

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW052418\
 Data File : VW002846.D
 Acq On : 24 May 2018 14:54
 Operator : JC/SY
 Sample : J3030-06RE
 Misc : 6.38G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

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 : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052218S.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	1.794	16	34	57	rBV	4269142	9997200	100.00%	56.369%
2	1.953	57	60	63	rBV4	7317	11090	0.11%	0.063%
3	2.172	92	96	100	rBV2	8721	13248	0.13%	0.075%
4	2.343	119	124	134	rBV	59378	136869	1.37%	0.772%
5	2.483	143	147	156	rBV	16664	38002	0.38%	0.214%
6	2.885	206	213	227	rVB2	38127	115379	1.15%	0.651%
7	3.007	229	233	244	rVB3	15042	38589	0.39%	0.218%
8	3.367	288	292	302	rVB	15343	36801	0.37%	0.208%
9	4.001	384	396	410	rBV3	70963	271885	2.72%	1.533%
10	4.117	410	415	427	rVB	21012	58184	0.58%	0.328%
11	4.343	450	452	453	rBV2	1259	902	0.01%	0.005%
12	4.660	496	504	506	rBV6	4426	8695	0.09%	0.049%
13	4.922	544	547	551	rBV6	1891	2991	0.03%	0.017%
14	5.178	585	589	591	rBV5	683	1164	0.01%	0.007%
15	5.397	617	625	626	rBV5	1350	2817	0.03%	0.016%
16	5.781	681	688	698	rVV4	4396	12947	0.13%	0.073%
17	5.915	700	710	721	rVV6	4910	16363	0.16%	0.092%
18	6.080	732	737	738	rVV2	838	1197	0.01%	0.007%
19	6.104	738	741	744	rVV3	1581	2624	0.03%	0.015%
20	6.287	770	771	776	rVB5	759	1058	0.01%	0.006%
21	6.598	819	822	825	rVB3	930	1375	0.01%	0.008%
22	6.897	861	871	880	rBV2	8940	27337	0.27%	0.154%
23	7.086	894	902	911	rBV	43327	120026	1.20%	0.677%
24	7.513	968	972	974	rBV4	1061	1689	0.02%	0.010%
25	7.537	974	976	982	rVV5	1179	1957	0.02%	0.011%
26	7.647	983	994	1004	rVV	159560	389947	3.90%	2.199%
27	7.781	1013	1016	1020	rBV4	1113	1614	0.02%	0.009%
28	7.836	1022	1025	1028	rVB2	949	915	0.01%	0.005%
29	7.921	1033	1039	1040	rBV3	2850	4199	0.04%	0.024%
30	8.141	1073	1075	1077	rBV3	1087	1281	0.01%	0.007%
31	8.275	1086	1097	1113	rBV2	280124	910852	9.11%	5.136%
32	8.439	1122	1124	1132	rVB7	1613	1875	0.02%	0.011%
33	8.512	1132	1136	1137	rBV3	1354	1864	0.02%	0.011%
34	8.561	1137	1144	1153	rVB3	12496	27880	0.28%	0.157%

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 Title : VOC Analysis

35	8.708	1158	1168	1177	rVB6	7216	21756	0.22%	0.123%
36	8.848	1182	1191	1201	rBV	317651	628203	6.28%	3.542%
37	8.945	1205	1207	1212	rVB4	867	1237	0.01%	0.007%
38	9.055	1218	1225	1230	rBV4	2522	5193	0.05%	0.029%
39	9.281	1253	1262	1269	rBV	219447	443503	4.44%	2.501%
40	9.415	1278	1284	1295	rVB	46737	90414	0.90%	0.510%
41	9.512	1298	1300	1307	rVB7	838	1556	0.02%	0.009%
42	9.653	1321	1323	1325	rBV3	999	1121	0.01%	0.006%
43	9.854	1352	1356	1358	rBV3	1297	1196	0.01%	0.007%
44	9.963	1368	1374	1377	rBV6	1164	2242	0.02%	0.013%
45	10.037	1380	1386	1395	rVV	96135	171380	1.71%	0.966%
46	10.329	1424	1434	1440	rVV	384139	677658	6.78%	3.821%
47	10.390	1440	1444	1457	rVB	117639	207292	2.07%	1.169%
48	10.506	1457	1463	1468	rVB7	4589	8042	0.08%	0.045%
49	10.585	1468	1476	1483	rBV	70102	118187	1.18%	0.666%
50	10.671	1488	1490	1492	rVV2	1111	940	0.01%	0.005%
51	10.713	1492	1497	1502	rVV2	7594	13110	0.13%	0.074%
52	10.933	1526	1533	1544	rBV	184263	316323	3.16%	1.784%
53	11.079	1549	1557	1566	rBV	374704	598141	5.98%	3.373%
54	11.183	1572	1574	1579	rVB5	1931	2444	0.02%	0.014%
55	11.292	1588	1592	1593	rBV4	1114	1178	0.01%	0.007%
56	11.427	1611	1614	1618	rBV5	897	1573	0.02%	0.009%
57	11.573	1633	1638	1641	rBV6	1288	2553	0.03%	0.014%
58	11.640	1641	1649	1658	rVB	404068	676179	6.76%	3.813%
59	11.738	1658	1665	1672	rBV	25279	42941	0.43%	0.242%
60	11.841	1674	1682	1692	rVV	43239	83889	0.84%	0.473%
61	11.957	1697	1701	1707	rVB5	4912	7663	0.08%	0.043%
62	12.103	1720	1725	1727	rBV5	911	967	0.01%	0.005%
63	12.170	1732	1736	1742	rVB2	5554	9309	0.09%	0.052%
64	12.244	1744	1748	1755	rVB5	2487	5064	0.05%	0.029%
65	12.347	1759	1765	1778	rBV2	27512	45681	0.46%	0.258%
66	12.469	1780	1785	1791	rVB7	1707	3371	0.03%	0.019%
67	12.621	1804	1810	1816	rBV	12281	20595	0.21%	0.116%
68	12.701	1816	1823	1831	rVB	186953	304474	3.05%	1.717%
69	12.817	1838	1842	1845	rBV3	2694	3610	0.04%	0.020%
70	12.884	1847	1853	1854	rBV5	1993	3347	0.03%	0.019%
71	12.945	1860	1863	1871	rVB5	5182	9577	0.10%	0.054%

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 Title : VOC Analysis

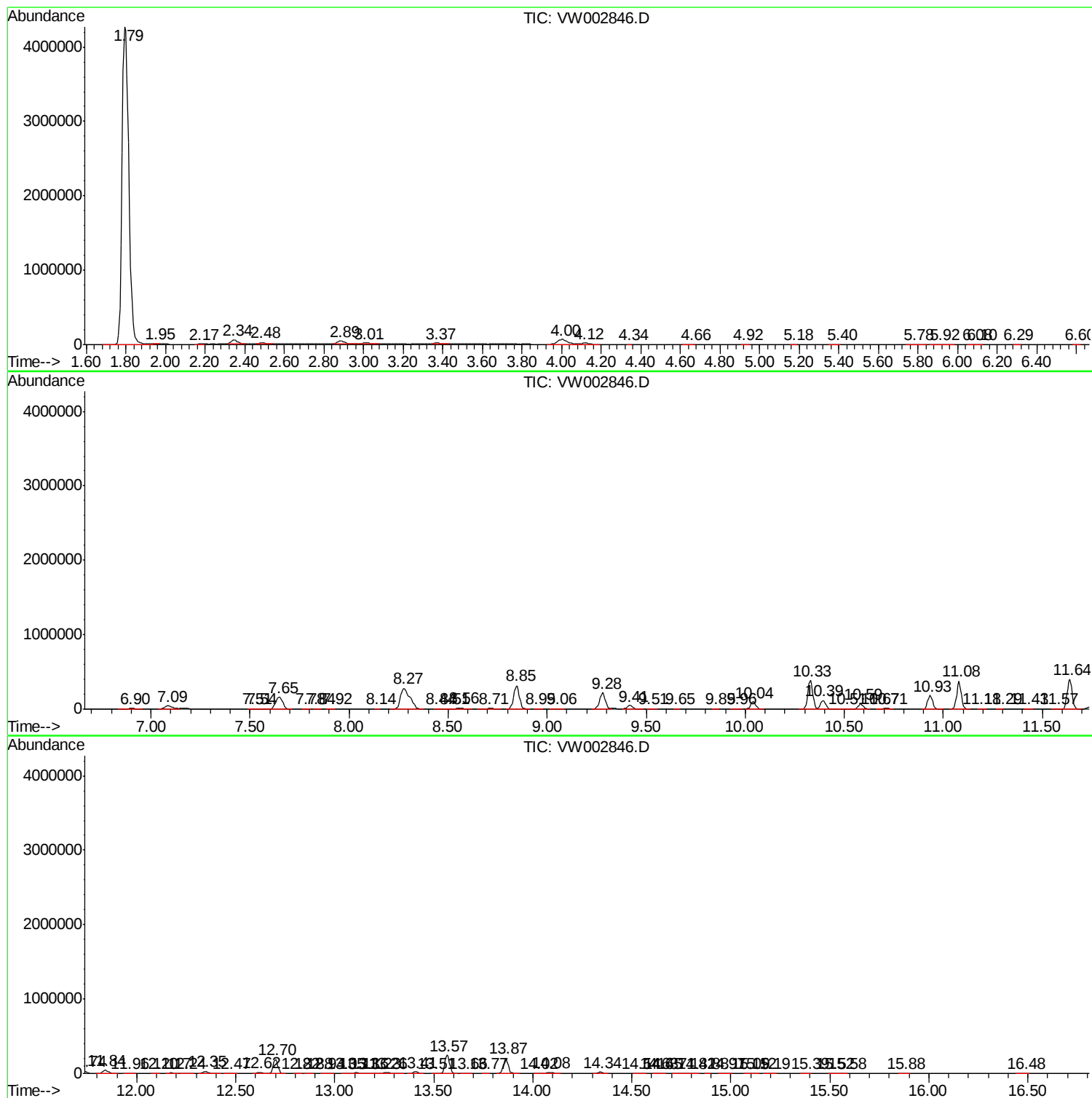
72	13.048	1877	1880	1884	rBV4	2408	3558	0.04%	0.020%
73	13.109	1885	1890	1895	rVV4	6817	11543	0.12%	0.065%
74	13.164	1895	1899	1905	rVB6	2504	4589	0.05%	0.026%
75	13.225	1905	1909	1910	rBV2	1288	1841	0.02%	0.010%
76	13.262	1910	1915	1929	rVB6	7523	22453	0.22%	0.127%
77	13.408	1932	1939	1945	rBV2	23182	36476	0.36%	0.206%
78	13.505	1952	1955	1959	rVB3	2451	2975	0.03%	0.017%
79	13.566	1959	1965	1974	rVV	244331	395598	3.96%	2.231%
80	13.664	1976	1981	1985	rBV3	3967	5910	0.06%	0.033%
81	13.768	1994	1998	2000	rBV4	1979	2990	0.03%	0.017%
82	13.865	2006	2014	2025	rVV	203407	343313	3.43%	1.936%
83	14.024	2037	2040	2044	rBV5	1953	2756	0.03%	0.016%
84	14.085	2044	2050	2059	rVB3	16599	28322	0.28%	0.160%
85	14.341	2086	2092	2098	rBV2	17945	26999	0.27%	0.152%
86	14.536	2119	2124	2130	rVB6	4629	7650	0.08%	0.043%
87	14.627	2135	2139	2140	rVV4	917	1215	0.01%	0.007%
88	14.646	2140	2142	2146	rVB4	1427	1423	0.01%	0.008%
89	14.713	2151	2153	2162	rVB7	1396	3943	0.04%	0.022%
90	14.816	2162	2170	2174	rBV9	1551	3426	0.03%	0.019%
91	14.883	2178	2181	2183	rBV4	966	1089	0.01%	0.006%
92	14.969	2190	2195	2201	rBV8	4319	7608	0.08%	0.043%
93	15.091	2211	2215	2217	rBV4	615	938	0.01%	0.005%
94	15.121	2217	2220	2223	rVV4	1245	1141	0.01%	0.006%
95	15.194	2227	2232	2238	rVB9	3719	7516	0.08%	0.042%
96	15.389	2258	2264	2266	rBV5	1429	2448	0.02%	0.014%
97	15.517	2281	2285	2292	rVB2	3809	6919	0.07%	0.039%
98	15.578	2292	2295	2296	rVB3	1251	884	0.01%	0.005%
99	15.877	2339	2344	2348	rVV6	2587	4167	0.04%	0.023%
100	16.481	2436	2443	2447	rBV7	1111	2748	0.03%	0.015%

Sum of corrected areas: 17735163

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Quant Title : VOC Analysis

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



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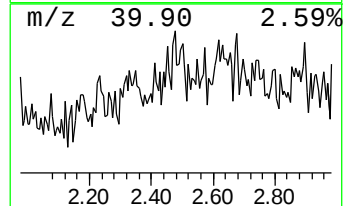
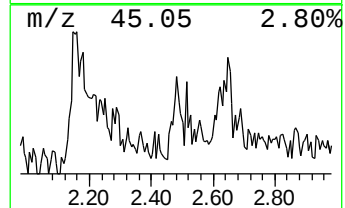
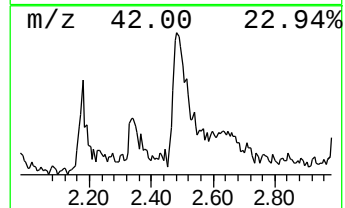
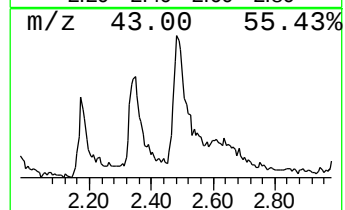
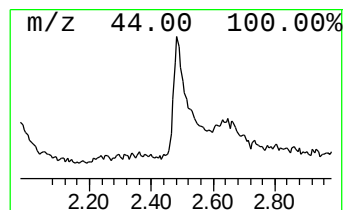
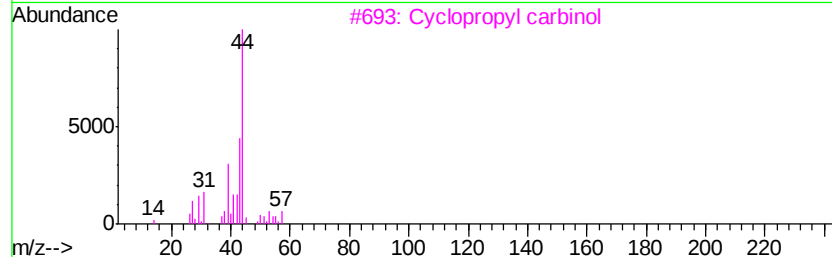
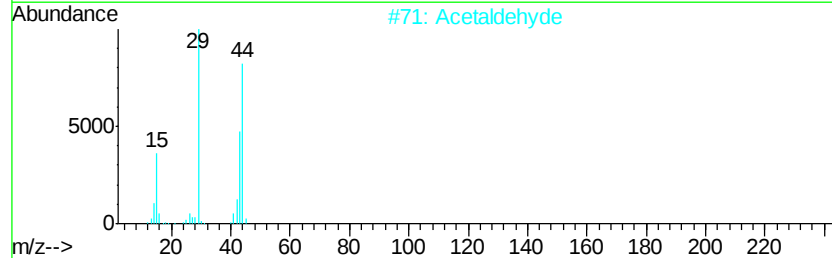
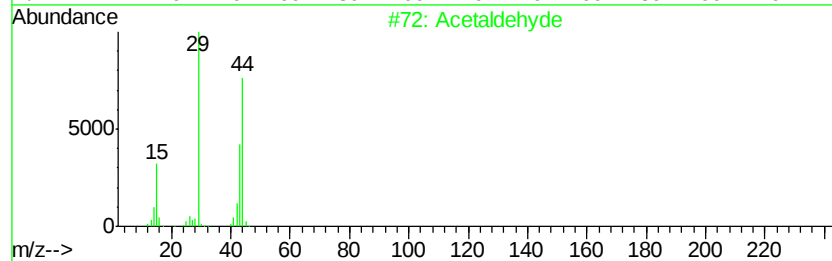
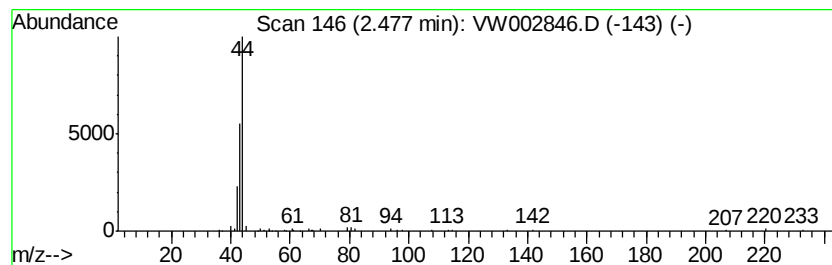
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052218S.M
Quant Title : VOC Analysis

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

Peak Number 2 Acetaldehyde Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.48	1.51 ug/L	38002	1,4-Difluorobenzene	8.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Acetaldehydve	44	C2H4O	000075-07-0	56
2			Acetaldehydve	44	C2H4O	000075-07-0	56
3			Cvclopropvl carbinol	72	C4H8O	002516-33-8	9
4			Ethylene oxide	44	C2H4O	000075-21-8	5
5			Ethylene oxide	44	C2H4O	000075-21-8	5



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ALS Vial : 1 Sample Multiplier: 1

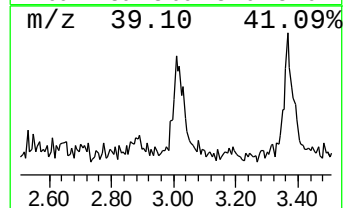
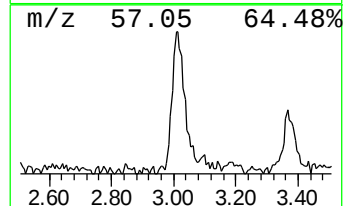
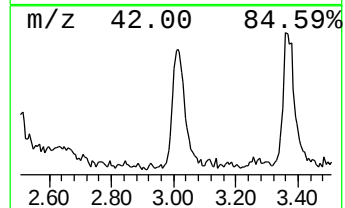
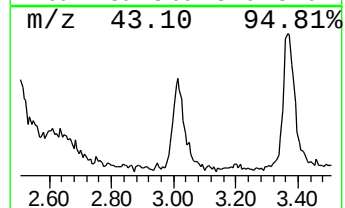
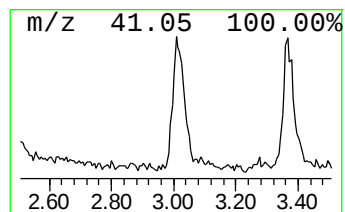
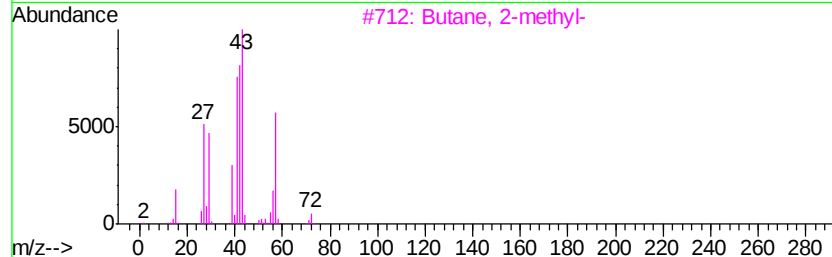
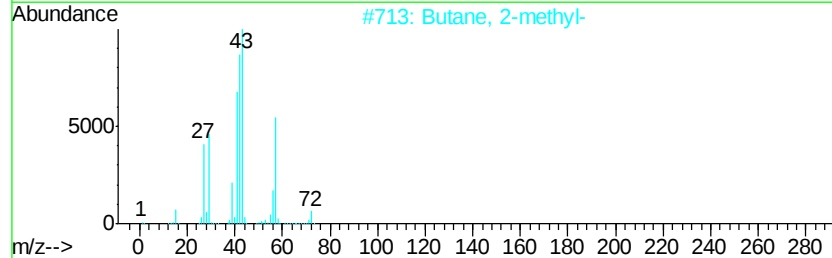
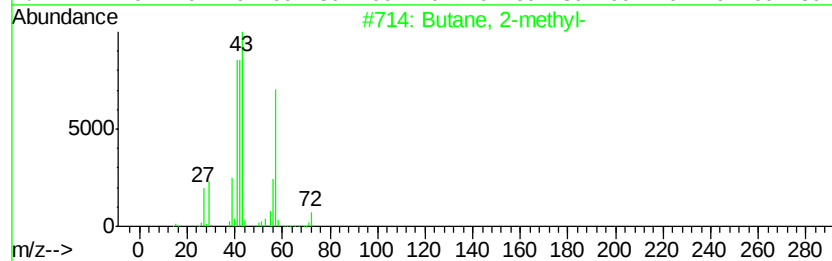
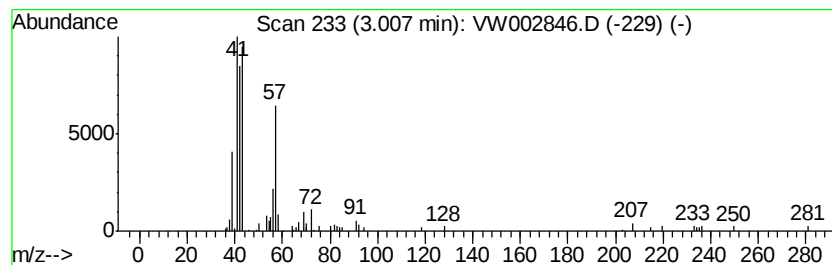
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052218S.M
Quant Title : VOC Analysis

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

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.01	1.54 ug/L	38589	1,4-Difluorobenzene	8.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methyl-	72	C5H12	000078-78-4	58
2			Butane, 2-methyl-	72	C5H12	000078-78-4	53
3			Butane, 2-methyl-	72	C5H12	000078-78-4	52
4			1-Hexene	84	C6H12	000592-41-6	42
5			2H-Pyran-2-one, tetrahydro-3,6-d...	128	C7H12O2	003720-22-7	36



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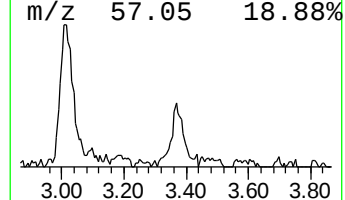
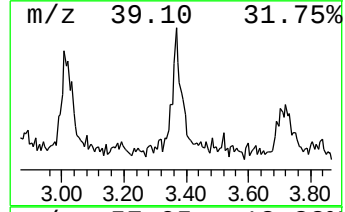
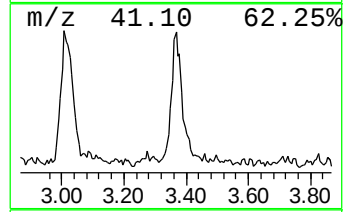
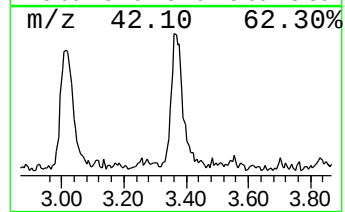
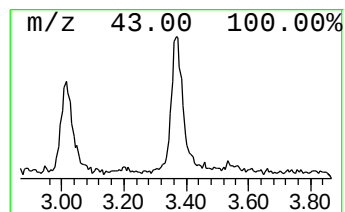
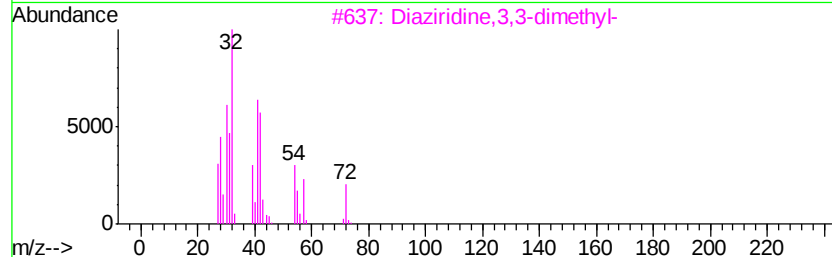
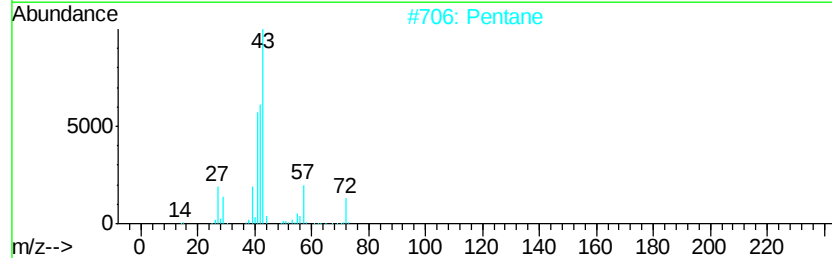
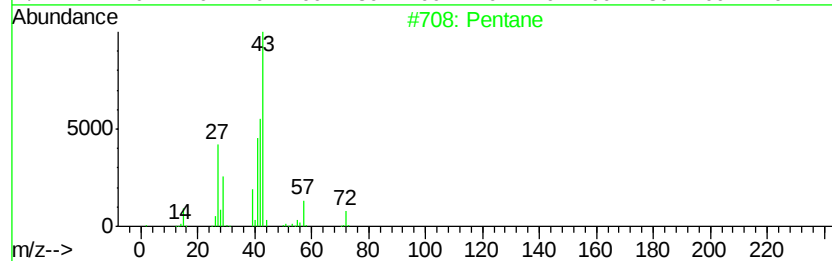
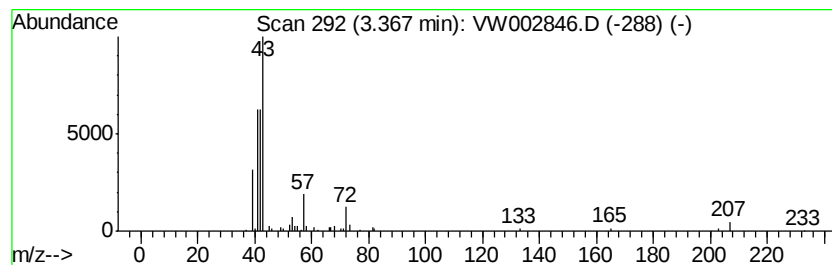
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052218S.M
Quant Title : VOC Analysis

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.37	1.46 ug/L	36801	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane	72	C5H12	000109-66-0	64
2		Pentane	72	C5H12	000109-66-0	64
3		Diaziridine,3,3-dimethyl-	72	C3H8N2	004901-76-2	32
4		3-Buten-1-ol	72	C4H8O	000627-27-0	9
5		Pentane	72	C5H12	000109-66-0	9



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Misc : 6.38G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

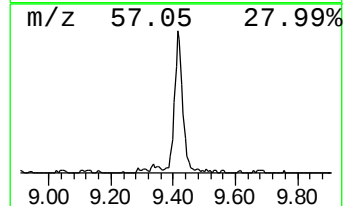
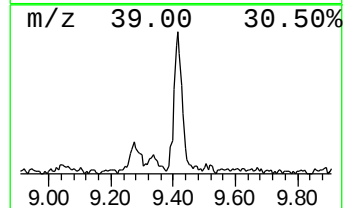
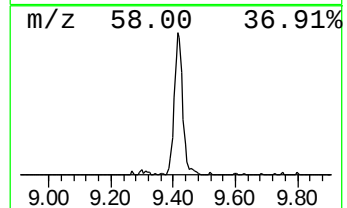
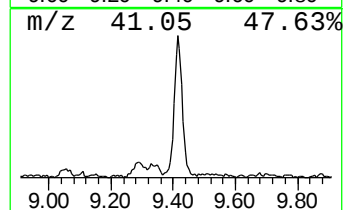
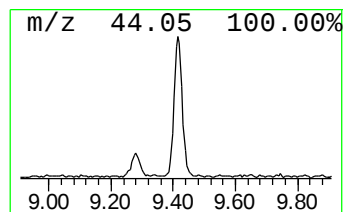
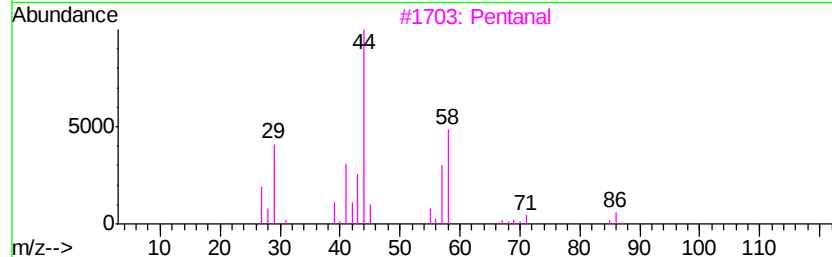
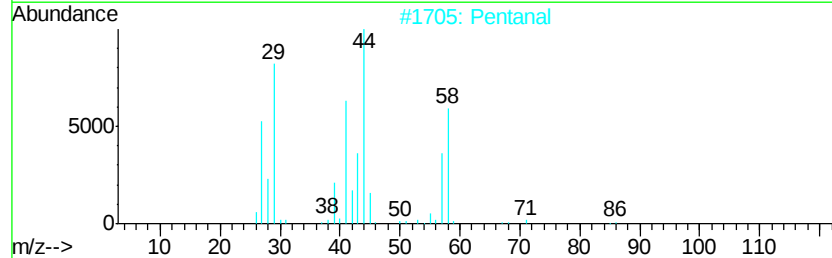
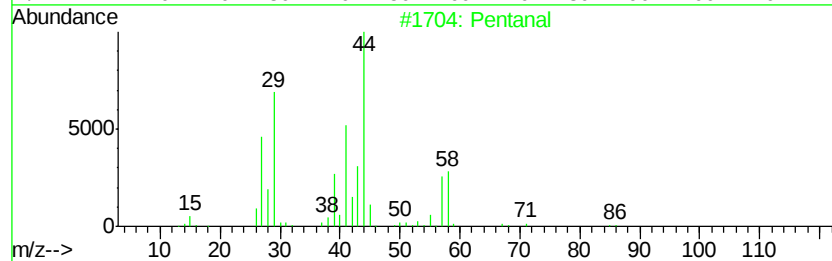
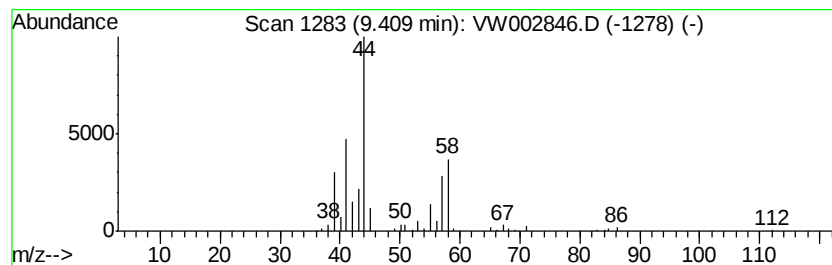
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Quant Title : VOC Analysis

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

Peak Number 5 Pentanal Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	3.60 ug/L	90414	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentanal	86	C5H10O	000110-62-3	86
2		Pentanal	86	C5H10O	000110-62-3	72
3		Pentanal	86	C5H10O	000110-62-3	64
4		Butanal, 3-methyl-	86	C5H10O	000590-86-3	64
5		Butanal, 3-methyl-	86	C5H10O	000590-86-3	56



Data Path : W:\HPCHEM1\MSVOA W\DATA\VW052418\
Data File : VW002846.D
Acq On : 24 May 2018 14:54
Operator : JC/SY
Sample : J3030-06RE
Misc : 6.38G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

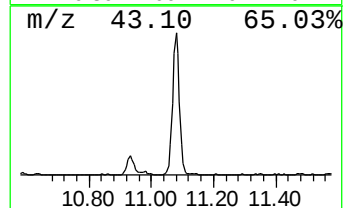
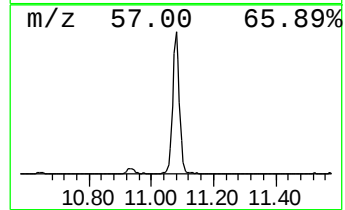
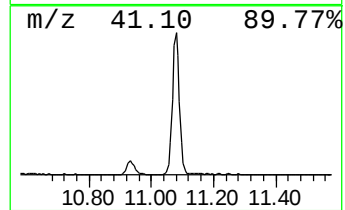
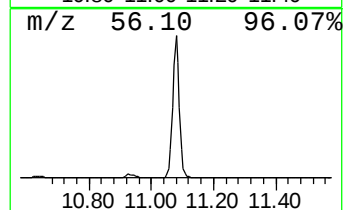
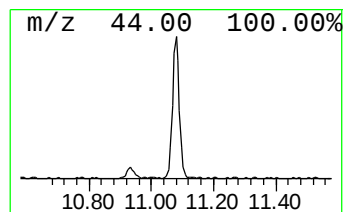
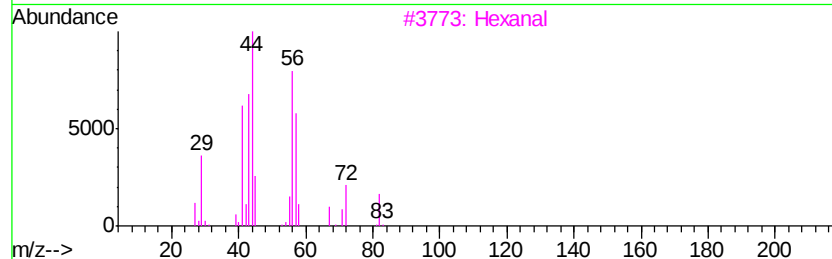
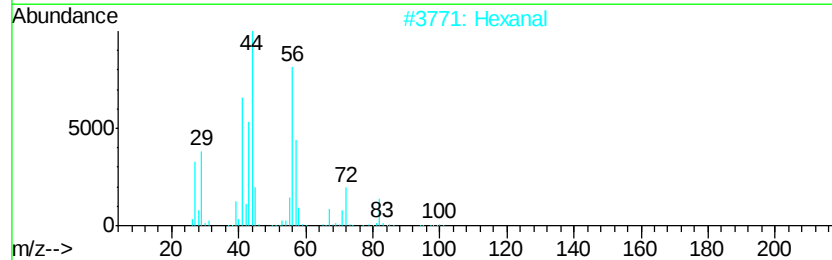
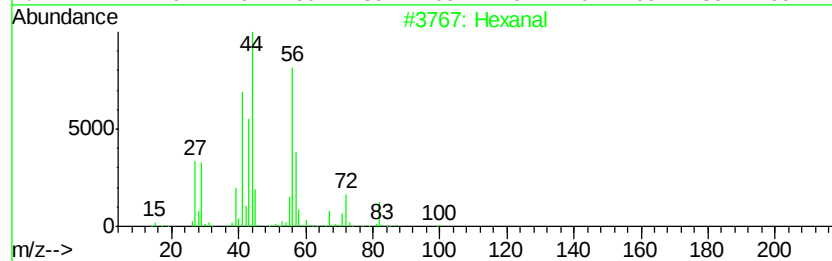
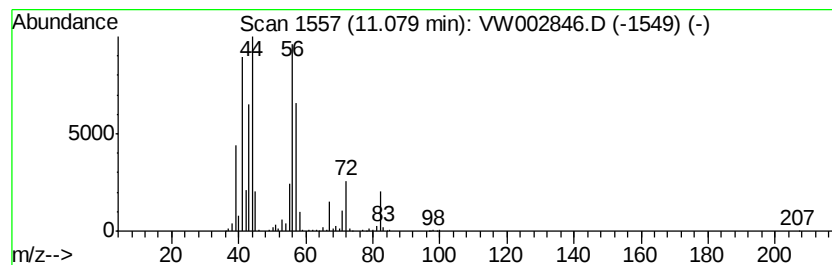
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Quant Title : VOC Analysis

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

Peak Number 7 Hexanal Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.08	22.11 ug/L	598141	Chlorobenzene-d5	11.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexanal	100	C6H12O	000066-25-1	74
2		Hexanal	100	C6H12O	000066-25-1	72
3		Hexanal	100	C6H12O	000066-25-1	64
4		Hexanal	100	C6H12O	000066-25-1	64
5		2,2-Dimethyl-3-hydroxypropionald...	102	C5H10O2	000597-31-9	32



Data Path : W:\HPCHEM1\MSVOA W\DATA\VW052418\
Data File : VW002846.D
Acq On : 24 May 2018 14:54
Operator : JC/SY
Sample : J3030-06RE
Misc : 6.38G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

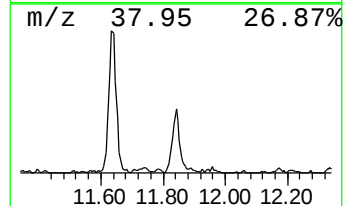
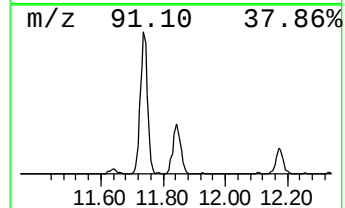
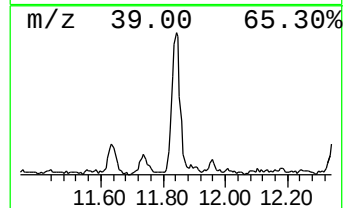
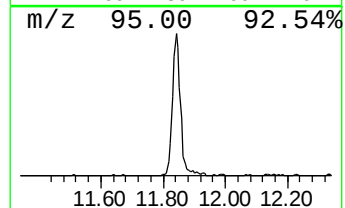
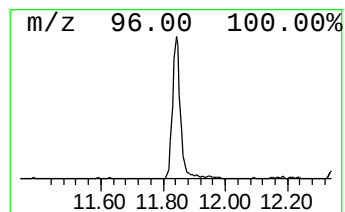
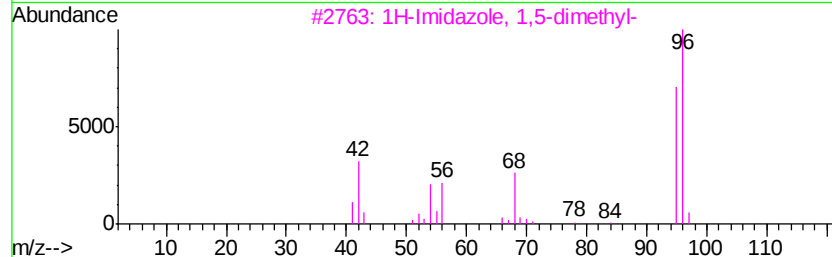
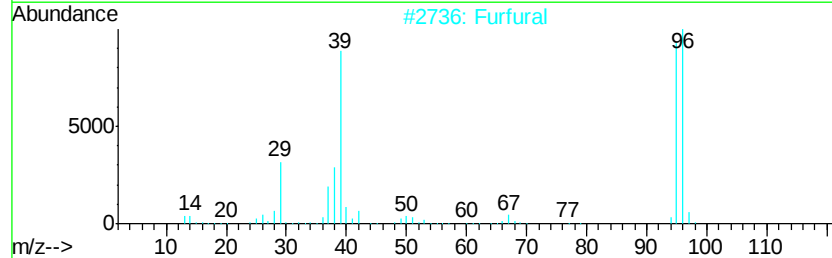
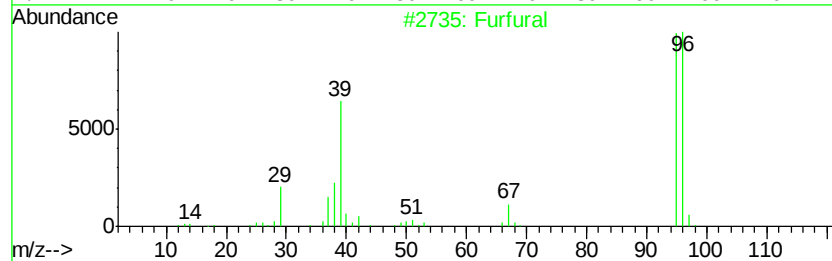
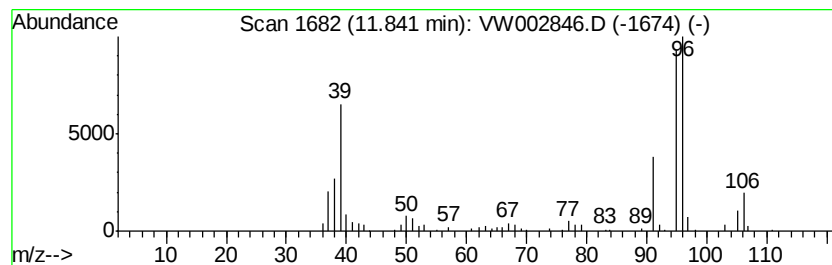
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Quant Title : VOC Analysis

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

Peak Number 9 Furfural Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	3.10 ug/L	83889	Chlorobenzene-d5	11.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Furfural	96	C5H4O2	000098-01-1	90
2		Furfural	96	C5H4O2	000098-01-1	74
3		1H-Imidazole, 1,5-dimethyl-	96	C5H8N2	010447-93-5	72
4		Furfural	96	C5H4O2	000098-01-1	43
5		2H-Pyran-2-one	96	C5H4O2	000504-31-4	40



Data Path : W:\HPCHEM1\MSVOA W\DATA\VW052418\
Data File : VW002846.D
Acq On : 24 May 2018 14:54
Operator : JC/SY
Sample : J3030-06RE
Misc : 6.38G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

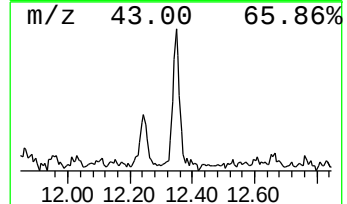
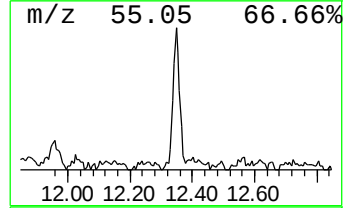
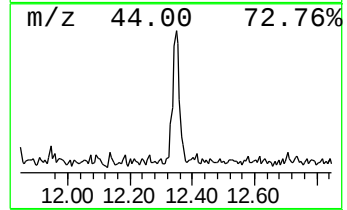
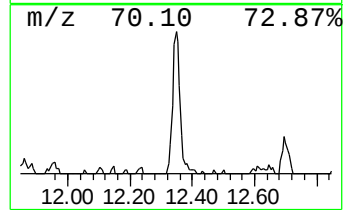
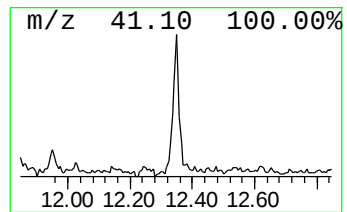
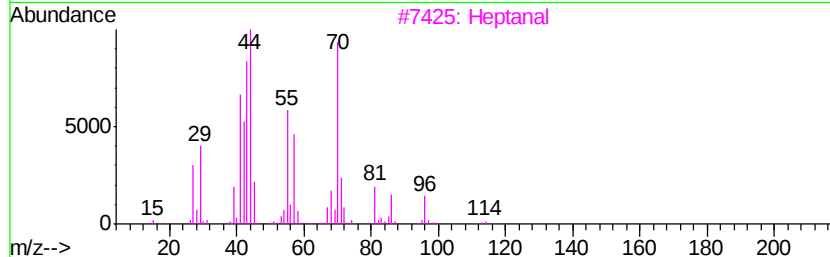
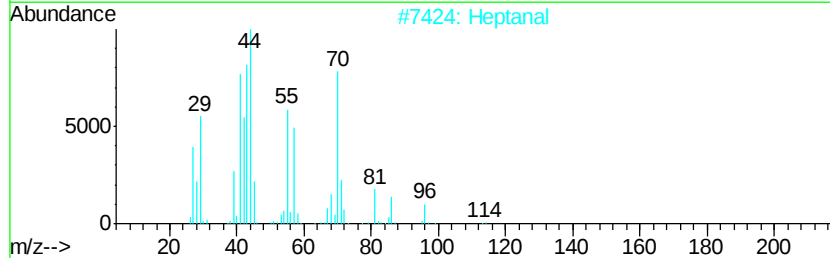
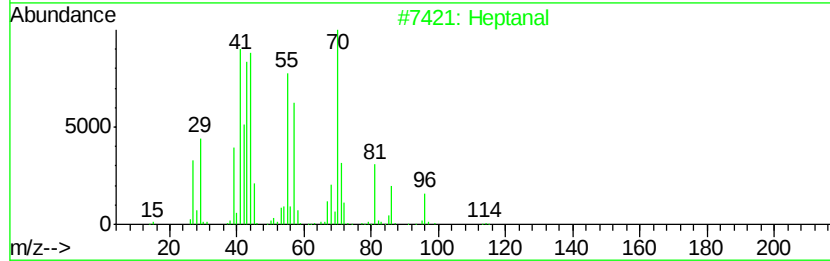
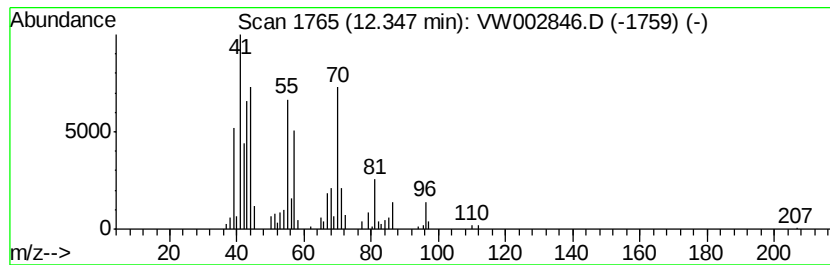
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Quant Title : VOC Analysis

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

Peak Number 10 Heptanal Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	1.69 ug/L	45681	Chlorobenzene-d5	11.64

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanal		114	C7H14O	000111-71-7	50
2	Heptanal		114	C7H14O	000111-71-7	47
3	Heptanal		114	C7H14O	000111-71-7	47
4	Heptanal		114	C7H14O	000111-71-7	47
5	Cyclopropane, 1,2-dimethyl-, cis-		70	C5H10	000930-18-7	38



Data Path : W:\HPCHEM1\MSVOA W\DATA\VW052418\
Data File : VW002846.D
Acq On : 24 May 2018 14:54
Operator : JC/SY
Sample : J3030-06RE
Misc : 6.38G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

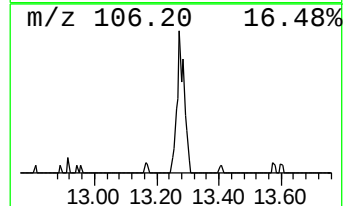
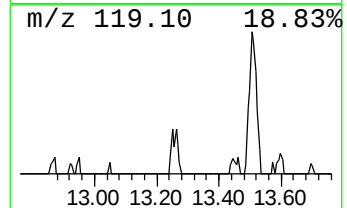
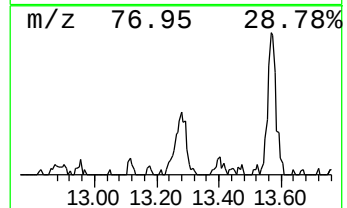
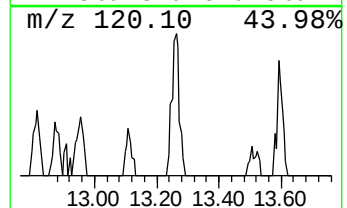
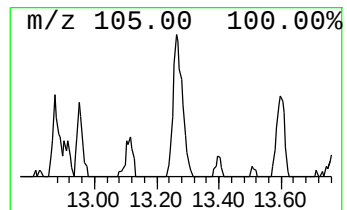
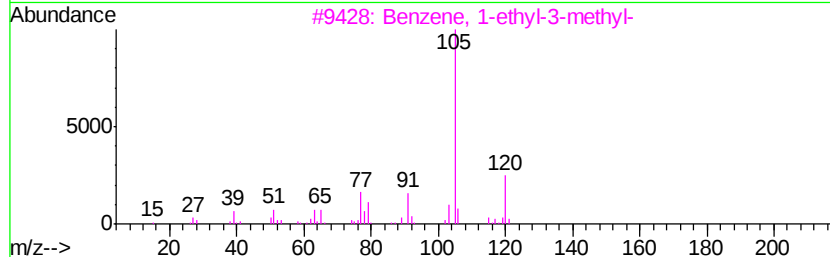
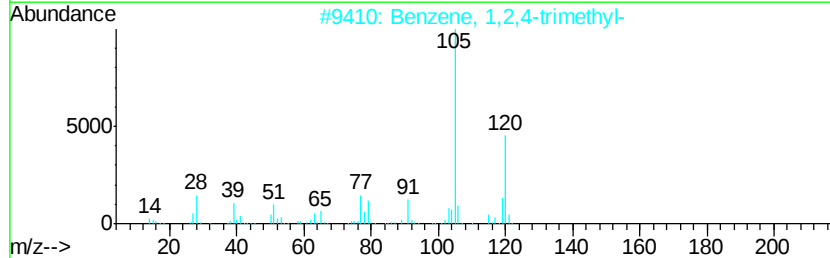
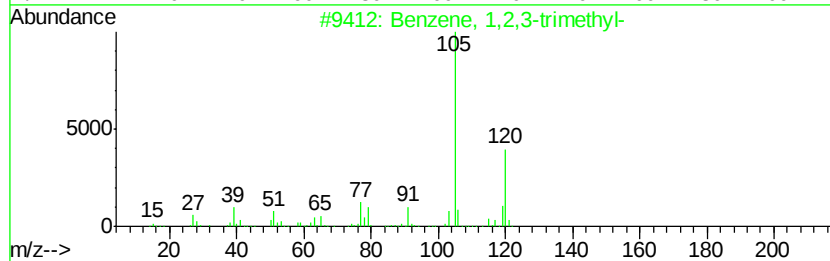
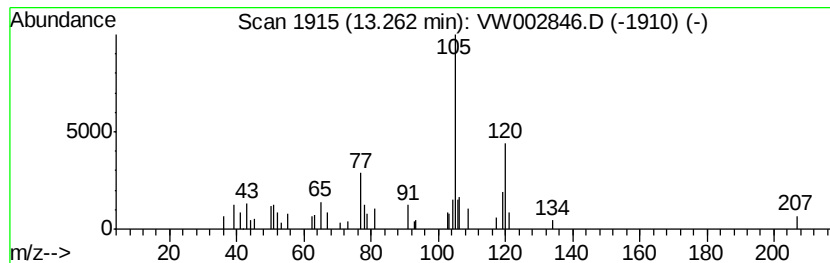
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Quant Title : VOC Analysis

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

Peak Number 12 Benzene, 1,2,3-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	1.42 ug/L	22453	1,4-Dichlorobenzene-d4	13.57

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	53
2			Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	52
3			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	50
4			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	50
5			1,3-Cyclopentadiene, 5-(1-methyl...	120	C9H12	003141-02-4	47



Data Path : W:\HPCHEM1\MSVOA W\DATA\VW052418\
Data File : VW002846.D
Acq On : 24 May 2018 14:54
Operator : JC/SY
Sample : J3030-06RE
Misc : 6.38G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

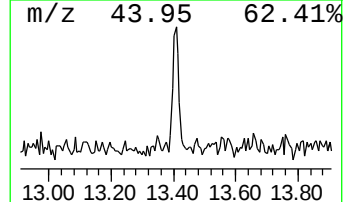
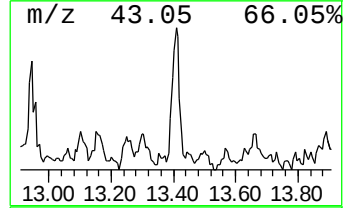
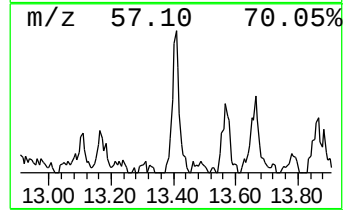
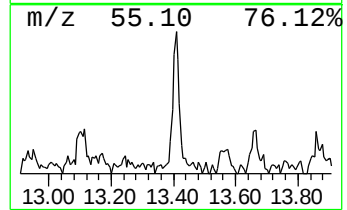
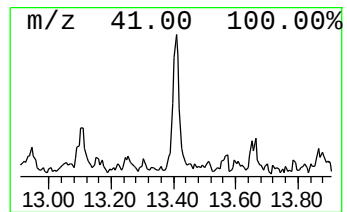
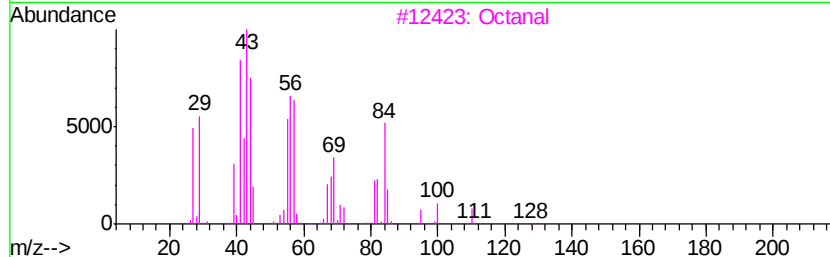
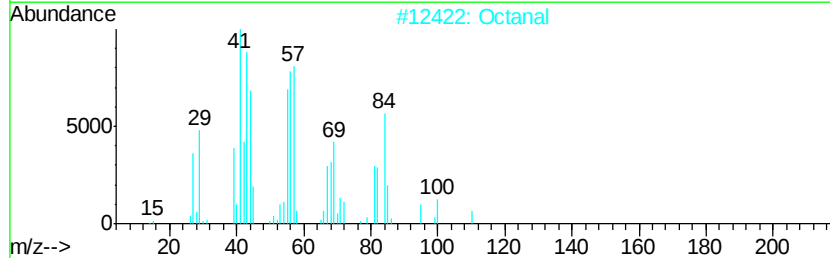
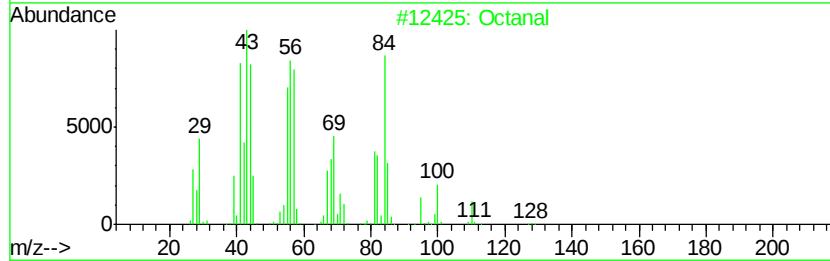
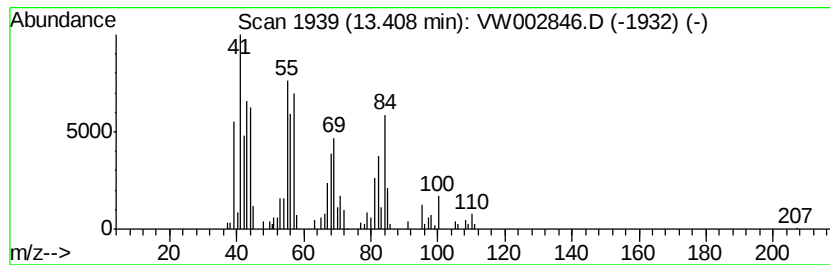
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Quant Title : VOC Analysis

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

Peak Number 13 Octanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.41	2.31 ug/L	36476	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octanal	128	C8H16O	000124-13-0	72
2		Octanal	128	C8H16O	000124-13-0	64
3		Octanal	128	C8H16O	000124-13-0	64
4		Octanal	128	C8H16O	000124-13-0	64
5		Octanal	128	C8H16O	000124-13-0	53



Data Path : W:\HPCHEM1\MSVOA W\DATA\VW052418\
Data File : VW002846.D
Acq On : 24 May 2018 14:54
Operator : JC/SY
Sample : J3030-06RE
Misc : 6.38G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

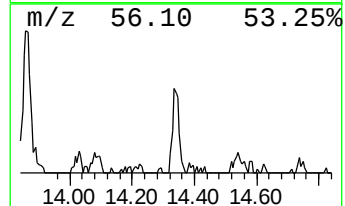
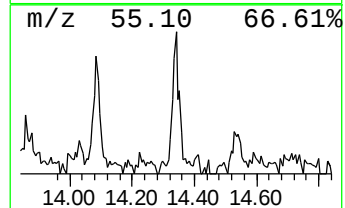
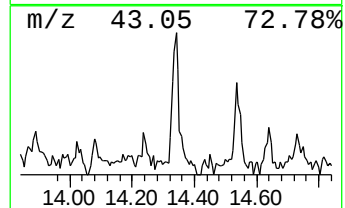
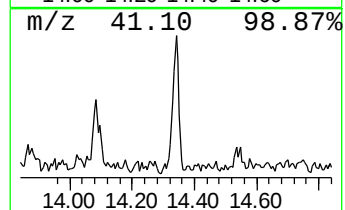
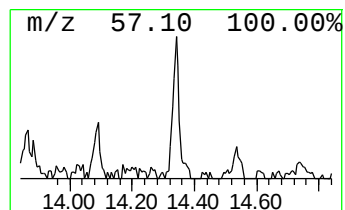
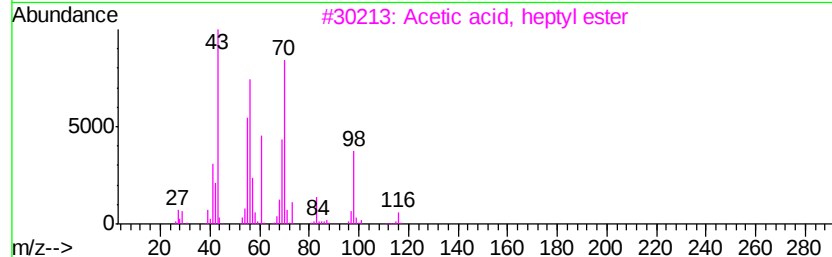
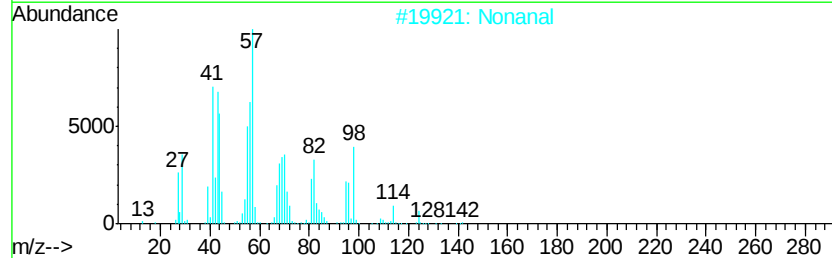
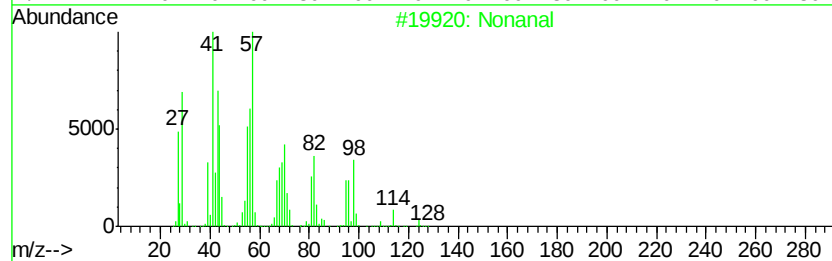
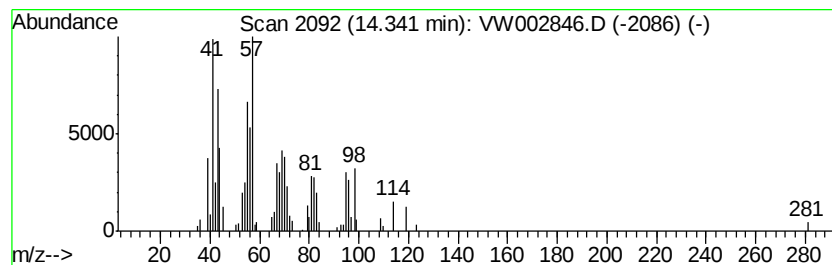
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Quant Title : VOC Analysis

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

Peak Number 15 Nonanal Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	1.71 ug/L	26999	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonanal	142	C9H18O	000124-19-6	64
2		Nonanal	142	C9H18O	000124-19-6	64
3		Acetic acid, heptyl ester	158	C9H18O2	000112-06-1	35
4		2- Bromopropionic acid, heptyl e...	250	C10H19BrO2	038674-99-6	35
5		Cyclohexanecarbonitrile, 1-hydroxy-	125	C7H11NO	000931-97-5	35



Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW052418\
 Data File : VW002846.D
 Acq On : 24 May 2018 14:54
 Operator : JC/SY
 Sample : J3030-06RE
 Misc : 6.38G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052218S.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
Acetaldehyde	2.48	1.5	ug/L	38002	1	8.85	628203	25.0
(DEL) Alkane: Str...	3.01	1.5	ug/L	38589	1	8.85	628203	25.0
(DEL) Alkane: Str...	3.37	1.5	ug/L	36801	1	8.85	628203	25.0
Pentanal	9.41	3.6	ug/L	90414	1	8.85	628203	25.0
Hexanal	11.08	22.1	ug/L	598141	2	11.64	676179	25.0
Furfural	11.84	3.1	ug/L	83889	2	11.64	676179	25.0
Heptanal	12.35	1.7	ug/L	45681	2	11.64	676179	25.0
Benzene, 1,2,3-tr...	13.26	1.4	ug/L	22453	3	13.57	395598	25.0
Octanal	13.41	2.3	ug/L	36476	3	13.57	395598	25.0
Nonanal	14.34	1.7	ug/L	26999	3	13.57	395598	25.0