LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071918\
Data File : VW004058.D
Acq On : 20 Jul 2018 02:08
Operator : VA/AP
Sample : J4023-09
Misc : 5.40G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1L0

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\SOM2WLM071818S.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	1.666	11	13	16	rBV3	443	443	0.00%	0.002%
2	1.746	18	26	27	rBV	12976	19821	0.18%	0.109%
3	1.807	28	36	58	rVB	5139412	10886074	100.00%	59.757%
4	2.349	119	125	136	rVB	60430	109509	1.01%	0.601%
5	2.892	208	214	225	rVB	34595	84261	0.77%	0.463%
6	3.379	289	294	303	rVB2	11646	24006	0.22%	0.132%
7	4.007	387	397	410	rBV	98520	285202	2.62%	1.566%
8	4.324	447	449	451	rBV	337	327	0.00%	0.002%
9	4.526	480	482	484	rBV2	257	224	0.00%	0.001%
10	4.605	489	495	496	rBV3	991	1593	0.01%	0.009%
11	4.776	520	523	525	rBV2	353	393	0.00%	0.002%
12	4.910	535	545	557	rBV	14368	46646	0.43%	0.256%
13	5.263	602	603	606	rBV2	361	273	0.00%	0.001%
14	5.294	606	608	611	rBV2	230	256	0.00%	0.001%
15	5.574	653	654	657	rVB3	274	244	0.00%	0.001%
16	5.769	680	686	687	rBV3	604	900	0.01%	0.005%
17	5.873	697	703	704	rBV2	282	412	0.00%	0.002%
18	5.940	704	714	723	rVB4	4737	14457	0.13%	0.079%
19	6.013	723	726	730	rBV2	429	537	0.00%	0.003%
20	6.129	739	745	746	rBV2	480	478	0.00%	0.003%
21	6.409	789	791	795	rVV	225	265	0.00%	0.001%
22	6.568	813	817	819	rBV2	365	455	0.00%	0.002%
23	6.708	837	840	841	rVV	404	358	0.00%	0.002%
24	6.922	873	875	878	rBV2	310	322	0.00%	0.002%
25	7.080	892	901	909	rBV	26080	77444	0.71%	0.425%
26	7.324	938	941	943	rBV2	215	304	0.00%	0.002%
27	7.342	943	944	946	rVB	556	234	0.00%	0.001%
28	7.434	953	959	960	rBV3	1127	1848	0.02%	0.010%
29	7.647	984	994	1008	rBV	169171	416070	3.82%	2.284%
30	7.824	1022	1023	1027	rVB2	309	314	0.00%	0.002%
31	7.866	1027	1030	1031	rBV3	307	313	0.00%	0.002%
32	7.903	1034	1036	1038	rBV2	245	251	0.00%	0.001%
33	7.921	1038	1039	1041	rBV	310	244	0.00%	0.001%
34	7.988	1048	1050	1053	rBV2	395	452	0.00%	0.002%

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Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
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Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Title : VOC Analysis

35	8.275	1088	1097	1114	rVV2	295841	923627	8.48%	5.070%
36	8.397	1115	1117	1125	rVB5	922	1637	0.02%	0.009%
37	8.537	1138	1140	1143	rVB2	236	284	0.00%	0.002%
38	8.580	1143	1147	1151	rVB3	634	786	0.01%	0.004%
39	8.708	1162	1168	1178	rVB	3679	8441	0.08%	0.046%
40	8.848	1182	1191	1200	rBV	328973	645234	5.93%	3.542%
41	9.037	1219	1222	1227	rBV4	1413	2742	0.03%	0.015%
42	9.220	1248	1252	1253	rBV2	164	223	0.00%	0.001%
43	9.281	1253	1262	1278	rVV	232082	476058	4.37%	2.613%
44	9.519	1299	1301	1303	rVB2	335	255	0.00%	0.001%
45	9.659	1316	1324	1331	rVB7	1509	3333	0.03%	0.018%
46	9.762	1335	1341	1349	rVB2	3501	7342	0.07%	0.040%
47	9.830	1349	1352	1353	rBV	237	220	0.00%	0.001%
48	9.897	1356	1363	1370	rVB2	6538	13857	0.13%	0.076%
49	10.037	1379	1386	1394	rBV	64961	118066	1.08%	0.648%
50	10.128	1399	1401	1402	rBV2	782	840	0.01%	0.005%
51	10.214	1413	1415	1418	rVV3	666	636	0.01%	0.003%
52	10.256	1418	1422	1425	rVV3	1837	3271	0.03%	0.018%
53	10.329	1426	1434	1442	rVV	361570	644695	5.92%	3.539%
54	10.433	1446	1451	1458	rVB2	13561	22599	0.21%	0.124%
55	10.512	1458	1464	1469	rBV4	2224	5330	0.05%	0.029%
56	10.579	1469	1475	1482	rVB	53849	94531	0.87%	0.519%
57	10.714	1493	1497	1502	rVB2	1540	2435	0.02%	0.013%
58	10.842	1516	1518	1523	rVB3	316	527	0.00%	0.003%
59	10.933	1526	1533	1545	rBV	94127	182732	1.68%	1.003%
60	11.031	1545	1549	1554	rBV2	9893	15719	0.14%	0.086%
61	11.171	1570	1572	1576	rBV2	399	468	0.00%	0.003%
62	11.226	1580	1581	1584	rBV2	355	305	0.00%	0.002%
63	11.274	1587	1589	1591	rVB	302	241	0.00%	0.001%
64	11.634	1641	1648	1657	rVB	426460	714695	6.57%	3.923%
65	11.793	1670	1674	1677	rVV3	404	535	0.00%	0.003%
66	11.841	1679	1682	1688	rVV3	1149	1983	0.02%	0.011%
67	12.018	1709	1711	1712	rBV	343	273	0.00%	0.001%
68	12.079	1719	1721	1722	rBV2	345	273	0.00%	0.001%
69	12.189	1722	1739	1746	rBV2	51857	133267	1.22%	0.732%
70	12.372	1764	1769	1776	rVB3	6791	11912	0.11%	0.065%
71	12.482	1779	1787	1796	rBV	371745	618628	5.68%	3.396%

LSC Area Percent Report

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Operator : VA/AP
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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1L0

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 >
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Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Title : VOC Analysis

72	12.701	1817	1823	1838	rVB	205484	403948	3.71%	2.217%
73	12.878	1849	1852	1854	rBV3	551	593	0.01%	0.003%
74	12.939	1859	1862	1864	rVV2	1493	1856	0.02%	0.010%
75	12.963	1864	1866	1871	rVV3	2206	2676	0.02%	0.015%
76	13.030	1872	1877	1883	rVB3	6552	11323	0.10%	0.062%
77	13.122	1889	1892	1897	rVB3	1012	1810	0.02%	0.010%
78	13.164	1897	1899	1900	rBV	352	235	0.00%	0.001%
79	13.219	1902	1908	1917	rBV	27255	45596	0.42%	0.250%
80	13.292	1917	1920	1926	rVV2	6601	9896	0.09%	0.054%
81	13.378	1930	1934	1936	rVB4	732	1024	0.01%	0.006%
82	13.481	1944	1951	1958	rBV5	20284	44845	0.41%	0.246%
83	13.567	1958	1965	1974	rVV	341566	547955	5.03%	3.008%
84	13.658	1976	1980	1985	rVV4	2696	4438	0.04%	0.024%
85	13.719	1987	1990	1997	rVB4	2776	4622	0.04%	0.025%
86	13.859	2006	2013	2024	rVB	273917	456812	4.20%	2.508%
87	14.006	2033	2037	2044	rBV6	2038	3832	0.04%	0.021%
88	14.079	2045	2049	2056	rVB2	3552	5597	0.05%	0.031%
89	14.237	2073	2075	2077	rBV2	412	269	0.00%	0.001%
90	14.292	2082	2084	2085	rBV2	384	318	0.00%	0.002%
91	14.310	2085	2087	2089	rBV3	1000	838	0.01%	0.005%
92	14.597	2133	2134	2138	rBV3	392	520	0.00%	0.003%
93	14.737	2153	2157	2165	rVB6	3080	3905	0.04%	0.021%
94	15.079	2208	2213	2219	rBV4	10639	19690	0.18%	0.108%
95	15.219	2232	2236	2240	rVB3	5708	8873	0.08%	0.049%
96	15.475	2276	2278	2280	rBV2	418	351	0.00%	0.002%
97	15.700	2312	2315	2316	rBV2	463	519	0.00%	0.003%
98	16.164	2389	2391	2393	rBV2	562	337	0.00%	0.002%
99	16.280	2408	2410	2413	rBV3	579	754	0.01%	0.004%
100	16.670	2471	2474	2475	rBV2	714	827	0.01%	0.005%

Sum of corrected areas: 18217189

LSC Report - Integrated Chromatogram

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Acq On : 20 Jul 2018 02:08
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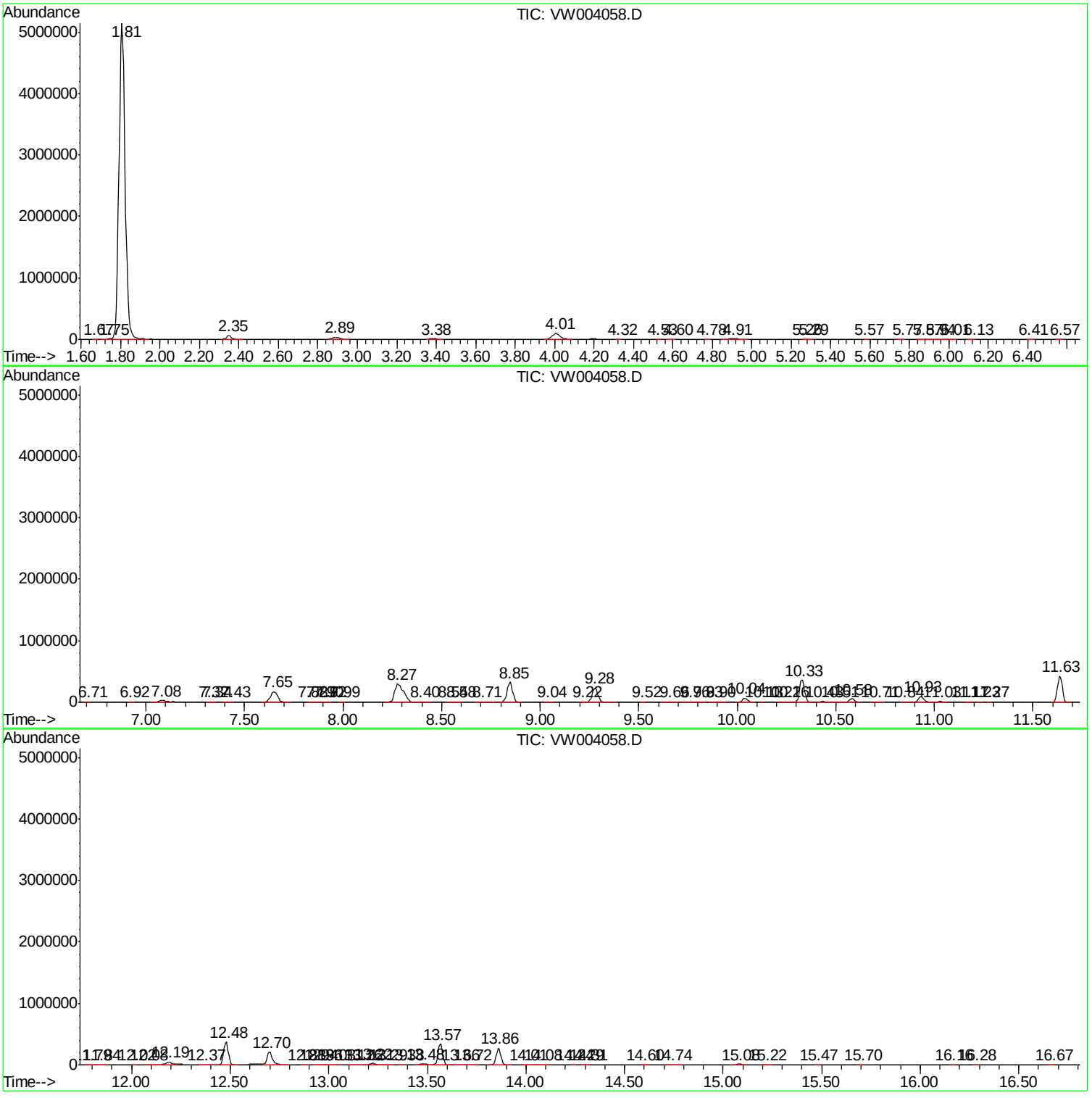
Sample : J4023-09
Misc : 5.40G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1L0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.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\VW071918\
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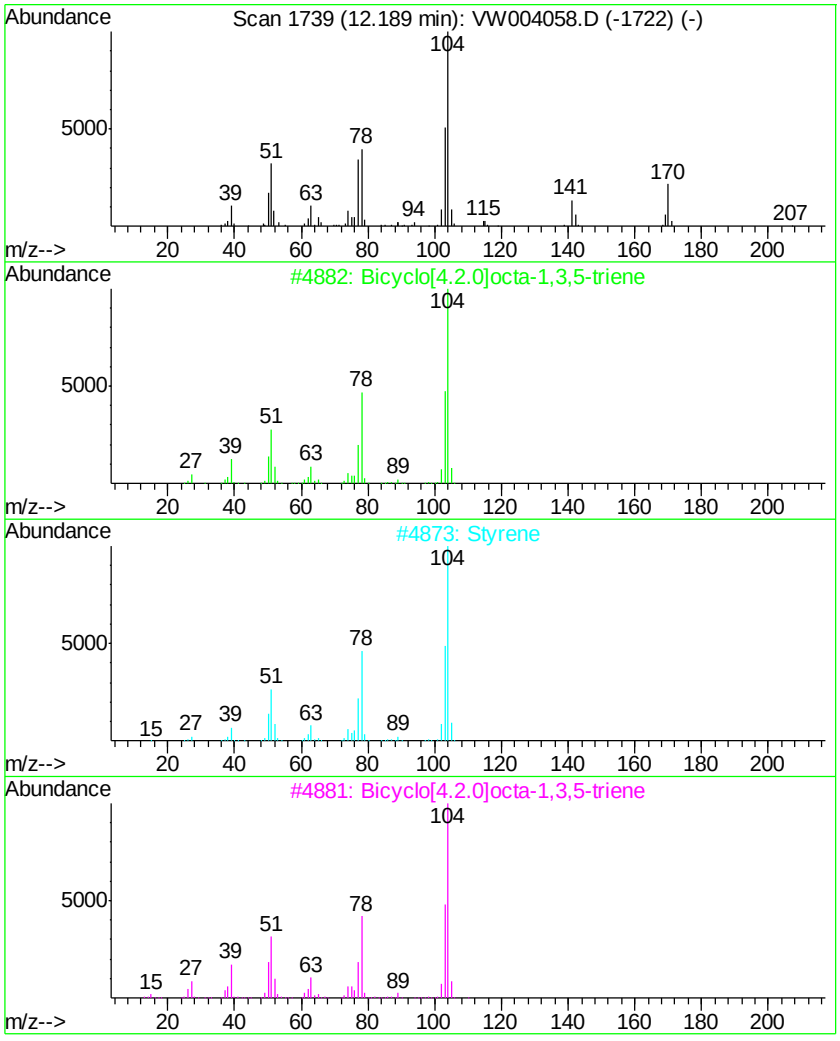
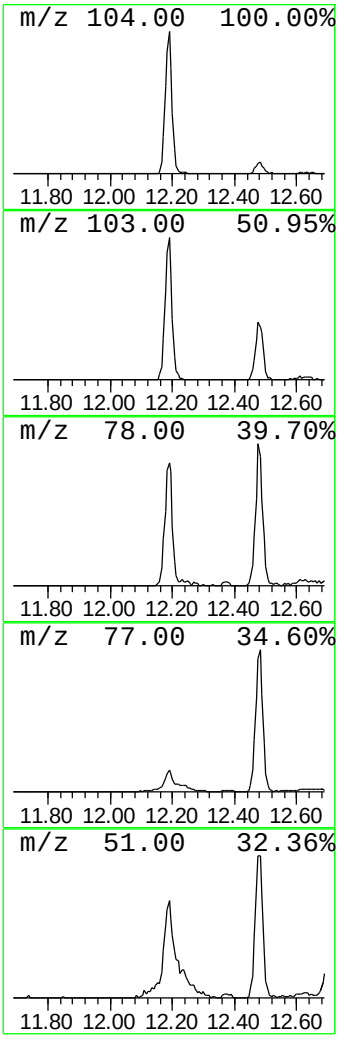
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	4.66 ug/L	133267	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.2.0]octa-1,3,5-triene	104	C8H8	000694-87-1	94
2	Styrene	104	C8H8	000100-42-5	94
3	Bicyclo[4.2.0]octa-1,3,5-triene	104	C8H8	000694-87-1	90
4	1,3,5,7-Cyclooctatetraene	104	C8H8	000629-20-9	83
5	Styrene	104	C8H8	000100-42-5	81





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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis

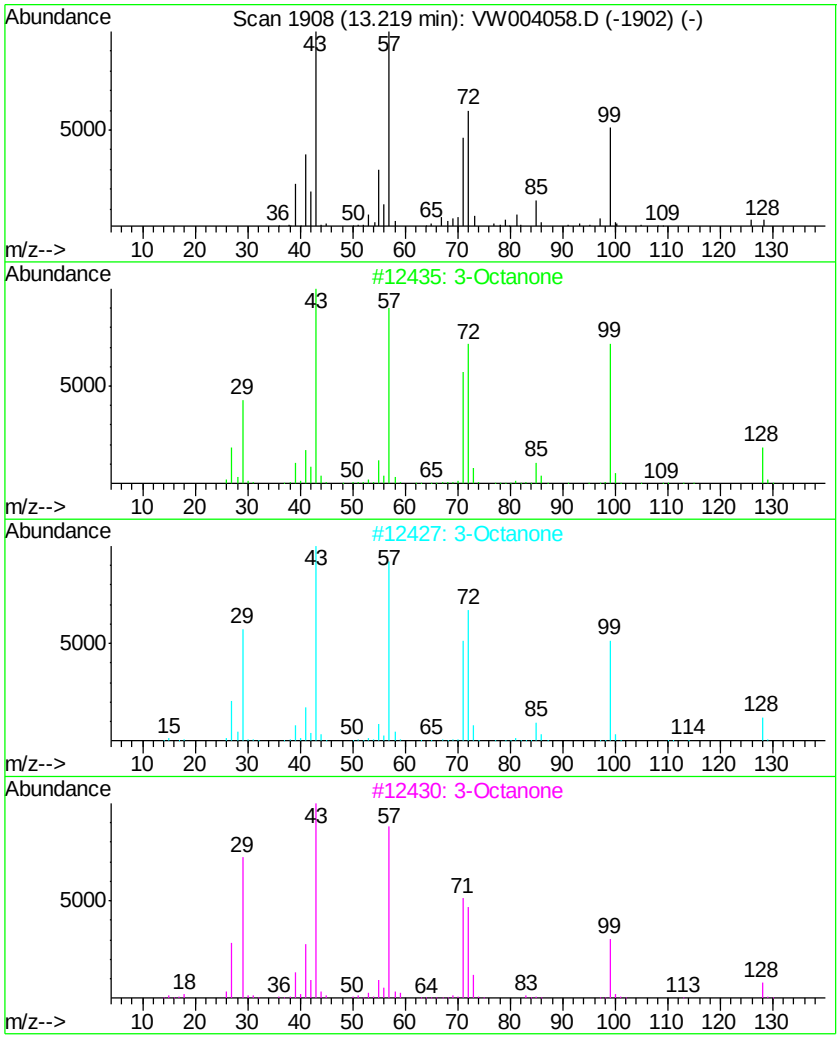
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

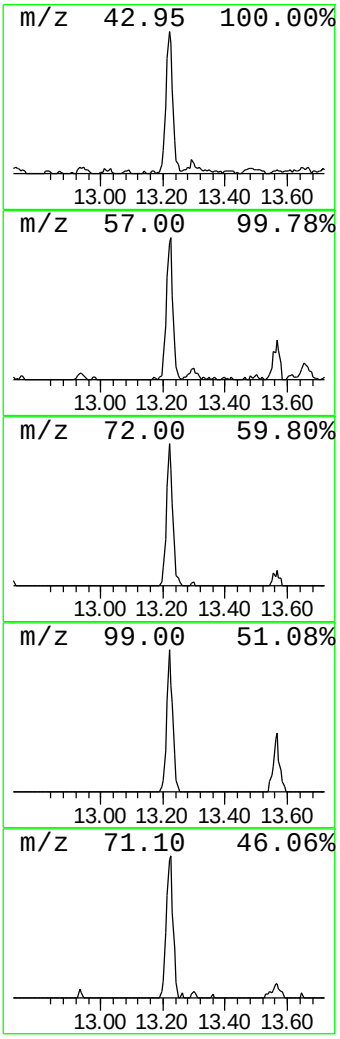
****

Peak Number 5 3-Octanone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	2.08 ug/L	45596	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Octanone	128	C8H16O	000106-68-3	91
2	3-Octanone	128	C8H16O	000106-68-3	64
3	3-Octanone	128	C8H16O	000106-68-3	47
4	Butanal, 2-ethyl-	100	C6H12O	000097-96-1	43
5	Butanal, 2-ethyl-	100	C6H12O	000097-96-1	43





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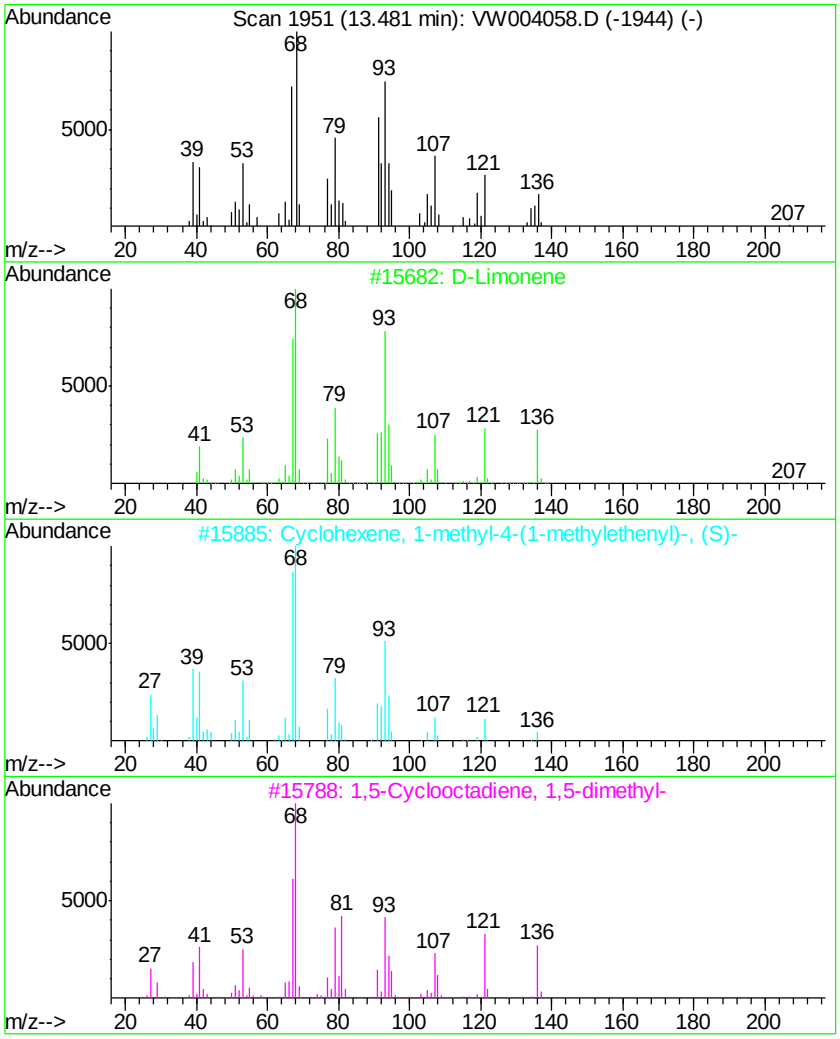
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

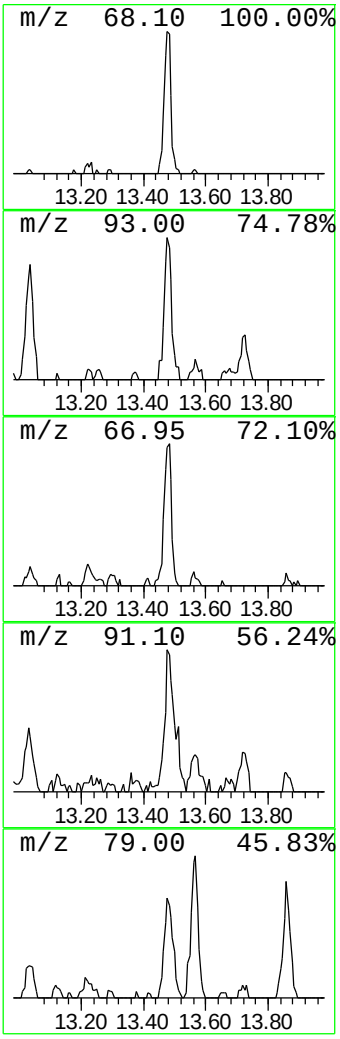
****

Peak Number 6 D-Limonene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	2.05 ug/L	44845	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Limonene	136	C10H16	005989-27-5	95
2	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	005989-54-8	93
3	1,5-Cyclooctadiene, 1,5-dimethyl-	136	C10H16	003760-14-3	90
4	Limonene	136	C10H16	000138-86-3	87
5	D-Limonene	136	C10H16	005989-27-5	87





Tentatively Identified Compound (LSC) summary

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Quant Title : VOC Analysis

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TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Bicyclo[4.2.0]oct...	12.19	4.7	ug/L	133267	2	11.63	714695	25.0
3-Octanone	13.22	2.1	ug/L	45596	3	13.57	547955	25.0
D-Limonene	13.48	2.0	ug/L	44845	3	13.57	547955	25.0