

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071919\
 Data File : VW011383.D
 Acq On : 19 Jul 2019 17:36
 Operator : SY/VA
 Sample : K3863-15
 Misc : 5.57G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A52F5

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	1.934	3	5	35	rVB	2782973	10377947	100.00%	49.227%
2	2.148	36	40	62	rVB2	196935	593170	5.72%	2.814%
3	2.355	70	74	81	rVB	37747	76536	0.74%	0.363%
4	2.885	155	161	179	rVB3	53814	158783	1.53%	0.753%
5	3.385	236	243	254	rVB	9747	23508	0.23%	0.112%
6	3.525	260	266	272	rBV4	2032	5331	0.05%	0.025%
7	3.720	290	298	308	rBV5	2555	8095	0.08%	0.038%
8	4.013	332	346	357	rBV	102043	329208	3.17%	1.562%
9	4.117	357	363	375	rVB	23015	65504	0.63%	0.311%
10	4.385	397	407	419	rBV2	26578	86306	0.83%	0.409%
11	4.672	445	454	461	rBV2	8048	25227	0.24%	0.120%
12	5.440	570	580	593	rVB5	3292	12416	0.12%	0.059%
13	5.781	628	636	645	rVV3	3553	10358	0.10%	0.049%
14	5.934	651	661	671	rBV2	12693	38286	0.37%	0.182%
15	6.214	696	707	717	rVV	28620	87466	0.84%	0.415%
16	6.604	762	771	779	rBV6	2121	5758	0.06%	0.027%
17	6.903	808	820	829	rBV8	3993	15780	0.15%	0.075%
18	7.074	839	848	856	rBV	55757	157124	1.51%	0.745%
19	7.647	931	942	956	rBV	181820	451157	4.35%	2.140%
20	7.872	968	979	986	rBV	51829	138515	1.33%	0.657%
21	7.958	987	993	1000	rVB3	13010	32131	0.31%	0.152%
22	8.037	1000	1006	1014	rVB4	2612	6291	0.06%	0.030%
23	8.153	1018	1025	1035	rVB6	4806	11504	0.11%	0.055%
24	8.275	1035	1045	1061	rBV2	356505	1085631	10.46%	5.150%
25	8.561	1085	1092	1099	rVB5	6563	16557	0.16%	0.079%
26	8.695	1107	1114	1125	rBV4	9015	21686	0.21%	0.103%
27	8.842	1128	1138	1153	rBV	396250	771748	7.44%	3.661%
28	9.079	1165	1177	1185	rBV4	16324	41765	0.40%	0.198%
29	9.274	1200	1209	1216	rBV	271604	566002	5.45%	2.685%
30	9.409	1225	1231	1242	rVB	9325	20205	0.19%	0.096%
31	9.512	1245	1248	1254	rVB6	1445	2737	0.03%	0.013%
32	9.658	1267	1272	1279	rBV2	3545	6987	0.07%	0.033%
33	9.896	1299	1311	1316	rBV8	1921	4939	0.05%	0.023%
34	9.957	1316	1321	1326	rVV5	2049	4442	0.04%	0.021%

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35	10.036	1326	1334	1341	rVV	134827	246556	2.38%	1.170%
36	10.116	1343	1347	1358	rVV7	2886	9607	0.09%	0.046%
37	10.213	1358	1363	1368	rVV	5494	10438	0.10%	0.050%
38	10.323	1372	1381	1386	rVV	446709	793976	7.65%	3.766%
39	10.384	1386	1391	1402	rVV	333201	602260	5.80%	2.857%
40	10.500	1402	1410	1416	rVV3	41522	87144	0.84%	0.413%
41	10.579	1416	1423	1430	rVV	89403	157473	1.52%	0.747%
42	10.658	1430	1436	1440	rVV6	4722	13436	0.13%	0.064%
43	10.707	1440	1444	1449	rVV2	10570	18189	0.18%	0.086%
44	10.762	1449	1453	1459	rVB5	2830	5821	0.06%	0.028%
45	10.859	1462	1469	1473	rBV7	5292	9804	0.09%	0.047%
46	10.927	1473	1480	1495	rVV	200293	349418	3.37%	1.657%
47	11.073	1498	1504	1511	rVV	65386	114638	1.10%	0.544%
48	11.140	1511	1515	1518	rVV6	5455	11308	0.11%	0.054%
49	11.176	1518	1521	1525	rVV3	6900	11609	0.11%	0.055%
50	11.231	1525	1530	1536	rVV4	4031	7028	0.07%	0.033%
51	11.335	1542	1547	1550	rBV5	1637	2737	0.03%	0.013%
52	11.433	1561	1563	1571	rVB7	2236	4810	0.05%	0.023%
53	11.548	1572	1582	1588	rBV	21213	38914	0.37%	0.185%
54	11.634	1588	1596	1605	rBV	470586	809099	7.80%	3.838%
55	11.731	1607	1612	1621	rVB	19513	33979	0.33%	0.161%
56	11.841	1621	1630	1641	rBV4	22265	59869	0.58%	0.284%
57	12.018	1654	1659	1667	rVB4	6174	11503	0.11%	0.055%
58	12.164	1670	1683	1691	rBV	24408	54835	0.53%	0.260%
59	12.243	1691	1696	1700	rVB7	2221	4172	0.04%	0.020%
60	12.341	1706	1712	1723	rBV8	11856	35274	0.34%	0.167%
61	12.463	1726	1732	1736	rVB7	3026	5563	0.05%	0.026%
62	12.524	1736	1742	1746	rBV4	9355	15112	0.15%	0.072%
63	12.609	1751	1756	1761	rBV	50036	77231	0.74%	0.366%
64	12.695	1763	1770	1778	rVV	204659	349353	3.37%	1.657%
65	12.890	1792	1802	1806	rBV	48780	95256	0.92%	0.452%
66	12.993	1815	1819	1823	rVB	17091	27946	0.27%	0.133%
67	13.036	1823	1826	1831	rVB6	3955	6519	0.06%	0.031%
68	13.170	1844	1848	1851	rBV5	3921	7388	0.07%	0.035%
69	13.255	1857	1862	1873	rBV3	7017	20037	0.19%	0.095%
70	13.396	1878	1885	1889	rBV6	8425	16211	0.16%	0.077%
71	13.450	1889	1894	1897	rVV5	8911	16482	0.16%	0.078%

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72	13.499	1897	1902	1906	rVV	120766	186187	1.79%	0.883%
73	13.560	1906	1912	1921	rVB	368057	596033	5.74%	2.827%
74	13.652	1923	1927	1932	rVB2	6048	9168	0.09%	0.043%
75	13.719	1932	1938	1942	rBV	41323	68920	0.66%	0.327%
76	13.755	1942	1944	1948	rVV	18550	25256	0.24%	0.120%
77	13.804	1948	1952	1954	rVV2	12856	18917	0.18%	0.090%
78	13.853	1954	1960	1975	rVB	295014	536236	5.17%	2.544%
79	13.981	1978	1981	1984	rBV6	3772	5819	0.06%	0.028%
80	14.072	1992	1996	2004	rVB	16015	31005	0.30%	0.147%
81	14.213	2013	2019	2024	rBV8	7144	16189	0.16%	0.077%
82	14.328	2033	2038	2044	rBV4	11458	20221	0.19%	0.096%
83	14.389	2044	2048	2051	rBV5	7978	11110	0.11%	0.053%
84	14.462	2055	2060	2064	rVB	15787	24859	0.24%	0.118%
85	14.530	2064	2071	2073	rBV2	12354	21429	0.21%	0.102%
86	14.597	2081	2082	2087	rVB5	3019	4135	0.04%	0.020%
87	14.658	2090	2092	2096	rVV5	2163	2727	0.03%	0.013%
88	14.725	2100	2103	2109	rVV4	4872	8288	0.08%	0.039%
89	14.798	2109	2115	2119	rVV9	4412	11616	0.11%	0.055%
90	14.847	2119	2123	2128	rVV4	8132	18316	0.18%	0.087%
91	14.889	2128	2130	2139	rVB10	2375	4680	0.05%	0.022%
92	15.072	2157	2160	2164	rVB6	2992	4684	0.05%	0.022%
93	15.127	2166	2169	2172	rBV5	2131	2987	0.03%	0.014%
94	15.176	2175	2177	2181	rVV5	2161	2660	0.03%	0.013%
95	15.255	2186	2190	2194	rVV6	4560	7875	0.08%	0.037%
96	15.334	2198	2203	2207	rBV2	7778	13044	0.13%	0.062%
97	15.505	2228	2231	2237	rVB8	4877	9851	0.09%	0.047%
98	15.572	2237	2242	2243	rBV4	2270	3531	0.03%	0.017%
99	15.737	2266	2269	2275	rVB7	3474	6447	0.06%	0.031%
100	16.291	2355	2360	2368	rVB7	4922	9630	0.09%	0.046%

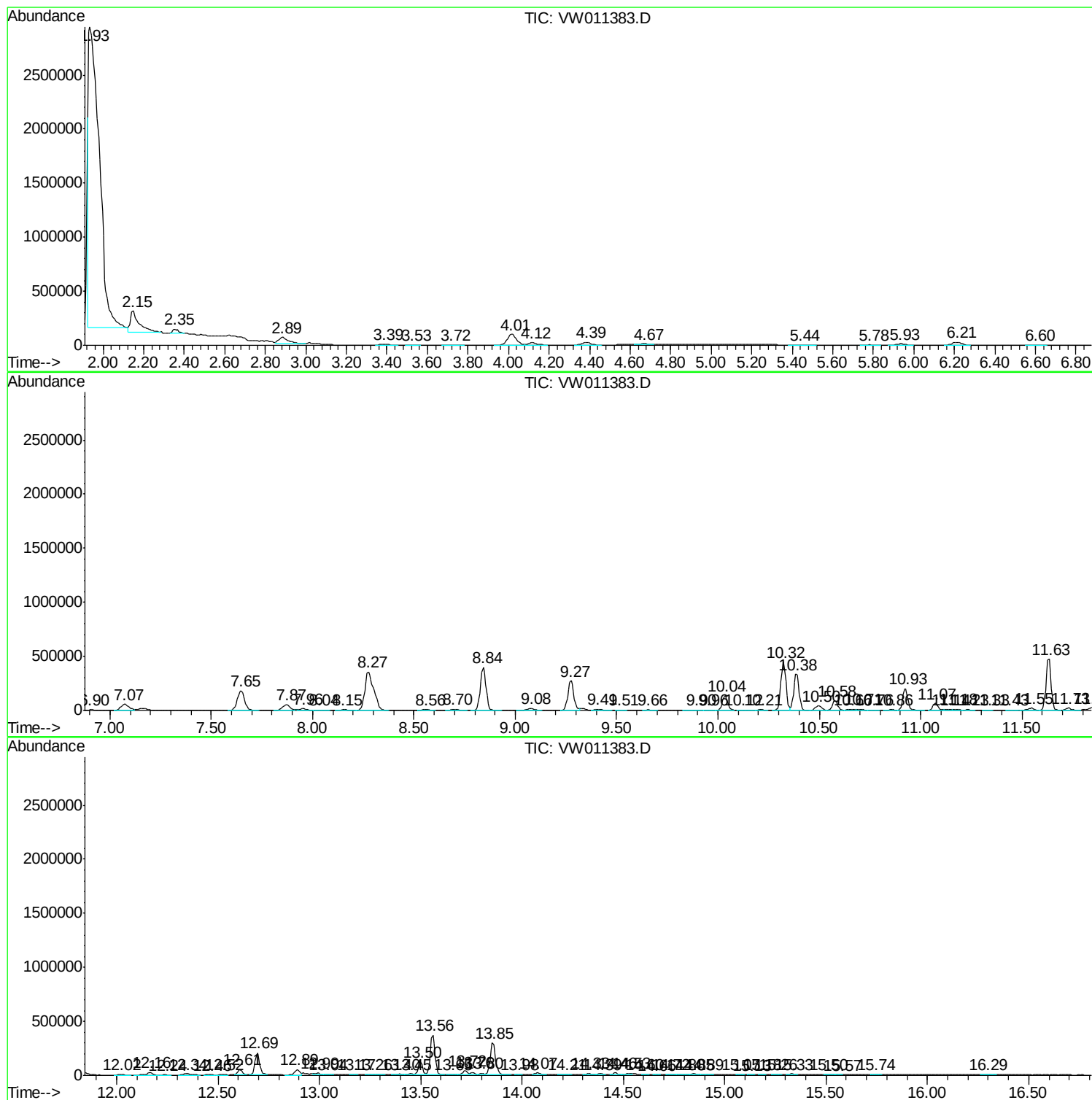
Sum of corrected areas: 21081915

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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



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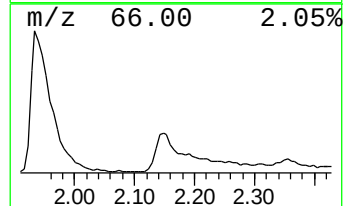
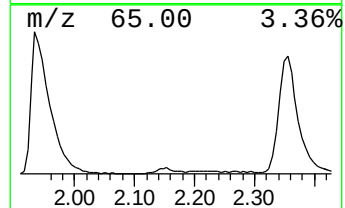
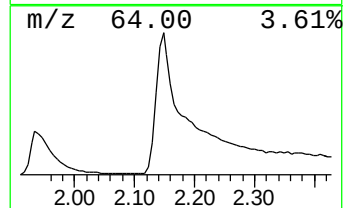
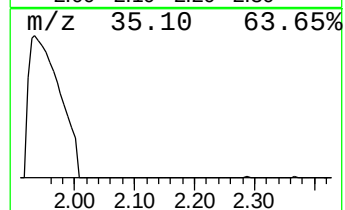
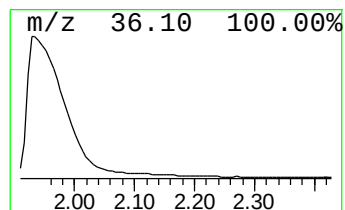
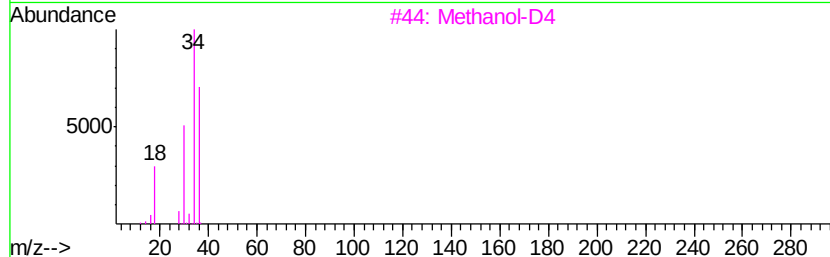
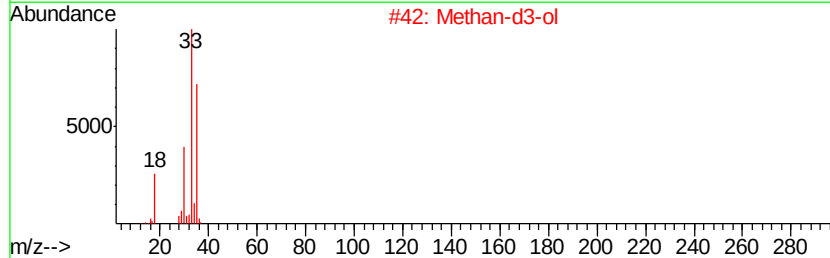
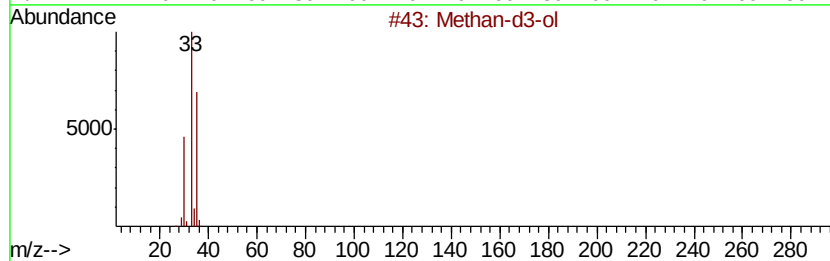
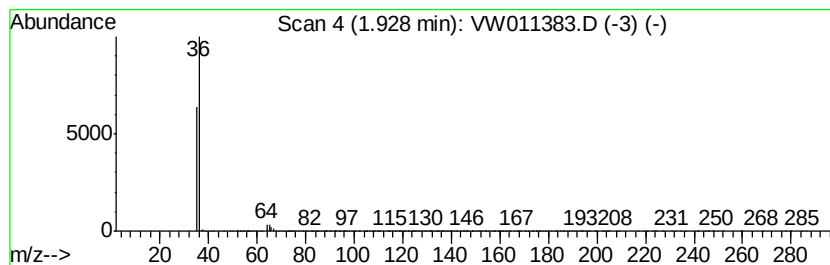
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis

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

Peak Number 1 unknown-01 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.93	336.18 ug/L	10377900	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Methan-d3-ol	35	CHD3O	001849-29-2	3
2		Methan-d3-ol	35	CHD3O	001849-29-2	3
3		Methanol-D4	36	CD4O	000811-98-3	3
4		Hydrogen chloride	36	ClH	007647-01-0	2
5		Hydrogen chloride	36	ClH	007647-01-0	2



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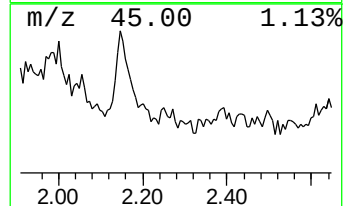
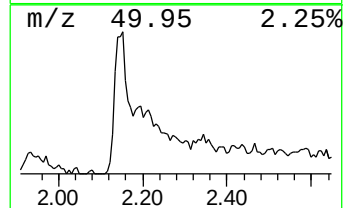
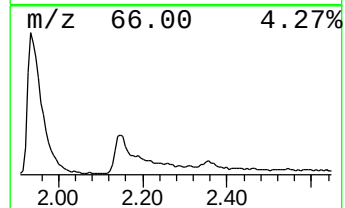
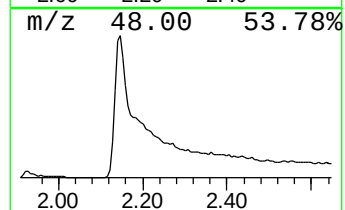
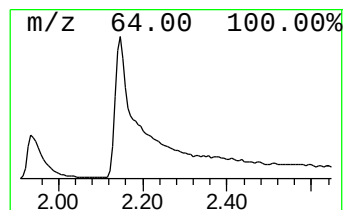
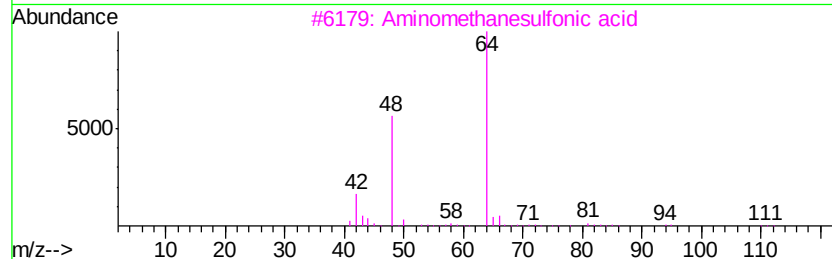
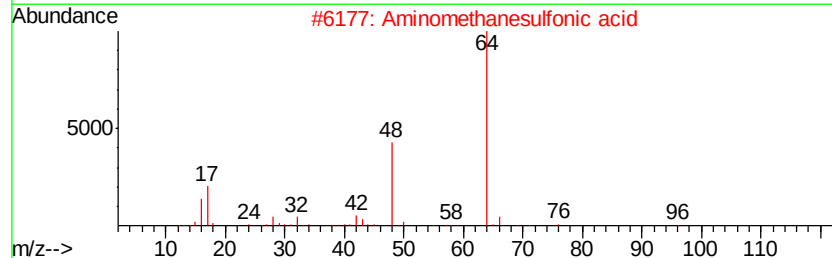
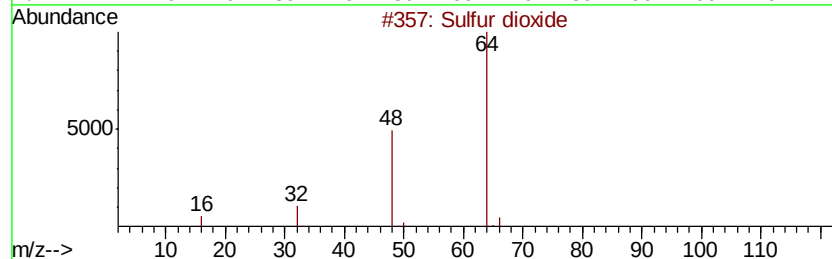
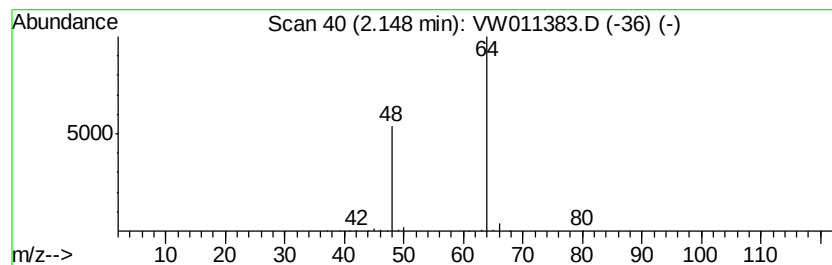
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis

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

Peak Number 2 Sulfur dioxide Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.15	19.22 ug/L	593170	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	64
4		Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	64
5		L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9



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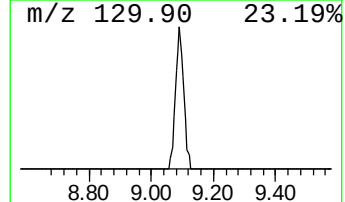
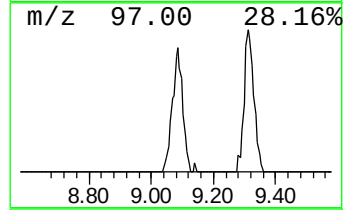
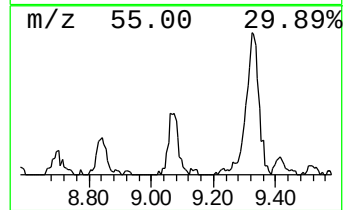
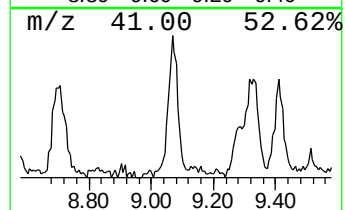
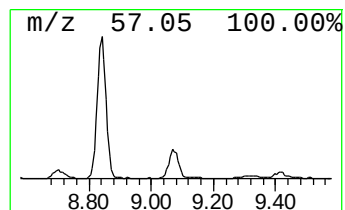
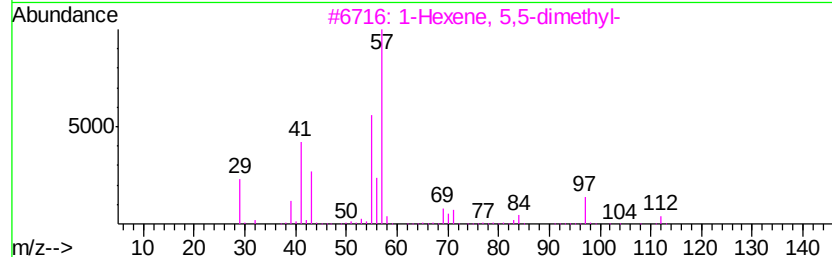
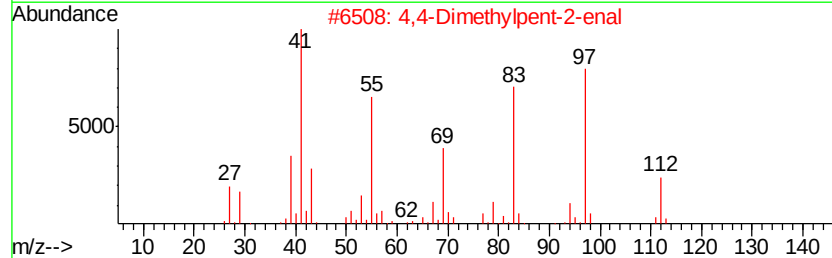
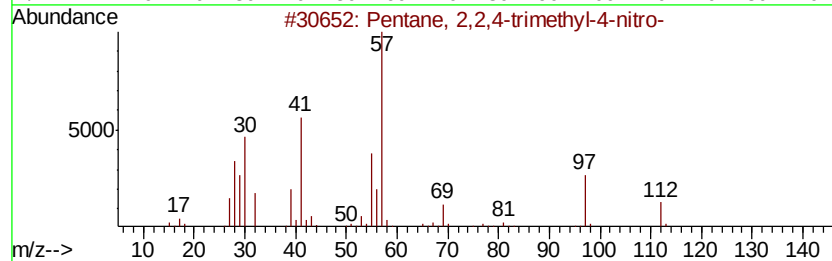
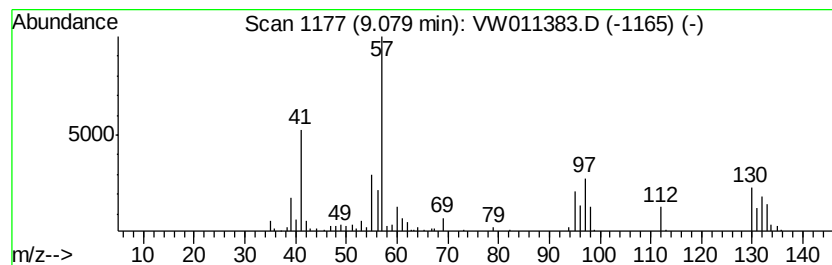
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Quant Title : VOC Analysis

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TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown-02 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.08	1.35 ug/L	41765	1,4-Difluorobenzene	8.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,2,4-trimethyl-4-nitro-	159	C8H17NO2	005342-78-9	14
2			4,4-Dimethylpent-2-enal	112	C7H12O	1000195-01-6	10
3			1-Hexene, 5,5-dimethyl-	112	C8H16	007116-86-1	9
4			Propane, 1-(t-butylthio)-2-(chloro...	224	C9H17ClO2S	1000161-43-7	9
5			3-Tetradecyn-1-ol	210	C14H26O	055182-74-6	9



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071919\
Data File : VW011383.D
Acq On : 19 Jul 2019 17:36
Operator : SY/VA
Sample : K3863-15
Misc : 5.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A52F5

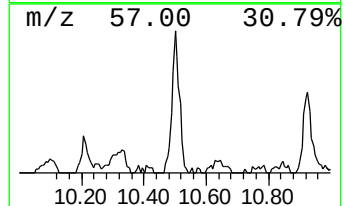
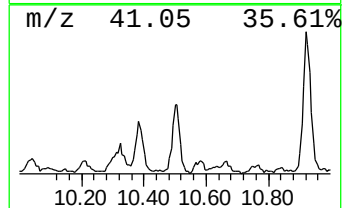
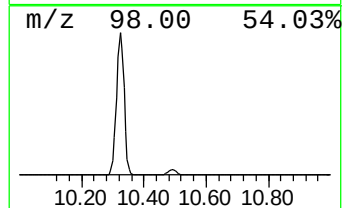
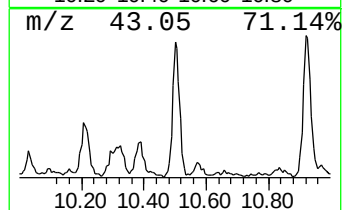
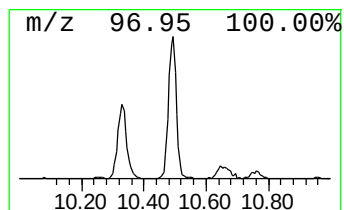
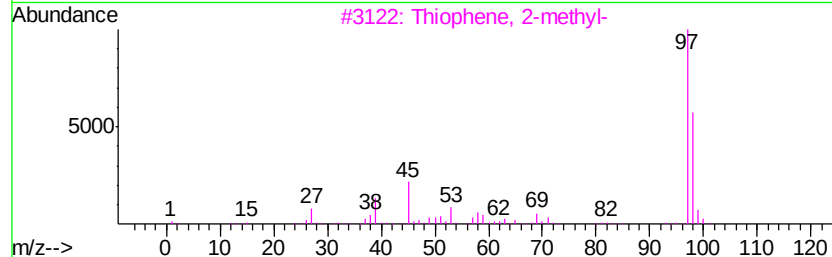
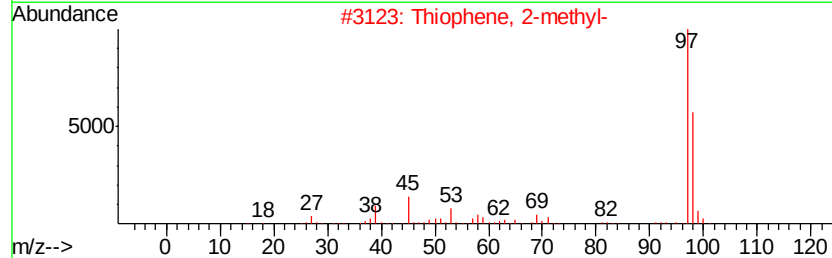
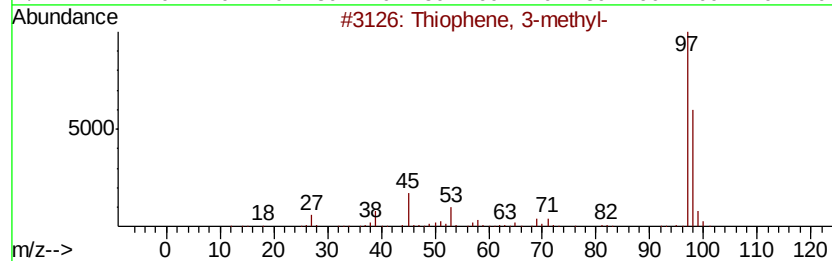
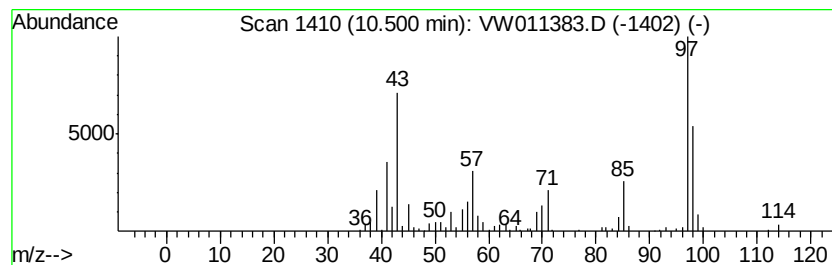
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Quant Title : VOC Analysis

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

Peak Number 5 Thiophene, 3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.50	2.69 ug/L	87144	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	76
2		Thiophene, 2-methyl-	98	C5H6S	000554-14-3	70
3		Thiophene, 2-methyl-	98	C5H6S	000554-14-3	70
4		Thiophene, 3-methyl-	98	C5H6S	000616-44-4	70
5		Thiophene, 3-methyl-	98	C5H6S	000616-44-4	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071919\
Data File : VW011383.D
Acq On : 19 Jul 2019 17:36
Operator : SY/VA
Sample : K3863-15
Misc : 5.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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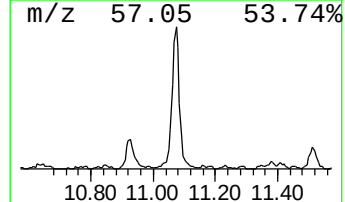
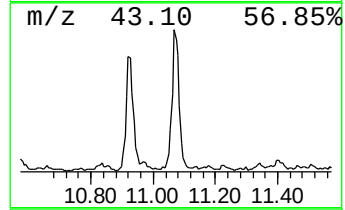
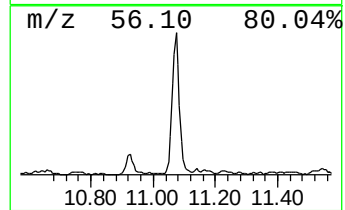
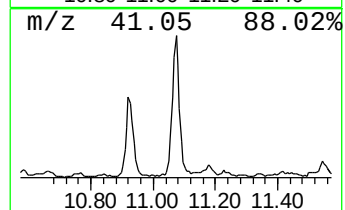
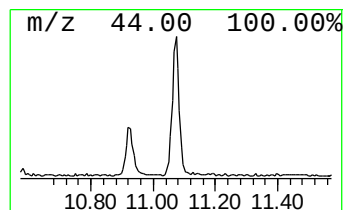
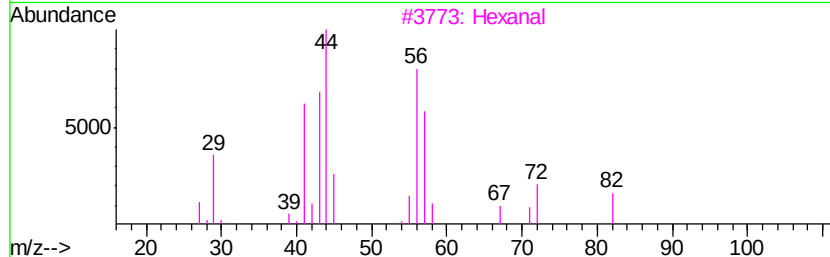
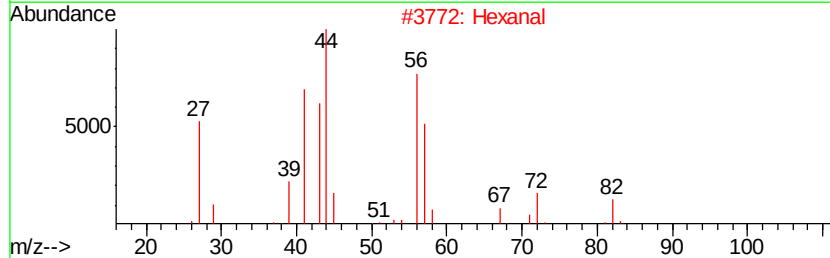
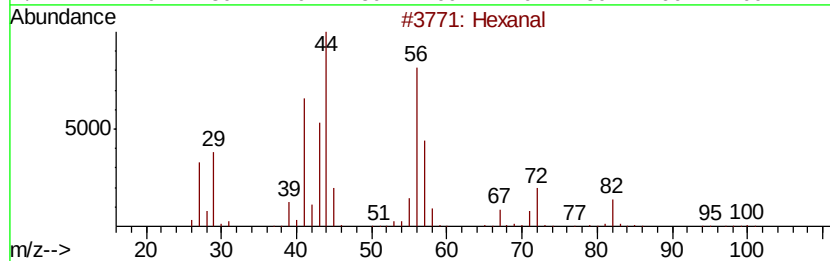
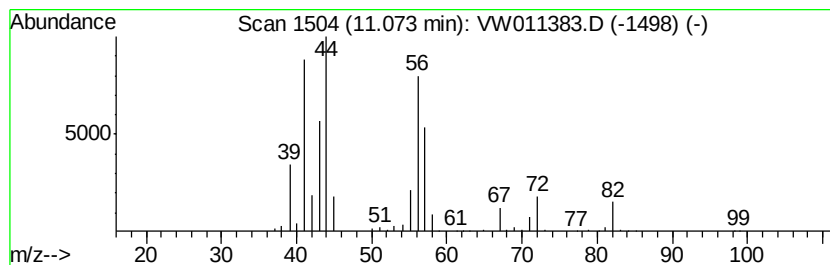
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Quant Title : VOC Analysis

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

Peak Number 6 Hexanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	3.54 ug/L	114638	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	80
3	Hexanal		100	C6H12O	000066-25-1	78
4	Hexanal		100	C6H12O	000066-25-1	72
5	Cyclobutanol, 2-ethyl-		100	C6H12O	035301-43-0	39



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071919\
Data File : VW011383.D
Acq On : 19 Jul 2019 17:36
Operator : SY/VA
Sample : K3863-15
Misc : 5.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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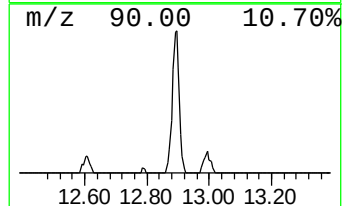
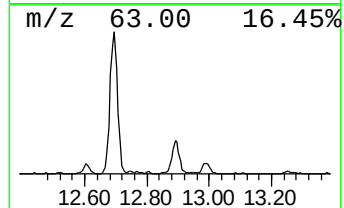
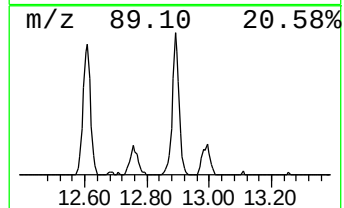
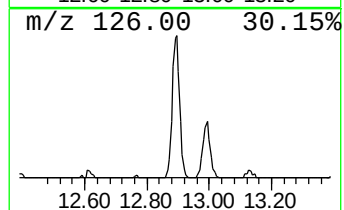
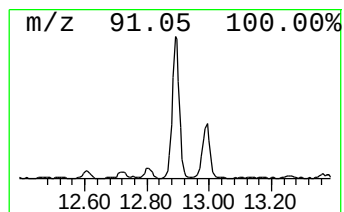
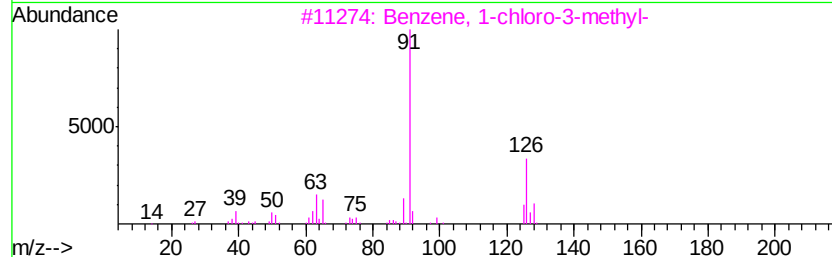
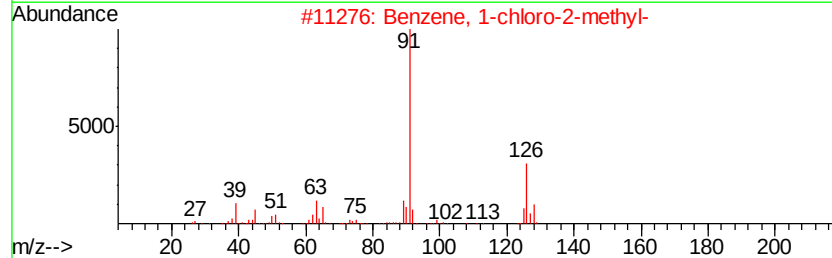
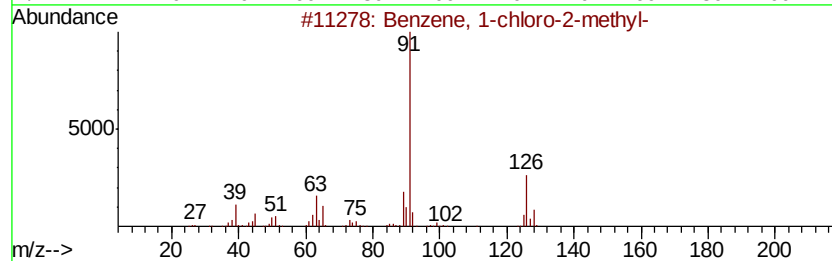
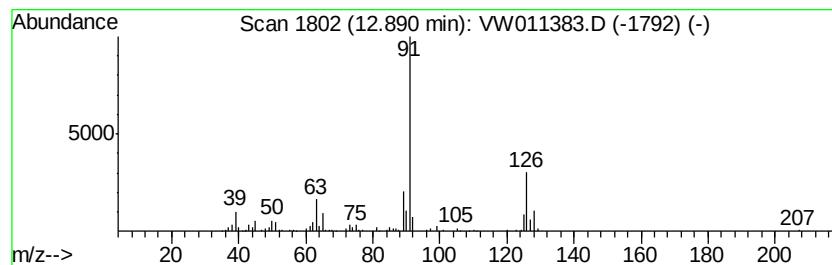
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Quant Title : VOC Analysis

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

Peak Number 8 Benzene, 1-chloro-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.89	4.00 ug/L	95256	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-chloro-2-methyl-	126	C7H7Cl	000095-49-8	96
2		Benzene, 1-chloro-2-methyl-	126	C7H7Cl	000095-49-8	94
3		Benzene, 1-chloro-3-methyl-	126	C7H7Cl	000108-41-8	93
4		Benzene, 1-chloro-4-methyl-	126	C7H7Cl	000106-43-4	92
5		Benzene, 1-chloro-2-methyl-	126	C7H7Cl	000095-49-8	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071919\
Data File : VW011383.D
Acq On : 19 Jul 2019 17:36
Operator : SY/VA
Sample : K3863-15
Misc : 5.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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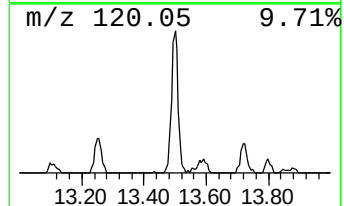
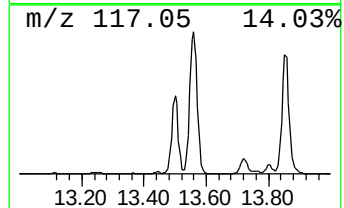
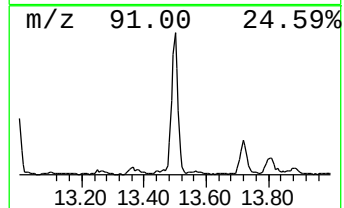
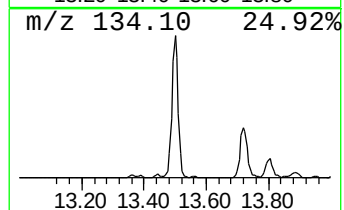
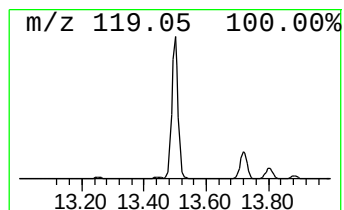
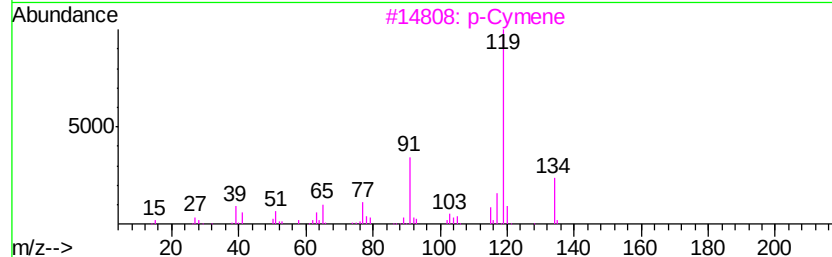
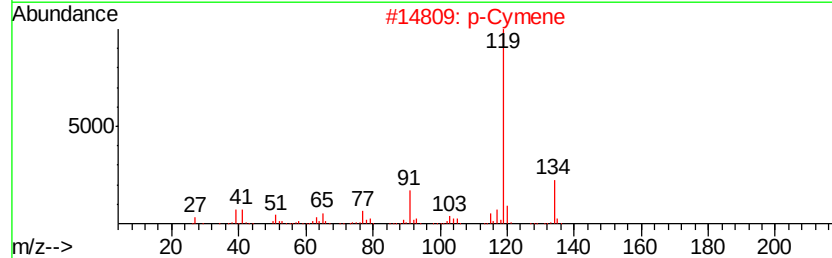
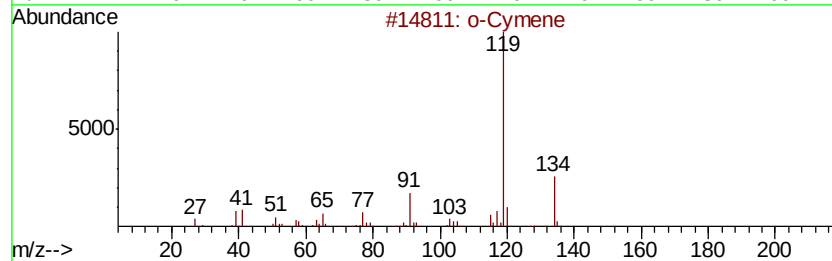
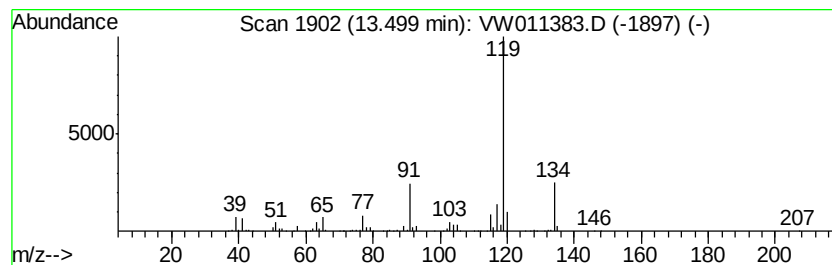
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Quant Title : VOC Analysis

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

Peak Number 9 o-Cymene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.50	7.81 ug/L	186187	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	97
2		p-Cymene	134	C10H14	000099-87-6	97
3		p-Cymene	134	C10H14	000099-87-6	95
4		o-Cymene	134	C10H14	000527-84-4	94
5		o-Cymene	134	C10H14	000527-84-4	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071919\
Data File : VW011383.D
Acq On : 19 Jul 2019 17:36
Operator : SY/VA
Sample : K3863-15
Misc : 5.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
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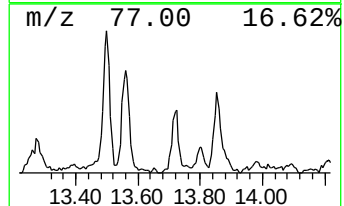
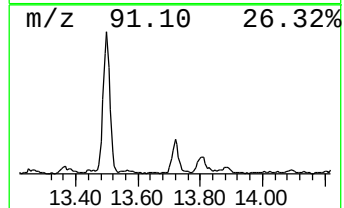
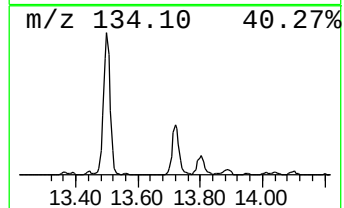
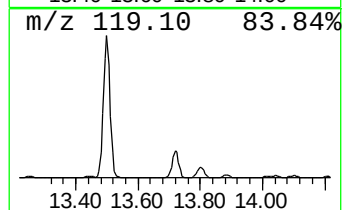
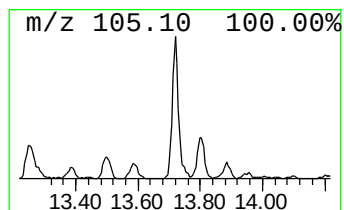
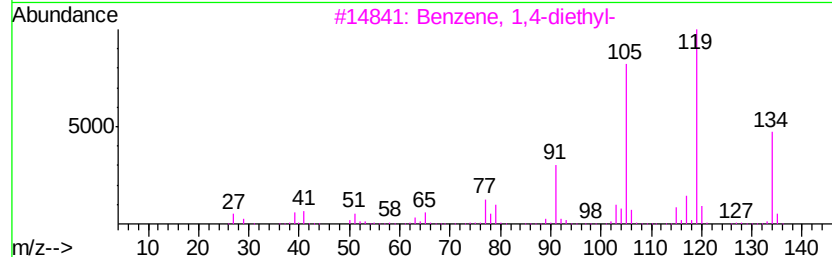
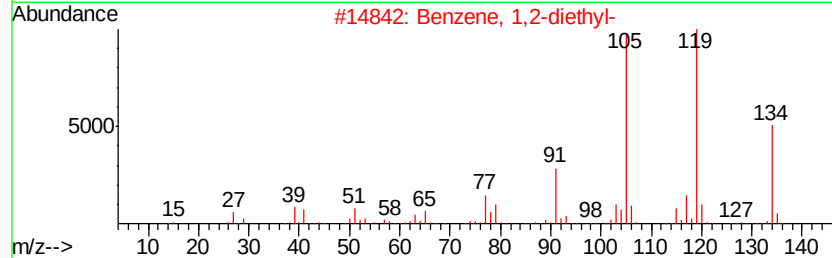
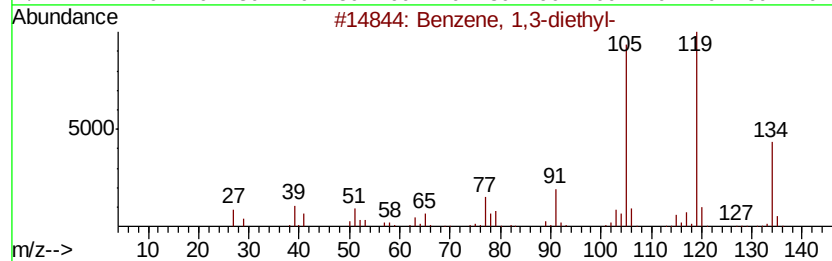
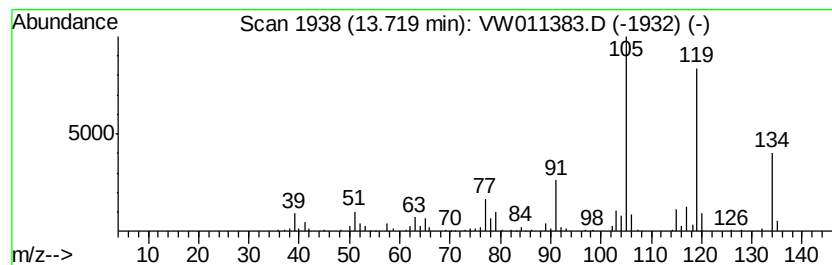
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Quant Title : VOC Analysis

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

Peak Number 10 Benzene, 1,3-diethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	2.89 ug/L	68920	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	97
2			Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
3			Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
4			Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	93
5			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071919\
Data File : VW011383.D
Acq On : 19 Jul 2019 17:36
Operator : SY/VA
Sample : K3863-15
Misc : 5.57G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A52F5

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
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Sulfur dioxide	2.15	19.2	ug/L	593170	1	8.84	771748	25.0
unknown-02	9.08	1.4	ug/L	41765	1	8.84	771748	25.0
Thiophene, 3-methyl-	10.50	2.7	ug/L	87144	2	11.63	809099	25.0
Hexanal	11.07	3.5	ug/L	114638	2	11.63	809099	25.0
Benzene, 1-chloro...	12.89	4.0	ug/L	95256	3	13.56	596033	25.0
o-Cymene	13.50	7.8	ug/L	186187	3	13.56	596033	25.0
Benzene, 1,3-diet...	13.72	2.9	ug/L	68920	3	13.56	596033	25.0