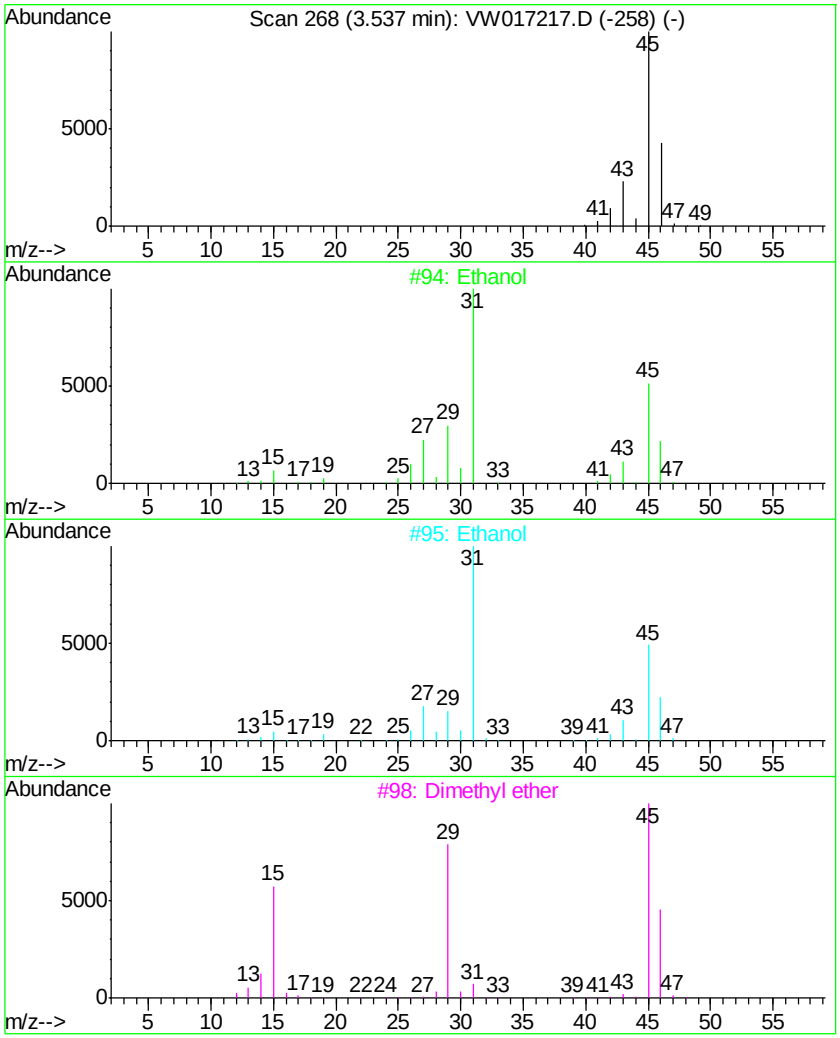
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

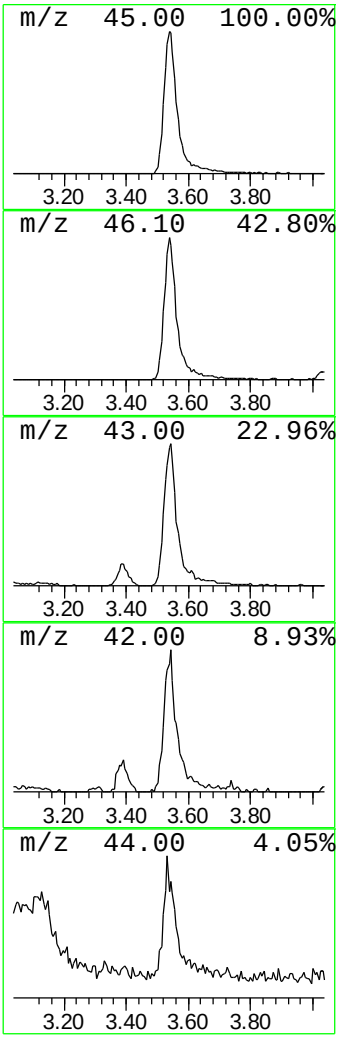
****

Peak Number 1 Ethanol Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.54	4.63 ug/L	177078	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol	46	C2H6O	000064-17-5	74
2	Ethanol	46	C2H6O	000064-17-5	64
3	Dimethyl ether	46	C2H6O	000115-10-6	9
4	Dimethyl ether	46	C2H6O	000115-10-6	9
5	Ethanol	46	C2H6O	000064-17-5	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111320\
Data File : VW017217.D
Acq On : 13 Nov 2020 17:00
Operator : SY/VA
Sample : L4710-23
Misc : 5.23G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AZ0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

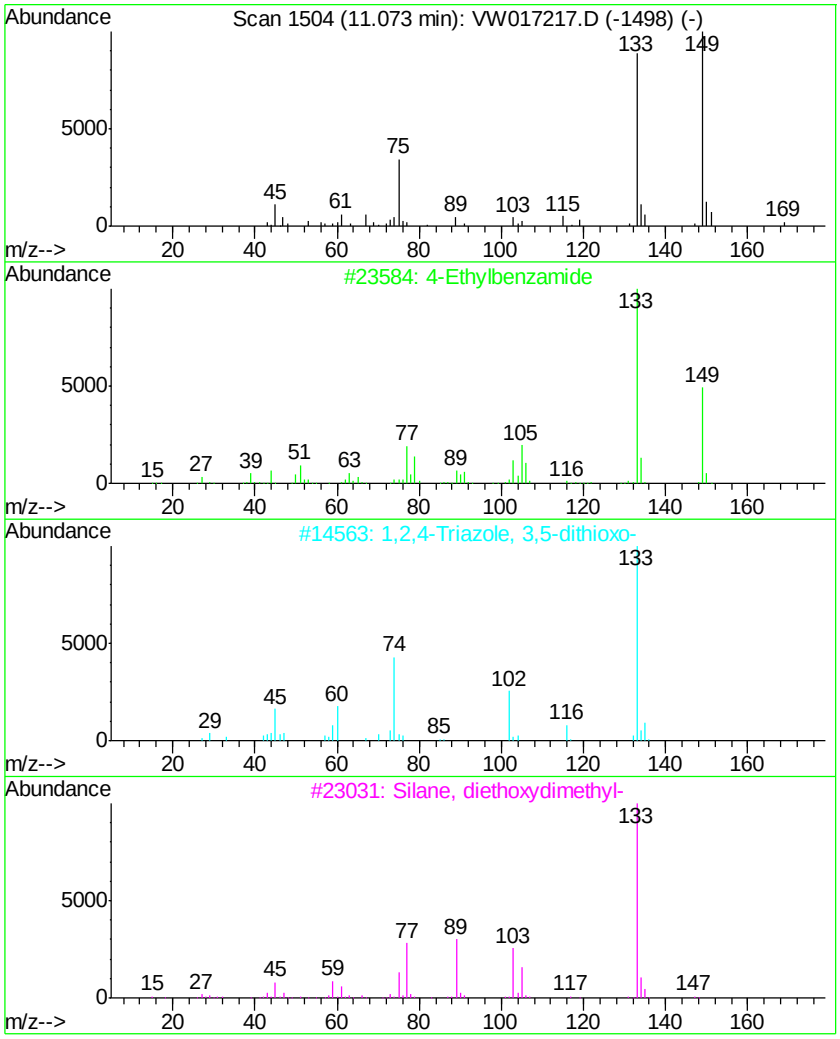
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

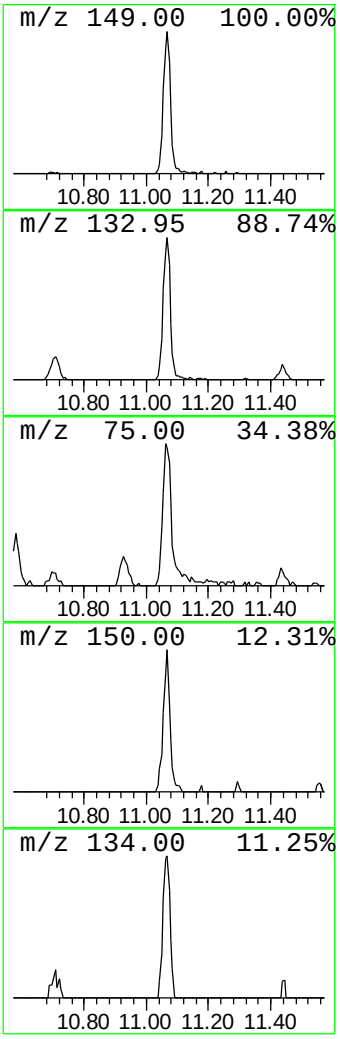
****

Peak Number 5 4-Ethylbenzamide Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	1.26 ug/L	51252	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Ethylbenzamide	149	C9H11NO	033695-58-8	50
2	1,2,4-Triazole, 3,5-dithioxo-	133	C2H3N3S2	005650-03-3	27
3	Silane, diethoxydimethyl-	148	C6H16O2Si	000078-62-6	25
4	4-Ethylbenzoic acid, 2-methoxyet...	208	C12H16O3	1000331-30-6	17
5	Silane, diethoxydimethyl-	148	C6H16O2Si	000078-62-6	17





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111320\
Data File : VW017217.D
Acq On : 13 Nov 2020 17:00
Operator : SY/VA
Sample : L4710-23
Misc : 5.23G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AZ0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

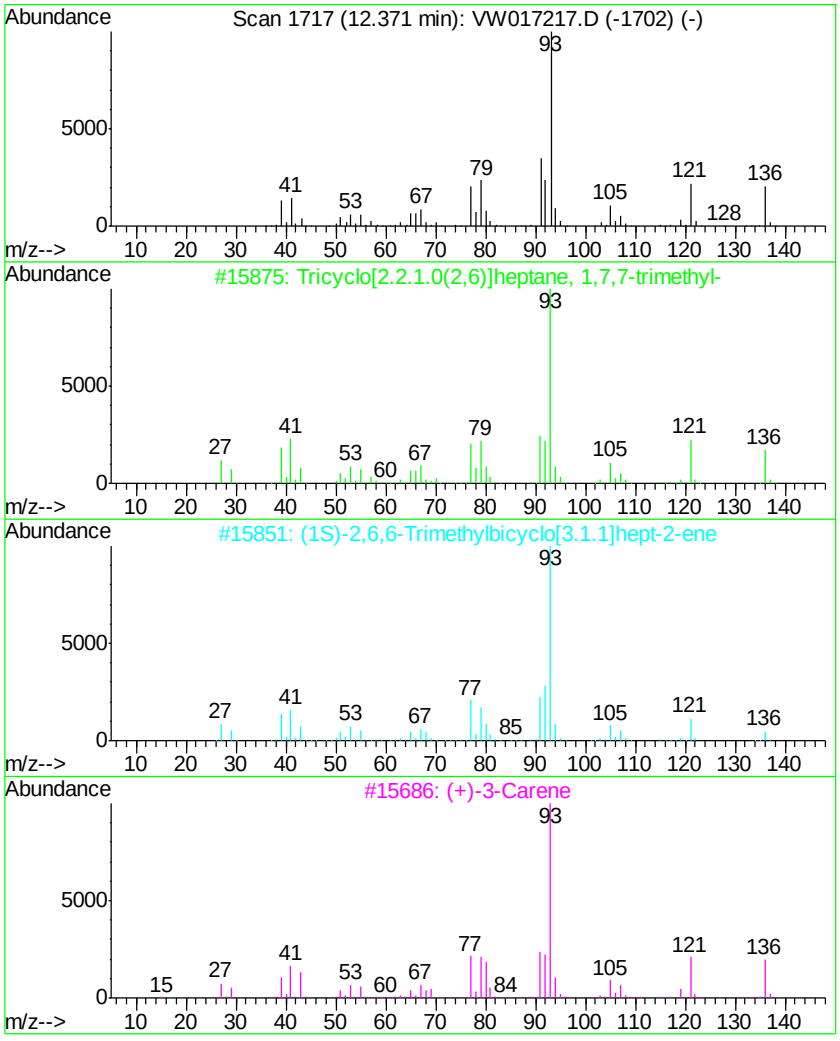
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

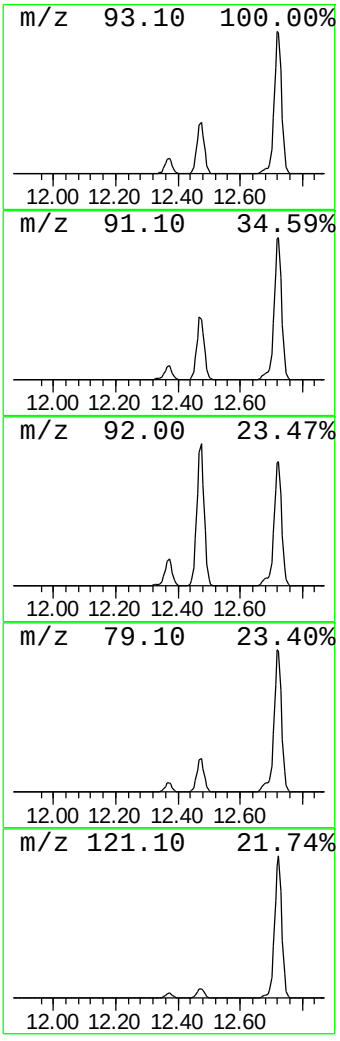
****

Peak Number 6 Tricyclo[2.2.1.0(2,6)]hepta... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	21.36 ug/L	870603	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	96
2	(1S)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-26-4	95
3	(+)-3-Carene	136	C10H16	000498-15-7	94
4	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	93
5	3-Carene	136	C10H16	013466-78-9	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111320\
Data File : VW017217.D
Acq On : 13 Nov 2020 17:00
Operator : SY/VA
Sample : L4710-23
Misc : 5.23G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AZ0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

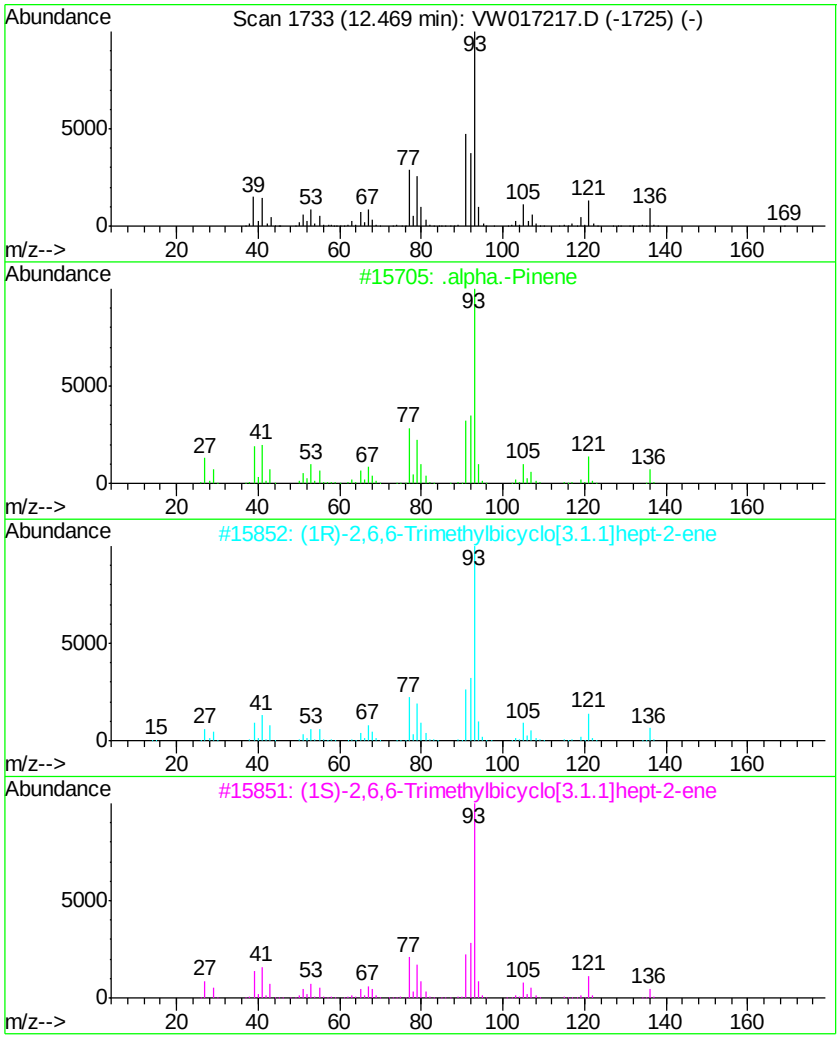
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

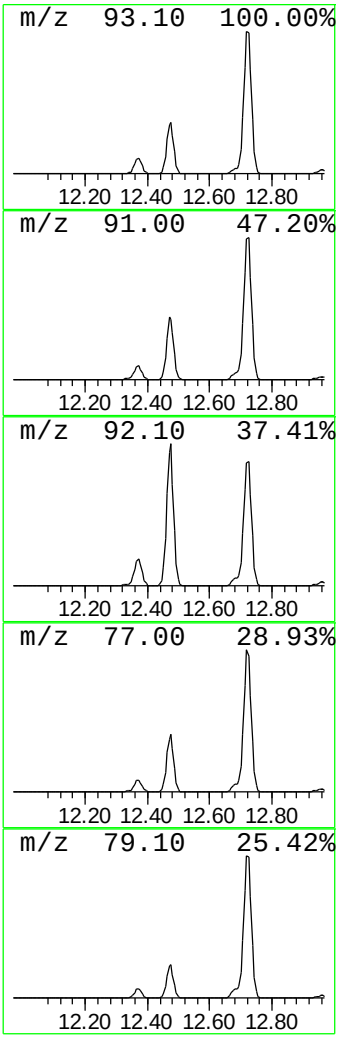
****

Peak Number 7 .alpha.-Pinene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	68.73 ug/L	2800880	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene	136	C10H16	000080-56-8	97
2	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	95
3	(1S)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-26-4	95
4	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	95
5	.alpha.-Pinene	136	C10H16	000080-56-8	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111320\
Data File : VW017217.D
Acq On : 13 Nov 2020 17:00
Operator : SY/VA
Sample : L4710-23
Misc : 5.23G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AZ0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

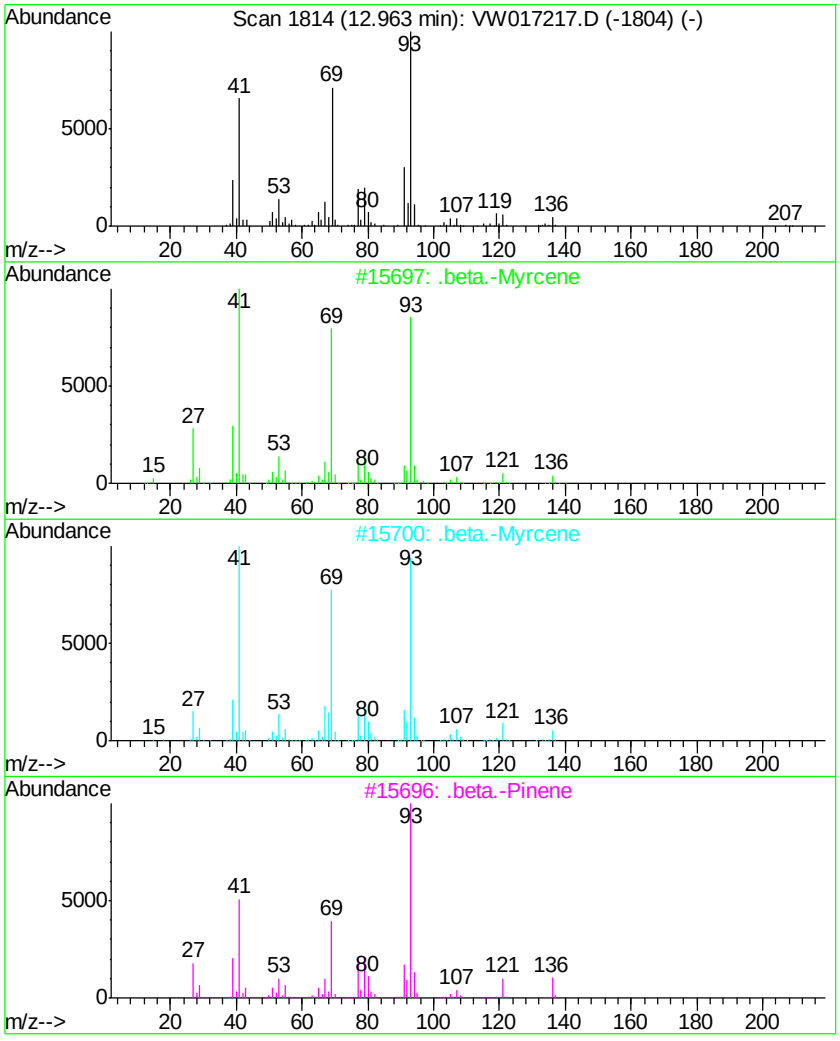
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

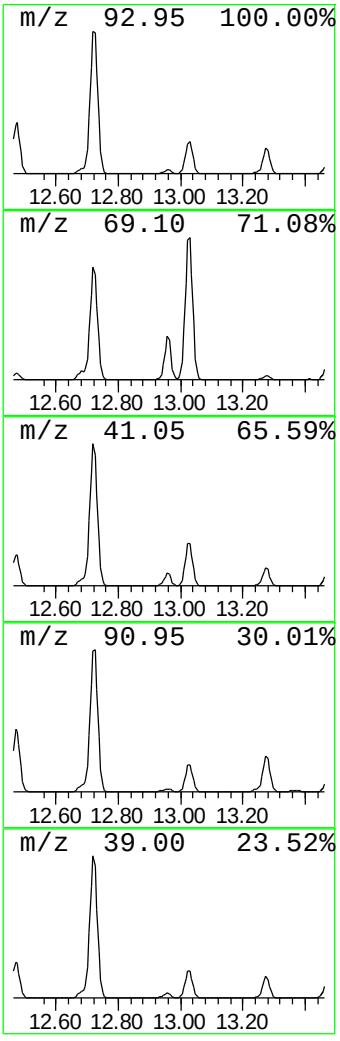
****

Peak Number 9 .beta.-Myrcene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	10.09 ug/L	303327	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Myrcene	136	C10H16	000123-35-3	90
2	.beta.-Myrcene	136	C10H16	000123-35-3	76
3	.beta.-Pinene	136	C10H16	000127-91-3	64
4	.beta.-Pinene	136	C10H16	000127-91-3	53
5	.beta.-Pinene	136	C10H16	000127-91-3	46





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111320\
Data File : VW017217.D
Acq On : 13 Nov 2020 17:00
Operator : SY/VA
Sample : L4710-23
Misc : 5.23G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AZ0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

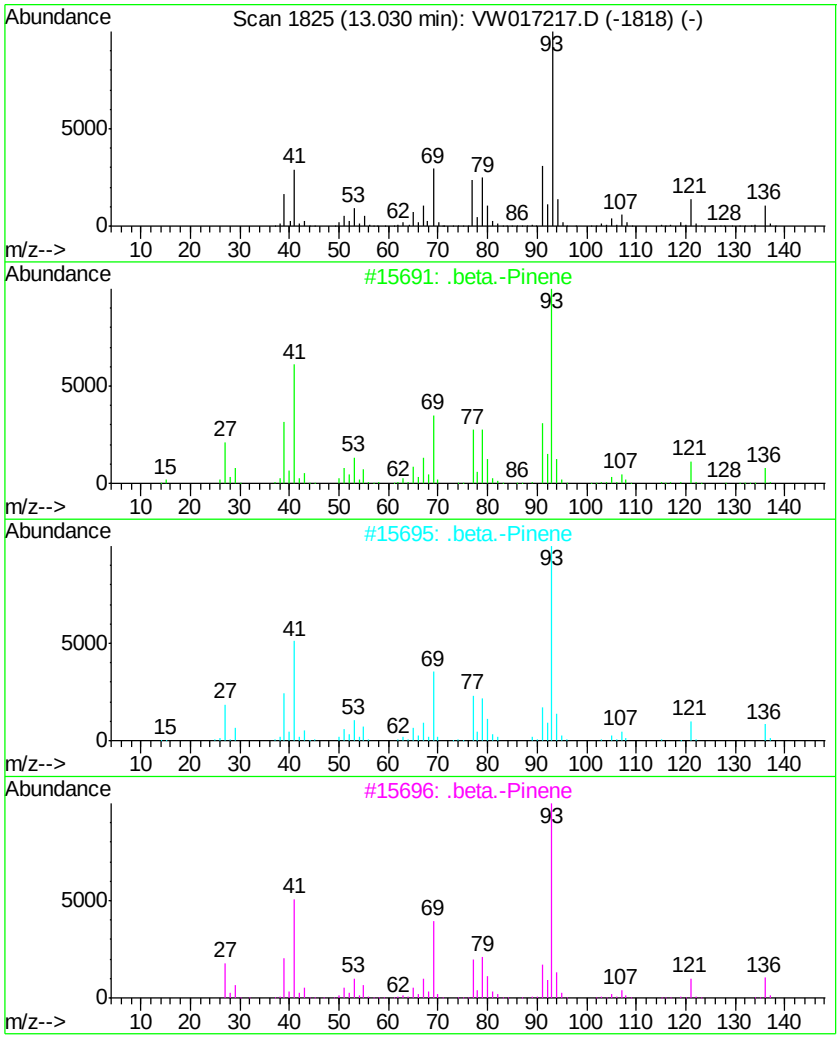
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

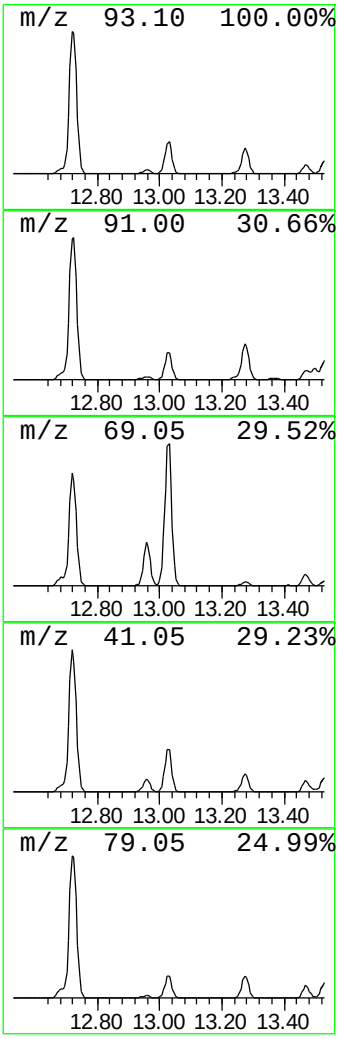
****

Peak Number 10 .beta.-Pinene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	59.06 ug/L	1774730	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Pinene	136	C10H16	000127-91-3	96
2	.beta.-Pinene	136	C10H16	000127-91-3	94
3	.beta.-Pinene	136	C10H16	000127-91-3	94
4	.alpha.-Pinene	136	C10H16	000080-56-8	93
5	Cyclohexene, 4-methylene-1-(1-me...	136	C10H16	000099-84-3	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111320\
Data File : VW017217.D
Acq On : 13 Nov 2020 17:00
Operator : SY/VA
Sample : L4710-23
Misc : 5.23G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AZ0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

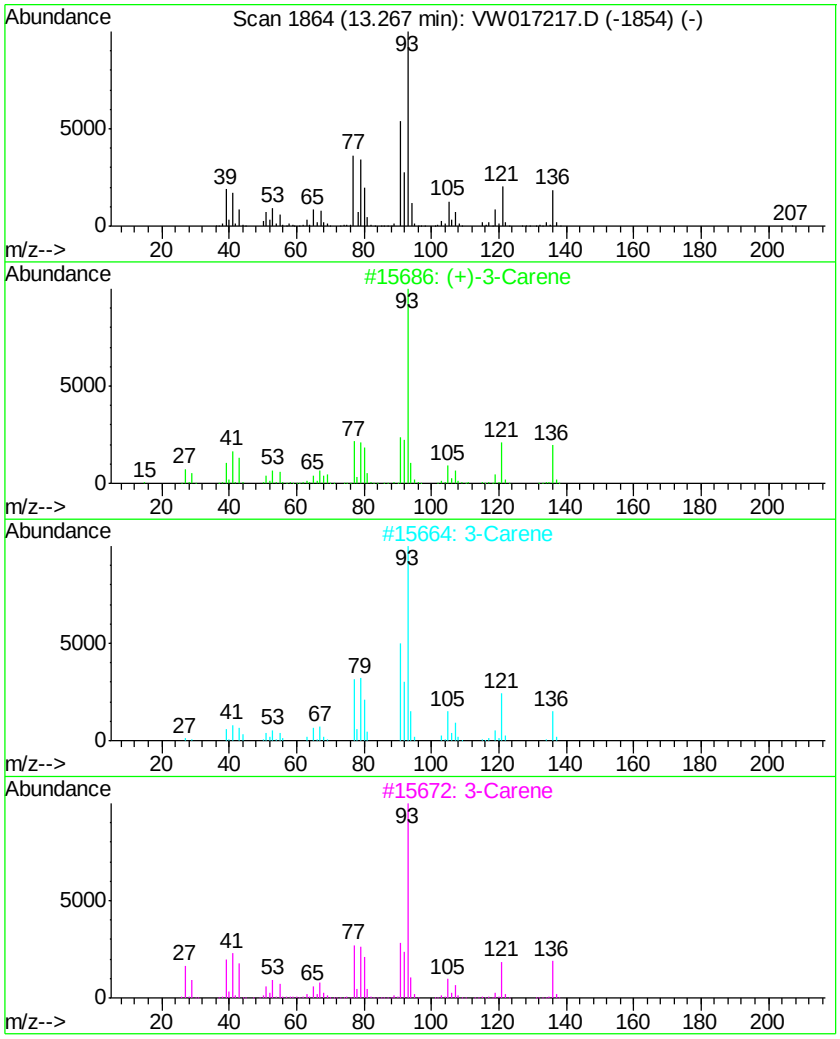
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

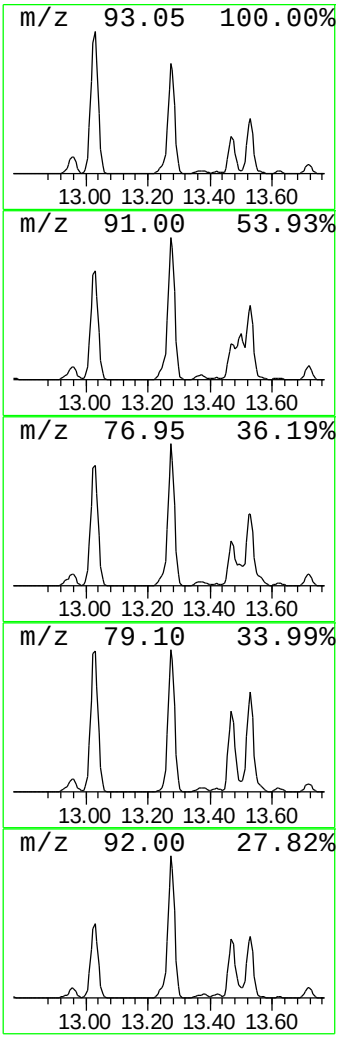
****

Peak Number 11 (+)-3-Carene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	54.87 ug/L	1648890	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(+)-3-Carene	136	C10H16	000498-15-7	95
2	3-Carene	136	C10H16	013466-78-9	95
3	3-Carene	136	C10H16	013466-78-9	95
4	(1S)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-26-4	95
5	.gamma.-Terpinene	136	C10H16	000099-85-4	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111320\
Data File : VW017217.D
Acq On : 13 Nov 2020 17:00
Operator : SY/VA
Sample : L4710-23
Misc : 5.23G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AZ0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

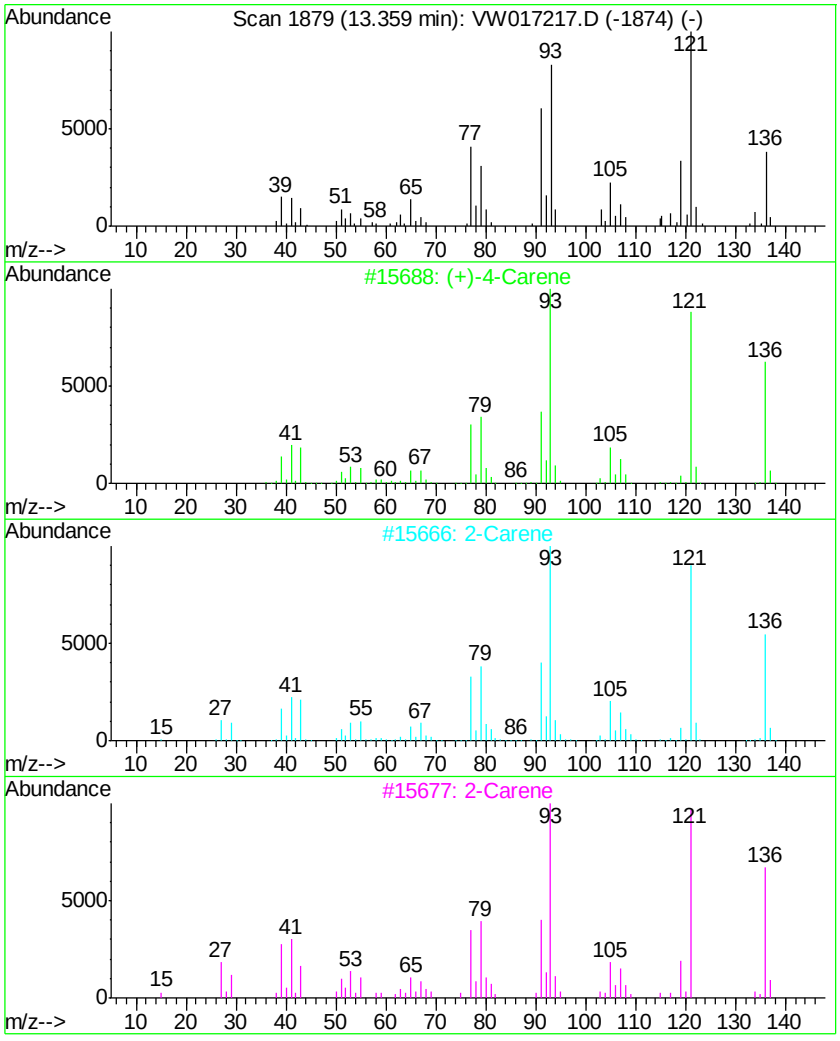
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

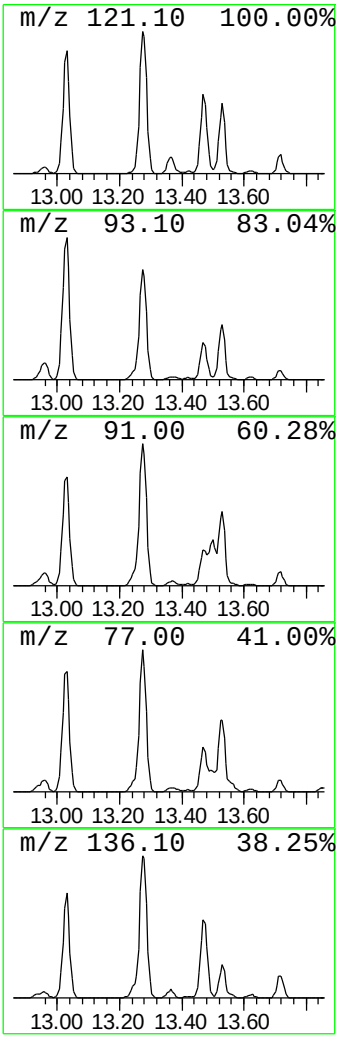
****

Peak Number 12 (+)-4-Carene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.36	2.53 ug/L	76111	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(+)-4-Carene	136	C10H16	029050-33-7	97
2	2-Carene	136	C10H16	000554-61-0	96
3	2-Carene	136	C10H16	000554-61-0	96
4	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	000586-62-9	96
5	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	000586-62-9	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111320\
Data File : VW017217.D
Acq On : 13 Nov 2020 17:00
Operator : SY/VA
Sample : L4710-23
Misc : 5.23G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AZ0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

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

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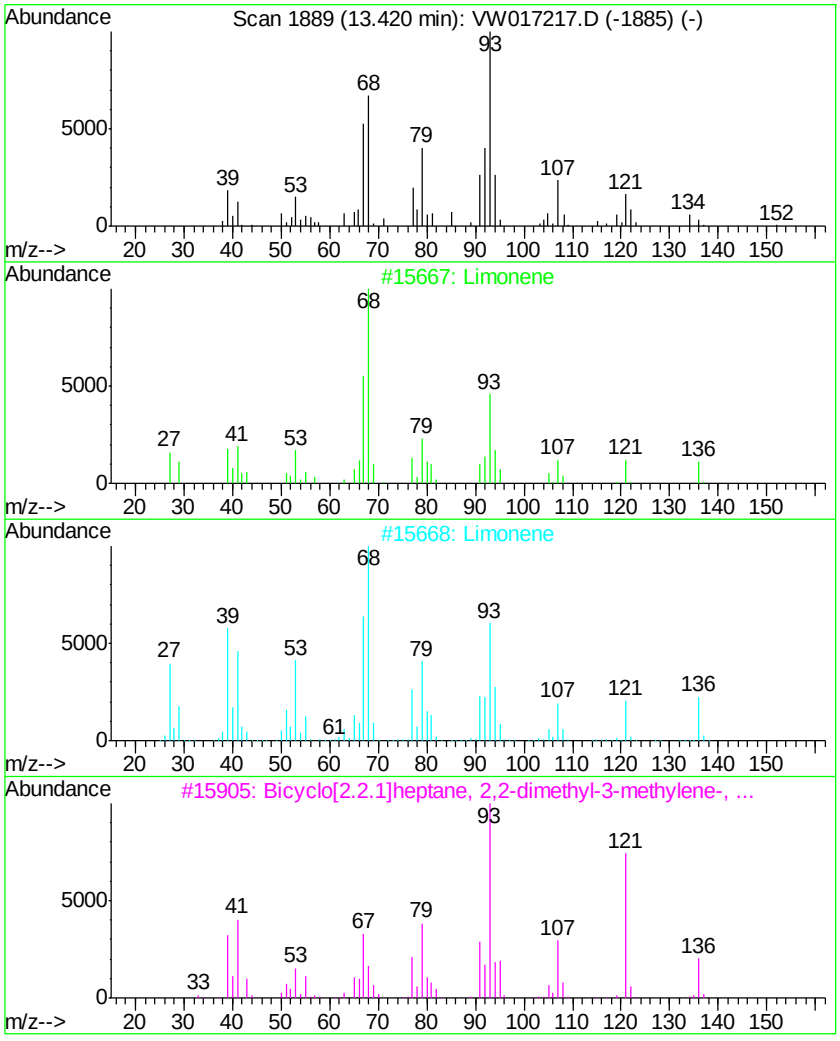
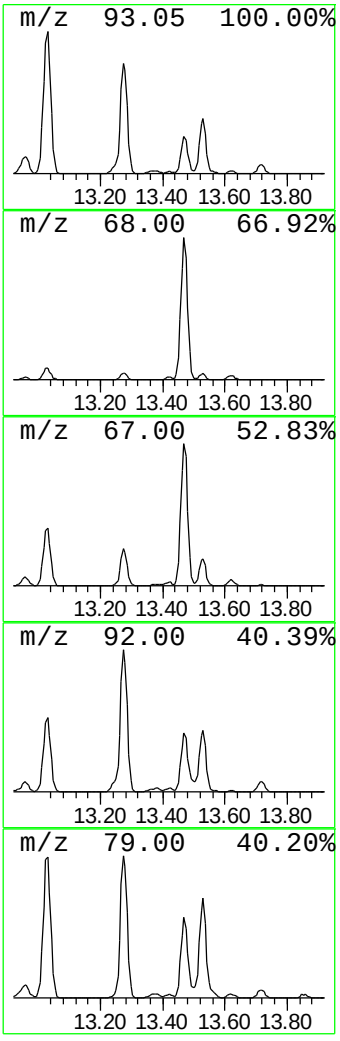
Peak Number 13 Limonene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.42	1.65 ug/L	49642	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Limonene	136	C10H16	000138-86-3	68
2	Limonene	136	C10H16	000138-86-3	47
3	Bicyclo[2.2.1]heptane, 2,2-dimet...	136	C10H16	005794-04-7	38
4	Cyclohexane, cyclopropylidene-	122	C9H14	014114-06-8	38
5	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111320\
Data File : VW017217.D
Acq On : 13 Nov 2020 17:00
Operator : SY/VA
Sample : L4710-23
Misc : 5.23G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AZ0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

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

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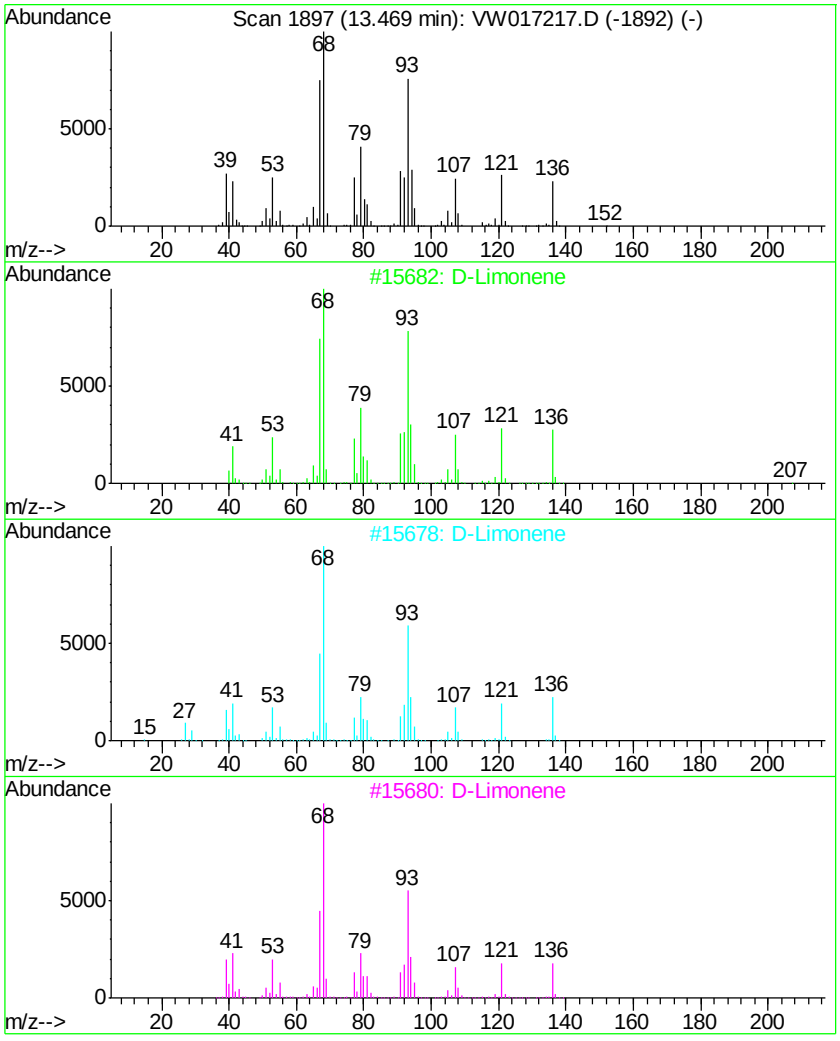
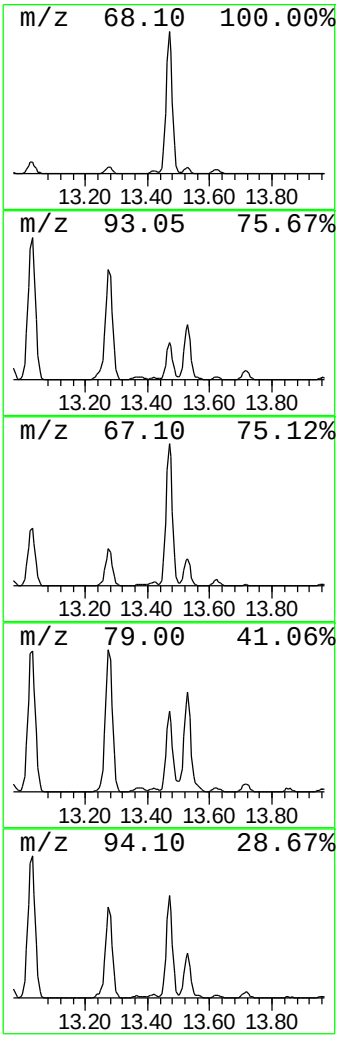
Peak Number 14 D-Limonene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	35.15 ug/L	1056180	1,4-Dichlorobenzene-d4	13.56

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	D-Limonene	136	C10H16	005989-27-5	94
4	Limonene	136	C10H16	000138-86-3	94
5	Limonene	136	C10H16	000138-86-3	89





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111320\
Data File : VW017217.D
Acq On : 13 Nov 2020 17:00
Operator : SY/VA
Sample : L4710-23
Misc : 5.23G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AZ0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

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

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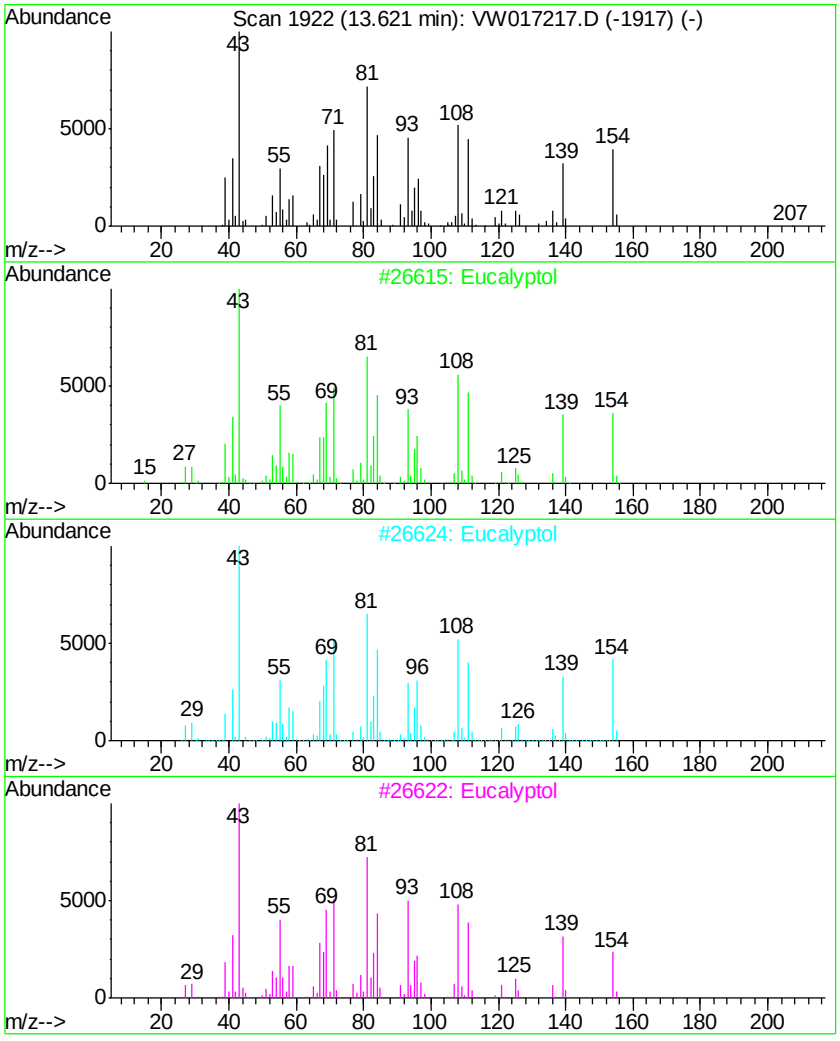
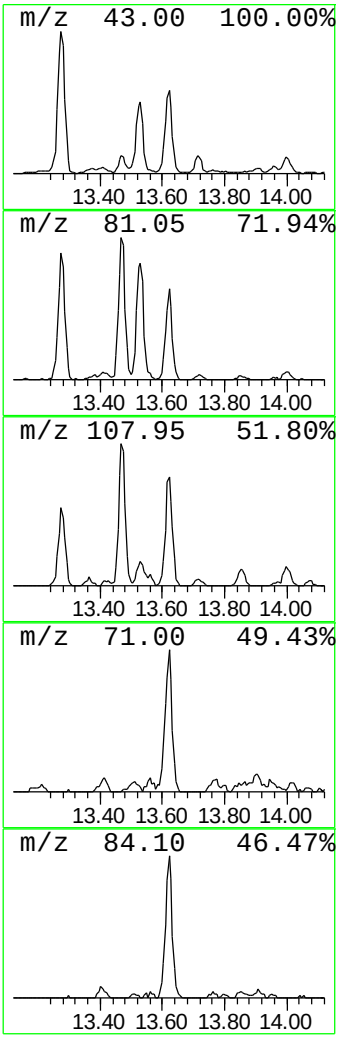
Peak Number 15 Eucalyptol Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.62	5.30 ug/L	159340	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eucalyptol	154	C10H18O	000470-82-6	99
2	Eucalyptol	154	C10H18O	000470-82-6	98
3	Eucalyptol	154	C10H18O	000470-82-6	93
4	Eucalyptol	154	C10H18O	000470-82-6	91
5	Trifluoroacetyl-.alpha.-terpineol	250	C12H17F3O2	1000058-17-6	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111320\
Data File : VW017217.D
Acq On : 13 Nov 2020 17:00
Operator : SY/VA
Sample : L4710-23
Misc : 5.23G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AZ0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

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

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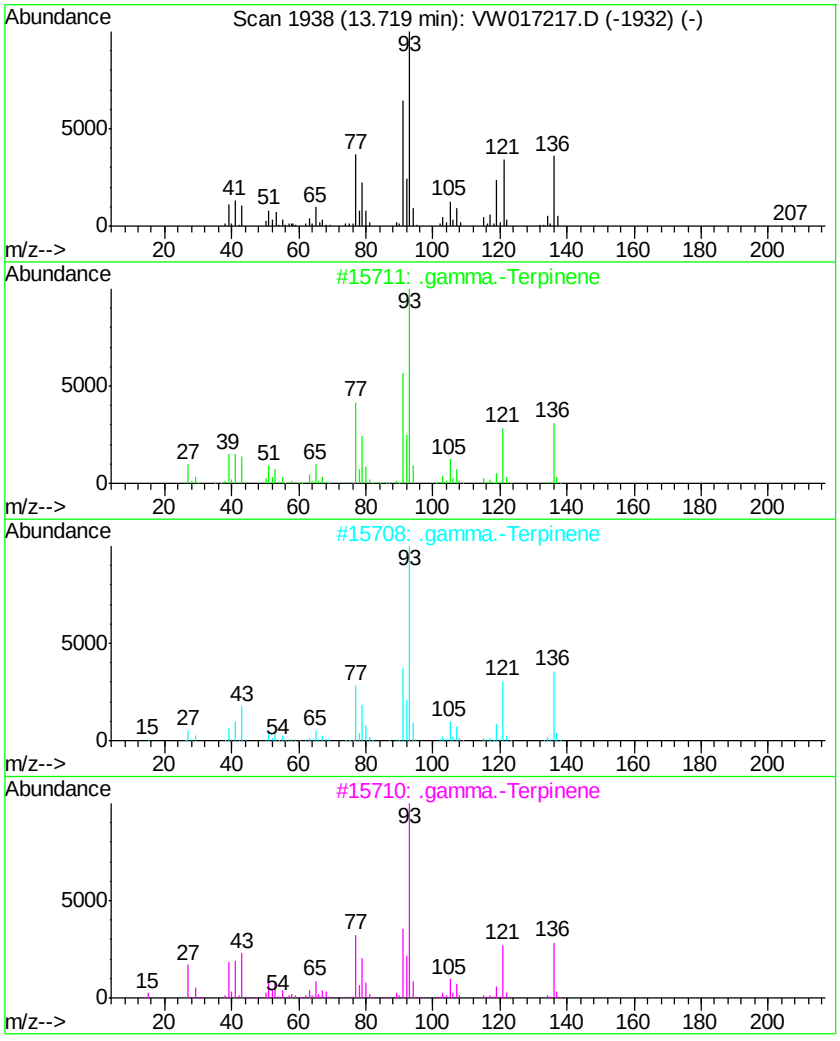
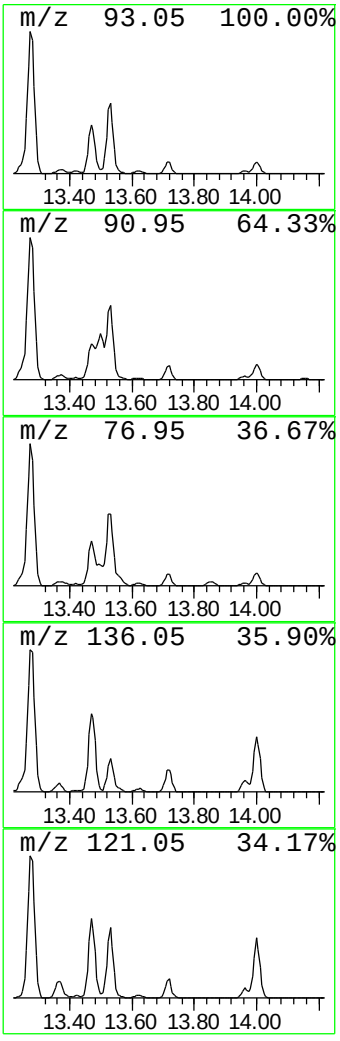
Peak Number 16 .gamma.-Terpinene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	4.37 ug/L	131394	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Terpinene	136	C10H16	000099-85-4	96
2	.gamma.-Terpinene	136	C10H16	000099-85-4	94
3	.gamma.-Terpinene	136	C10H16	000099-85-4	94
4	.gamma.-Terpinene	136	C10H16	000099-85-4	93
5	(+)-3-Carene	136	C10H16	000498-15-7	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111320\
Data File : VW017217.D
Acq On : 13 Nov 2020 17:00
Operator : SY/VA
Sample : L4710-23
Misc : 5.23G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AZ0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

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

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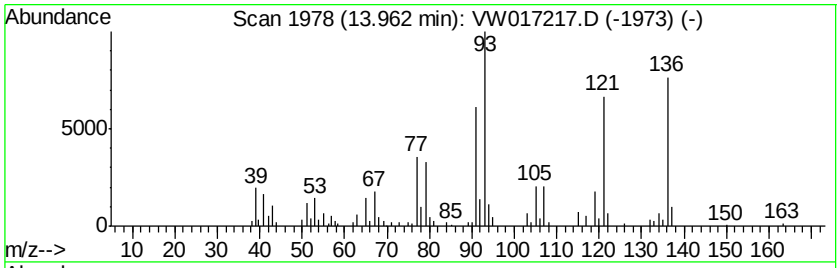
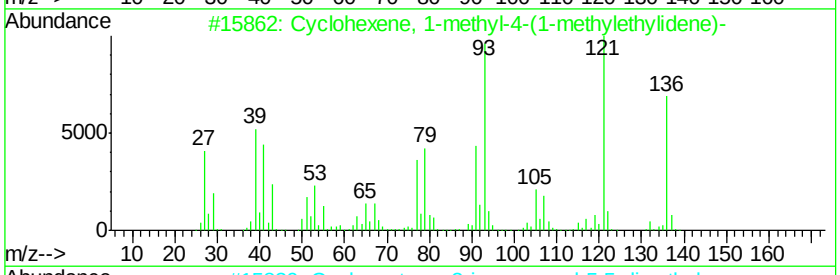
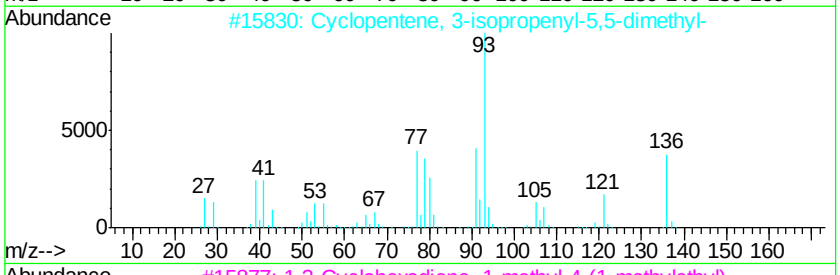
Peak Number 17 Cyclohexene, 1-methyl-4-(1-... Concentration Rank 22

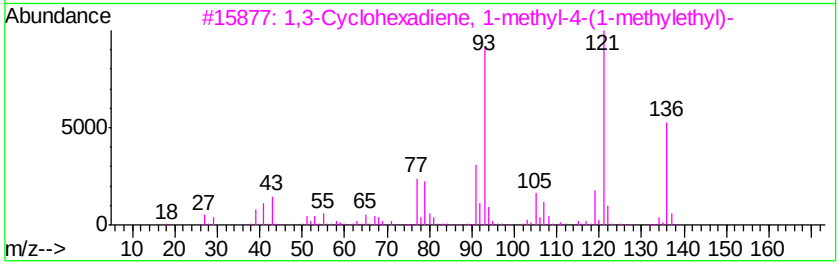
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.96	1.46 ug/L	43774	1,4-Dichlorobenzene-d4	13.56

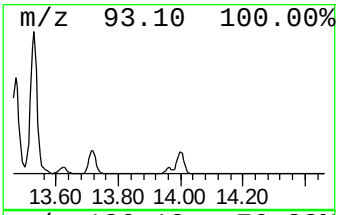
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	000586-62-9	91
2	Cyclopentene, 3-isopropenyl-5,5-...	136	C10H16	1000162-25-4	91
3	1,3-Cyclohexadiene, 1-methyl-4-(...	136	C10H16	000099-86-5	90
4	.gamma.-Terpinene	136	C10H16	000099-85-4	90
5	3-Carene	136	C10H16	013466-78-9	90

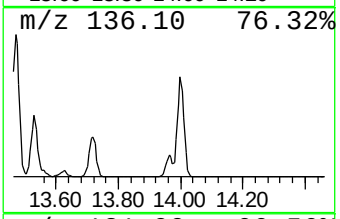


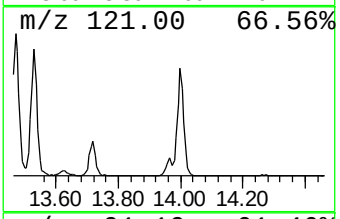


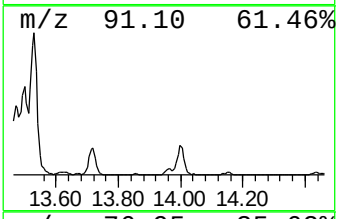


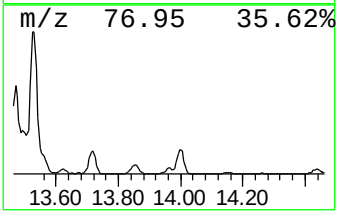












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111320\
Data File : VW017217.D
Acq On : 13 Nov 2020 17:00
Operator : SY/VA
Sample : L4710-23
Misc : 5.23G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AZ0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

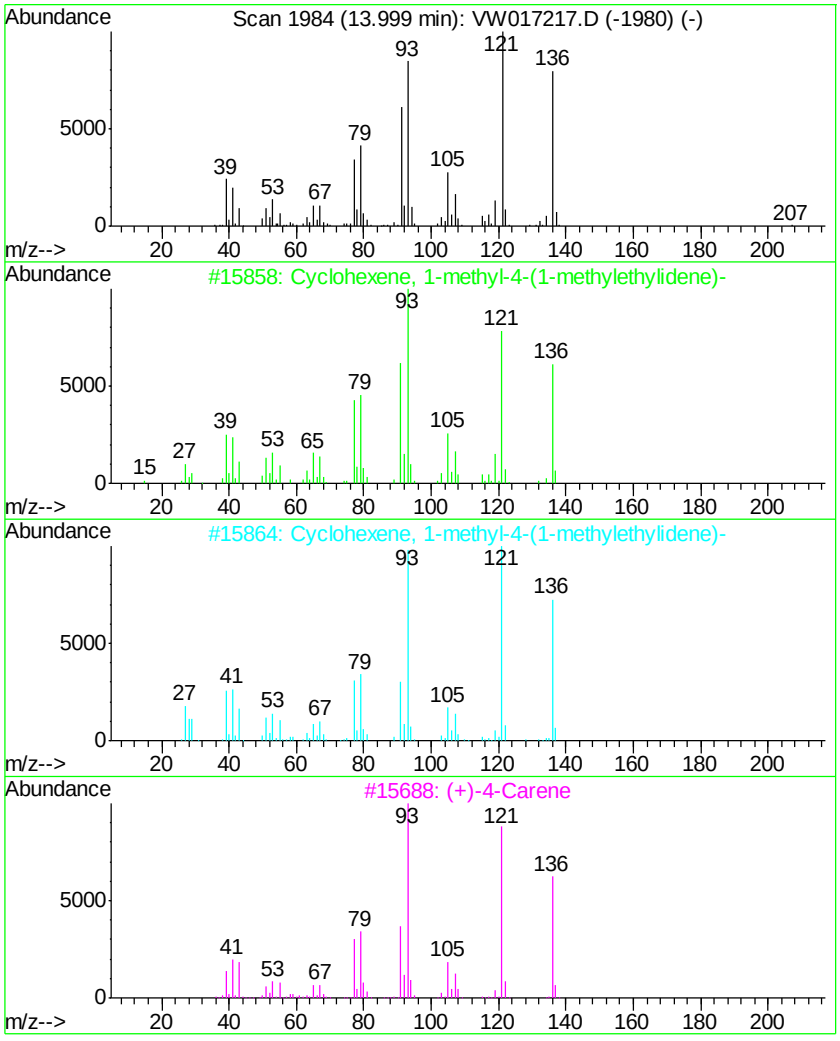
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

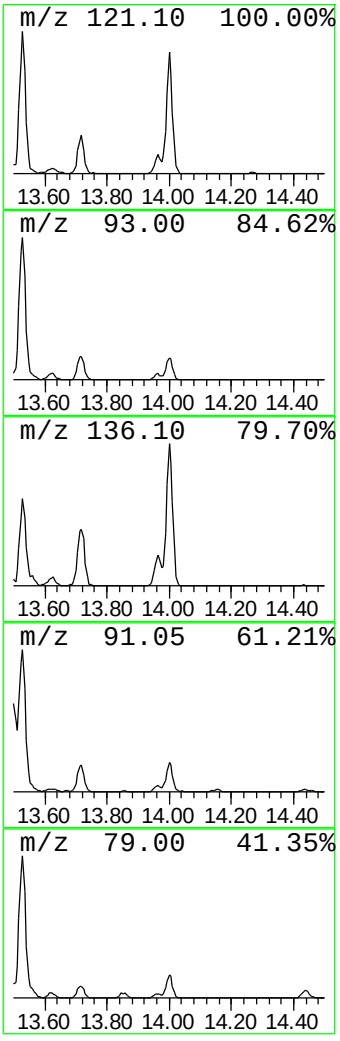
****

Peak Number 18 1,3-Cyclohexadiene, 1-methy... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.00	6.52 ug/L	196041	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	000586-62-9	97
2	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	000586-62-9	96
3	(+)-4-Carene	136	C10H16	029050-33-7	95
4	1,3-Cyclohexadiene, 1-methyl-4-(...	136	C10H16	000099-86-5	95
5	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	000586-62-9	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111320\
Data File : VW017217.D
Acq On : 13 Nov 2020 17:00
Operator : SY/VA
Sample : L4710-23
Misc : 5.23G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AZ0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

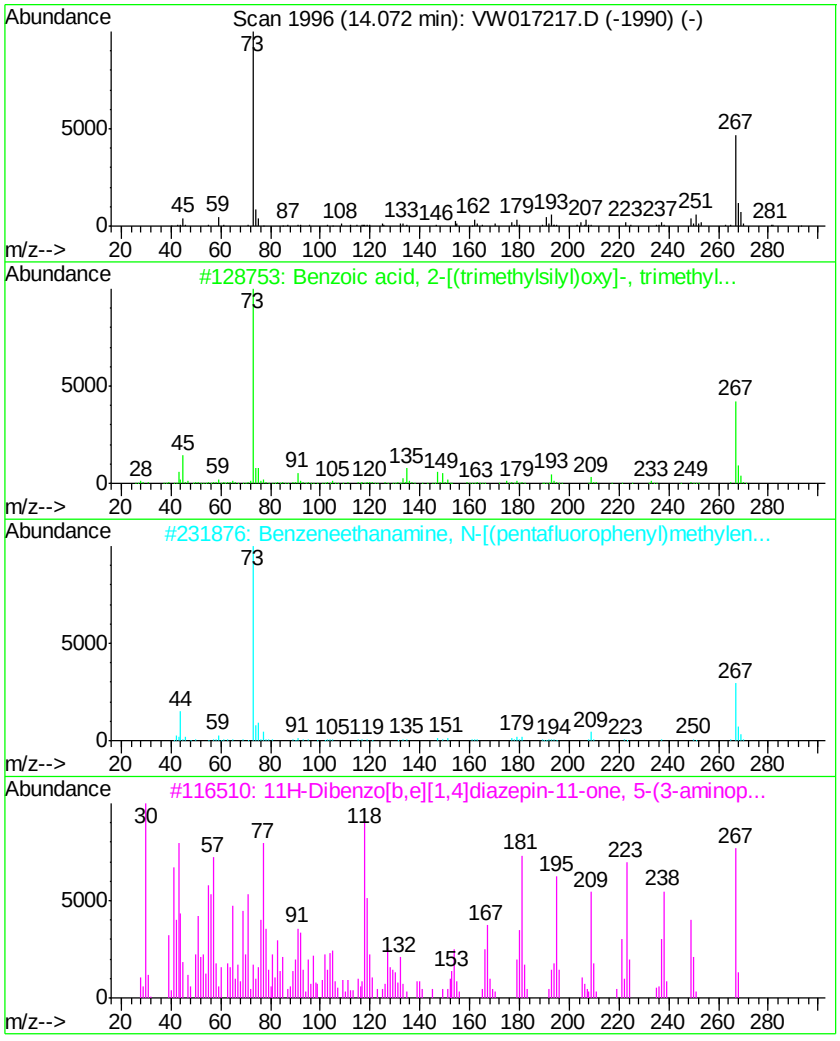
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

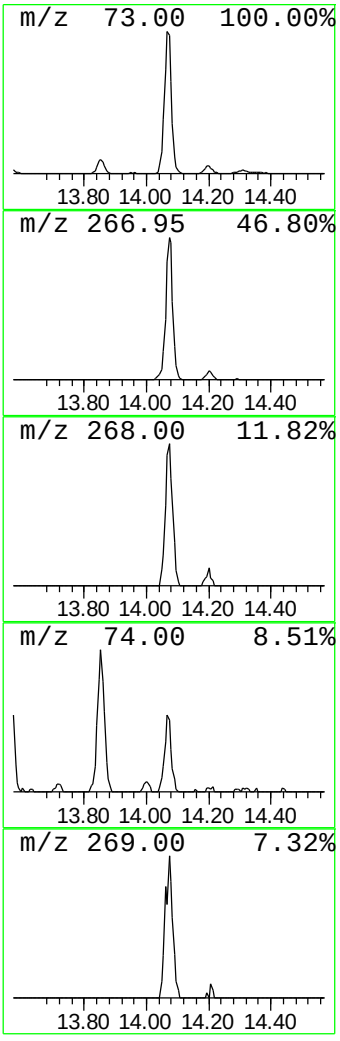
****

Peak Number 19 Benzoic acid, 2-[(trimethyl... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.07	2.84 ug/L	85427	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 2-[(trimethylsilyl...	282	C13H22O3Si2	003789-85-3	64
2	Benzeneethanamine, N-[(pentafluo...	475	C21H26F5NO2Si2	055429-85-1	56
3	11H-Dibenzo[b,e][1,4]diazepin-11...	267	C16H17N3O	013450-73-2	46
4	Benzoic acid, 2-[(trimethylsilyl...	282	C13H22O3Si2	003789-85-3	39
5	Benzoic acid, 2-[(trimethylsilyl...	282	C13H22O3Si2	003789-85-3	28





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111320\
Data File : VW017217.D
Acq On : 13 Nov 2020 17:00
Operator : SY/VA
Sample : L4710-23
Misc : 5.23G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AZ0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

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

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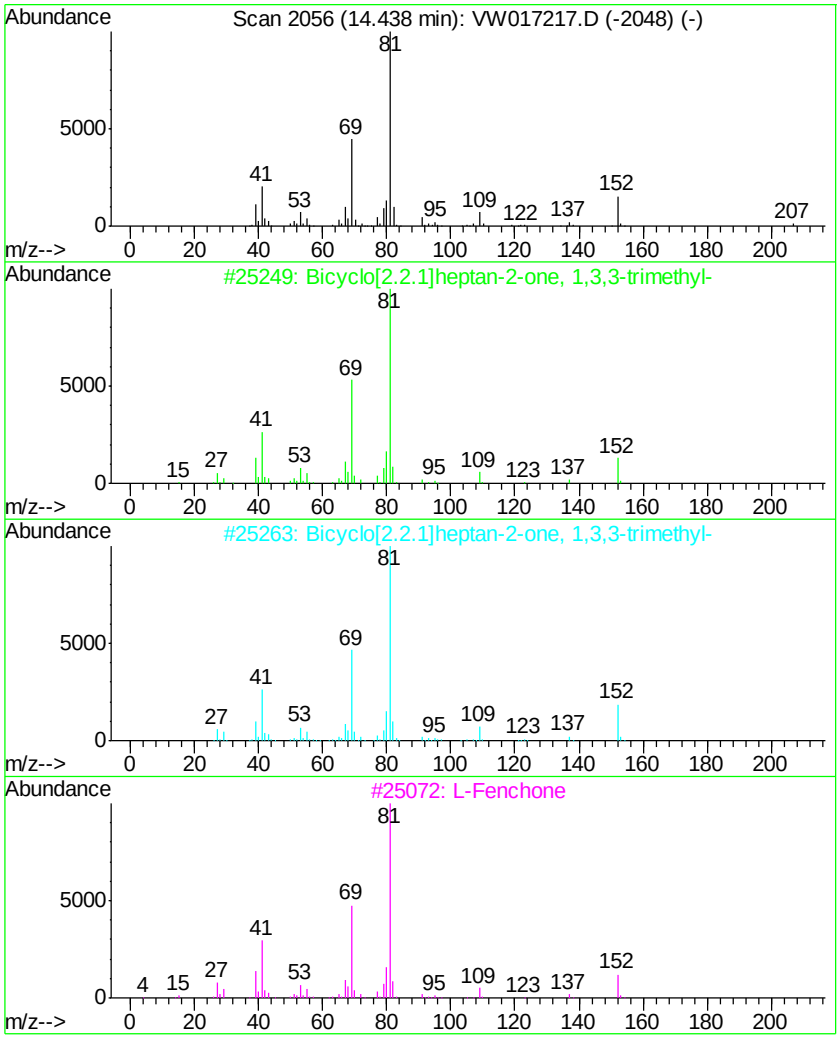
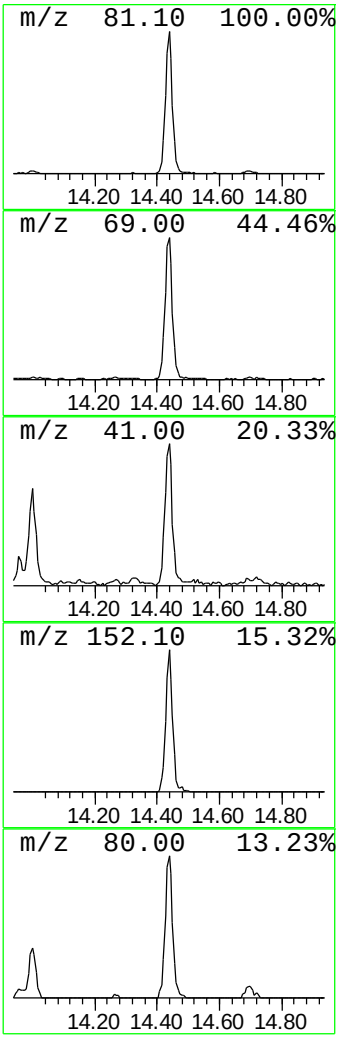
Peak Number 20 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.44	4.70 ug/L	141225	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	94
2	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	94
3	L-Fenchone	152	C10H16O	007787-20-4	91
4	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	91
5	D-Fenchone	152	C10H16O	004695-62-9	90





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Data File : VW017217.D
Acq On : 13 Nov 2020 17:00
Operator : SY/VA
Sample : L4710-23
Misc : 5.23G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AZ0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

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

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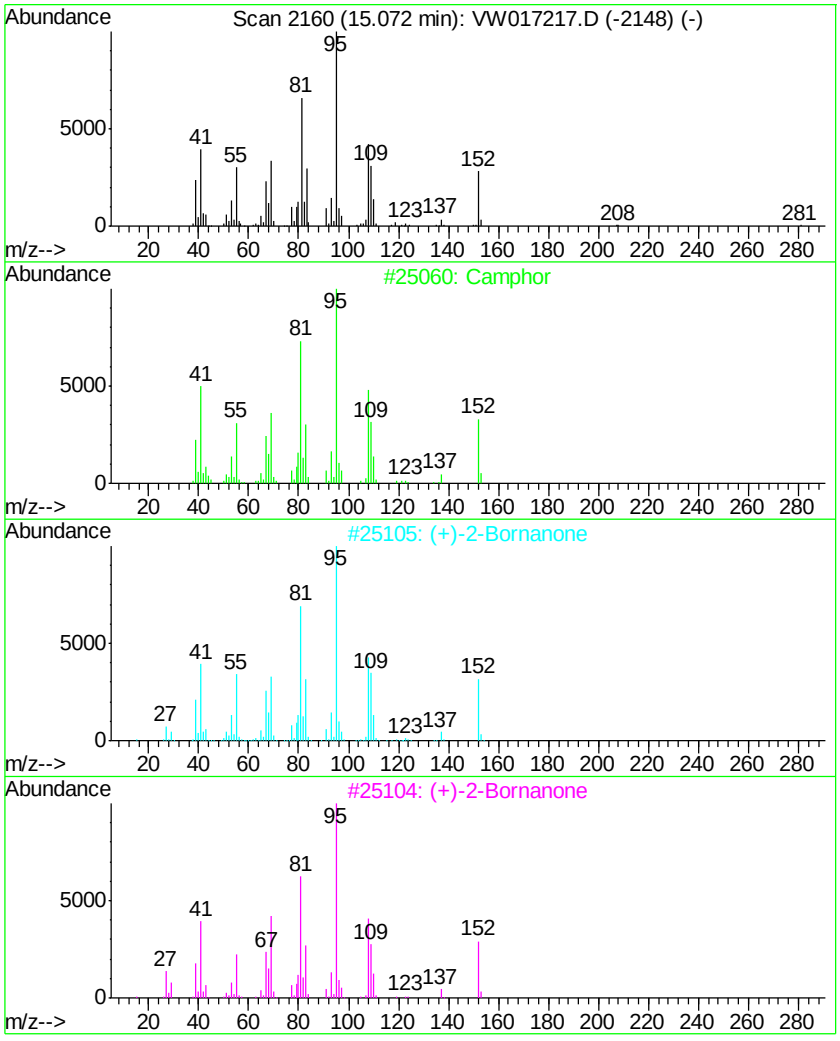
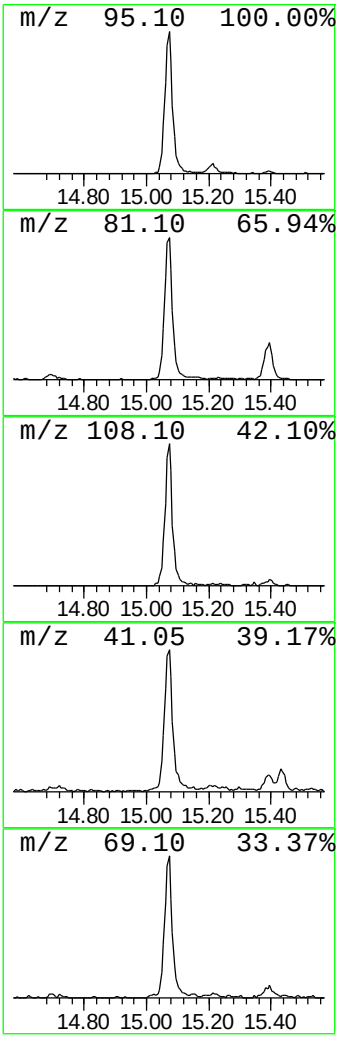
Peak Number 21 Camphor Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	9.09 ug/L	273237	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Camphor	152	C10H16O	000076-22-2	98
2	(+)-2-Bornanone	152	C10H16O	000464-49-3	98
3	(+)-2-Bornanone	152	C10H16O	000464-49-3	98
4	Camphor	152	C10H16O	000076-22-2	98
5	Camphor	152	C10H16O	000076-22-2	98





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111320\
Data File : VW017217.D
Acq On : 13 Nov 2020 17:00
Operator : SY/VA
Sample : L4710-23
Misc : 5.23G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AZ0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

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

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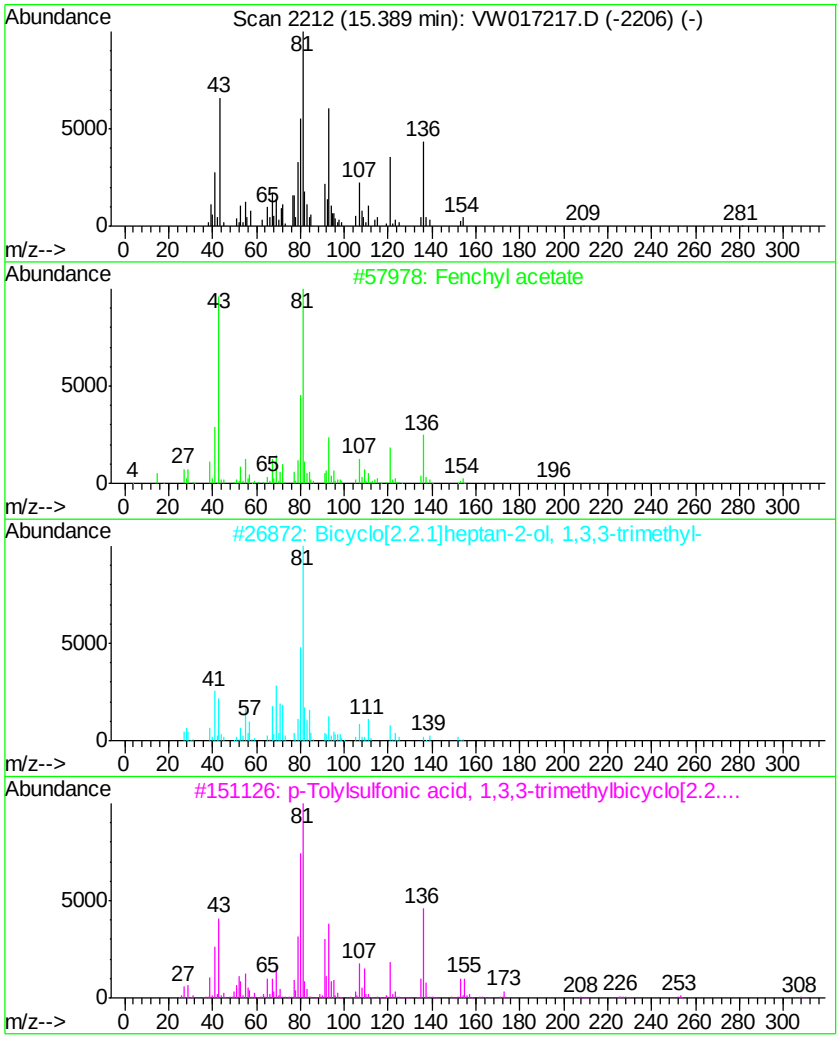
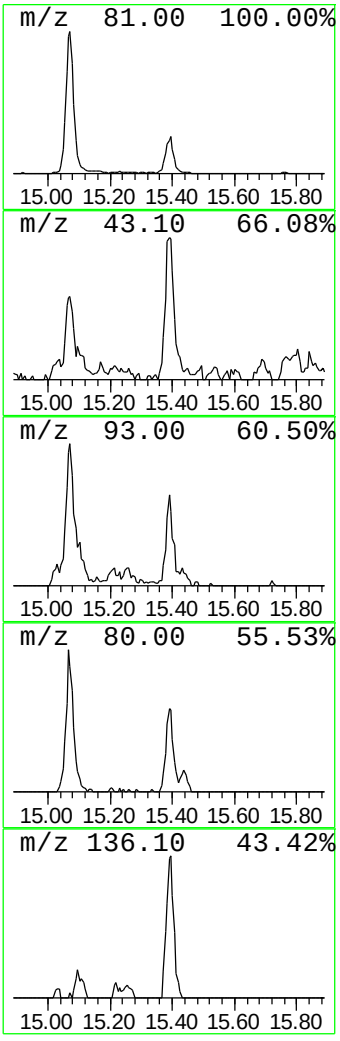
Peak Number 22 Fenchyl acetate Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.39	1.60 ug/L	48041	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fenchyl acetate	196	C12H20O2	013851-11-1	78
2	Bicyclo[2.2.1]heptan-2-ol, 1,3,3...	154	C10H18O	001632-73-1	64
3	p-Tolylsulfonic acid, 1,3,3-trim...	308	C17H24O3S	1000196-53-0	64
4	3-Cyclohexen-1-ol, 1-methyl-4-(1...	154	C10H18O	000586-82-3	52
5	Bicyclo[4.1.0]heptan-3-ol, 4,7,7...	154	C10H18O	038748-96-8	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111320\
Data File : VW017217.D
Acq On : 13 Nov 2020 17:00
Operator : SY/VA
Sample : L4710-23
Misc : 5.23G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AZ0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

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

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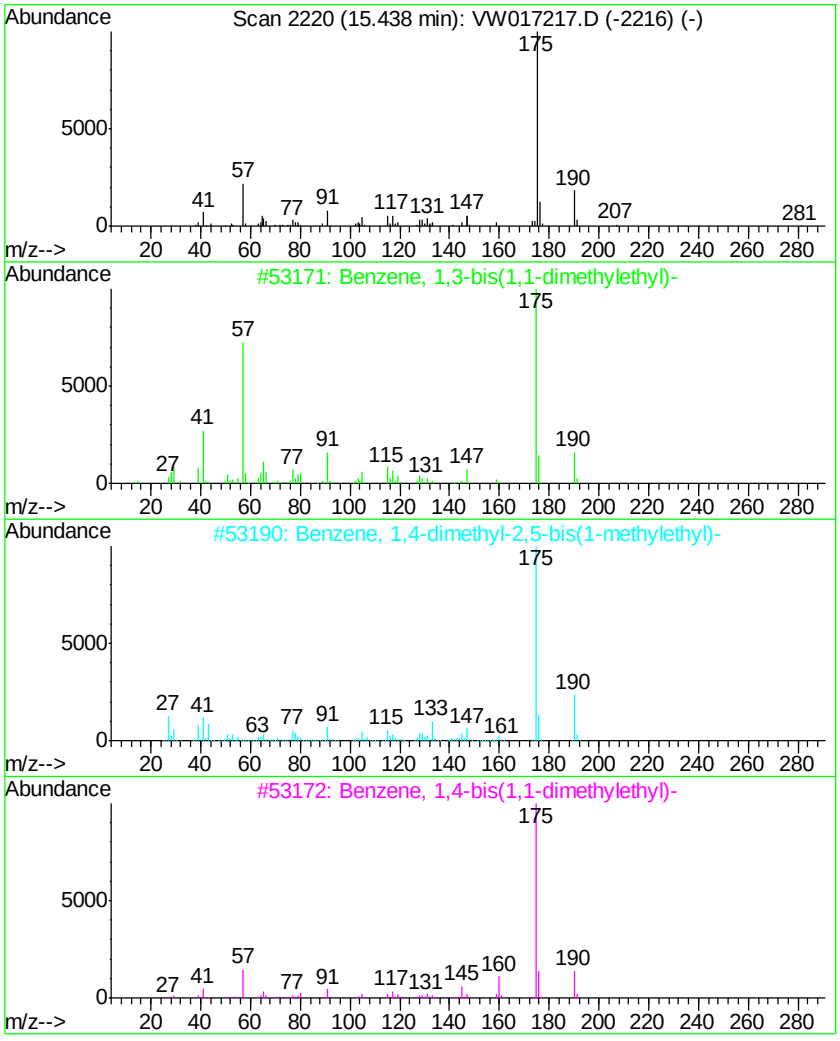
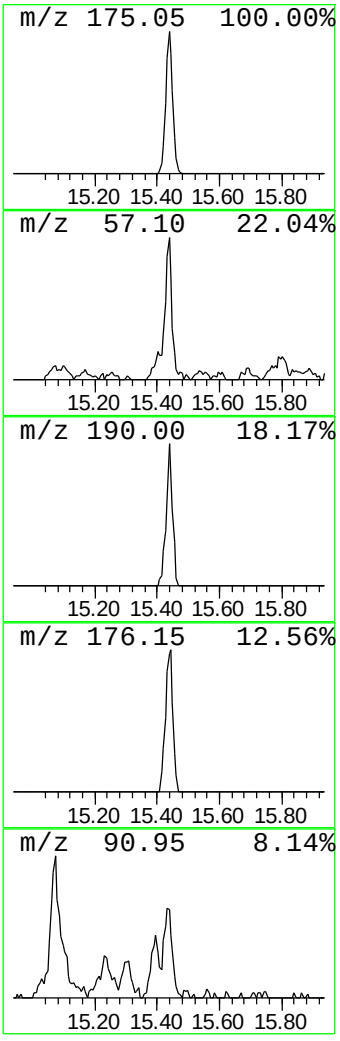
Peak Number 23 Benzene, 1,3-bis(1,1-dimeth... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.44	1.73 ug/L	52002	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-bis(1,1-dimethyleth...	190	C14H22	001014-60-4	87
2	Benzene, 1,4-dimethyl-2,5-bis(1-...	190	C14H22	010375-96-9	80
3	Benzene, 1,4-bis(1,1-dimethyleth...	190	C14H22	001012-72-2	72
4	Benzene, 1,3-bis(1,1-dimethyleth...	190	C14H22	001014-60-4	72
5	m-Cymene, 5-tert-butyl-	190	C14H22	029577-19-3	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111320\
Data File : VW017217.D
Acq On : 13 Nov 2020 17:00
Operator : SY/VA
Sample : L4710-23
Misc : 5.23G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AZ0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

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

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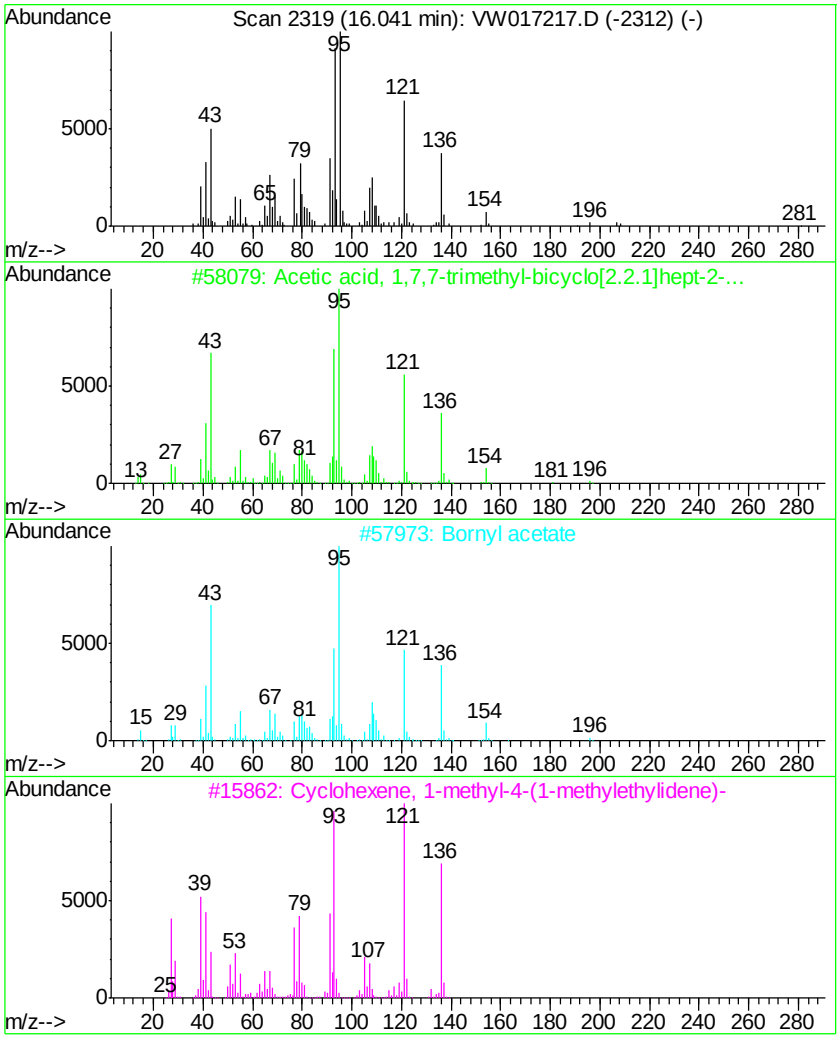
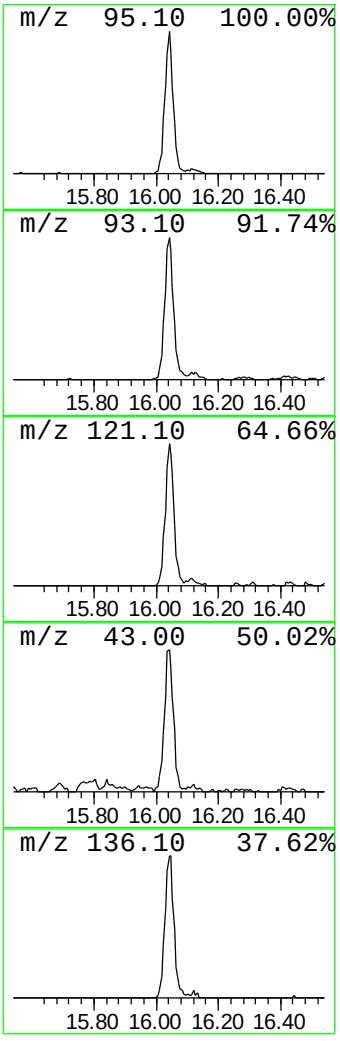
Peak Number 24 Acetic acid, 1,7,7-trimethy... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	5.49 ug/L	165006	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, 1,7,7-trimethyl-bic...	196	C12H20O2	092618-89-8	96
2	Bornyl acetate	196	C12H20O2	000076-49-3	89
3	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	000586-62-9	64
4	Bicyclo[2.2.1]heptan-2-ol, 1,7,7...	196	C12H20O2	005655-61-8	64
5	Exo-tricyclo[5.2.1.0(2.6)]decane	136	C10H16	1000215-28-7	60





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111320\
Data File : VW017217.D
Acq On : 13 Nov 2020 17:00
Operator : SY/VA
Sample : L4710-23
Misc : 5.23G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AZ0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.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
Ethanol	3.54	4.6	ug/L	177078	1	8.85	955970	25.0
4-Ethylbenzamide	11.07	1.3	ug/L	51252	2	11.63	1018790	25.0
Tricyclo[2.2.1.0(...	12.37	21.4	ug/L	870603	2	11.63	1018790	25.0
.alpha.-Pinene	12.47	68.7	ug/L	2800880	2	11.63	1018790	25.0
.beta.-Myrcene	12.96	10.1	ug/L	303327	3	13.56	751260	25.0
.beta.-Pinene	13.03	59.1	ug/L	1774730	3	13.56	751260	25.0
(+)-3-Carene	13.27	54.9	ug/L	1648890	3	13.56	751260	25.0
(+)-4-Carene	13.36	2.5	ug/L	76111	3	13.56	751260	25.0
Limonene	13.42	1.6	ug/L	49642	3	13.56	751260	25.0
D-Limonene	13.47	35.1	ug/L	1056180	3	13.56	751260	25.0
Eucalyptol	13.62	5.3	ug/L	159340	3	13.56	751260	25.0
.gamma.-Terpinene	13.72	4.4	ug/L	131394	3	13.56	751260	25.0
Cyclohexene, 1-me...	13.96	1.5	ug/L	43774	3	13.56	751260	25.0
1,3-Cyclohexadien...	14.00	6.5	ug/L	196041	3	13.56	751260	25.0
Benzoic acid, 2-[...	14.07	2.8	ug/L	85427	3	13.56	751260	25.0
Bicyclo[2.2.1]hep...	14.44	4.7	ug/L	141225	3	13.56	751260	25.0
Camphor	15.07	9.1	ug/L	273237	3	13.56	751260	25.0
Fenchyl acetate	15.39	1.6	ug/L	48041	3	13.56	751260	25.0
Benzene, 1,3-bis(...	15.44	1.7	ug/L	52002	3	13.56	751260	25.0
Acetic acid, 1,7,...	16.04	5.5	ug/L	165006	3	13.56	751260	25.0