LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071918\
Data File : VW004054.D
Acq On : 20 Jul 2018 00:25
Operator : VA/AP
Sample : J4023-05
Misc : 7.34G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1K6

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	12	13	18	rVB2	253	274	0.01%	0.002%
2	1.752	18	27	28	rBV	9792	19453	0.50%	0.177%
3	1.807	28	36	56	rVB	1723641	3922088	100.00%	35.634%
4	2.160	89	94	100	rBV6	3322	7924	0.20%	0.072%
5	2.349	120	125	133	rVB	58334	102308	2.61%	0.930%
6	2.892	208	214	225	rVB	35746	88548	2.26%	0.805%
7	4.007	386	397	409	rBV	99605	293188	7.48%	2.664%
8	4.373	446	457	470	rBV3	5229	18347	0.47%	0.167%
9	4.617	493	497	500	rVB2	521	586	0.01%	0.005%
10	4.910	534	545	559	rVV4	13402	47377	1.21%	0.430%
11	5.141	580	583	584	rBV	321	312	0.01%	0.003%
12	5.282	603	606	607	rBV3	321	343	0.01%	0.003%
13	5.428	628	630	631	rVV2	596	403	0.01%	0.004%
14	5.446	631	633	635	rVB2	572	450	0.01%	0.004%
15	5.471	635	637	640	rBV2	300	327	0.01%	0.003%
16	5.666	665	669	671	rBV2	257	334	0.01%	0.003%
17	5.775	682	687	691	rBV5	737	1568	0.04%	0.014%
18	5.934	704	713	714	rBV3	3181	6223	0.16%	0.057%
19	6.111	738	742	745	rBV5	484	856	0.02%	0.008%
20	6.294	770	772	777	rVB3	365	557	0.01%	0.005%
21	6.586	817	820	824	rBV2	379	499	0.01%	0.005%
22	7.086	892	902	911	rBV	34298	100515	2.56%	0.913%
23	7.300	936	937	943	rVB2	442	491	0.01%	0.004%
24	7.409	950	955	958	rBV3	208	394	0.01%	0.004%
25	7.531	971	975	978	rBV4	1010	1594	0.04%	0.014%
26	7.647	984	994	1005	rBV	179430	430474	10.98%	3.911%
27	7.812	1017	1021	1024	rBV3	234	303	0.01%	0.003%
28	7.903	1033	1036	1037	rBV2	495	441	0.01%	0.004%
29	8.037	1056	1058	1061	rBV	276	290	0.01%	0.003%
30	8.110	1065	1070	1073	rVB4	293	460	0.01%	0.004%
31	8.159	1073	1078	1081	rBV3	559	912	0.02%	0.008%
32	8.184	1081	1082	1085	rVB2	349	281	0.01%	0.003%
33	8.281	1088	1098	1113	rBV2	307449	949521	24.21%	8.627%
34	8.403	1116	1118	1125	rVB5	961	1495	0.04%	0.014%

LSC Area Percent Report

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Instrument : MSVOA_W
ClientSampleId : DB1K6

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

35	8.452	1125	1126	1129	rBV2	361	406	0.01%	0.004%
36	8.482	1129	1131	1134	rVB2	505	578	0.01%	0.005%
37	8.513	1134	1136	1138	rBV2	441	531	0.01%	0.005%
38	8.555	1140	1143	1150	rVB5	1396	2829	0.07%	0.026%
39	8.702	1160	1167	1174	rBV6	2097	4969	0.13%	0.045%
40	8.848	1182	1191	1202	rBV	354444	694373	17.70%	6.309%
41	8.988	1210	1214	1216	rBV2	267	397	0.01%	0.004%
42	9.043	1220	1223	1225	rBV3	920	1107	0.03%	0.010%
43	9.129	1236	1237	1241	rVB2	380	335	0.01%	0.003%
44	9.281	1251	1262	1279	rBV	239226	496297	12.65%	4.509%
45	9.671	1320	1326	1329	rVB4	1369	2248	0.06%	0.020%
46	9.763	1336	1341	1348	rVB4	2782	5314	0.14%	0.048%
47	9.897	1356	1363	1370	rBV3	4776	10132	0.26%	0.092%
48	9.964	1372	1374	1377	rVB3	550	578	0.01%	0.005%
49	10.037	1379	1386	1394	rBV	103912	187594	4.78%	1.704%
50	10.244	1415	1420	1426	rBV6	1473	2995	0.08%	0.027%
51	10.330	1426	1434	1441	rBV	393313	694046	17.70%	6.306%
52	10.506	1458	1463	1468	rBV4	3378	6246	0.16%	0.057%
53	10.579	1468	1475	1484	rBV	73221	127329	3.25%	1.157%
54	10.701	1492	1495	1501	rVB3	1730	3287	0.08%	0.030%
55	10.762	1503	1505	1506	rBV2	439	337	0.01%	0.003%
56	10.823	1513	1515	1517	rBV2	372	335	0.01%	0.003%
57	10.842	1517	1518	1520	rVV2	470	365	0.01%	0.003%
58	10.866	1520	1522	1525	rVB2	589	587	0.01%	0.005%
59	10.933	1525	1533	1547	rBV	130317	235664	6.01%	2.141%
60	11.177	1571	1573	1576	rVV3	658	684	0.02%	0.006%
61	11.415	1607	1612	1613	rBV	333	411	0.01%	0.004%
62	11.451	1613	1618	1620	rBV3	739	1061	0.03%	0.010%
63	11.543	1631	1633	1637	rVB4	384	349	0.01%	0.003%
64	11.634	1640	1648	1656	rBV	477913	799718	20.39%	7.266%
65	11.720	1657	1662	1670	rVB2	6688	15920	0.41%	0.145%
66	11.841	1679	1682	1694	rVB6	3973	8084	0.21%	0.073%
67	12.000	1706	1708	1709	rBV	387	331	0.01%	0.003%
68	12.091	1720	1723	1724	rBV	350	329	0.01%	0.003%
69	12.122	1726	1728	1729	rVV	584	475	0.01%	0.004%
70	12.171	1732	1736	1743	rVB4	2729	4949	0.13%	0.045%
71	12.286	1754	1755	1758	rBV3	600	373	0.01%	0.003%

LSC Area Percent Report

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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1K6

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

72	12.378	1761	1770	1775	rBV7	2673	6443	0.16%	0.059%
73	12.482	1781	1787	1791	rVB3	6890	11793	0.30%	0.107%
74	12.524	1792	1794	1796	rVV2	923	828	0.02%	0.008%
75	12.567	1797	1801	1806	rVV6	2036	4289	0.11%	0.039%
76	12.616	1806	1809	1813	rVV3	2207	3581	0.09%	0.033%
77	12.652	1813	1815	1816	rVV2	1468	1313	0.03%	0.012%
78	12.701	1816	1823	1834	rVB	189953	337318	8.60%	3.065%
79	12.945	1855	1863	1874	rBV7	5103	13423	0.34%	0.122%
80	13.042	1874	1879	1884	rVB7	1961	3145	0.08%	0.029%
81	13.091	1884	1887	1888	rBV	975	1033	0.03%	0.009%
82	13.183	1900	1902	1904	rBV3	593	599	0.02%	0.005%
83	13.219	1904	1908	1911	rVV4	2627	4182	0.11%	0.038%
84	13.256	1911	1914	1921	rVB4	3543	5651	0.14%	0.051%
85	13.366	1928	1932	1934	rBV3	709	964	0.02%	0.009%
86	13.457	1941	1947	1951	rBV3	17577	30804	0.79%	0.280%
87	13.506	1951	1955	1959	rVV	38892	59995	1.53%	0.545%
88	13.567	1959	1965	1974	rVB	358764	581784	14.83%	5.286%
89	13.811	2000	2005	2006	rBV4	3923	5964	0.15%	0.054%
90	13.859	2007	2013	2024	rVB	291071	488946	12.47%	4.442%
91	13.963	2026	2030	2032	rVB4	859	1156	0.03%	0.011%
92	14.335	2083	2091	2098	rBV7	2555	6114	0.16%	0.056%
93	14.396	2098	2101	2103	rBV2	692	930	0.02%	0.008%
94	14.621	2136	2138	2140	rBV2	732	965	0.02%	0.009%
95	14.737	2153	2157	2162	rVB3	1916	2987	0.08%	0.027%
96	14.798	2162	2167	2171	rBV3	1622	2594	0.07%	0.024%
97	15.188	2228	2231	2234	rBV4	1052	1525	0.04%	0.014%
98	15.377	2255	2262	2271	rBV	41809	74040	1.89%	0.673%
99	15.572	2290	2294	2297	rVB5	863	1228	0.03%	0.011%
100	16.658	2464	2472	2483	rBV	20117	42165	1.08%	0.383%

Sum of corrected areas: 11006458

LSC Report - Integrated Chromatogram

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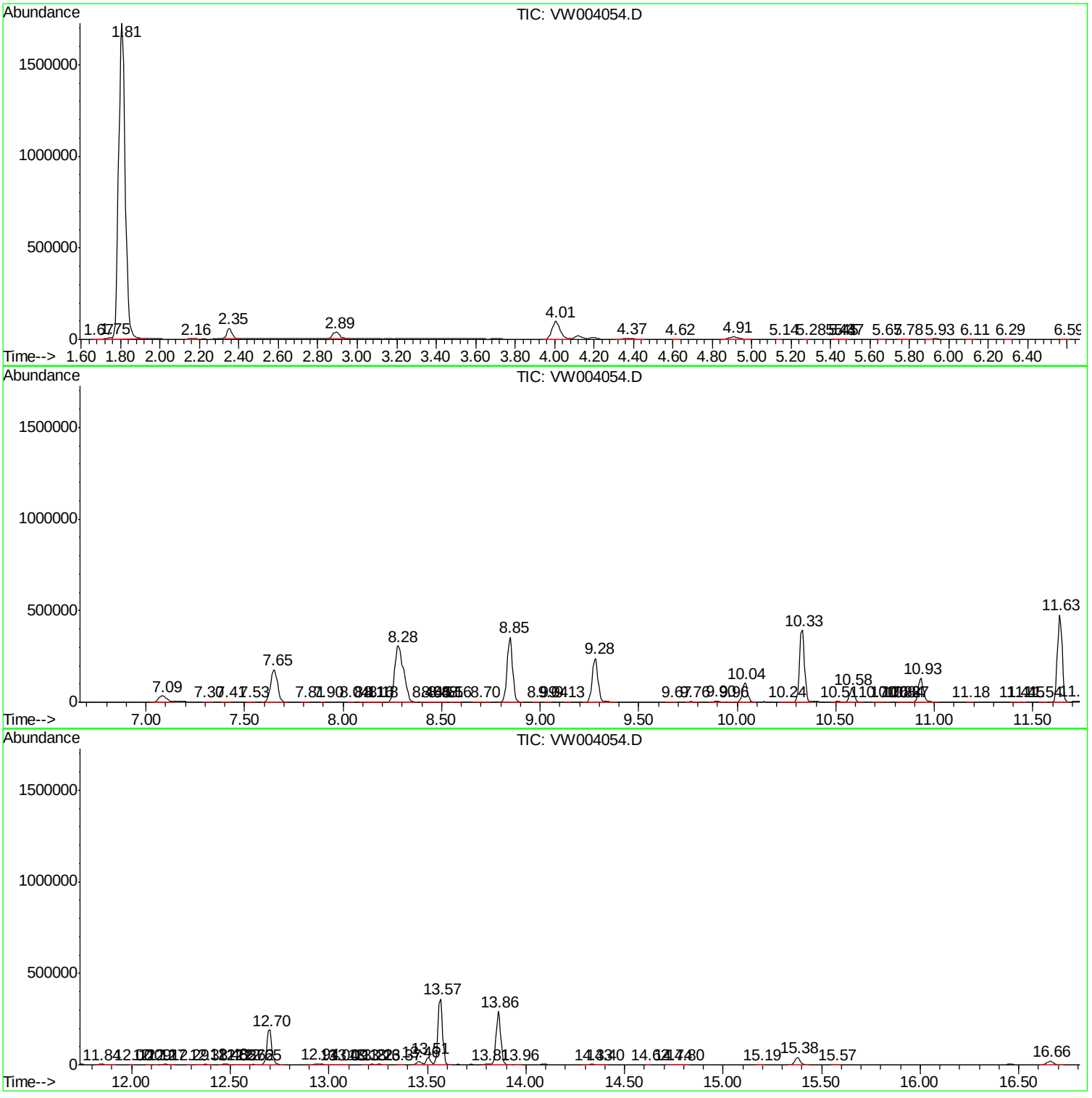
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1K6

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



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Quant Title : VOC Analysis

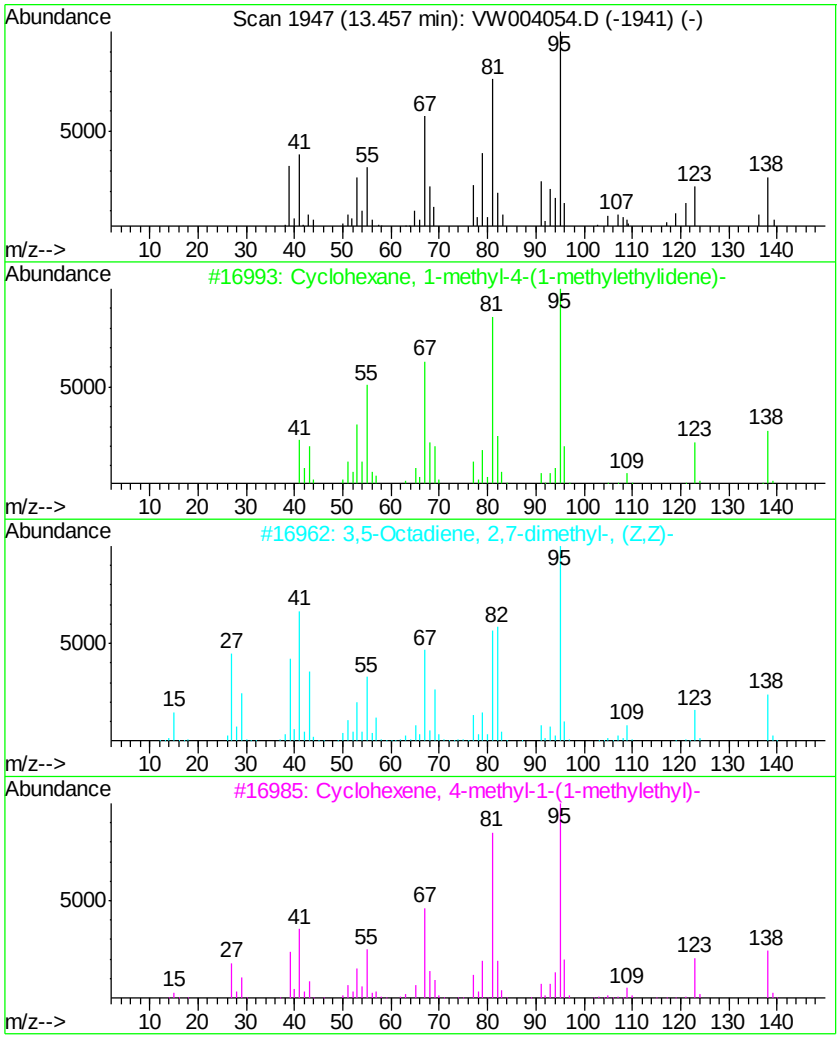
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

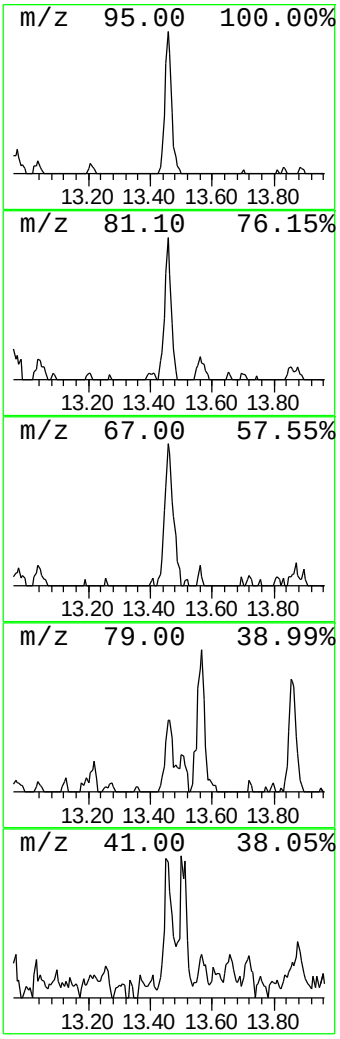
****

Peak Number 4 Cyclohexane, 1-methyl-4-(1-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.46	1.32 ug/L	30804	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-27-2	94
2	3,5-Octadiene, 2,7-dimethyl-, (Z...	138	C10H18	028980-73-6	87
3	Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	87
4	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	002778-68-9	83
5	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	000554-59-6	83





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Instrument : MSVOA_W
ClientSampleId : DB1K6

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

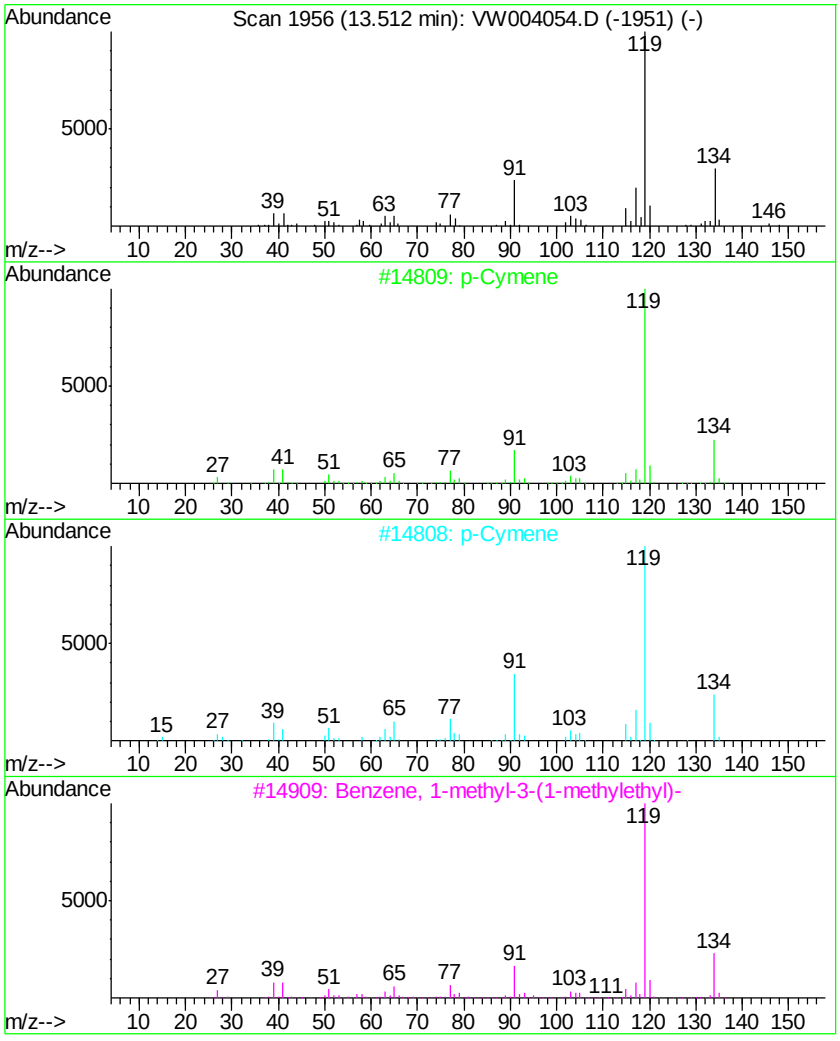
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

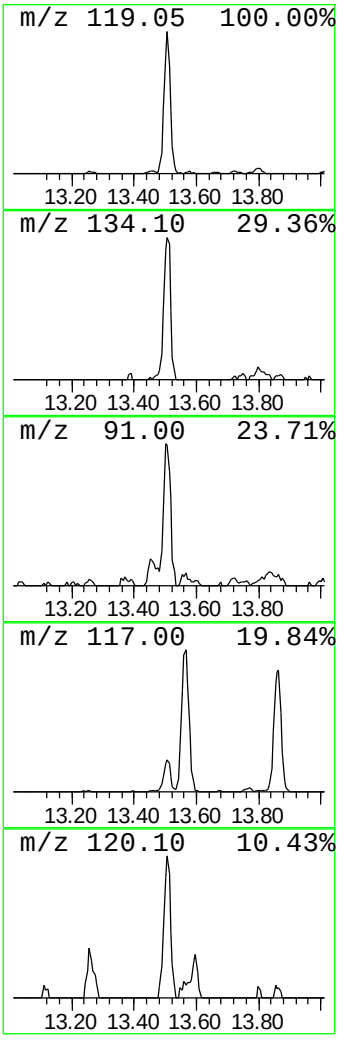
****

Peak Number 5 p-Cymene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	2.58 ug/L	59995	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	91
2	p-Cymene	134	C10H14	000099-87-6	91
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91
5	o-Cymene	134	C10H14	000527-84-4	91





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

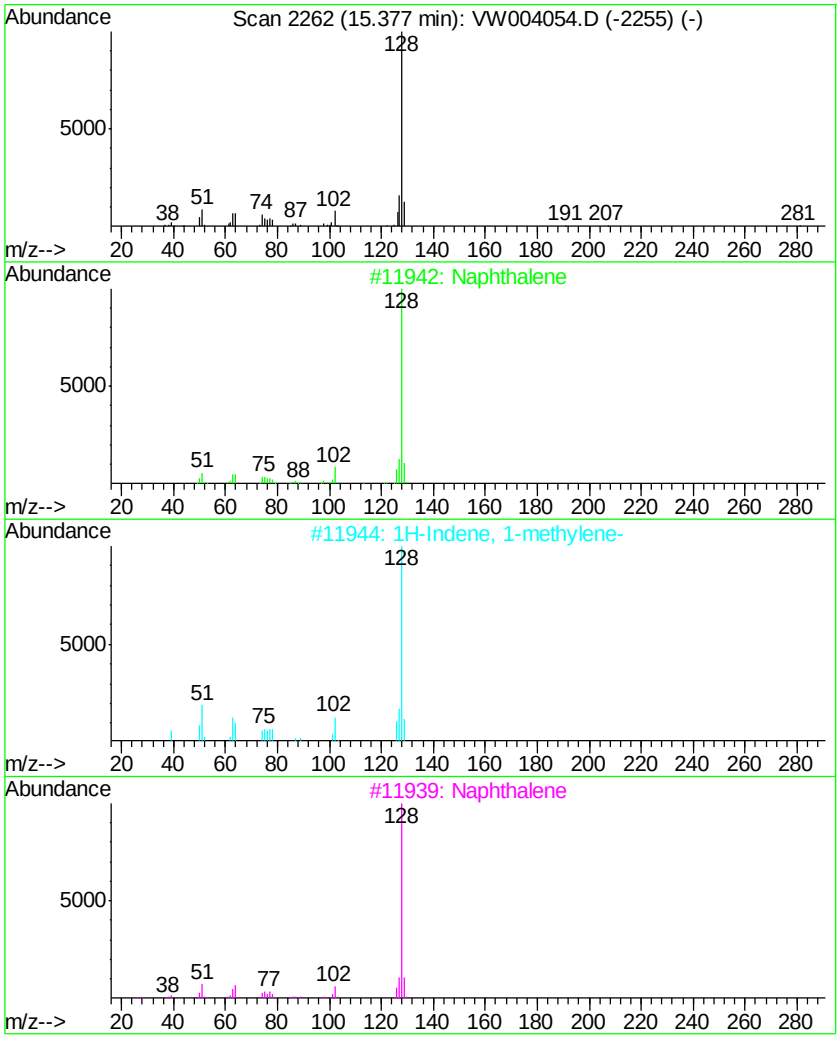
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

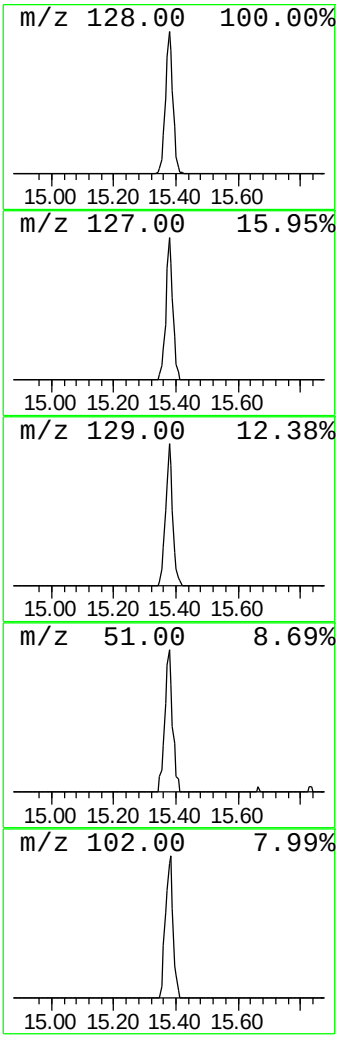
****

Peak Number 6 Azulene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.38	3.18 ug/L	74040	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene	128	C10H8	000091-20-3	95
2	1H-Indene, 1-methylene-	128	C10H8	002471-84-3	95
3	Naphthalene	128	C10H8	000091-20-3	94
4	Azulene	128	C10H8	000275-51-4	94
5	Naphthalene	128	C10H8	000091-20-3	91





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Instrument : MSVOA_W
ClientSampleId : DB1K6

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

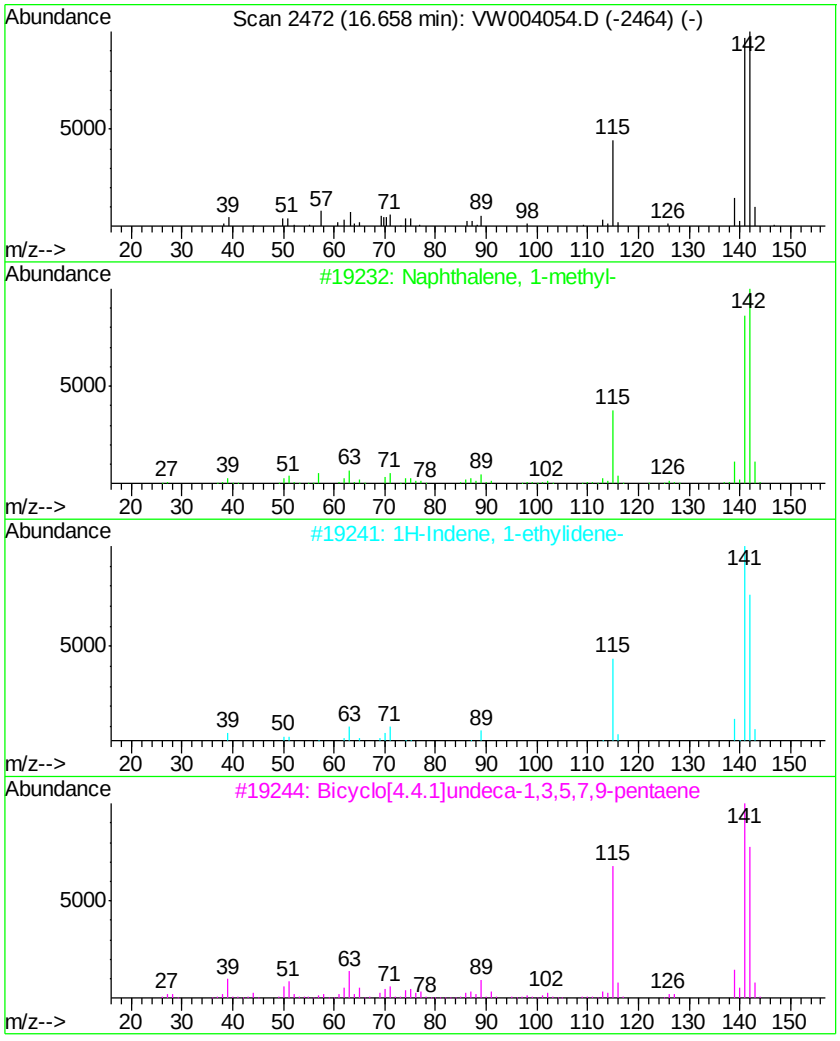
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

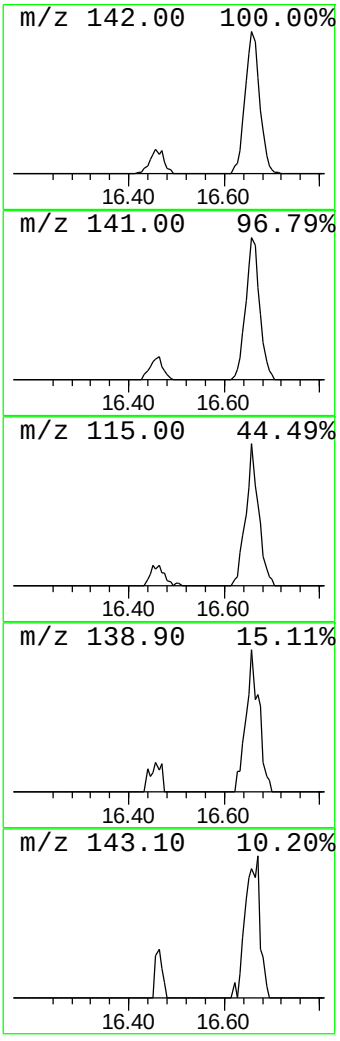
****

Peak Number 7 Naphthalene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.66	1.81 ug/L	42165	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
2	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	91
3	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	90
5	Benzocycloheptatriene	142	C11H10	000264-09-5	90





Tentatively Identified Compound (LSC) summary

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Instrument : MSVOA_W
ClientSampleId : DB1K6

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Cyclohexane, 1-me...	13.46	1.3	ug/L	30804	3	13.57	581784	25.0
p-Cymene	13.51	2.6	ug/L	59995	3	13.57	581784	25.0
Azulene	15.38	3.2	ug/L	74040	3	13.57	581784	25.0
Naphthalene, 1-me...	16.66	1.8	ug/L	42165	3	13.57	581784	25.0