LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100220\
Data File : VW016758.D
Acq On : 02 Oct 2020 13:05
Operator : SY/VA
Sample : L4201-19
Misc : 4.05G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AL1

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\SOM2WLM091520S.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	2.111	33	34	37	rBV	900	663	0.04%	0.005%
2	2.160	39	42	45	rBV	1428	2172	0.13%	0.017%
3	2.215	47	51	53	rBV3	1275	2086	0.13%	0.016%
4	2.367	69	76	85	rBV	86643	168705	10.17%	1.298%
5	2.489	94	96	103	rBV5	1329	1806	0.11%	0.014%
6	2.904	157	164	179	rBV	67826	183686	11.07%	1.413%
7	3.404	240	246	253	rBV5	1021	2993	0.18%	0.023%
8	3.574	273	274	278	rBV2	358	577	0.03%	0.004%
9	3.696	290	294	296	rBV2	649	872	0.05%	0.007%
10	4.031	337	349	366	rBV	176005	526329	31.73%	4.049%
11	4.934	485	497	513	rBV3	23141	80553	4.86%	0.620%
12	5.135	524	530	531	rVV3	622	991	0.06%	0.008%
13	5.153	531	533	534	rVV2	652	590	0.04%	0.005%
14	5.171	534	536	538	rVV2	606	496	0.03%	0.004%
15	5.196	538	540	547	rVB3	400	797	0.05%	0.006%
16	5.775	628	635	637	rBV4	660	1245	0.08%	0.010%
17	5.952	656	664	674	rBV5	3693	11341	0.68%	0.087%
18	6.878	813	816	820	rBV2	337	493	0.03%	0.004%
19	7.092	841	851	855	rBV	40323	111767	6.74%	0.860%
20	7.452	904	910	912	rVV4	722	1264	0.08%	0.010%
21	7.659	933	944	958	rBV	299333	740003	44.61%	5.693%
22	7.897	980	983	985	rVB2	477	501	0.03%	0.004%
23	7.951	988	992	1002	rVB3	982	2354	0.14%	0.018%
24	8.079	1009	1013	1015	rBV3	369	518	0.03%	0.004%
25	8.281	1036	1046	1063	rBV2	559927	1658968	100.00%	12.763%
26	8.646	1101	1106	1108	rBV3	406	655	0.04%	0.005%
27	8.689	1111	1113	1120	rVB3	546	1036	0.06%	0.008%
28	8.848	1130	1139	1154	rBV	690614	1363617	82.20%	10.491%
29	8.988	1160	1162	1168	rVB3	331	466	0.03%	0.004%
30	9.085	1173	1178	1183	rVB4	2320	4009	0.24%	0.031%
31	9.281	1200	1210	1221	rBV	382465	773608	46.63%	5.952%
32	9.402	1229	1230	1234	rVB3	619	460	0.03%	0.004%
33	9.671	1267	1274	1279	rBV2	2236	4894	0.30%	0.038%
34	9.890	1308	1310	1315	rVB2	563	798	0.05%	0.006%

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Integrator: RTE
Smoothing : OFF Filtering: 5
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Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Title : VOC Analysis

35	9.951	1316	1320	1323	rVB2	597	681	0.04%	0.005%
36	10.036	1323	1334	1346	rBV	183382	342410	20.64%	2.634%
37	10.134	1348	1350	1357	rVB5	1914	3113	0.19%	0.024%
38	10.219	1357	1364	1372	rVB6	2457	5688	0.34%	0.044%
39	10.329	1374	1382	1390	rBV	793905	1386754	83.59%	10.669%
40	10.433	1390	1399	1405	rVV5	15579	40310	2.43%	0.310%
41	10.512	1406	1412	1417	rVV8	2428	4406	0.27%	0.034%
42	10.579	1417	1423	1437	rVV	113837	205078	12.36%	1.578%
43	10.707	1437	1444	1452	rBV	41934	77306	4.66%	0.595%
44	10.786	1452	1457	1463	rVB5	2321	4839	0.29%	0.037%
45	10.853	1463	1468	1473	rBV7	1448	2949	0.18%	0.023%
46	10.927	1473	1480	1495	rBV	161879	292430	17.63%	2.250%
47	11.067	1498	1503	1517	rVB2	19020	35362	2.13%	0.272%
48	11.177	1517	1521	1527	rVB4	2264	3778	0.23%	0.029%
49	11.262	1531	1535	1536	rBV2	706	811	0.05%	0.006%
50	11.292	1536	1540	1544	rBV6	1091	1275	0.08%	0.010%
51	11.414	1555	1560	1561	rBV3	1372	1786	0.11%	0.014%
52	11.439	1561	1564	1570	rVB2	5525	9313	0.56%	0.072%
53	11.512	1570	1576	1578	rBV5	764	1428	0.09%	0.011%
54	11.634	1589	1596	1606	rBV	880144	1462293	88.14%	11.250%
55	11.713	1606	1609	1617	rVB3	5653	12108	0.73%	0.093%
56	11.835	1627	1629	1635	rVB5	1671	2939	0.18%	0.023%
57	12.054	1662	1665	1666	rBV3	744	748	0.05%	0.006%
58	12.182	1680	1686	1691	rVB5	4400	8349	0.50%	0.064%
59	12.243	1692	1696	1700	rBV6	1945	3056	0.18%	0.024%
60	12.280	1700	1702	1706	rVB3	949	1058	0.06%	0.008%
61	12.335	1706	1711	1712	rBV4	505	774	0.05%	0.006%
62	12.359	1712	1715	1716	rBV2	828	777	0.05%	0.006%
63	12.384	1717	1719	1724	rVB4	1099	1794	0.11%	0.014%
64	12.438	1724	1728	1730	rBV5	1049	1864	0.11%	0.014%
65	12.469	1731	1733	1737	rVB4	1809	2148	0.13%	0.017%
66	12.603	1748	1755	1763	rVB2	81667	173843	10.48%	1.337%
67	12.695	1763	1770	1776	rBV2	296608	494337	29.80%	3.803%
68	12.755	1776	1780	1790	rVB2	14495	33098	2.00%	0.255%
69	12.835	1790	1793	1796	rBV2	1335	1903	0.11%	0.015%
70	12.963	1805	1814	1819	rBV4	13497	31730	1.91%	0.244%
71	13.012	1819	1822	1830	rVB6	3205	7666	0.46%	0.059%

LSC Area Percent Report

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Instrument : MSVOA_W
ClientSampleId : C0AL1

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\SOM2WLM091520S.M
Title : VOC Analysis

72	13.085	1830	1834	1835	rBV2	1634	2151	0.13%	0.017%
73	13.121	1835	1840	1844	rVV	16500	28060	1.69%	0.216%
74	13.194	1844	1852	1862	rVB	41425	81791	4.93%	0.629%
75	13.304	1864	1870	1878	rVB2	28416	46925	2.83%	0.361%
76	13.408	1878	1887	1894	rBV	72667	133670	8.06%	1.028%
77	13.560	1901	1912	1917	rBV	738593	1207150	72.77%	9.287%
78	13.603	1917	1919	1932	rVB2	55965	104229	6.28%	0.802%
79	13.768	1939	1946	1953	rBV3	17700	34359	2.07%	0.264%
80	13.853	1953	1960	1967	rBV	576245	952706	57.43%	7.330%
81	14.011	1984	1986	1987	rBV2	961	666	0.04%	0.005%
82	14.072	1990	1996	2006	rVB	29995	50986	3.07%	0.392%
83	14.200	2014	2017	2018	rBV2	1266	1250	0.08%	0.010%
84	14.304	2030	2034	2036	rBV4	1500	2159	0.13%	0.017%
85	14.499	2059	2066	2074	rVB9	1596	3742	0.23%	0.029%
86	14.633	2083	2088	2091	rBV4	628	980	0.06%	0.008%
87	14.731	2101	2104	2107	rVB3	1799	2029	0.12%	0.016%
88	14.822	2116	2119	2121	rVB3	512	547	0.03%	0.004%
89	14.926	2134	2136	2139	rBV3	726	588	0.04%	0.005%
90	14.981	2143	2145	2146	rBV2	606	579	0.03%	0.004%
91	15.036	2150	2154	2155	rBV4	712	759	0.05%	0.006%
92	15.133	2168	2170	2173	rBV2	654	752	0.05%	0.006%
93	15.438	2212	2220	2226	rBV	13849	24010	1.45%	0.185%
94	15.493	2226	2229	2234	rVB3	1147	1710	0.10%	0.013%
95	15.603	2245	2247	2250	rBV2	517	724	0.04%	0.006%
96	15.694	2260	2262	2264	rBV3	911	634	0.04%	0.005%
97	15.852	2284	2288	2291	rBV6	781	1371	0.08%	0.011%
98	16.163	2337	2339	2342	rVB3	676	639	0.04%	0.005%
99	16.352	2368	2370	2374	rBV4	595	622	0.04%	0.005%
100	16.688	2423	2425	2426	rVB	971	604	0.04%	0.005%

Sum of corrected areas: 12997907

LSC Report - Integrated Chromatogram

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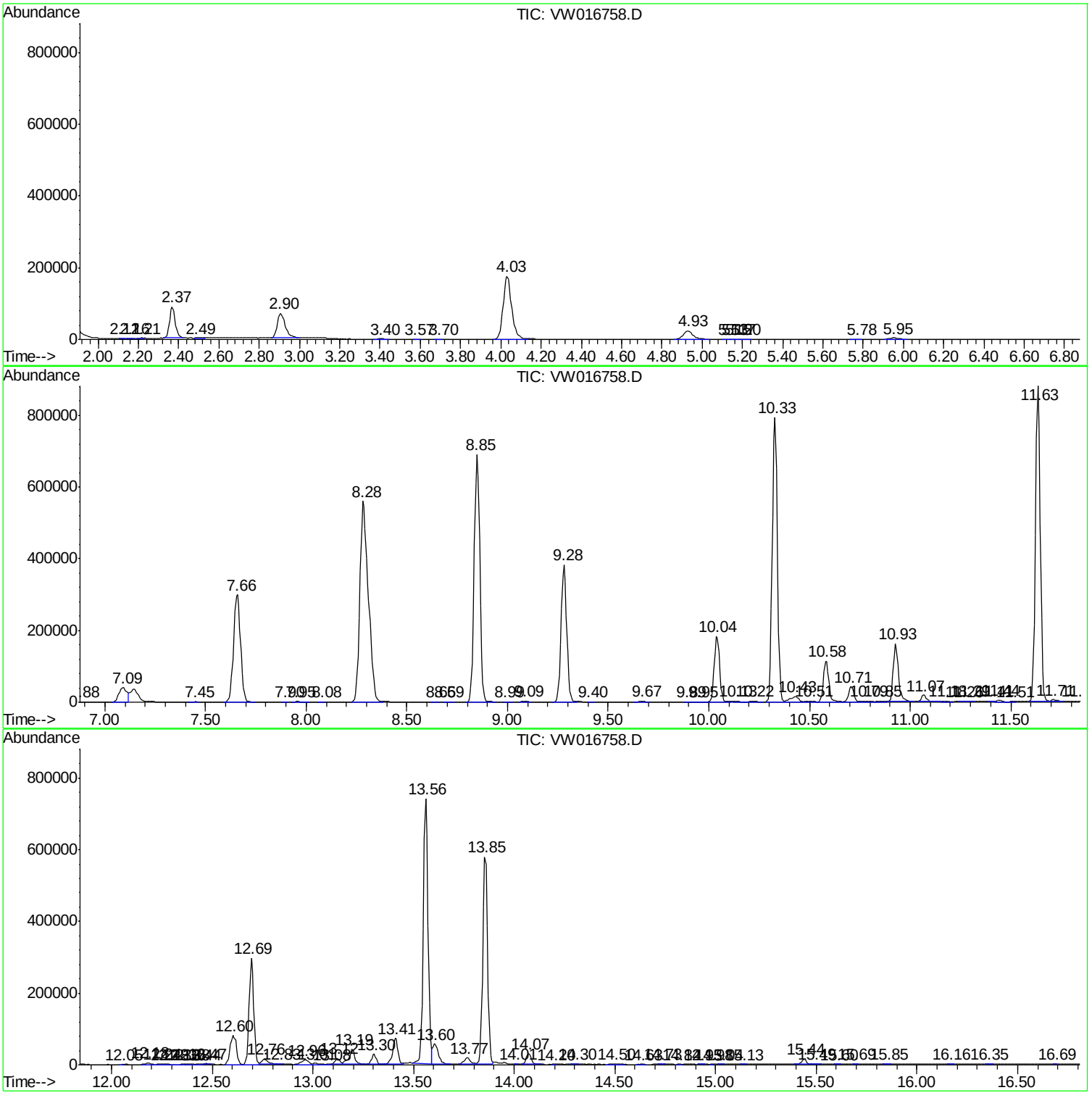
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AL1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

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



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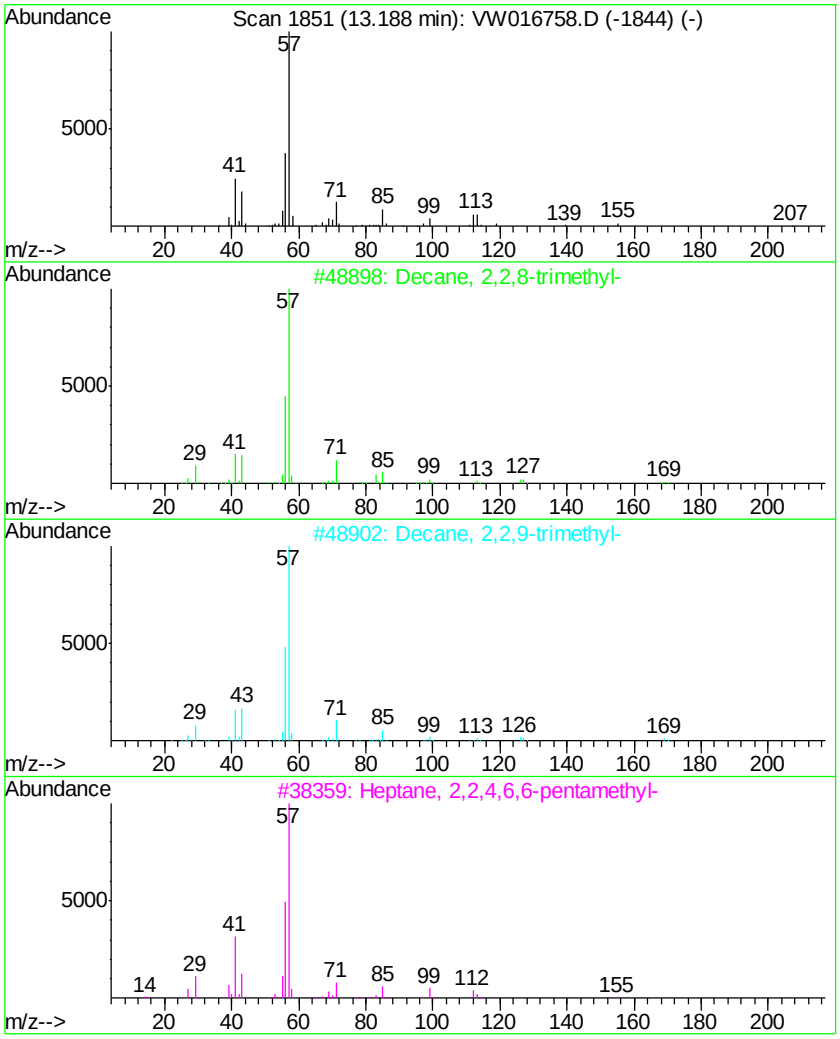
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

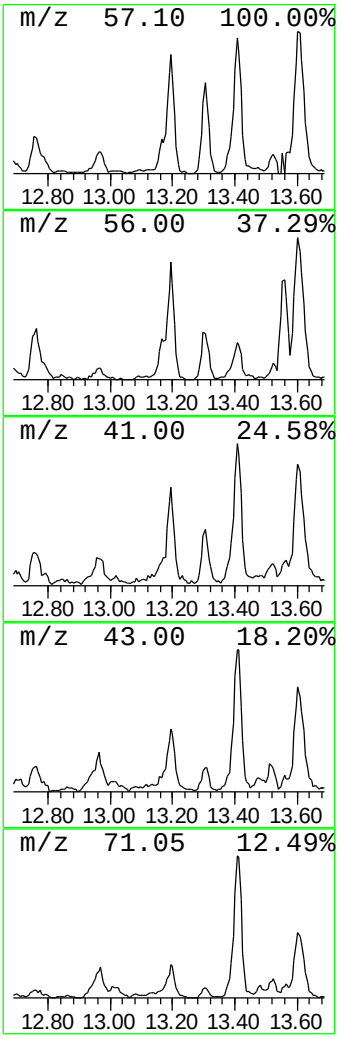
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	1.69 ug/L	81791	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,2,8-trimethyl-	184	C13H28	062238-01-1	72
2	Decane, 2,2,9-trimethyl-	184	C13H28	062238-00-0	72
3	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	72
4	Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	72
5	Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	64





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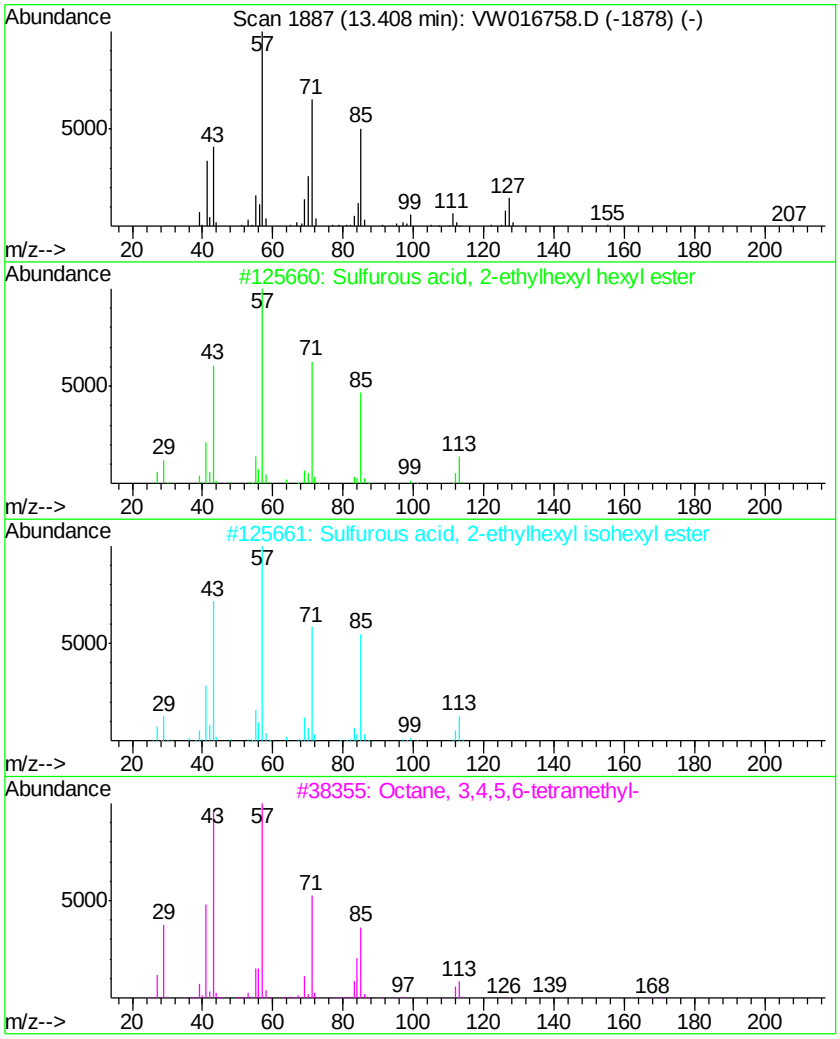
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

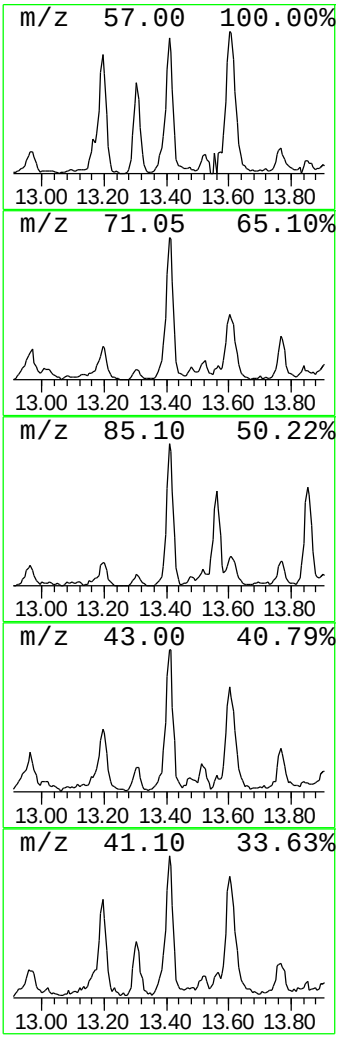
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Sulfurous acid, 2-ethylhexy... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.41	2.77 ug/L	133670	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	53
2	Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	53
3	Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	50
4	1-Iodoundecane	282	C11H23I	004282-44-4	50
5	Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	50





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
(DEL) Alkane: Str...	13.19	1.7	ug/L	81791	3	13.56	1207150	25.0
Sulfurous acid, 2...	13.41	2.8	ug/L	133670	3	13.56	1207150	25.0