LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW091518\
Data File : VW005388.D
Acq On : 14 Sep 2018 15:39
Operator : SY/AP
Sample : J4865-17
Misc : 5.35G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB3P5

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\SOM2WLM091318S.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	2.349	68	73	83	rVB	75835	120883	5.11%	1.210%
2	2.892	155	162	173	rVB	58573	116442	4.92%	1.166%
3	3.215	214	215	219	rVB2	380	434	0.02%	0.004%
4	3.269	219	224	231	rBV4	1681	3997	0.17%	0.040%
5	3.385	240	243	244	rBV2	927	1008	0.04%	0.010%
6	3.477	256	258	262	rVB2	329	416	0.02%	0.004%
7	3.568	269	273	274	rBV2	410	601	0.03%	0.006%
8	3.696	292	294	295	rBV2	839	501	0.02%	0.005%
9	3.721	295	298	299	rBV2	1253	1425	0.06%	0.014%
10	3.861	314	321	324	rBV4	1210	2606	0.11%	0.026%
11	4.025	336	348	358	rBV	98519	262450	11.10%	2.627%
12	4.147	358	368	384	rVV	161892	507098	21.44%	5.076%
13	4.464	411	420	421	rBV3	2337	4791	0.20%	0.048%
14	4.928	484	496	509	rBV3	17764	58617	2.48%	0.587%
15	5.117	521	527	528	rBV4	679	890	0.04%	0.009%
16	5.751	628	631	633	rBV2	647	636	0.03%	0.006%
17	5.952	656	664	675	rVB4	3019	8918	0.38%	0.089%
18	6.342	725	728	734	rVV3	237	413	0.02%	0.004%
19	6.501	752	754	761	rVB2	375	497	0.02%	0.005%
20	6.842	807	810	812	rBV2	415	536	0.02%	0.005%
21	6.940	819	826	828	rBV5	605	1217	0.05%	0.012%
22	7.092	838	851	855	rBV2	24673	63543	2.69%	0.636%
23	7.403	900	902	904	rBV2	460	405	0.02%	0.004%
24	7.452	904	910	915	rVV4	1406	3206	0.14%	0.032%
25	7.549	921	926	931	rVB6	1621	4020	0.17%	0.040%
26	7.659	933	944	954	rVV	135694	335362	14.18%	3.357%
27	7.952	989	992	993	rBV2	406	436	0.02%	0.004%
28	8.281	1030	1046	1063	rBV3	331254	1064318	45.00%	10.654%
29	8.616	1099	1101	1103	rBV3	430	410	0.02%	0.004%
30	8.647	1105	1106	1109	rVV	805	612	0.03%	0.006%
31	8.701	1110	1115	1123	rVB7	2076	4721	0.20%	0.047%
32	8.848	1130	1139	1158	rBV	313420	633711	26.79%	6.344%
33	9.086	1171	1178	1189	rBV10	2587	7671	0.32%	0.077%
34	9.207	1196	1198	1201	rVB2	454	421	0.02%	0.004%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW091518\
Data File : VW005388.D
Acq On : 14 Sep 2018 15:39
Operator : SY/AP
Sample : J4865-17
Misc : 5.35G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB3P5

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\SOM2WLM091318S.M
Title : VOC Analysis

35	9.281	1201	1210	1228	rBV2	196797	424294	17.94%	4.247%
36	9.512	1245	1248	1252	rVB4	452	720	0.03%	0.007%
37	9.561	1254	1256	1259	rVB2	538	406	0.02%	0.004%
38	9.665	1269	1273	1278	rBV4	363	732	0.03%	0.007%
39	9.768	1283	1290	1297	rBV3	1465	4309	0.18%	0.043%
40	9.817	1297	1298	1300	rBV2	549	491	0.02%	0.005%
41	9.896	1305	1311	1316	rVB5	3205	6359	0.27%	0.064%
42	9.970	1319	1323	1326	rBV5	1188	1448	0.06%	0.014%
43	10.043	1326	1335	1347	rVB	95748	175388	7.41%	1.756%
44	10.213	1358	1363	1368	rBV6	2821	6226	0.26%	0.062%
45	10.329	1375	1382	1391	rBV	388083	677708	28.65%	6.784%
46	10.585	1417	1424	1431	rBV	63169	112552	4.76%	1.127%
47	10.713	1438	1445	1452	rBV	40504	84515	3.57%	0.846%
48	10.933	1474	1481	1486	rBV	100498	175023	7.40%	1.752%
49	11.067	1498	1503	1513	rVB	20991	36639	1.55%	0.367%
50	11.177	1518	1521	1523	rBV4	1974	2456	0.10%	0.025%
51	11.299	1533	1541	1542	rBV5	2853	5882	0.25%	0.059%
52	11.445	1560	1565	1572	rVB	33336	54800	2.32%	0.549%
53	11.634	1589	1596	1607	rVB	391888	677719	28.65%	6.784%
54	11.792	1620	1622	1624	rBV3	1079	1017	0.04%	0.010%
55	11.926	1642	1644	1645	rBV2	872	833	0.04%	0.008%
56	12.183	1677	1686	1690	rBV7	2302	5443	0.23%	0.054%
57	12.243	1691	1696	1706	rVB	18223	28090	1.19%	0.281%
58	12.372	1713	1717	1722	rVB7	1696	3196	0.14%	0.032%
59	12.475	1726	1734	1743	rBV	1458777	2365376	100.00%	23.678%
60	12.615	1751	1757	1764	rVB	56796	94400	3.99%	0.945%
61	12.701	1764	1771	1781	rBV	121269	245122	10.36%	2.454%
62	12.774	1781	1783	1785	rVB3	1113	792	0.03%	0.008%
63	12.847	1792	1795	1798	rVB4	675	624	0.03%	0.006%
64	12.938	1805	1810	1811	rBV2	7181	8334	0.35%	0.083%
65	13.036	1819	1826	1833	rBV	346522	579109	24.48%	5.797%
66	13.127	1838	1841	1846	rVB3	4498	6292	0.27%	0.063%
67	13.207	1850	1854	1860	rVB6	5335	8685	0.37%	0.087%
68	13.310	1865	1871	1877	rVB3	14264	25135	1.06%	0.252%
69	13.408	1883	1887	1892	rBV5	2323	4075	0.17%	0.041%
70	13.475	1892	1898	1902	rBV	35051	62378	2.64%	0.624%
71	13.566	1907	1913	1925	rVB	287117	464662	19.64%	4.651%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW091518\
Data File : VW005388.D
Acq On : 14 Sep 2018 15:39
Operator : SY/AP
Sample : J4865-17
Misc : 5.35G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB3P5

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\SOM2WLM091318S.M
Title : VOC Analysis

72	13.652	1925	1927	1930	rBV4	733	671	0.03%	0.007%
73	13.725	1935	1939	1942	rVB4	1619	2298	0.10%	0.023%
74	13.768	1942	1946	1949	rBV4	1698	2260	0.10%	0.023%
75	13.859	1954	1961	1975	rVB	200788	339857	14.37%	3.402%
76	13.957	1975	1977	1981	rVB4	1023	1466	0.06%	0.015%
77	14.005	1981	1985	1988	rBV4	1879	3147	0.13%	0.032%
78	14.036	1988	1990	1991	rVV2	1710	1586	0.07%	0.016%
79	14.085	1993	1998	2013	rVB2	14114	35353	1.49%	0.354%
80	14.207	2014	2018	2019	rBV2	651	562	0.02%	0.006%
81	14.341	2032	2040	2044	rBV4	4510	8548	0.36%	0.086%
82	14.377	2044	2046	2051	rVB4	2156	2348	0.10%	0.024%
83	14.511	2064	2068	2070	rBV4	767	1108	0.05%	0.011%
84	14.713	2096	2101	2102	rBV4	721	1150	0.05%	0.012%
85	14.743	2102	2106	2110	rVV5	1923	3317	0.14%	0.033%
86	14.804	2114	2116	2118	rVB3	577	501	0.02%	0.005%
87	14.871	2125	2127	2130	rBV3	446	417	0.02%	0.004%
88	14.938	2137	2138	2140	rBV2	631	439	0.02%	0.004%
89	14.999	2145	2148	2149	rBV3	623	541	0.02%	0.005%
90	15.084	2158	2162	2165	rBV4	1810	2744	0.12%	0.027%
91	15.420	2215	2217	2218	rBV2	739	643	0.03%	0.006%
92	15.444	2218	2221	2227	rVV2	3535	5706	0.24%	0.057%
93	15.511	2227	2232	2237	rVV3	2850	5033	0.21%	0.050%
94	15.566	2239	2241	2242	rVB2	871	488	0.02%	0.005%
95	15.792	2273	2278	2280	rBV6	1003	1704	0.07%	0.017%
96	15.859	2287	2289	2291	rBV2	902	826	0.03%	0.008%
97	16.182	2340	2342	2345	rVB3	909	785	0.03%	0.008%
98	16.212	2345	2347	2348	rBV2	559	499	0.02%	0.005%
99	16.365	2368	2372	2376	rBV6	647	979	0.04%	0.010%
100	16.633	2414	2416	2417	rVB	1041	464	0.02%	0.005%

Sum of corrected areas: 9989882

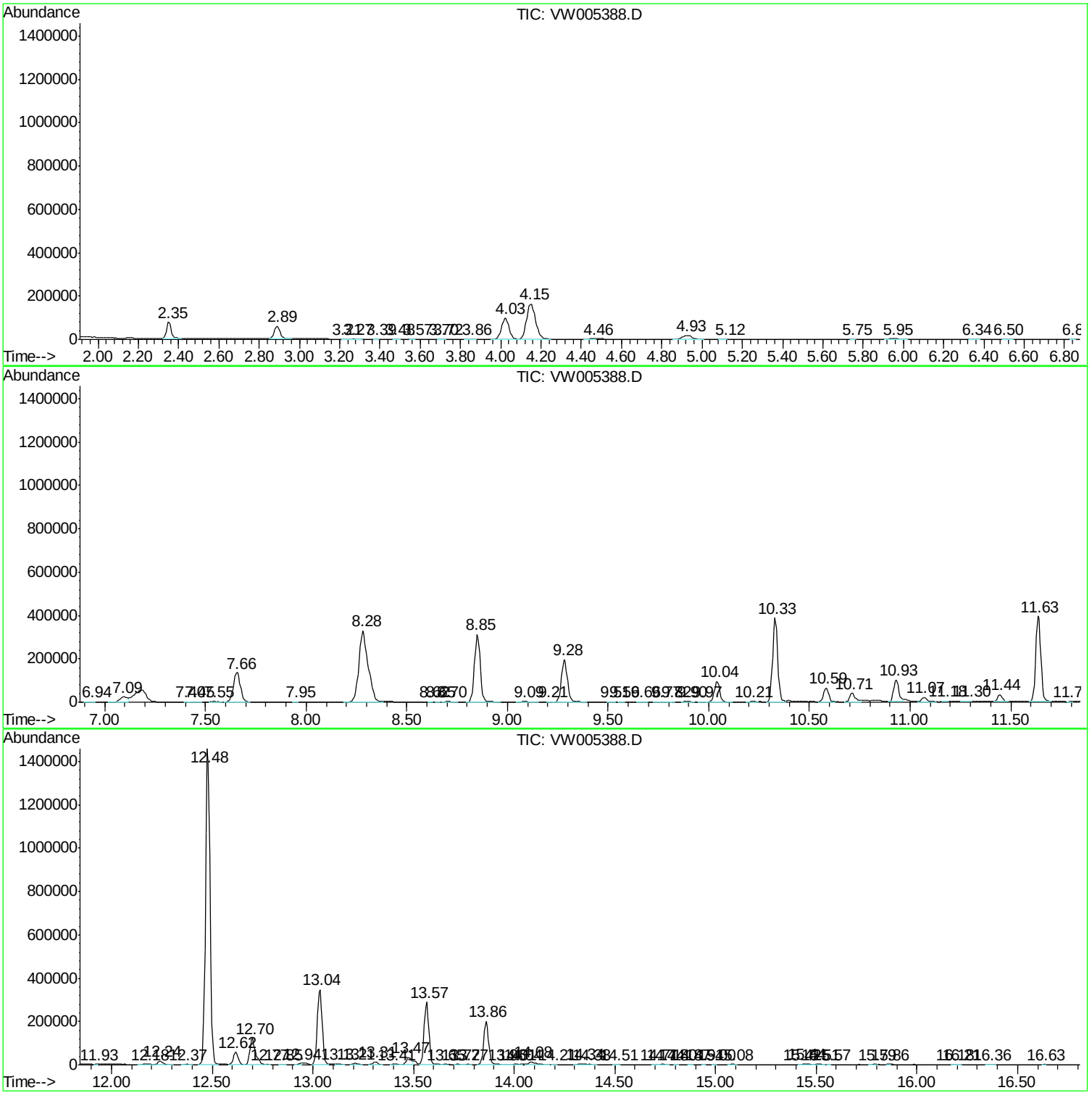
LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW091518\
Data File : VW005388.D
Acq On : 14 Sep 2018 15:39
Operator : SY/AP
Sample : J4865-17
Misc : 5.35G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB3P5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091318S.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\VW091518\
Data File : VW005388.D
Acq On : 14 Sep 2018 15:39
Operator : SY/AP
Sample : J4865-17
Misc : 5.35G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB3P5

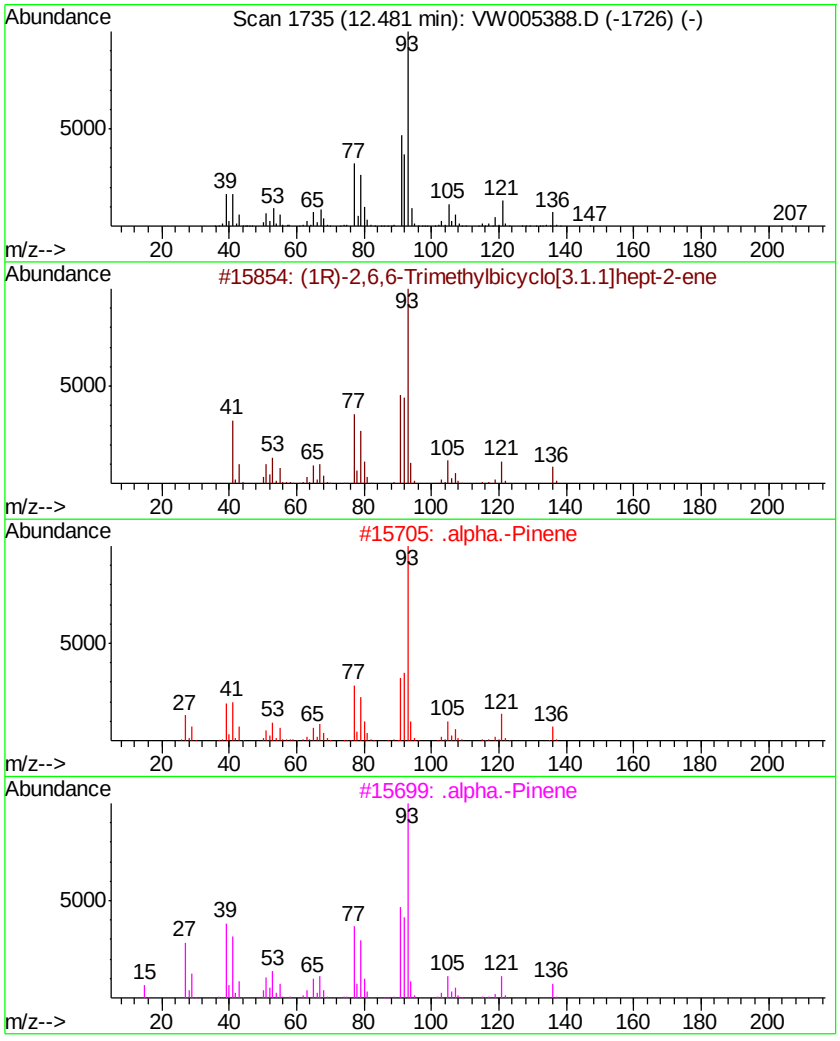
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091318S.M
Quant Title : VOC Analysis

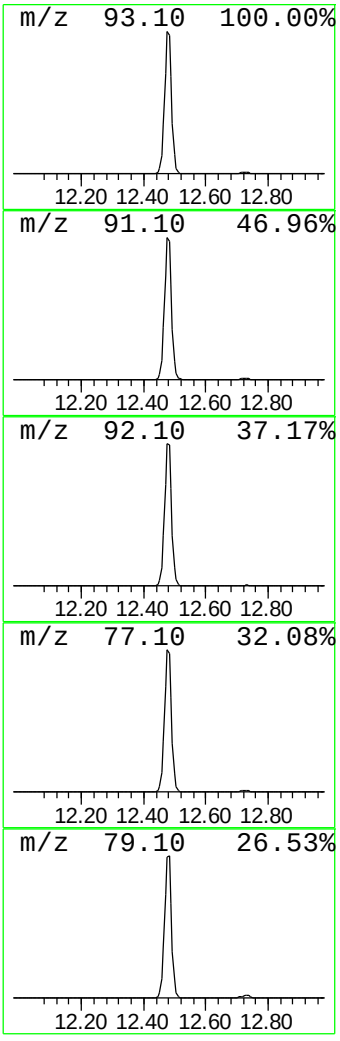
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	87.26 ug/L	2365380	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	97
2	.alpha.-Pinene	136	C10H16	000080-56-8	97
3	.alpha.-Pinene	136	C10H16	000080-56-8	95
4	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	94
5	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW091518\
Data File : VW005388.D
Acq On : 14 Sep 2018 15:39
Operator : SY/AP
Sample : J4865-17
Misc : 5.35G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB3P5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091318S.M
Quant Title : VOC Analysis

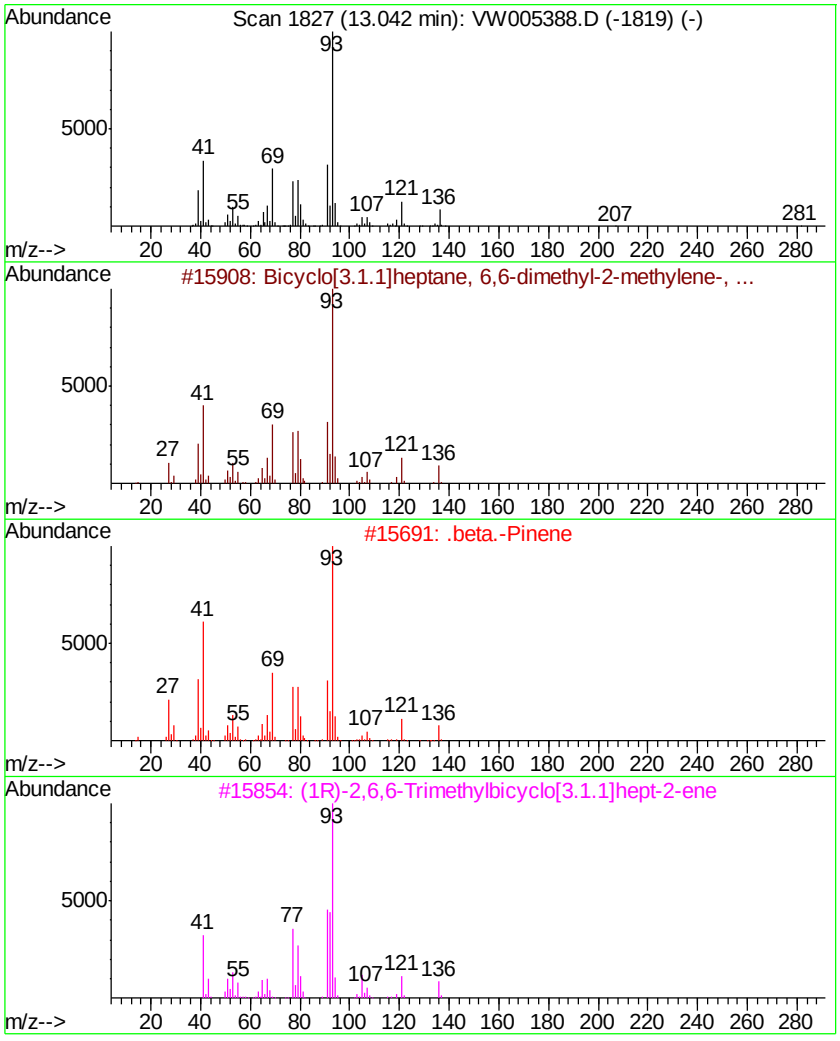
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

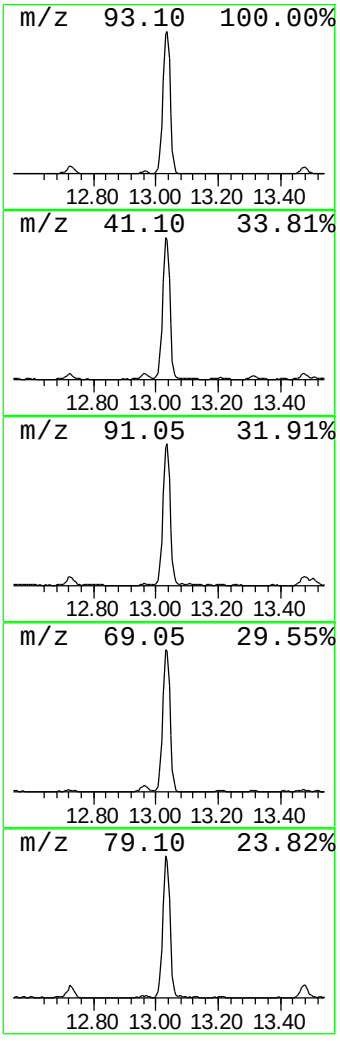
****

Peak Number 7 Bicyclo[3.1.1]heptane, 6,6-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	31.16 ug/L	579109	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	94
4	.beta.-Pinene	136	C10H16	000127-91-3	94
5	.alpha.-Pinene	136	C10H16	000080-56-8	91





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091518\
Data File : VW005388.D
Acq On : 14 Sep 2018 15:39
Operator : SY/AP
Sample : J4865-17
Misc : 5.35G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB3P5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091318S.M
Quant Title : VOC Analysis

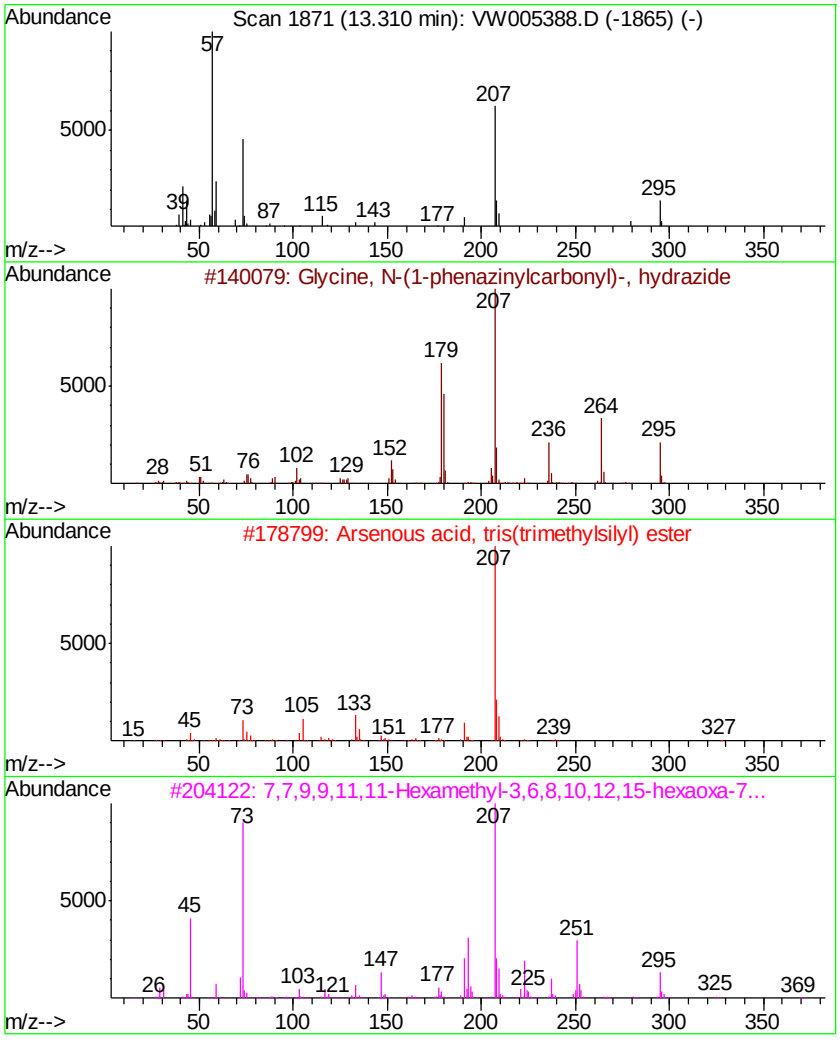
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

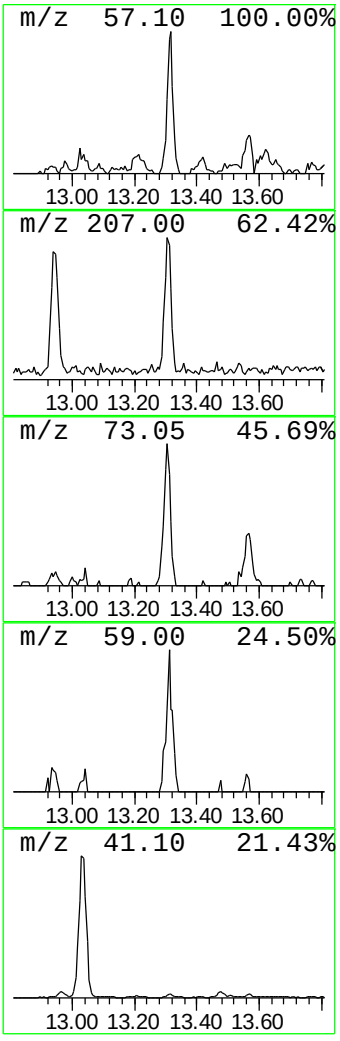
****

Peak Number 8 unknown-01 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.31	1.35 ug/L	25135	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Glycine, N-(1-phenazinylcarbonyl...	295	C15H13N5O2	097706-61-1	38
2	Arsenous acid, tris(trimethylsil...	342	C9H27AsO3Si3	055429-29-3	32
3	7,7,9,9,11,11-Hexamethyl-3,6,8,1...	384	C14H36O6Si3	1000375-89-1	28
4	1,1,1,3,5,5,5-Heptamethyltrisilo...	222	C7H22O2Si3	001873-88-7	28
5	Benzene, 2-[(tert-butyldimethyls...	264	C16H28OSi	330455-64-6	28





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW091518\
Data File : VW005388.D
Acq On : 14 Sep 2018 15:39
Operator : SY/AP
Sample : J4865-17
Misc : 5.35G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB3P5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091318S.M
Quant Title : VOC Analysis

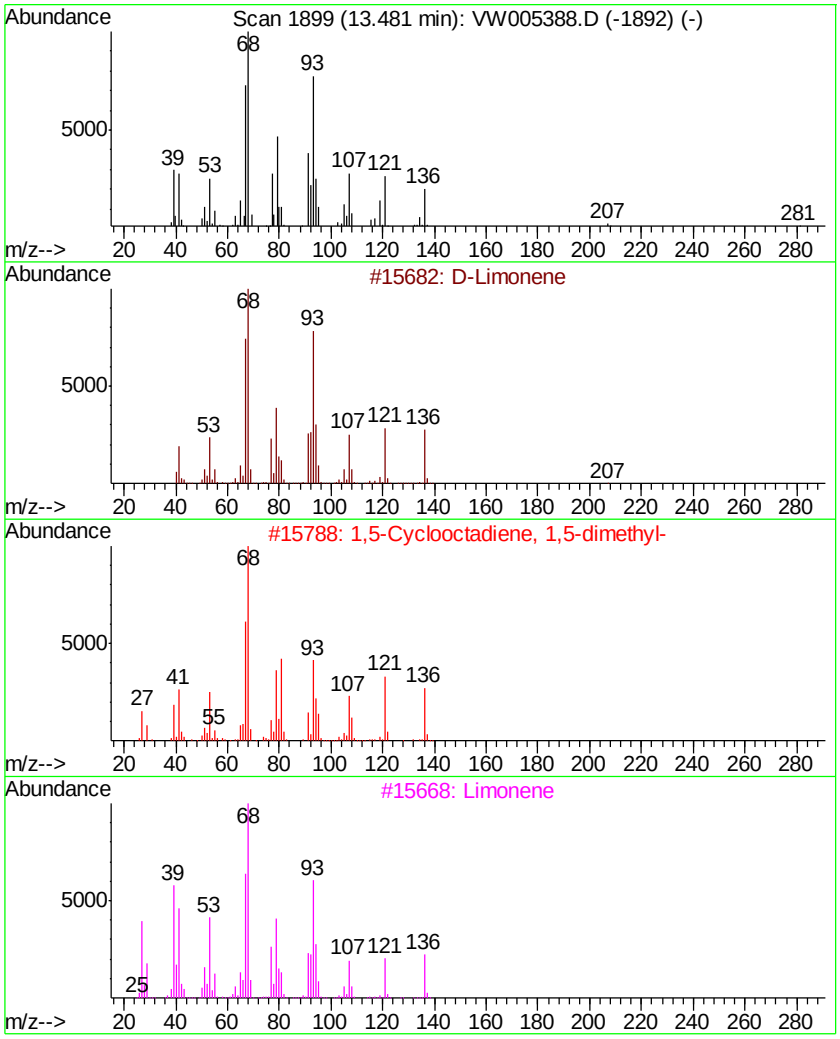
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

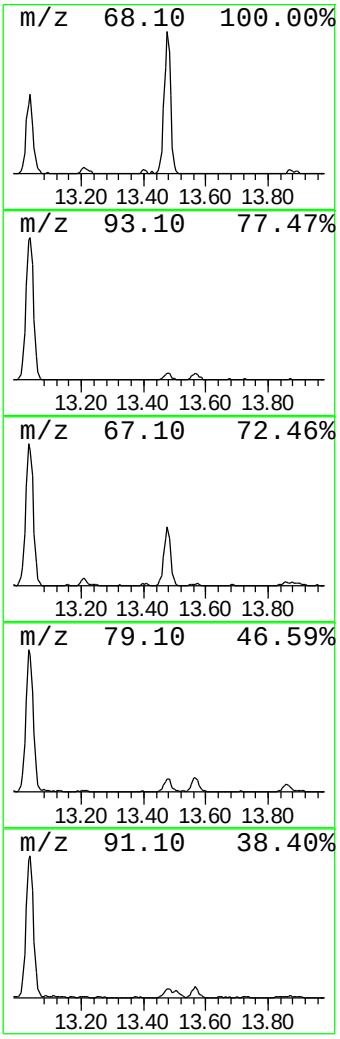
****

Peak Number 9 D-Limonene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	3.36 ug/L	62378	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Limonene	136	C10H16	005989-27-5	97
2	1,5-Cyclooctadiene, 1,5-dimethyl-	136	C10H16	003760-14-3	87
3	Limonene	136	C10H16	000138-86-3	80
4	D-Limonene	136	C10H16	005989-27-5	76
5	1,5-Cyclooctadiene, 1,5-dimethyl-	136	C10H16	003760-14-3	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091518\
Data File : VW005388.D
Acq On : 14 Sep 2018 15:39
Operator : SY/AP
Sample : J4865-17
Misc : 5.35G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB3P5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091318S.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-Trimet...	12.48	87.3	ug/L	2365380	2	11.64	677719	25.0
Bicyclo[3.1.1]hep...	13.04	31.2	ug/L	579109	3	13.57	464662	25.0
unknown-01	13.31	1.4	ug/L	25135	3	13.57	464662	25.0
D-Limonene	13.48	3.4	ug/L	62378	3	13.57	464662	25.0