LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013751.D
Acq On : 25 Oct 2019 16:32
Operator : SY/VA
Sample : K5549-07
Misc : 3.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQ60

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	2.355	68	74	87	rVB	110518	210992	15.35%	2.538%
2	2.501	93	98	106	rBV2	22081	53721	3.91%	0.646%
3	2.891	154	162	176	rBV	76261	182769	13.29%	2.198%
4	3.032	180	185	189	rBV7	2447	5237	0.38%	0.063%
5	3.141	201	203	205	rVV2	948	631	0.05%	0.008%
6	3.166	205	207	210	rVB2	1241	952	0.07%	0.011%
7	3.294	227	228	233	rVB2	494	596	0.04%	0.007%
8	3.391	233	244	251	rBV5	5658	13968	1.02%	0.168%
9	3.708	294	296	299	rVV4	513	629	0.05%	0.008%
10	4.019	335	347	359	rVV	157919	500556	36.41%	6.020%
11	4.129	360	365	380	rVB2	18284	54165	3.94%	0.651%
12	4.379	397	406	417	rBV2	3668	12353	0.90%	0.149%
13	4.678	448	455	457	rBV2	1870	3664	0.27%	0.044%
14	4.922	485	495	511	rBV4	6647	25702	1.87%	0.309%
15	5.787	626	637	647	rBV4	4565	14951	1.09%	0.180%
16	5.940	652	662	673	rVV5	3728	10681	0.78%	0.128%
17	6.129	691	693	697	rVB2	618	723	0.05%	0.009%
18	6.897	809	819	827	rBV6	2866	9165	0.67%	0.110%
19	7.080	840	849	861	rBV	48391	142438	10.36%	1.713%
20	7.256	870	878	891	rVB2	66545	167593	12.19%	2.016%
21	7.342	891	892	896	rVB3	854	701	0.05%	0.008%
22	7.647	932	942	956	rBV	226321	563773	41.01%	6.781%
23	7.951	982	992	993	rBV4	1775	3526	0.26%	0.042%
24	8.067	1007	1011	1018	rVB5	884	1953	0.14%	0.023%
25	8.159	1020	1026	1029	rVB4	917	1661	0.12%	0.020%
26	8.275	1034	1045	1063	rBV2	455728	1374812	100.00%	16.535%
27	8.396	1063	1065	1068	rVB3	887	1038	0.08%	0.012%
28	8.433	1068	1071	1072	rBV3	1029	1202	0.09%	0.014%
29	8.555	1084	1091	1100	rVB6	7999	19442	1.41%	0.234%
30	8.707	1107	1116	1125	rBV6	5791	16159	1.18%	0.194%
31	8.842	1129	1138	1148	rBV	322279	633645	46.09%	7.621%
32	9.055	1170	1173	1174	rBV2	786	849	0.06%	0.010%
33	9.274	1200	1209	1217	rBV	309640	620633	45.14%	7.465%
34	9.409	1227	1231	1241	rBV4	3356	7124	0.52%	0.086%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013751.D
Acq On : 25 Oct 2019 16:32
Operator : SY/VA
Sample : K5549-07
Misc : 3.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQ60

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	9.646	1266	1270	1272	rBV2	641	838	0.06%	0.010%
36	9.750	1284	1287	1291	rBV3	570	934	0.07%	0.011%
37	9.951	1315	1320	1325	rBV3	1219	2469	0.18%	0.030%
38	10.036	1325	1334	1346	rVV	148839	272295	19.81%	3.275%
39	10.323	1372	1381	1388	rBV	557190	986365	71.75%	11.863%
40	10.384	1388	1391	1403	rVB	28245	51031	3.71%	0.614%
41	10.506	1403	1411	1415	rBV3	5238	9916	0.72%	0.119%
42	10.579	1416	1423	1433	rBV	90820	155563	11.32%	1.871%
43	10.707	1439	1444	1449	rVB2	6942	11782	0.86%	0.142%
44	10.859	1464	1469	1474	rBV2	19283	34637	2.52%	0.417%
45	10.927	1474	1480	1486	rVV	171882	300617	21.87%	3.616%
46	10.975	1486	1488	1498	rVV2	12433	19736	1.44%	0.237%
47	11.067	1499	1503	1511	rVB3	6194	12521	0.91%	0.151%
48	11.183	1518	1522	1525	rVB4	1302	2316	0.17%	0.028%
49	11.225	1525	1529	1535	rVB3	1502	2757	0.20%	0.033%
50	11.335	1544	1547	1552	rVB4	835	1138	0.08%	0.014%
51	11.408	1552	1559	1567	rBV4	1348	3499	0.25%	0.042%
52	11.506	1571	1575	1576	rBV3	972	926	0.07%	0.011%
53	11.628	1588	1595	1604	rBV	319903	559348	40.69%	6.728%
54	11.725	1608	1611	1616	rVB5	2281	3634	0.26%	0.044%
55	11.841	1623	1630	1635	rBV4	8066	17424	1.27%	0.210%
56	12.030	1658	1661	1665	rBV4	621	979	0.07%	0.012%
57	12.170	1676	1684	1688	rVB5	3487	7062	0.51%	0.085%
58	12.237	1688	1695	1703	rBV	58473	94382	6.87%	1.135%
59	12.335	1708	1711	1718	rBV7	3635	7708	0.56%	0.093%
60	12.457	1729	1731	1733	rBV3	817	710	0.05%	0.009%
61	12.499	1736	1738	1743	rBV4	512	617	0.04%	0.007%
62	12.609	1751	1756	1761	rVB2	9942	15724	1.14%	0.189%
63	12.695	1762	1770	1776	rVB	200793	329702	23.98%	3.965%
64	12.786	1781	1785	1786	rBV4	1271	1441	0.10%	0.017%
65	12.865	1793	1798	1801	rBV2	3103	4698	0.34%	0.057%
66	12.938	1804	1810	1817	rVB6	11351	24284	1.77%	0.292%
67	13.103	1831	1837	1843	rVV2	2590	5662	0.41%	0.068%
68	13.170	1843	1848	1851	rVV5	1732	3225	0.23%	0.039%
69	13.207	1851	1854	1856	rVV3	1306	1597	0.12%	0.019%
70	13.249	1857	1861	1872	rVB4	5863	13104	0.95%	0.158%
71	13.389	1877	1884	1885	rBV5	1918	2883	0.21%	0.035%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013751.D
Acq On : 25 Oct 2019 16:32
Operator : SY/VA
Sample : K5549-07
Misc : 3.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQ60

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	13.438	1890	1892	1899	rVB6	1528	2598	0.19%	0.031%
73	13.554	1905	1911	1921	rBV	178296	302979	22.04%	3.644%
74	13.646	1922	1926	1931	rVB2	12544	18365	1.34%	0.221%
75	13.749	1938	1943	1946	rVB5	1841	2027	0.15%	0.024%
76	13.792	1946	1950	1953	rBV3	1436	2373	0.17%	0.029%
77	13.853	1953	1960	1969	rVV	189379	319483	23.24%	3.843%
78	14.017	1984	1987	1989	rBV4	1328	1773	0.13%	0.021%
79	14.078	1992	1997	2000	rVV4	3177	5886	0.43%	0.071%
80	14.127	2004	2005	2008	rVB3	943	678	0.05%	0.008%
81	14.200	2013	2017	2023	rVB7	1431	2723	0.20%	0.033%
82	14.249	2023	2025	2026	rBV2	639	655	0.05%	0.008%
83	14.280	2028	2030	2033	rBV2	898	651	0.05%	0.008%
84	14.334	2033	2039	2044	rBV7	2241	5057	0.37%	0.061%
85	14.383	2044	2047	2050	rBV5	2055	2391	0.17%	0.029%
86	14.493	2063	2065	2066	rBV2	1157	935	0.07%	0.011%
87	14.627	2083	2087	2090	rBV4	1135	1807	0.13%	0.022%
88	14.725	2098	2103	2107	rVB5	3865	6158	0.45%	0.074%
89	14.792	2110	2114	2118	rBV3	2488	3861	0.28%	0.046%
90	15.176	2175	2177	2180	rBV4	771	955	0.07%	0.011%
91	15.206	2180	2182	2184	rBV3	919	896	0.07%	0.011%
92	15.365	2204	2208	2216	rVB5	1585	3087	0.22%	0.037%
93	15.481	2225	2227	2229	rBV2	934	974	0.07%	0.012%
94	15.560	2236	2240	2243	rVB4	1251	1675	0.12%	0.020%
95	15.663	2255	2257	2259	rBV2	816	622	0.05%	0.007%
96	15.712	2263	2265	2267	rBV2	762	752	0.05%	0.009%
97	15.877	2290	2292	2293	rBV2	815	731	0.05%	0.009%
98	16.060	2320	2322	2325	rVB3	789	735	0.05%	0.009%
99	16.096	2325	2328	2331	rBV4	1084	1384	0.10%	0.017%
100	16.237	2349	2351	2354	rVV3	667	608	0.04%	0.007%

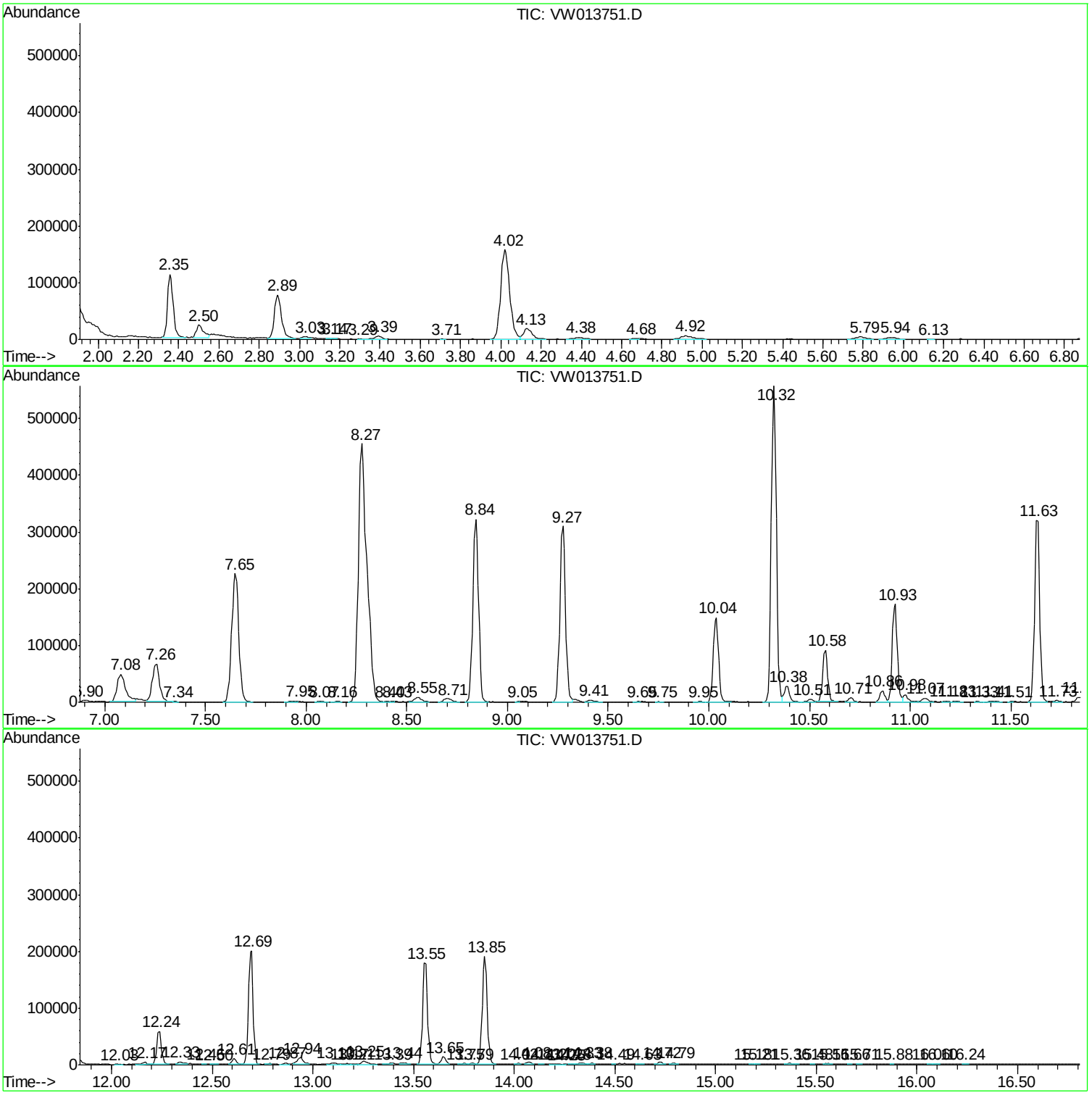
Sum of corrected areas: 8314347

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102519\
Data File : VW013751.D
Acq On : 25 Oct 2019 16:32
Operator : SY/VA
Sample : K5549-07
Misc : 3.99G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQ60

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102519\
Data File : VW013751.D
Acq On : 25 Oct 2019 16:32
Operator : SY/VA
Sample : K5549-07
Misc : 3.99G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQ60

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

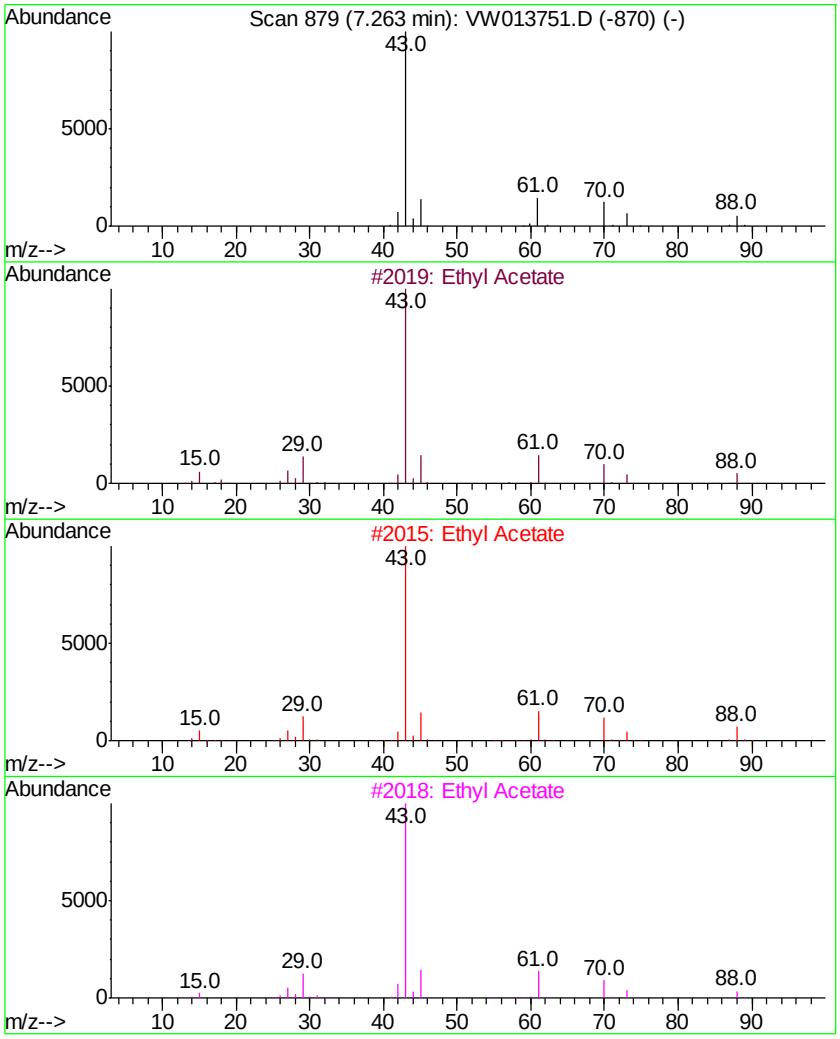
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

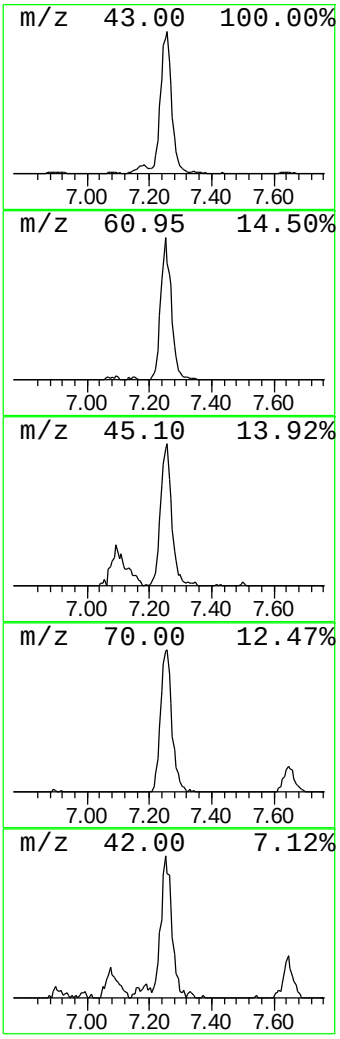
****

Peak Number 2 Ethyl Acetate Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.26	6.61 ug/L	167593	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	72
3	Ethyl Acetate	88	C4H8O2	000141-78-6	72
4	Ethyl Acetate	88	C4H8O2	000141-78-6	50
5	CH3C(O)CH2CH2OH	88	C4H8O2	000590-90-9	33





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102519\
Data File : VW013751.D
Acq On : 25 Oct 2019 16:32
Operator : SY/VA
Sample : K5549-07
Misc : 3.99G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQ60

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

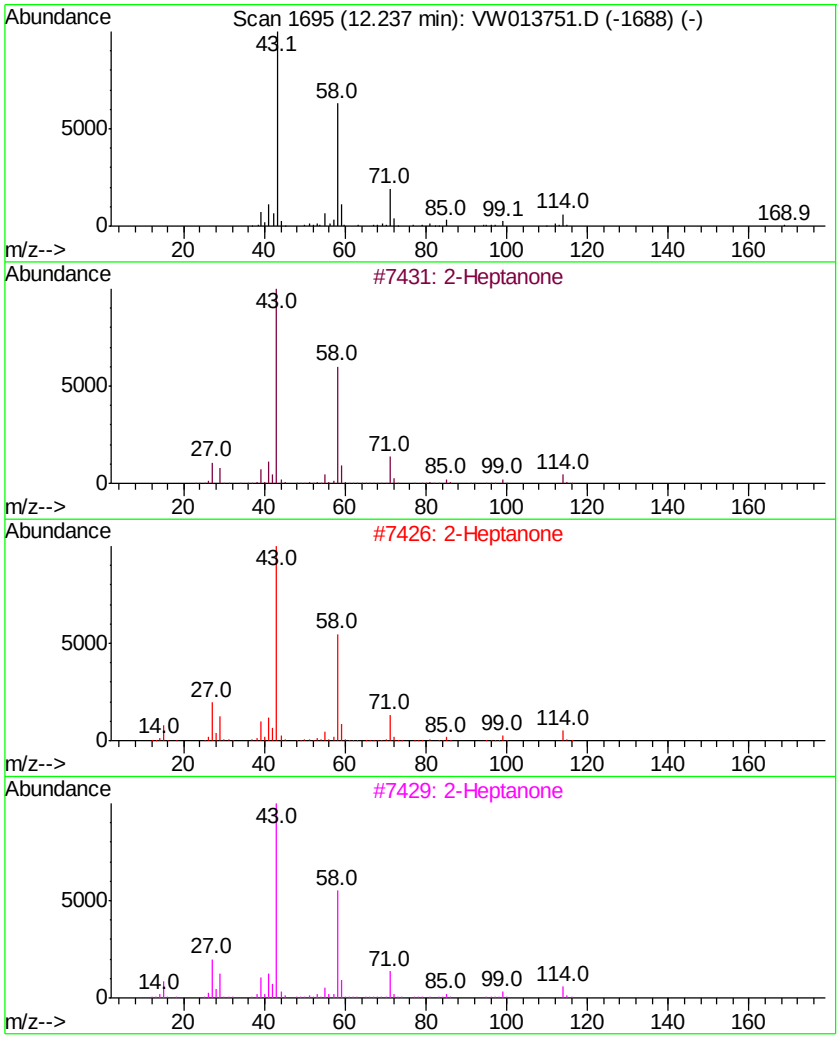
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

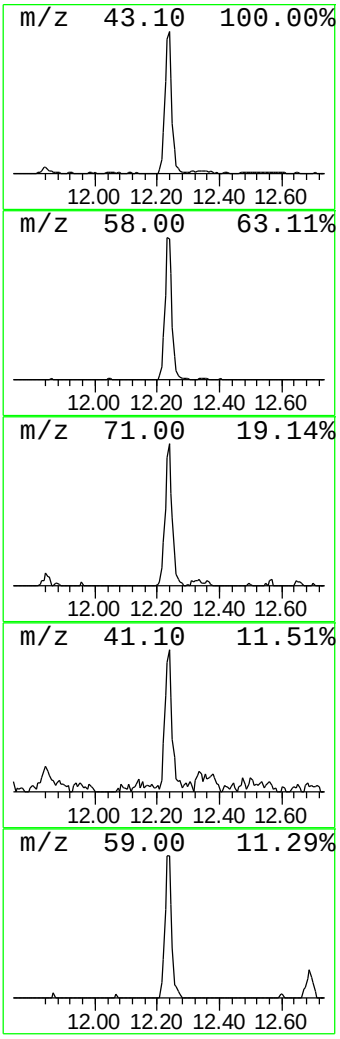
****

Peak Number 4 2-Heptanone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	4.22 ug/L	94382	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptanone	114	C7H14O	000110-43-0	91
2	2-Heptanone	114	C7H14O	000110-43-0	83
3	2-Heptanone	114	C7H14O	000110-43-0	80
4	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	64
5	2-Octanone	128	C8H16O	000111-13-7	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102519\
Data File : VW013751.D
Acq On : 25 Oct 2019 16:32
Operator : SY/VA
Sample : K5549-07
Misc : 3.99G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQ60

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

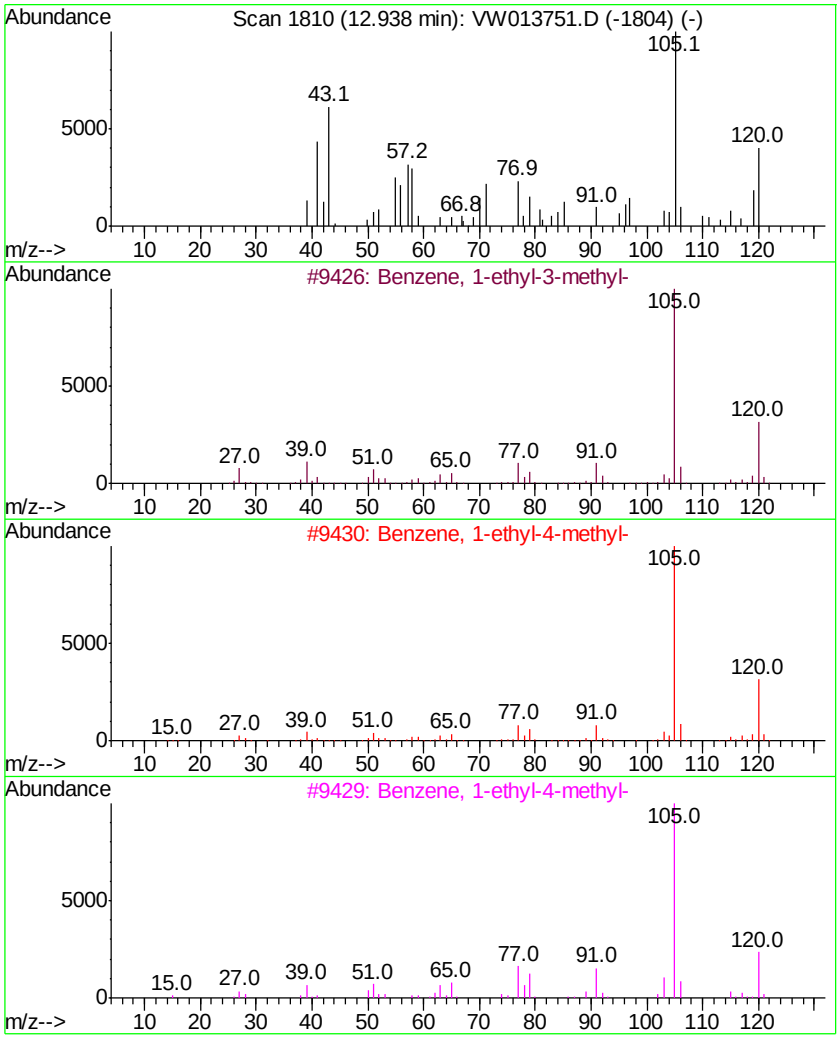
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

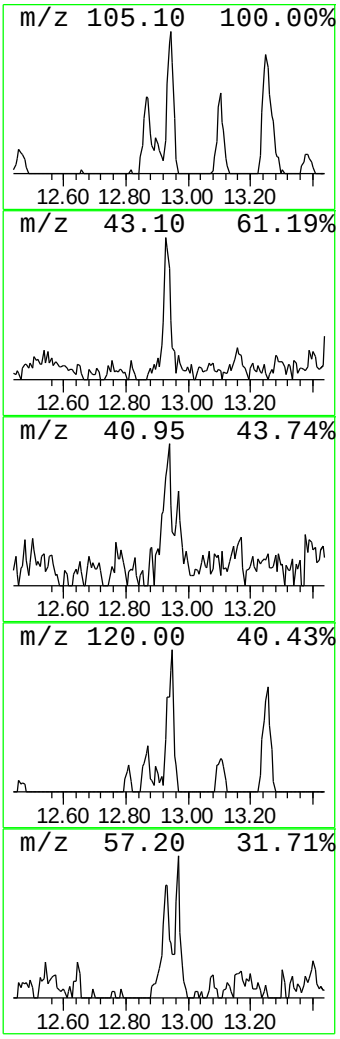
****

Peak Number 6 Benzene, 1-ethyl-3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	2.00 ug/L	24284	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	43
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	43
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	38
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	38
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102519\
Data File : VW013751.D
Acq On : 25 Oct 2019 16:32
Operator : SY/VA
Sample : K5549-07
Misc : 3.99G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQ60

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

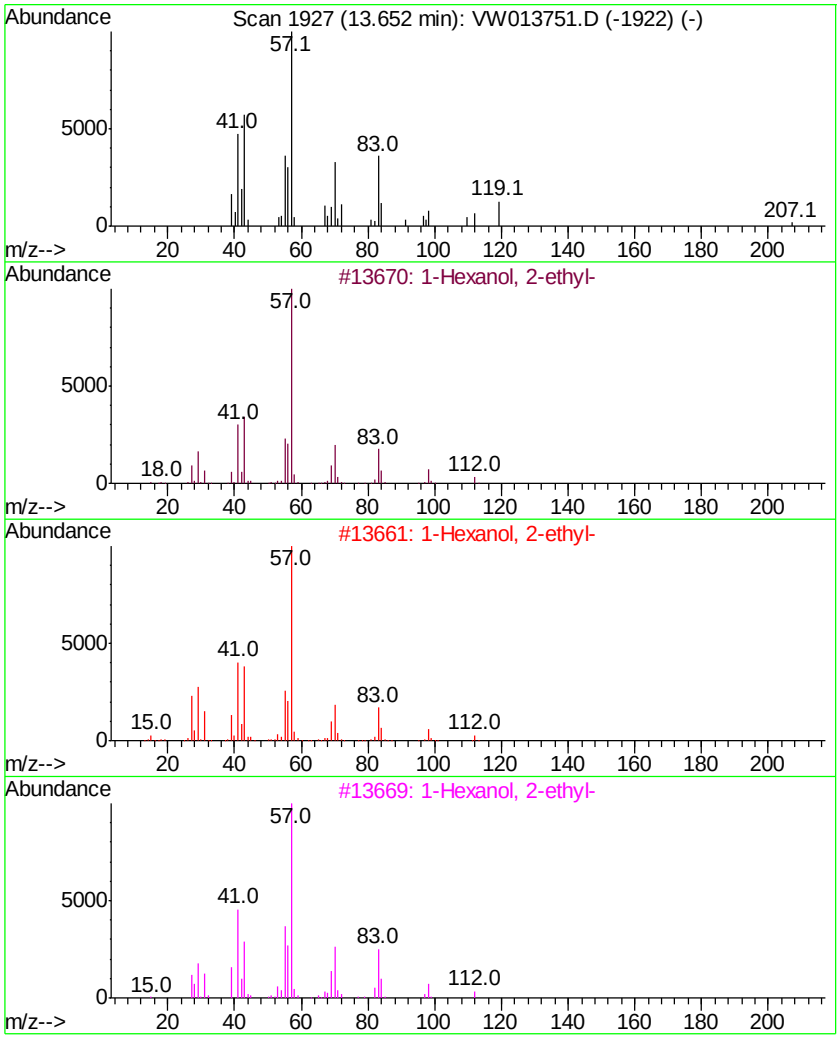
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

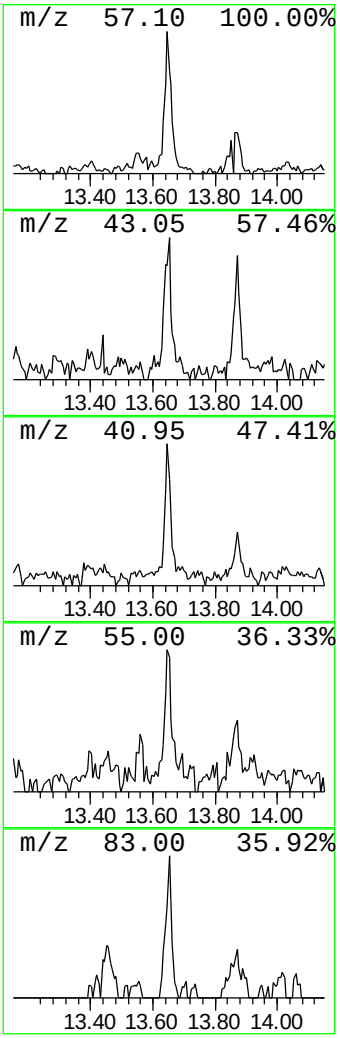
****

Peak Number 7 1-Hexanol, 2-ethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	1.52 ug/L	18365	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	64
2	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	64
3	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	59
4	Decyl isobutyl carbonate	258	C15H30O3	959226-07-4	59
5	1-Pentanol, 2-ethyl-4-methyl-	130	C8H18O	000106-67-2	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102519\
Data File : VW013751.D
Acq On : 25 Oct 2019 16:32
Operator : SY/VA
Sample : K5549-07
Misc : 3.99G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQ60

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
Ethyl Acetate	7.26	6.6	ug/L	167593	1	8.84	633645	25.0
2-Heptanone	12.24	4.2	ug/L	94382	2	11.63	559348	25.0
Benzene, 1-ethyl-...	12.94	2.0	ug/L	24284	3	13.56	302979	25.0
1-Hexanol, 2-ethyl-	13.65	1.5	ug/L	18365	3	13.56	302979	25.0