LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111920\
Data File : VW017384.D
Acq On : 19 Nov 2020 21:12
Operator : SY/VA
Sample : L4751-22
Misc : 4.75G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AY2

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\SOM2WLM111820S.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	2.153	37	41	45	rBV2	1493	2768	0.25%	0.032%
2	2.355	68	74	86	rVB	102938	186333	16.91%	2.166%
3	2.891	155	162	175	rVB	72990	166728	15.13%	1.938%
4	3.367	238	240	241	rBV	328	264	0.02%	0.003%
5	3.562	263	272	285	rBV2	15618	56360	5.12%	0.655%
6	3.921	330	331	333	rBV	231	134	0.01%	0.002%
7	4.019	337	347	362	rBV	144471	417248	37.87%	4.851%
8	4.482	421	423	425	rBV2	223	117	0.01%	0.001%
9	4.543	431	433	435	rVB	342	178	0.02%	0.002%
10	4.610	438	444	446	rBV2	641	1156	0.10%	0.013%
11	4.921	484	495	511	rBV3	22120	75217	6.83%	0.875%
12	5.037	513	514	515	rBV	305	133	0.01%	0.002%
13	5.098	522	524	525	rBV	388	261	0.02%	0.003%
14	5.238	546	547	549	rVB	195	114	0.01%	0.001%
15	5.476	584	586	587	rBV	196	119	0.01%	0.001%
16	5.543	595	597	600	rVB	197	215	0.02%	0.002%
17	5.574	600	602	604	rBV	247	222	0.02%	0.003%
18	5.683	618	620	622	rBV	153	132	0.01%	0.002%
19	5.836	644	645	647	rBV2	159	96	0.01%	0.001%
20	5.939	655	662	670	rVV6	1984	5576	0.51%	0.065%
21	6.073	682	684	685	rBV	203	131	0.01%	0.002%
22	6.214	705	707	710	rBV2	174	226	0.02%	0.003%
23	6.323	724	725	730	rVB2	240	270	0.02%	0.003%
24	6.519	756	757	758	rVB	310	113	0.01%	0.001%
25	6.622	773	774	775	rBV	295	186	0.02%	0.002%
26	6.695	784	786	787	rBV	156	124	0.01%	0.001%
27	6.714	787	789	790	rVB	242	121	0.01%	0.001%
28	6.762	795	797	799	rBV2	147	109	0.01%	0.001%
29	6.988	831	834	836	rBV2	246	185	0.02%	0.002%
30	7.085	841	850	853	rBV2	14940	38530	3.50%	0.448%
31	7.427	905	906	908	rVB	280	184	0.02%	0.002%
32	7.451	908	910	912	rBV2	226	138	0.01%	0.002%
33	7.652	932	943	956	rBV	193216	474749	43.09%	5.520%
34	7.884	979	981	983	rBV2	158	128	0.01%	0.001%

LSC Area Percent Report

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Operator : SY/VA
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Misc : 4.75G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
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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\SOM2WLM111820S.M
Title : VOC Analysis

35	8.110	1016	1018	1020	rVB2	213	152	0.01%	0.002%
36	8.171	1026	1028	1029	rBV	172	143	0.01%	0.002%
37	8.280	1033	1046	1061	rBV2	379983	1101731	100.00%	12.809%
38	8.518	1083	1085	1087	rVV2	235	158	0.01%	0.002%
39	8.536	1087	1088	1090	rVB	243	119	0.01%	0.001%
40	8.555	1090	1091	1094	rBV	207	152	0.01%	0.002%
41	8.683	1110	1112	1113	rBV	388	241	0.02%	0.003%
42	8.847	1130	1139	1148	rBV	419506	843819	76.59%	9.811%
43	9.079	1172	1177	1183	rVB5	1136	1961	0.18%	0.023%
44	9.152	1187	1189	1191	rVB2	319	203	0.02%	0.002%
45	9.183	1193	1194	1195	rBV	257	113	0.01%	0.001%
46	9.201	1195	1197	1198	rBV2	129	94	0.01%	0.001%
47	9.219	1198	1200	1201	rBV	289	234	0.02%	0.003%
48	9.274	1201	1209	1219	rBV	234554	476029	43.21%	5.535%
49	9.506	1245	1247	1248	rBV	143	95	0.01%	0.001%
50	9.548	1253	1254	1257	rVV2	171	139	0.01%	0.002%
51	9.750	1285	1287	1288	rVB	246	154	0.01%	0.002%
52	9.792	1293	1294	1296	rBV2	218	183	0.02%	0.002%
53	9.835	1299	1301	1302	rBV2	137	141	0.01%	0.002%
54	9.872	1305	1307	1308	rBV	133	96	0.01%	0.001%
55	9.896	1308	1311	1313	rVV2	731	868	0.08%	0.010%
56	10.036	1324	1334	1346	rBV	96465	176226	16.00%	2.049%
57	10.213	1359	1363	1365	rBV3	818	973	0.09%	0.011%
58	10.329	1373	1382	1396	rBV	516197	918207	83.34%	10.675%
59	10.475	1403	1406	1408	rBV3	294	375	0.03%	0.004%
60	10.579	1416	1423	1430	rBV	59358	105849	9.61%	1.231%
61	10.707	1437	1444	1451	rVB2	27795	48819	4.43%	0.568%
62	10.926	1474	1480	1489	rBV	52136	93582	8.49%	1.088%
63	11.066	1498	1503	1514	rVB2	10426	18485	1.68%	0.215%
64	11.146	1514	1516	1518	rBV2	265	203	0.02%	0.002%
65	11.310	1541	1543	1547	rVB2	408	382	0.03%	0.004%
66	11.444	1558	1565	1571	rVB	18108	30077	2.73%	0.350%
67	11.518	1573	1577	1578	rBV2	199	233	0.02%	0.003%
68	11.633	1588	1596	1608	rBV	566833	923536	83.83%	10.737%
69	11.999	1654	1656	1659	rBV2	303	410	0.04%	0.005%
70	12.237	1694	1695	1697	rVB2	238	169	0.02%	0.002%
71	12.261	1697	1699	1700	rBV2	284	209	0.02%	0.002%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111920\
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Operator : SY/VA
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Misc : 4.75G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AY2

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\SOM2WLM111820S.M
Title : VOC Analysis

72	12.414	1722	1724	1726	rBV2	154	97	0.01%	0.001%
73	12.469	1729	1733	1739	rVB3	4509	7237	0.66%	0.084%
74	12.609	1749	1756	1763	rVB	33293	56251	5.11%	0.654%
75	12.694	1763	1770	1779	rBV	150988	254410	23.09%	2.958%
76	12.859	1795	1797	1798	rVB	251	144	0.01%	0.002%
77	12.889	1798	1802	1803	rVB2	219	211	0.02%	0.002%
78	12.938	1805	1810	1814	rBV2	6083	10714	0.97%	0.125%
79	13.084	1832	1834	1837	rVB	527	333	0.03%	0.004%
80	13.170	1844	1848	1849	rBV2	465	693	0.06%	0.008%
81	13.200	1849	1853	1860	rVV5	1030	2346	0.21%	0.027%
82	13.298	1864	1869	1875	rVB2	7920	11726	1.06%	0.136%
83	13.371	1877	1881	1884	rBV4	469	802	0.07%	0.009%
84	13.408	1884	1887	1892	rVB4	1952	3166	0.29%	0.037%
85	13.499	1892	1902	1905	rBV5	4198	7793	0.71%	0.091%
86	13.560	1905	1912	1924	rVB	451103	710105	64.45%	8.256%
87	13.712	1933	1937	1941	rBV4	1094	1832	0.17%	0.021%
88	13.761	1941	1945	1948	rBV5	1595	2108	0.19%	0.025%
89	13.853	1953	1960	1972	rVV	338519	562485	51.05%	6.540%
90	13.999	1982	1984	1985	rBV	567	436	0.04%	0.005%
91	14.072	1991	1996	2004	rVB2	10181	16795	1.52%	0.195%
92	14.206	2013	2018	2024	rVB3	678	1017	0.09%	0.012%
93	14.310	2030	2035	2037	rBV3	762	1239	0.11%	0.014%
94	14.438	2049	2056	2067	rBV	64506	106772	9.69%	1.241%
95	14.596	2074	2082	2092	rBV	335694	532466	48.33%	6.191%
96	14.688	2092	2097	2111	rVB3	65372	117398	10.66%	1.365%
97	15.066	2156	2159	2166	rBV7	3843	7022	0.64%	0.082%
98	15.304	2196	2198	2202	rVB2	805	663	0.06%	0.008%
99	15.438	2215	2220	2226	rVB2	6458	10892	0.99%	0.127%
100	16.029	2314	2317	2319	rBV3	581	830	0.08%	0.010%

Sum of corrected areas: 8601108

LSC Report - Integrated Chromatogram

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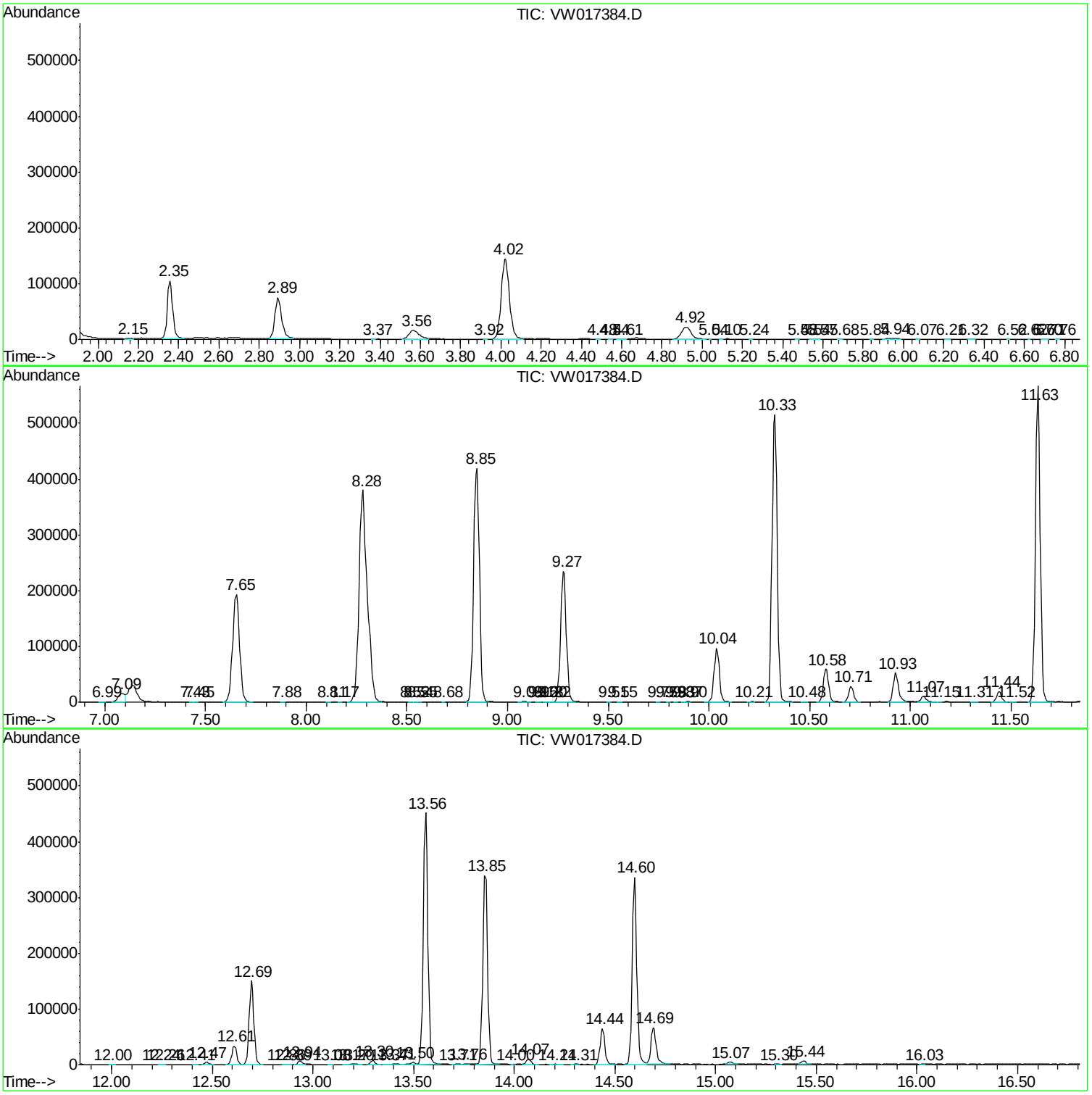
Misc : 4.75G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AY2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111920\
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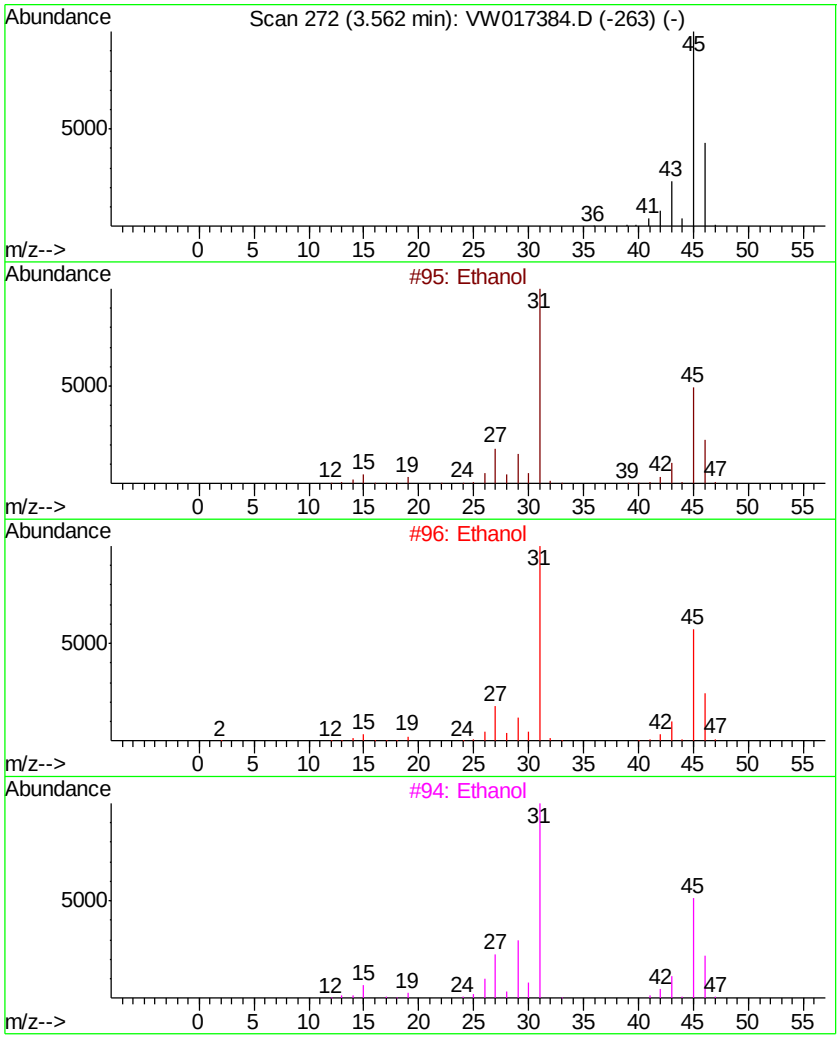
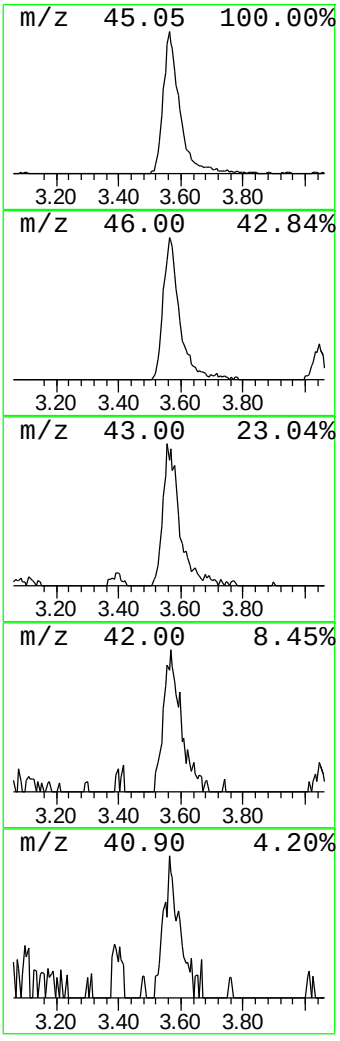
****

Peak Number 1 Ethanol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.56	1.67 ug/L	56360	1,4-Difluorobenzene	8.85

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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111920\
Data File : VW017384.D
Acq On : 19 Nov 2020 21:12
Operator : SY/VA
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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AY2

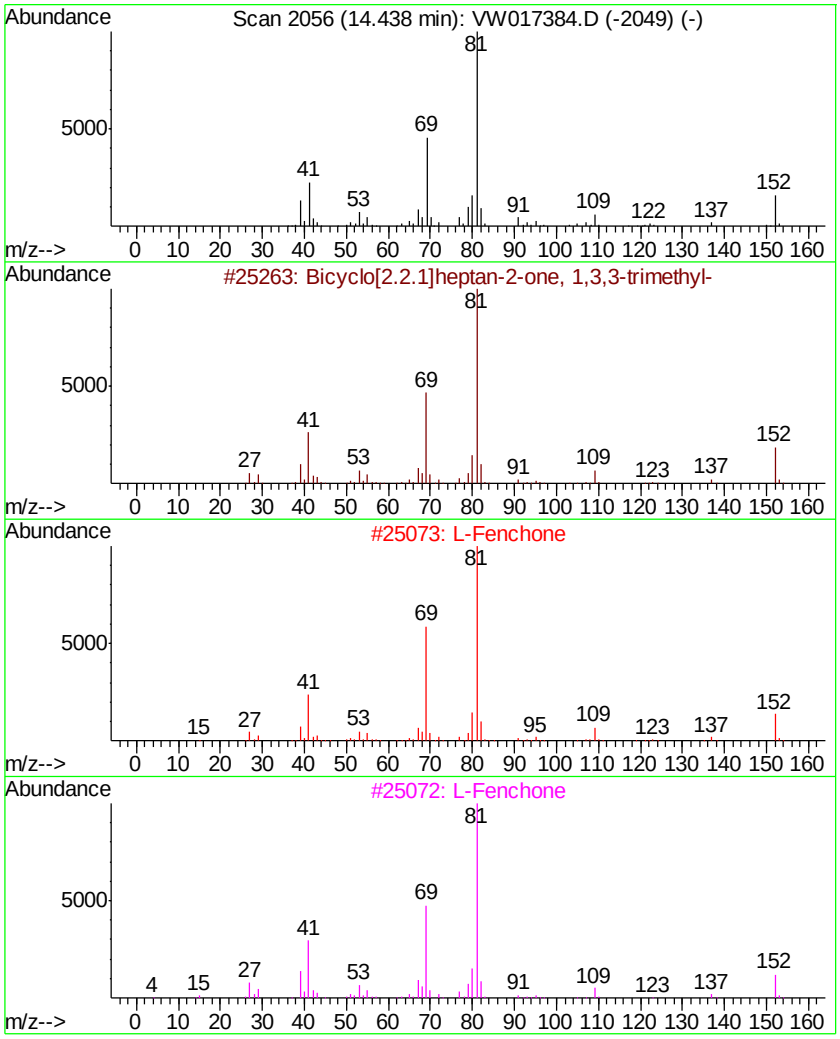
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.M
Quant Title : VOC Analysis

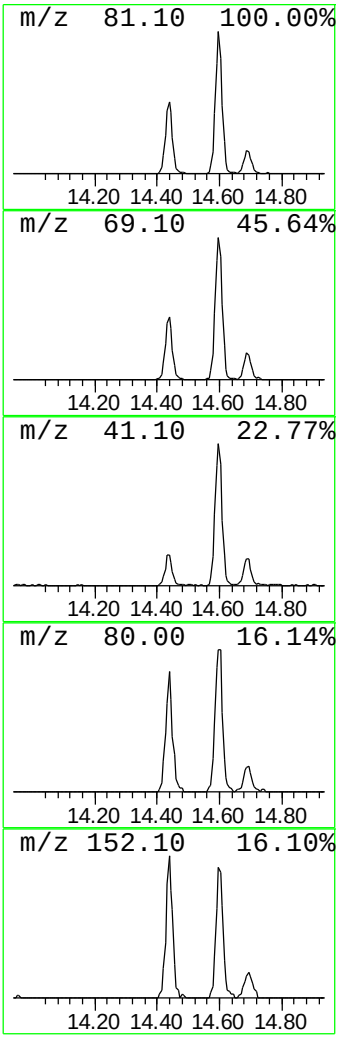
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.44	3.76 ug/L	106772	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	L-Fenchone	152	C10H16O	007787-20-4	93
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	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	91





Library Search Compound Report

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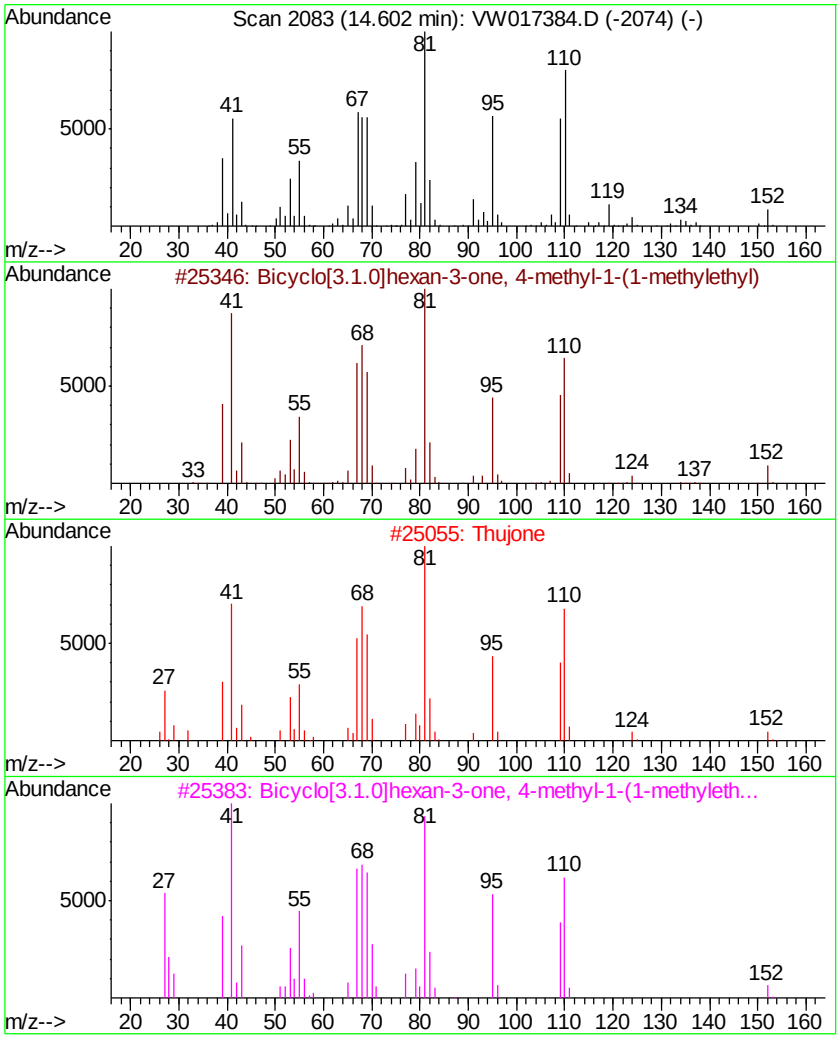
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.M
Quant Title : VOC Analysis

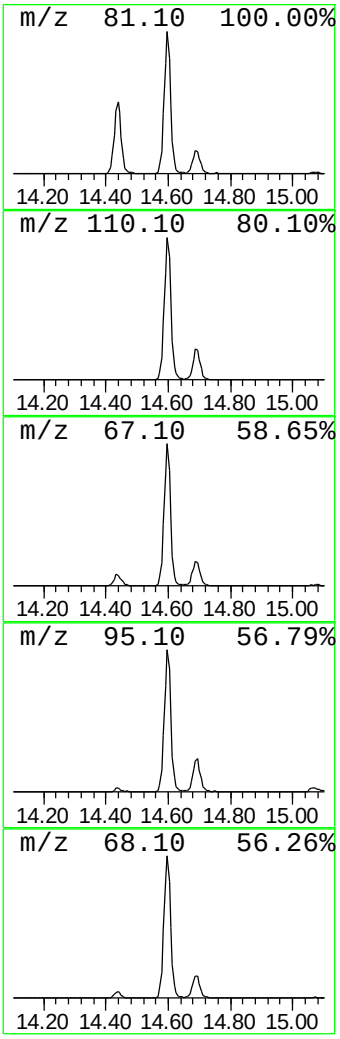
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Bicyclo[3.1.0]hexan-3-one, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.60	18.75 ug/L	532466	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.0]hexan-3-one, 4-met...	152	C10H16O	001125-12-8	96
2	Thujone	152	C10H16O	000546-80-5	93
3	Bicyclo[3.1.0]hexan-3-one, 4-met...	152	C10H16O	000471-15-8	91
4	Bicyclo[3.1.0]hexan-3-one, 4-met...	152	C10H16O	001125-12-8	87
5	3,5-Octadiene, (Z,Z)-	110	C8H14	007348-80-3	68





Library Search Compound Report

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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AY2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.M
Quant Title : VOC Analysis

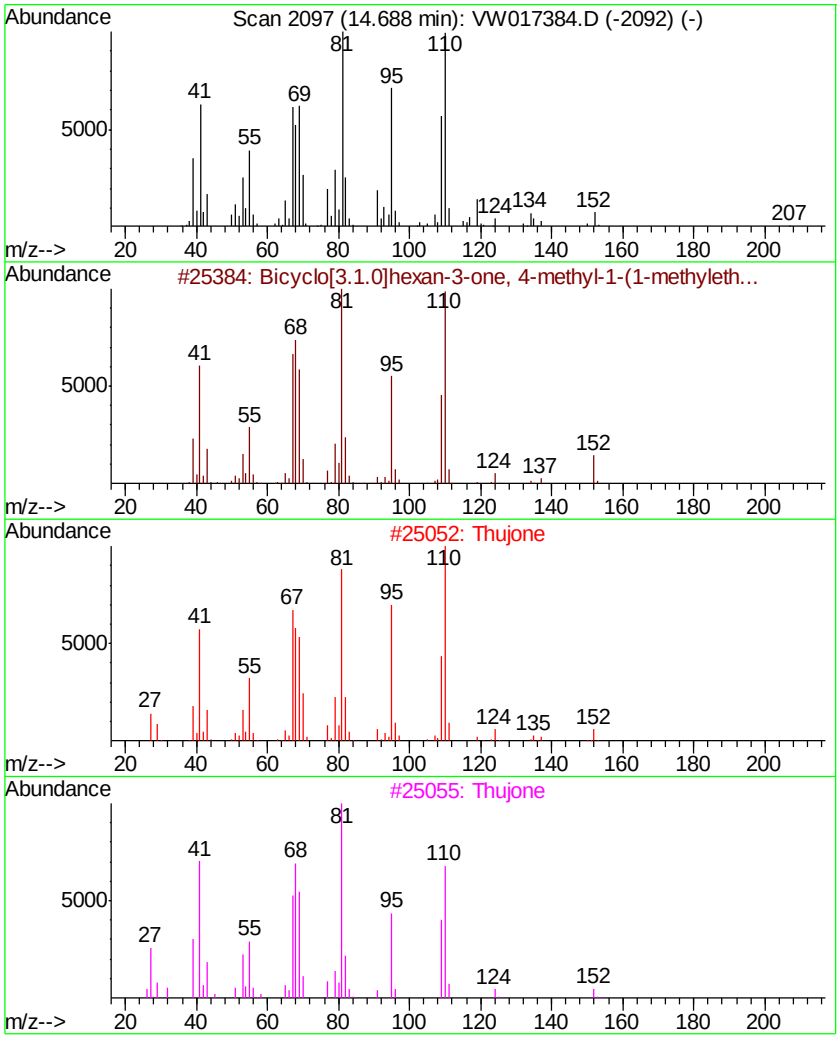
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

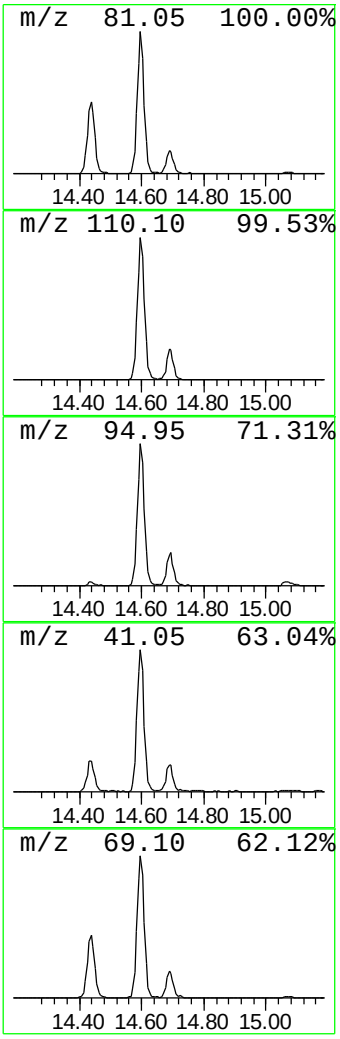
****

Peak Number 7 Thujone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	4.13 ug/L	117398	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.0]hexan-3-one, 4-met...	152	C10H16O	000471-15-8	96
2	Thujone	152	C10H16O	000546-80-5	96
3	Thujone	152	C10H16O	000546-80-5	91
4	Bicyclo[3.1.0]hexan-3-one, 4-met...	152	C10H16O	001125-12-8	91
5	Thujone	152	C10H16O	000546-80-5	86





Tentatively Identified Compound (LSC) summary

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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AY2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.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	3.56	1.7	ug/L	56360	1	8.85	843819	25.0
Bicyclo[2.2.1]hep...	14.44	3.8	ug/L	106772	3	13.56	710105	25.0
Bicyclo[3.1.0]hex...	14.60	18.8	ug/L	532466	3	13.56	710105	25.0
Thujone	14.69	4.1	ug/L	117398	3	13.56	710105	25.0