LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040819\
Data File : VW009843.D
Acq On : 09 Apr 2019 18:12
Operator : SY/VA
Sample : K2218-07
Misc : 5.06G/10ML/MSVOA W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BF5Z7

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\SOM2WLM040319S.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	2.160	37	42	52	rBV2	24429	63369	3.59%	0.502%
2	2.355	68	74	88	rBV2	81871	196132	11.10%	1.555%
3	2.892	156	162	173	rBV2	71829	198575	11.24%	1.574%
4	3.782	306	308	310	rVB3	1501	1275	0.07%	0.010%
5	4.013	333	346	363	rBV2	169384	611189	34.59%	4.846%
6	4.275	388	389	393	rVB2	1404	1131	0.06%	0.009%
7	4.391	401	408	414	rBV7	3886	11518	0.65%	0.091%
8	4.562	433	436	441	rBV5	842	1464	0.08%	0.012%
9	4.666	450	453	456	rVV5	1014	1246	0.07%	0.010%
10	4.916	482	494	516	rBV4	27591	125610	7.11%	0.996%
11	5.105	519	525	527	rBV3	1066	1363	0.08%	0.011%
12	5.159	531	534	536	rBV2	918	1101	0.06%	0.009%
13	5.239	545	547	550	rVB2	1051	1150	0.07%	0.009%
14	5.416	569	576	584	rBV2	2072	5531	0.31%	0.044%
15	5.934	651	661	671	rBV3	14831	45238	2.56%	0.359%
16	6.056	680	681	687	rVB5	731	1096	0.06%	0.009%
17	6.117	687	691	693	rBV4	896	1354	0.08%	0.011%
18	6.275	716	717	722	rBV4	1234	1354	0.08%	0.011%
19	6.617	771	773	776	rVB4	1003	1235	0.07%	0.010%
20	6.763	795	797	800	rVB4	1263	1476	0.08%	0.012%
21	6.854	808	812	814	rVB4	905	1285	0.07%	0.010%
22	7.080	839	849	861	rBV	75607	227540	12.88%	1.804%
23	7.208	868	870	875	rVB4	1937	2681	0.15%	0.021%
24	7.507	916	919	920	rBV	1231	1211	0.07%	0.010%
25	7.641	932	941	954	rBV	321058	801525	45.36%	6.355%
26	7.732	954	956	960	rVB4	1477	1663	0.09%	0.013%
27	7.872	975	979	984	rBV6	1384	2431	0.14%	0.019%
28	7.933	986	989	990	rBV3	1200	1404	0.08%	0.011%
29	8.147	1021	1024	1028	rVV3	1147	1683	0.10%	0.013%
30	8.275	1035	1045	1061	rBV2	566627	1767177	100.00%	14.011%
31	8.689	1111	1113	1118	rVB6	2188	2705	0.15%	0.021%
32	8.842	1129	1138	1148	rVV	514691	1011889	57.26%	8.023%
33	8.909	1148	1149	1151	rVB2	1708	1072	0.06%	0.008%
34	9.086	1171	1178	1184	rBV9	3689	7986	0.45%	0.063%

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Sample : K2218-07
Misc : 5.06G/10ML/MSVOA W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BF5Z7

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\SOM2WLM040319S.M
Title : VOC Analysis

35	9.171	1187	1192	1196	rBV5	1370	1916	0.11%	0.015%
36	9.275	1199	1209	1220	rBV	427146	856963	48.49%	6.794%
37	9.665	1266	1273	1275	rBV8	2484	5237	0.30%	0.042%
38	9.756	1284	1288	1291	rBV5	1305	2580	0.15%	0.020%
39	9.829	1296	1300	1302	rBV3	1378	1963	0.11%	0.016%
40	9.890	1306	1310	1314	rBV4	2917	4679	0.26%	0.037%
41	9.945	1316	1319	1321	rBV4	1284	1443	0.08%	0.011%
42	10.031	1324	1333	1342	rBV	198164	381499	21.59%	3.025%
43	10.213	1357	1363	1367	rBV6	2581	5766	0.33%	0.046%
44	10.250	1367	1369	1372	rVV4	2655	2711	0.15%	0.021%
45	10.323	1372	1381	1388	rVV	731977	1282440	72.57%	10.168%
46	10.390	1388	1392	1400	rVV2	12522	24787	1.40%	0.197%
47	10.476	1404	1406	1411	rVV6	1210	2152	0.12%	0.017%
48	10.573	1416	1422	1434	rVB	146900	263955	14.94%	2.093%
49	10.701	1439	1443	1450	rVB2	5446	10205	0.58%	0.081%
50	10.799	1450	1459	1460	rBV7	5275	12278	0.69%	0.097%
51	10.847	1465	1467	1473	rVV7	7269	13808	0.78%	0.109%
52	10.927	1474	1480	1493	rVV2	296828	518749	29.35%	4.113%
53	11.634	1588	1596	1604	rBV	698168	1198661	67.83%	9.504%
54	11.835	1623	1629	1632	rBV6	3691	6916	0.39%	0.055%
55	11.878	1633	1636	1642	rVB7	5606	8926	0.51%	0.071%
56	11.945	1645	1647	1649	rBV3	1947	1505	0.09%	0.012%
57	12.073	1665	1668	1674	rVB6	2428	4053	0.23%	0.032%
58	12.170	1679	1684	1690	rVB9	4163	8349	0.47%	0.066%
59	12.250	1691	1697	1704	rVB5	4152	7484	0.42%	0.059%
60	12.329	1707	1710	1713	rBV5	1264	1926	0.11%	0.015%
61	12.408	1722	1723	1727	rBV3	1043	1400	0.08%	0.011%
62	12.463	1730	1732	1735	rBV3	1210	1542	0.09%	0.012%
63	12.548	1743	1746	1748	rBV4	1690	2108	0.12%	0.017%
64	12.591	1748	1753	1761	rVV3	47048	86711	4.91%	0.687%
65	12.695	1763	1770	1777	rVV	397539	663607	37.55%	5.261%
66	12.762	1777	1781	1790	rVB5	13870	35118	1.99%	0.278%
67	12.847	1790	1795	1796	rBV5	893	1535	0.09%	0.012%
68	12.963	1805	1814	1818	rBV6	9185	22085	1.25%	0.175%
69	13.121	1833	1840	1843	rBV8	4038	10017	0.57%	0.079%
70	13.195	1848	1852	1858	rVB2	15979	25336	1.43%	0.201%
71	13.304	1865	1870	1876	rVB4	6033	11265	0.64%	0.089%

LSC Area Percent Report

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Sample : K2218-07
Misc : 5.06G/10ML/MSVOA W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BF5Z7

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\SOM2WLM040319S.M
Title : VOC Analysis

72	13.414	1880	1888	1893	rBV2	19576	36197	2.05%	0.287%
73	13.481	1893	1899	1901	rBV6	4031	7589	0.43%	0.060%
74	13.560	1901	1912	1918	rBV	578440	932340	52.76%	7.392%
75	13.768	1942	1946	1950	rBV4	5958	8871	0.50%	0.070%
76	13.859	1953	1961	1968	rBV	560780	941577	53.28%	7.465%
77	14.024	1986	1988	1991	rBV4	1660	2570	0.15%	0.020%
78	14.072	1993	1996	2003	rVB2	8834	15205	0.86%	0.121%
79	14.194	2014	2016	2018	rBV2	1562	1341	0.08%	0.011%
80	14.329	2034	2038	2041	rBV5	2957	4377	0.25%	0.035%
81	14.426	2052	2054	2057	rVB4	1272	1278	0.07%	0.010%
82	14.487	2060	2064	2066	rBV3	2045	3024	0.17%	0.024%
83	14.511	2066	2068	2071	rVV4	2264	2720	0.15%	0.022%
84	14.585	2076	2080	2083	rVB5	1466	2137	0.12%	0.017%
85	14.627	2086	2087	2094	rVB4	2401	2827	0.16%	0.022%
86	14.707	2097	2100	2102	rBV4	937	1229	0.07%	0.010%
87	14.871	2125	2127	2132	rVV4	823	1345	0.08%	0.011%
88	14.956	2139	2141	2143	rBV3	1104	1154	0.07%	0.009%
89	15.133	2165	2170	2173	rBV5	1979	3598	0.20%	0.029%
90	15.182	2177	2178	2182	rVB3	1382	1371	0.08%	0.011%
91	15.304	2195	2198	2201	rBV4	1198	1187	0.07%	0.009%
92	15.377	2205	2210	2213	rBV3	1803	3682	0.21%	0.029%
93	15.444	2214	2221	2227	rVB2	11334	21571	1.22%	0.171%
94	15.511	2227	2232	2236	rBV	4764	8010	0.45%	0.064%
95	15.700	2261	2263	2267	rBV4	1123	1365	0.08%	0.011%
96	15.816	2278	2282	2288	rVB8	2244	3789	0.21%	0.030%
97	15.889	2291	2294	2295	rBV3	1690	1980	0.11%	0.016%
98	16.176	2339	2341	2344	rBV4	979	1230	0.07%	0.010%
99	16.322	2363	2365	2369	rVB5	1526	1666	0.09%	0.013%
100	16.365	2369	2372	2373	rBV2	1416	1252	0.07%	0.010%

Sum of corrected areas: 12612816

LSC Report - Integrated Chromatogram

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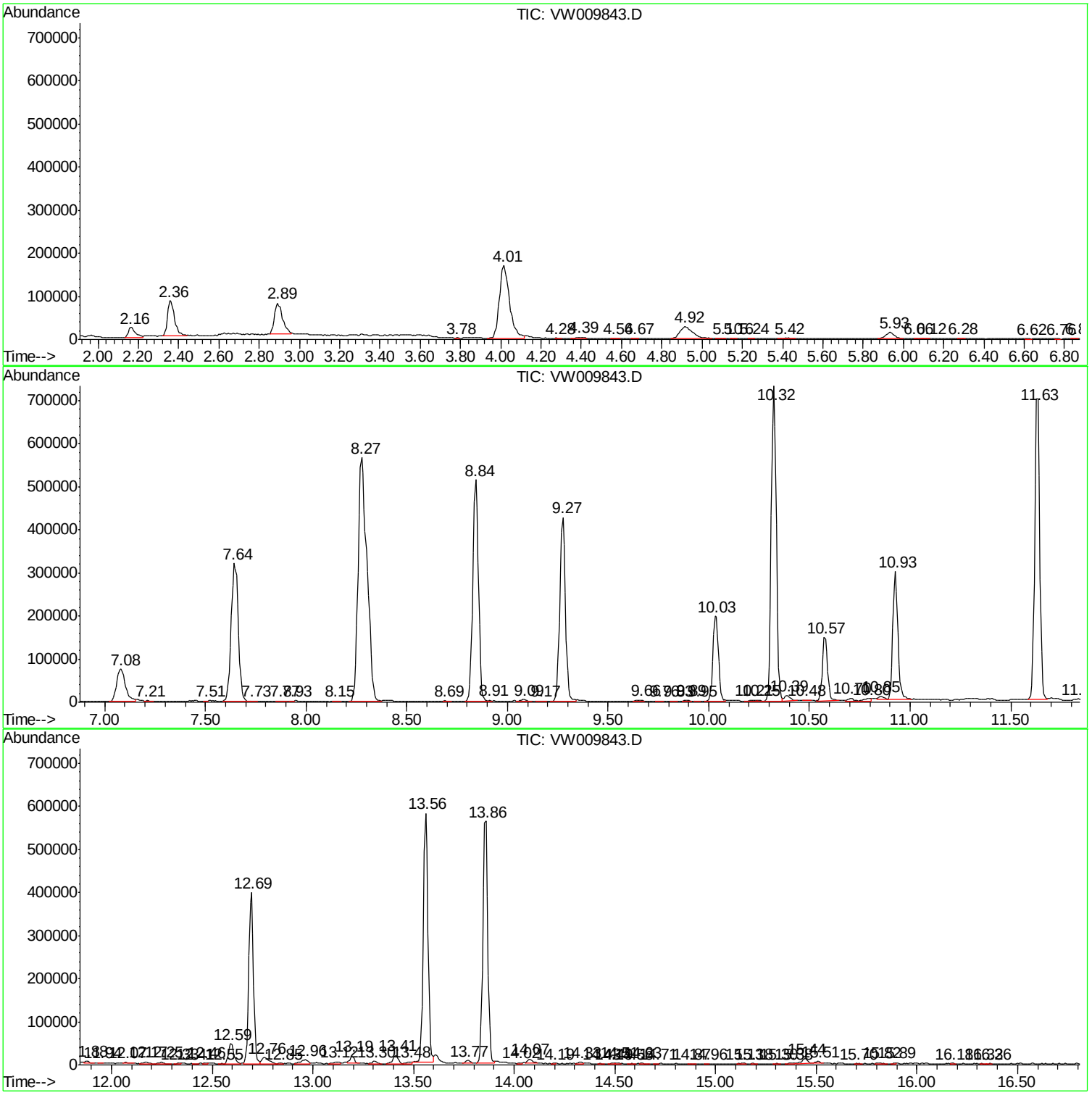
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BF5Z7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.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\VW040819\
Data File : VW009843.D
Acq On : 09 Apr 2019 18:12
Operator : SY/VA
Sample : K2218-07
Misc : 5.06G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BF5Z7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

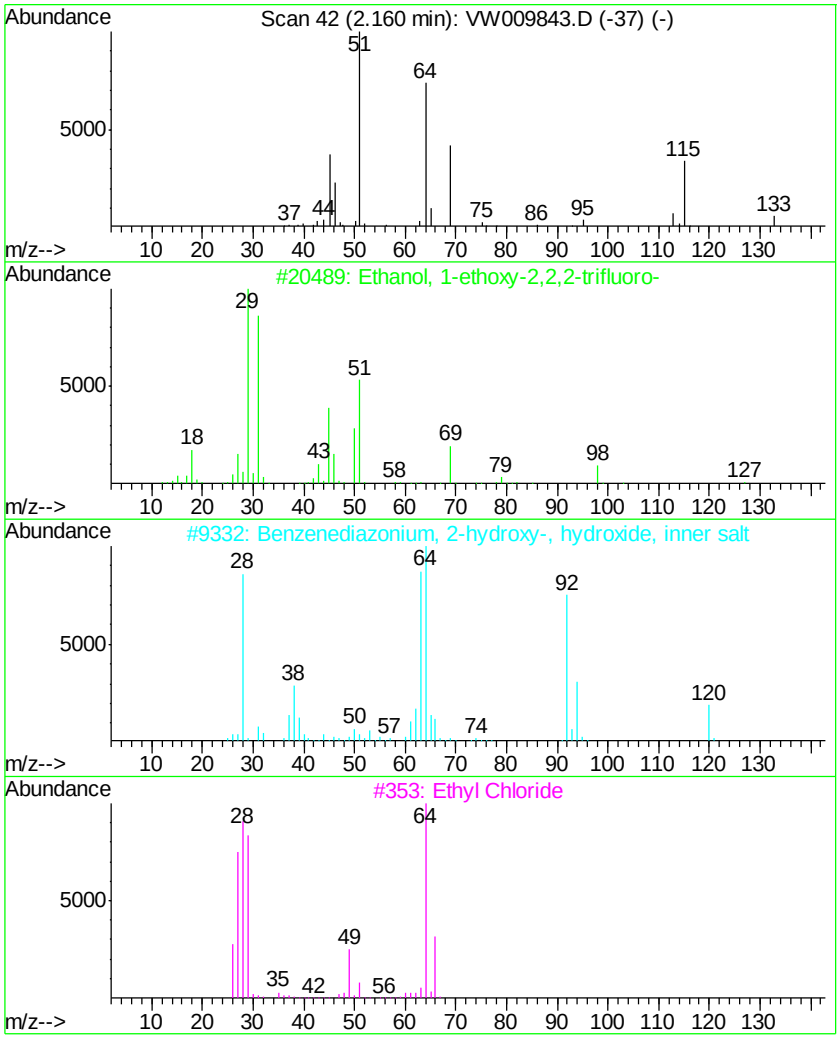
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

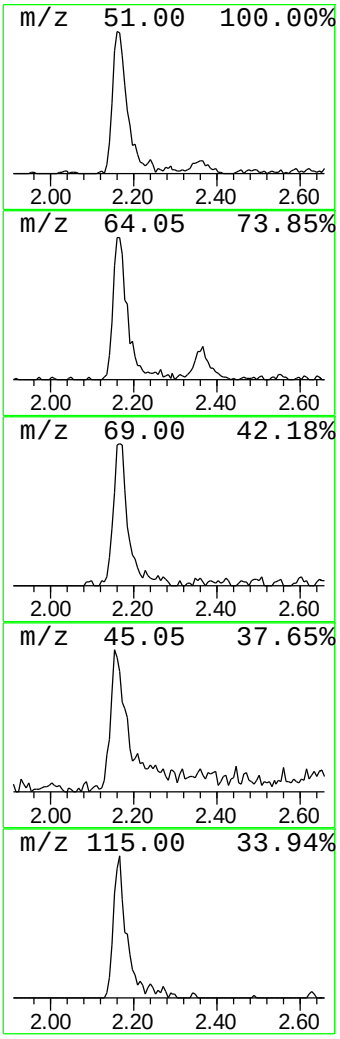
****

Peak Number 1 unknown-01 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.16	1.57 ug/L	63369	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 1-ethoxy-2,2,2-trifluoro-	144	C4H7F3O2	000433-27-2	17
2	Benzenediazonium, 2-hydroxy-, hy...	120	C6H4N2O	029906-36-3	9
3	Ethyl Chloride	64	C2H5Cl	000075-00-3	7
4	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	5
5	Ethene, 1,2-difluoro-	64	C2H2F2	001691-13-0	5





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Instrument : MSVOA_W
ClientSampleId : BF5Z7

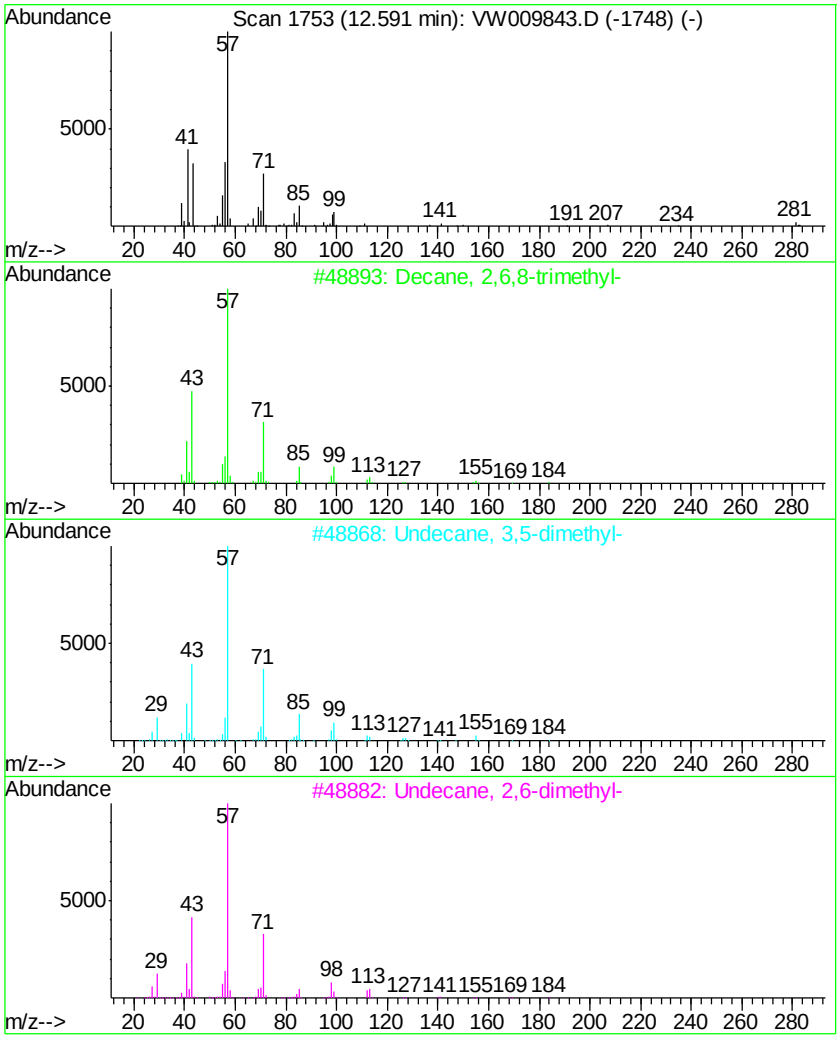
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

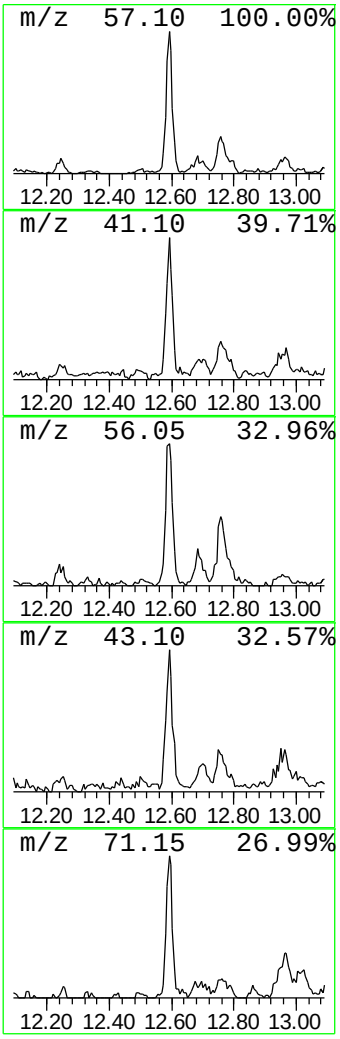
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	1.81 ug/L	86711	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	59
2	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	53
3	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	50
4	Sulfurous acid, butyl decyl ester	278	C14H30O3S	1000309-17-7	50
5	Carbonic acid, isobutyl 2-ethylh...	230	C13H26O3	1000357-82-9	47





Tentatively Identified Compound (LSC) summary

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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	2.16	1.6	ug/L	63369	1	8.84	1011890	25.0
(DEL) Alkane: Str...	12.59	1.8	ug/L	86711	2	11.63	1198660	25.0