LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061620\
Data File : VW015610.D
Acq On : 16 Jun 2020 16:17
Operator : SY/VA
Sample : L3027-04
Misc : 4.66G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2K8

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\SOM2WLM052620S.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	2.154	39	41	47	rVB3	704	938	0.10%	0.013%
2	2.209	47	50	51	rBV2	622	736	0.08%	0.010%
3	2.355	68	74	86	rVB	81876	152731	16.16%	2.173%
4	2.898	156	163	180	rVB	55386	142380	15.06%	2.026%
5	4.013	333	346	360	rBV	127949	371543	39.31%	5.287%
6	4.251	381	385	387	rBV2	395	579	0.06%	0.008%
7	4.397	400	409	417	rBV2	3262	9675	1.02%	0.138%
8	4.696	453	458	460	rBV	231	305	0.03%	0.004%
9	4.855	480	484	485	rBV2	313	322	0.03%	0.005%
10	4.916	485	494	510	rVB	10696	35293	3.73%	0.502%
11	5.105	522	525	526	rBV	387	317	0.03%	0.005%
12	5.946	652	663	673	rVB4	3176	10153	1.07%	0.144%
13	6.074	680	684	690	rBV3	362	740	0.08%	0.011%
14	6.196	696	704	708	rVV5	363	1033	0.11%	0.015%
15	7.086	841	850	854	rBV	15541	42576	4.50%	0.606%
16	7.147	854	860	875	rVB	39058	112703	11.92%	1.604%
17	7.318	885	888	889	rBV2	282	331	0.04%	0.005%
18	7.433	905	907	908	rBV	328	315	0.03%	0.004%
19	7.653	932	943	959	rVB	166932	402768	42.61%	5.732%
20	7.799	964	967	969	rVV2	309	453	0.05%	0.006%
21	7.824	969	971	974	rVV2	446	356	0.04%	0.005%
22	7.848	974	975	980	rVB4	344	351	0.04%	0.005%
23	7.958	991	993	998	rVB4	651	697	0.07%	0.010%
24	8.128	1015	1021	1023	rBV3	298	554	0.06%	0.008%
25	8.281	1034	1046	1061	rBV2	327120	945219	100.00%	13.451%
26	8.640	1102	1105	1108	rVV3	796	1076	0.11%	0.015%
27	8.695	1110	1114	1120	rVB3	1814	3171	0.34%	0.045%
28	8.848	1130	1139	1150	rBV	385790	759799	80.38%	10.812%
29	9.073	1166	1176	1186	rVB	19477	42306	4.48%	0.602%
30	9.274	1201	1209	1223	rBV	205225	441049	46.66%	6.276%
31	9.403	1228	1230	1232	rVV2	565	541	0.06%	0.008%
32	9.537	1249	1252	1253	rBV3	360	328	0.03%	0.005%
33	9.665	1267	1273	1278	rBV3	505	955	0.10%	0.014%
34	9.957	1318	1321	1324	rBV3	435	510	0.05%	0.007%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061620\
Data File : VW015610.D
Acq On : 16 Jun 2020 16:17
Operator : SY/VA
Sample : L3027-04
Misc : 4.66G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2K8

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\SOM2WLM052620S.M
Title : VOC Analysis

35	10.037	1327	1334	1345	rVB	106362	190238	20.13%	2.707%
36	10.213	1358	1363	1366	rVV3	877	1559	0.16%	0.022%
37	10.250	1366	1369	1373	rVB4	761	1178	0.12%	0.017%
38	10.323	1373	1381	1390	rBV	392933	715182	75.66%	10.177%
39	10.390	1390	1392	1396	rVB3	1533	1944	0.21%	0.028%
40	10.506	1407	1411	1416	rVB3	2883	4702	0.50%	0.067%
41	10.579	1416	1423	1437	rVB	63287	108743	11.50%	1.547%
42	10.707	1437	1444	1451	rBV	80105	140813	14.90%	2.004%
43	10.774	1454	1455	1457	rBV2	399	305	0.03%	0.004%
44	10.799	1457	1459	1461	rBV2	679	671	0.07%	0.010%
45	10.860	1465	1469	1474	rVV2	9017	16283	1.72%	0.232%
46	10.927	1474	1480	1492	rVV2	62750	120873	12.79%	1.720%
47	11.067	1498	1503	1513	rVB2	14099	26282	2.78%	0.374%
48	11.177	1517	1521	1526	rVB6	1063	1573	0.17%	0.022%
49	11.231	1526	1530	1534	rBV2	937	1610	0.17%	0.023%
50	11.286	1536	1539	1540	rBV3	244	326	0.03%	0.005%
51	11.341	1543	1548	1552	rBV3	1839	2994	0.32%	0.043%
52	11.439	1552	1564	1570	rVB	37222	69971	7.40%	0.996%
53	11.512	1572	1576	1581	rBV	3203	5422	0.57%	0.077%
54	11.634	1587	1596	1604	rBV	422096	696374	73.67%	9.910%
55	11.762	1616	1617	1620	rVB3	535	338	0.04%	0.005%
56	11.841	1620	1630	1640	rBV3	15233	32006	3.39%	0.455%
57	11.975	1648	1652	1654	rBV3	761	964	0.10%	0.014%
58	12.061	1662	1666	1671	rBV6	2034	3781	0.40%	0.054%
59	12.140	1671	1679	1682	rBV6	5523	11186	1.18%	0.159%
60	12.256	1690	1698	1702	rVB2	8670	14466	1.53%	0.206%
61	12.365	1702	1716	1723	rBV4	9634	34070	3.60%	0.485%
62	12.506	1736	1739	1742	rBV4	3572	5413	0.57%	0.077%
63	12.609	1751	1756	1761	rVB	121388	192531	20.37%	2.740%
64	12.695	1765	1770	1776	rVB	96220	151363	16.01%	2.154%
65	12.780	1780	1784	1790	rVB4	9240	17416	1.84%	0.248%
66	12.859	1790	1797	1802	rBV4	5303	12556	1.33%	0.179%
67	12.932	1803	1809	1816	rBV3	52837	90146	9.54%	1.283%
68	13.079	1830	1833	1837	rVB5	4979	6514	0.69%	0.093%
69	13.127	1837	1841	1843	rBV3	3656	5766	0.61%	0.082%
70	13.164	1843	1847	1851	rBV2	10237	14650	1.55%	0.208%
71	13.298	1861	1869	1874	rBV	42602	66901	7.08%	0.952%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061620\
Data File : VW015610.D
Acq On : 16 Jun 2020 16:17
Operator : SY/VA
Sample : L3027-04
Misc : 4.66G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2K8

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\SOM2WLM052620S.M
Title : VOC Analysis

72	13.414	1879	1888	1890	rBV5	6670	14664	1.55%	0.209%
73	13.560	1906	1912	1920	rBV	208584	332274	35.15%	4.728%
74	13.762	1939	1945	1949	rBV9	2804	5899	0.62%	0.084%
75	13.853	1954	1960	1975	rVV	139776	273862	28.97%	3.897%
76	14.072	1991	1996	2003	rVB2	34275	57607	6.09%	0.820%
77	14.200	2013	2017	2022	rVB3	3199	4352	0.46%	0.062%
78	14.261	2022	2027	2031	rBV6	2514	4218	0.45%	0.060%
79	14.298	2031	2033	2034	rBV2	1941	2001	0.21%	0.028%
80	14.499	2060	2066	2068	rBV6	1423	2899	0.31%	0.041%
81	14.639	2087	2089	2091	rBV3	461	339	0.04%	0.005%
82	14.731	2095	2104	2109	rBV3	8905	14632	1.55%	0.208%
83	14.908	2129	2133	2135	rBV4	571	927	0.10%	0.013%
84	14.969	2139	2143	2145	rBV4	839	1060	0.11%	0.015%
85	14.999	2146	2148	2151	rVB4	646	605	0.06%	0.009%
86	15.219	2182	2184	2186	rBV3	438	400	0.04%	0.006%
87	15.243	2186	2188	2190	rVB2	446	357	0.04%	0.005%
88	15.267	2190	2192	2195	rBV4	436	547	0.06%	0.008%
89	15.438	2211	2220	2226	rBV	23325	40498	4.28%	0.576%
90	15.493	2226	2229	2234	rVV	2918	4942	0.52%	0.070%
91	15.554	2236	2239	2244	rVB4	1477	2460	0.26%	0.035%
92	15.651	2253	2255	2258	rBV4	490	665	0.07%	0.009%
93	15.688	2258	2261	2268	rVV7	1593	3290	0.35%	0.047%
94	15.767	2268	2274	2278	rVV8	1374	3210	0.34%	0.046%
95	15.804	2278	2280	2284	rVV4	1411	2015	0.21%	0.029%
96	15.846	2284	2287	2291	rVV6	896	1306	0.14%	0.019%
97	15.956	2302	2305	2306	rBV3	610	623	0.07%	0.009%
98	16.090	2323	2327	2328	rBV2	626	690	0.07%	0.010%
99	16.218	2346	2348	2351	rBV3	418	454	0.05%	0.006%
100	16.487	2390	2392	2393	rBV2	376	397	0.04%	0.006%

Sum of corrected areas: 7027106

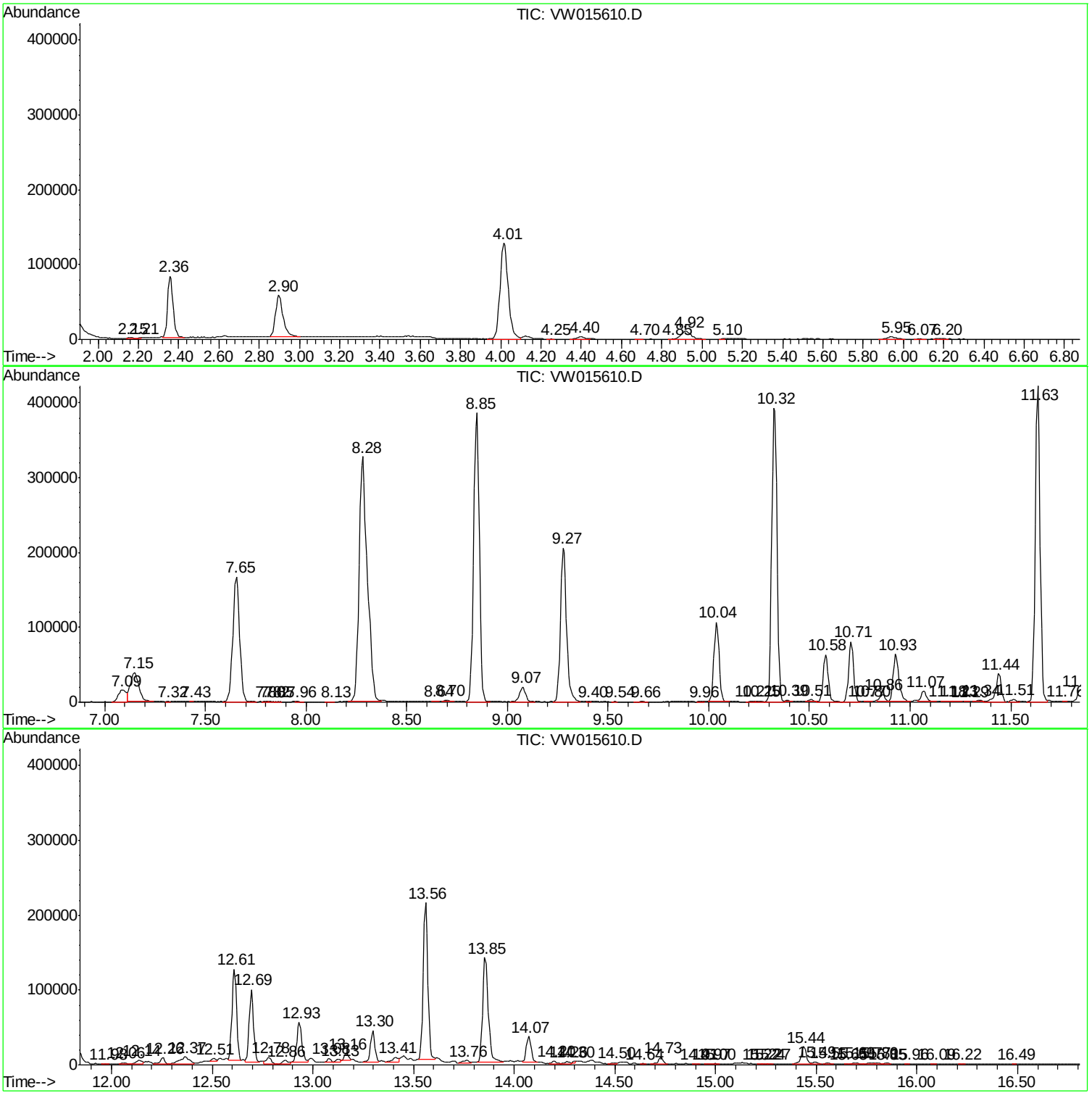
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW061620\
Data File : VW015610.D
Acq On : 16 Jun 2020 16:17
Operator : SY/VA
Sample : L3027-04
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2K8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW061620\
Data File : VW015610.D
Acq On : 16 Jun 2020 16:17
Operator : SY/VA
Sample : L3027-04
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2K8

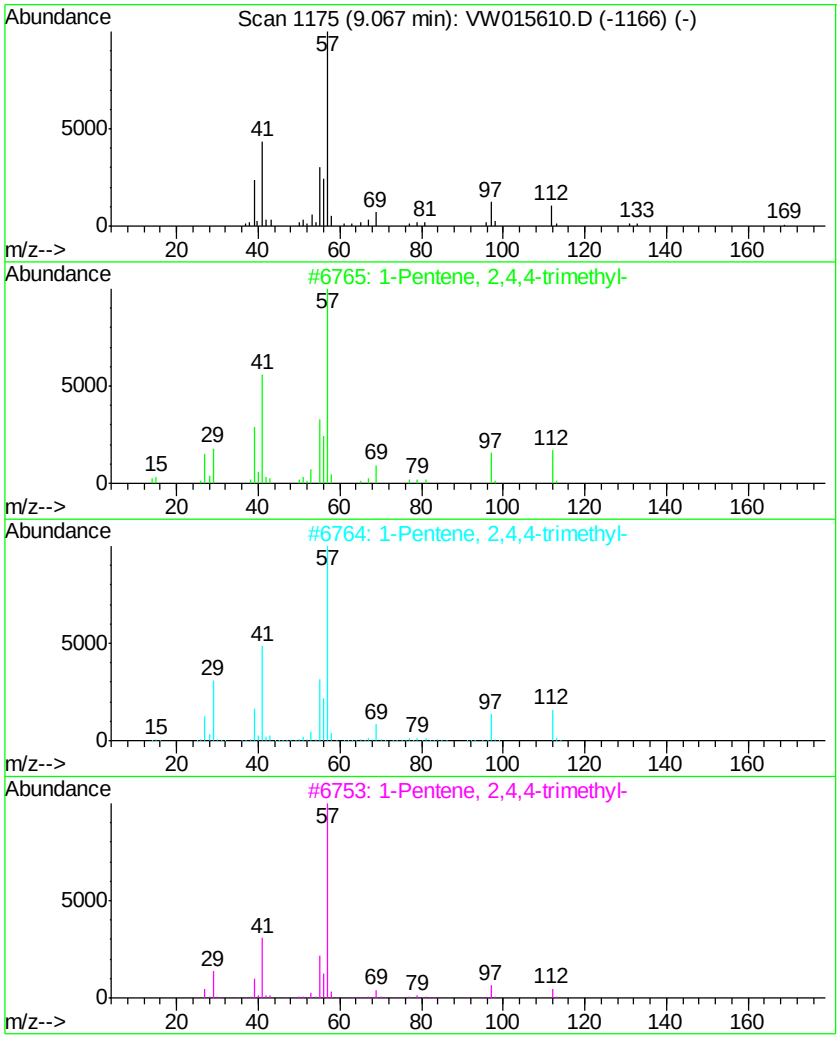
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
Quant Title : VOC Analysis

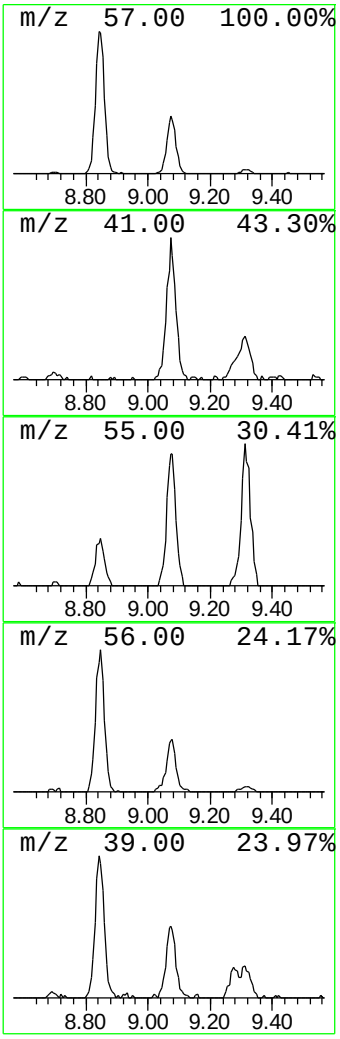
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.07	1.39 ug/L	42306	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	93
2	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	81
3	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	52
4	2-Hexene, 5,5-dimethyl-, (Z)-	112	C8H16	039761-61-0	47
5	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW061620\
Data File : VW015610.D
Acq On : 16 Jun 2020 16:17
Operator : SY/VA
Sample : L3027-04
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2K8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
Quant Title : VOC Analysis

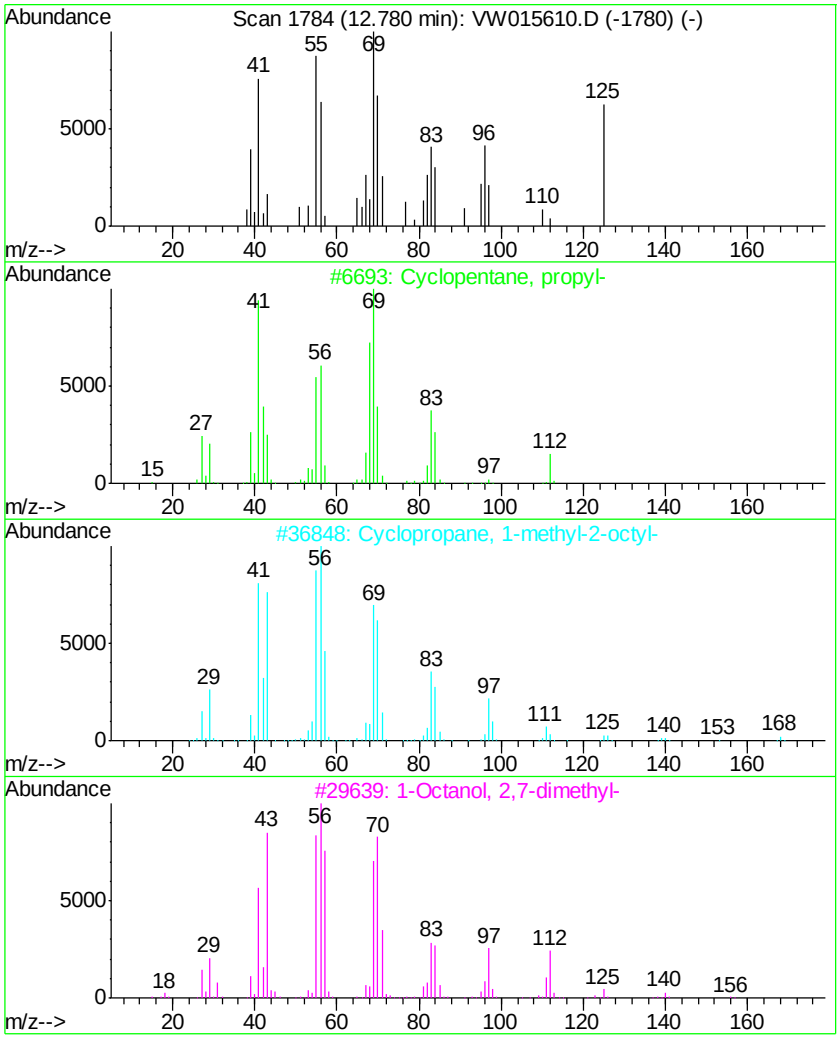
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

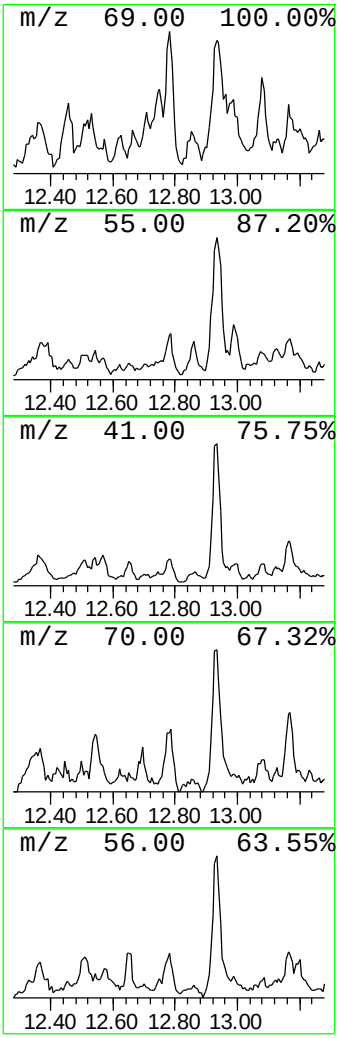
****

Peak Number 6 (DEL) Alkane: Cyclic12.78 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	1.31 ug/L	17416	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, propyl-	112	C8H16	002040-96-2	47
2	Cyclopropane, 1-methyl-2-octyl-	168	C12H24	037617-26-8	35
3	1-Octanol, 2,7-dimethyl-	158	C10H22O	015250-22-3	27
4	1-Decanol	158	C10H22O	000112-30-1	27
5	2-Propen-1-one, 1-cyclopropyl-	96	C6H8O	059819-62-4	27





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW061620\
Data File : VW015610.D
Acq On : 16 Jun 2020 16:17
Operator : SY/VA
Sample : L3027-04
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2K8

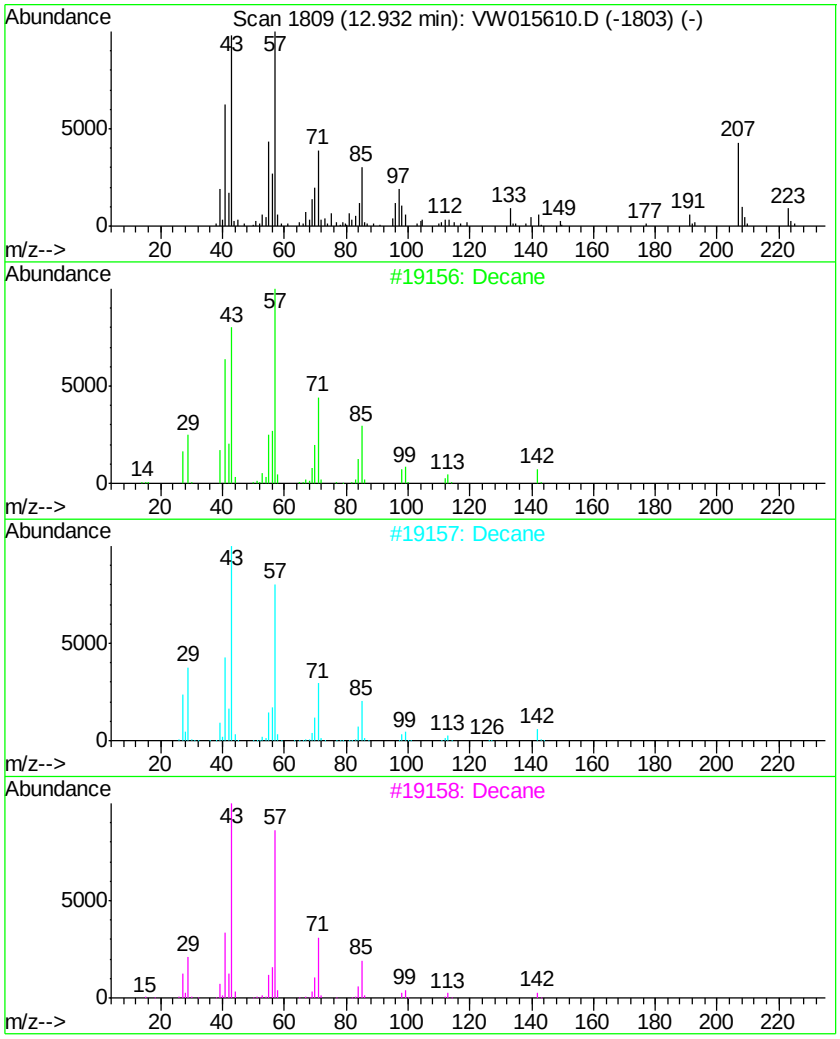
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
Quant Title : VOC Analysis

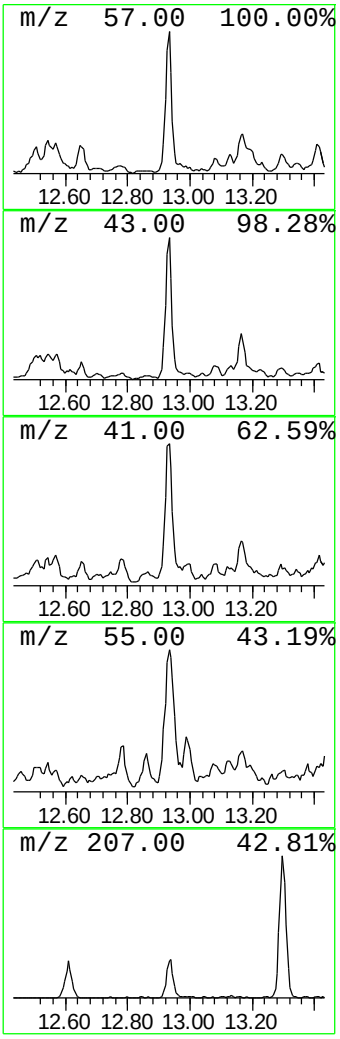
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	6.78 ug/L	90146	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	89
2	Decane	142	C10H22	000124-18-5	80
3	Decane	142	C10H22	000124-18-5	42
4	Undecane	156	C11H24	001120-21-4	35
5	Undecane	156	C11H24	001120-21-4	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW061620\
Data File : VW015610.D
Acq On : 16 Jun 2020 16:17
Operator : SY/VA
Sample : L3027-04
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2K8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
Quant Title : VOC Analysis

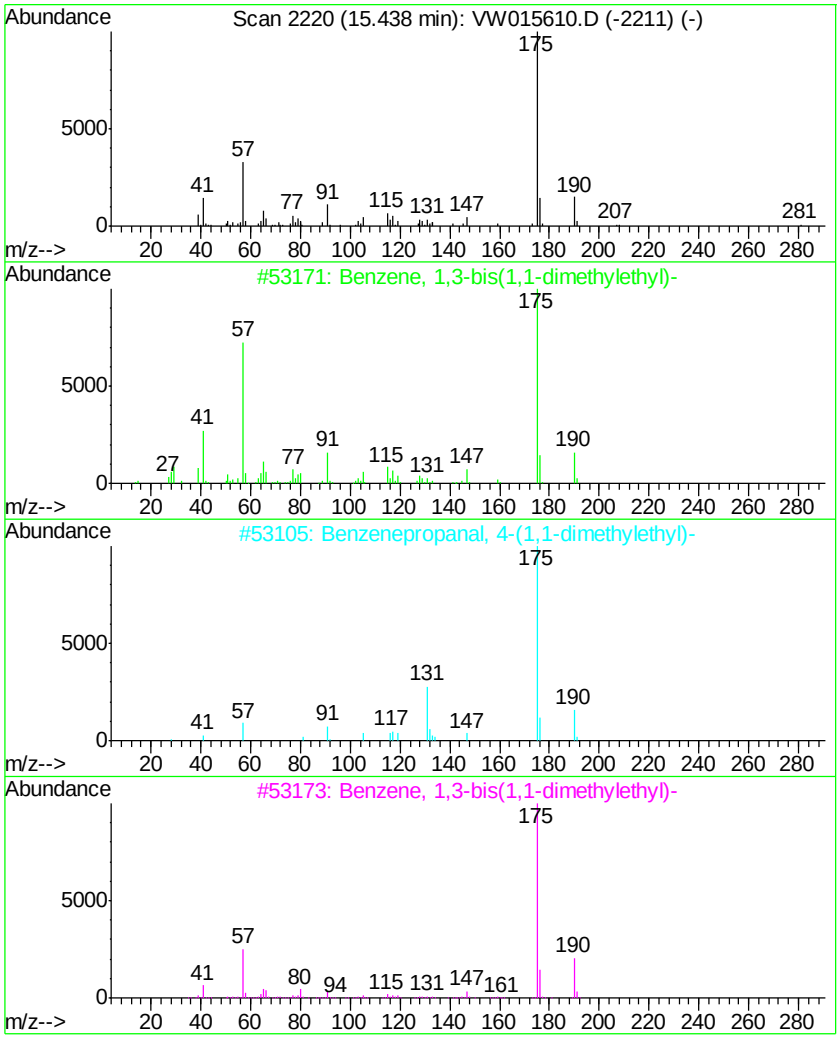
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

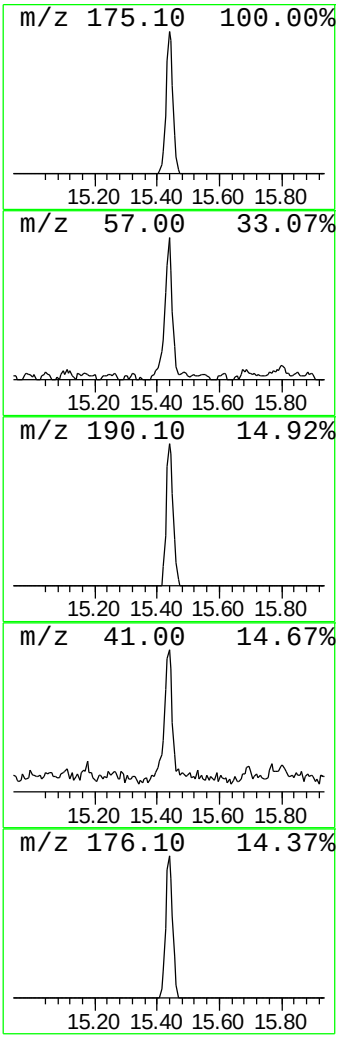
****

Peak Number 10 Benzene, 1,3-bis(1,1-dimeth... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.44	3.05 ug/L	40498	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-bis(1,1-dimethyleth...	190	C14H22	001014-60-4	90
2	Benzenepropanal, 4-(1,1-dimethyl...	190	C13H18O	018127-01-0	87
3	Benzene, 1,3-bis(1,1-dimethyleth...	190	C14H22	001014-60-4	83
4	Benzene, 1,4-bis(1,1-dimethyleth...	190	C14H22	001012-72-2	83
5	Benzene, 1,4-bis(1,1-dimethyleth...	190	C14H22	001012-72-2	80





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW061620\
Data File : VW015610.D
Acq On : 16 Jun 2020 16:17
Operator : SY/VA
Sample : L3027-04
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2K8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.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
(DEL) Alkane: Str...	9.07	1.4	ug/L	42306	1	8.85	759799	25.0
(DEL) Alkane: Cyc...	12.78	1.3	ug/L	17416	3	13.56	332274	25.0
(DEL) Alkane: Str...	12.93	6.8	ug/L	90146	3	13.56	332274	25.0
Benzene, 1,3-bis(...	15.44	3.0	ug/L	40498	3	13.56	332274	25.0