LSC Area Percent Report

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW052218\
Data File : VW002793.D
Acq On : 22 May 2018 18:57
Operator : JC/SY
Sample : J2952-09
Misc : 4.77G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

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 : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052218S.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	1.746	20	26	28	rBV	7007	11986	0.14%	0.050%
2	1.807	28	36	53	rVB	590801	1406810	15.91%	5.924%
3	2.154	88	93	99	rBV4	3255	8288	0.09%	0.035%
4	2.209	100	102	103	rBV2	1685	1325	0.01%	0.006%
5	2.343	119	124	140	rVB	70120	125466	1.42%	0.528%
6	2.483	145	147	149	rBV	1562	1188	0.01%	0.005%
7	2.630	165	171	172	rBV6	4954	9050	0.10%	0.038%
8	2.880	206	212	227	rVB	42246	118266	1.34%	0.498%
9	3.819	363	366	368	rBV3	863	997	0.01%	0.004%
10	4.008	385	397	411	rBV2	73973	260144	2.94%	1.096%
11	4.184	424	426	430	rVB4	864	1084	0.01%	0.005%
12	4.410	457	463	465	rVV7	1199	2611	0.03%	0.011%
13	4.904	536	544	546	rBV6	2762	5755	0.07%	0.024%
14	5.629	660	663	666	rBV4	557	964	0.01%	0.004%
15	5.715	675	677	680	rBV3	1024	1205	0.01%	0.005%
16	5.922	704	711	718	rBV5	2844	7049	0.08%	0.030%
17	6.275	764	769	771	rBV4	549	817	0.01%	0.003%
18	6.495	800	805	809	rVB3	750	1217	0.01%	0.005%
19	6.885	866	869	871	rBV3	703	778	0.01%	0.003%
20	7.086	893	902	909	rVV	38049	107488	1.22%	0.453%
21	7.159	909	914	924	rVV	16936	45581	0.52%	0.192%
22	7.226	924	925	930	rVB4	1024	1123	0.01%	0.005%
23	7.269	930	932	937	rVB5	859	1181	0.01%	0.005%
24	7.446	957	961	968	rVV4	877	1748	0.02%	0.007%
25	7.519	969	973	976	rVV6	878	1811	0.02%	0.008%
26	7.543	976	977	982	rVV4	1200	1534	0.02%	0.006%
27	7.647	984	994	1006	rVB	141539	341520	3.86%	1.438%
28	7.751	1008	1011	1017	rVB3	447	863	0.01%	0.004%
29	8.159	1074	1078	1080	rVB2	633	846	0.01%	0.004%
30	8.275	1088	1097	1112	rBV2	254928	798043	9.03%	3.361%
31	8.391	1115	1116	1122	rVB4	1098	1743	0.02%	0.007%
32	8.708	1162	1168	1178	rVB5	2307	6687	0.08%	0.028%
33	8.848	1182	1191	1200	rBV	277804	547920	6.20%	2.307%
34	9.043	1219	1223	1228	rVV6	1980	3894	0.04%	0.016%

LSC Area Percent Report

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Sample : J2952-09
Misc : 4.77G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

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 : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052218S.M
Title : VOC Analysis

35	9.086	1228	1230	1236	rVB6	1908	3032	0.03%	0.013%
36	9.281	1252	1262	1274	rBV	190156	383913	4.34%	1.617%
37	9.385	1277	1279	1282	rVV3	1035	786	0.01%	0.003%
38	9.897	1359	1363	1366	rBV5	1267	2210	0.02%	0.009%
39	9.988	1374	1378	1379	rBV3	836	842	0.01%	0.004%
40	10.043	1379	1387	1395	rVV	93035	170232	1.93%	0.717%
41	10.250	1419	1421	1425	rVB3	943	1113	0.01%	0.005%
42	10.330	1425	1434	1442	rBV	368875	630496	7.13%	2.655%
43	10.397	1442	1445	1449	rVV4	2854	4845	0.05%	0.020%
44	10.433	1449	1451	1456	rVB4	1327	1482	0.02%	0.006%
45	10.500	1458	1462	1468	rBV6	813	1589	0.02%	0.007%
46	10.586	1468	1476	1484	rBV	69107	120652	1.36%	0.508%
47	10.708	1492	1496	1504	rBV3	2633	5397	0.06%	0.023%
48	10.799	1504	1511	1512	rBV6	1480	2824	0.03%	0.012%
49	10.829	1512	1516	1517	rVV3	1578	2205	0.02%	0.009%
50	10.866	1518	1522	1527	rVB4	4762	7710	0.09%	0.032%
51	10.933	1527	1533	1542	rBV	157082	258142	2.92%	1.087%
52	11.073	1553	1556	1563	rVB7	3241	6575	0.07%	0.028%
53	11.189	1568	1575	1578	rBV7	1675	3255	0.04%	0.014%
54	11.287	1587	1591	1592	rBV4	1982	2874	0.03%	0.012%
55	11.506	1625	1627	1629	rBV3	877	996	0.01%	0.004%
56	11.543	1631	1633	1635	rBV3	1393	1603	0.02%	0.007%
57	11.640	1642	1649	1656	rBV	361371	610928	6.91%	2.573%
58	12.116	1722	1727	1734	rBV6	4187	8052	0.09%	0.034%
59	12.171	1734	1736	1738	rBV2	1033	1246	0.01%	0.005%
60	12.274	1751	1753	1759	rVB4	777	1068	0.01%	0.004%
61	12.378	1760	1770	1776	rVB2	25096	45264	0.51%	0.191%
62	12.482	1778	1787	1799	rBV	5526447	8841951	100.00%	37.236%
63	12.732	1815	1828	1836	rBV2	426001	1088593	12.31%	4.584%
64	12.835	1843	1845	1850	rVB4	978	1089	0.01%	0.005%
65	12.969	1859	1867	1870	rBV3	10298	20249	0.23%	0.085%
66	13.036	1870	1878	1890	rVV	3480444	5440131	61.53%	22.910%
67	13.201	1903	1905	1908	rBV4	1477	2005	0.02%	0.008%
68	13.256	1909	1914	1920	rVB2	13822	21895	0.25%	0.092%
69	13.372	1928	1933	1938	rBV2	30655	47179	0.53%	0.199%
70	13.420	1938	1941	1944	rVV5	1567	1717	0.02%	0.007%
71	13.481	1944	1951	1959	rVV2	411685	661181	7.48%	2.784%

LSC Area Percent Report

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Operator : JC/SY
Sample : J2952-09
Misc : 4.77G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

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 : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052218S.M
Title : VOC Analysis

72	13.567	1959	1965	1978	rVB	399941	638688	7.22%	2.690%
73	13.725	1986	1991	1996	rBV	27864	43367	0.49%	0.183%
74	13.866	2006	2014	2021	rBV	306034	503638	5.70%	2.121%
75	13.957	2027	2029	2032	rBV3	816	948	0.01%	0.004%
76	14.012	2032	2038	2044	rBV	71391	111009	1.26%	0.467%
77	14.164	2059	2063	2068	rVB6	3988	5901	0.07%	0.025%
78	14.335	2086	2091	2095	rVB7	2034	3386	0.04%	0.014%
79	14.451	2105	2110	2116	rVB2	16461	25914	0.29%	0.109%
80	14.603	2131	2135	2139	rBV6	1738	2539	0.03%	0.011%
81	14.646	2139	2142	2145	rVB4	798	930	0.01%	0.004%
82	14.707	2145	2152	2155	rBV4	5117	7850	0.09%	0.033%
83	14.798	2165	2167	2172	rVB5	1211	1065	0.01%	0.004%
84	14.890	2180	2182	2184	rVB2	1261	875	0.01%	0.004%
85	15.042	2203	2207	2208	rVV3	2796	2847	0.03%	0.012%
86	15.085	2209	2214	2218	rVV4	13412	25341	0.29%	0.107%
87	15.170	2221	2228	2236	rVV3	34282	71950	0.81%	0.303%
88	15.274	2240	2245	2246	rVV3	7396	11261	0.13%	0.047%
89	15.304	2247	2250	2258	rVB3	14496	23652	0.27%	0.100%
90	15.457	2269	2275	2281	rVB2	12916	20272	0.23%	0.085%
91	15.646	2303	2306	2308	rVV3	708	895	0.01%	0.004%
92	15.670	2308	2310	2314	rVV4	608	921	0.01%	0.004%
93	15.707	2314	2316	2325	rVV6	959	1828	0.02%	0.008%
94	15.786	2325	2329	2330	rVV3	888	802	0.01%	0.003%
95	15.829	2332	2336	2339	rVV6	1644	2288	0.03%	0.010%
96	15.871	2341	2343	2346	rBV3	1122	1258	0.01%	0.005%
97	15.981	2359	2361	2363	rBV3	809	965	0.01%	0.004%
98	16.097	2377	2380	2381	rBV3	1137	873	0.01%	0.004%
99	16.475	2439	2442	2445	rBV3	604	955	0.01%	0.004%
100	16.706	2478	2480	2483	rBV3	933	1120	0.01%	0.005%

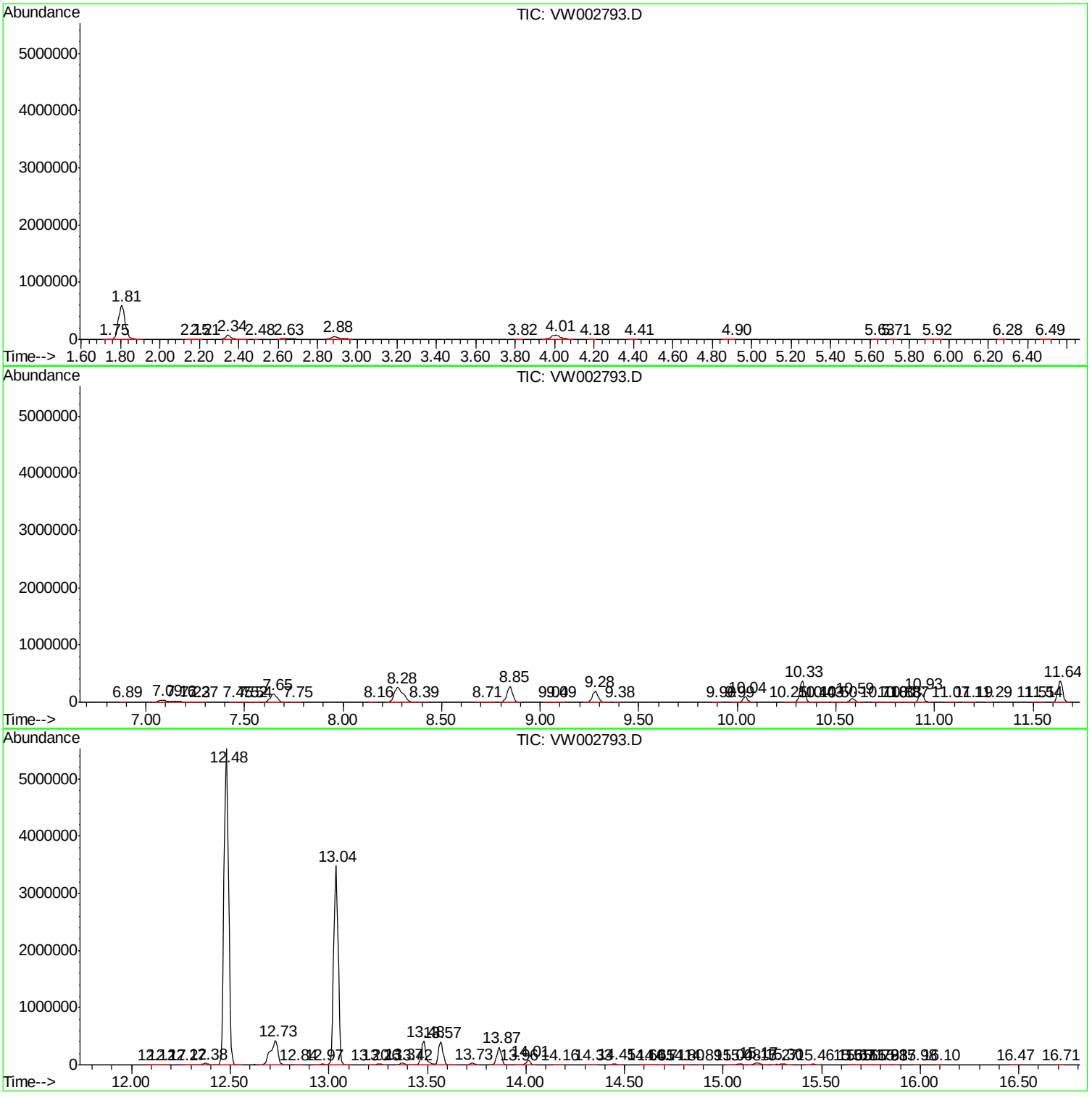
Sum of corrected areas: 23745641

LSC Report - Integrated Chromatogram

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW052218\
Data File : VW002793.D
Acq On : 22 May 2018 18:57
Operator : JC/SY
Sample : J2952-09
Misc : 4.77G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052218S.M
Quant Title : VOC Analysis

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



Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW052218\
Data File : VW002793.D
Acq On : 22 May 2018 18:57
Operator : JC/SY
Sample : J2952-09
Misc : 4.77G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052218S.M
Quant Title : VOC Analysis

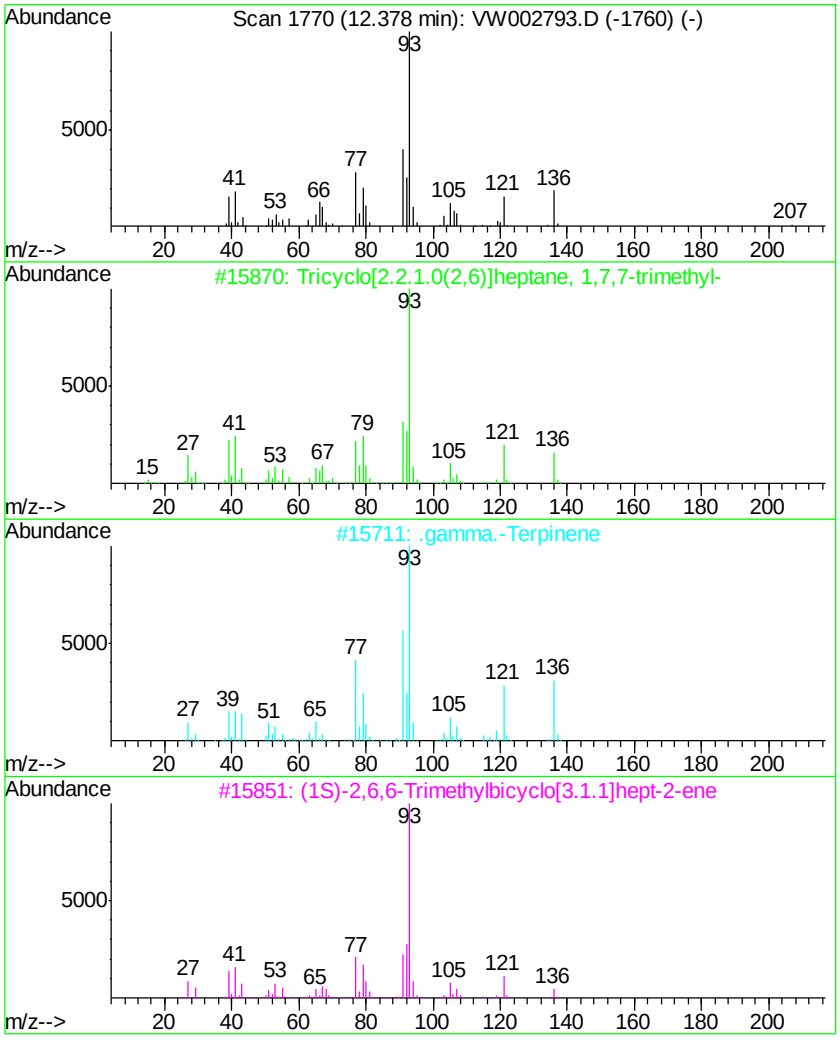
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

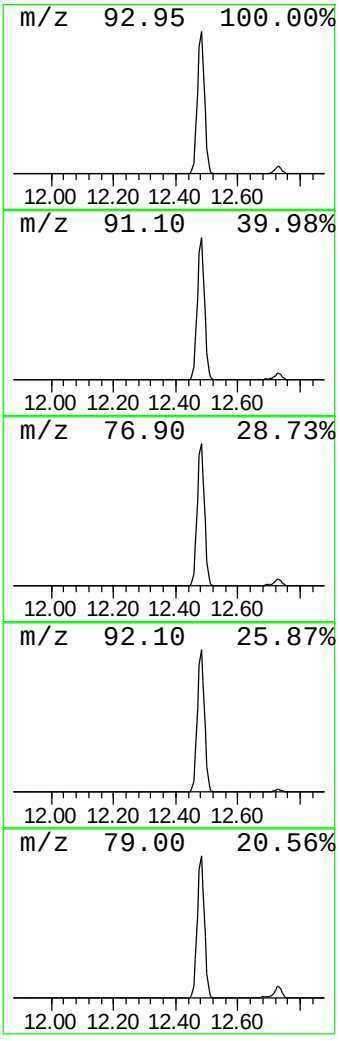
****

Peak Number 4 Tricyclo[2.2.1.0(2,6)]hepta... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	1.85 ug/L	45264	Chlorobenzene-d5	11.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	93
2	.gamma.-Terpinene	136	C10H16	000099-85-4	93
3	(1S)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-26-4	90
4	3-Carene	136	C10H16	013466-78-9	87
5	.gamma.-Terpinene	136	C10H16	000099-85-4	87





Library Search Compound Report

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW052218\
Data File : VW002793.D
Acq On : 22 May 2018 18:57
Operator : JC/SY
Sample : J2952-09
Misc : 4.77G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052218S.M
Quant Title : VOC Analysis

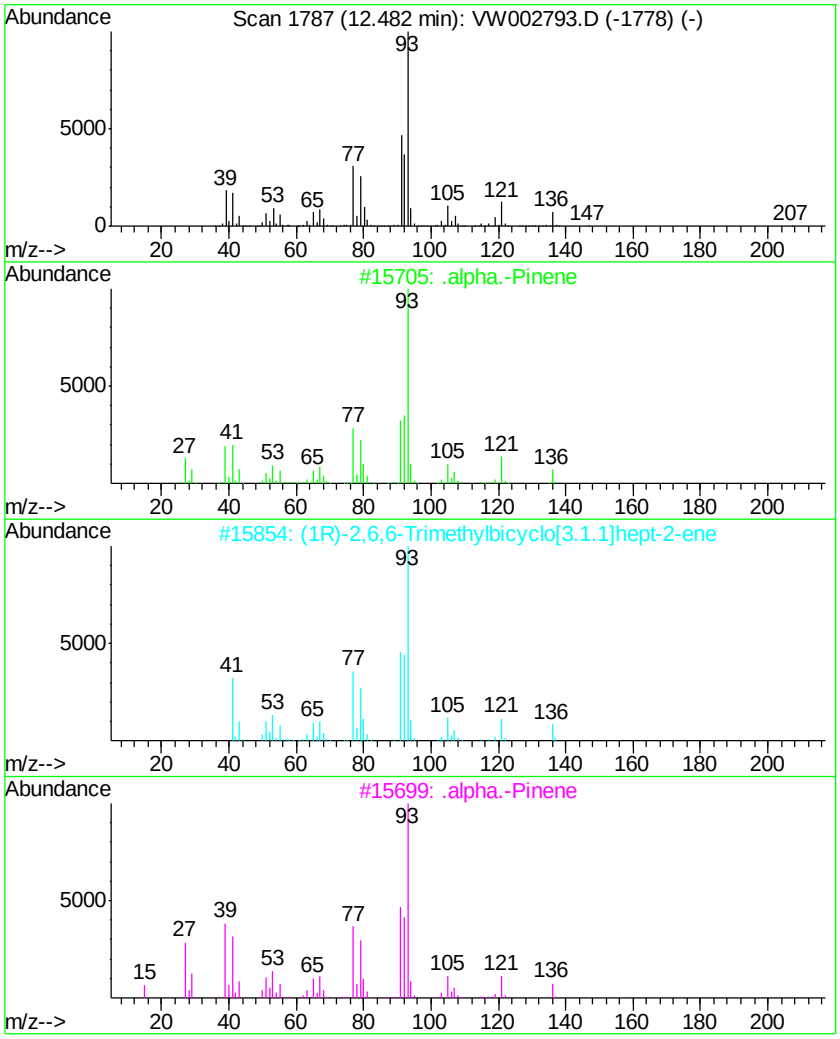
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

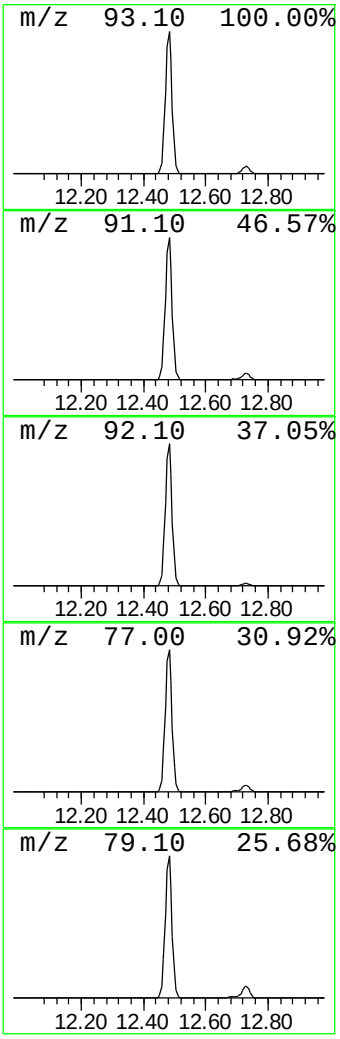
****

Peak Number 5 .alpha.-Pinene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	361.83 ug/L	8841950	Chlorobenzene-d5	11.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene	136	C10H16	000080-56-8	97
2	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	96
3	.alpha.-Pinene	136	C10H16	000080-56-8	95
4	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	94
5	.gamma.-Terpinene	136	C10H16	000099-85-4	94





Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW052218\
Data File : VW002793.D
Acq On : 22 May 2018 18:57
Operator : JC/SY
Sample : J2952-09
Misc : 4.77G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052218S.M
Quant Title : VOC Analysis

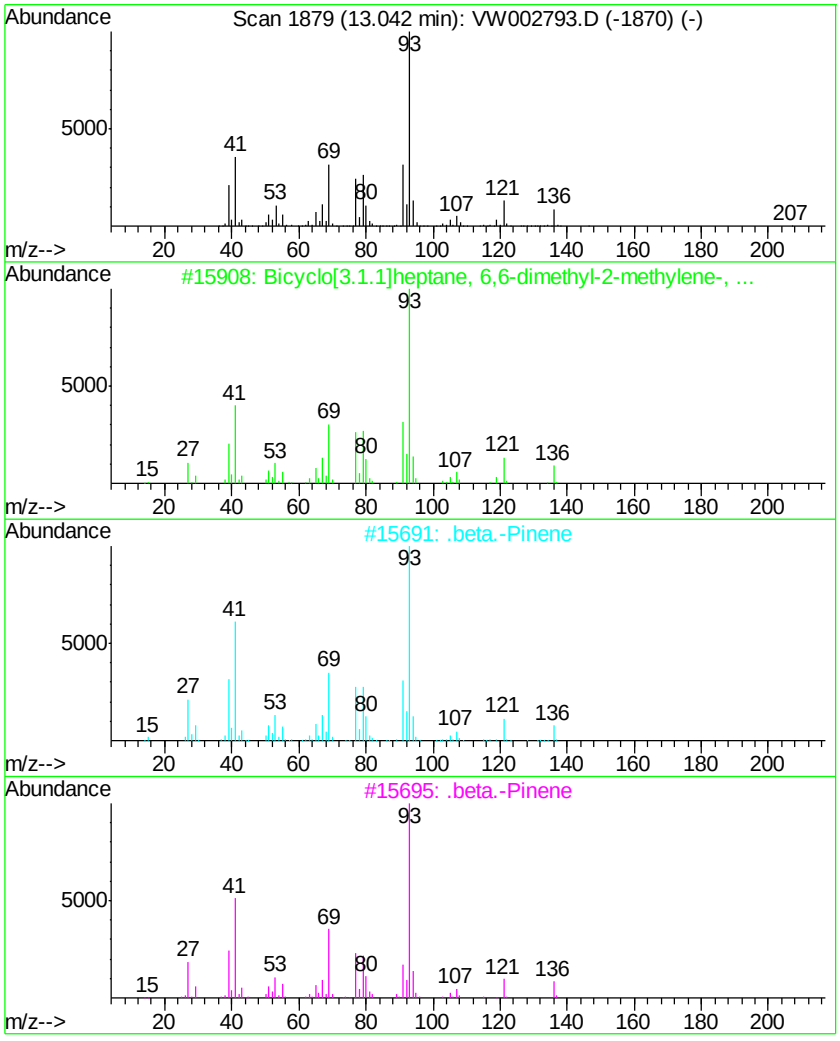
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

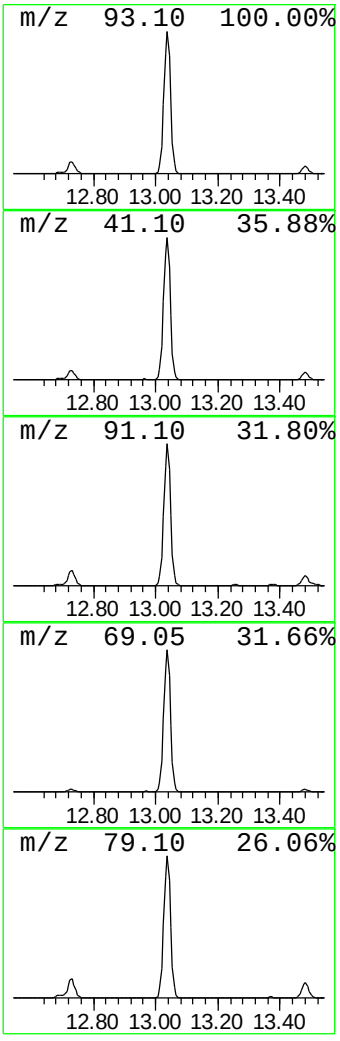
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	212.94 ug/L	5440130	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	.beta.-Pinene	136	C10H16	000127-91-3	94
4	.alpha.-Pinene	136	C10H16	000080-56-8	91
5	Cyclohexene, 4-methylene-1-(1-me...	136	C10H16	000099-84-3	91





Library Search Compound Report

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW052218\
Data File : VW002793.D
Acq On : 22 May 2018 18:57
Operator : JC/SY
Sample : J2952-09
Misc : 4.77G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052218S.M
Quant Title : VOC Analysis

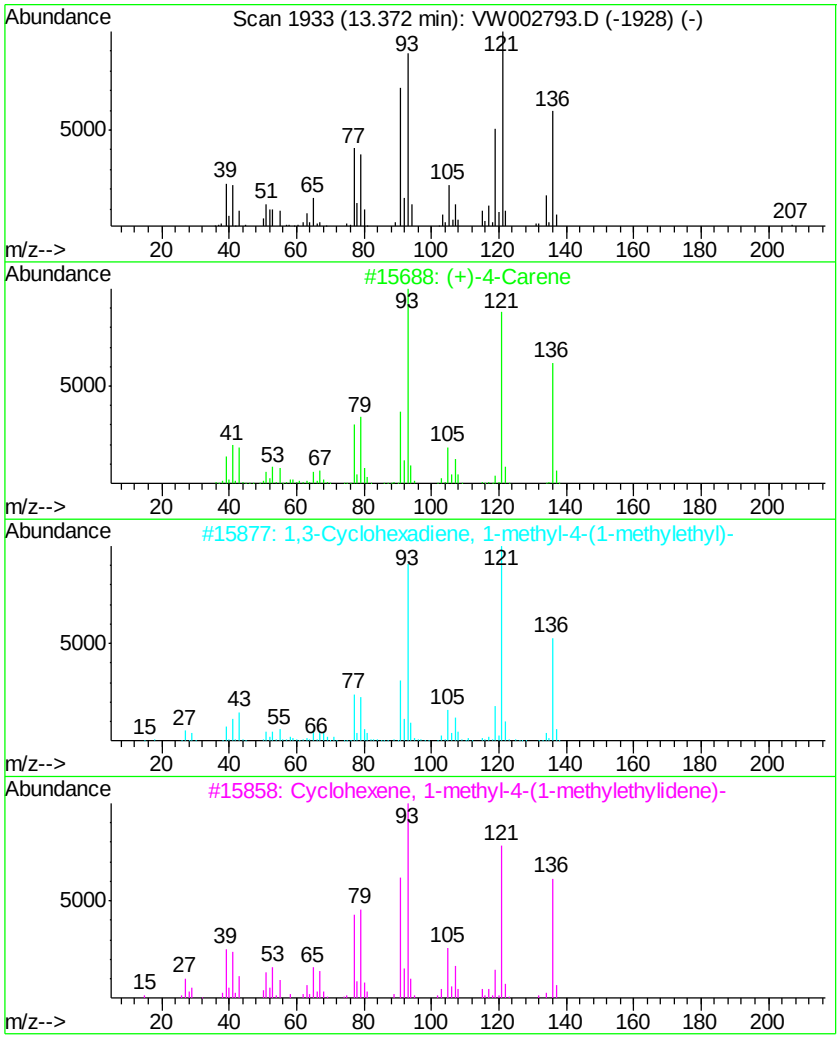
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

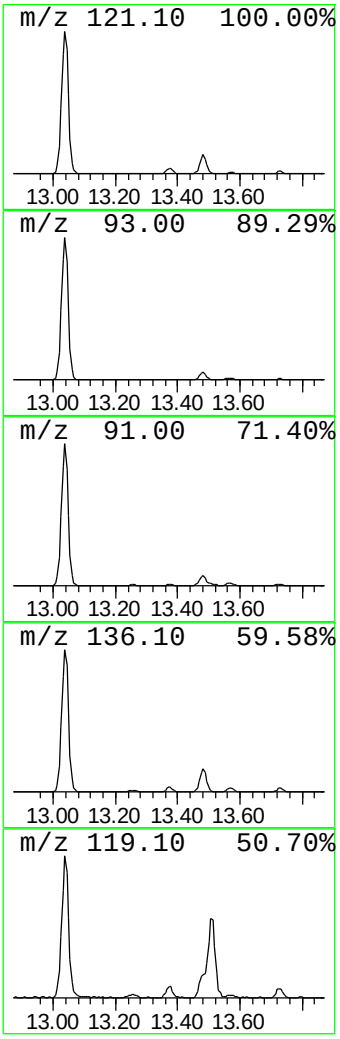
****

Peak Number 7 (+)-4-Carene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	1.85 ug/L	47179	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(+)-4-Carene	136	C10H16	029050-33-7	96
2	1,3-Cyclohexadiene, 1-methyl-4-(...	136	C10H16	000099-86-5	95
3	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	000586-62-9	93
4	2-Carene	136	C10H16	000554-61-0	93
5	1,3-Cyclohexadiene, 1-methyl-4-(...	136	C10H16	000099-86-5	90





Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW052218\
Data File : VW002793.D
Acq On : 22 May 2018 18:57
Operator : JC/SY
Sample : J2952-09
Misc : 4.77G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052218S.M
Quant Title : VOC Analysis

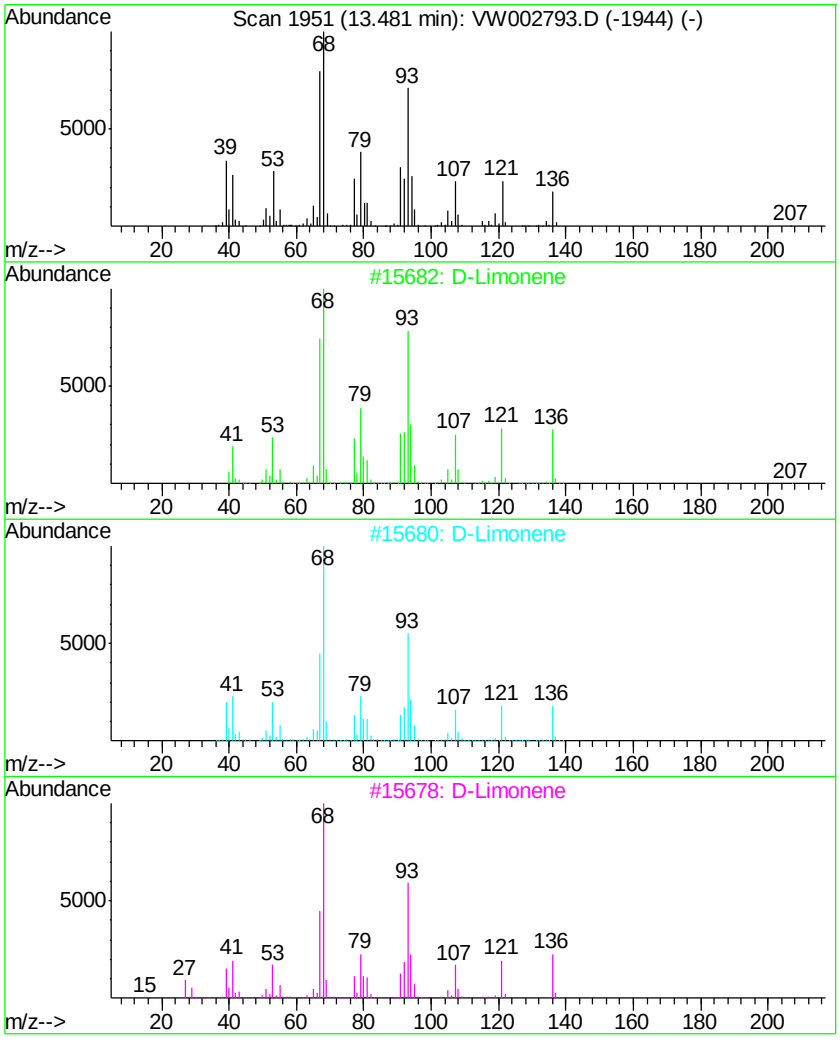
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

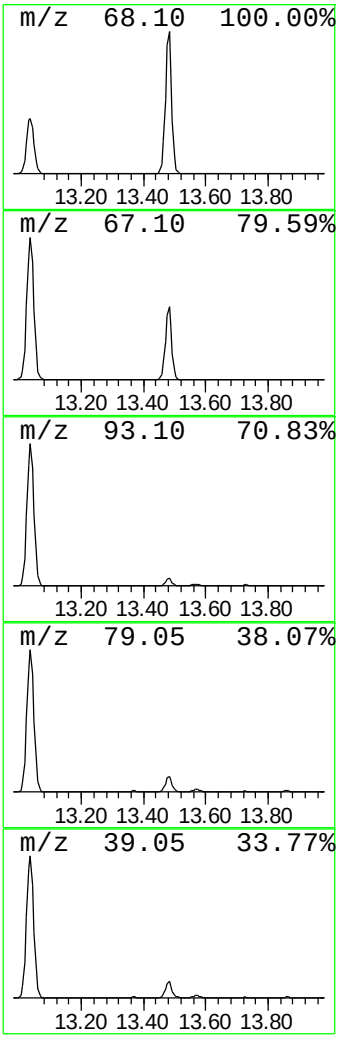
****

Peak Number 8 D-Limonene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	25.88 ug/L	661181	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	95
3	D-Limonene	136	C10H16	005989-27-5	93
4	Limonene	136	C10H16	000138-86-3	87
5	D-Limonene	136	C10H16	005989-27-5	76





Library Search Compound Report

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW052218\
Data File : VW002793.D
Acq On : 22 May 2018 18:57
Operator : JC/SY
Sample : J2952-09
Misc : 4.77G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052218S.M
Quant Title : VOC Analysis

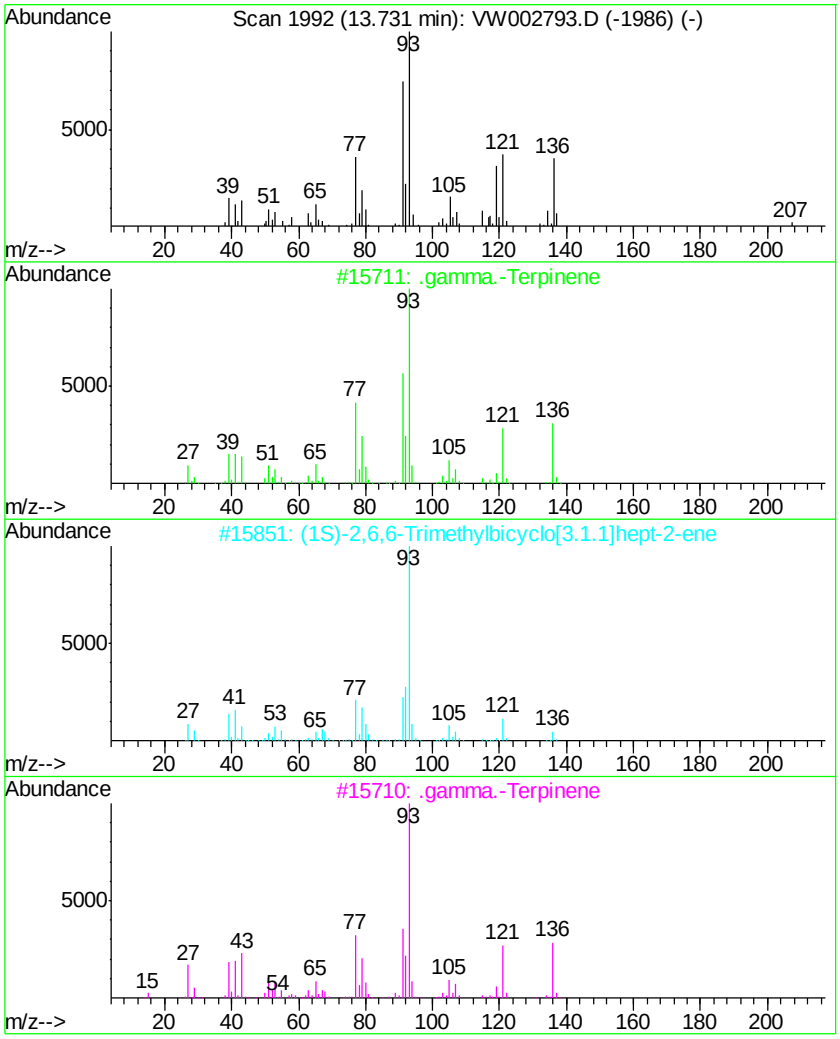
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

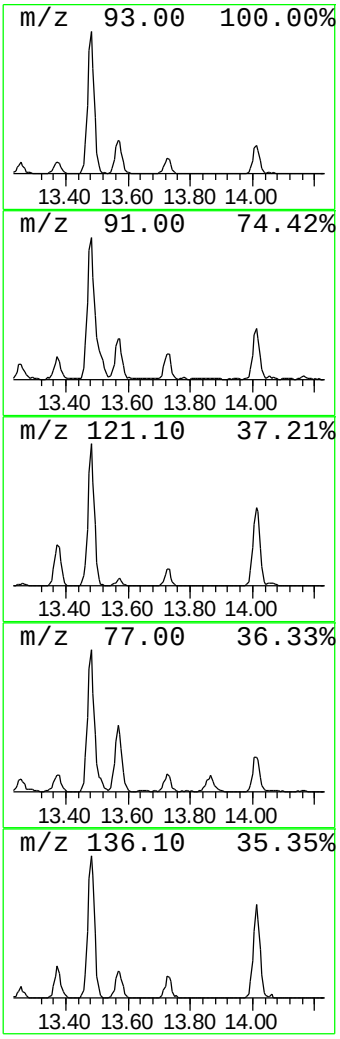
****

Peak Number 9 .gamma.-Terpinene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	1.70 ug/L	43367	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Terpinene	136	C10H16	000099-85-4	94
2	(1S)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-26-4	93
3	.gamma.-Terpinene	136	C10H16	000099-85-4	87
4	.gamma.-Terpinene	136	C10H16	000099-85-4	87
5	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	81





Library Search Compound Report

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW052218\
Data File : VW002793.D
Acq On : 22 May 2018 18:57
Operator : JC/SY
Sample : J2952-09
Misc : 4.77G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052218S.M
Quant Title : VOC Analysis

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

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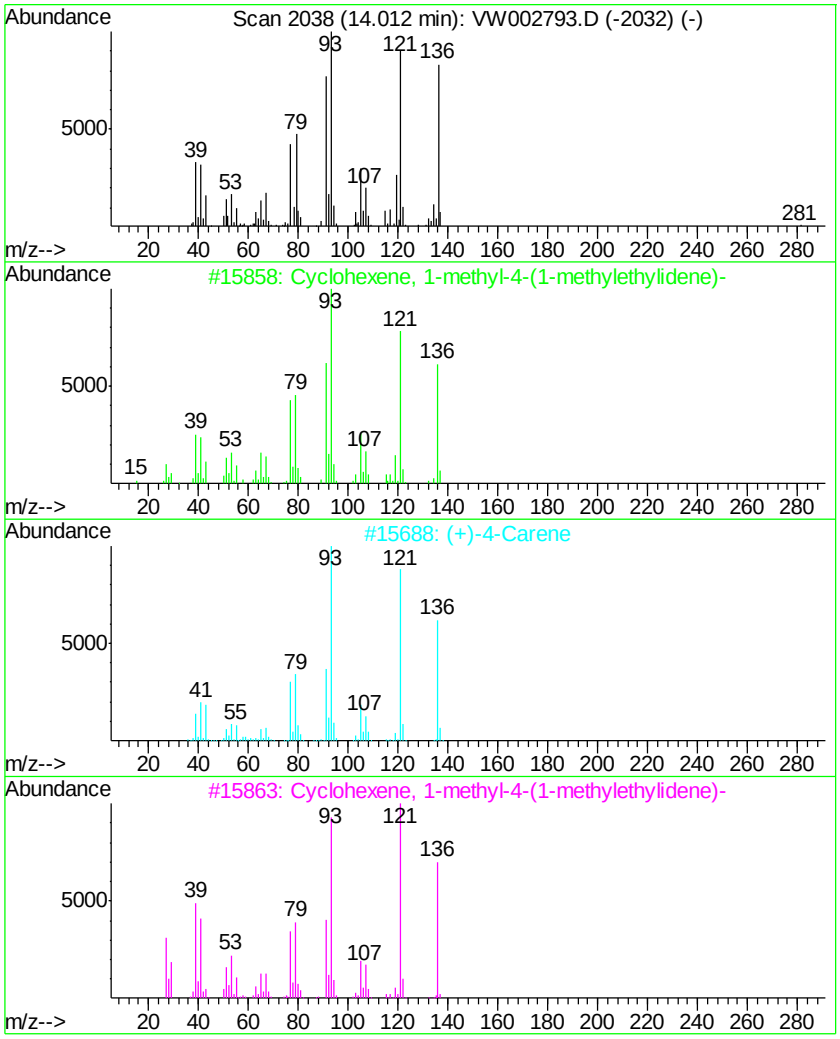
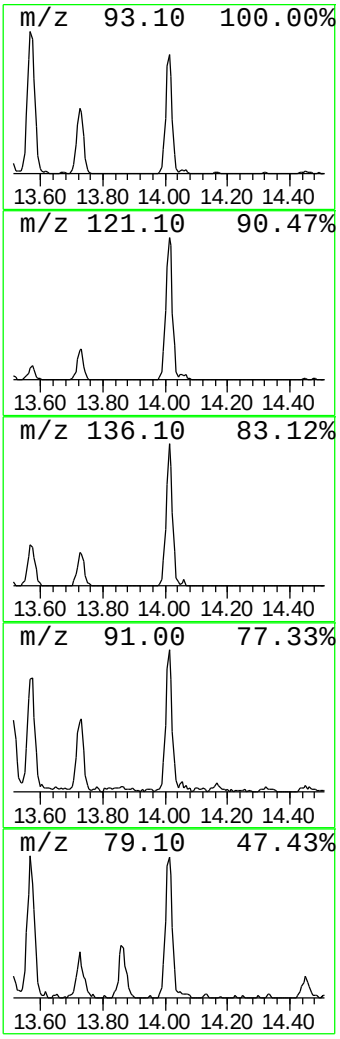
Peak Number 10 Cyclohexene, 1-methyl-4-(1-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	4.35 ug/L	111009	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	000586-62-9	98
2	(+)-4-Carene	136	C10H16	029050-33-7	95
3	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	000586-62-9	93
4	2-Carene	136	C10H16	000554-61-0	93
5	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	000586-62-9	93





Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW052218\
Data File : VW002793.D
Acq On : 22 May 2018 18:57
Operator : JC/SY
Sample : J2952-09
Misc : 4.77G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052218S.M
Quant Title : VOC Analysis

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

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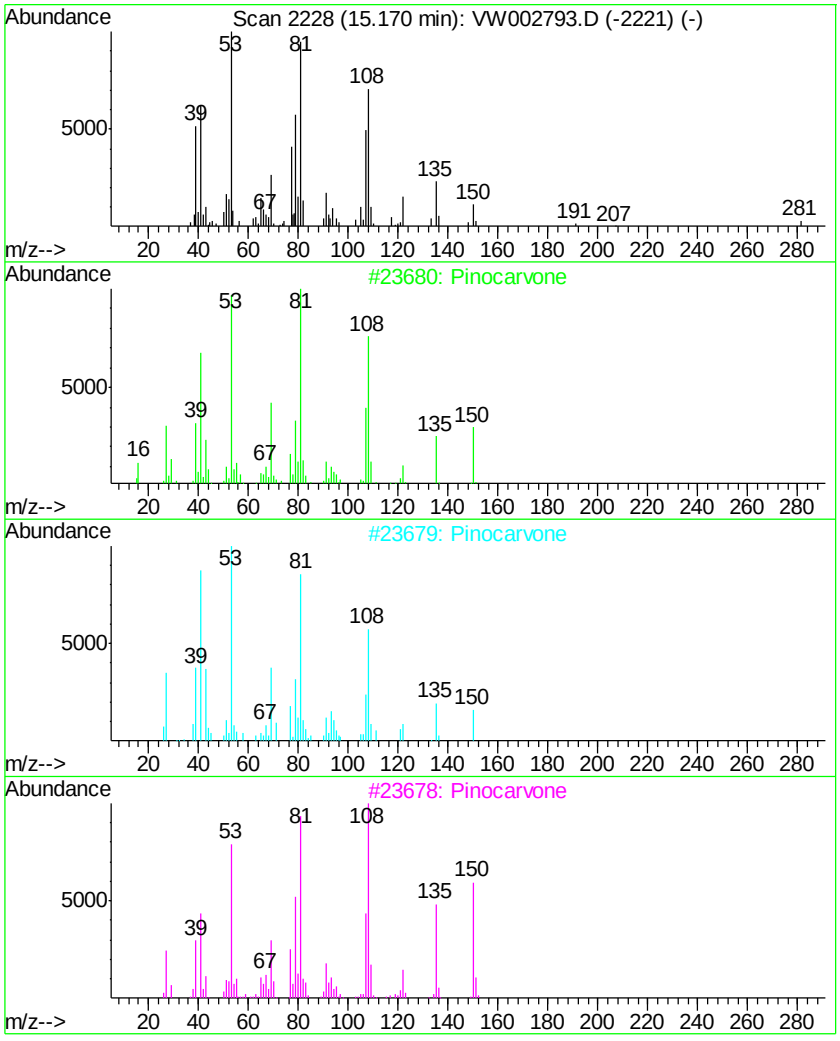
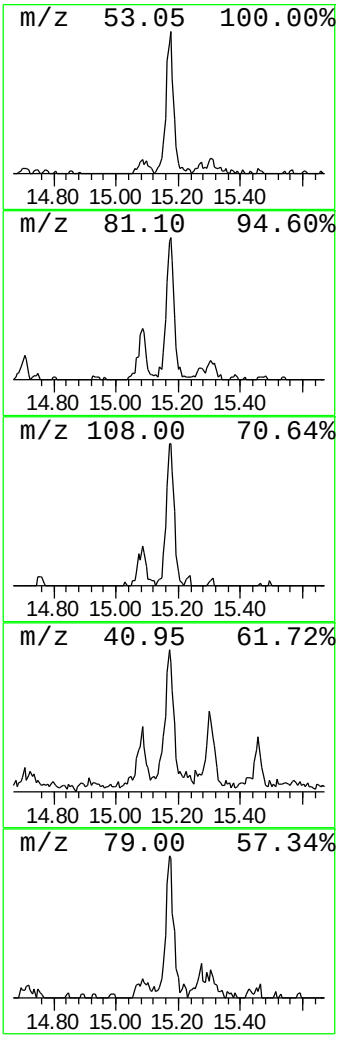
Peak Number 11 Pinocarvone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	2.82 ug/L	71950	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pinocarvone	150	C10H14O	030460-92-5	83
2	Pinocarvone	150	C10H14O	030460-92-5	72
3	Pinocarvone	150	C10H14O	030460-92-5	50
4	1,1-Dicyanoethane	80	C4H4N2	003696-36-4	47
5	Benzyl alcohol	108	C7H8O	000100-51-6	25





Tentatively Identified Compound (LSC) summary

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW052218\
Data File : VW002793.D
Acq On : 22 May 2018 18:57
Operator : JC/SY
Sample : J2952-09
Misc : 4.77G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052218S.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
Tricyclo[2.2.1.0(...	12.38	1.9	ug/L	45264	2	11.64	610928	25.0
.alpha.-Pinene	12.48	361.8	ug/L	8841950	2	11.64	610928	25.0
Bicyclo[3.1.1]hep...	13.04	212.9	ug/L	5440130	3	13.57	638688	25.0
(+)-4-Carene	13.37	1.9	ug/L	47179	3	13.57	638688	25.0
D-Limonene	13.48	25.9	ug/L	661181	3	13.57	638688	25.0
.gamma.-Terpinene	13.73	1.7	ug/L	43367	3	13.57	638688	25.0
Cyclohexene, 1-me...	14.01	4.3	ug/L	111009	3	13.57	638688	25.0
Pinocarvone	15.17	2.8	ug/L	71950	3	13.57	638688	25.0