LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018127.D
Acq On : 15 Feb 2021 11:52
Operator : SY/VA
Sample : M1370-20
Misc : 5.73G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DBGZ8

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\SOM2WLM012921S.M
Title : VOC Analysis

Signal : TIC: VW018127.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.355	69	74	82	rVB	23825	41611	11.72%	1.605%
2	2.892	156	162	172	rVB	19846	41790	11.77%	1.612%
3	3.507	261	263	268	rVB2	133	197	0.06%	0.008%
4	3.922	329	331	333	rVB	174	157	0.04%	0.006%
5	3.940	333	334	336	rBV	134	143	0.04%	0.006%
6	4.013	336	346	359	rBV	48673	130072	36.62%	5.018%
7	4.123	359	364	371	rBV2	1988	4607	1.30%	0.178%
8	4.379	401	406	408	rBV3	423	627	0.18%	0.024%
9	4.641	447	449	454	rBV	175	280	0.08%	0.011%
10	4.727	461	463	467	rBV2	112	214	0.06%	0.008%
11	4.922	485	495	505	rVB3	3666	11582	3.26%	0.447%
12	5.342	561	564	566	rBV2	167	177	0.05%	0.007%
13	5.483	585	587	591	rVB	149	148	0.04%	0.006%
14	5.611	607	608	612	rBV2	186	204	0.06%	0.008%
15	5.946	656	663	672	rVB6	1456	3961	1.12%	0.153%
16	6.519	753	757	758	rBV	121	134	0.04%	0.005%
17	6.726	790	791	795	rVB2	153	137	0.04%	0.005%
18	6.763	795	797	800	rBV	148	200	0.06%	0.008%
19	7.080	840	849	869	rBV2	9017	29214	8.23%	1.127%
20	7.342	889	892	898	rBV	219	394	0.11%	0.015%
21	7.647	930	942	952	rBV	65917	160480	45.19%	6.191%
22	7.872	978	979	982	rBV	152	139	0.04%	0.005%
23	8.000	999	1000	1002	rBV	189	146	0.04%	0.006%
24	8.031	1003	1005	1007	rVV2	278	241	0.07%	0.009%
25	8.061	1009	1010	1013	rVB	245	151	0.04%	0.006%
26	8.159	1024	1026	1029	rBV2	174	204	0.06%	0.008%
27	8.196	1029	1032	1034	rVV	151	197	0.06%	0.008%
28	8.275	1036	1045	1066	rVV2	118295	355161	100.00%	13.702%
29	8.476	1071	1078	1086	rVV4	1553	3850	1.08%	0.149%
30	8.604	1097	1099	1101	rBV	221	190	0.05%	0.007%
31	8.622	1101	1102	1105	rBV2	149	155	0.04%	0.006%
32	8.702	1112	1115	1117	rBV2	338	389	0.11%	0.015%
33	8.842	1130	1138	1148	rBV	131146	262067	73.79%	10.110%
34	9.080	1175	1177	1179	rBV	364	266	0.07%	0.010%
35	9.275	1201	1209	1216	rBV	83634	163232	45.96%	6.297%
36	9.384	1224	1227	1233	rVB3	727	1115	0.31%	0.043%

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ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DBGZ8

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

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Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Title : VOC Analysis

37	9.476	1239	1242	1244	rVB2	234	253	0.07%	0.010%
38	9.707	1276	1280	1283	rBV2	175	232	0.07%	0.009%
39	9.756	1283	1288	1294	rVV3	2431	5080	1.43%	0.196%
40	9.854	1300	1304	1306	rVV2	1029	1482	0.42%	0.057%
41	9.896	1306	1311	1318	rVB3	2715	5098	1.44%	0.197%
42	10.037	1324	1334	1342	rBV	37366	69482	19.56%	2.681%
43	10.128	1347	1349	1352	rVB2	199	219	0.06%	0.008%
44	10.195	1358	1360	1362	rBV2	334	309	0.09%	0.012%
45	10.250	1364	1369	1374	rVB2	1502	2610	0.73%	0.101%
46	10.323	1374	1381	1391	rBV	155264	270763	76.24%	10.446%
47	10.482	1402	1407	1410	rBV3	373	562	0.16%	0.022%
48	10.579	1417	1423	1435	rVB	22561	39343	11.08%	1.518%
49	10.707	1438	1444	1447	rBV2	2436	4239	1.19%	0.164%
50	10.927	1473	1480	1490	rBV	33220	57853	16.29%	2.232%
51	11.036	1496	1498	1502	rVB2	299	354	0.10%	0.014%
52	11.195	1521	1524	1525	rBV	247	243	0.07%	0.009%
53	11.634	1588	1596	1604	rBV	139921	241273	67.93%	9.308%
54	11.817	1620	1626	1632	rVV2	11103	19428	5.47%	0.750%
55	12.018	1656	1659	1663	rBV3	316	504	0.14%	0.019%
56	12.055	1663	1665	1666	rVV	203	140	0.04%	0.005%
57	12.079	1668	1669	1670	rVV	282	177	0.05%	0.007%
58	12.109	1670	1674	1681	rVV2	1190	2228	0.63%	0.086%
59	12.177	1681	1685	1688	rVB3	189	303	0.09%	0.012%
60	12.238	1693	1695	1696	rVV	208	173	0.05%	0.007%
61	12.256	1696	1698	1701	rVB2	535	417	0.12%	0.016%
62	12.335	1709	1711	1712	rBV2	199	187	0.05%	0.007%
63	12.366	1712	1716	1721	rVB3	1385	2034	0.57%	0.078%
64	12.414	1721	1724	1727	rBV2	155	243	0.07%	0.009%
65	12.463	1727	1732	1738	rVB2	527	891	0.25%	0.034%
66	12.524	1738	1742	1747	rBV5	1002	1567	0.44%	0.060%
67	12.603	1747	1755	1762	rVB	3909	7316	2.06%	0.282%
68	12.689	1762	1769	1778	rBV2	73369	140774	39.64%	5.431%
69	12.756	1778	1780	1782	rVV2	495	599	0.17%	0.023%
70	12.804	1786	1788	1789	rBV	190	152	0.04%	0.006%
71	12.908	1799	1805	1809	rBV5	13909	31024	8.74%	1.197%
72	13.048	1820	1828	1843	rVB	68944	122651	34.53%	4.732%
73	13.152	1843	1845	1846	rBV	353	228	0.06%	0.009%
74	13.195	1849	1852	1858	rVB3	1051	1335	0.38%	0.052%
75	13.250	1858	1861	1864	rBV4	625	753	0.21%	0.029%
76	13.292	1864	1868	1873	rVB4	678	1488	0.42%	0.057%

LSC Area Percent Report

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Operator : SY/VA
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Misc : 5.73G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DBGZ8

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\SOM2WLM012921S.M
Title : VOC Analysis

77	13.371	1876	1881	1886	rBV3	5563	9659	2.72%	0.373%
78	13.469	1890	1897	1900	rBV	18598	32797	9.23%	1.265%
79	13.554	1906	1911	1917	rBV	86883	139188	39.19%	5.370%
80	13.762	1942	1945	1950	rBB5	780	1285	0.36%	0.050%
81	13.804	1950	1952	1953	rBV2	254	165	0.05%	0.006%
82	13.853	1953	1960	1967	rBV	78108	128763	36.25%	4.967%
83	13.926	1971	1972	1974	rBV	454	400	0.11%	0.015%
84	14.012	1984	1986	1988	rBV3	231	225	0.06%	0.009%
85	14.066	1990	1995	2002	rVV2	5982	10430	2.94%	0.402%
86	14.152	2006	2009	2012	rVB2	892	1051	0.30%	0.041%
87	14.329	2035	2038	2041	rBV3	609	699	0.20%	0.027%
88	14.438	2052	2056	2059	rBV3	879	1421	0.40%	0.055%
89	14.524	2067	2070	2073	rBV3	558	715	0.20%	0.028%
90	14.572	2074	2078	2083	rVB	3418	4438	1.25%	0.171%
91	14.688	2095	2097	2100	rVB2	403	286	0.08%	0.011%
92	14.719	2100	2102	2103	rBV2	351	214	0.06%	0.008%
93	14.780	2108	2112	2116	rBV4	811	1045	0.29%	0.040%
94	15.066	2156	2159	2163	rVB3	1381	1923	0.54%	0.074%
95	15.127	2166	2169	2173	rVB3	497	716	0.20%	0.028%
96	15.249	2187	2189	2191	rBV2	566	299	0.08%	0.012%
97	15.487	2223	2228	2235	rBV2	4437	7359	2.07%	0.284%
98	15.609	2246	2248	2249	rBV2	467	254	0.07%	0.010%
99	15.859	2287	2289	2291	rBV2	493	467	0.13%	0.018%
100	16.560	2403	2404	2408	rVB2	657	474	0.13%	0.018%

Sum of corrected areas: 2592112

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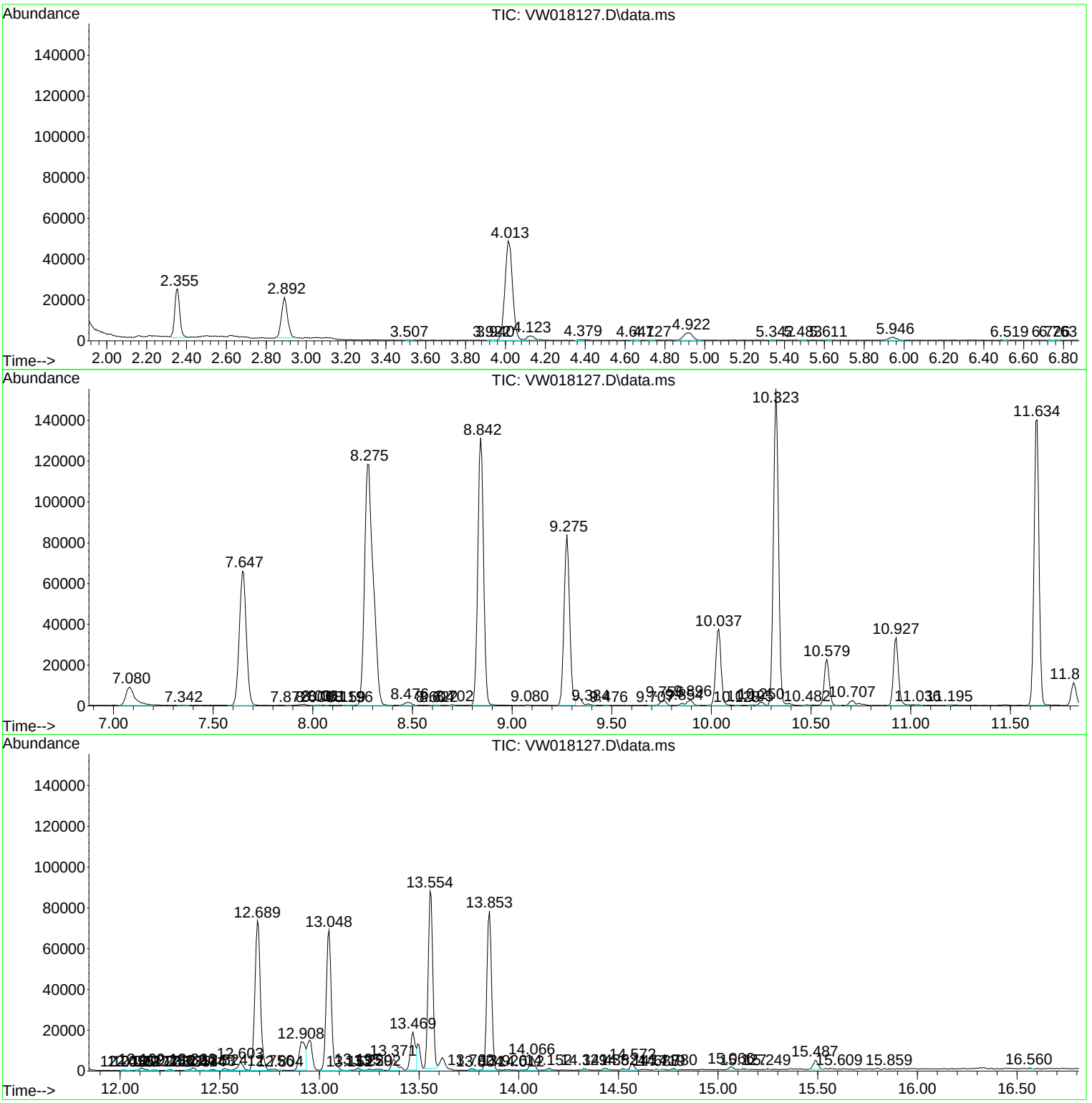
Operator : SY/VA
Sample : M1370-20
Misc : 5.73G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGZ8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
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Instrument : MSVOA_W
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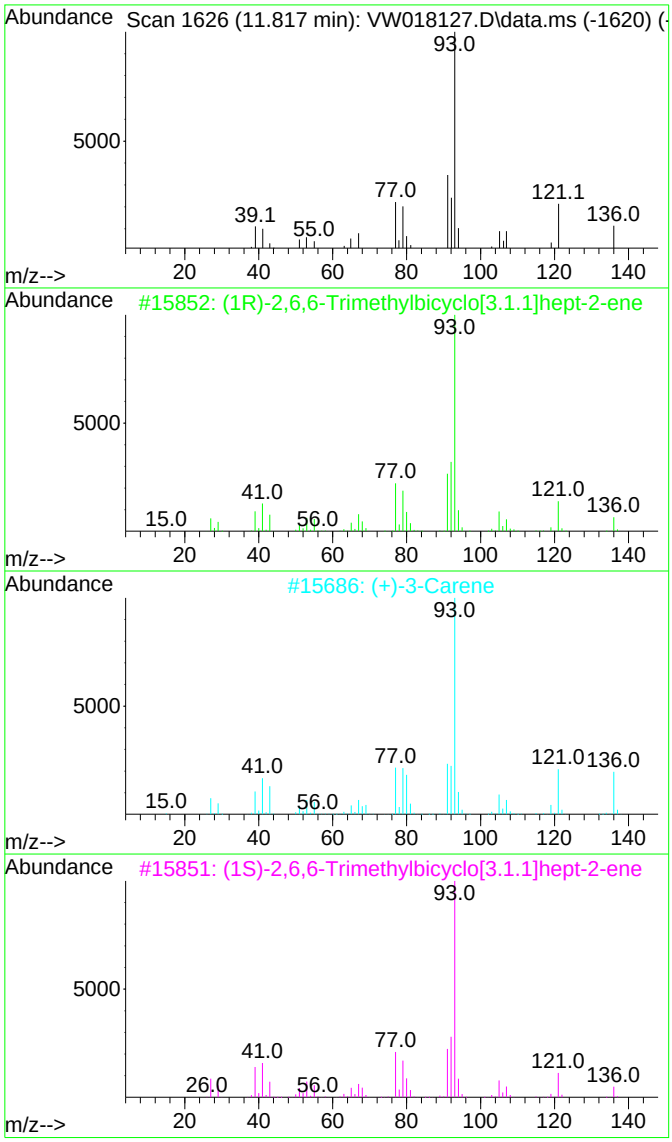
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

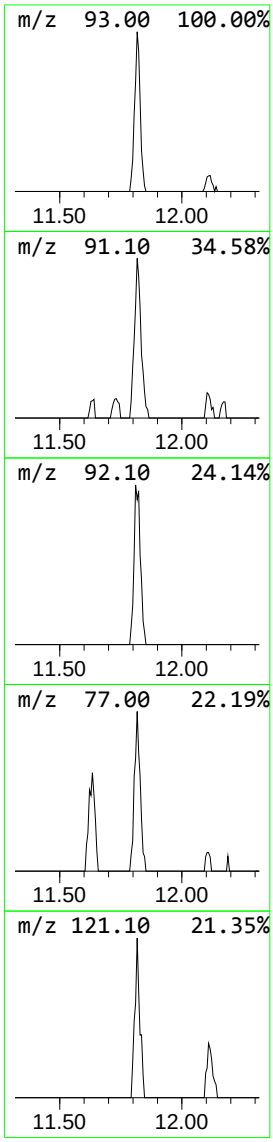
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (1R)-2,6,6-Trimethylbicyclo... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.817	2.01 ug/L	19428	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	94
2	(+)-3-Carene	136	C10H16	000498-15-7	91
3	(1S)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-26-4	91
4	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	91
5	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	91





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Operator : SY/VA
Sample : M1370-20
Misc : 5.73G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGZ8

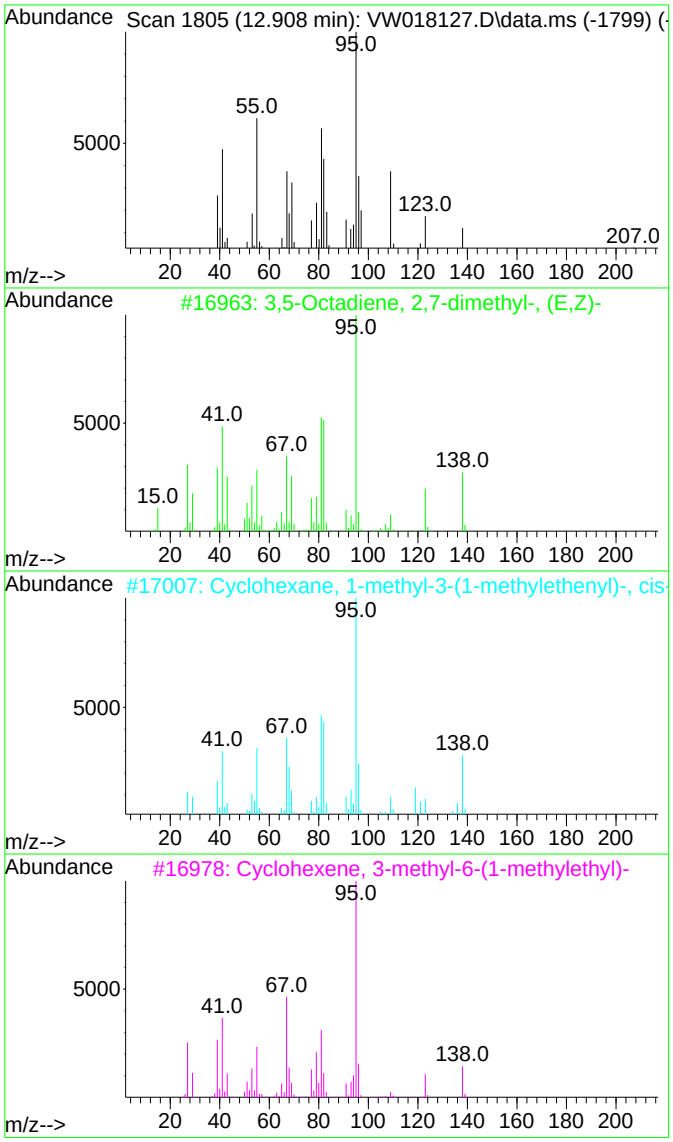
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

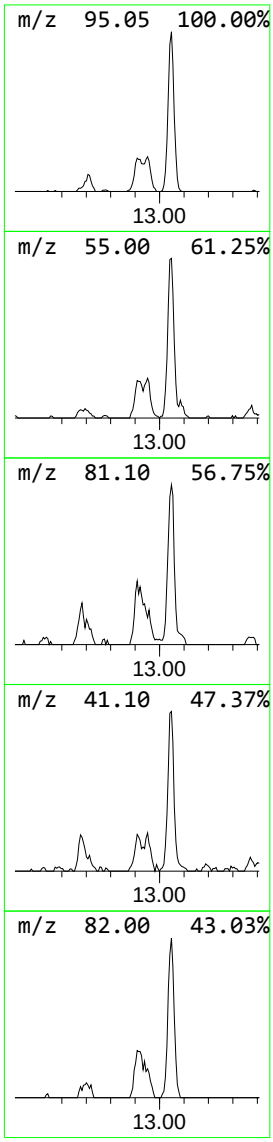
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 3,5-Octadiene, 2,7-dimethyl... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.908	5.57 ug/L	31024	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Octadiene, 2,7-dimethyl-, (E...	138	C10H18	055682-64-9	60
2	Cyclohexane, 1-methyl-3-(1-methy...	138	C10H18	024399-15-3	58
3	Cyclohexene, 3-methyl-6-(1-methy...	138	C10H18	005256-65-5	53
4	Bicyclo[3.1.0]hexan-2-one, 5-(1-...	138	C9H14O	000513-20-2	53
5	(-)-trans-Pinane	138	C10H18	033626-25-4	52





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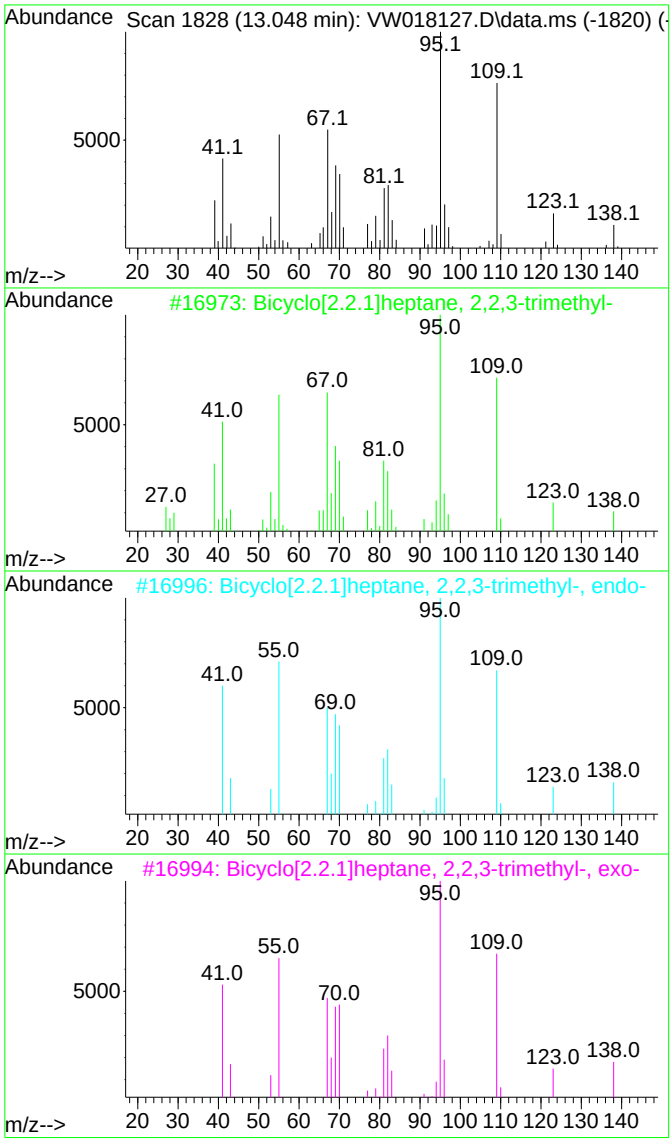
Quant Title : VOC Analysis

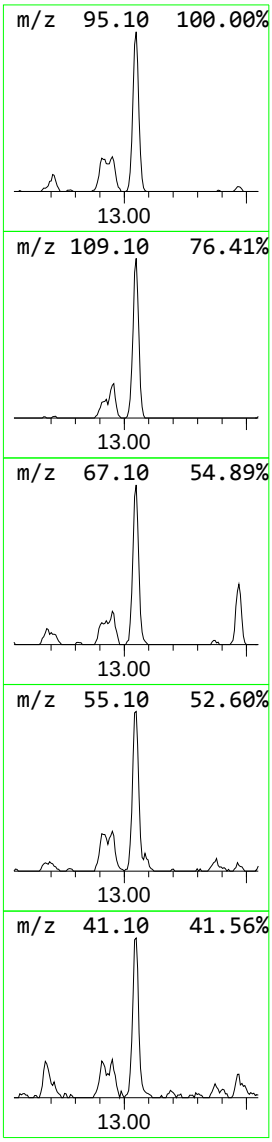
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Bicyclo[2.2.1]heptane, 2,2,... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.048	22.03 ug/L	122651	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	000473-19-8	95
2	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-40-7	92
3	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-41-8	70
4	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-27-2	60
5	Bicyclo[2.2.1]heptane, 1,7,7-tri...	138	C10H18	000464-15-3	58





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ClientSampleId :
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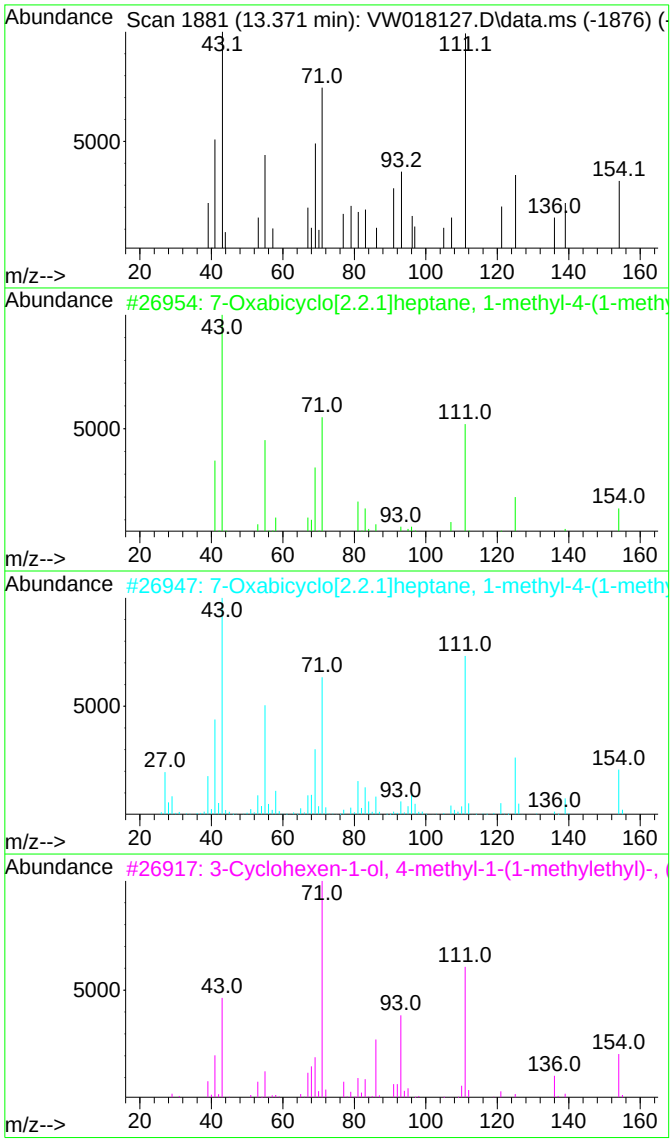
Quant Title : VOC Analysis

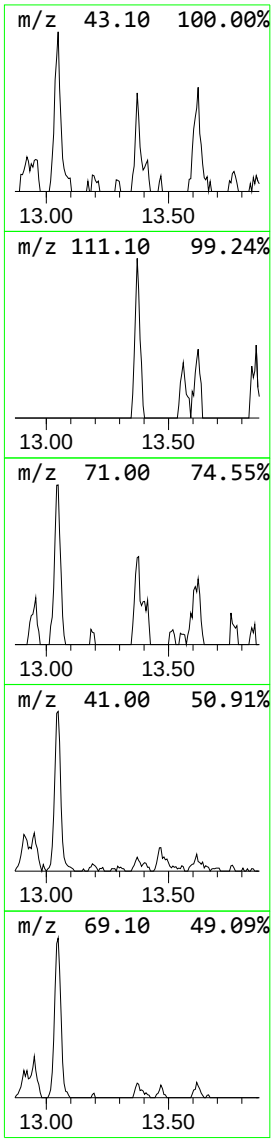
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 7-Oxabicyclo[2.2.1]heptane,... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.371	1.73 ug/L	9659	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	83
2	7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	64
3	3-Cyclohexen-1-ol, 4-methyl-1-(1...	154	C10H18O	020126-76-5	45
4	Cyclohexanol, 1-methyl-4-(1-meth...	154	C10H18O	007299-41-4	37
5	p-Menth-8-en-1-ol, stereoisomer	154	C10H18O	007299-40-3	37





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ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DBGZ8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

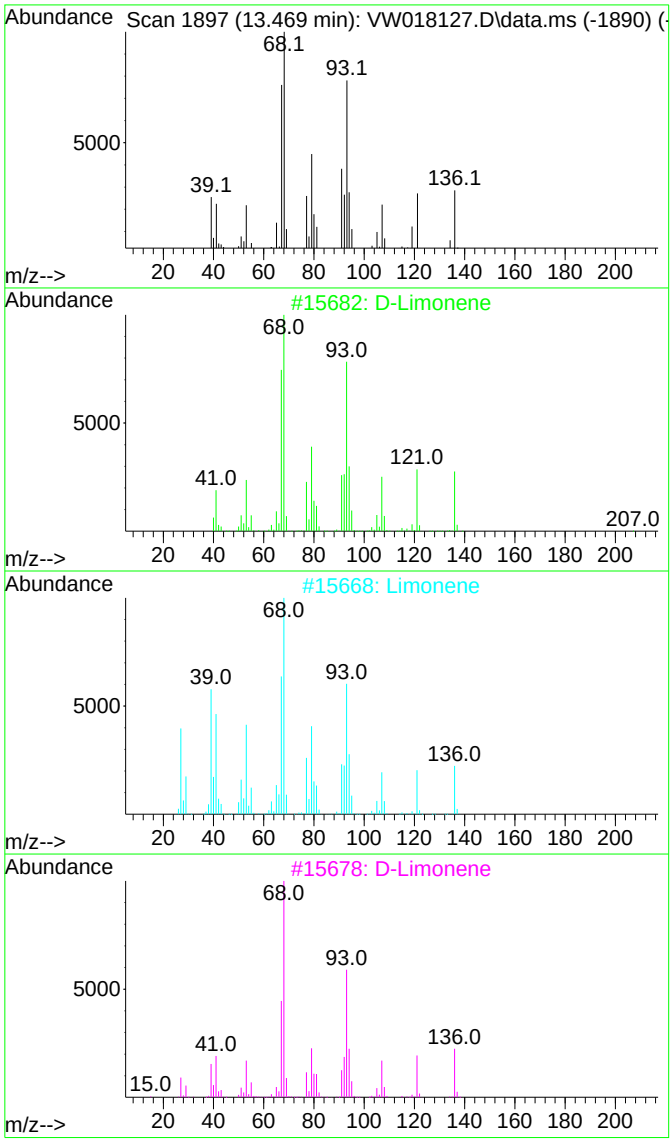
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

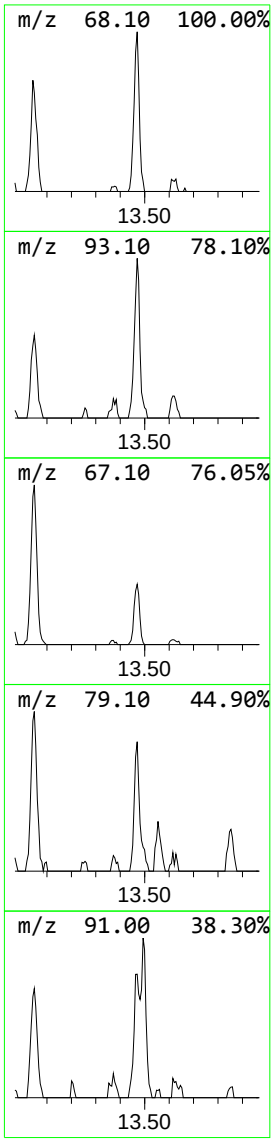
****

Peak Number 7 D-Limonene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.469	5.89 ug/L	32797	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Limonene	136	C10H16	005989-27-5	99
2	Limonene	136	C10H16	000138-86-3	94
3	D-Limonene	136	C10H16	005989-27-5	90
4	Limonene	136	C10H16	000138-86-3	90
5	D-Limonene	136	C10H16	005989-27-5	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018127.D
Acq On : 15 Feb 2021 11:52
Operator : SY/VA
Sample : M1370-20
Misc : 5.73G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DBGZ8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.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
(1R)-2,6,6-Trim...	11.817	2.0	ug/L	19428	2	11.634	241273	25.0
3,5-Octadiene, ...	12.908	5.6	ug/L	31024	3	13.554	139188	25.0
Bicyclo[2.2.1]h...	13.048	22.0	ug/L	122651	3	13.554	139188	25.0
7-Oxabicyclo[2....	13.371	1.7	ug/L	9659	3	13.554	139188	25.0
D-Limonene	13.469	5.9	ug/L	32797	3	13.554	139188	25.0