LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072018\
Data File : VW004105.D
Acq On : 21 Jul 2018 05:40
Operator : SY/AP
Sample : J4038-23
Misc : 5.18G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1S5

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	1.752	16	27	28	rBV	10935	21206	0.51%	0.170%
2	1.807	28	36	56	rVB	1849932	4199140	100.00%	33.638%
3	2.172	94	96	100	rVB3	1141	1226	0.03%	0.010%
4	2.215	100	103	105	rBV4	713	846	0.02%	0.007%
5	2.349	115	125	133	rBV	56336	107352	2.56%	0.860%
6	2.617	167	169	177	rBV6	2279	3936	0.09%	0.032%
7	2.892	206	214	226	rBV2	32380	81487	1.94%	0.653%
8	3.379	292	294	301	rVB4	1921	3241	0.08%	0.026%
9	3.587	326	328	331	rBV4	1113	909	0.02%	0.007%
10	3.709	346	348	358	rVB6	3558	8734	0.21%	0.070%
11	4.007	386	397	410	rBV	97116	285834	6.81%	2.290%
12	4.385	451	459	474	rVV	16434	49616	1.18%	0.397%
13	4.910	535	545	554	rBV5	4962	16483	0.39%	0.132%
14	5.934	706	713	721	rBV4	2338	6303	0.15%	0.050%
15	6.909	867	873	875	rBV3	660	929	0.02%	0.007%
16	7.080	891	901	911	rBV	43451	126421	3.01%	1.013%
17	7.263	925	931	938	rVB2	3979	9505	0.23%	0.076%
18	7.543	967	977	984	rBV3	2414	6632	0.16%	0.053%
19	7.653	984	995	1005	rVV	177928	433401	10.32%	3.472%
20	8.281	1088	1098	1113	rBV2	315481	965253	22.99%	7.732%
21	8.409	1117	1119	1122	rVV4	811	796	0.02%	0.006%
22	8.476	1126	1130	1133	rBV3	492	759	0.02%	0.006%
23	8.708	1162	1168	1171	rVB4	681	1253	0.03%	0.010%
24	8.848	1182	1191	1203	rBV	374322	733026	17.46%	5.872%
25	9.037	1217	1222	1226	rBV4	3601	7478	0.18%	0.060%
26	9.281	1253	1262	1276	rVV	246031	505968	12.05%	4.053%
27	9.384	1276	1279	1287	rVB5	2037	3470	0.08%	0.028%
28	9.476	1288	1294	1300	rVB5	1844	4399	0.10%	0.035%
29	9.665	1319	1325	1330	rBV5	1246	2377	0.06%	0.019%
30	9.762	1333	1341	1349	rBV	19429	39522	0.94%	0.317%
31	9.897	1355	1363	1371	rBV2	40355	82152	1.96%	0.658%
32	9.964	1371	1374	1378	rVB3	976	1309	0.03%	0.010%
33	10.043	1378	1387	1394	rBV	116108	215284	5.13%	1.725%
34	10.256	1413	1422	1427	rBV2	11298	22593	0.54%	0.181%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072018\
Data File : VW004105.D
Acq On : 21 Jul 2018 05:40
Operator : SY/AP
Sample : J4038-23
Misc : 5.18G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1S5

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

35	10.329	1427	1434	1442	rBV	421277	732401	17.44%	5.867%
36	10.506	1457	1463	1469	rBV5	4796	9428	0.22%	0.076%
37	10.585	1469	1476	1488	rVB	80624	146868	3.50%	1.177%
38	10.701	1490	1495	1496	rVV2	3003	4192	0.10%	0.034%
39	10.744	1500	1502	1503	rVV2	922	830	0.02%	0.007%
40	10.781	1503	1508	1514	rVB3	5593	9828	0.23%	0.079%
41	10.854	1518	1520	1525	rVB3	953	1354	0.03%	0.011%
42	10.933	1525	1533	1546	rBV	167177	295588	7.04%	2.368%
43	11.037	1548	1550	1551	rVV2	1572	1516	0.04%	0.012%
44	11.079	1553	1557	1566	rVB5	4012	7682	0.18%	0.062%
45	11.280	1586	1590	1594	rBV5	560	1119	0.03%	0.009%
46	11.348	1598	1601	1606	rVV3	832	1074	0.03%	0.009%
47	11.476	1614	1622	1627	rBV2	2975	5343	0.13%	0.043%
48	11.555	1629	1635	1639	rVB5	669	1257	0.03%	0.010%
49	11.634	1639	1648	1657	rBV	559237	964125	22.96%	7.723%
50	11.713	1657	1661	1670	rVB	19099	32104	0.76%	0.257%
51	11.841	1678	1682	1686	rBV3	2347	4460	0.11%	0.036%
52	11.884	1686	1689	1693	rVB3	2019	3002	0.07%	0.024%
53	12.024	1708	1712	1714	rBV3	1007	1315	0.03%	0.011%
54	12.164	1730	1735	1745	rVV2	8715	21081	0.50%	0.169%
55	12.244	1745	1748	1753	rVB3	3202	4543	0.11%	0.036%
56	12.347	1762	1765	1771	rVB2	1046	1801	0.04%	0.014%
57	12.475	1782	1786	1790	rVB5	690	1235	0.03%	0.010%
58	12.567	1794	1801	1805	rBV5	876	2335	0.06%	0.019%
59	12.616	1805	1809	1814	rBV2	7189	10392	0.25%	0.083%
60	12.701	1814	1823	1830	rBV	243216	406611	9.68%	3.257%
61	12.768	1830	1834	1840	rVB5	2903	5545	0.13%	0.044%
62	12.902	1852	1856	1858	rVV5	1545	2340	0.06%	0.019%
63	12.939	1858	1862	1867	rVB3	3345	5009	0.12%	0.040%
64	13.085	1880	1886	1893	rVV7	3834	7308	0.17%	0.059%
65	13.152	1893	1897	1901	rVB3	2198	3545	0.08%	0.028%
66	13.298	1914	1921	1927	rVB5	4910	9762	0.23%	0.078%
67	13.384	1931	1935	1936	rBV2	993	938	0.02%	0.008%
68	13.408	1936	1939	1944	rVB5	1199	1714	0.04%	0.014%
69	13.475	1946	1950	1953	rVV3	2017	3030	0.07%	0.024%
70	13.512	1953	1956	1958	rVV4	2209	3026	0.07%	0.024%
71	13.567	1958	1965	1974	rVV	550881	861088	20.51%	6.898%

LSC Area Percent Report

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Operator : SY/AP
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Misc : 5.18G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1S5

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

72	13.658	1974	1980	1986	rVV	49396	81848	1.95%	0.656%
73	13.707	1986	1988	1995	rVB6	2406	5059	0.12%	0.041%
74	13.859	2006	2013	2020	rBV	459832	745398	17.75%	5.971%
75	13.963	2027	2030	2036	rBV6	1684	3146	0.07%	0.025%
76	14.024	2037	2040	2044	rVV5	2188	3409	0.08%	0.027%
77	14.085	2044	2050	2057	rVB	8445	14357	0.34%	0.115%
78	14.231	2070	2074	2079	rBV3	3277	5027	0.12%	0.040%
79	14.280	2080	2082	2084	rVV3	1311	1299	0.03%	0.010%
80	14.335	2088	2091	2095	rVB5	3345	5108	0.12%	0.041%
81	14.505	2112	2119	2120	rBV5	1485	2949	0.07%	0.024%
82	14.536	2121	2124	2130	rVB4	2356	4542	0.11%	0.036%
83	14.743	2153	2158	2162	rVB7	2460	3782	0.09%	0.030%
84	14.792	2162	2166	2169	rVB5	1115	1718	0.04%	0.014%
85	14.853	2172	2176	2177	rBV3	1587	1997	0.05%	0.016%
86	14.877	2177	2180	2185	rVB6	3415	4625	0.11%	0.037%
87	14.944	2188	2191	2194	rBV2	2188	3031	0.07%	0.024%
88	14.981	2194	2197	2200	rBV3	1852	2782	0.07%	0.022%
89	15.085	2210	2214	2222	rVB5	6671	14677	0.35%	0.118%
90	15.188	2224	2231	2239	rVV5	7608	18952	0.45%	0.152%
91	15.249	2239	2241	2248	rVB3	3640	5516	0.13%	0.044%
92	15.414	2264	2268	2279	rVB7	3711	8582	0.20%	0.069%
93	15.511	2279	2284	2289	rBV7	2402	4782	0.11%	0.038%
94	15.743	2317	2322	2326	rVB5	1921	3405	0.08%	0.027%
95	15.816	2329	2334	2339	rVB7	2061	4481	0.11%	0.036%
96	15.877	2339	2344	2346	rBV6	2036	3551	0.08%	0.028%
97	15.981	2359	2361	2364	rVV4	2739	2664	0.06%	0.021%
98	16.115	2381	2383	2388	rVB4	875	1228	0.03%	0.010%
99	16.334	2416	2419	2421	rBV4	753	882	0.02%	0.007%
100	16.432	2432	2435	2436	rBV2	786	766	0.02%	0.006%

Sum of corrected areas: 12483192

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072018\
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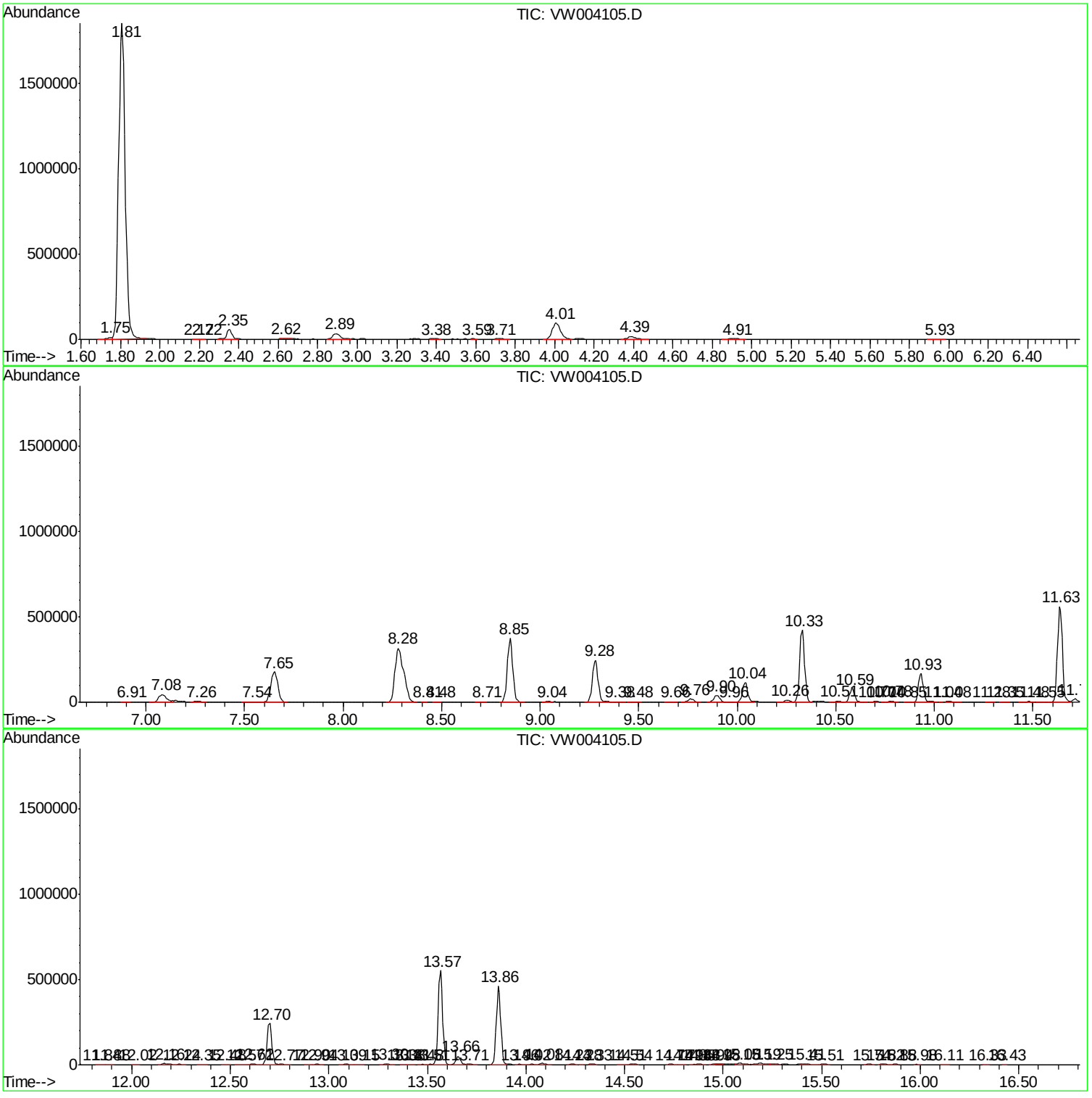
Acq On : 21 Jul 2018 05:40
Operator : SY/AP
Sample : J4038-23
Misc : 5.18G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1S5

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\VW072018\
Data File : VW004105.D
Acq On : 21 Jul 2018 05:40
Operator : SY/AP
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Instrument : MSVOA_W
ClientSampleId : DB1S5

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

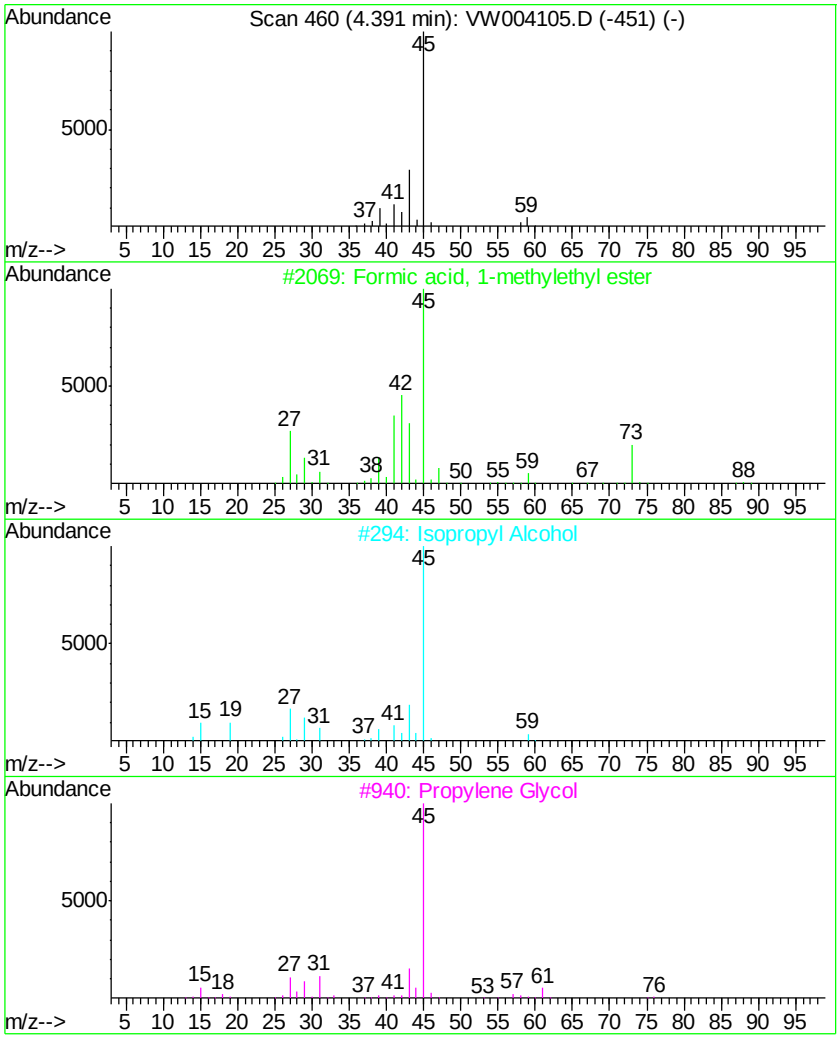
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

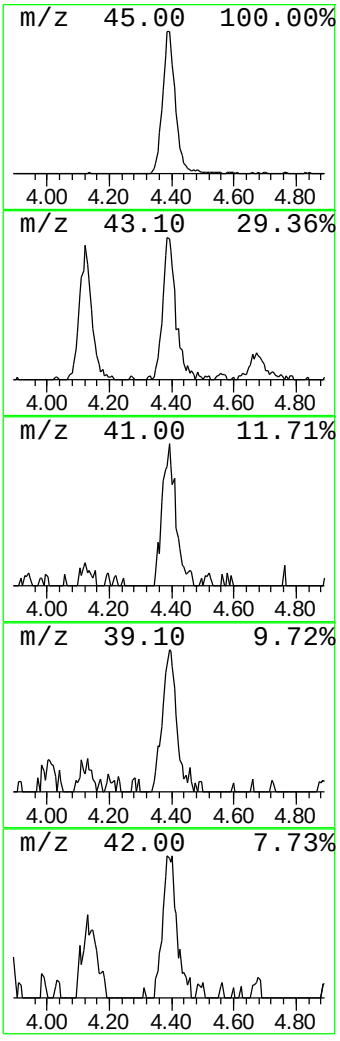
****

Peak Number 2 unknown-01 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.39	1.69 ug/L	49616	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Formic acid, 1-methylethyl ester	88	C4H8O2	000625-55-8	43
2	Isopropyl Alcohol	60	C3H8O	000067-63-0	40
3	Propylene Glycol	76	C3H8O2	000057-55-6	9
4	Formic acid, 1-methylethyl ester	88	C4H8O2	000625-55-8	9
5	Hydrazine, propyl-	74	C3H10N2	005039-61-2	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072018\
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Instrument : MSVOA_W
ClientSampleId : DB1S5

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

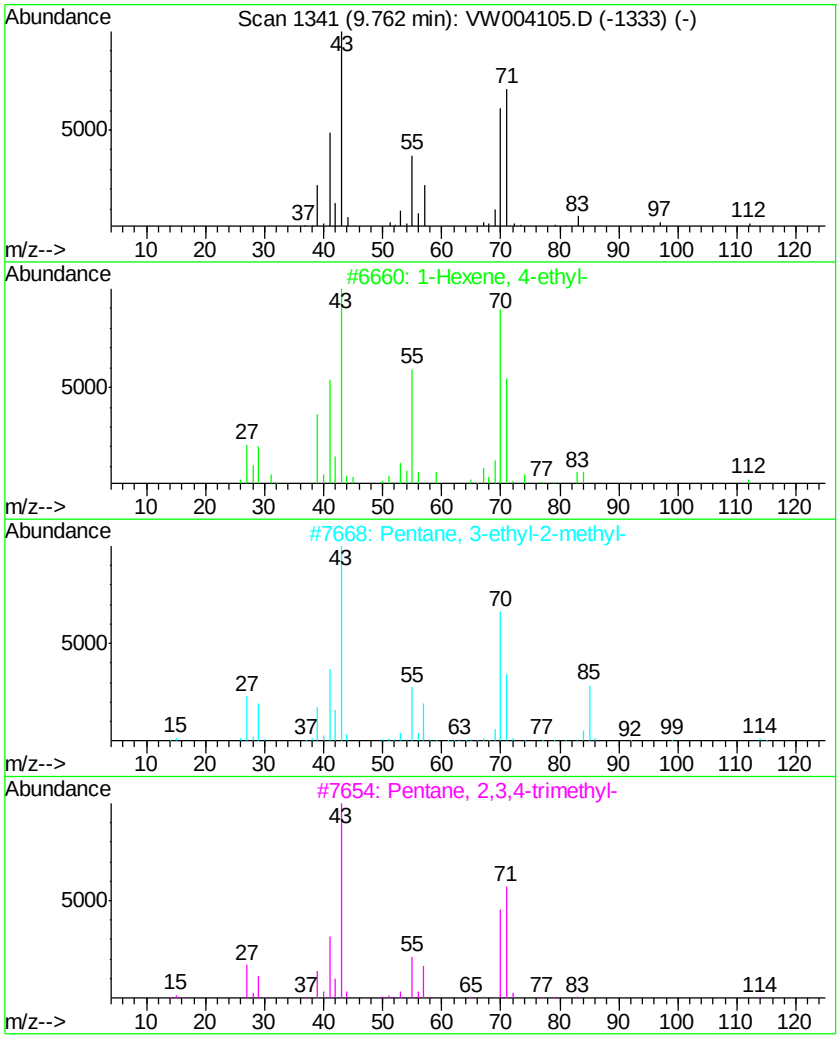
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

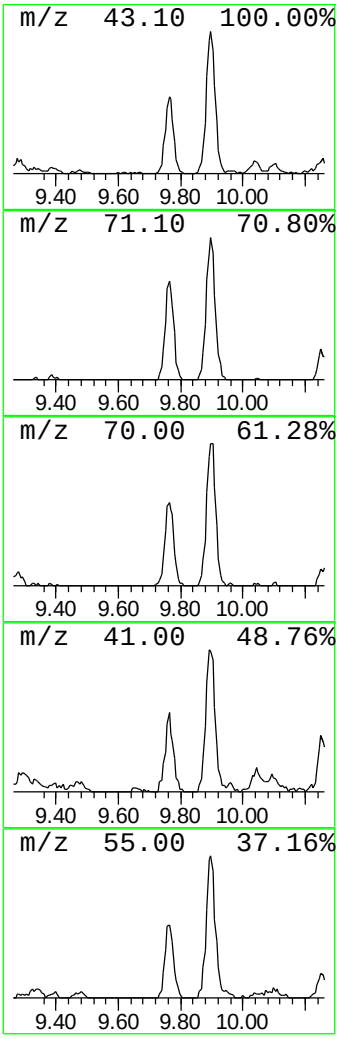
****

Peak Number 3 (DEL) Alkane: Cyclic9.76 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	1.35 ug/L	39522	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 4-ethyl-	112	C8H16	016746-85-3	64
2	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	59
3	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	59
4	Propanoic acid, 2-methyl-, 2-met...	158	C9H18O2	002445-69-4	59
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	50





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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1S5

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

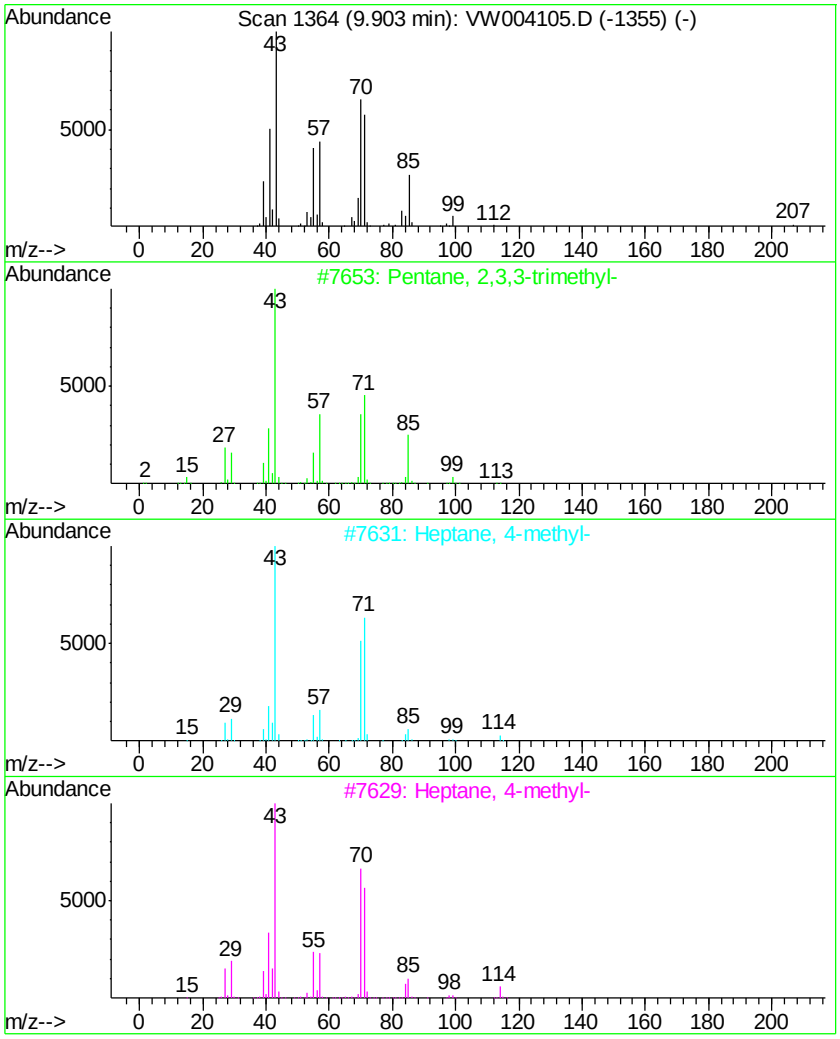
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

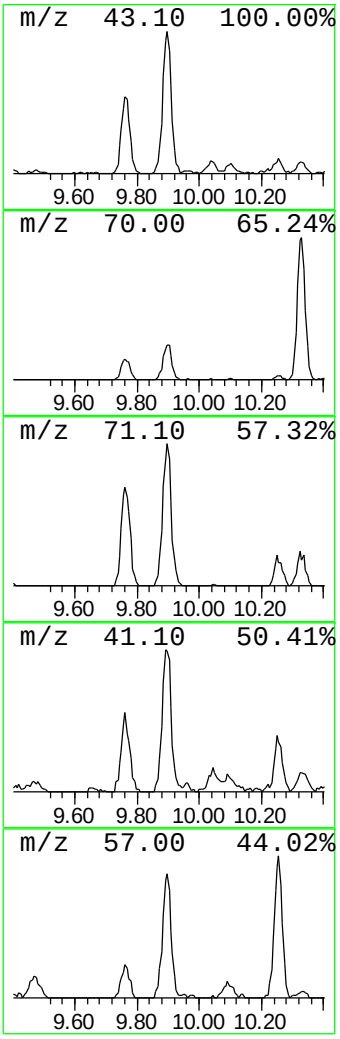
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	2.80 ug/L	82152	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	72
2	Heptane, 4-methyl-	114	C8H18	000589-53-7	64
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	59
4	3,3-Dimethyl-2-pentanol	116	C7H16O	019781-24-9	59
5	Butane, 1-bromo-3-methyl-	150	C5H11Br	000107-82-4	59





Library Search Compound Report

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Instrument : MSVOA_W
ClientSampleId : DB1S5

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

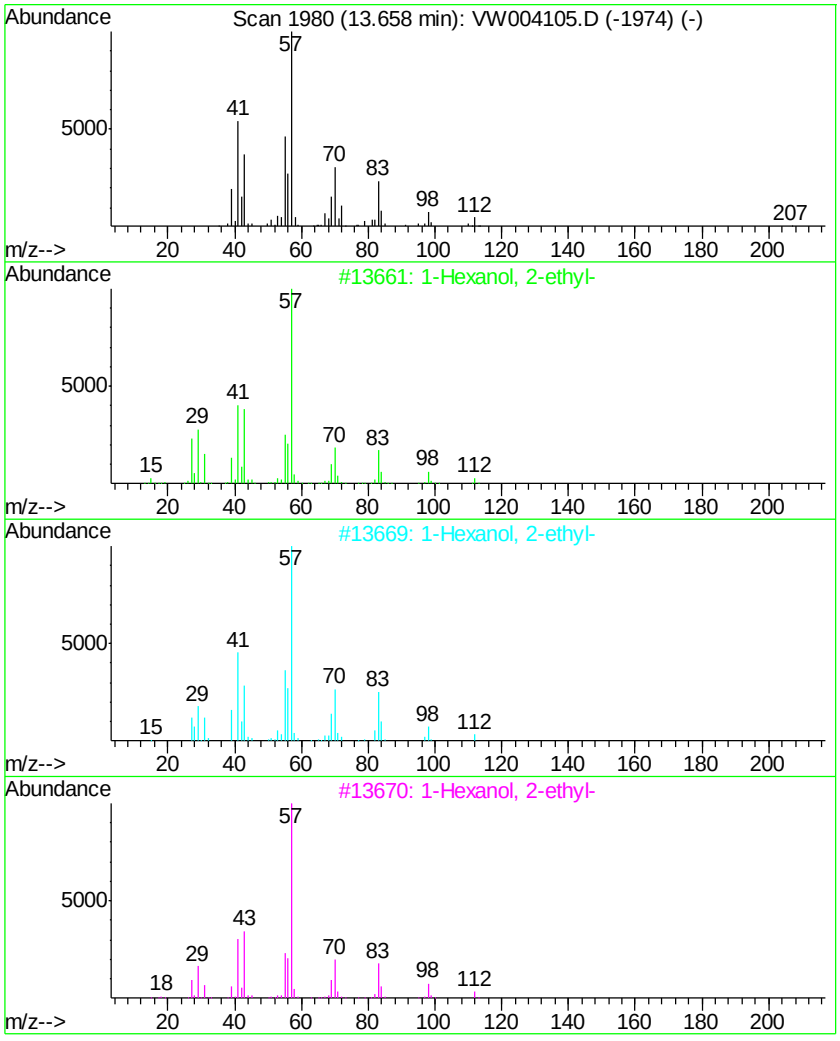
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

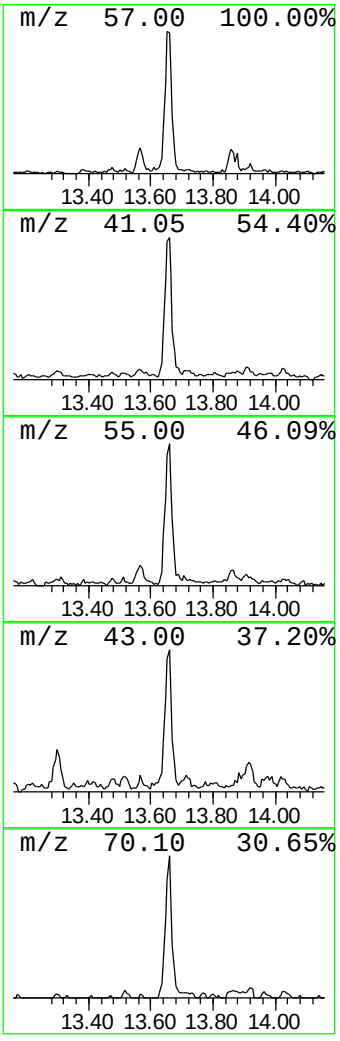
****

Peak Number 6 1-Hexanol, 2-ethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.66	2.38 ug/L	81848	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	64
2	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	64
3	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	59
4	1-Hexanethiol, 2-ethyl-	146	C8H18S	007341-17-5	53
5	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	53





Tentatively Identified Compound (LSC) summary

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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1S5

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
unknown-01	4.39	1.7	ug/L	49616	1	8.85	733026	25.0
(DEL) Alkane: Cyc...	9.76	1.4	ug/L	39522	1	8.85	733026	25.0
(DEL) Alkane: Str...	9.90	2.8	ug/L	82152	1	8.85	733026	25.0
1-Hexanol, 2-ethyl-	13.66	2.4	ug/L	81848	3	13.57	861088	25.0