LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072420\
Data File : VW015942.D
Acq On : 24 Jul 2020 12:04
Operator : SY/VA
Sample : L3388-12
Misc : 5.35G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AD8

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\SOM2WLM072020S.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	2.154	38	41	43	rBV2	972	1061	0.08%	0.009%
2	2.355	67	74	86	rVB	98444	187568	14.39%	1.576%
3	2.891	154	162	177	rBV	67292	161773	12.41%	1.359%
4	3.830	314	316	318	rVB	360	257	0.02%	0.002%
5	3.861	318	321	322	rBV3	488	420	0.03%	0.004%
6	4.007	335	345	361	rBV	177685	483069	37.06%	4.059%
7	4.147	361	368	385	rVB	7773	29859	2.29%	0.251%
8	4.288	389	391	394	rVB2	272	261	0.02%	0.002%
9	4.355	399	402	404	rBV2	505	533	0.04%	0.004%
10	4.477	412	422	423	rBV3	1517	3351	0.26%	0.028%
11	4.720	460	462	464	rBV	260	309	0.02%	0.003%
12	4.836	477	481	482	rBV2	380	352	0.03%	0.003%
13	4.909	482	493	507	rVV	23002	74346	5.70%	0.625%
14	5.190	537	539	540	rBV	344	231	0.02%	0.002%
15	5.208	540	542	543	rVV2	487	445	0.03%	0.004%
16	5.226	543	545	548	rVV2	631	995	0.08%	0.008%
17	5.275	552	553	556	rVV2	582	418	0.03%	0.004%
18	5.330	559	562	563	rBV2	238	241	0.02%	0.002%
19	5.415	573	576	582	rBV3	242	480	0.04%	0.004%
20	5.482	586	587	591	rBV2	174	211	0.02%	0.002%
21	5.519	591	593	598	rVB2	282	398	0.03%	0.003%
22	5.665	614	617	620	rVB2	240	274	0.02%	0.002%
23	5.739	622	629	630	rBV2	545	788	0.06%	0.007%
24	5.793	630	638	646	rVV7	1704	6052	0.46%	0.051%
25	5.848	646	647	653	rVB2	306	356	0.03%	0.003%
26	5.940	653	662	672	rBV2	4812	13853	1.06%	0.116%
27	6.202	701	705	708	rVB	168	279	0.02%	0.002%
28	6.238	708	711	714	rBV2	266	311	0.02%	0.003%
29	6.525	756	758	760	rVV2	194	206	0.02%	0.002%
30	6.653	778	779	781	rBV	275	242	0.02%	0.002%
31	6.720	787	790	792	rBV2	181	210	0.02%	0.002%
32	6.921	817	823	828	rBV4	490	958	0.07%	0.008%
33	7.092	841	851	856	rBV	26806	72825	5.59%	0.612%
34	7.159	857	862	874	rVB	37522	109784	8.42%	0.922%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072420\
Data File : VW015942.D
Acq On : 24 Jul 2020 12:04
Operator : SY/VA
Sample : L3388-12
Misc : 5.35G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AD8

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\SOM2WLM072020S.M
Title : VOC Analysis

35	7.415	902	904	908	rBV3	326	309	0.02%	0.003%
36	7.537	922	924	925	rBV2	257	208	0.02%	0.002%
37	7.653	931	943	962	rVB	211406	516814	39.65%	4.342%
38	7.958	987	993	997	rVB3	802	1461	0.11%	0.012%
39	8.128	1019	1021	1024	rBV2	210	228	0.02%	0.002%
40	8.281	1032	1046	1064	rBV2	444953	1303380	100.00%	10.951%
41	8.409	1066	1067	1069	rVV2	672	471	0.04%	0.004%
42	8.482	1076	1079	1080	rBV	204	222	0.02%	0.002%
43	8.549	1086	1090	1091	rBV2	311	272	0.02%	0.002%
44	8.628	1099	1103	1107	rBV5	356	544	0.04%	0.005%
45	8.695	1111	1114	1119	rVB3	548	810	0.06%	0.007%
46	8.738	1119	1121	1125	rVB2	366	334	0.03%	0.003%
47	8.848	1129	1139	1151	rBV	535811	1042305	79.97%	8.757%
48	9.073	1171	1176	1185	rVV4	1702	3909	0.30%	0.033%
49	9.213	1196	1199	1200	rBV2	183	208	0.02%	0.002%
50	9.274	1200	1209	1219	rVV	282050	570761	43.79%	4.796%
51	9.348	1219	1221	1228	rVV4	1155	2069	0.16%	0.017%
52	9.573	1256	1258	1260	rVB	292	215	0.02%	0.002%
53	9.665	1269	1273	1280	rBV3	590	1090	0.08%	0.009%
54	9.780	1289	1292	1293	rBV2	256	281	0.02%	0.002%
55	9.811	1294	1297	1298	rBV3	221	226	0.02%	0.002%
56	9.878	1304	1308	1310	rBV4	279	454	0.03%	0.004%
57	9.939	1316	1318	1321	rBV2	254	252	0.02%	0.002%
58	10.037	1321	1334	1345	rBV	142180	257277	19.74%	2.162%
59	10.195	1358	1360	1362	rBV	326	392	0.03%	0.003%
60	10.213	1362	1363	1366	rVV3	699	619	0.05%	0.005%
61	10.329	1373	1382	1391	rBV	592253	1053734	80.85%	8.853%
62	10.506	1409	1411	1416	rVB3	995	1190	0.09%	0.010%
63	10.579	1417	1423	1436	rVB	87600	153448	11.77%	1.289%
64	10.707	1436	1444	1451	rBV	142144	246771	18.93%	2.073%
65	10.927	1474	1480	1498	rVB	107477	200455	15.38%	1.684%
66	11.067	1498	1503	1511	rVB2	24251	42844	3.29%	0.360%
67	11.183	1518	1522	1529	rVB7	2352	4682	0.36%	0.039%
68	11.439	1556	1564	1572	rVB2	53241	95169	7.30%	0.800%
69	11.530	1577	1579	1580	rBV2	488	324	0.02%	0.003%
70	11.634	1588	1596	1608	rBV	681401	1157246	88.79%	9.723%
71	11.902	1620	1640	1641	rBV10	10671	40615	3.12%	0.341%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072420\
Data File : VW015942.D
Acq On : 24 Jul 2020 12:04
Operator : SY/VA
Sample : L3388-12
Misc : 5.35G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AD8

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\SOM2WLM072020S.M
Title : VOC Analysis

72	12.189	1678	1687	1688	rBV4	1564	3271	0.25%	0.027%
73	12.359	1688	1715	1742	rVV4	212547	1208580	92.73%	10.155%
74	12.609	1749	1756	1764	rBV	133526	220413	16.91%	1.852%
75	12.695	1764	1770	1778	rVB	177819	290184	22.26%	2.438%
76	12.756	1778	1780	1787	rVB2	1411	2158	0.17%	0.018%
77	12.932	1804	1809	1814	rBV	11703	18576	1.43%	0.156%
78	13.036	1816	1826	1844	rVB9	13881	60440	4.64%	0.508%
79	13.207	1845	1854	1858	rBV2	11582	19145	1.47%	0.161%
80	13.298	1863	1869	1877	rVB2	27445	44796	3.44%	0.376%
81	13.402	1877	1886	1891	rBV2	7880	16958	1.30%	0.142%
82	13.487	1891	1900	1901	rBV5	8197	19341	1.48%	0.163%
83	13.560	1905	1912	1919	rVV	583415	934820	71.72%	7.854%
84	13.664	1924	1929	1953	rVB	28819	132096	10.13%	1.110%
85	13.853	1953	1960	1966	rBV	435077	779949	59.84%	6.553%
86	14.018	1984	1987	1988	rBV3	1228	1261	0.10%	0.011%
87	14.072	1991	1996	2004	rVB	27075	44908	3.45%	0.377%
88	14.200	2013	2017	2019	rBV4	2983	4753	0.36%	0.040%
89	14.322	2023	2037	2049	rVB4	27906	110674	8.49%	0.930%
90	14.493	2056	2065	2074	rBV8	18955	55683	4.27%	0.468%
91	14.731	2099	2104	2106	rBV4	7101	11556	0.89%	0.097%
92	14.902	2123	2132	2141	rBV4	13413	37216	2.86%	0.313%
93	15.255	2188	2190	2195	rBV4	689	1039	0.08%	0.009%
94	15.438	2213	2220	2225	rBV	15405	24182	1.86%	0.203%
95	15.493	2227	2229	2233	rVB2	1284	1372	0.11%	0.012%
96	15.651	2253	2255	2257	rBV3	516	429	0.03%	0.004%
97	15.694	2260	2262	2265	rVB3	1084	1240	0.10%	0.010%
98	15.773	2271	2275	2276	rBV4	1033	1286	0.10%	0.011%
99	15.846	2285	2287	2289	rBV2	635	675	0.05%	0.006%
100	16.639	2415	2417	2419	rBV2	527	590	0.05%	0.005%

Sum of corrected areas: 11901896

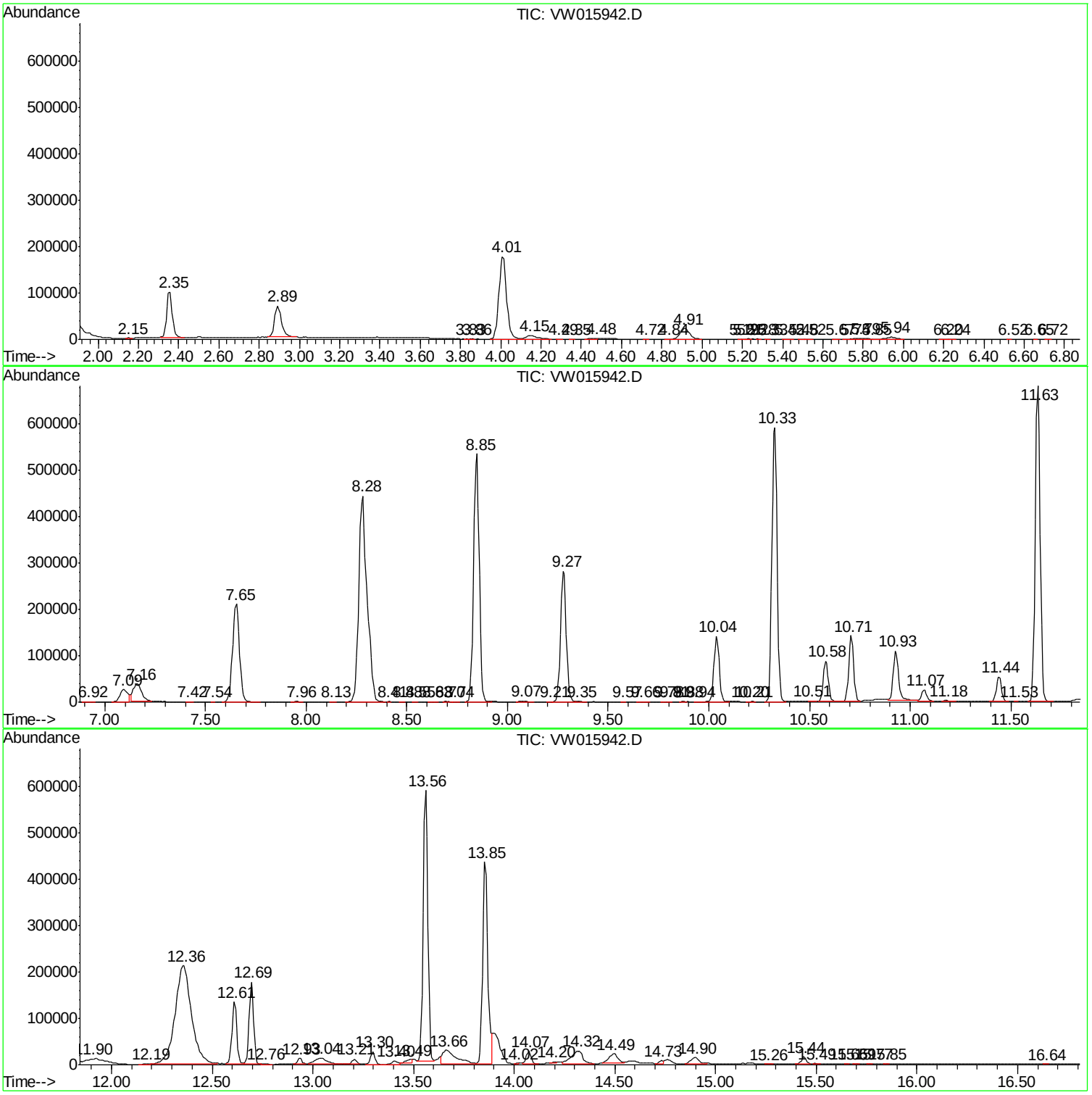
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072420\
Data File : VW015942.D
Acq On : 24 Jul 2020 12:04
Operator : SY/VA
Sample : L3388-12
Misc : 5.35G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AD8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.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\VW072420\
Data File : VW015942.D
Acq On : 24 Jul 2020 12:04
Operator : SY/VA
Sample : L3388-12
Misc : 5.35G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AD8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

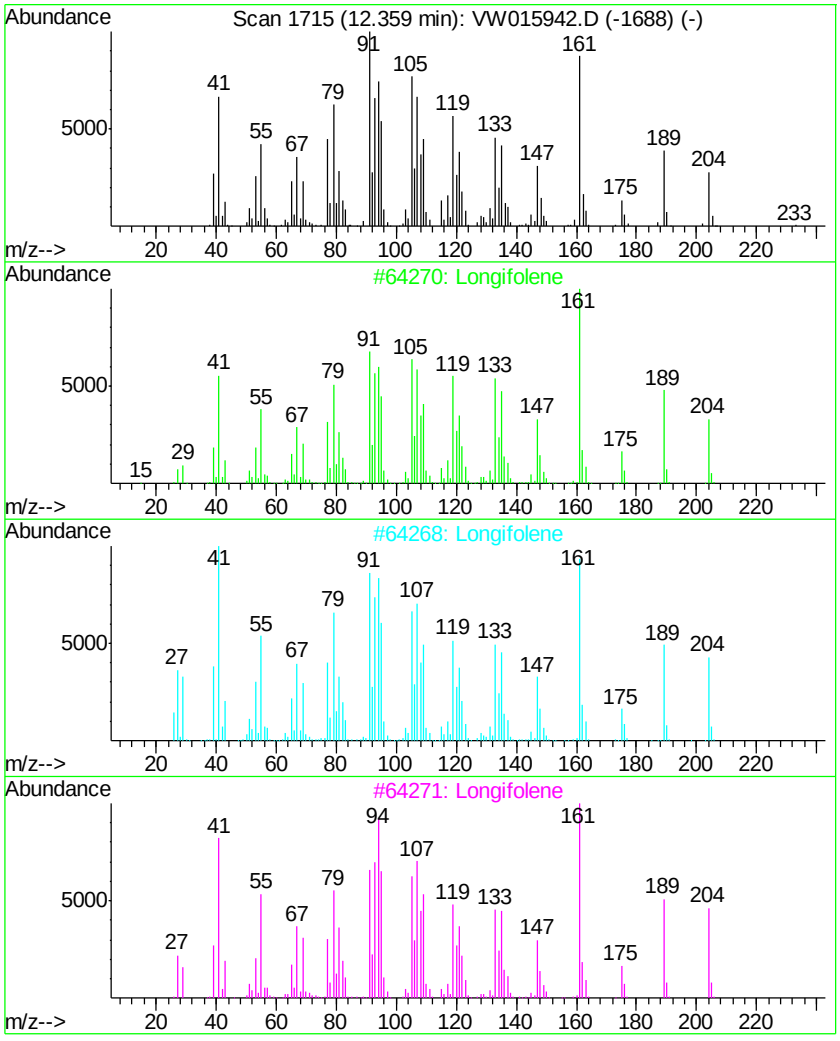
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

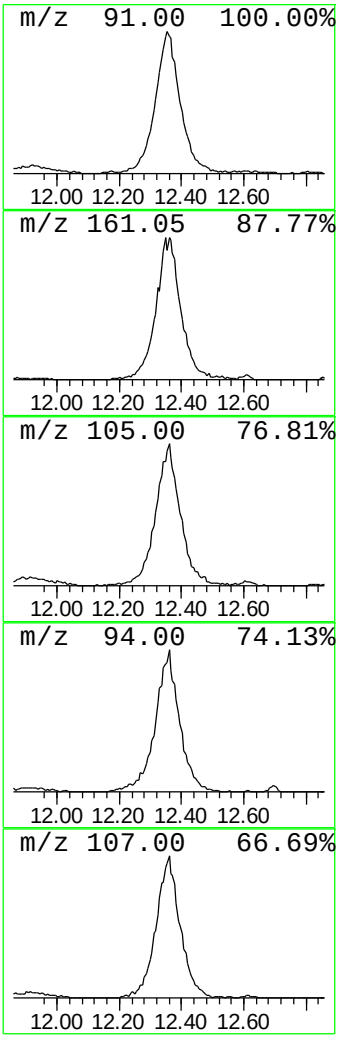
****

Peak Number 4 Longifolene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	26.11 ug/L	1208580	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Longifolene	204	C15H24	000475-20-7	99
2	Longifolene	204	C15H24	000475-20-7	99
3	Longifolene	204	C15H24	000475-20-7	99
4	Longifolene	204	C15H24	000475-20-7	99
5	Naphthalene, 1,2,3,5,6,7,8,8a-oc...	204	C15H24	010219-75-7	97





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072420\
Data File : VW015942.D
Acq On : 24 Jul 2020 12:04
Operator : SY/VA
Sample : L3388-12
Misc : 5.35G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AD8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

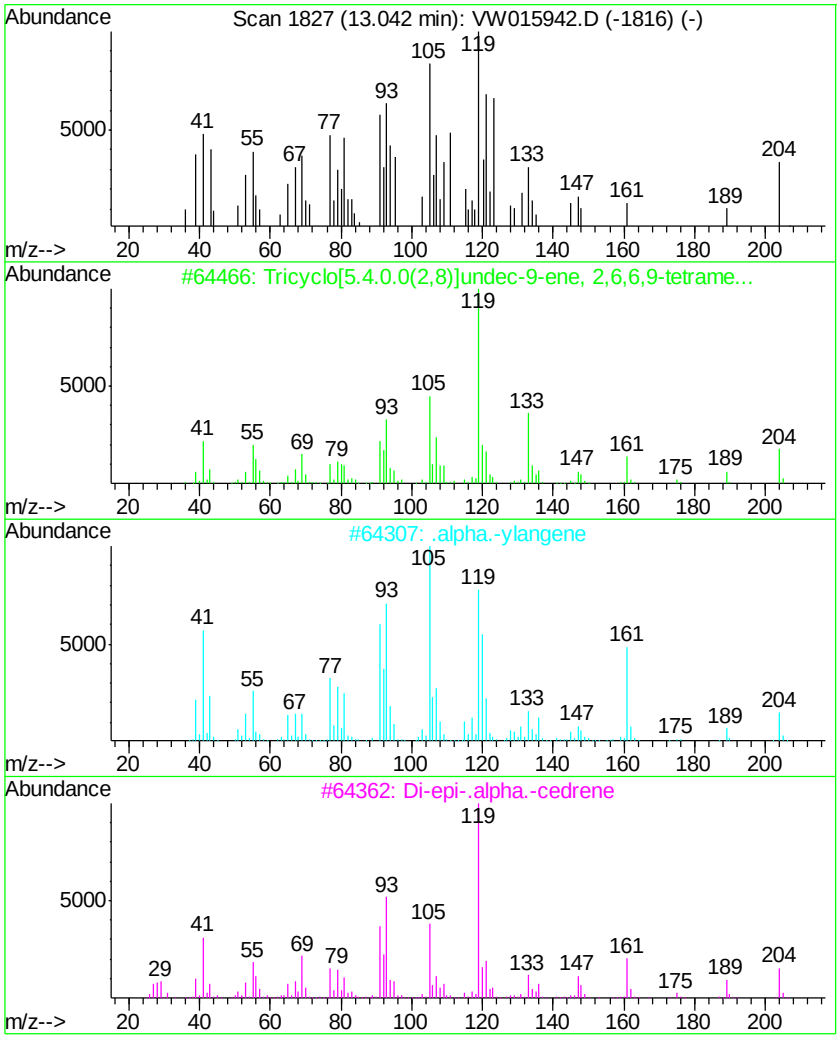
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

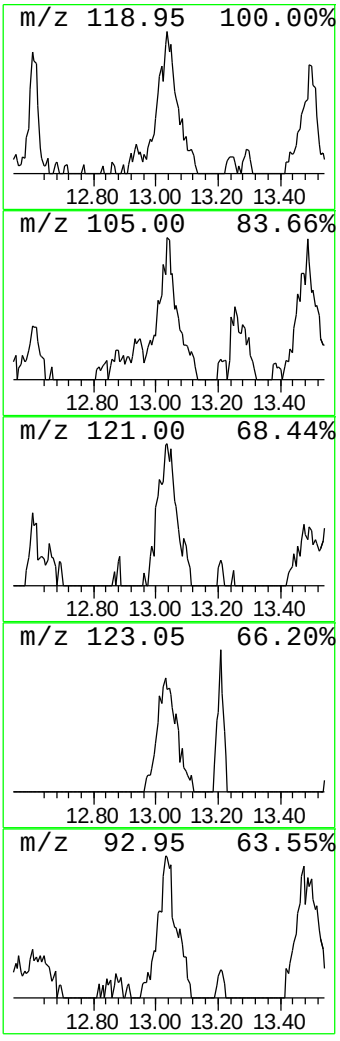
****

Peak Number 6 unknown-01 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	1.62 ug/L	60440	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[5.4.0.0(2,8)]undec-9-en...	204	C15H24	005989-08-2	42
2	.alpha.-ylangene	204	C15H24	1000374-19-0	38
3	Di-epi-.alpha.-cedrene	204	C15H24	050894-66-1	30
4	1,5,9,9-Tetramethyl-2-methylene-...	190	C14H22	1000186-71-7	27
5	trans-.alpha.-Bergamotene	204	C15H24	013474-59-4	27





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072420\
Data File : VW015942.D
Acq On : 24 Jul 2020 12:04
Operator : SY/VA
Sample : L3388-12
Misc : 5.35G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AD8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

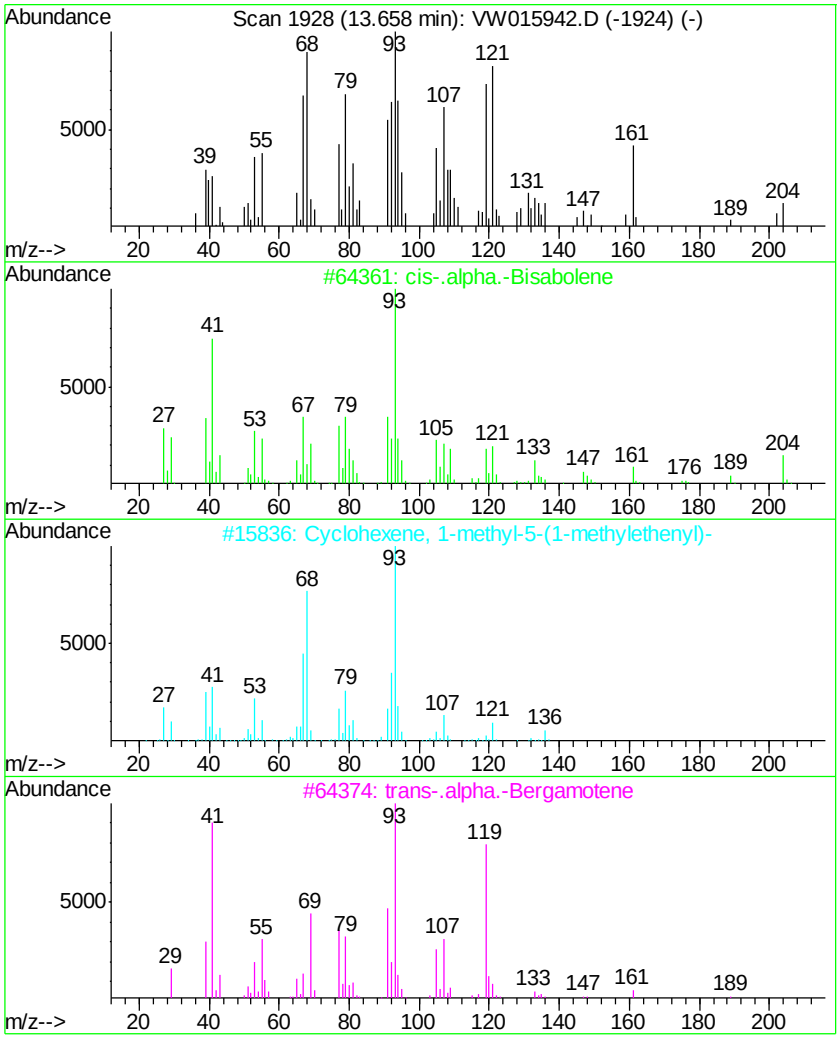
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

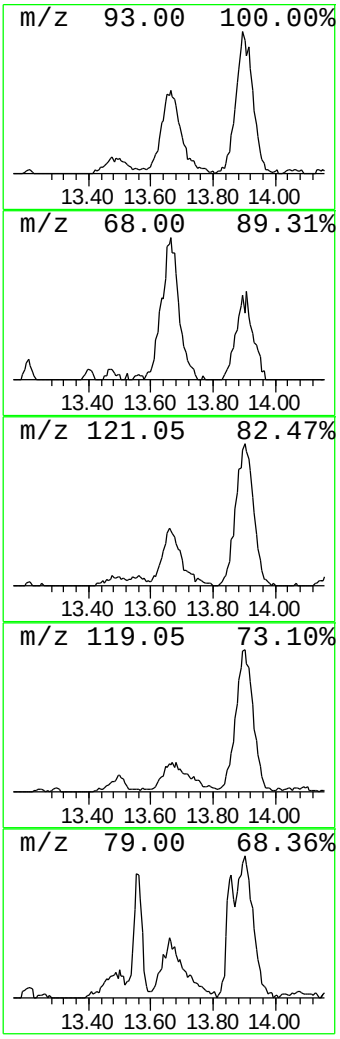
****

Peak Number 7 cis-.alpha.-Bisabolene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.66	3.53 ug/L	132096	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-.alpha.-Bisabolene	204	C15H24	029837-07-8	53
2	Cyclohexene, 1-methyl-5-(1-methy...	136	C10H16	013898-73-2	45
3	trans-.alpha.-Bergamotene	204	C15H24	013474-59-4	43
4	1,4-Pentadiene	68	C5H8	000591-93-5	43
5	Cyclohexanemethanol, 4-methylene-	126	C8H14O	001004-24-6	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072420\
Data File : VW015942.D
Acq On : 24 Jul 2020 12:04
Operator : SY/VA
Sample : L3388-12
Misc : 5.35G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AD8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

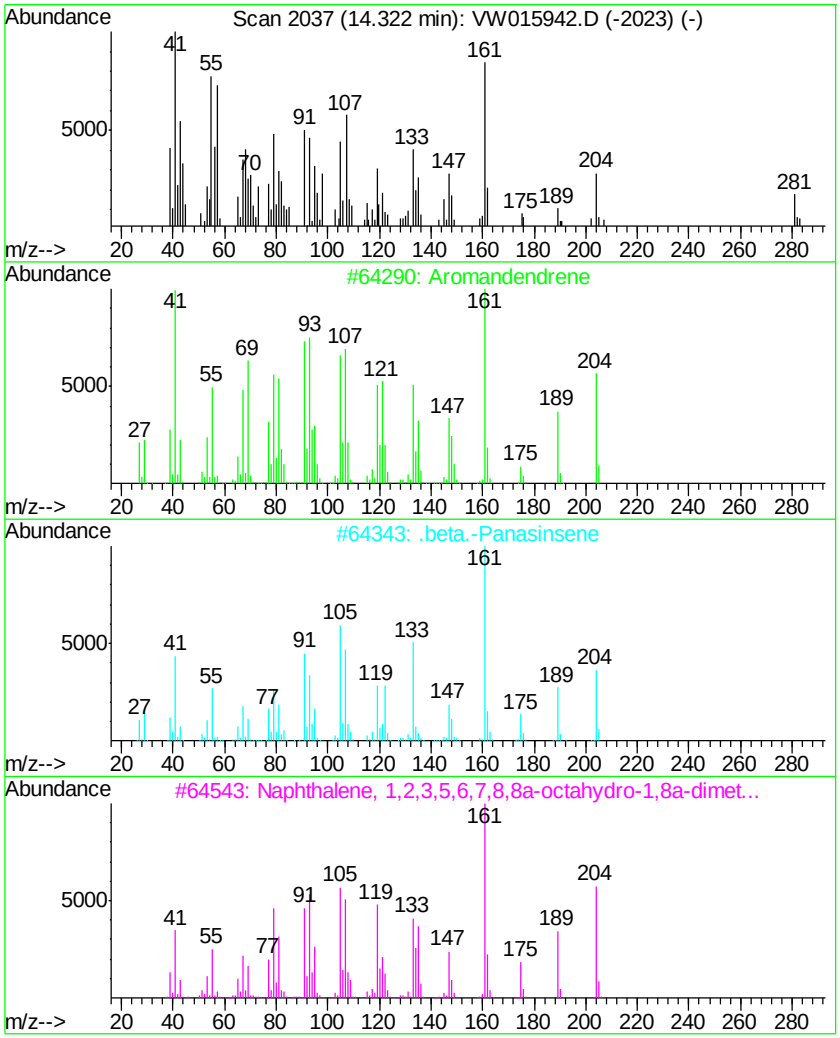
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

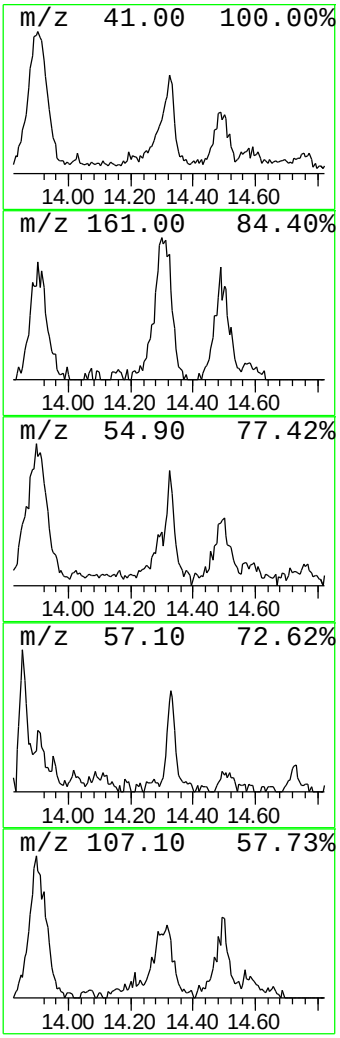
****

Peak Number 8 Aromandendrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.32	2.96 ug/L	110674	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Aromandendrene	204	C15H24	000489-39-4	90
2	.beta.-Panasinsene	204	C15H24	1000159-39-0	89
3	Naphthalene, 1,2,3,5,6,7,8,8a-oc...	204	C15H24	004630-07-3	87
4	Aromandendrene	204	C15H24	000489-39-4	83
5	Naphthalene, 1,2,3,5,6,7,8,8a-oc...	204	C15H24	004630-07-3	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072420\
Data File : VW015942.D
Acq On : 24 Jul 2020 12:04
Operator : SY/VA
Sample : L3388-12
Misc : 5.35G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AD8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

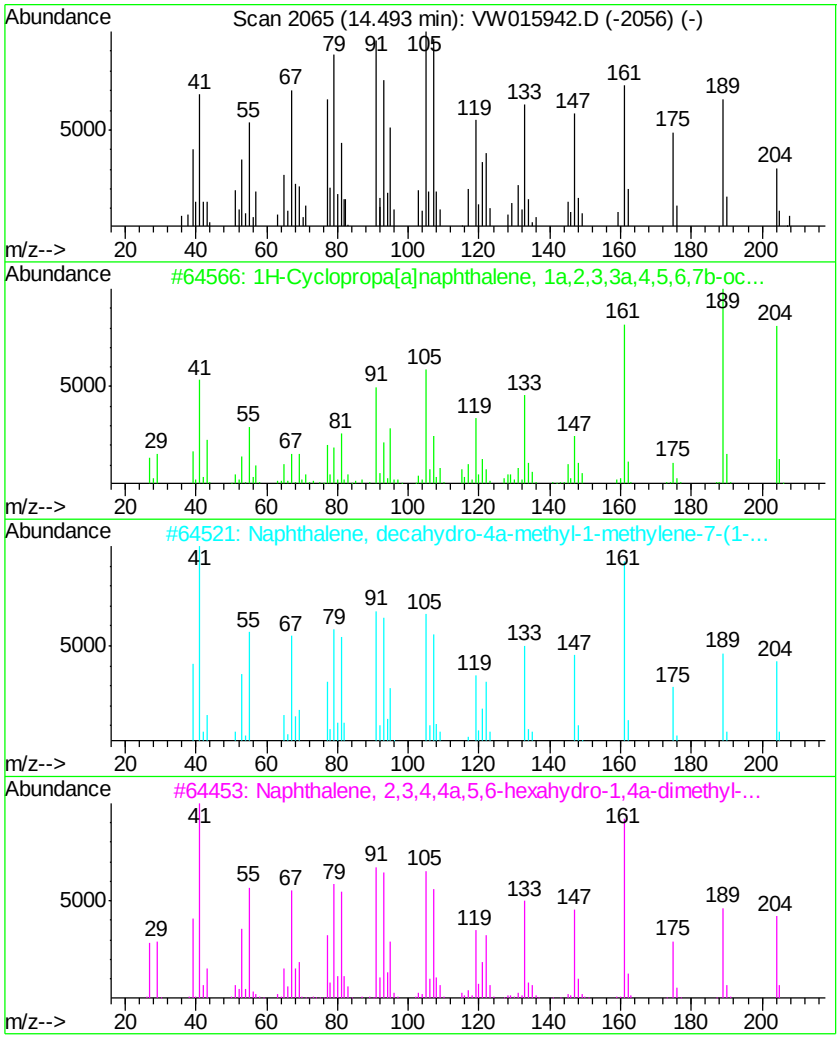
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

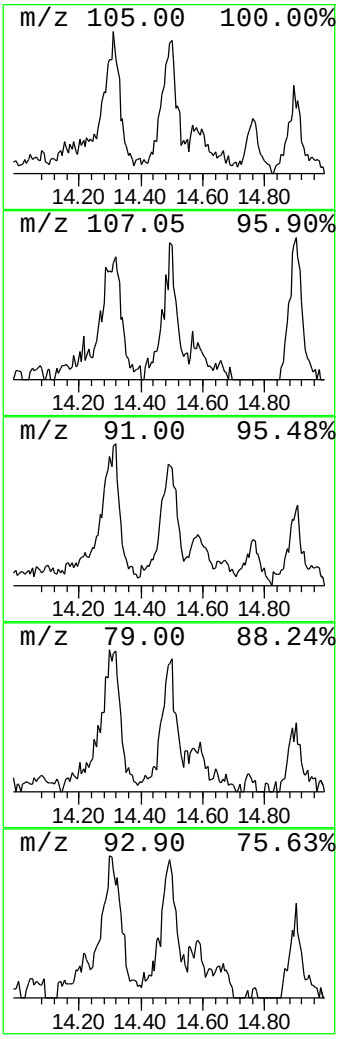
****

Peak Number 9 1H-Cyclopropa[a]naphthalene... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.49	1.49 ug/L	55683	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[a]naphthalene, 1a,...	204	C15H24	000489-29-2	95
2	Naphthalene, decahydro-4a-methyl...	204	C15H24	017066-67-0	93
3	Naphthalene, 2,3,4,4a,5,6-hexahy...	204	C15H24	000473-14-3	90
4	Alloaromadendrene	204	C15H24	025246-27-9	86
5	Azulene, 1,2,3,3a,4,5,6,7-octahy...	204	C15H24	022567-17-5	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072420\
Data File : VW015942.D
Acq On : 24 Jul 2020 12:04
Operator : SY/VA
Sample : L3388-12
Misc : 5.35G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AD8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.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
Longifolene	12.36	26.1	ug/L	1208580	2	11.63	1157250	25.0
unknown-01	13.04	1.6	ug/L	60440	3	13.56	934820	25.0
cis-.alpha.-Bisab...	13.66	3.5	ug/L	132096	3	13.56	934820	25.0
Aromandendrene	14.32	3.0	ug/L	110674	3	13.56	934820	25.0
1H-Cyclopropa[a]n...	14.49	1.5	ug/L	55683	3	13.56	934820	25.0