LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100220\
Data File : VW016754.D
Acq On : 02 Oct 2020 11:30
Operator : SY/VA
Sample : L4201-14
Misc : 4.06G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AQ6

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\SOM2WLM091520S.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	2.367	69	76	89	rVB	77025	163889	5.87%	1.091%
2	2.903	156	164	182	rBV	61498	180011	6.45%	1.199%
3	3.312	230	231	235	rBV2	498	439	0.02%	0.003%
4	3.397	241	245	251	rVB6	1575	3522	0.13%	0.023%
5	3.507	261	263	267	rVB2	396	579	0.02%	0.004%
6	3.580	273	275	276	rBV2	587	459	0.02%	0.003%
7	3.617	279	281	284	rVV3	591	692	0.02%	0.005%
8	3.647	284	286	288	rVV	493	452	0.02%	0.003%
9	4.031	337	349	367	rBV	152951	510105	18.28%	3.397%
10	4.269	386	388	392	rVB2	490	480	0.02%	0.003%
11	4.610	441	444	448	rBV3	464	777	0.03%	0.005%
12	4.934	485	497	512	rBV7	3793	14917	0.53%	0.099%
13	5.580	600	603	606	rBV	309	472	0.02%	0.003%
14	5.958	658	665	672	rVV6	1813	5034	0.18%	0.034%
15	6.293	712	720	721	rBV3	935	1423	0.05%	0.009%
16	6.311	721	723	729	rVB2	1035	1266	0.05%	0.008%
17	6.421	735	741	745	rBV2	310	567	0.02%	0.004%
18	6.726	789	791	794	rVB2	354	431	0.02%	0.003%
19	6.750	794	795	799	rBV	331	423	0.02%	0.003%
20	7.086	842	850	856	rBV	32975	91031	3.26%	0.606%
21	7.451	908	910	912	rBV2	410	490	0.02%	0.003%
22	7.543	922	925	926	rBV2	549	536	0.02%	0.004%
23	7.653	933	943	957	rBV	285090	703005	25.19%	4.681%
24	7.872	975	979	980	rVV2	487	521	0.02%	0.003%
25	7.896	982	983	987	rVV	594	562	0.02%	0.004%
26	7.957	987	993	1001	rVB3	2323	4572	0.16%	0.030%
27	8.280	1034	1046	1062	rBV2	547813	1563987	56.05%	10.414%
28	8.476	1073	1078	1081	rBV2	432	552	0.02%	0.004%
29	8.616	1099	1101	1104	rBV2	528	627	0.02%	0.004%
30	8.695	1109	1114	1116	rBV3	947	1382	0.05%	0.009%
31	8.744	1120	1122	1129	rVB4	304	517	0.02%	0.003%
32	8.847	1129	1139	1151	rBV	667107	1313953	47.09%	8.749%
33	9.091	1173	1179	1182	rVB6	1396	2726	0.10%	0.018%
34	9.280	1201	1210	1219	rBV	349735	712146	25.52%	4.742%

LSC Area Percent Report

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Misc : 4.06G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AQ6

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\SOM2WLM091520S.M
Title : VOC Analysis

35	9.463	1235	1240	1243	rBV4	596	944	0.03%	0.006%
36	9.670	1268	1274	1278	rBV3	2253	3976	0.14%	0.026%
37	9.762	1282	1289	1297	rBV3	3901	7430	0.27%	0.049%
38	9.896	1303	1311	1318	rBV4	9819	19993	0.72%	0.133%
39	10.036	1326	1334	1344	rBV	165974	305087	10.93%	2.031%
40	10.128	1346	1349	1360	rVB5	2394	4913	0.18%	0.033%
41	10.250	1362	1369	1374	rBV	5376	9664	0.35%	0.064%
42	10.329	1374	1382	1395	rBV	756307	1335697	47.87%	8.894%
43	10.530	1405	1415	1417	rBV7	4037	9382	0.34%	0.062%
44	10.579	1417	1423	1438	rVV	100761	183911	6.59%	1.225%
45	10.707	1438	1444	1450	rVB	6225	11162	0.40%	0.074%
46	10.774	1450	1455	1461	rVB3	4388	7962	0.29%	0.053%
47	10.859	1466	1469	1474	rVB4	1024	1738	0.06%	0.012%
48	10.926	1474	1480	1495	rBV	135045	248603	8.91%	1.655%
49	11.024	1495	1496	1497	rVV	976	668	0.02%	0.004%
50	11.073	1501	1504	1511	rVB6	2126	4271	0.15%	0.028%
51	11.286	1536	1539	1543	rVB2	405	590	0.02%	0.004%
52	11.347	1545	1549	1553	rVB5	773	942	0.03%	0.006%
53	11.548	1578	1582	1586	rBV4	713	930	0.03%	0.006%
54	11.634	1586	1596	1604	rBV	846832	1407328	50.43%	9.371%
55	11.847	1626	1631	1632	rVV3	1362	2079	0.07%	0.014%
56	11.877	1632	1636	1643	rVB3	3758	5984	0.21%	0.040%
57	11.938	1643	1646	1647	rBV2	402	457	0.02%	0.003%
58	12.072	1665	1668	1673	rBV6	1303	1968	0.07%	0.013%
59	12.176	1681	1685	1687	rBV4	589	878	0.03%	0.006%
60	12.237	1692	1695	1700	rBV4	811	1165	0.04%	0.008%
61	12.371	1706	1717	1724	rBV	33599	68414	2.45%	0.456%
62	12.475	1726	1734	1744	rVB	274324	457841	16.41%	3.049%
63	12.603	1747	1755	1761	rBV2	11045	25790	0.92%	0.172%
64	12.719	1763	1774	1792	rVB2	1457483	2790433	100.00%	18.580%
65	12.835	1792	1793	1797	rBV2	409	438	0.02%	0.003%
66	12.871	1797	1799	1800	rBV	595	486	0.02%	0.003%
67	12.938	1804	1810	1818	rBV3	30701	71463	2.56%	0.476%
68	13.030	1819	1825	1833	rVB2	43766	82635	2.96%	0.550%
69	13.115	1835	1839	1840	rBV4	1042	1495	0.05%	0.010%
70	13.194	1844	1852	1858	rVB	15336	26549	0.95%	0.177%
71	13.249	1858	1861	1863	rBV3	1430	1380	0.05%	0.009%

LSC Area Percent Report

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Operator : SY/VA
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Misc : 4.06G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AQ6

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\SOM2WLM091520S.M
Title : VOC Analysis

72	13.304	1864	1870	1875	rVB2	8518	14325	0.51%	0.095%
73	13.383	1875	1883	1892	rBV	256498	435503	15.61%	2.900%
74	13.469	1892	1897	1903	rBV	126075	204653	7.33%	1.363%
75	13.560	1903	1912	1918	rBV	645958	1040708	37.30%	6.930%
76	13.719	1933	1938	1941	rBV2	13449	18721	0.67%	0.125%
77	13.767	1942	1946	1953	rVB2	10008	16949	0.61%	0.113%
78	13.853	1953	1960	1971	rBV	462219	786477	28.18%	5.237%
79	13.999	1979	1984	1989	rBV2	12712	18312	0.66%	0.122%
80	14.066	1992	1995	2008	rVB2	9693	19331	0.69%	0.129%
81	14.206	2015	2018	2022	rVB4	794	921	0.03%	0.006%
82	14.267	2022	2028	2031	rBV5	2045	3405	0.12%	0.023%
83	14.328	2032	2038	2045	rVB7	3195	6464	0.23%	0.043%
84	14.426	2052	2054	2059	rVB3	942	1204	0.04%	0.008%
85	14.462	2059	2060	2062	rBV	565	490	0.02%	0.003%
86	14.505	2062	2067	2068	rBV4	1241	1877	0.07%	0.012%
87	14.633	2083	2088	2091	rBV5	876	1503	0.05%	0.010%
88	14.724	2095	2103	2109	rBV4	4160	6570	0.24%	0.044%
89	14.834	2118	2121	2122	rBV2	461	514	0.02%	0.003%
90	14.883	2126	2129	2130	rBV2	998	790	0.03%	0.005%
91	14.950	2137	2140	2144	rVB2	1012	1219	0.04%	0.008%
92	15.072	2152	2160	2168	rBV5	11014	23517	0.84%	0.157%
93	15.407	2212	2215	2217	rBV3	939	1186	0.04%	0.008%
94	15.444	2217	2221	2224	rVV4	1735	2572	0.09%	0.017%
95	15.499	2225	2230	2235	rVV6	5023	11104	0.40%	0.074%
96	15.554	2236	2239	2244	rVB6	3638	6263	0.22%	0.042%
97	15.688	2257	2261	2262	rBV4	993	996	0.04%	0.007%
98	15.767	2271	2274	2275	rBV	1085	856	0.03%	0.006%
99	16.047	2315	2320	2324	rVB6	2041	4035	0.14%	0.027%
100	16.748	2434	2435	2436	rBV	885	482	0.02%	0.003%

Sum of corrected areas: 15018138

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100220\
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Acq On : 02 Oct 2020 11:30
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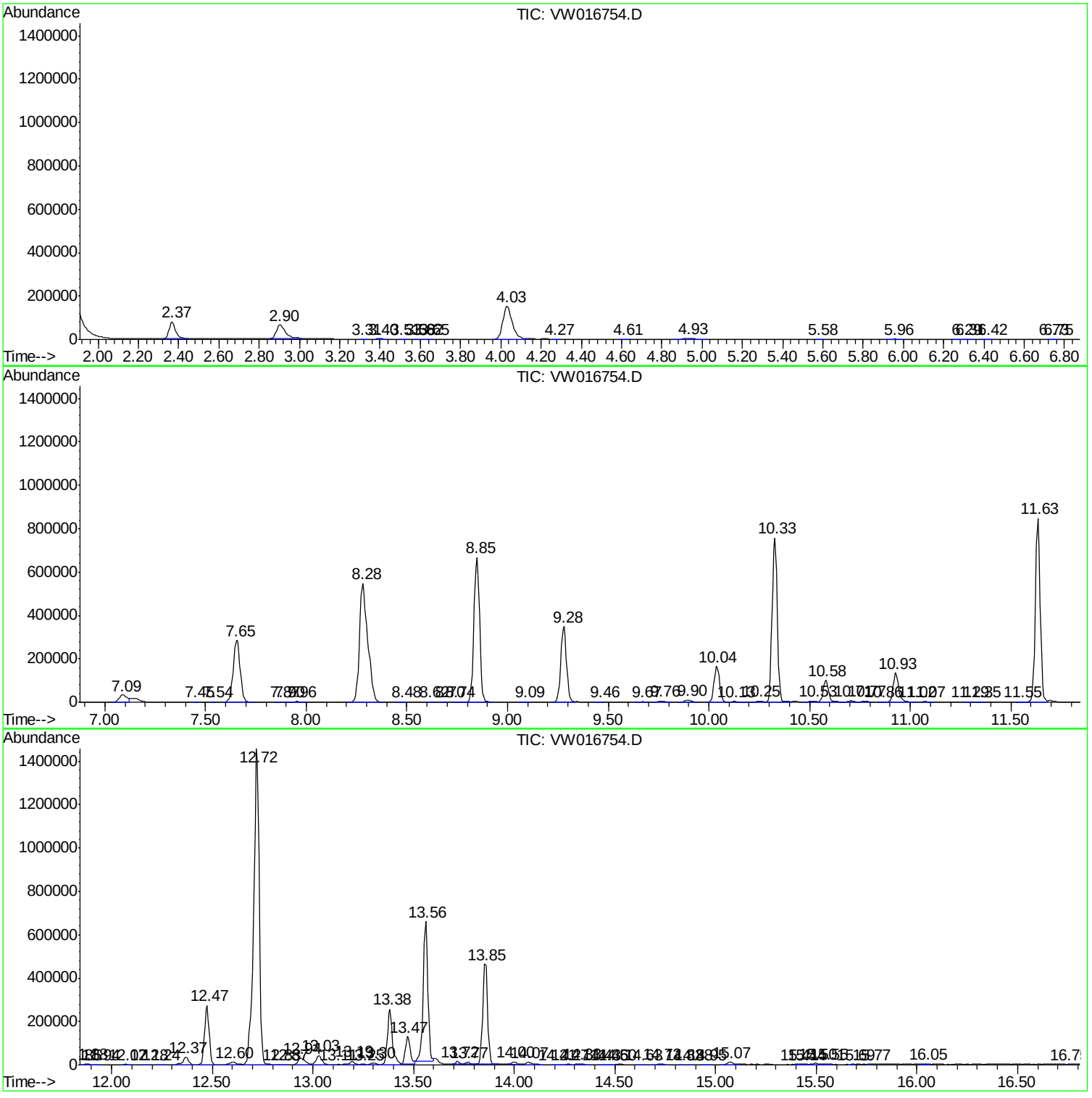
Sample : L4201-14
Misc : 4.06G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AQ6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100220\
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ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AQ6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

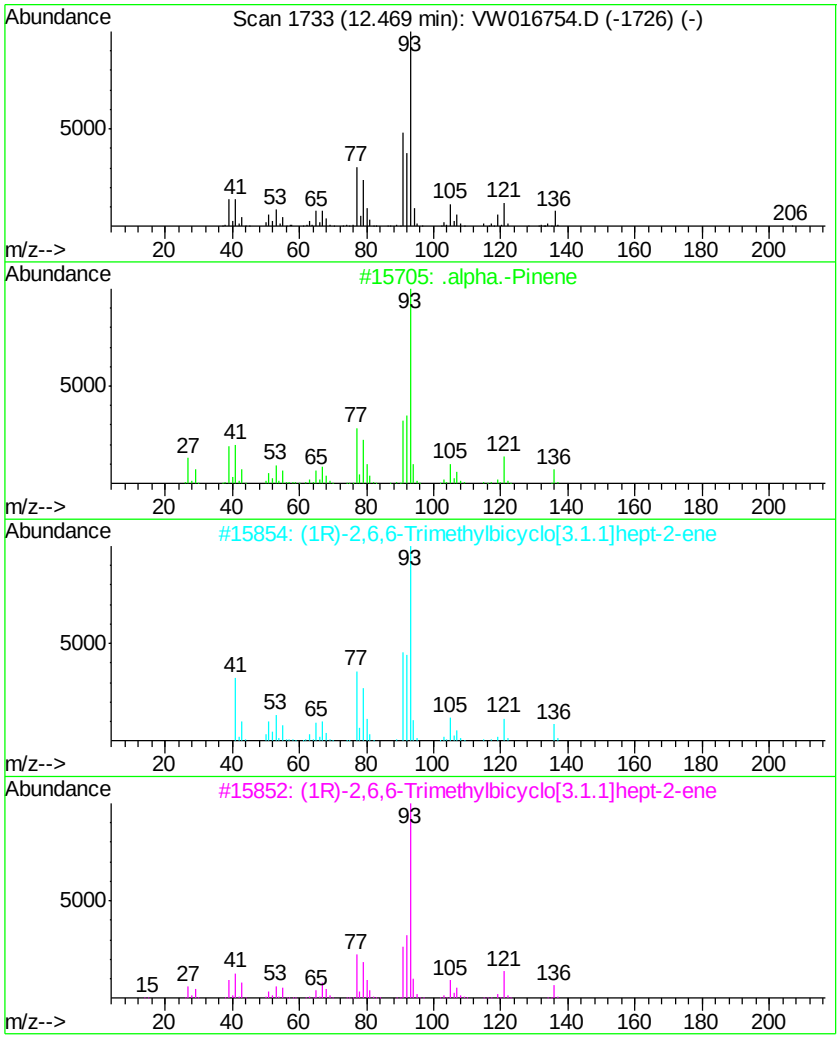
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

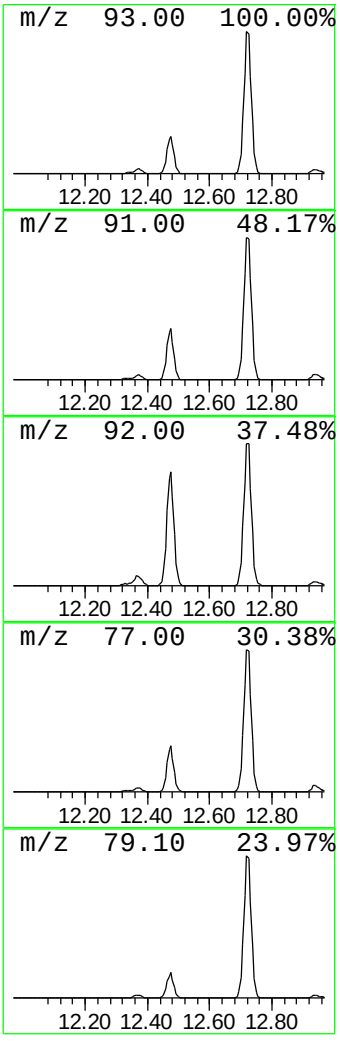
****

Peak Number 2 .alpha.-Pinene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	8.13 ug/L	457841	Chlorobenzene-d5	11.63

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	97
3	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	95
4	.alpha.-Pinene	136	C10H16	000080-56-8	94
5	.gamma.-Terpinene	136	C10H16	000099-85-4	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100220\
Data File : VW016754.D
Acq On : 02 Oct 2020 11:30
Operator : SY/VA
Sample : L4201-14
Misc : 4.06G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AQ6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

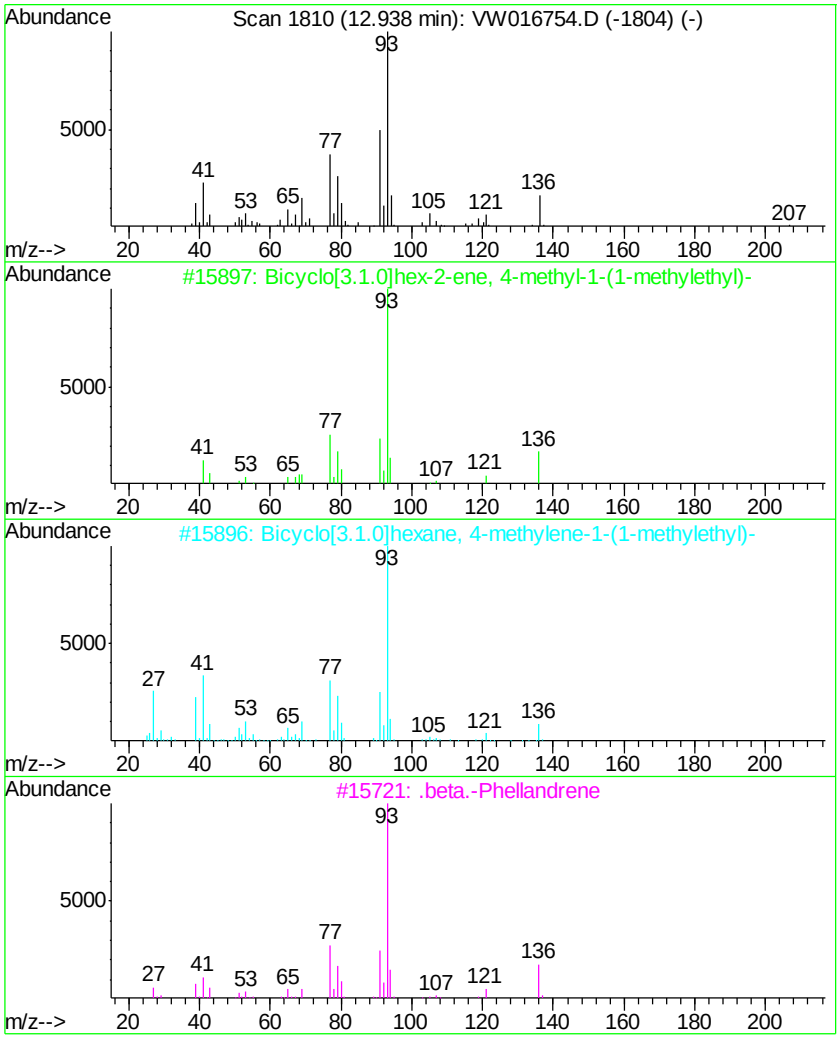
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

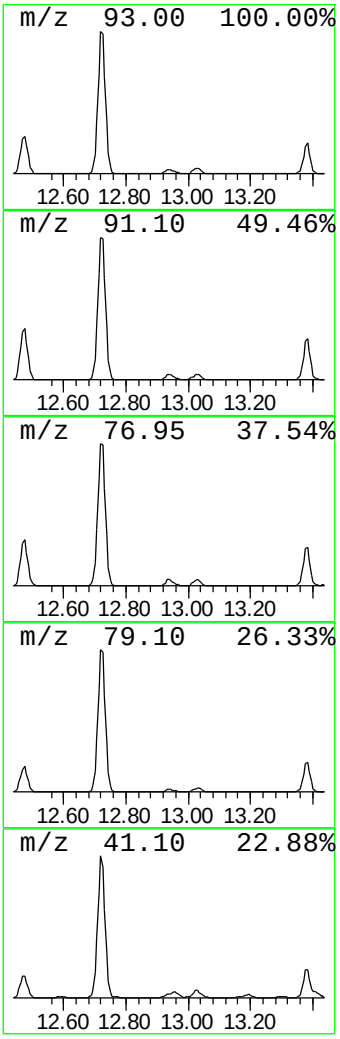
****

Peak Number 3 Bicyclo[3.1.0]hex-2-ene, 4-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	1.72 ug/L	71463	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.0]hex-2-ene, 4-methy...	136	C10H16	028634-89-1	91
2	Bicyclo[3.1.0]hexane, 4-methylen...	136	C10H16	003387-41-5	91
3	.beta.-Phellandrene	136	C10H16	000555-10-2	91
4	Bicyclo[3.1.0]hexane, 4-methylen...	136	C10H16	003387-41-5	91
5	.beta.-Phellandrene	136	C10H16	000555-10-2	90





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Quant Title : VOC Analysis

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

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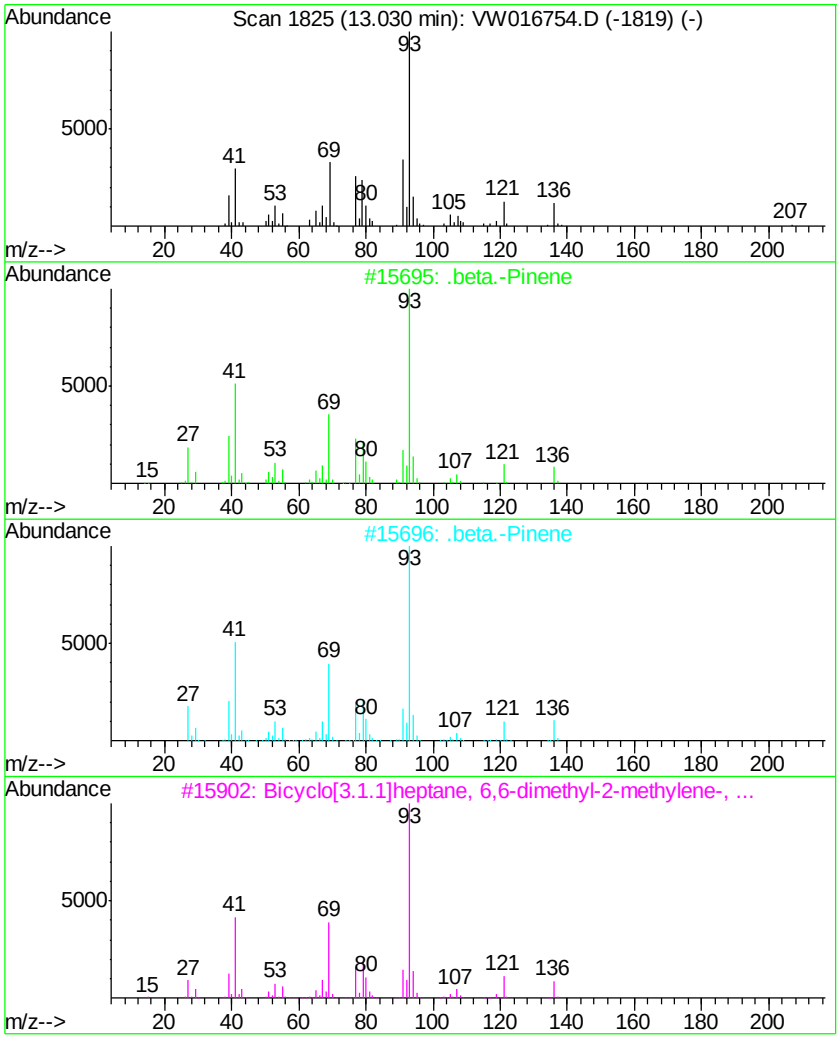
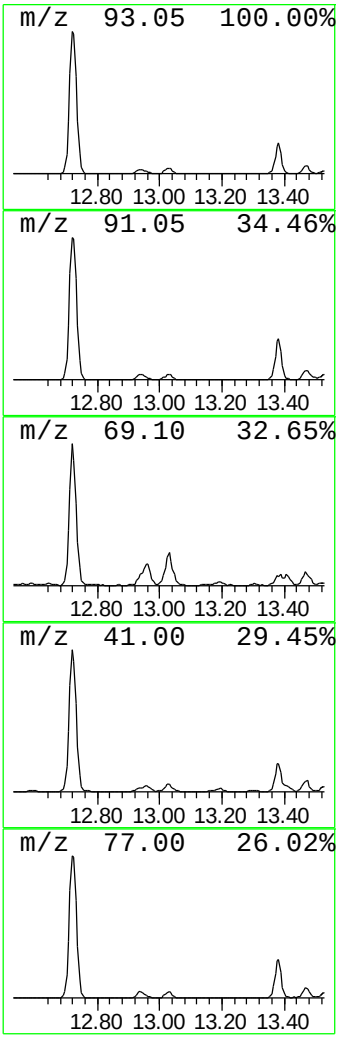
Peak Number 4 .beta.-Pinene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	1.99 ug/L	82635	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	.beta.-Pinene	136	C10H16	000127-91-3	93
3	Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	93
4	.alpha.-Pinene	136	C10H16	000080-56-8	93
5	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	93





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ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AQ6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

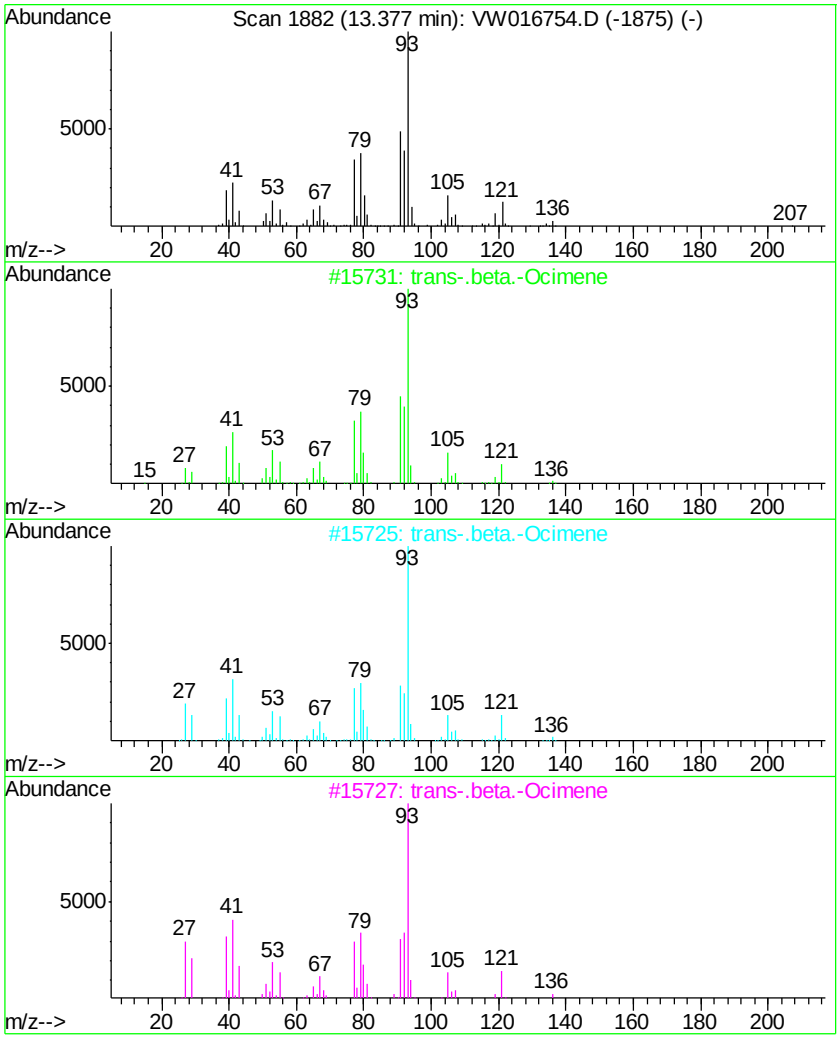
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

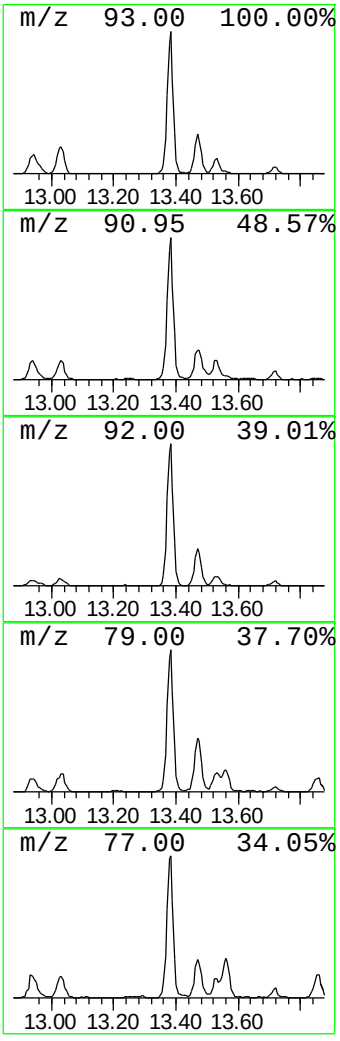
****

Peak Number 5 trans-.beta.-Ocimene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	10.46 ug/L	435503	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-.beta.-Ocimene	136	C10H16	003779-61-1	96
2	trans-.beta.-Ocimene	136	C10H16	003779-61-1	91
3	trans-.beta.-Ocimene	136	C10H16	003779-61-1	91
4	4-Carene, (1S,3R,6R)-(-)-	136	C10H16	005208-49-1	91
5	(+)-4-Carene	136	C10H16	029050-33-7	91





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Data File : VW016754.D
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Sample : L4201-14
Misc : 4.06G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AQ6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

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

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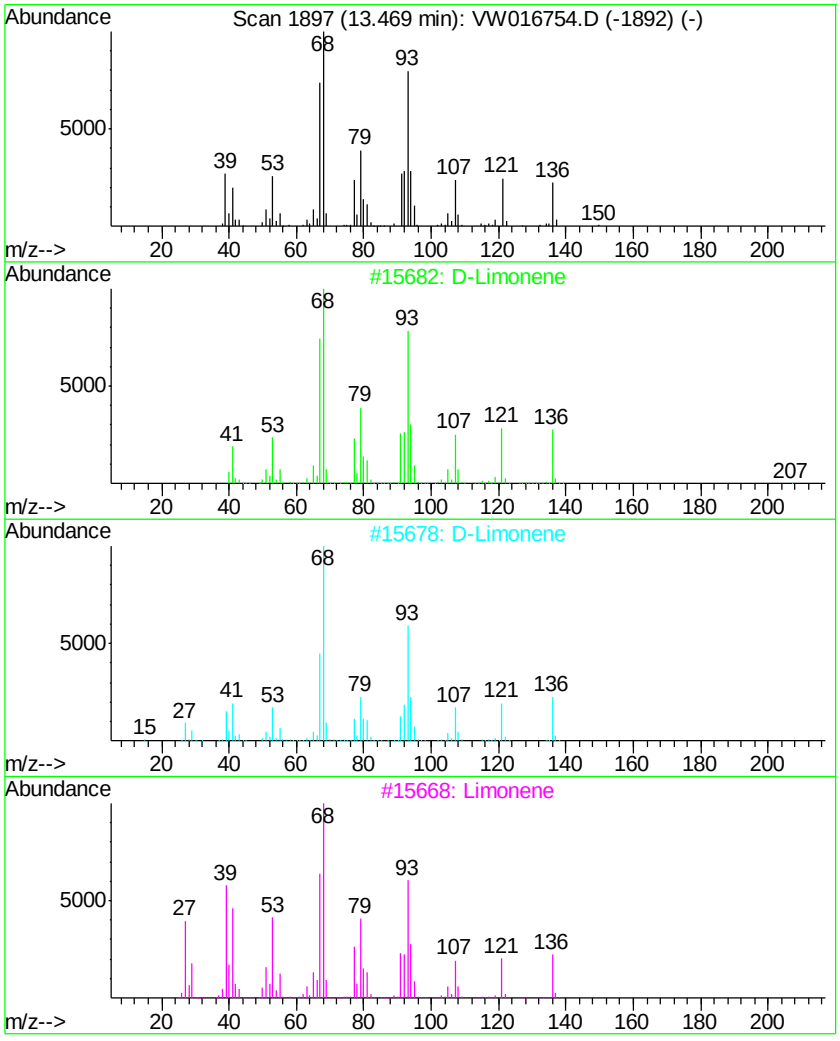
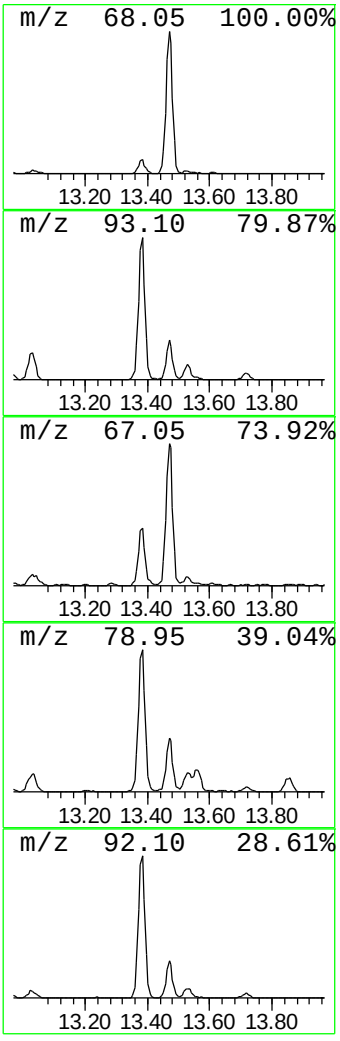
Peak Number 6 D-Limonene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	4.92 ug/L	204653	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Limonene	136	C10H16	005989-27-5	99
2	D-Limonene	136	C10H16	005989-27-5	94
3	Limonene	136	C10H16	000138-86-3	94
4	D-Limonene	136	C10H16	005989-27-5	93
5	Limonene	136	C10H16	000138-86-3	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100220\
Data File : VW016754.D
Acq On : 02 Oct 2020 11:30
Operator : SY/VA
Sample : L4201-14
Misc : 4.06G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AQ6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.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
.alpha.-Pinene	12.47	8.1	ug/L	457841	2	11.63	1407330	25.0
Bicyclo[3.1.0]hex...	12.94	1.7	ug/L	71463	3	13.56	1040710	25.0
.beta.-Pinene	13.03	2.0	ug/L	82635	3	13.56	1040710	25.0
trans-.beta.-Ocimene	13.38	10.5	ug/L	435503	3	13.56	1040710	25.0
D-Limonene	13.47	4.9	ug/L	204653	3	13.56	1040710	25.0