

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071919\
 Data File : VW011385.D
 Acq On : 19 Jul 2019 18:29
 Operator : SY/VA
 Sample : K3863-16
 Misc : 4.07G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A52G5

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 0 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.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	2.153	34	41	59	rBV	206524	764017	74.99%	8.049%
2	2.885	156	161	172	rVB	44305	107433	10.55%	1.132%
3	3.385	236	243	250	rBV2	8628	19289	1.89%	0.203%
4	3.592	273	277	280	rVB4	1031	1678	0.16%	0.018%
5	3.659	286	288	291	rVB3	696	841	0.08%	0.009%
6	3.702	291	295	296	rBV3	923	1287	0.13%	0.014%
7	3.732	298	300	306	rVB4	1218	1740	0.17%	0.018%
8	3.787	306	309	311	rBV3	489	562	0.06%	0.006%
9	3.873	317	323	324	rBV5	1249	2524	0.25%	0.027%
10	4.019	334	347	357	rBV3	93095	307444	30.18%	3.239%
11	4.123	357	364	379	rVB	35986	104707	10.28%	1.103%
12	4.385	399	407	408	rBV2	2612	5330	0.52%	0.056%
13	4.665	443	453	464	rBV	11250	34114	3.35%	0.359%
14	4.836	478	481	485	rVB3	473	608	0.06%	0.006%
15	4.921	485	495	501	rBV9	2030	7662	0.75%	0.081%
16	5.116	522	527	532	rVV4	1440	2904	0.29%	0.031%
17	5.159	532	534	537	rVV3	975	1104	0.11%	0.012%
18	5.433	575	579	582	rBV3	551	929	0.09%	0.010%
19	5.781	626	636	646	rBV3	5309	17968	1.76%	0.189%
20	5.933	654	661	673	rVB7	2495	7592	0.75%	0.080%
21	6.104	682	689	692	rBV4	1775	4099	0.40%	0.043%
22	6.275	715	717	724	rVB4	423	823	0.08%	0.009%
23	6.592	766	769	770	rBV	664	717	0.07%	0.008%
24	6.897	809	819	828	rBV3	8369	24336	2.39%	0.256%
25	7.073	839	848	860	rBV	67446	211700	20.78%	2.230%
26	7.342	890	892	897	rVB4	715	1041	0.10%	0.011%
27	7.494	914	917	919	rBV3	657	594	0.06%	0.006%
28	7.561	926	928	932	rVV4	481	739	0.07%	0.008%
29	7.646	932	942	956	rVV	172132	422577	41.48%	4.452%
30	7.774	957	963	973	rVB9	1982	6013	0.59%	0.063%
31	7.951	990	992	1000	rVB5	1026	1502	0.15%	0.016%
32	8.165	1024	1027	1032	rBV5	607	1079	0.11%	0.011%
33	8.274	1034	1045	1061	rBV2	330462	1018764	100.00%	10.733%
34	8.506	1077	1083	1084	rBV4	928	1516	0.15%	0.016%

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35	8.555	1084	1091	1100	rVB2	11528	26518	2.60%	0.279%
36	8.628	1100	1103	1106	rVB3	575	698	0.07%	0.007%
37	8.707	1109	1116	1127	rBV3	7822	19806	1.94%	0.209%
38	8.841	1129	1138	1149	rBV	342742	678325	66.58%	7.146%
39	9.085	1168	1178	1188	rVB6	7786	19429	1.91%	0.205%
40	9.274	1199	1209	1223	rVV	251396	518693	50.91%	5.465%
41	9.408	1225	1231	1244	rVB	80713	152725	14.99%	1.609%
42	9.658	1266	1272	1278	rVV3	4466	9035	0.89%	0.095%
43	10.036	1324	1334	1342	rBV	125161	228610	22.44%	2.408%
44	10.122	1344	1348	1352	rBV3	1785	3217	0.32%	0.034%
45	10.207	1360	1362	1367	rVB4	975	1392	0.14%	0.015%
46	10.323	1371	1381	1387	rBV	399056	716534	70.33%	7.549%
47	10.390	1387	1392	1402	rVB	67849	120604	11.84%	1.271%
48	10.500	1405	1410	1416	rVB7	1654	2705	0.27%	0.028%
49	10.579	1416	1423	1433	rBV	84170	153754	15.09%	1.620%
50	10.707	1437	1444	1456	rVB	20832	41580	4.08%	0.438%
51	10.853	1465	1468	1472	rVB3	635	1109	0.11%	0.012%
52	10.926	1472	1480	1494	rBV	235475	415279	40.76%	4.375%
53	11.073	1497	1504	1516	rBV	581408	961510	94.38%	10.130%
54	11.566	1581	1585	1588	rBV4	425	809	0.08%	0.009%
55	11.627	1588	1595	1604	rBV	407885	697973	68.51%	7.353%
56	11.725	1609	1611	1612	rBV	1522	1082	0.11%	0.011%
57	11.835	1623	1629	1641	rVV	23223	49647	4.87%	0.523%
58	11.920	1641	1643	1644	rVV2	800	672	0.07%	0.007%
59	11.951	1644	1648	1654	rVB8	2274	4660	0.46%	0.049%
60	12.127	1674	1677	1679	rBV3	931	1000	0.10%	0.011%
61	12.158	1679	1682	1683	rBV3	741	790	0.08%	0.008%
62	12.237	1692	1695	1699	rBV6	1734	3127	0.31%	0.033%
63	12.341	1704	1712	1722	rBV2	17507	29995	2.94%	0.316%
64	12.414	1722	1724	1729	rVB4	531	741	0.07%	0.008%
65	12.517	1736	1741	1744	rVB4	1156	1776	0.17%	0.019%
66	12.609	1744	1756	1762	rBV	47199	80460	7.90%	0.848%
67	12.694	1763	1770	1777	rVB	214295	355456	34.89%	3.745%
68	12.743	1777	1778	1780	rBV2	677	641	0.06%	0.007%
69	12.828	1790	1792	1796	rVB3	628	778	0.08%	0.008%
70	12.895	1801	1803	1805	rVV3	792	950	0.09%	0.010%
71	12.932	1807	1809	1813	rVB3	2522	3362	0.33%	0.035%

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72	13.042	1823	1827	1831	rBV4	1944	3211	0.32%	0.034%
73	13.103	1831	1837	1842	rBV6	5438	10675	1.05%	0.112%
74	13.158	1842	1846	1851	rVB4	2597	4146	0.41%	0.044%
75	13.273	1862	1865	1873	rVB5	2592	4918	0.48%	0.052%
76	13.395	1879	1885	1893	rBV2	11665	19719	1.94%	0.208%
77	13.499	1893	1902	1905	rBV9	2097	5192	0.51%	0.055%
78	13.560	1905	1912	1920	rVV	307851	495824	48.67%	5.224%
79	13.651	1923	1927	1932	rVB4	5060	8373	0.82%	0.088%
80	13.749	1941	1943	1949	rBV7	818	1474	0.14%	0.016%
81	13.853	1953	1960	1967	rBV	263538	431548	42.36%	4.546%
82	14.029	1983	1989	1991	rVV5	1425	2985	0.29%	0.031%
83	14.072	1991	1996	2008	rVB	26890	48610	4.77%	0.512%
84	14.328	2030	2038	2046	rBV4	10323	18619	1.83%	0.196%
85	14.420	2050	2053	2058	rVB6	1366	1477	0.14%	0.016%
86	14.529	2064	2071	2078	rBV3	9030	14772	1.45%	0.156%
87	14.700	2096	2099	2100	rBV3	934	1038	0.10%	0.011%
88	14.724	2100	2103	2110	rVB4	3453	5227	0.51%	0.055%
89	14.804	2110	2116	2120	rBV6	996	1935	0.19%	0.020%
90	14.859	2121	2125	2131	rVB7	1583	2415	0.24%	0.025%
91	14.962	2136	2142	2145	rBV7	1578	2879	0.28%	0.030%
92	15.188	2174	2179	2181	rBV5	2295	3645	0.36%	0.038%
93	15.255	2188	2190	2196	rVB6	1818	2469	0.24%	0.026%
94	15.371	2207	2209	2213	rBV5	742	832	0.08%	0.009%
95	15.499	2225	2230	2236	rBV2	2022	3883	0.38%	0.041%
96	15.694	2258	2262	2267	rVV7	723	1138	0.11%	0.012%
97	15.980	2306	2309	2314	rVB6	1534	1916	0.19%	0.020%
98	16.084	2324	2326	2328	rBV3	843	902	0.09%	0.010%
99	16.322	2363	2365	2366	rBV2	867	875	0.09%	0.009%
100	16.486	2390	2392	2394	rBV3	621	660	0.06%	0.007%

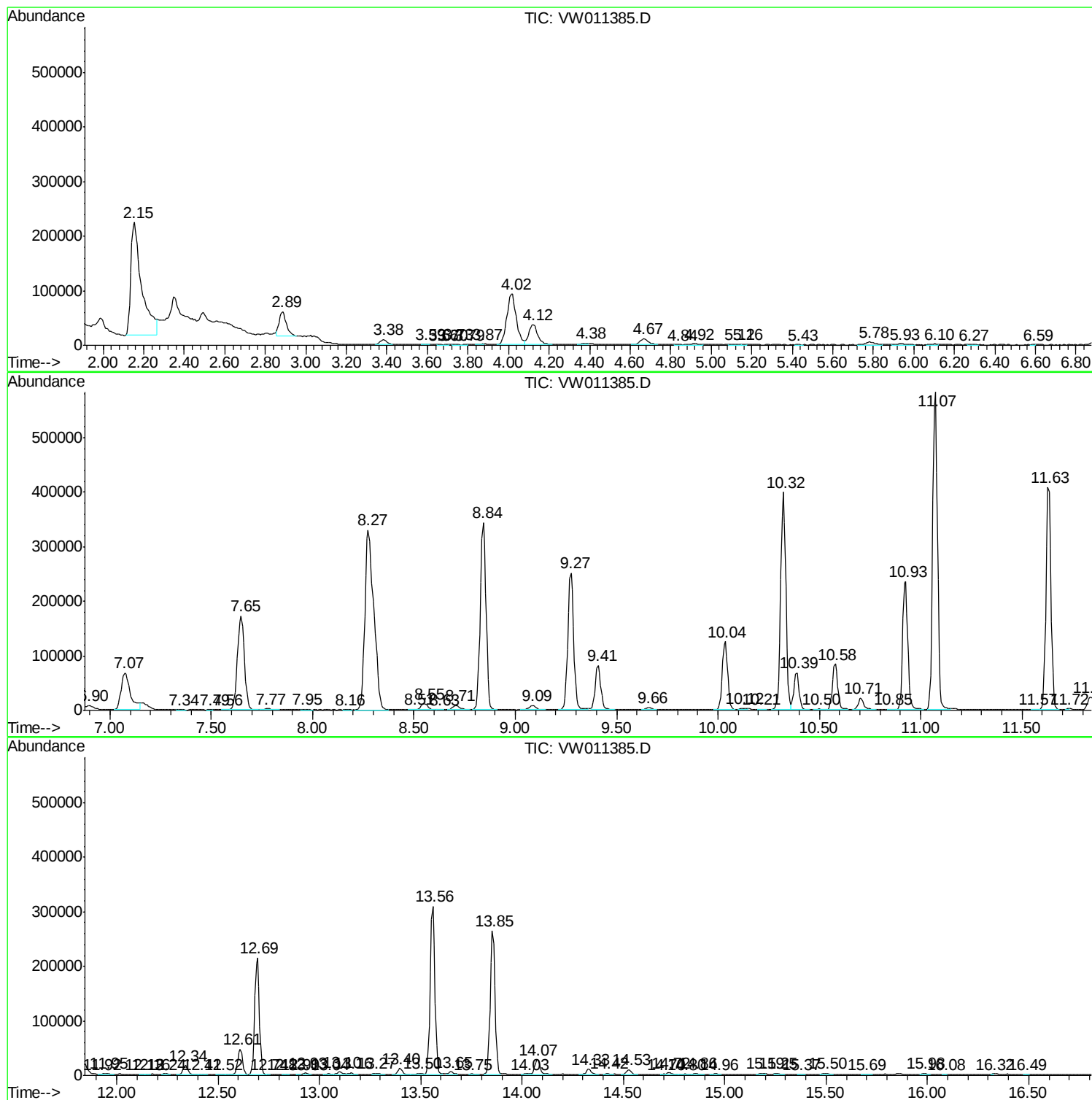
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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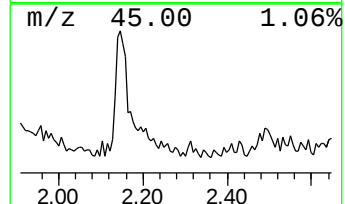
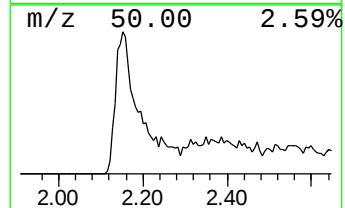
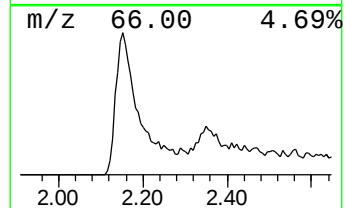
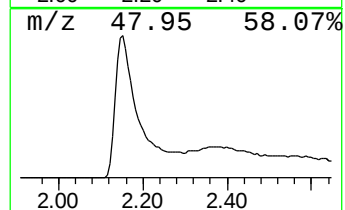
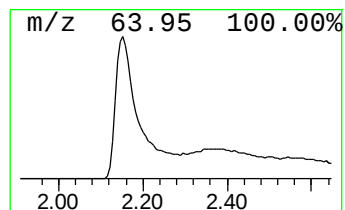
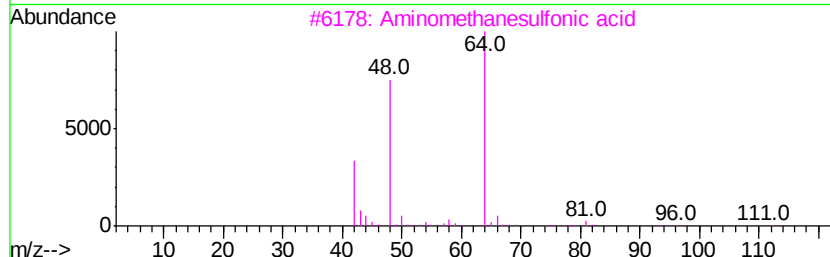
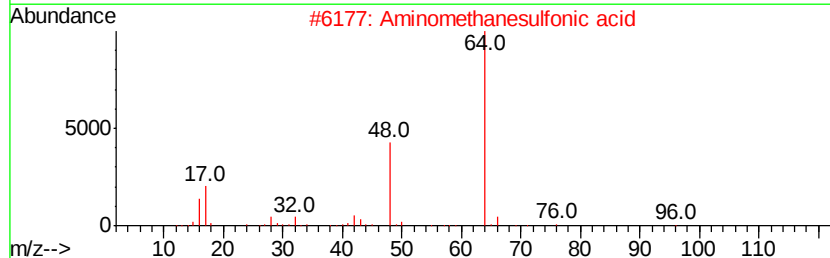
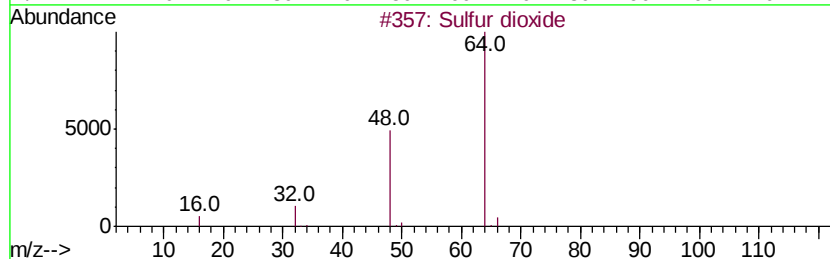
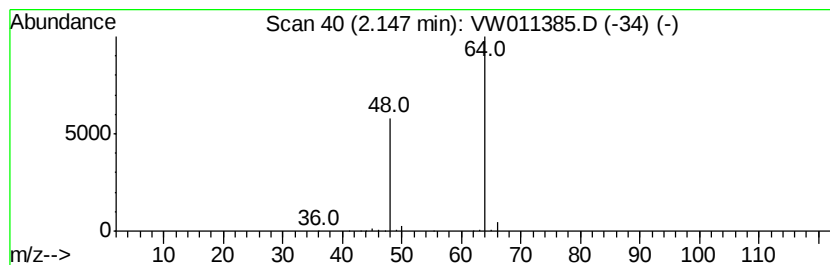
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis

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

Peak Number 1 Sulfur dioxide Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.15	28.16 ug/L	764017	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfur dioxide	64	O2S	007446-09-5	83
2		Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
3		Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	25
4		L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
5		Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	4



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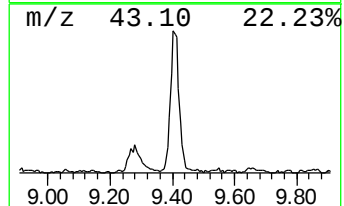
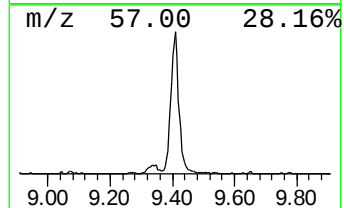
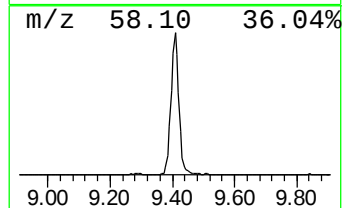
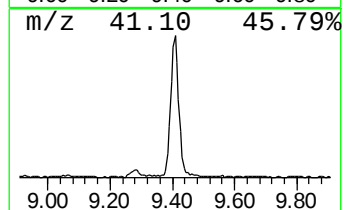
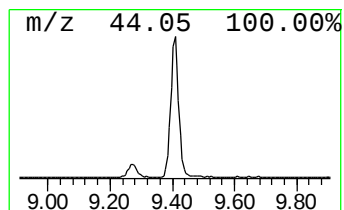
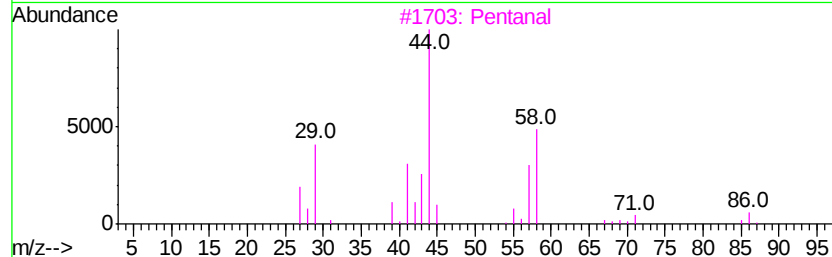
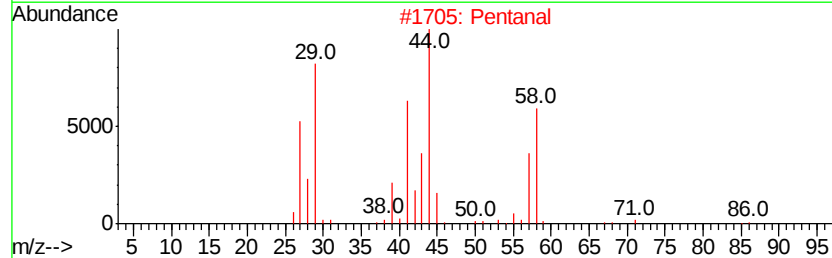
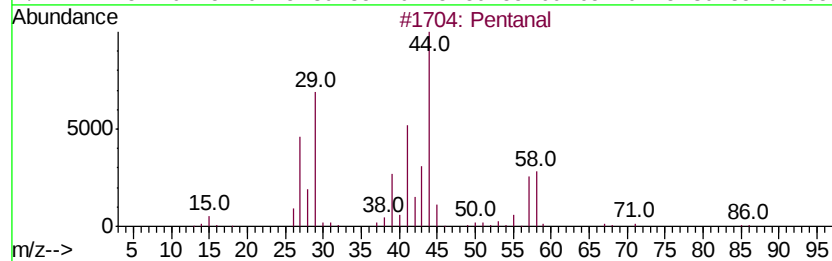
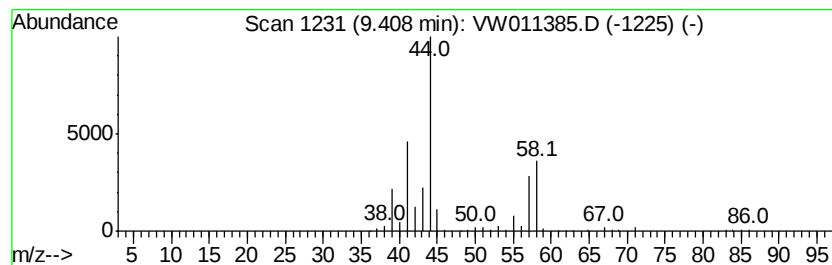
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis

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

Peak Number 2 Pentanal Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	5.63 ug/L	152725	1,4-Difluorobenzene	8.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal			86	C5H10O	000110-62-3	83
2	Pentanal			86	C5H10O	000110-62-3	58
3	Pentanal			86	C5H10O	000110-62-3	56
4	Cyclopropyl carbinol			72	C4H8O	002516-33-8	36
5	Butanal, 3-methyl-			86	C5H10O	000590-86-3	36



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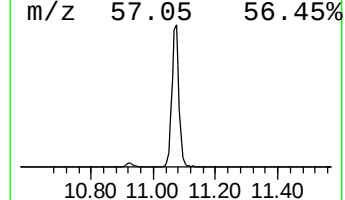
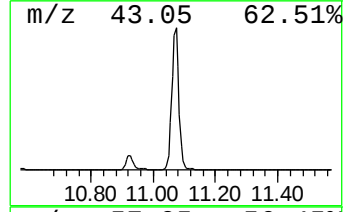
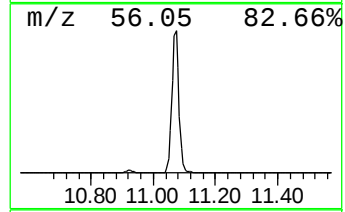
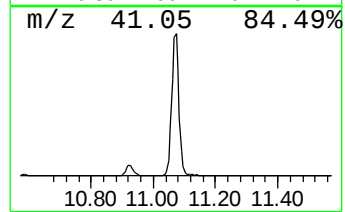
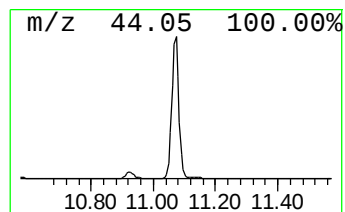
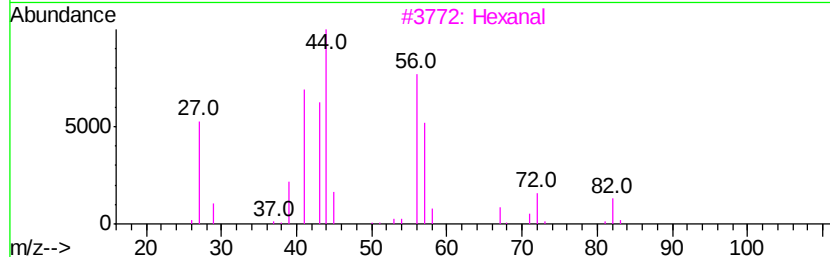
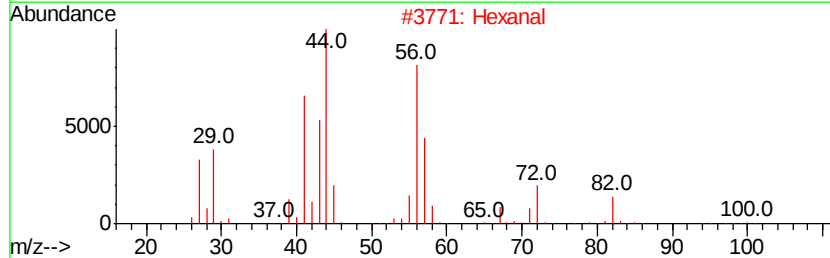
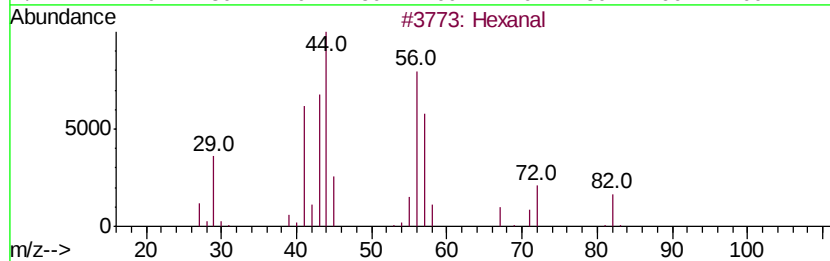
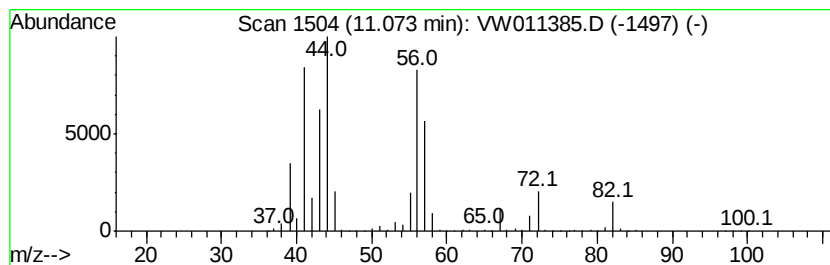
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Peak Number 5 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	34.44 ug/L	961510	Chlorobenzene-d5	11.63

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal		100	C6H12O	000066-25-1	90
2	Hexanal		100	C6H12O	000066-25-1	90
3	Hexanal		100	C6H12O	000066-25-1	90
4	Hexanal		100	C6H12O	000066-25-1	78
5	Cyclobutanol, 2-ethyl-		100	C6H12O	035301-43-0	40



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW071919\
Data File : VW011385.D
Acq On : 19 Jul 2019 18:29
Operator : SY/VA
Sample : K3863-16
Misc : 4.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A52G5

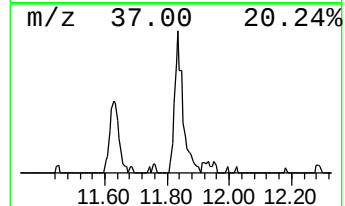
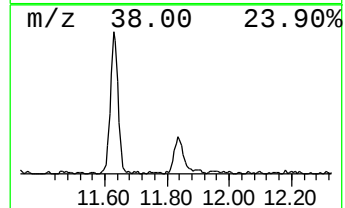
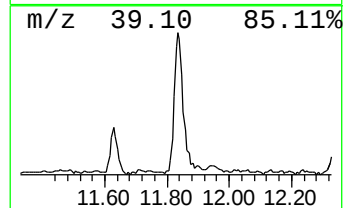
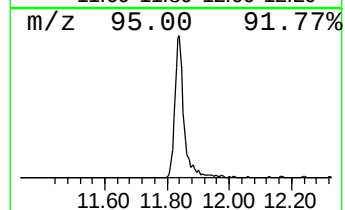
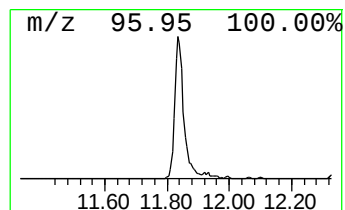
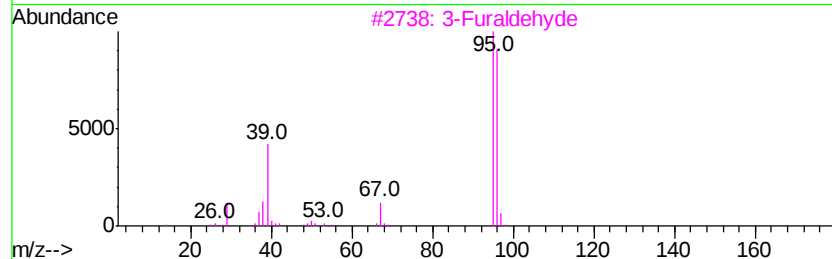
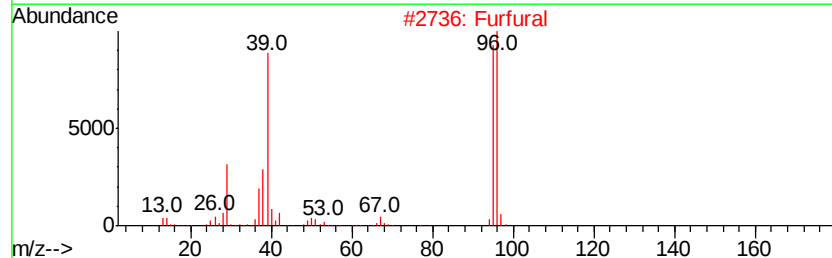
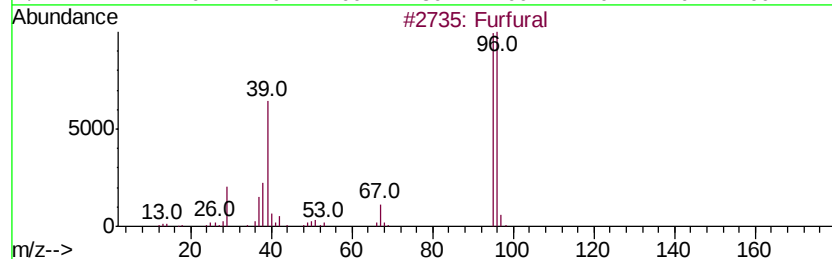
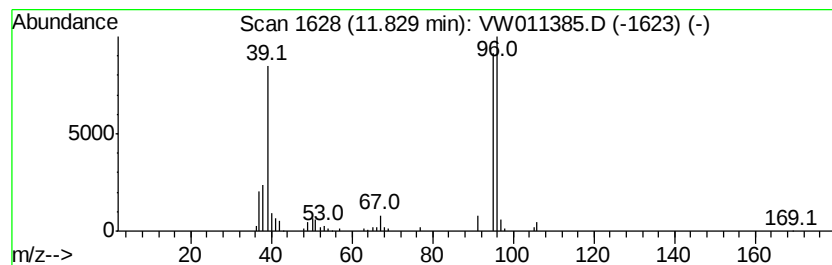
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Quant Title : VOC Analysis

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

Peak Number 6 Furfural Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	1.78 ug/L	49647	Chlorobenzene-d5	11.63

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furfural		96	C5H4O2	000098-01-1	94
2	Furfural		96	C5H4O2	000098-01-1	91
3	3-Furaldehyd		96	C5H4O2	000498-60-2	91
4	Furfural		96	C5H4O2	000098-01-1	90
5	3(2H)-Pyridazinone		96	C4H4N2O	000504-30-3	72



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071919\
Data File : VW011385.D
Acq On : 19 Jul 2019 18:29
Operator : SY/VA
Sample : K3863-16
Misc : 4.07G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A52G5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Sulfur dioxide	2.15	28.2	ug/L	764017	1	8.84	678325	25.0
Pentanal	9.41	5.6	ug/L	152725	1	8.84	678325	25.0
Hexanal	11.07	34.4	ug/L	961510	2	11.63	697973	25.0
Furfural	11.83	1.8	ug/L	49647	2	11.63	697973	25.0