LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103019\
Data File : VW013845.D
Acq On : 30 Oct 2019 18:37
Operator : SY/VA
Sample : K5596-07
Misc : 3.98G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA8

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\SOM2WLM101819S.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	2.342	67	72	79	rVB	35563	54848	14.49%	1.635%
2	2.867	153	158	170	rVB	18061	48688	12.86%	1.451%
3	3.202	211	213	218	rVB2	510	558	0.15%	0.017%
4	3.537	258	268	282	rVV2	7408	20087	5.31%	0.599%
5	3.818	310	314	318	rBV2	291	451	0.12%	0.013%
6	4.007	335	345	357	rVV2	52876	137404	36.30%	4.095%
7	4.123	357	364	374	rVB3	11783	30291	8.00%	0.903%
8	4.391	398	408	414	rBV5	1842	4594	1.21%	0.137%
9	4.488	422	424	427	rBV3	302	318	0.08%	0.009%
10	4.665	443	453	470	rBV2	58524	173777	45.91%	5.179%
11	5.116	524	527	529	rVV3	456	392	0.10%	0.012%
12	5.257	548	550	553	rVB2	324	360	0.10%	0.011%
13	5.287	553	555	558	rBV2	306	259	0.07%	0.008%
14	5.318	558	560	564	rVB2	220	291	0.08%	0.009%
15	5.378	566	570	572	rVB3	324	341	0.09%	0.010%
16	5.781	632	636	642	rVV4	736	1619	0.43%	0.048%
17	5.866	649	650	653	rBV2	290	322	0.09%	0.010%
18	5.933	653	661	670	rVB4	3812	11384	3.01%	0.339%
19	6.116	688	691	693	rVB2	517	593	0.16%	0.018%
20	6.189	701	703	706	rVB2	404	330	0.09%	0.010%
21	6.311	721	723	726	rVB	355	268	0.07%	0.008%
22	6.342	726	728	729	rBV	375	284	0.08%	0.008%
23	6.439	742	744	747	rBV	276	320	0.08%	0.010%
24	6.543	758	761	764	rVB2	382	410	0.11%	0.012%
25	6.726	787	791	792	rVB2	261	252	0.07%	0.008%
26	6.762	792	797	798	rBV	245	336	0.09%	0.010%
27	6.805	802	804	807	rVB	325	404	0.11%	0.012%
28	6.897	815	819	820	rBV3	528	411	0.11%	0.012%
29	7.006	836	837	841	rBV2	467	485	0.13%	0.014%
30	7.079	841	849	864	rBV4	13589	51312	13.56%	1.529%
31	7.250	869	877	887	rVB2	37370	92622	24.47%	2.760%
32	7.409	901	903	904	rBV	295	252	0.07%	0.008%
33	7.439	907	908	912	rVB2	255	286	0.08%	0.009%
34	7.524	919	922	924	rVB	304	333	0.09%	0.010%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103019\
Data File : VW013845.D
Acq On : 30 Oct 2019 18:37
Operator : SY/VA
Sample : K5596-07
Misc : 3.98G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA8

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\SOM2WLM101819S.M
Title : VOC Analysis

35	7.549	924	926	929	rVB2	296	335	0.09%	0.010%
36	7.646	929	942	955	rBV	62075	159500	42.14%	4.754%
37	7.951	989	992	995	rVV2	270	290	0.08%	0.009%
38	8.165	1025	1027	1032	rVB2	393	405	0.11%	0.012%
39	8.274	1034	1045	1061	rBV2	126003	378476	100.00%	11.280%
40	8.384	1061	1063	1066	rVV3	330	294	0.08%	0.009%
41	8.427	1069	1070	1074	rBV2	407	346	0.09%	0.010%
42	8.549	1086	1090	1097	rVB4	1022	2416	0.64%	0.072%
43	8.707	1108	1116	1124	rBV4	830	2397	0.63%	0.071%
44	8.841	1130	1138	1145	rBV	105403	208858	55.18%	6.225%
45	8.975	1156	1160	1162	rVB2	324	453	0.12%	0.014%
46	9.036	1166	1170	1173	rBV3	1214	2245	0.59%	0.067%
47	9.183	1193	1194	1198	rVB2	431	294	0.08%	0.009%
48	9.274	1200	1209	1219	rBV	86131	174449	46.09%	5.199%
49	9.402	1227	1230	1231	rBV	1004	1002	0.26%	0.030%
50	9.597	1257	1262	1266	rVV3	1273	2448	0.65%	0.073%
51	9.658	1266	1272	1277	rVB5	2046	4269	1.13%	0.127%
52	9.902	1308	1312	1314	rVB	302	310	0.08%	0.009%
53	9.975	1322	1324	1326	rBV2	295	289	0.08%	0.009%
54	10.036	1326	1334	1344	rVB	42762	79773	21.08%	2.378%
55	10.152	1348	1353	1360	rVB4	3715	7124	1.88%	0.212%
56	10.323	1373	1381	1388	rVV	176268	306646	81.02%	9.139%
57	10.390	1388	1392	1399	rVB	10572	18849	4.98%	0.562%
58	10.530	1410	1415	1417	rBV4	2442	2945	0.78%	0.088%
59	10.579	1417	1423	1429	rVB	30600	49964	13.20%	1.489%
60	10.701	1437	1443	1455	rVB	13234	23832	6.30%	0.710%
61	10.786	1455	1457	1460	rBV	383	322	0.09%	0.010%
62	10.926	1473	1480	1488	rBV	55502	100137	26.46%	2.984%
63	11.073	1498	1504	1512	rVB5	4867	9308	2.46%	0.277%
64	11.201	1521	1525	1529	rVB4	1440	1736	0.46%	0.052%
65	11.243	1529	1532	1534	rBV2	414	455	0.12%	0.014%
66	11.505	1574	1575	1578	rBV	383	302	0.08%	0.009%
67	11.633	1588	1596	1603	rBV	147862	253740	67.04%	7.562%
68	11.835	1623	1629	1635	rBV8	2287	5749	1.52%	0.171%
69	11.908	1640	1641	1643	rVV	902	523	0.14%	0.016%
70	11.944	1643	1647	1653	rVB3	1120	1940	0.51%	0.058%
71	12.005	1653	1657	1658	rBV	209	326	0.09%	0.010%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103019\
Data File : VW013845.D
Acq On : 30 Oct 2019 18:37
Operator : SY/VA
Sample : K5596-07
Misc : 3.98G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA8

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\SOM2WLM101819S.M
Title : VOC Analysis

72	12.024	1658	1660	1665	rVB3	450	520	0.14%	0.015%
73	12.091	1668	1671	1675	rVV3	525	877	0.23%	0.026%
74	12.170	1681	1684	1687	rBV3	542	491	0.13%	0.015%
75	12.341	1707	1712	1717	rBV5	2154	3773	1.00%	0.112%
76	12.396	1717	1721	1728	rVB3	2495	3871	1.02%	0.115%
77	12.609	1749	1756	1763	rVV	144273	236019	62.36%	7.034%
78	12.694	1763	1770	1777	rVV	80905	128705	34.01%	3.836%
79	12.853	1793	1796	1799	rBV3	531	608	0.16%	0.018%
80	12.938	1806	1810	1812	rBV2	1390	1701	0.45%	0.051%
81	13.011	1820	1822	1825	rBV	327	317	0.08%	0.009%
82	13.054	1825	1829	1836	rVB5	1083	1990	0.53%	0.059%
83	13.176	1848	1849	1852	rBV3	274	333	0.09%	0.010%
84	13.231	1855	1858	1859	rBV	302	365	0.10%	0.011%
85	13.273	1859	1865	1875	rVB6	2640	5925	1.57%	0.177%
86	13.401	1880	1886	1890	rVB5	2530	4089	1.08%	0.122%
87	13.560	1905	1912	1921	rVB	125832	205056	54.18%	6.111%
88	13.651	1921	1927	1932	rBV2	15987	26491	7.00%	0.790%
89	13.853	1953	1960	1967	rBV	113319	189724	50.13%	5.654%
90	14.072	1990	1996	2003	rVB2	50090	80846	21.36%	2.409%
91	14.133	2003	2006	2007	rBV2	553	373	0.10%	0.011%
92	14.151	2007	2009	2010	rVB2	825	378	0.10%	0.011%
93	14.523	2066	2070	2077	rVB5	4727	7203	1.90%	0.215%
94	14.724	2102	2103	2105	rVB	1100	631	0.17%	0.019%
95	15.090	2161	2163	2165	rBV	492	387	0.10%	0.012%
96	15.139	2170	2171	2173	rVB2	700	338	0.09%	0.010%
97	15.322	2200	2201	2202	rBV	1026	576	0.15%	0.017%
98	15.493	2225	2229	2235	rVB	9757	15322	4.05%	0.457%
99	16.102	2328	2329	2330	rVB	989	362	0.10%	0.011%
100	16.175	2339	2341	2343	rBV2	685	421	0.11%	0.013%

Sum of corrected areas: 3355321

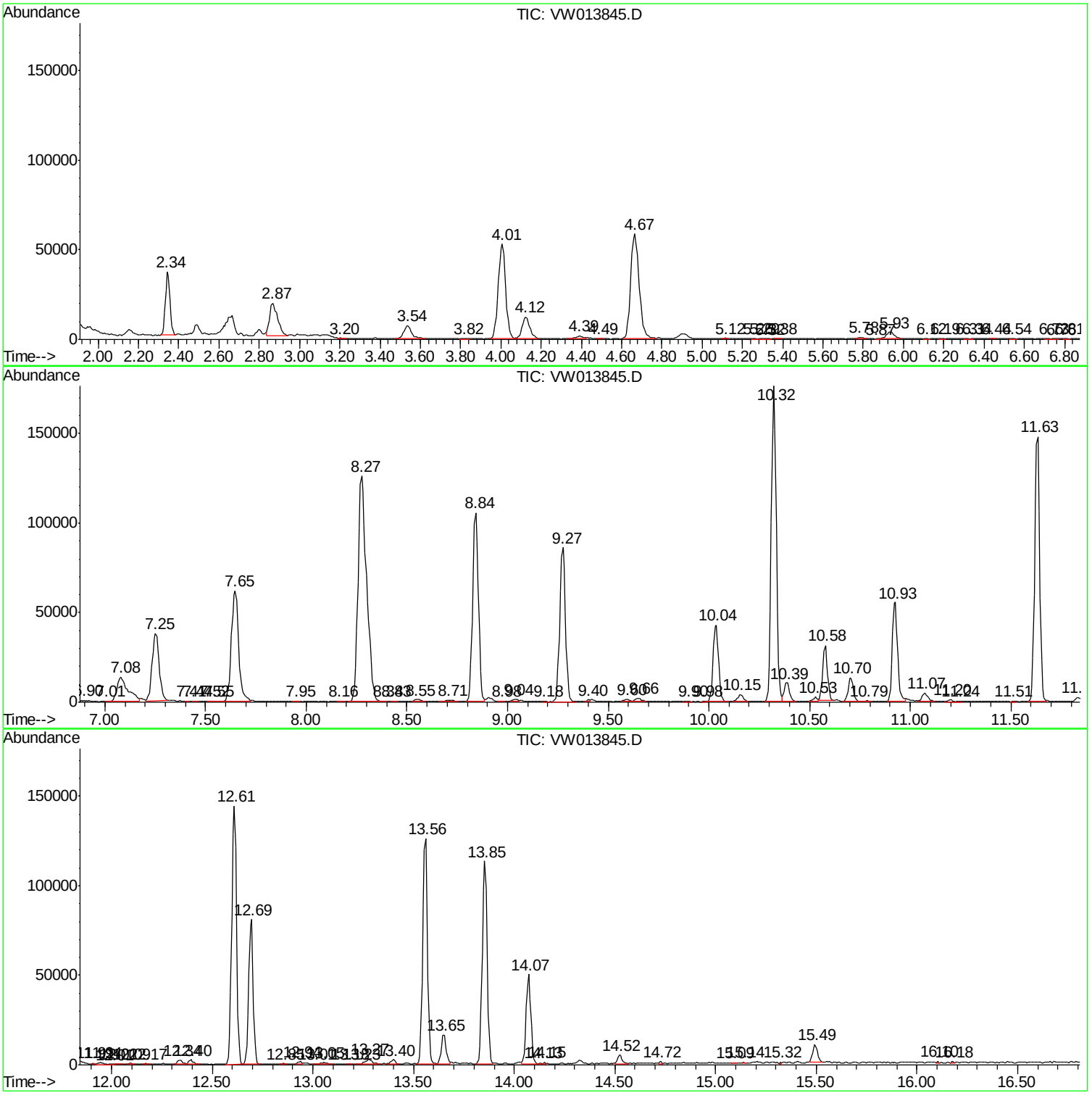
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103019\
Data File : VW013845.D
Acq On : 30 Oct 2019 18:37
Operator : SY/VA
Sample : K5596-07
Misc : 3.98G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.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\VW103019\
Data File : VW013845.D
Acq On : 30 Oct 2019 18:37
Operator : SY/VA
Sample : K5596-07
Misc : 3.98G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

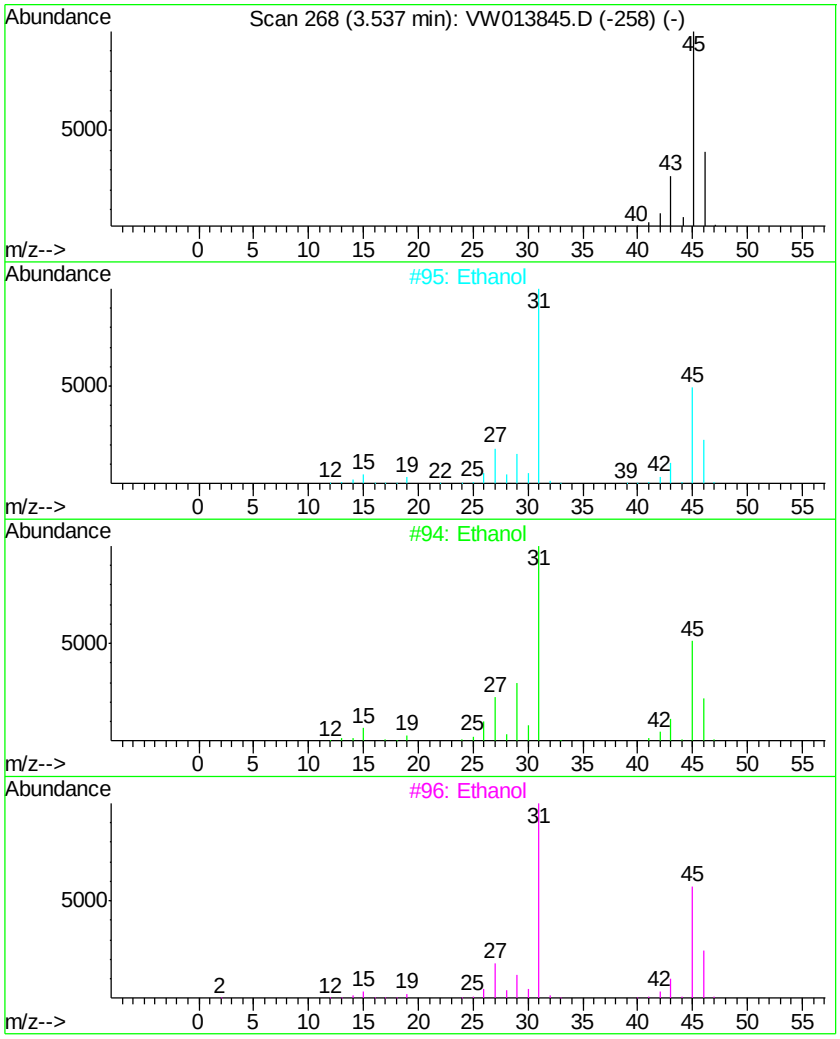
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

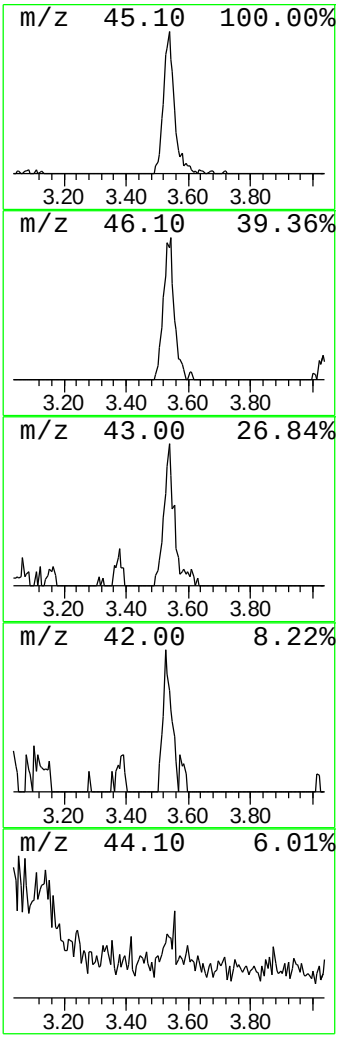
****

Peak Number 1 Ethanol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.54	2.40 ug/L	20087	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol	46	C2H6O	000064-17-5	83
2	Ethanol	46	C2H6O	000064-17-5	74
3	Ethanol	46	C2H6O	000064-17-5	9
4	Dimethyl ether	46	C2H6O	000115-10-6	5
5	Methane, nitroso-	45	CH3NO	000865-40-7	4





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103019\
Data File : VW013845.D
Acq On : 30 Oct 2019 18:37
Operator : SY/VA
Sample : K5596-07
Misc : 3.98G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

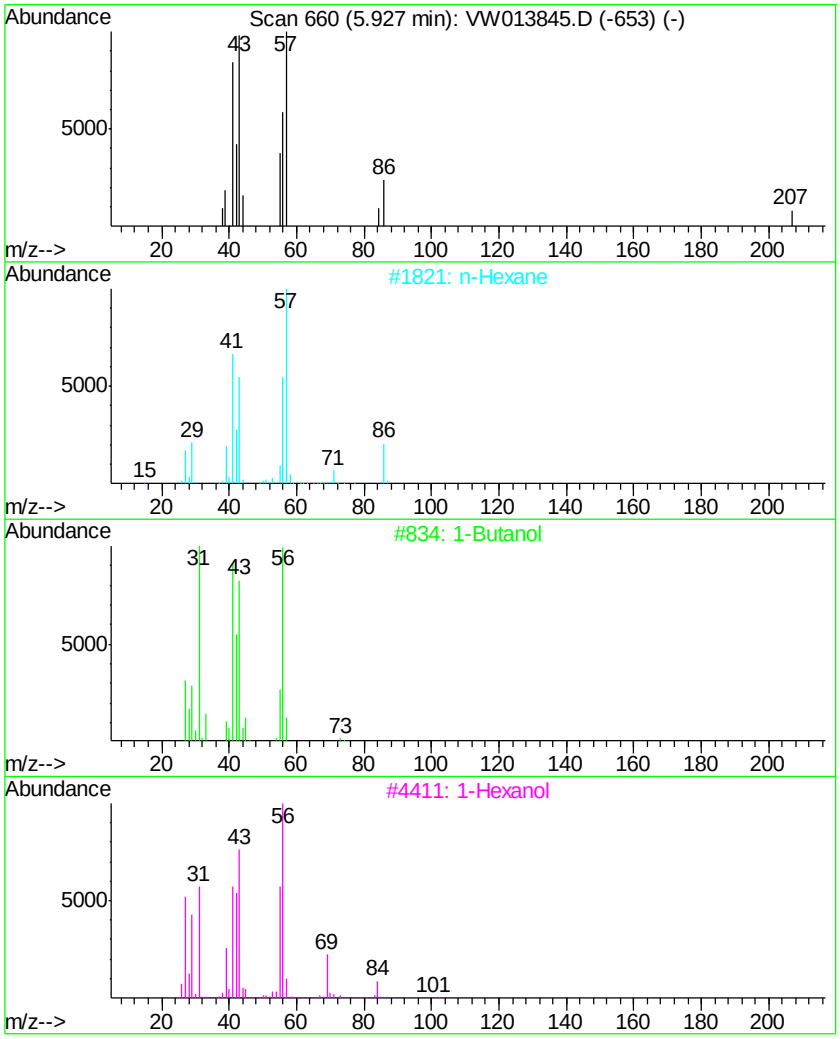
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

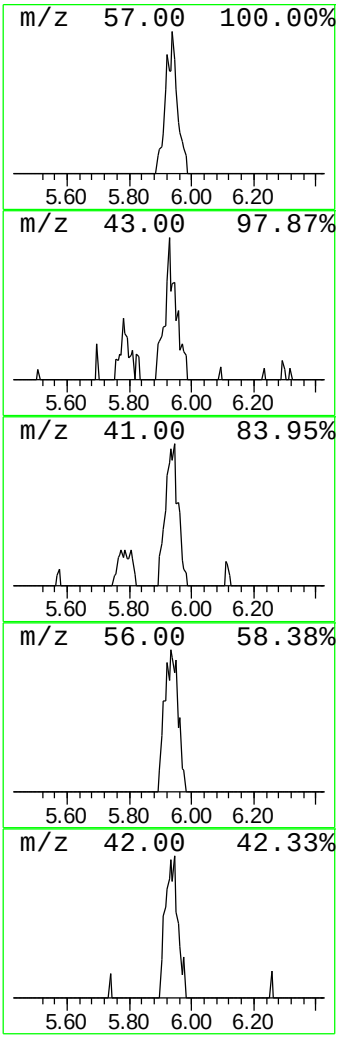
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.93	1.36 ug/L	11384	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	64
2	1-Butanol	74	C4H10O	000071-36-3	42
3	1-Hexanol	102	C6H14O	000111-27-3	33
4	Methoxyacetonitrile	71	C3H5NO	001738-36-9	16
5	Furan, tetrahydro-3-methyl-	86	C5H10O	013423-15-9	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103019\
Data File : VW013845.D
Acq On : 30 Oct 2019 18:37
Operator : SY/VA
Sample : K5596-07
Misc : 3.98G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

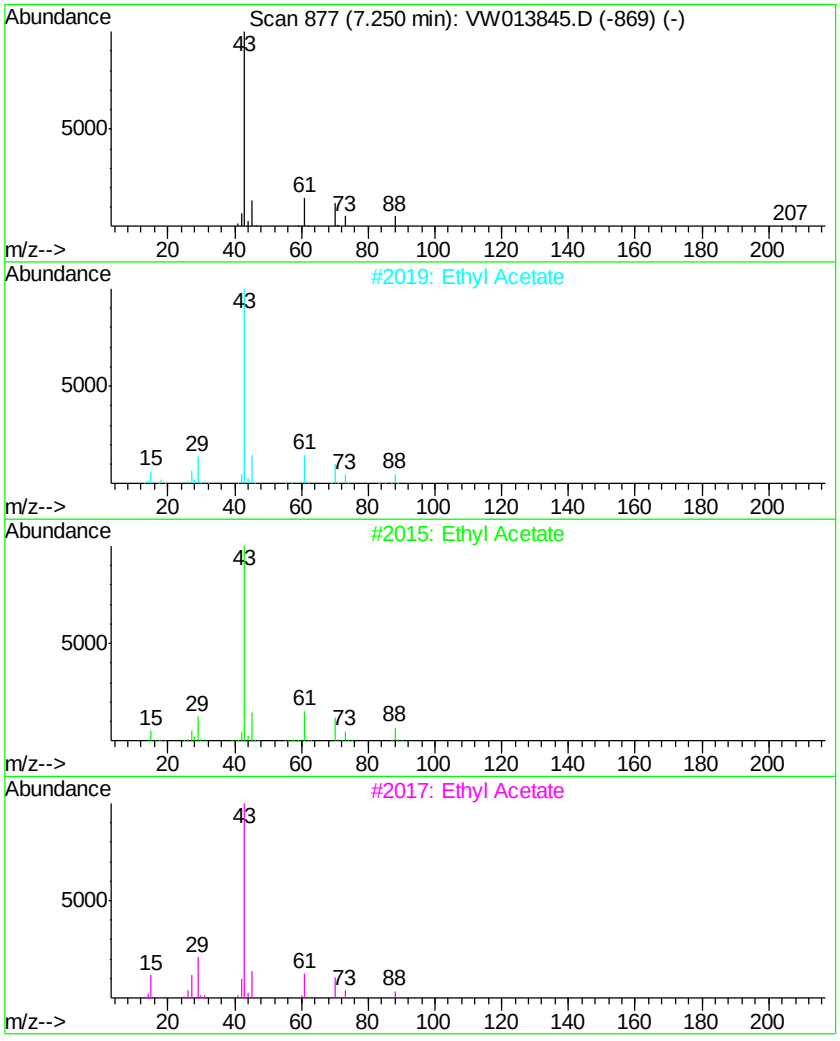
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

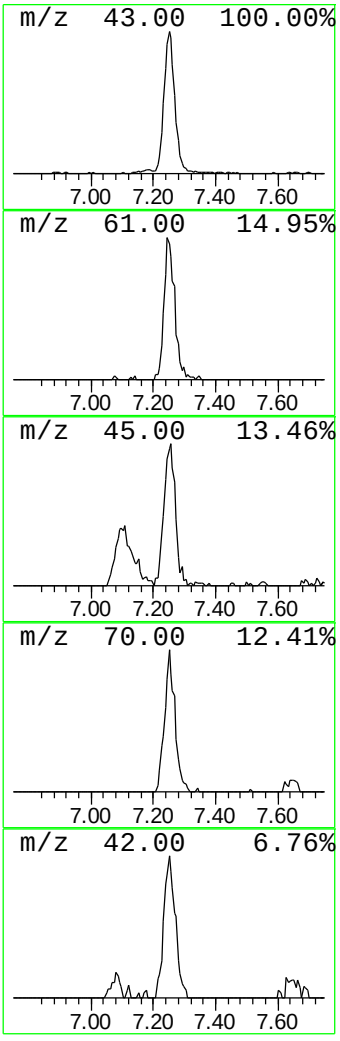
****

Peak Number 3 Ethyl Acetate Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.25	11.09 ug/L	92622	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl Acetate	88	C4H8O2	000141-78-6	90
2	Ethyl Acetate	88	C4H8O2	000141-78-6	90
3	Ethyl Acetate	88	C4H8O2	000141-78-6	86
4	Ethyl Acetate	88	C4H8O2	000141-78-6	86
5	CH3C(O)CH2CH2OH	88	C4H8O2	000590-90-9	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103019\
Data File : VW013845.D
Acq On : 30 Oct 2019 18:37
Operator : SY/VA
Sample : K5596-07
Misc : 3.98G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

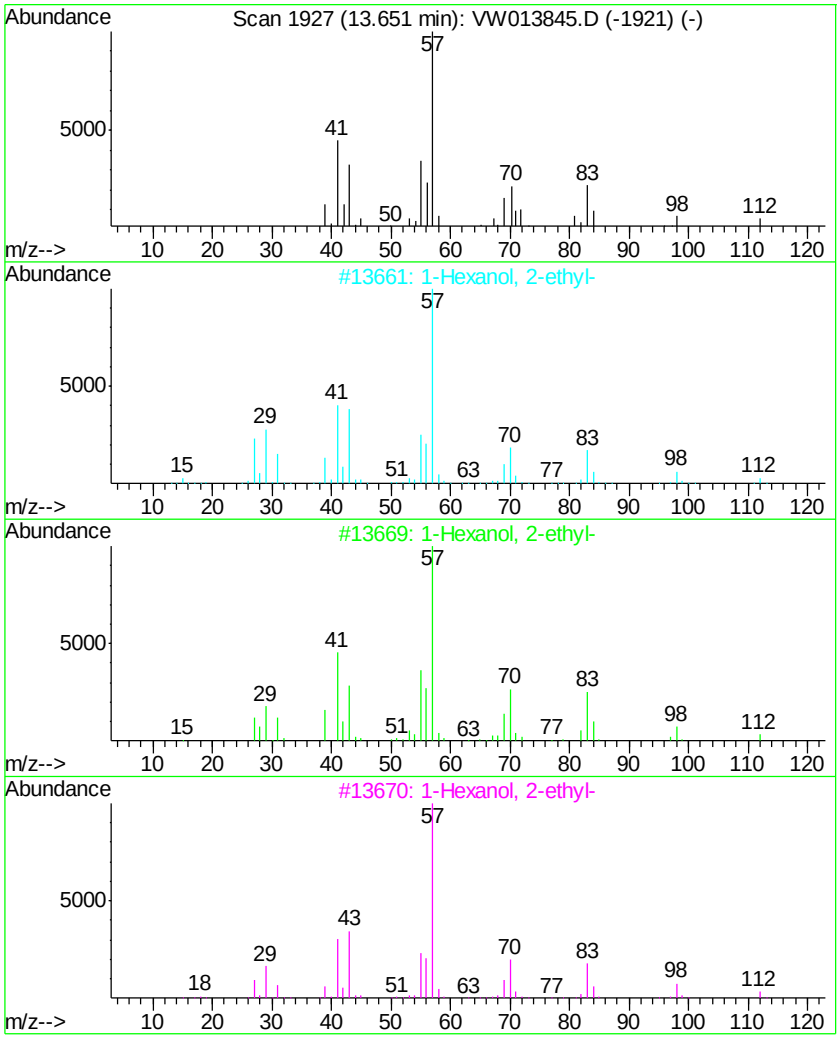
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

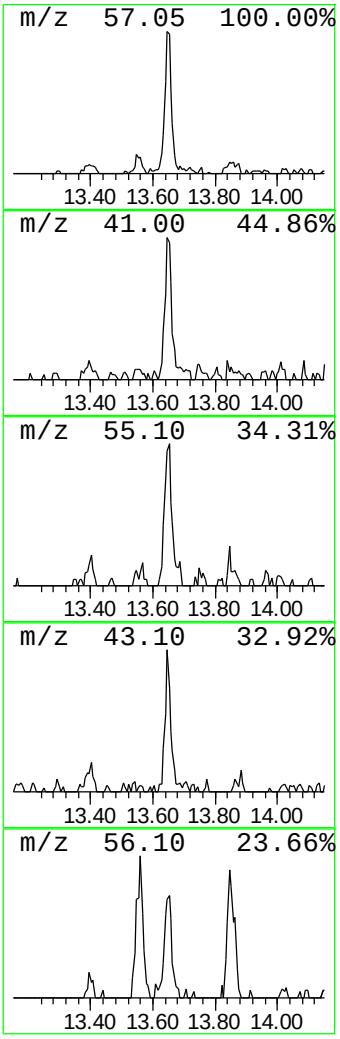
****

Peak Number 7 1-Hexanol, 2-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	3.23 ug/L	26491	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	78
2	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	72
3	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	64
4	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	56
5	2-Propyl-1-pentanol	130	C8H18O	058175-57-8	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103019\
Data File : VW013845.D
Acq On : 30 Oct 2019 18:37
Operator : SY/VA
Sample : K5596-07
Misc : 3.98G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.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
Ethanol	3.54	2.4	ug/L	20087	1	8.84	208858	25.0
(DEL) Alkane: Str...	5.93	1.4	ug/L	11384	1	8.84	208858	25.0
Ethyl Acetate	7.25	11.1	ug/L	92622	1	8.84	208858	25.0
1-Hexanol, 2-ethyl-	13.65	3.2	ug/L	26491	3	13.56	205056	25.0