LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW093020\
Data File : VW016718.D
Acq On : 30 Sep 2020 17:38
Operator : SY/VA
Sample : L4201-04
Misc : 5.77G/10ML/MSVOA W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AM4

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	2.172	40	44	45	rBV3	1049	1486	0.03%	0.008%
2	2.367	70	76	93	rVB	92639	182638	3.22%	0.934%
3	2.904	156	164	185	rBV	66814	190930	3.36%	0.976%
4	3.398	240	245	247	rBV4	819	1275	0.02%	0.007%
5	3.483	256	259	263	rBV2	414	635	0.01%	0.003%
6	3.538	266	268	271	rVV3	462	669	0.01%	0.003%
7	3.562	271	272	275	rVB3	438	335	0.01%	0.002%
8	3.654	283	287	291	rVB3	385	564	0.01%	0.003%
9	3.684	291	292	296	rBV2	354	532	0.01%	0.003%
10	3.873	319	323	326	rBV2	256	365	0.01%	0.002%
11	4.032	337	349	365	rBV	196915	581616	10.24%	2.973%
12	4.379	404	406	407	rVV2	570	573	0.01%	0.003%
13	4.403	407	410	416	rVV3	899	1868	0.03%	0.010%
14	4.507	424	427	431	rBV2	308	406	0.01%	0.002%
15	4.611	441	444	448	rBV3	356	605	0.01%	0.003%
16	4.733	460	464	467	rBV2	240	346	0.01%	0.002%
17	4.824	474	479	480	rBV	329	507	0.01%	0.003%
18	4.928	484	496	510	rBV2	20275	70955	1.25%	0.363%
19	5.117	525	527	528	rBV2	550	453	0.01%	0.002%
20	5.135	528	530	531	rVV	448	445	0.01%	0.002%
21	5.153	531	533	537	rVV2	815	1187	0.02%	0.006%
22	5.458	581	583	588	rVB2	420	582	0.01%	0.003%
23	5.757	627	632	634	rBV2	560	820	0.01%	0.004%
24	5.958	656	665	673	rVV5	3060	9387	0.17%	0.048%
25	6.354	727	730	734	rBV3	207	361	0.01%	0.002%
26	6.415	739	740	745	rVB	311	317	0.01%	0.002%
27	6.903	818	820	821	rBV	592	454	0.01%	0.002%
28	6.921	821	823	825	rVV	331	333	0.01%	0.002%
29	6.988	832	834	836	rBV3	344	390	0.01%	0.002%
30	7.086	840	850	853	rBV	35149	82334	1.45%	0.421%
31	7.141	854	859	877	rVV	62836	174735	3.08%	0.893%
32	7.427	904	906	909	rVV4	433	502	0.01%	0.003%
33	7.464	909	912	917	rVV4	715	1099	0.02%	0.006%
34	7.549	922	926	929	rBV3	669	1089	0.02%	0.006%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW093020\
Data File : VW016718.D
Acq On : 30 Sep 2020 17:38
Operator : SY/VA
Sample : L4201-04
Misc : 5.77G/10ML/MSVOA W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AM4

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	7.659	933	944	956	rVV	304993	740963	13.05%	3.788%
36	7.952	987	992	993	rBV2	875	1299	0.02%	0.007%
37	7.970	993	995	999	rVV2	1025	1077	0.02%	0.006%
38	8.080	1010	1013	1018	rVB4	424	842	0.01%	0.004%
39	8.281	1034	1046	1061	rVV2	577789	1645901	28.98%	8.413%
40	8.409	1065	1067	1071	rVV4	1108	1546	0.03%	0.008%
41	8.445	1071	1073	1075	rVB	488	346	0.01%	0.002%
42	8.628	1100	1103	1104	rBV3	411	490	0.01%	0.003%
43	8.695	1112	1114	1119	rVB3	831	1236	0.02%	0.006%
44	8.848	1131	1139	1149	rBV	724330	1432678	25.22%	7.323%
45	9.055	1168	1173	1174	rVV4	1049	1367	0.02%	0.007%
46	9.079	1174	1177	1185	rVB5	1717	3994	0.07%	0.020%
47	9.140	1185	1187	1189	rBV	630	392	0.01%	0.002%
48	9.281	1201	1210	1221	rBV	369881	740582	13.04%	3.786%
49	9.378	1225	1226	1229	rVV2	715	579	0.01%	0.003%
50	9.598	1260	1262	1266	rVB2	626	703	0.01%	0.004%
51	9.628	1266	1267	1269	rBV	306	308	0.01%	0.002%
52	9.671	1269	1274	1280	rVB3	1654	2968	0.05%	0.015%
53	9.872	1304	1307	1308	rBV2	423	457	0.01%	0.002%
54	9.902	1308	1312	1318	rVB3	528	793	0.01%	0.004%
55	9.988	1323	1326	1327	rBV	674	602	0.01%	0.003%
56	10.043	1327	1335	1346	rVV	189312	347783	6.12%	1.778%
57	10.134	1346	1350	1354	rVB4	1093	1857	0.03%	0.009%
58	10.219	1362	1364	1368	rVB3	641	876	0.02%	0.004%
59	10.329	1372	1382	1390	rBV	849947	1492447	26.28%	7.629%
60	10.445	1399	1401	1405	rVB4	613	623	0.01%	0.003%
61	10.500	1408	1410	1412	rBV2	432	432	0.01%	0.002%
62	10.585	1416	1424	1437	rBV	109961	197559	3.48%	1.010%
63	10.707	1437	1444	1451	rVB	40408	70708	1.24%	0.361%
64	10.768	1451	1454	1458	rBV3	723	1185	0.02%	0.006%
65	10.866	1464	1470	1474	rBV6	4890	9250	0.16%	0.047%
66	10.927	1474	1480	1497	rVV	125222	224572	3.95%	1.148%
67	11.067	1497	1503	1516	rVV	28888	51514	0.91%	0.263%
68	11.177	1518	1521	1527	rVB4	2380	3372	0.06%	0.017%
69	11.262	1533	1535	1537	rBV2	537	557	0.01%	0.003%
70	11.286	1537	1539	1542	rVB3	446	488	0.01%	0.002%
71	11.402	1555	1558	1559	rBV2	1009	1273	0.02%	0.007%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW093020\
Data File : VW016718.D
Acq On : 30 Sep 2020 17:38
Operator : SY/VA
Sample : L4201-04
Misc : 5.77G/10ML/MSVOA W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AM4

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	11.445	1560	1565	1571	rVB3	8773	14577	0.26%	0.075%
73	11.555	1581	1583	1587	rVB4	833	1113	0.02%	0.006%
74	11.634	1587	1596	1607	rBV	973575	1614499	28.42%	8.253%
75	11.774	1617	1619	1621	rVB3	645	512	0.01%	0.003%
76	11.835	1625	1629	1630	rBV4	916	1158	0.02%	0.006%
77	11.920	1641	1643	1645	rBV2	1175	1236	0.02%	0.006%
78	12.091	1668	1671	1672	rBV2	617	611	0.01%	0.003%
79	12.140	1676	1679	1680	rBV3	978	993	0.02%	0.005%
80	12.158	1680	1682	1683	rBV2	1419	1424	0.03%	0.007%
81	12.274	1700	1701	1706	rVB3	647	422	0.01%	0.002%
82	12.365	1708	1716	1717	rBV4	2430	3927	0.07%	0.020%
83	12.615	1734	1757	1767	rBV3	1126141	5679915	100.00%	29.034%
84	12.938	1806	1810	1813	rBV5	3426	6623	0.12%	0.034%
85	13.560	1905	1912	1918	rBV	995792	1574450	27.72%	8.048%
86	13.652	1918	1927	1932	rBV2	87470	278410	4.90%	1.423%
87	13.853	1954	1960	1967	rVB	726516	1232353	21.70%	6.299%
88	14.024	1981	1988	1993	rBV3	21838	62819	1.11%	0.321%
89	14.072	1993	1996	1999	rBV2	15272	24118	0.42%	0.123%
90	14.542	2062	2073	2076	rBV5	132772	429555	7.56%	2.196%
91	14.725	2094	2103	2113	rBV4	24909	72137	1.27%	0.369%
92	14.956	2129	2141	2153	rVB4	63456	236268	4.16%	1.208%
93	15.249	2187	2189	2196	rVB6	1748	2220	0.04%	0.011%
94	15.328	2200	2202	2203	rBV2	1133	929	0.02%	0.005%
95	15.438	2215	2220	2227	rVB	13133	21772	0.38%	0.111%
96	15.639	2251	2253	2255	rBV3	685	602	0.01%	0.003%
97	15.761	2268	2273	2274	rBV3	1871	2400	0.04%	0.012%
98	15.920	2297	2299	2301	rVB3	908	585	0.01%	0.003%
99	16.096	2326	2328	2332	rBV5	1230	1578	0.03%	0.008%
100	16.615	2409	2413	2416	rBV5	977	1624	0.03%	0.008%

Sum of corrected areas: 19563242

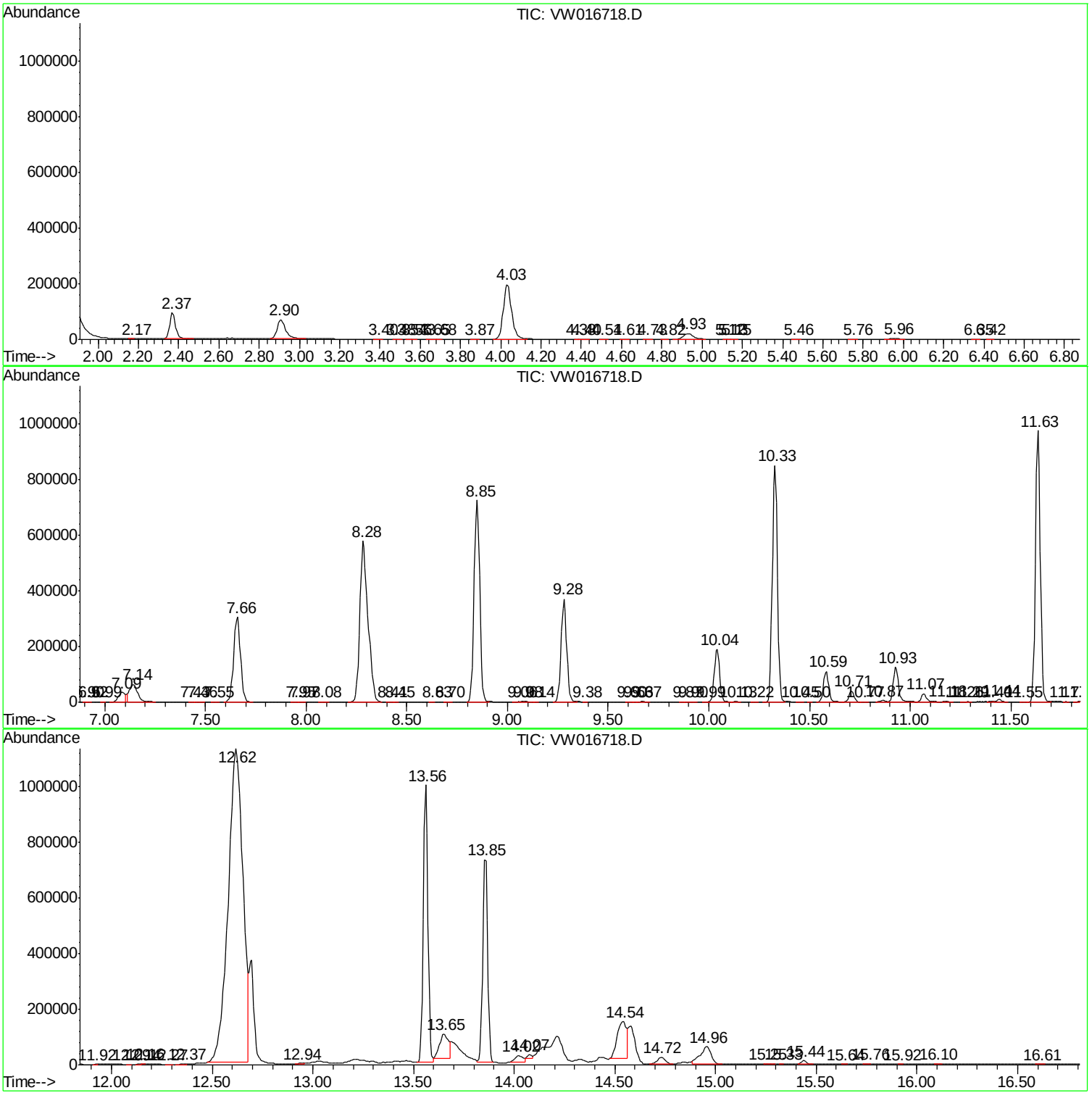
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW093020\
Data File : VW016718.D
Acq On : 30 Sep 2020 17:38
Operator : SY/VA
Sample : L4201-04
Misc : 5.77G/10ML/MSVOA W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AM4

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW093020\
Data File : VW016718.D
Acq On : 30 Sep 2020 17:38
Operator : SY/VA
Sample : L4201-04
Misc : 5.77G/10ML/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AM4

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

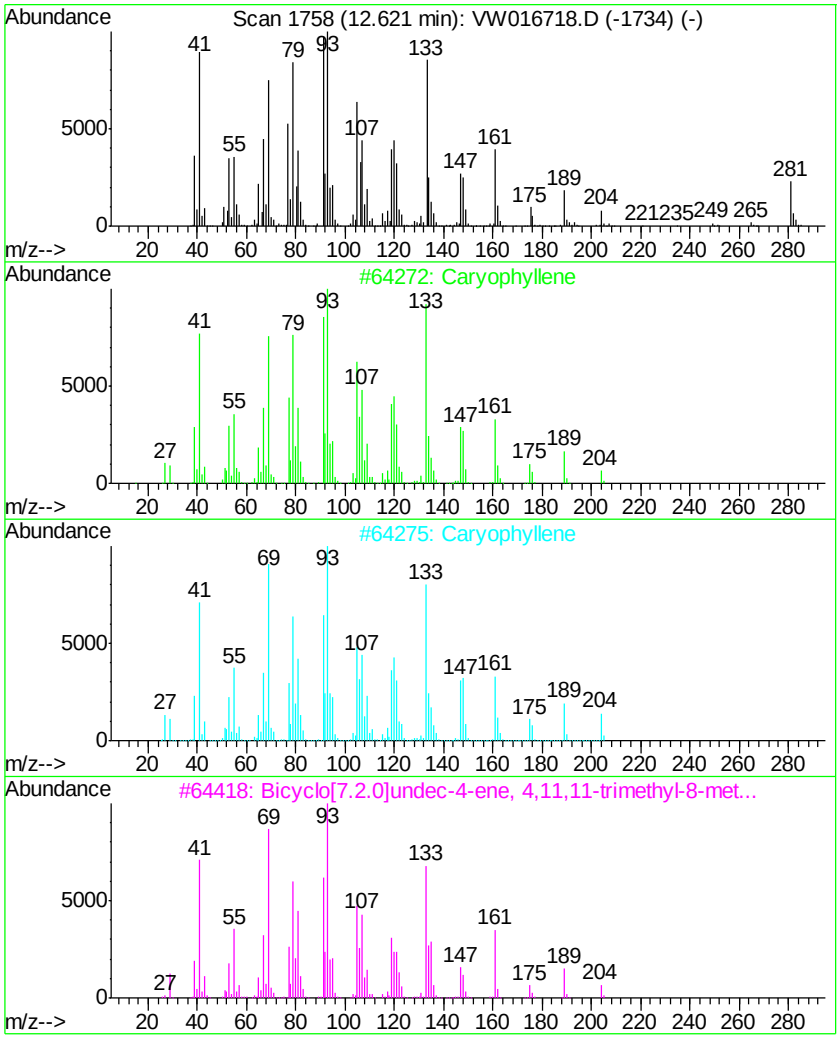
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

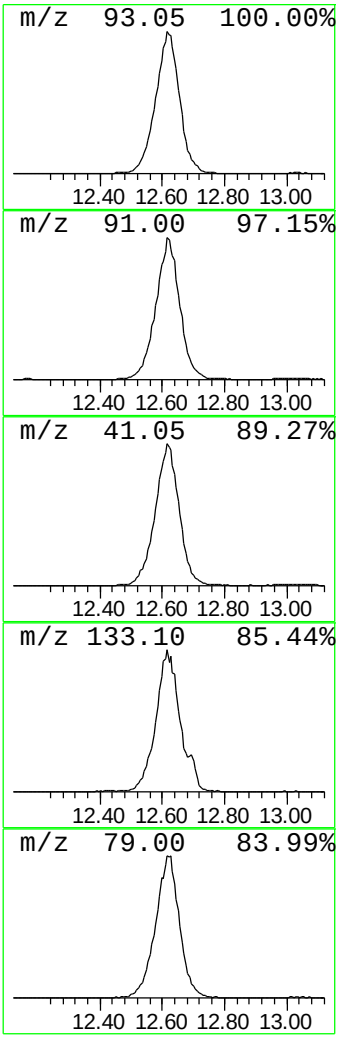
****

Peak Number 3 Caryophyllene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	90.19 ug/L	5679920	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Caryophyllene	204	C15H24	000087-44-5	99
2	Caryophyllene	204	C15H24	000087-44-5	99
3	Bicyclo[7.2.0]undec-4-ene, 4,11,...	204	C15H24	013877-93-5	92
4	Bicyclo[5.2.0]nonane, 2-methylen...	204	C15H24	242794-76-9	92
5	Bicyclo[7.2.0]undec-4-ene, 4,11,...	204	C15H24	013877-93-5	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW093020\
Data File : VW016718.D
Acq On : 30 Sep 2020 17:38
Operator : SY/VA
Sample : L4201-04
Misc : 5.77G/10ML/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AM4

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

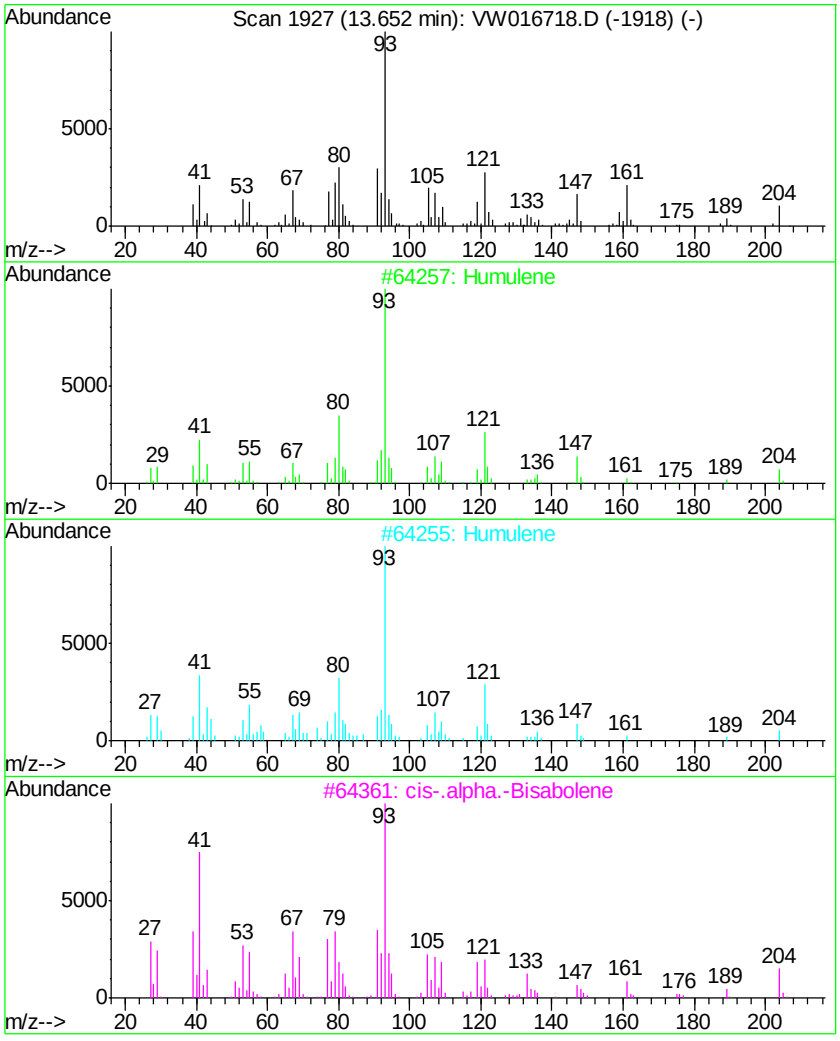
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

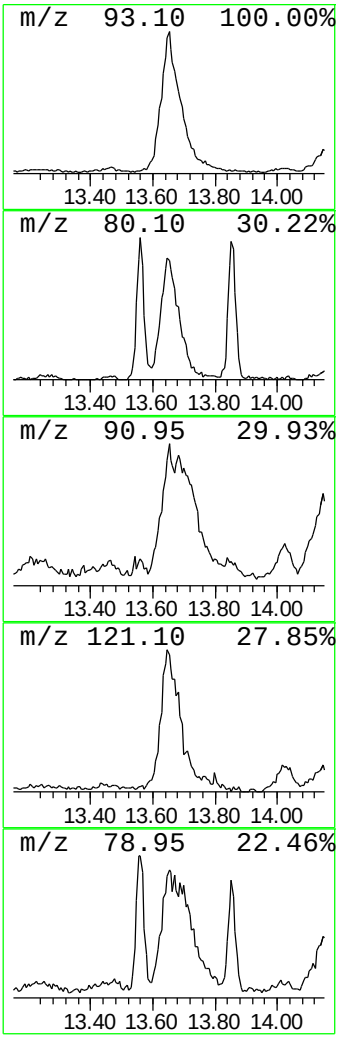
****

Peak Number 4 Humulene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	4.42 ug/L	278410	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Humulene	204	C15H24	006753-98-6	93
2	Humulene	204	C15H24	006753-98-6	90
3	cis-.alpha.-Bisabolene	204	C15H24	029837-07-8	90
4	Humulene	204	C15H24	006753-98-6	86
5	1,4,7,-Cycloundecatriene, 1,5,9,...	204	C15H24	1000062-61-9	60





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW093020\
Data File : VW016718.D
Acq On : 30 Sep 2020 17:38
Operator : SY/VA
Sample : L4201-04
Misc : 5.77G/10ML/MSVOA W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AM4

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

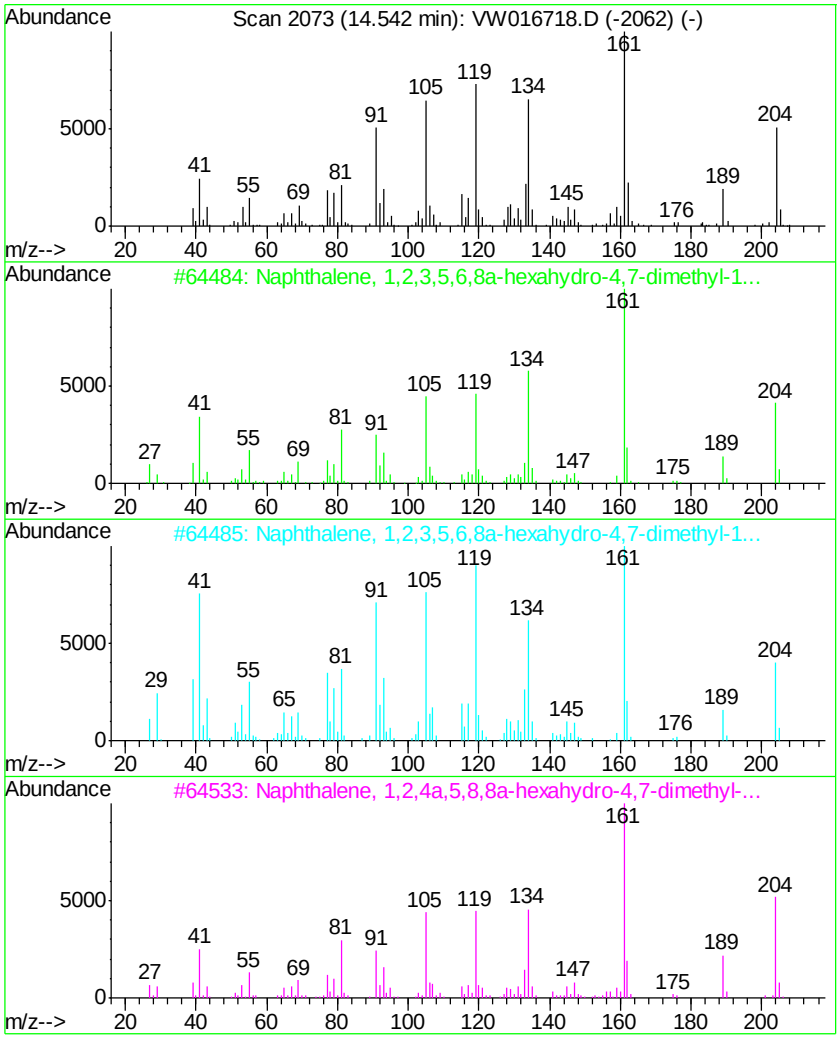
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

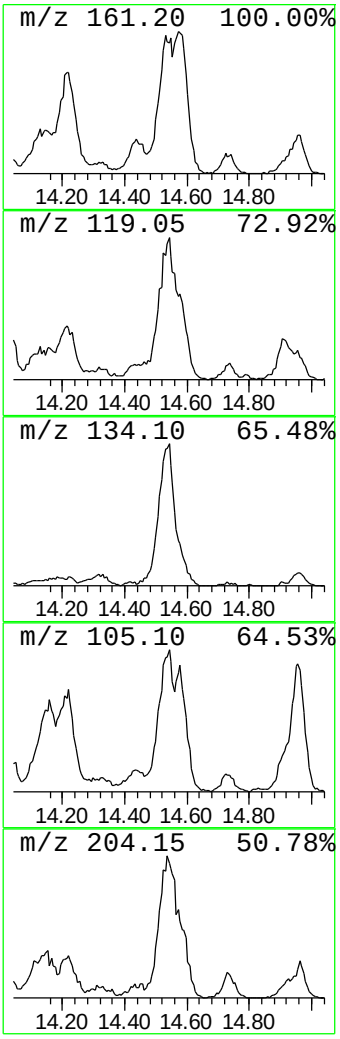
****

Peak Number 5 Naphthalene, 1,2,3,5,6,8a-h... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	6.82 ug/L	429555	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,5,6,8a-hexahy...	204	C15H24	000483-76-1	95
2	Naphthalene, 1,2,3,5,6,8a-hexahy...	204	C15H24	000483-76-1	95
3	Naphthalene, 1,2,4a,5,8,8a-hexah...	204	C15H24	000523-47-7	95
4	Naphthalene, 1,2,3,5,6,8a-hexahy...	204	C15H24	000483-76-1	93
5	cis-muurola-3,5-diene	204	C15H24	1000365-95-4	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW093020\
Data File : VW016718.D
Acq On : 30 Sep 2020 17:38
Operator : SY/VA
Sample : L4201-04
Misc : 5.77G/10ML/MSVOA W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AM4

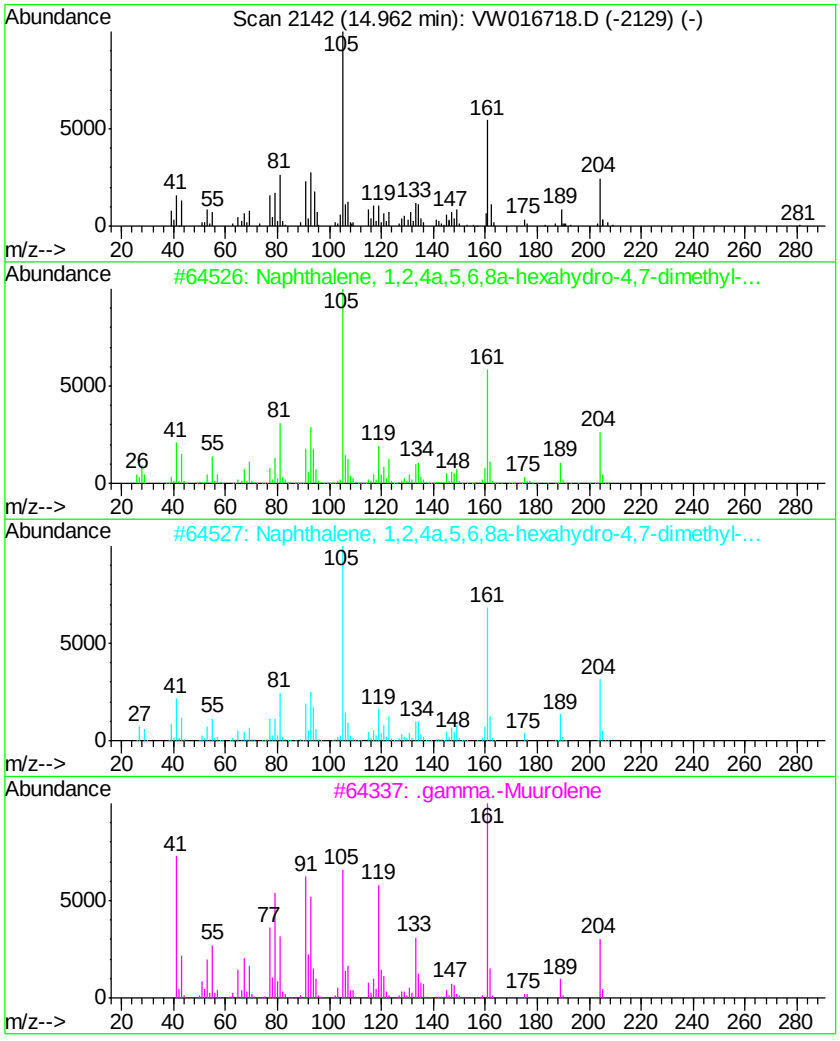
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

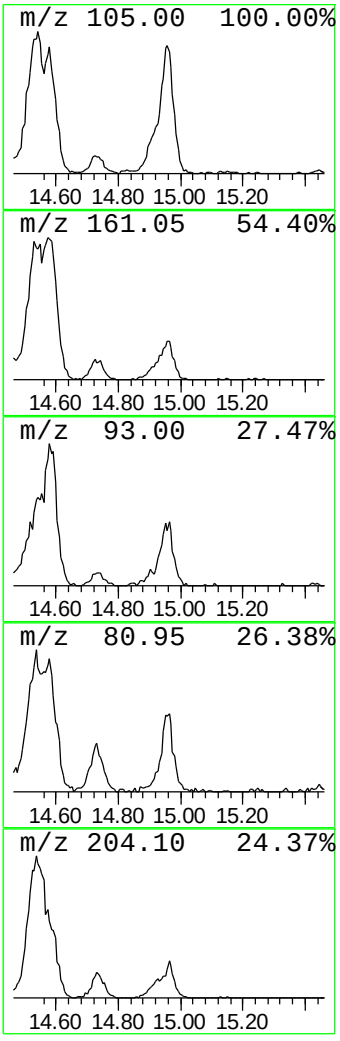
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Naphthalene, 1,2,4a,5,6,8a-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	3.75 ug/L	236268	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,4a,5,6,8a-hexah...	204	C15H24	017627-24-6	98
2	Naphthalene, 1,2,4a,5,6,8a-hexah...	204	C15H24	024406-05-1	98
3	.gamma.-Muurolene	204	C15H24	030021-74-0	76
4	1,6-Cyclodecadiene, 1-methyl-5-m...	204	C15H24	023986-74-5	70
5	.gamma.-Muurolene	204	C15H24	030021-74-0	68





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW093020\
Data File : VW016718.D
Acq On : 30 Sep 2020 17:38
Operator : SY/VA
Sample : L4201-04
Misc : 5.77G/10ML/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AM4

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
Caryophyllene	12.62	90.2	ug/L	5679920	3	13.56	1574450	25.0
Humulene	13.65	4.4	ug/L	278410	3	13.56	1574450	25.0
Naphthalene, 1,2,...	14.54	6.8	ug/L	429555	3	13.56	1574450	25.0
Naphthalene, 1,2,...	14.96	3.8	ug/L	236268	3	13.56	1574450	25.0