LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111920\
Data File : VW017377.D
Acq On : 19 Nov 2020 17:20
Operator : SY/VA
Sample : L4751-16
Misc : 5.11G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AW3

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	2.355	68	74	86	rVB	125015	230744	17.81%	2.370%
2	2.891	155	162	180	rVB	82205	199193	15.38%	2.046%
3	3.306	228	230	231	rBV	298	217	0.02%	0.002%
4	3.391	237	244	252	rBV3	1948	4548	0.35%	0.047%
5	3.544	259	269	296	rBV	104831	351114	27.10%	3.606%
6	3.855	318	320	322	rBV3	430	375	0.03%	0.004%
7	3.897	325	327	328	rBV	377	302	0.02%	0.003%
8	4.019	335	347	361	rBV	174401	505337	39.01%	5.190%
9	4.312	389	395	402	rVB3	3766	9125	0.70%	0.094%
10	4.489	422	424	425	rBV	467	298	0.02%	0.003%
11	4.531	425	431	438	rVV4	3584	9691	0.75%	0.100%
12	4.818	474	478	481	rBV2	189	238	0.02%	0.002%
13	4.922	484	495	507	rBV2	18591	61287	4.73%	0.629%
14	5.104	521	525	526	rBV2	393	541	0.04%	0.006%
15	5.342	562	564	567	rVB3	161	178	0.01%	0.002%
16	5.525	592	594	597	rVB2	276	246	0.02%	0.003%
17	5.629	609	611	614	rBV2	336	246	0.02%	0.003%
18	5.720	624	626	629	rVB2	242	212	0.02%	0.002%
19	5.763	631	633	634	rBV	264	220	0.02%	0.002%
20	5.946	654	663	671	rBV6	2730	7207	0.56%	0.074%
21	6.409	733	739	743	rBV4	938	2189	0.17%	0.022%
22	6.781	797	800	802	rBV	211	199	0.02%	0.002%
23	6.866	810	814	816	rVV2	211	232	0.02%	0.002%
24	6.933	823	825	830	rVB3	271	399	0.03%	0.004%
25	7.019	838	839	841	rBV2	287	206	0.02%	0.002%
26	7.086	841	850	852	rBV	17514	42431	3.28%	0.436%
27	7.403	899	902	903	rBV2	336	333	0.03%	0.003%
28	7.452	906	910	912	rVV4	537	817	0.06%	0.008%
29	7.513	916	920	921	rBV2	266	420	0.03%	0.004%
30	7.653	932	943	956	rVV	220629	540820	41.75%	5.555%
31	7.762	958	961	962	rBV2	181	177	0.01%	0.002%
32	7.836	970	973	976	rBV2	302	320	0.02%	0.003%
33	7.958	988	993	999	rVB3	736	1501	0.12%	0.015%
34	8.031	1002	1005	1007	rBV2	235	256	0.02%	0.003%

LSC Area Percent Report

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Operator : SY/VA
Sample : L4751-16
Misc : 5.11G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AW3

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	8.067	1009	1011	1016	rVB2	151	277	0.02%	0.003%
36	8.275	1032	1045	1061	rBV2	440776	1295473	100.00%	13.306%
37	8.457	1073	1075	1077	rBV	170	215	0.02%	0.002%
38	8.537	1087	1088	1091	rVB	256	173	0.01%	0.002%
39	8.592	1094	1097	1100	rVB2	183	273	0.02%	0.003%
40	8.622	1100	1102	1107	rBV3	301	565	0.04%	0.006%
41	8.683	1109	1112	1113	rBV	203	241	0.02%	0.002%
42	8.695	1113	1114	1118	rVB	435	427	0.03%	0.004%
43	8.842	1130	1138	1152	rVV	393513	793141	61.22%	8.146%
44	9.037	1168	1170	1174	rBV3	401	521	0.04%	0.005%
45	9.274	1200	1209	1227	rVB	264378	542830	41.90%	5.575%
46	9.555	1252	1255	1257	rVB2	226	222	0.02%	0.002%
47	9.585	1257	1260	1262	rBV2	225	332	0.03%	0.003%
48	9.671	1272	1274	1280	rVB2	412	688	0.05%	0.007%
49	9.762	1287	1289	1290	rBV	380	200	0.02%	0.002%
50	9.896	1306	1311	1316	rBV4	1099	2144	0.17%	0.022%
51	9.963	1321	1322	1324	rBV	238	204	0.02%	0.002%
52	10.036	1325	1334	1343	rVV	103342	186966	14.43%	1.920%
53	10.201	1360	1361	1365	rBV3	332	545	0.04%	0.006%
54	10.323	1373	1381	1390	rBV	586590	1038191	80.14%	10.663%
55	10.500	1407	1410	1415	rVB2	562	769	0.06%	0.008%
56	10.579	1415	1423	1433	rBV2	61193	109672	8.47%	1.126%
57	10.707	1437	1444	1454	rBV	38691	67986	5.25%	0.698%
58	10.927	1473	1480	1494	rBV2	60421	119631	9.23%	1.229%
59	11.024	1494	1496	1497	rVV	2044	1879	0.15%	0.019%
60	11.067	1498	1503	1514	rVV2	14925	28801	2.22%	0.296%
61	11.183	1517	1522	1526	rVB4	1242	1788	0.14%	0.018%
62	11.244	1528	1532	1533	rBV2	273	301	0.02%	0.003%
63	11.439	1558	1564	1571	rVB2	19715	33868	2.61%	0.348%
64	11.634	1588	1596	1609	rBV	469375	788882	60.90%	8.102%
65	11.835	1625	1629	1634	rBV5	1032	1726	0.13%	0.018%
66	11.908	1639	1641	1643	rVB2	363	229	0.02%	0.002%
67	11.932	1643	1645	1646	rBV	283	192	0.01%	0.002%
68	12.274	1699	1701	1704	rVB3	357	420	0.03%	0.004%
69	12.335	1704	1711	1719	rBV	24045	37895	2.93%	0.389%
70	12.475	1727	1734	1739	rBV2	9679	17015	1.31%	0.175%
71	12.609	1749	1756	1762	rVB	37864	58535	4.52%	0.601%

LSC Area Percent Report

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Data File : VW017377.D
Acq On : 19 Nov 2020 17:20
Operator : SY/VA
Sample : L4751-16
Misc : 5.11G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AW3

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	12.695	1763	1770	1777	rVV	165077	266745	20.59%	2.740%
73	12.938	1804	1810	1819	rVV6	16439	41838	3.23%	0.430%
74	13.024	1819	1824	1830	rVB	17842	30061	2.32%	0.309%
75	13.121	1838	1840	1844	rVB	875	683	0.05%	0.007%
76	13.164	1844	1847	1848	rBV2	524	576	0.04%	0.006%
77	13.213	1849	1855	1859	rBV5	1893	4149	0.32%	0.043%
78	13.298	1864	1869	1874	rVB2	8022	12837	0.99%	0.132%
79	13.365	1874	1880	1886	rBV2	40598	73913	5.71%	0.759%
80	13.499	1891	1902	1907	rBV	304730	466249	35.99%	4.789%
81	13.560	1907	1912	1917	rVV	322711	523699	40.43%	5.379%
82	13.621	1917	1922	1931	rVB	209608	340162	26.26%	3.494%
83	13.719	1931	1938	1943	rBV	217734	341721	26.38%	3.510%
84	13.853	1953	1960	1967	rBV	300640	487408	37.62%	5.006%
85	13.999	1980	1984	1990	rBV5	1901	3050	0.24%	0.031%
86	14.072	1990	1996	2001	rVB2	11005	17979	1.39%	0.185%
87	14.304	2030	2034	2035	rBV2	796	685	0.05%	0.007%
88	14.432	2050	2055	2060	rBB2	404	660	0.05%	0.007%
89	14.475	2060	2062	2063	rBV	394	218	0.02%	0.002%
90	14.603	2081	2083	2085	rBV3	247	244	0.02%	0.003%
91	14.706	2098	2100	2101	rBV2	452	314	0.02%	0.003%
92	14.725	2101	2103	2107	rVB5	1149	1438	0.11%	0.015%
93	14.932	2135	2137	2140	rBV2	441	462	0.04%	0.005%
94	14.981	2144	2145	2149	rVB	516	309	0.02%	0.003%
95	15.023	2149	2152	2155	rBV3	502	661	0.05%	0.007%
96	15.072	2159	2160	2161	rBV	425	182	0.01%	0.002%
97	15.371	2207	2209	2210	rVB2	516	208	0.02%	0.002%
98	15.432	2212	2219	2226	rVB3	6782	13883	1.07%	0.143%
99	15.481	2226	2227	2228	rBV	497	253	0.02%	0.003%
100	16.310	2361	2363	2367	rBV3	561	891	0.07%	0.009%

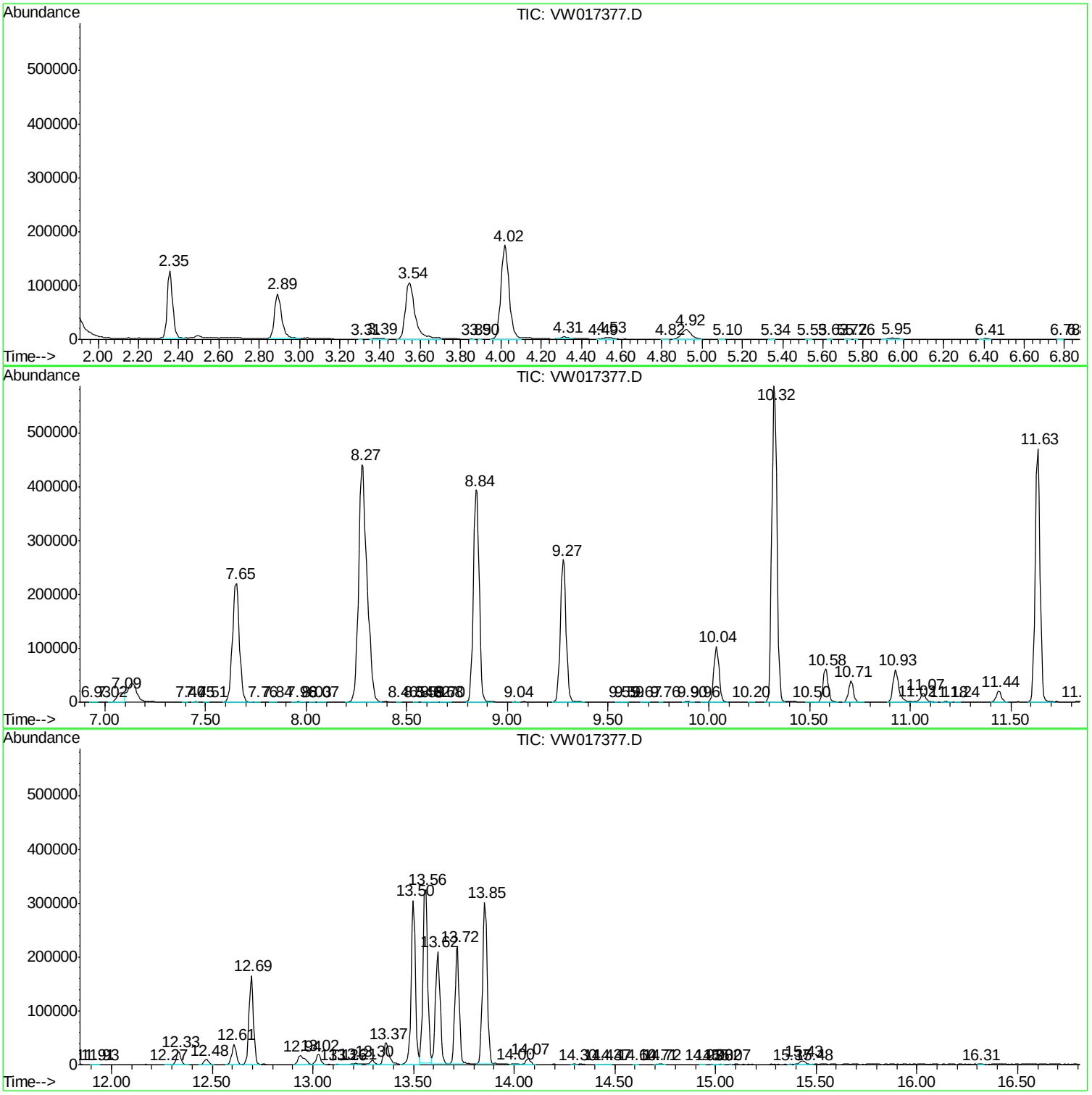
Sum of corrected areas: 9736314

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111920\
Data File : VW017377.D
Acq On : 19 Nov 2020 17:20
Operator : SY/VA
Sample : L4751-16
Misc : 5.11G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AW3

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111920\
Data File : VW017377.D
Acq On : 19 Nov 2020 17:20
Operator : SY/VA
Sample : L4751-16
Misc : 5.11G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AW3

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

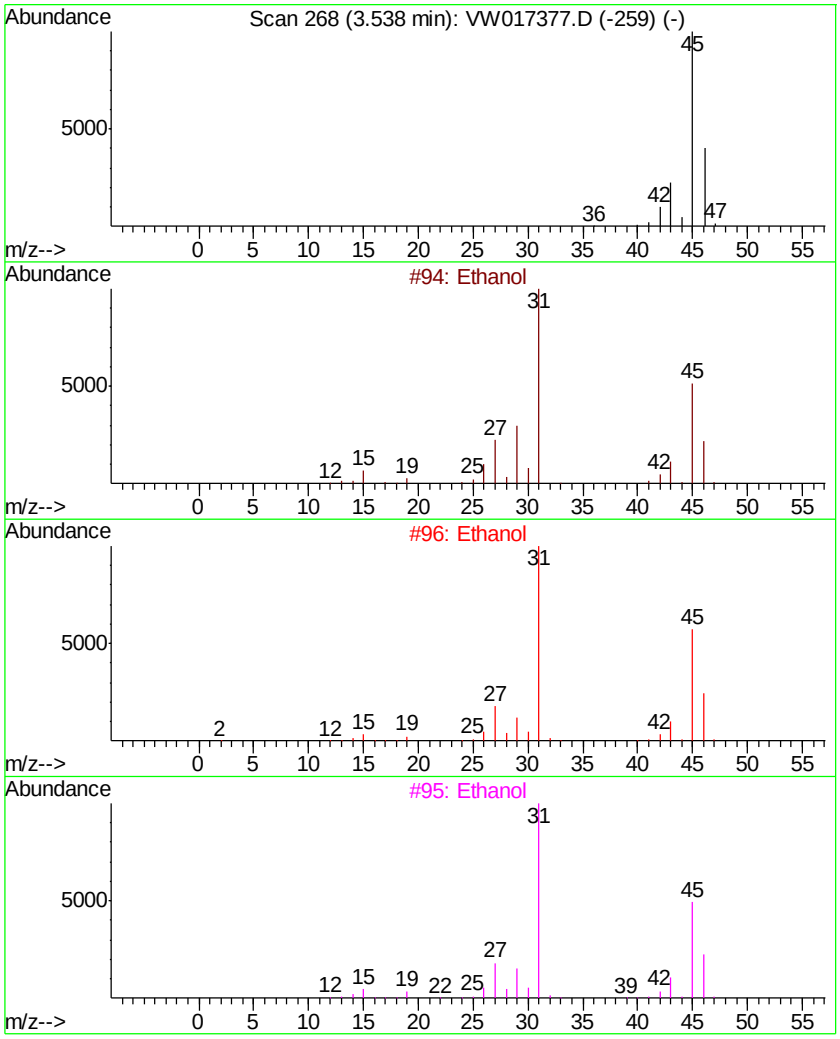
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

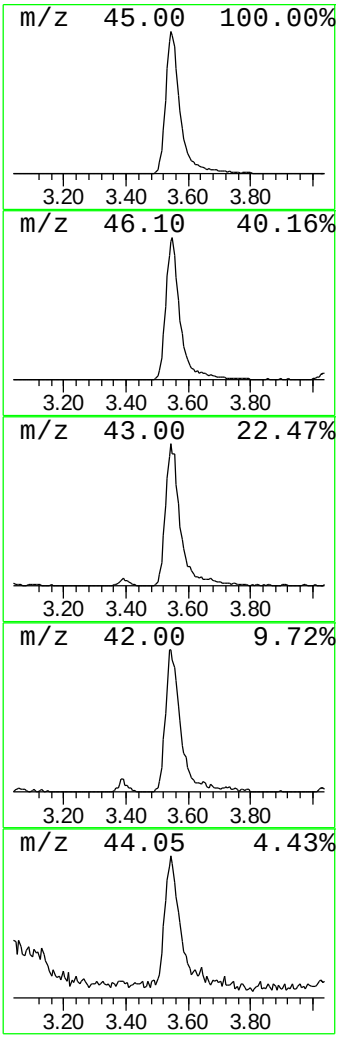
****

Peak Number 1 Ethanol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.54	11.07 ug/L	351114	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	74
3	Ethanol	46	C2H6O	000064-17-5	64
4	Dimethyl ether	46	C2H6O	000115-10-6	9
5	Dimethyl ether	46	C2H6O	000115-10-6	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111920\
Data File : VW017377.D
Acq On : 19 Nov 2020 17:20
Operator : SY/VA
Sample : L4751-16
Misc : 5.11G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AW3

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

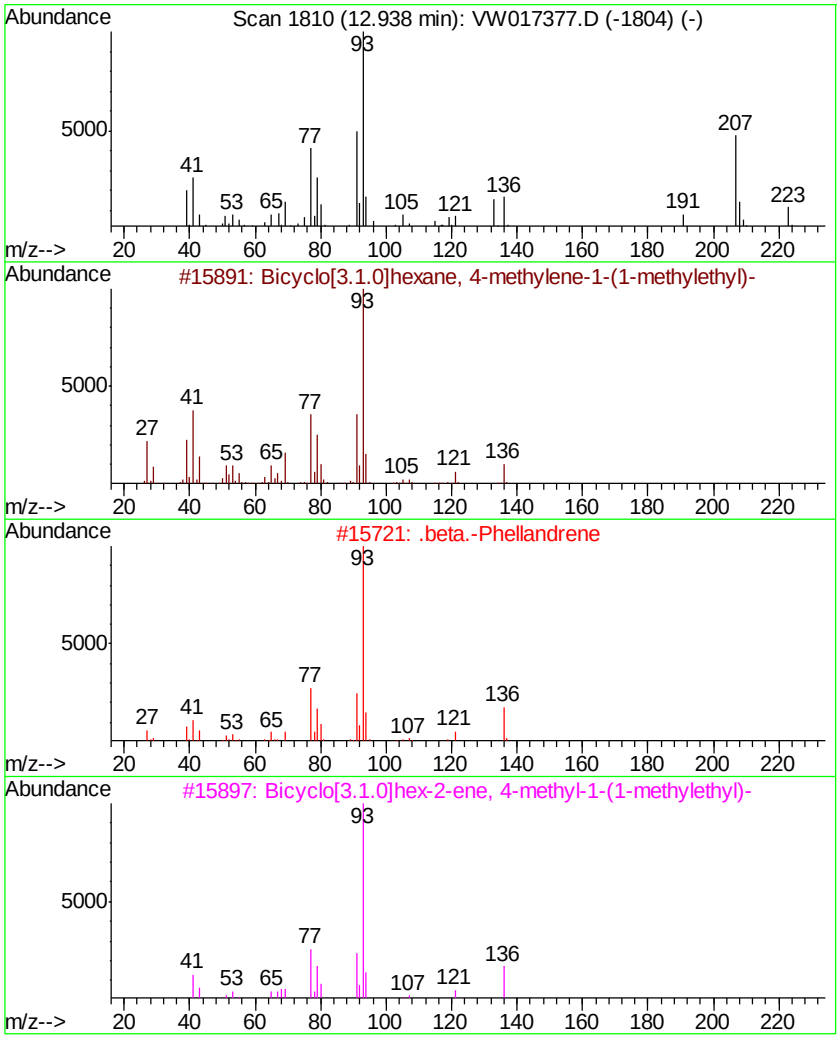
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

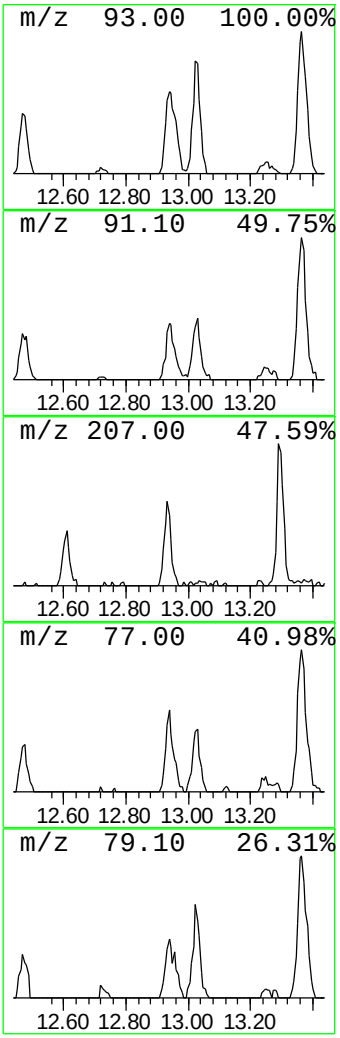
****

Peak Number 5 Bicyclo[3.1.0]hexane, 4-met... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	2.00 ug/L	41838	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.0]hexane, 4-methylen...	136	C10H16	003387-41-5	95
2	.beta.-Phellandrene	136	C10H16	000555-10-2	70
3	Bicyclo[3.1.0]hex-2-ene, 4-methy...	136	C10H16	028634-89-1	70
4	.beta.-Phellandrene	136	C10H16	000555-10-2	62
5	Bicyclo[3.1.0]hexane, 4-methylen...	136	C10H16	003387-41-5	58





Library Search Compound Report

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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AW3

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

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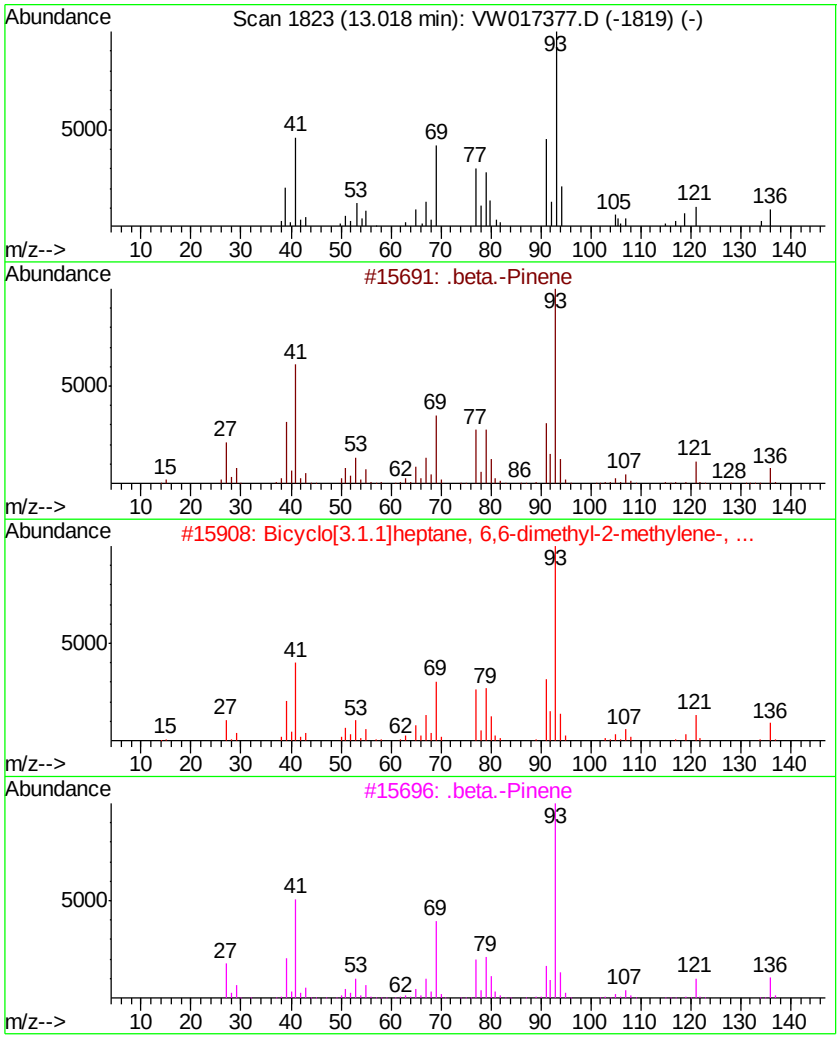
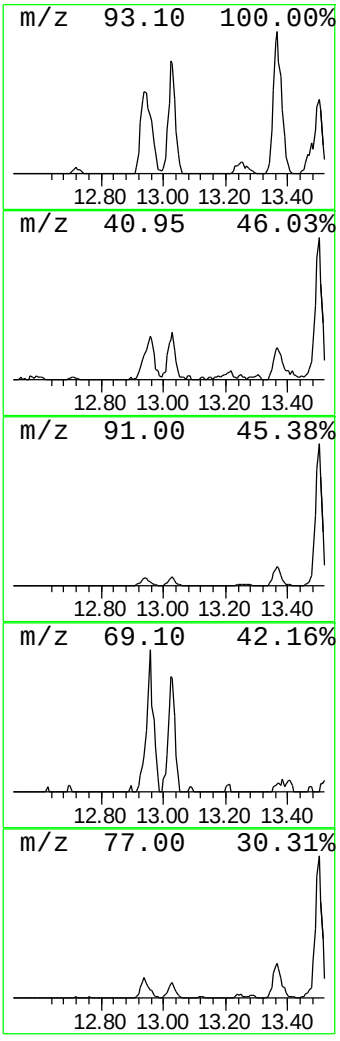
Peak Number 6 .beta.-Pinene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	1.44 ug/L	30061	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Pinene	136	C10H16	000127-91-3	97
2	Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	91
3	.beta.-Pinene	136	C10H16	000127-91-3	91
4	.beta.-Pinene	136	C10H16	000127-91-3	90
5	.beta.-Pinene	136	C10H16	000127-91-3	90





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Acq On : 19 Nov 2020 17:20
Operator : SY/VA
Sample : L4751-16
Misc : 5.11G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AW3

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

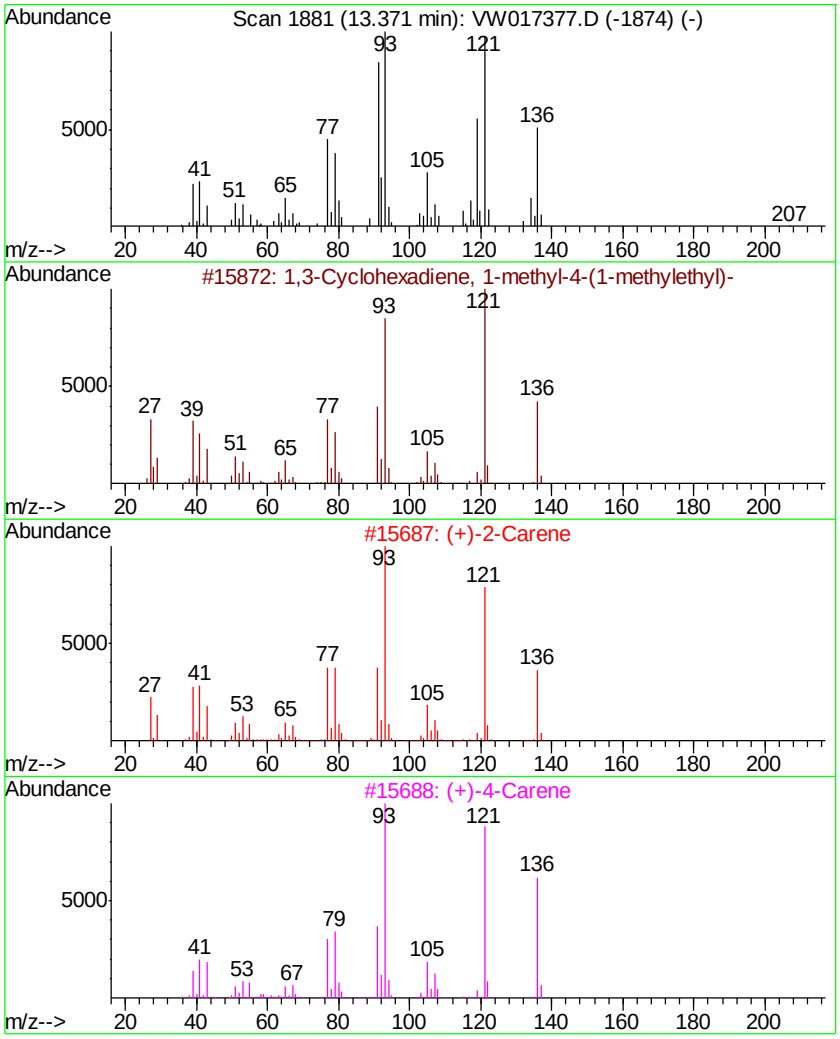
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

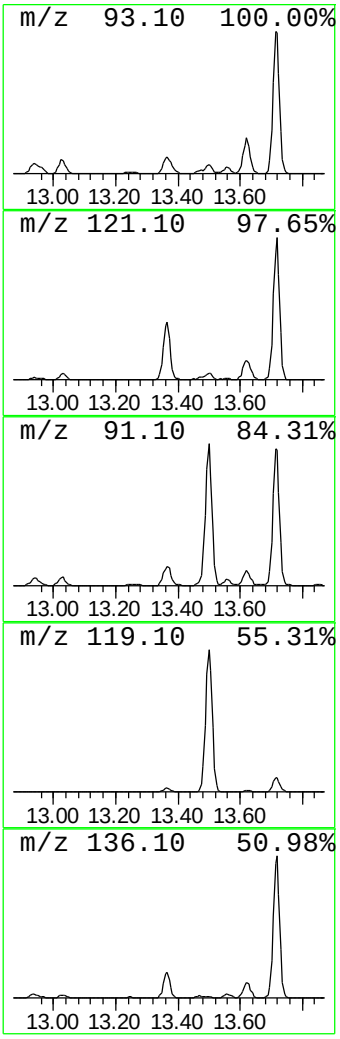
****

Peak Number 7 1,3-Cyclohexadiene, 1-methy... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	3.53 ug/L	73913	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclohexadiene, 1-methyl-4-(...	136	C10H16	000099-86-5	94
2	(+)-2-Carene	136	C10H16	1000149-94-6	93
3	(+)-4-Carene	136	C10H16	029050-33-7	93
4	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	000586-62-9	91
5	1,3-Cyclohexadiene, 1-methyl-4-(...	136	C10H16	000099-86-5	81





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Data File : VW017377.D
Acq On : 19 Nov 2020 17:20
Operator : SY/VA
Sample : L4751-16
Misc : 5.11G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AW3

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

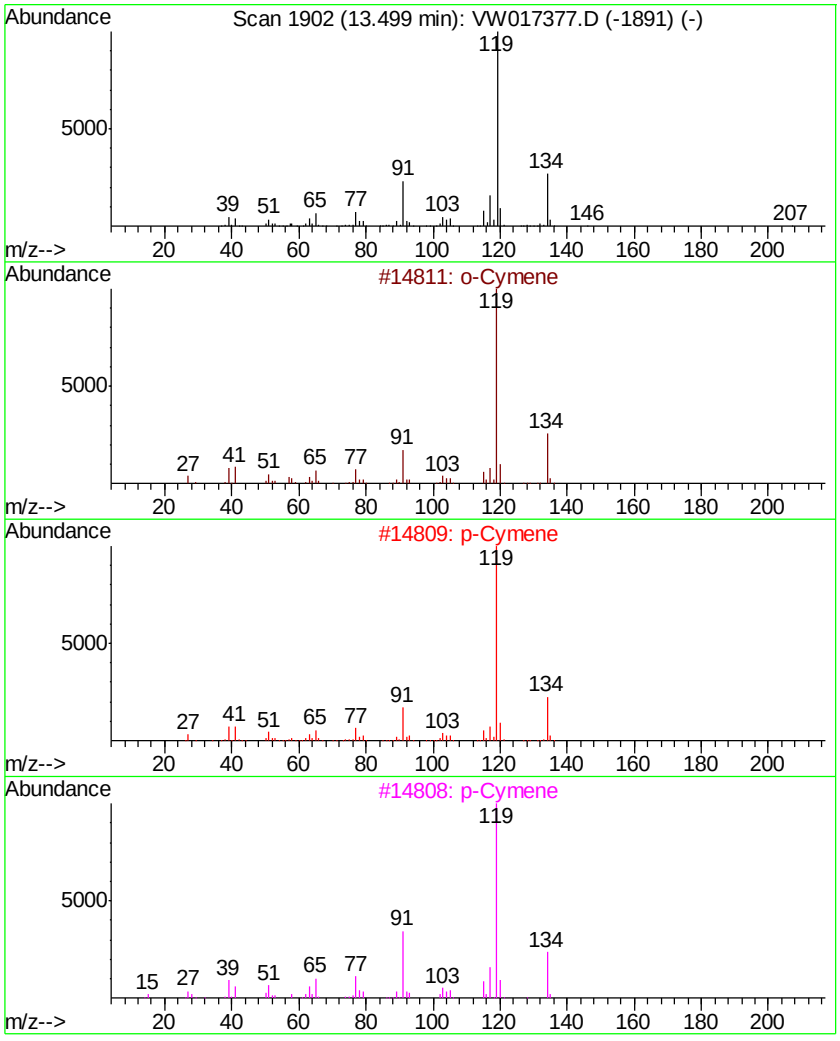
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

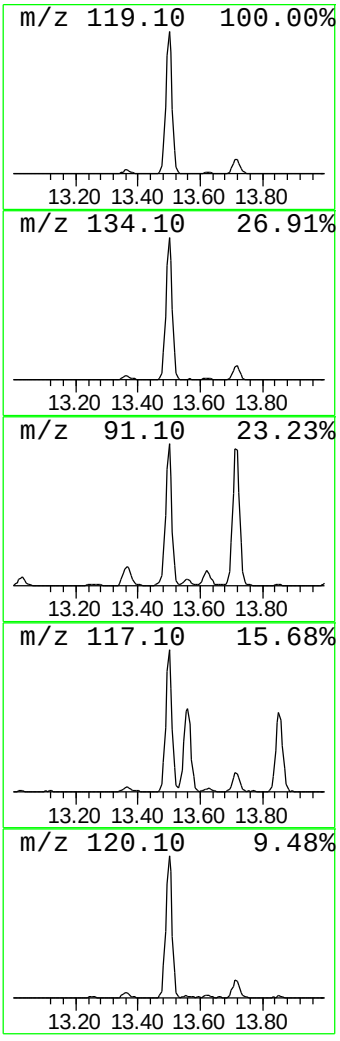
****

Peak Number 8 o-Cymene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.50	22.26 ug/L	466249	1,4-Dichlorobenzene-d4	13.56

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111920\
Data File : VW017377.D
Acq On : 19 Nov 2020 17:20
Operator : SY/VA
Sample : L4751-16
Misc : 5.11G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AW3

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

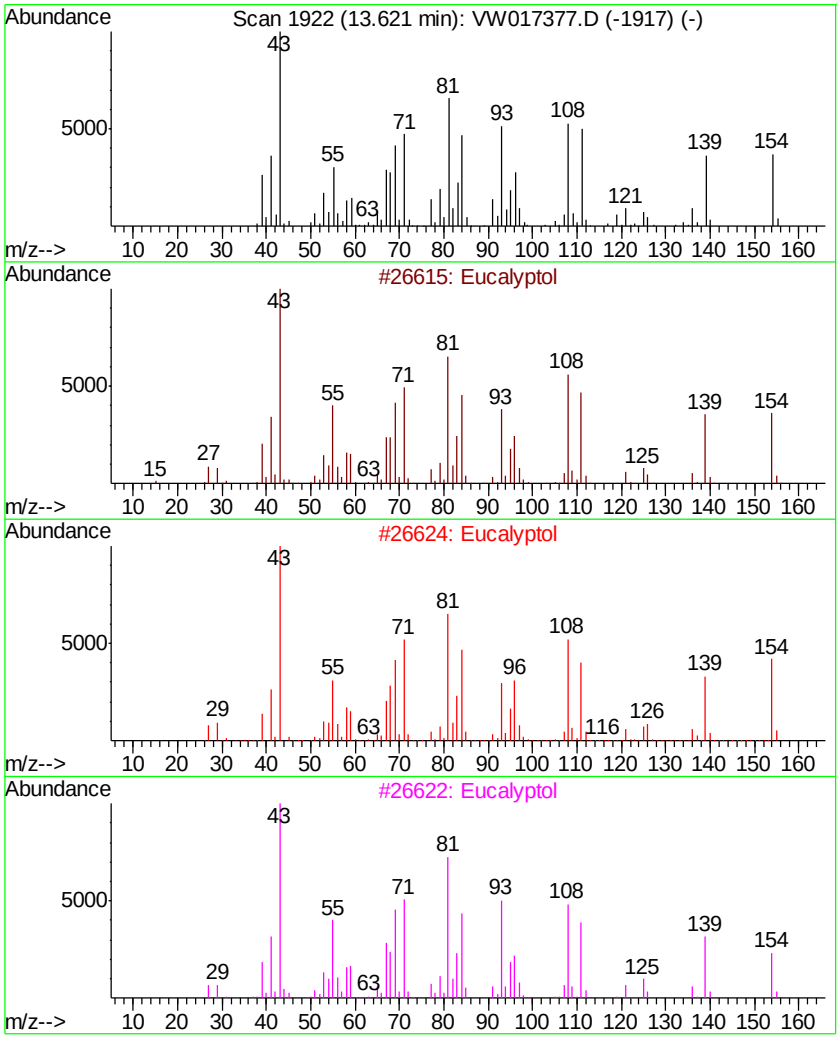
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

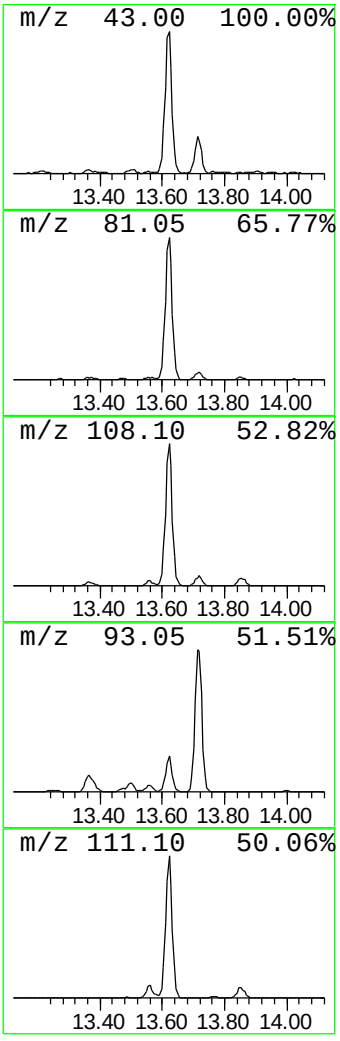
****

Peak Number 9 Eucalyptol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.62	16.24 ug/L	340162	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	96
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	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111920\
Data File : VW017377.D
Acq On : 19 Nov 2020 17:20
Operator : SY/VA
Sample : L4751-16
Misc : 5.11G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AW3

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

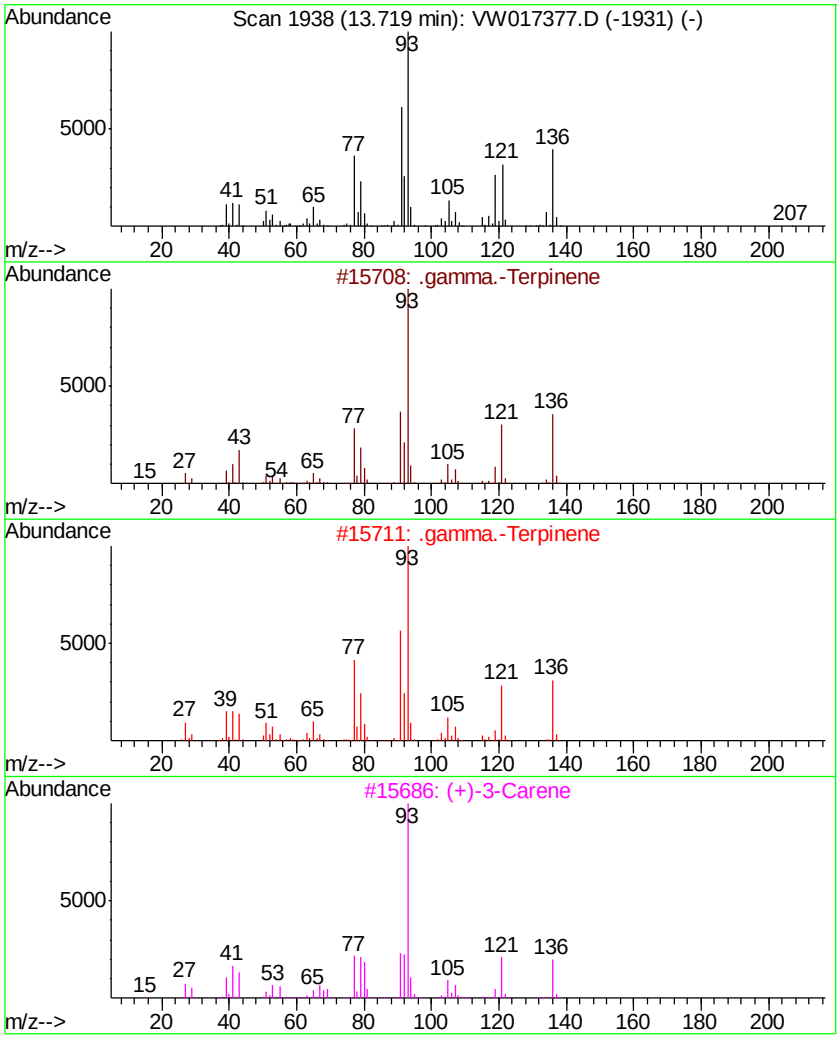
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

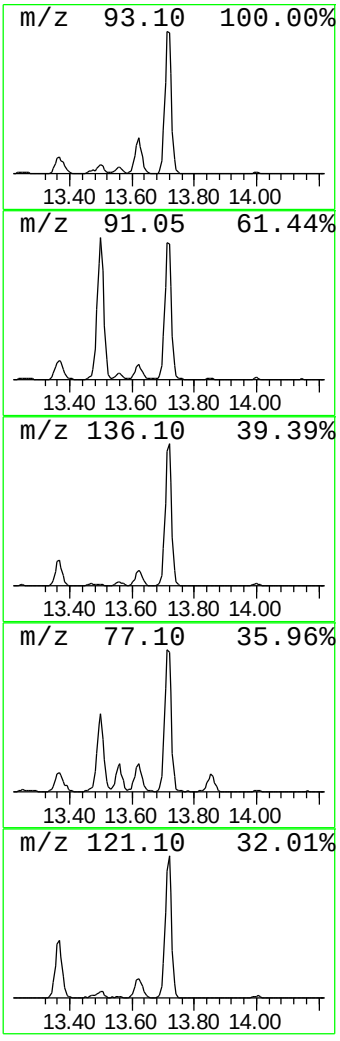
****

Peak Number 10 .gamma.-Terpinene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	16.31 ug/L	341721	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Terpinene	136	C10H16	000099-85-4	94
2	.gamma.-Terpinene	136	C10H16	000099-85-4	93
3	(+)-3-Carene	136	C10H16	000498-15-7	93
4	4-Carene, (1S,3R,6R)-(-)-	136	C10H16	005208-49-1	90
5	.gamma.-Terpinene	136	C10H16	000099-85-4	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111920\
Data File : VW017377.D
Acq On : 19 Nov 2020 17:20
Operator : SY/VA
Sample : L4751-16
Misc : 5.11G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AW3

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	3.54	11.1	ug/L	351114	1	8.85	793141	25.0
Bicyclo[3.1.0]hex...	12.94	2.0	ug/L	41838	3	13.56	523699	25.0
.beta.-Pinene	13.02	1.4	ug/L	30061	3	13.56	523699	25.0
1,3-Cyclohexadien...	13.37	3.5	ug/L	73913	3	13.56	523699	25.0
o-Cymene	13.50	22.3	ug/L	466249	3	13.56	523699	25.0
Eucalyptol	13.62	16.2	ug/L	340162	3	13.56	523699	25.0
.gamma.-Terpinene	13.72	16.3	ug/L	341721	3	13.56	523699	25.0