LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072018\
Data File : VW004093.D
Acq On : 21 Jul 2018 00:31
Operator : SY/AP
Sample : J4038-07
Misc : 6.70G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1M2

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\SOM2WLM071818S.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	1.636	5	8	10	rVB2	276	218	0.00%	0.001%
2	1.745	18	26	28	rBV	11016	20565	0.21%	0.120%
3	1.806	28	36	57	rVB	4697151	9847132	100.00%	57.265%
4	2.349	120	125	134	rVB	56596	97407	0.99%	0.566%
5	2.891	207	214	227	rBV	31750	82242	0.84%	0.478%
6	4.007	386	397	410	rBV2	88530	268463	2.73%	1.561%
7	4.355	451	454	455	rBV	507	519	0.01%	0.003%
8	4.665	500	505	514	rVB3	2514	7157	0.07%	0.042%
9	4.903	535	544	559	rVB4	3757	13481	0.14%	0.078%
10	5.415	626	628	630	rBV2	293	219	0.00%	0.001%
11	5.507	641	643	646	rBV4	311	388	0.00%	0.002%
12	5.647	664	666	669	rVB	265	257	0.00%	0.001%
13	5.708	673	676	677	rBV2	313	238	0.00%	0.001%
14	5.781	682	688	692	rBV4	749	1513	0.02%	0.009%
15	5.879	702	704	707	rBV2	365	315	0.00%	0.002%
16	5.934	707	713	721	rVV7	1766	5067	0.05%	0.029%
17	6.062	731	734	737	rBV	187	210	0.00%	0.001%
18	6.123	741	744	745	rBV2	422	483	0.00%	0.003%
19	6.183	751	754	756	rBV2	310	368	0.00%	0.002%
20	6.299	772	773	776	rBV2	341	398	0.00%	0.002%
21	6.330	776	778	780	rVV2	234	204	0.00%	0.001%
22	6.385	785	787	788	rBV	315	210	0.00%	0.001%
23	6.440	793	796	797	rVV2	234	254	0.00%	0.001%
24	7.086	893	902	909	rBV	29038	84092	0.85%	0.489%
25	7.397	951	953	954	rBV	479	488	0.00%	0.003%
26	7.433	954	959	967	rVV7	1785	5687	0.06%	0.033%
27	7.531	972	975	978	rVV3	570	718	0.01%	0.004%
28	7.653	983	995	1008	rVV	163568	406559	4.13%	2.364%
29	7.799	1014	1019	1022	rBV3	279	461	0.00%	0.003%
30	7.933	1039	1041	1043	rBV	369	350	0.00%	0.002%
31	7.976	1046	1048	1052	rVB2	287	292	0.00%	0.002%
32	8.055	1057	1061	1063	rBV3	346	548	0.01%	0.003%
33	8.134	1068	1074	1079	rVB4	330	728	0.01%	0.004%
34	8.171	1079	1080	1084	rBV	269	308	0.00%	0.002%

LSC Area Percent Report

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Data File : VW004093.D
Acq On : 21 Jul 2018 00:31
Operator : SY/AP
Sample : J4038-07
Misc : 6.70G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1M2

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\SOM2WLM071818S.M
Title : VOC Analysis

35	8.281	1087	1098	1114	rBV2	290883	899137	9.13%	5.229%
36	8.707	1167	1168	1176	rVB4	902	1284	0.01%	0.007%
37	8.848	1182	1191	1201	rBV	354548	696979	7.08%	4.053%
38	9.043	1218	1223	1225	rBV4	1465	2652	0.03%	0.015%
39	9.213	1250	1251	1253	rBV2	340	232	0.00%	0.001%
40	9.281	1253	1262	1278	rVV	227973	464597	4.72%	2.702%
41	9.469	1288	1293	1300	rVB4	1097	2423	0.02%	0.014%
42	9.616	1316	1317	1320	rBV	279	277	0.00%	0.002%
43	9.658	1321	1324	1331	rVB4	1449	2111	0.02%	0.012%
44	9.762	1335	1341	1347	rBV3	8383	16431	0.17%	0.096%
45	9.896	1356	1363	1369	rBV2	15973	30428	0.31%	0.177%
46	10.036	1379	1386	1394	rBV	87071	158751	1.61%	0.923%
47	10.256	1413	1422	1426	rBV2	5279	10184	0.10%	0.059%
48	10.329	1426	1434	1442	rVV	360476	626684	6.36%	3.644%
49	10.512	1460	1464	1469	rVB5	1688	3063	0.03%	0.018%
50	10.585	1469	1476	1485	rVV	65395	113955	1.16%	0.663%
51	10.652	1485	1487	1489	rVV2	433	307	0.00%	0.002%
52	10.713	1491	1497	1504	rVV2	5849	10691	0.11%	0.062%
53	10.774	1504	1507	1512	rVB4	1353	2148	0.02%	0.012%
54	10.933	1526	1533	1545	rBV2	107361	218151	2.22%	1.269%
55	11.097	1554	1560	1570	rVB6	4966	14134	0.14%	0.082%
56	11.207	1572	1578	1586	rVB	13278	23911	0.24%	0.139%
57	11.268	1586	1588	1594	rBV4	441	959	0.01%	0.006%
58	11.317	1594	1596	1597	rBV	354	214	0.00%	0.001%
59	11.341	1597	1600	1602	rVB3	419	352	0.00%	0.002%
60	11.567	1634	1637	1639	rBV2	332	373	0.00%	0.002%
61	11.634	1640	1648	1656	rVV	481536	808711	8.21%	4.703%
62	11.737	1658	1665	1672	rVB3	42250	78186	0.79%	0.455%
63	11.817	1674	1678	1681	rBV4	1133	2013	0.02%	0.012%
64	11.963	1700	1702	1703	rBV2	264	214	0.00%	0.001%
65	11.993	1703	1707	1708	rVV	328	345	0.00%	0.002%
66	12.030	1708	1713	1721	rVB4	828	1974	0.02%	0.011%
67	12.170	1732	1736	1738	rBV5	868	1145	0.01%	0.007%
68	12.256	1748	1750	1752	rVB2	554	400	0.00%	0.002%
69	12.335	1759	1763	1765	rVV3	2357	3001	0.03%	0.017%
70	12.371	1766	1769	1776	rVB2	7554	12198	0.12%	0.071%
71	12.475	1778	1786	1796	rBV	68479	118293	1.20%	0.688%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072018\
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Acq On : 21 Jul 2018 00:31
Operator : SY/AP
Sample : J4038-07
Misc : 6.70G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1M2

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\SOM2WLM071818S.M
Title : VOC Analysis

72	12.566	1796	1801	1804	rVV5	1577	2189	0.02%	0.013%
73	12.615	1804	1809	1815	rVB3	5137	8634	0.09%	0.050%
74	12.701	1816	1823	1833	rBV	212897	366986	3.73%	2.134%
75	12.944	1857	1863	1871	rBV5	7397	13897	0.14%	0.081%
76	13.036	1871	1878	1887	rBV2	72742	125370	1.27%	0.729%
77	13.103	1887	1889	1891	rVB2	672	421	0.00%	0.002%
78	13.152	1895	1897	1898	rBV	665	478	0.00%	0.003%
79	13.219	1903	1908	1914	rBV3	4508	9408	0.10%	0.055%
80	13.371	1927	1933	1936	rBV4	2123	3206	0.03%	0.019%
81	13.481	1944	1951	1959	rBV2	138574	241817	2.46%	1.406%
82	13.566	1959	1965	1975	rVV	433703	701058	7.12%	4.077%
83	13.658	1976	1980	1987	rVV3	5182	9287	0.09%	0.054%
84	13.719	1987	1990	1997	rVV3	4645	7211	0.07%	0.042%
85	13.786	1999	2001	2003	rVB3	689	432	0.00%	0.003%
86	13.859	2007	2013	2023	rVB	282452	469996	4.77%	2.733%
87	14.005	2032	2037	2041	rBV5	1911	3613	0.04%	0.021%
88	14.078	2045	2049	2057	rVB2	3549	6417	0.07%	0.037%
89	14.231	2072	2074	2078	rBV2	461	614	0.01%	0.004%
90	14.280	2078	2082	2085	rVV4	946	1342	0.01%	0.008%
91	14.536	2118	2124	2130	rVB3	3089	5200	0.05%	0.030%
92	14.737	2153	2157	2161	rVB5	3033	4397	0.04%	0.026%
93	15.267	2240	2244	2245	rBV4	606	890	0.01%	0.005%
94	15.487	2279	2280	2282	rBV	526	336	0.00%	0.002%
95	15.505	2282	2283	2284	rBV	527	279	0.00%	0.002%
96	15.572	2290	2294	2295	rBV3	988	1116	0.01%	0.006%
97	15.737	2315	2321	2329	rVB5	15894	28640	0.29%	0.167%
98	16.169	2390	2392	2395	rVB3	930	777	0.01%	0.005%
99	16.444	2433	2437	2443	rBV7	1646	3183	0.03%	0.019%
100	16.730	2479	2484	2490	rVB6	2121	4041	0.04%	0.024%

Sum of corrected areas: 17195682

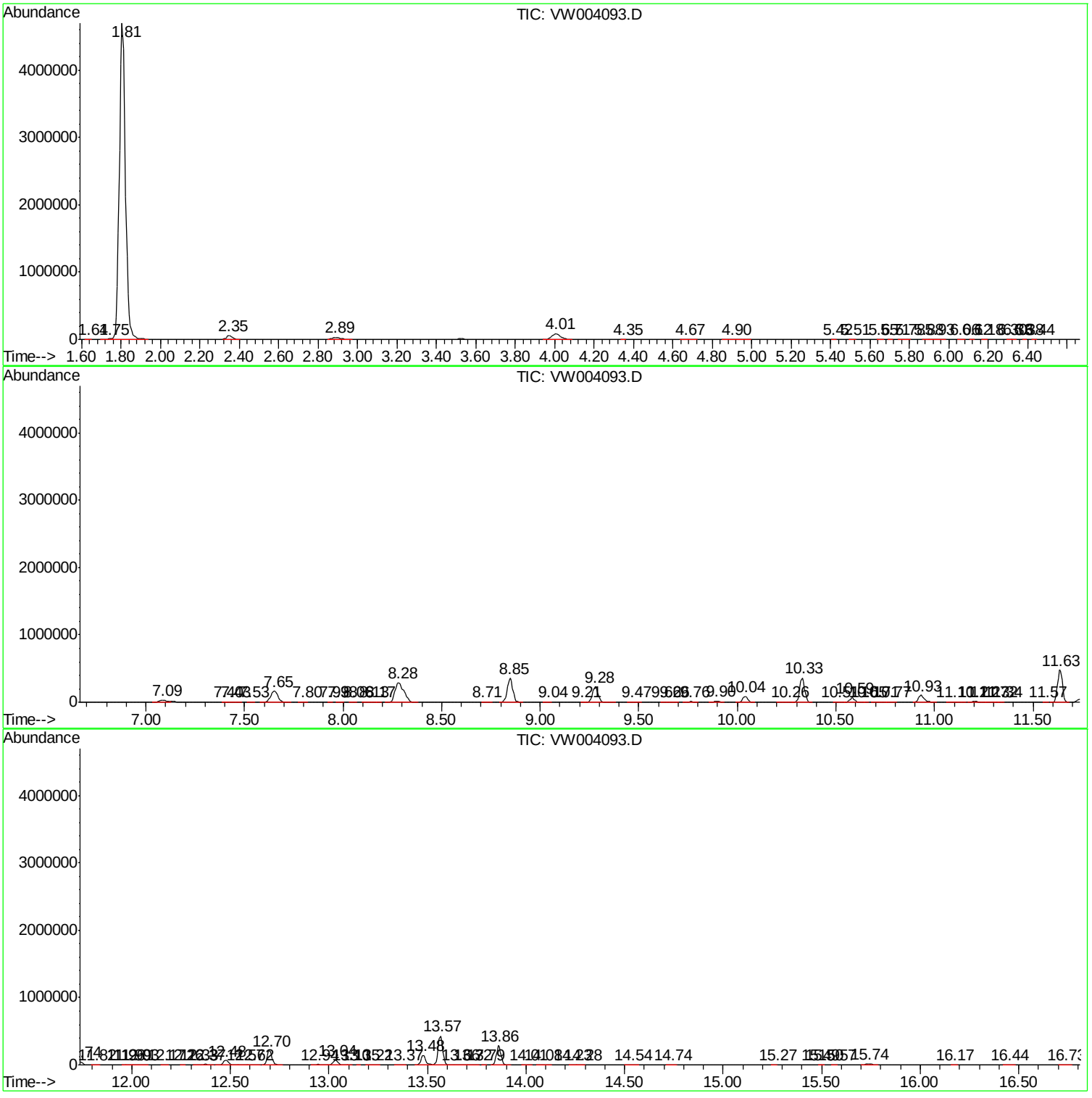
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072018\
Data File : VW004093.D
Acq On : 21 Jul 2018 00:31
Operator : SY/AP
Sample : J4038-07
Misc : 6.70G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DB1M2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.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\VW072018\
Data File : VW004093.D
Acq On : 21 Jul 2018 00:31
Operator : SY/AP
Sample : J4038-07
Misc : 6.70G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1M2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis

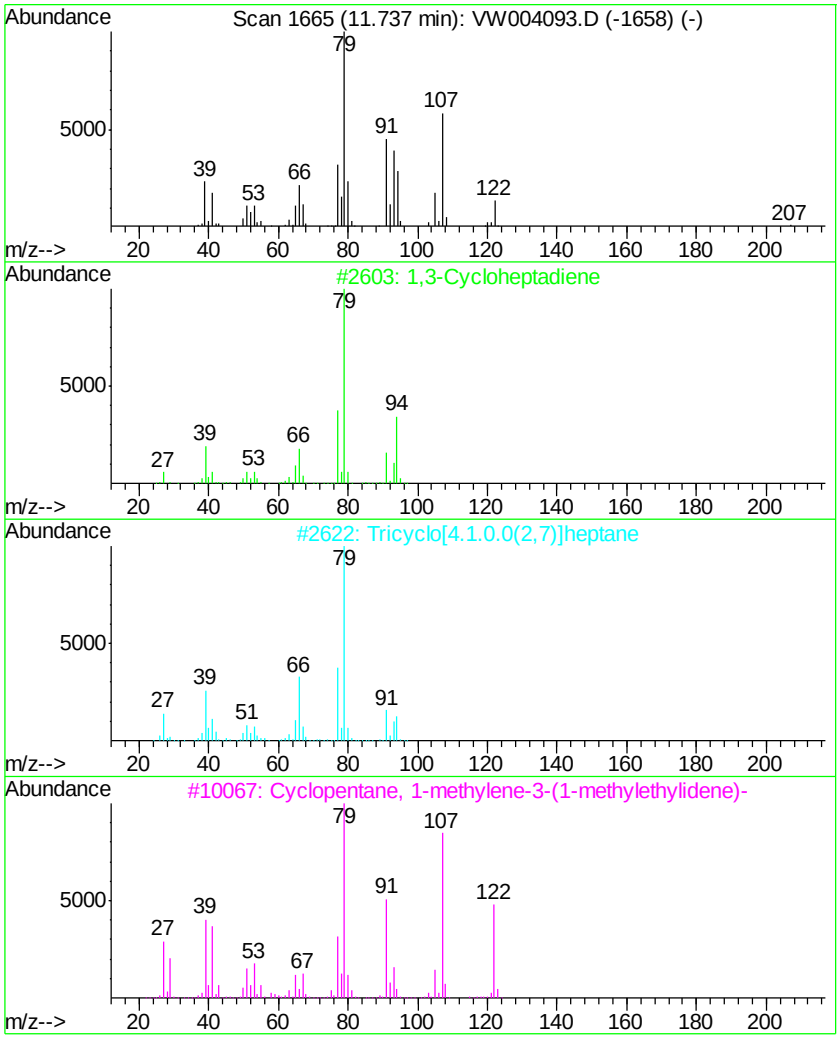
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

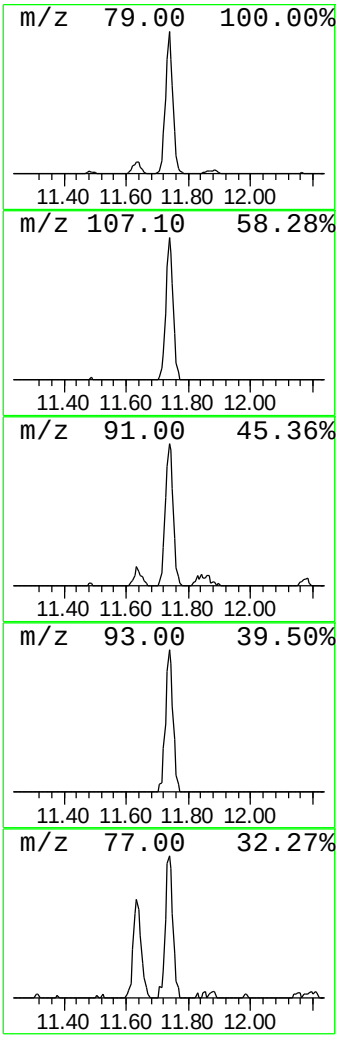
****

Peak Number 3 1,3-Cycloheptadiene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	2.42 ug/L	78186	Chlorobenzene-d5	11.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cycloheptadiene	94	C7H10	004054-38-0	64
2	Tricyclo[4.1.0.0(2,7)]heptane	94	C7H10	000287-13-8	50
3	Cyclopentane, 1-methylene-3-(1-m...	122	C9H14	073913-74-3	49
4	3,3-Dimethyl-6-methylenecyclohexene	122	C9H14	020185-16-4	46
5	Bicyclo[3.2.0]hept-6-ene	94	C7H10	004927-03-1	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072018\
Data File : VW004093.D
Acq On : 21 Jul 2018 00:31
Operator : SY/AP
Sample : J4038-07
Misc : 6.70G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1M2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis

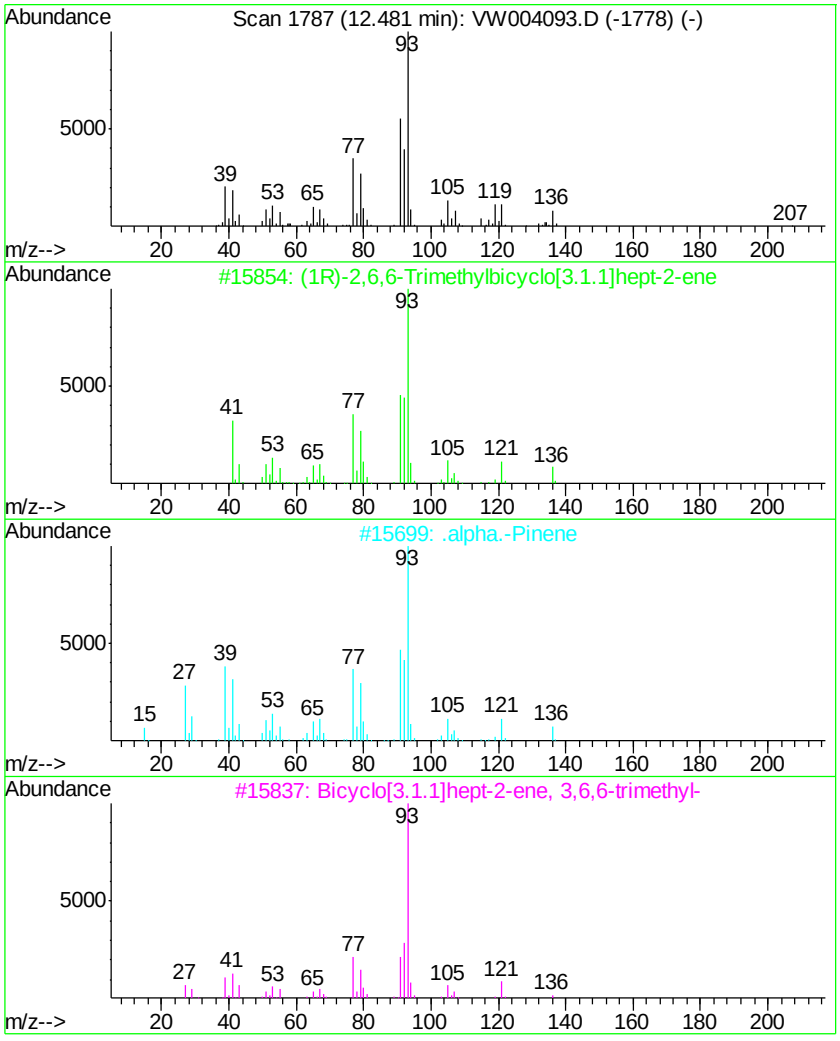
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

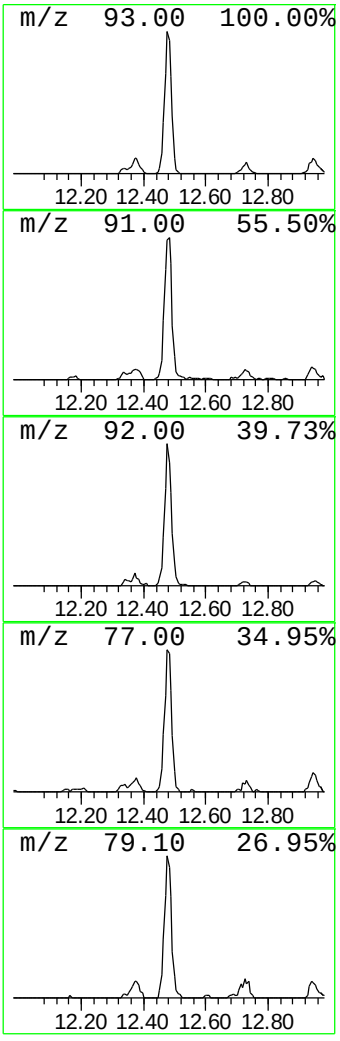
****

Peak Number 4 (1R)-2,6,6-Trimethylbicyclo... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	3.66 ug/L	118293	Chlorobenzene-d5	11.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	96
2	.alpha.-Pinene	136	C10H16	000080-56-8	93
3	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	91
4	.alpha.-Pinene	136	C10H16	000080-56-8	91
5	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072018\
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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1M2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis

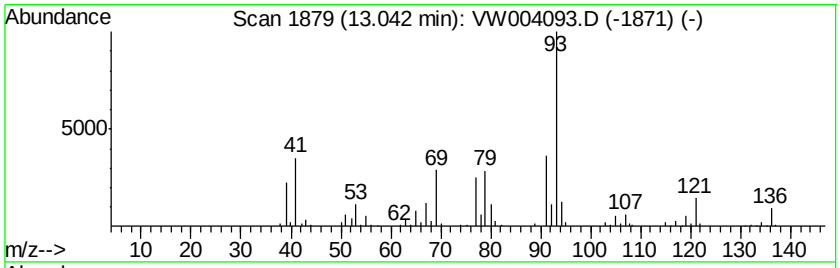
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

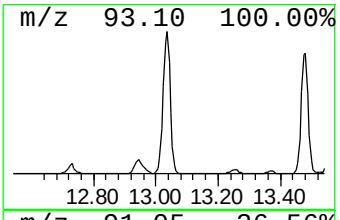
****

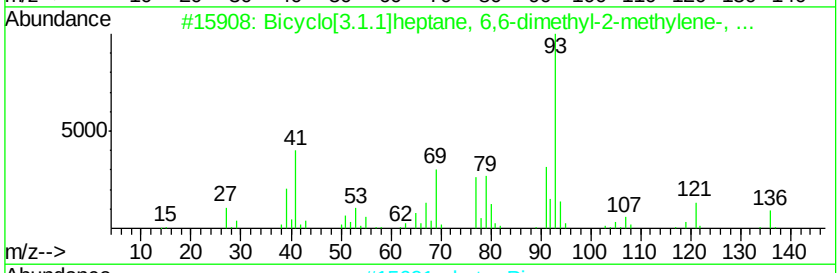
Peak Number 5 Bicyclo[3.1.1]heptane, 6,6-... Concentration Rank 4

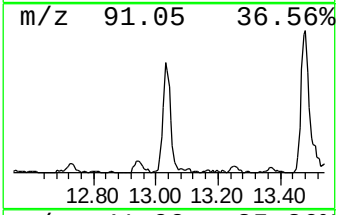
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	4.47 ug/L	125370	1,4-Dichlorobenzene-d4	13.57

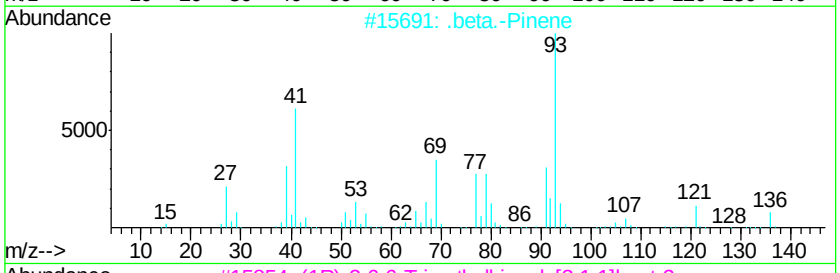
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	96
2	.beta.-Pinene	136	C10H16	000127-91-3	96
3	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	93
4	Cyclohexene, 4-methylene-1-(1-me...	136	C10H16	000099-84-3	91
5	.alpha.-Pinene	136	C10H16	000080-56-8	90

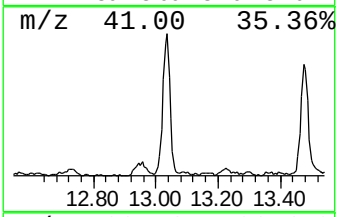


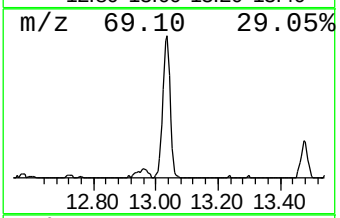


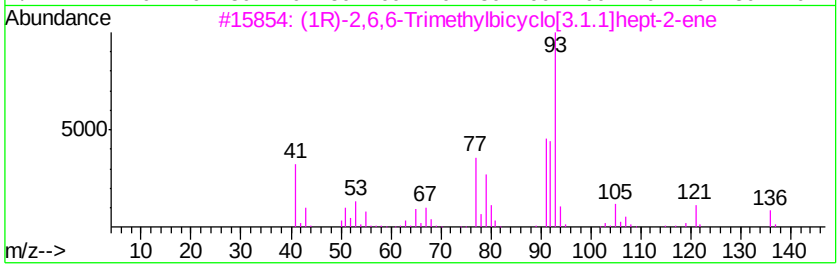


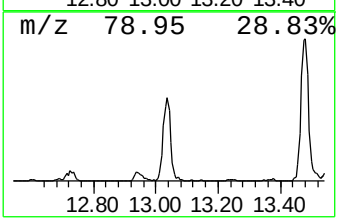












Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072018\
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Acq On : 21 Jul 2018 00:31
Operator : SY/AP
Sample : J4038-07
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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1M2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis

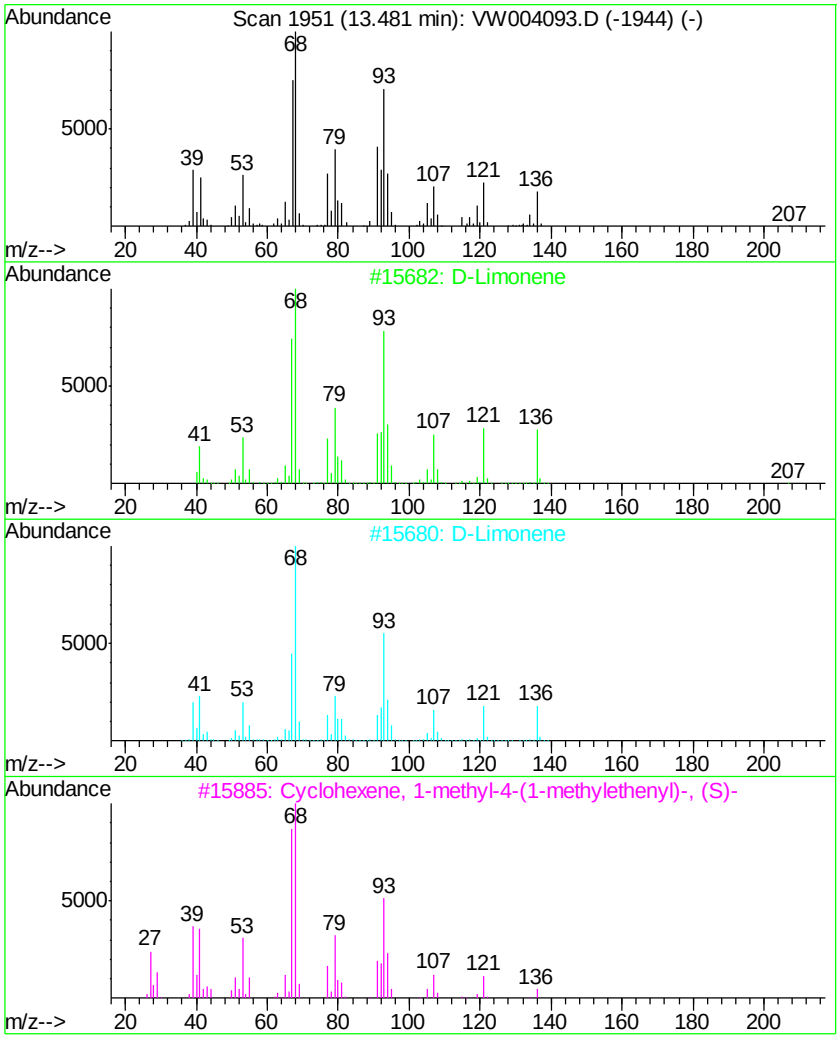
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

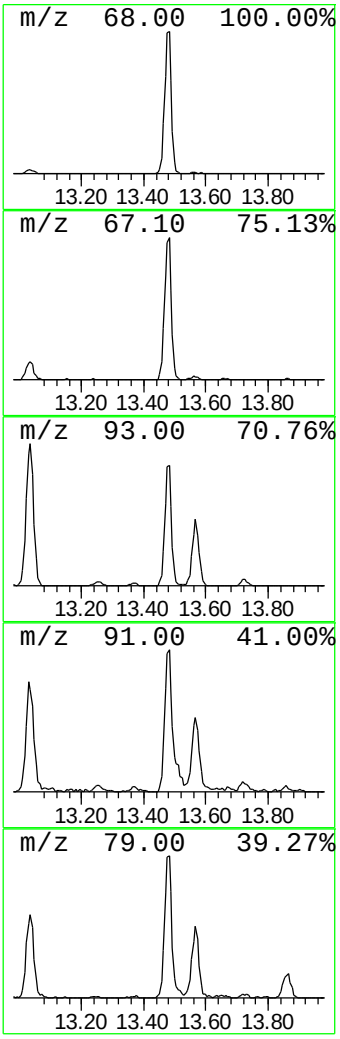
****

Peak Number 6 D-Limonene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	8.62 ug/L	241817	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Limonene	136	C10H16	005989-27-5	98
2	D-Limonene	136	C10H16	005989-27-5	94
3	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	005989-54-8	94
4	Limonene	136	C10H16	000138-86-3	93
5	Limonene	136	C10H16	000138-86-3	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072018\
Data File : VW004093.D
Acq On : 21 Jul 2018 00:31
Operator : SY/AP
Sample : J4038-07
Misc : 6.70G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1M2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.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
1,3-Cycloheptadiene	11.74	2.4	ug/L	78186	2	11.64	808711	25.0
(1R)-2,6,6-Trimet...	12.48	3.7	ug/L	118293	2	11.64	808711	25.0
Bicyclo[3.1.1]hep...	13.04	4.5	ug/L	125370	3	13.57	701058	25.0
D-Limonene	13.48	8.6	ug/L	241817	3	13.57	701058	25.0