

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042419\
 Data File : VW010115.D
 Acq On : 24 Apr 2019 16:18
 Operator : SY/VA
 Sample : K2456-02RE
 Misc : 5.01G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAHQ2RE

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\SOM2WLM042419S.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	2.154	37	41	47	rBV2	10895	24054	0.01%	0.002%
2	2.349	67	73	80	rVB	59859	104222	0.03%	0.010%
3	2.885	155	161	174	rVB	45399	113657	0.03%	0.011%
4	3.843	316	318	320	rVB3	1830	1210	0.00%	0.000%
5	3.916	328	330	332	rBV3	1176	1306	0.00%	0.000%
6	3.995	333	343	356	rVB	150541	414494	0.11%	0.041%
7	4.117	361	363	365	rBV3	1701	2126	0.00%	0.000%
8	4.239	380	383	387	rVB4	918	1475	0.00%	0.000%
9	4.336	394	399	400	rBV4	749	1186	0.00%	0.000%
10	4.391	403	408	409	rBV4	3054	4060	0.00%	0.000%
11	4.495	419	425	433	rVB6	3352	8930	0.00%	0.001%
12	4.897	481	491	503	rVB2	14533	46375	0.01%	0.005%
13	5.111	525	526	528	rBV2	1094	1093	0.00%	0.000%
14	5.354	563	566	570	rBV4	733	1070	0.00%	0.000%
15	5.793	636	638	643	rVB3	1071	1204	0.00%	0.000%
16	5.921	651	659	661	rBV5	3622	6355	0.00%	0.001%
17	6.427	739	742	745	rVB2	887	1090	0.00%	0.000%
18	6.927	819	824	827	rBV4	964	1549	0.00%	0.000%
19	7.080	837	849	860	rBV2	40050	113321	0.03%	0.011%
20	7.250	869	877	889	rVV	26937	68087	0.02%	0.007%
21	7.537	920	924	926	rVV5	2203	3180	0.00%	0.000%
22	7.555	926	927	931	rVV2	1878	1890	0.00%	0.000%
23	7.641	931	941	956	rVB	205182	514085	0.14%	0.051%
24	8.269	1034	1044	1062	rBV2	399361	1214666	0.32%	0.120%
25	8.695	1113	1114	1117	rVB3	1190	1204	0.00%	0.000%
26	8.842	1127	1138	1150	rBV	310940	629962	0.17%	0.062%
27	9.049	1166	1172	1173	rBV4	1345	2029	0.00%	0.000%
28	9.275	1198	1209	1219	rBV	285279	586989	0.16%	0.058%
29	9.409	1225	1231	1236	rBV8	2614	5097	0.00%	0.001%
30	9.628	1263	1267	1271	rBV5	815	1557	0.00%	0.000%
31	9.665	1271	1273	1277	rBV4	1491	1890	0.00%	0.000%
32	9.756	1283	1288	1290	rBV4	689	1042	0.00%	0.000%
33	10.030	1325	1333	1343	rVV	146272	273899	0.07%	0.027%
34	10.116	1345	1347	1348	rVV2	1916	1472	0.00%	0.000%

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35	10.134	1348	1350	1355	rVB6	1848	2756	0.00%	0.000%
36	10.323	1372	1381	1386	rBV	540356	936255	0.25%	0.092%
37	10.384	1386	1391	1405	rVB	301965	530213	0.14%	0.052%
38	10.494	1405	1409	1410	rBV4	1319	1584	0.00%	0.000%
39	10.579	1415	1423	1430	rBV	95986	170918	0.05%	0.017%
40	10.707	1439	1444	1449	rVB2	5864	10060	0.00%	0.001%
41	10.854	1467	1468	1472	rVB4	1469	1507	0.00%	0.000%
42	10.927	1472	1480	1492	rBV	157103	274692	0.07%	0.027%
43	11.073	1498	1504	1512	rVV2	21503	37881	0.01%	0.004%
44	11.305	1540	1542	1545	rVB	1570	1187	0.00%	0.000%
45	11.335	1545	1547	1549	rBV2	1704	1377	0.00%	0.000%
46	11.469	1566	1569	1570	rBV3	1128	1347	0.00%	0.000%
47	11.634	1588	1596	1603	rVV	399485	701826	0.19%	0.069%
48	11.731	1606	1612	1618	rVV	125052	208268	0.06%	0.020%
49	11.835	1622	1629	1646	rVB	711963	1313736	0.35%	0.129%
50	12.115	1673	1675	1676	rBV2	2121	1535	0.00%	0.000%
51	12.170	1677	1684	1695	rVB3	806921	1629346	0.43%	0.160%
52	12.347	1708	1713	1716	rBV7	5020	9465	0.00%	0.001%
53	12.463	1728	1732	1737	rVB4	8281	12496	0.00%	0.001%
54	12.609	1750	1756	1761	rVB2	10440	20256	0.01%	0.002%
55	12.695	1763	1770	1775	rBV2	180632	289703	0.08%	0.029%
56	12.743	1775	1778	1783	rVB	35570	47661	0.01%	0.005%
57	12.804	1783	1788	1792	rBV	64864	106610	0.03%	0.010%
58	12.871	1792	1799	1802	rVV	1724971	2897161	0.77%	0.285%
59	12.902	1802	1804	1807	rVV	809265	1116425	0.30%	0.110%
60	12.945	1807	1811	1822	rVB	5923673	8945656	2.37%	0.880%
61	13.109	1831	1838	1846	rBV	1928880	3352468	0.89%	0.330%
62	13.256	1851	1862	1866	rBV	13519205	21576365	5.72%	2.123%
63	13.304	1866	1870	1875	rVV	6548550	9610067	2.55%	0.946%
64	13.353	1875	1878	1887	rVB	2185879	3424447	0.91%	0.337%
65	13.445	1888	1893	1898	rBV	477300	771692	0.20%	0.076%
66	13.499	1898	1902	1908	rVB2	302110	510963	0.14%	0.050%
67	13.591	1908	1917	1932	rBV2	10507380	18823749	4.99%	1.852%
68	13.725	1932	1939	1940	rBV2	1295212	2077032	0.55%	0.204%
69	13.762	1940	1945	1947	rVV2	3278535	5494726	1.46%	0.541%
70	13.792	1947	1950	1956	rVB2	3931142	6127112	1.62%	0.603%
71	13.859	1957	1961	1962	rBV	287069	405828	0.11%	0.040%

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ClientSampleId :
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Integration Parameters: LSCINT.P

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72	13.944	1969	1975	1981	rBV2	4439699	7479741	1.98%	0.736%
73	14.018	1982	1987	1988	rBV	1481023	2015234	0.53%	0.198%
74	14.042	1988	1991	1997	rVV2	2435347	4860182	1.29%	0.478%
75	14.103	1997	2001	2004	rVV	3182526	4781150	1.27%	0.470%
76	14.146	2004	2008	2014	rVV	1799575	3656114	0.97%	0.360%
77	14.237	2014	2023	2028	rVV2	7345427	13173569	3.49%	1.296%
78	14.292	2028	2032	2036	rVB2	1319463	2018985	0.54%	0.199%
79	14.341	2036	2040	2045	rVB	1310784	1860233	0.49%	0.183%
80	14.426	2045	2054	2057	rBV	4532314	8231235	2.18%	0.810%
81	14.463	2057	2060	2065	rVV2	8725840	14013197	3.71%	1.379%
82	14.505	2065	2067	2071	rVV	2220707	3153204	0.84%	0.310%
83	14.560	2071	2076	2081	rVB3	4557313	7799246	2.07%	0.767%
84	14.646	2088	2090	2094	rVB	516265	603925	0.16%	0.059%
85	14.694	2094	2098	2102	rBV	2838368	4814072	1.28%	0.474%
86	14.737	2102	2105	2109	rVB	2360956	3239323	0.86%	0.319%
87	14.804	2109	2116	2122	rBV3	11157070	23023484	6.10%	2.265%
88	14.877	2122	2128	2136	rVV3	4935111	9633062	2.55%	0.948%
89	14.963	2136	2142	2149	rVB	11593065	18967172	5.03%	1.866%
90	15.200	2176	2181	2187	rVB2	1501020	3023579	0.80%	0.297%
91	15.328	2198	2202	2203	rBV3	1217779	1604027	0.43%	0.158%
92	15.401	2203	2214	2222	rVB4	110048660	377276969	100.00%	37.120%
93	15.481	2222	2227	2233	rBV	6893676	11359975	3.01%	1.118%
94	15.566	2237	2241	2249	rVB	2180616	3753621	0.99%	0.369%
95	15.664	2253	2257	2263	rBV2	803695	1373898	0.36%	0.135%
96	15.962	2301	2306	2313	rBV3	678602	1608823	0.43%	0.158%
97	16.389	2369	2376	2379	rBV	1820289	3840006	1.02%	0.378%
98	16.468	2379	2389	2401	rVV3	91005021	248199647	65.79%	24.420%
99	16.578	2401	2407	2412	rVV	709308	1699110	0.45%	0.167%
100	16.663	2412	2421	2432	rVB2	55040477	133718571	35.44%	13.156%

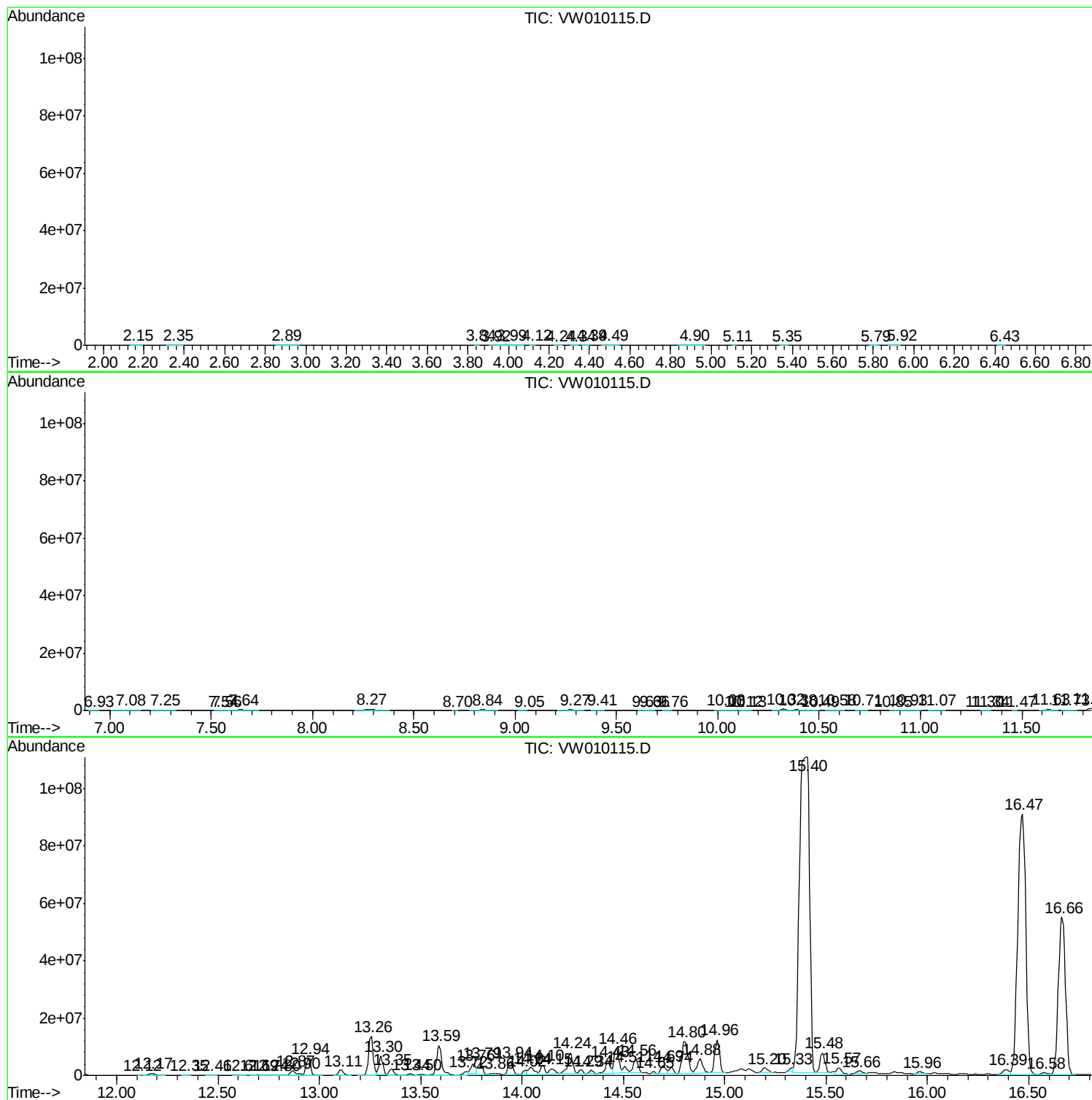
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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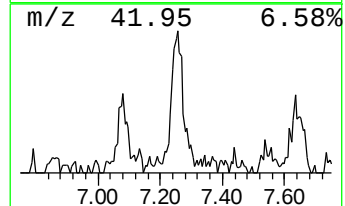
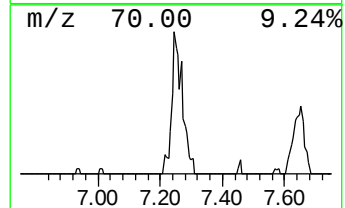
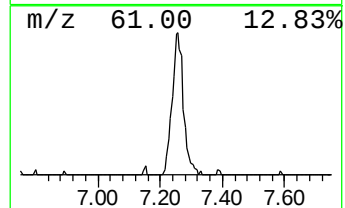
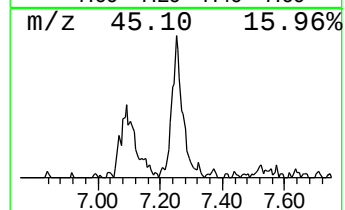
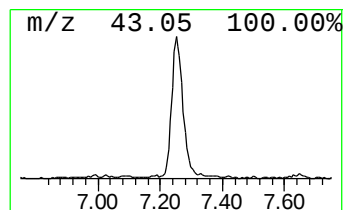
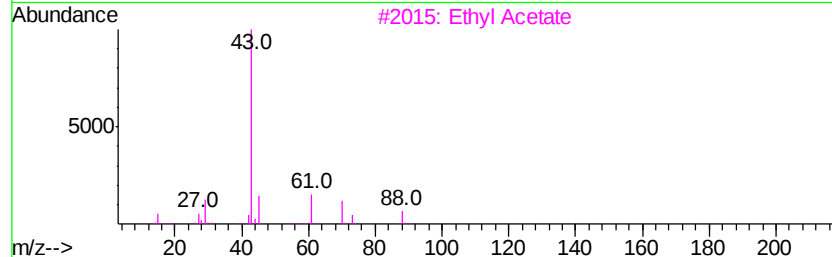
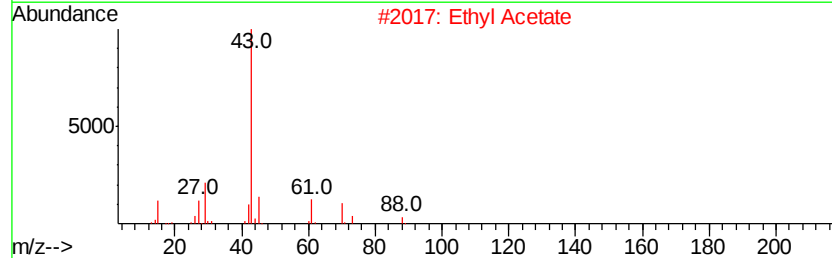
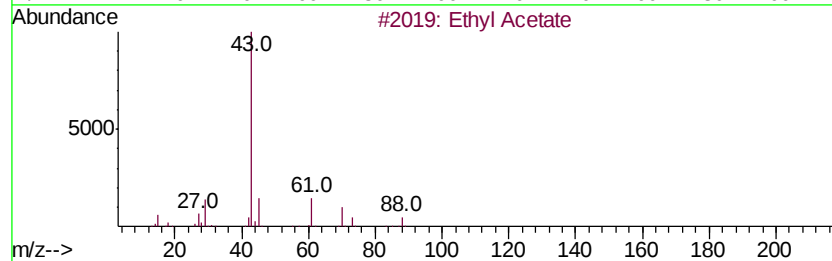
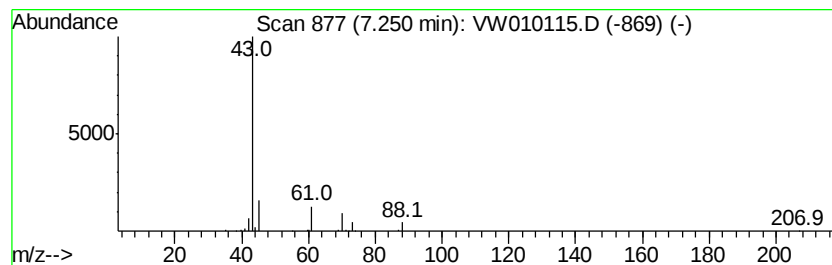
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 1 Ethyl Acetate Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.25	2.70 ug/L	68087	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ethyl Acetate	88	C4H8O2	000141-78-6	86
2		Ethyl Acetate	88	C4H8O2	000141-78-6	78
3		Ethyl Acetate	88	C4H8O2	000141-78-6	45
4		Ethyl Acetate	88	C4H8O2	000141-78-6	42
5		CH3C(O)CH2CH2OH	88	C4H8O2	000590-90-9	37



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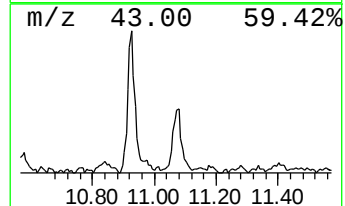
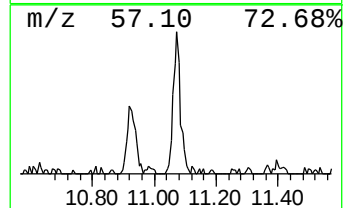
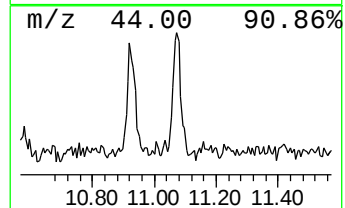
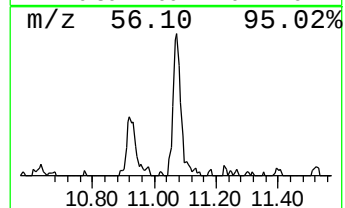
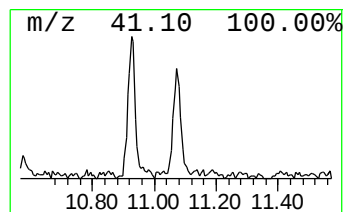
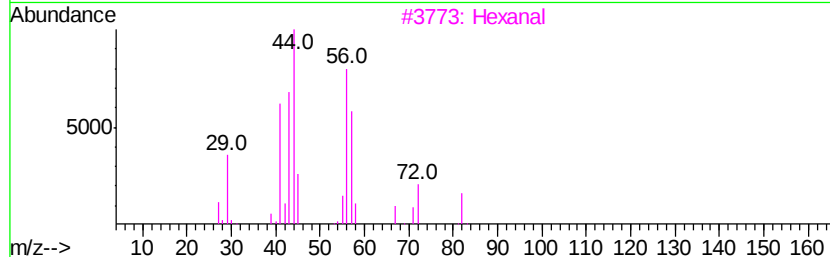
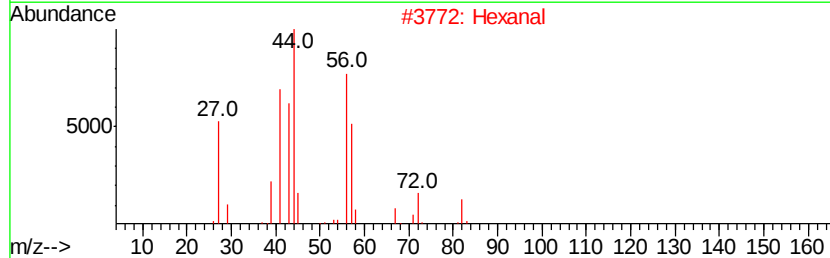
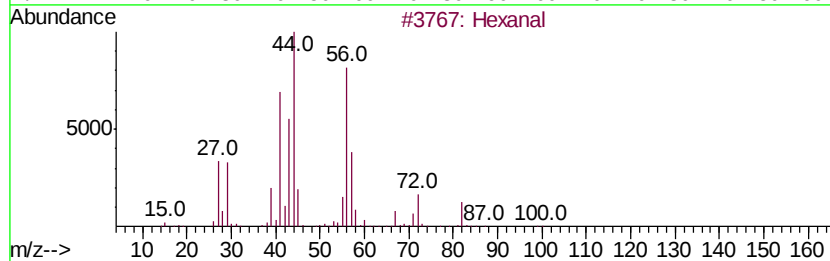
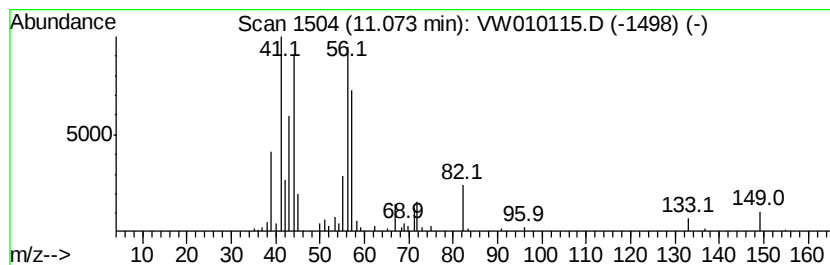
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Quant Title : VOC Analysis

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

Peak Number 3 Hexanal Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	1.35 ug/L	37881	Chlorobenzene-d5	11.63

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal		100	C6H12O	000066-25-1	53
2	Hexanal		100	C6H12O	000066-25-1	40
3	Hexanal		100	C6H12O	000066-25-1	40
4	2,2-Dimethyl-3-hydroxypropionald...		102	C5H10O2	000597-31-9	38
5	1-Pentene, 2-methyl-		84	C6H12	000763-29-1	35



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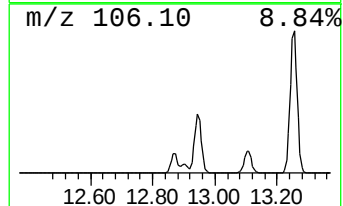
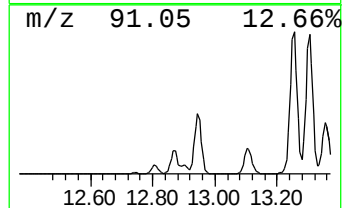
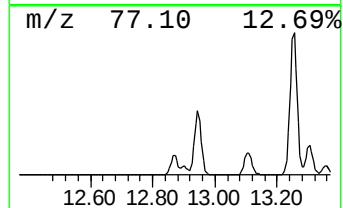
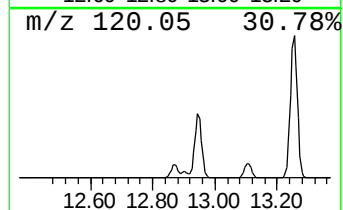
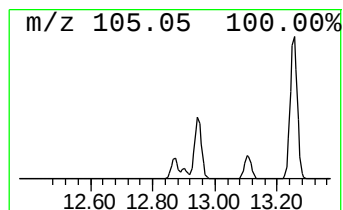
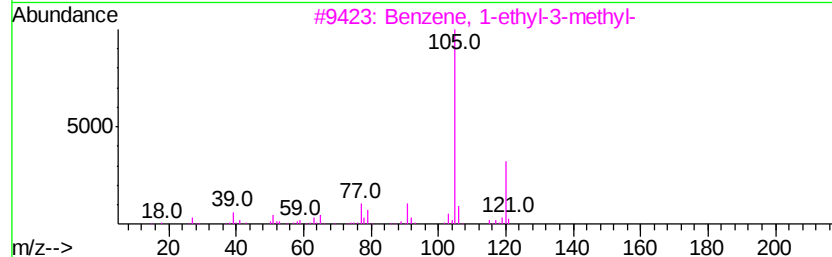
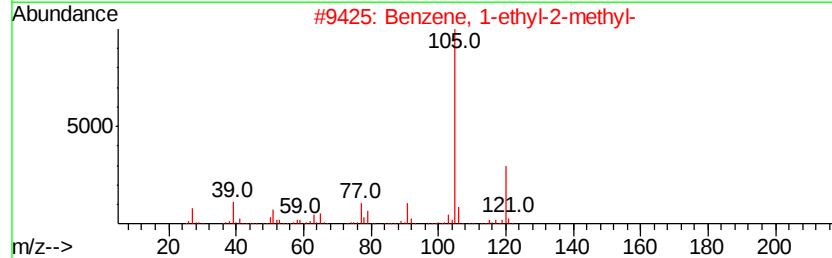
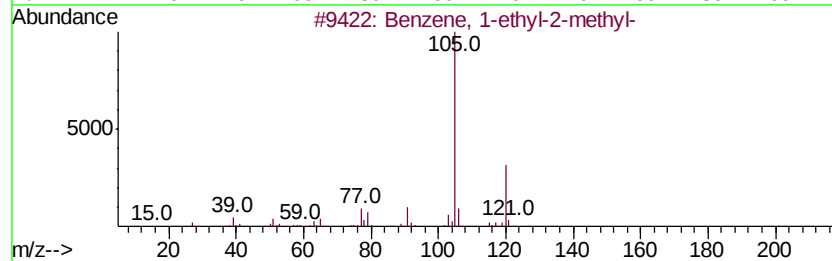
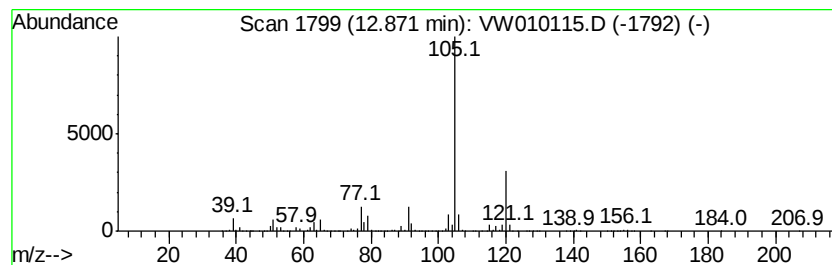
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	3.85 ug/L	2897160	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
4		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010115.D
Acq On : 24 Apr 2019 16:18
Operator : SY/VA
Sample : K2456-02RE
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHQ2RE

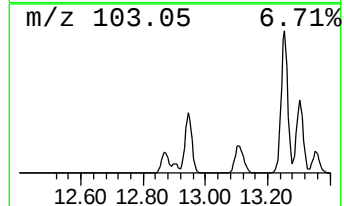
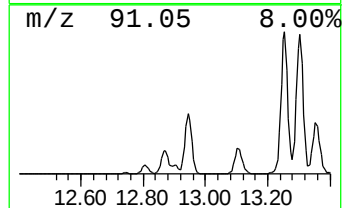
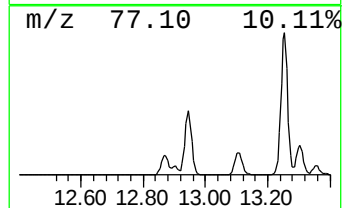
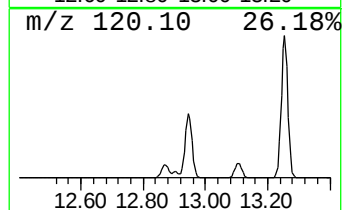
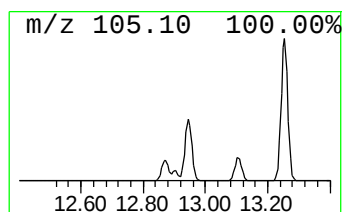
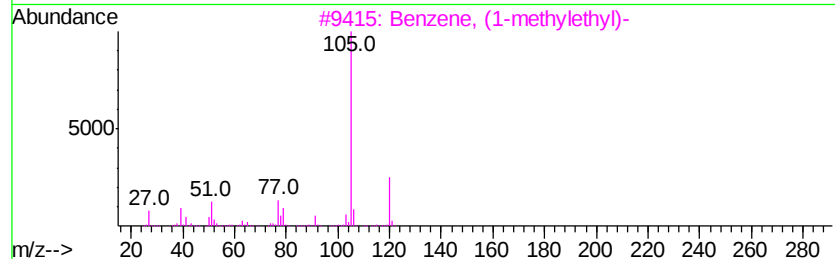
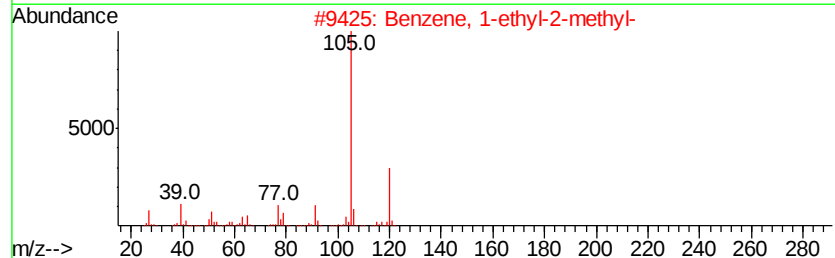
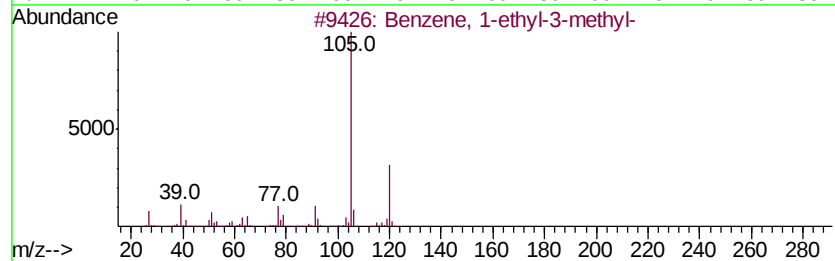
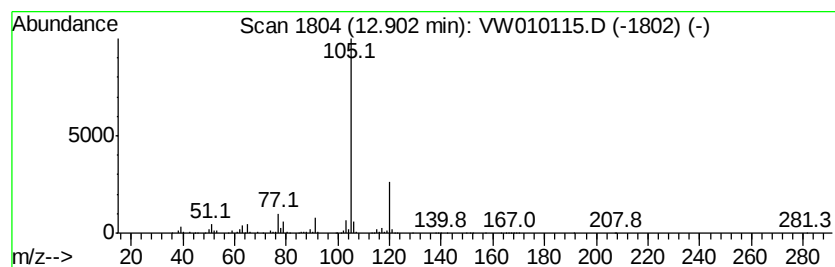
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Quant Title : VOC Analysis

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

Peak Number 5 Benzene, 1-ethyl-3-methyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.90	1.48 ug/L	1116430	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
2		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
3		Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	87
4		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	86
5		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	81



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010115.D
Acq On : 24 Apr 2019 16:18
Operator : SY/VA
Sample : K2456-02RE
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHQ2RE

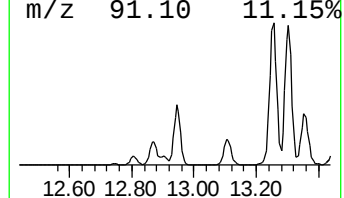
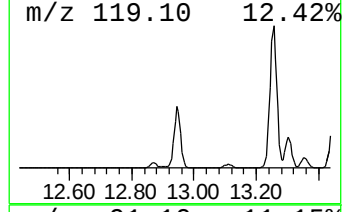
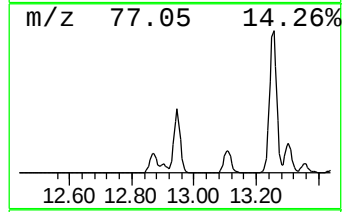
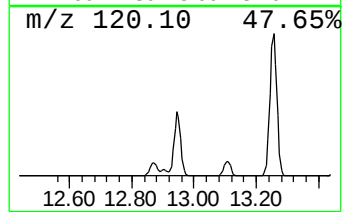
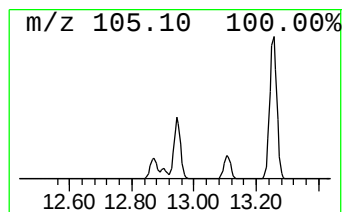
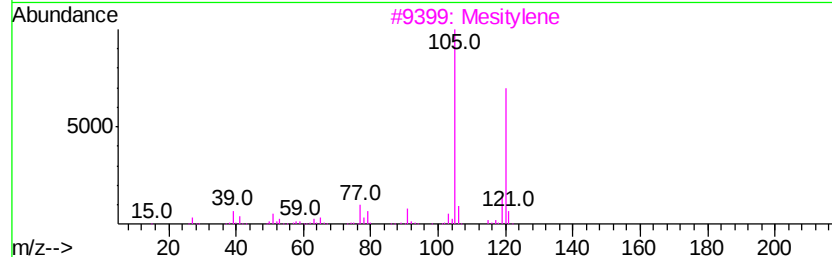
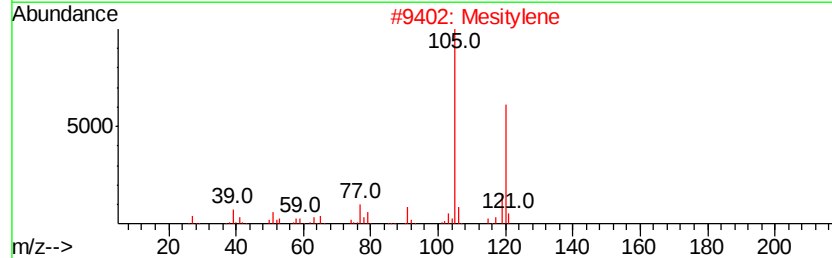
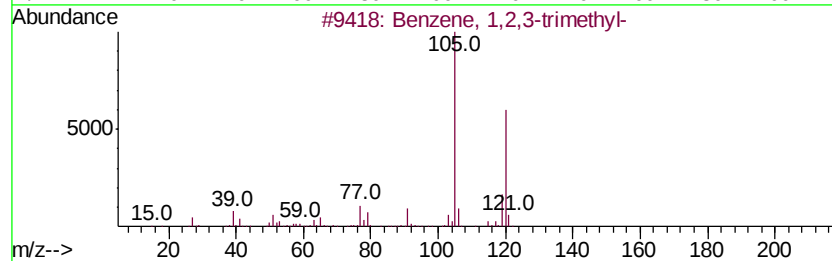
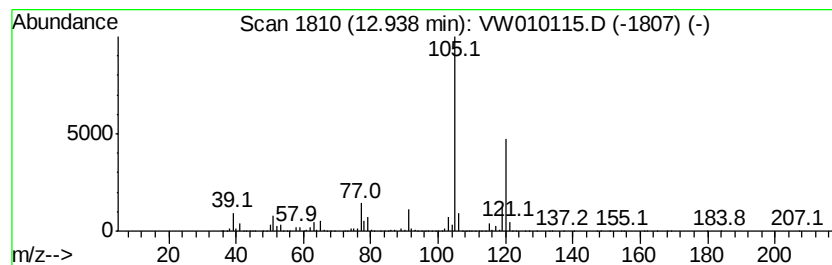
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Quant Title : VOC Analysis

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

Peak Number 6 Benzene, 1,2,3-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	11.88 ug/L	8945660	1,4-Dichlorobenzene-d4	13.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2		Mesitylene	120	C9H12	000108-67-8	97
3		Mesitylene	120	C9H12	000108-67-8	97
4		Mesitylene	120	C9H12	000108-67-8	95
5		Mesitylene	120	C9H12	000108-67-8	95



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010115.D
Acq On : 24 Apr 2019 16:18
Operator : SY/VA
Sample : K2456-02RE
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHQ2RE

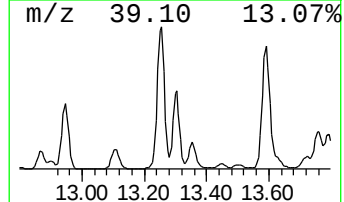
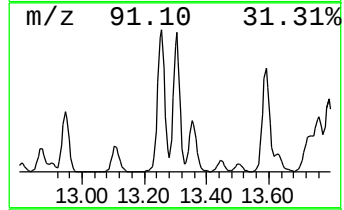
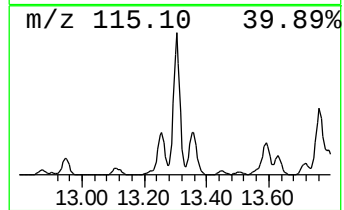
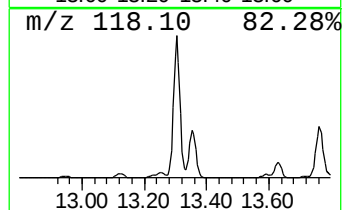
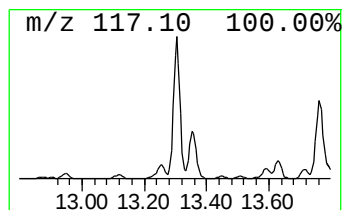
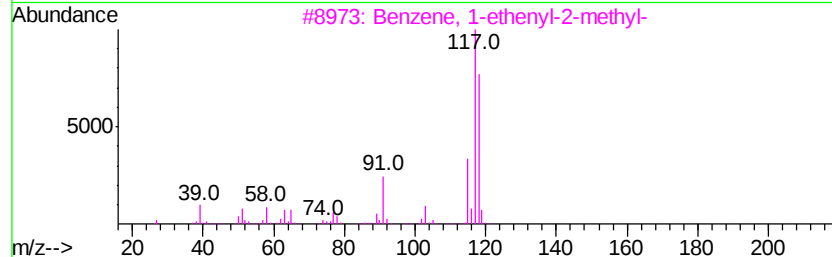
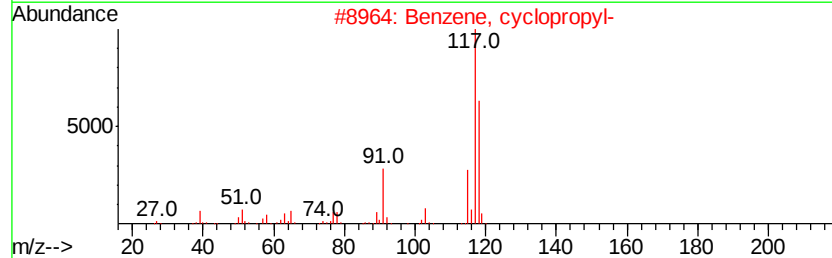
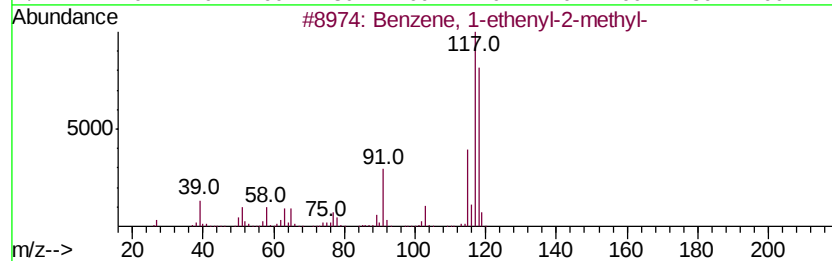
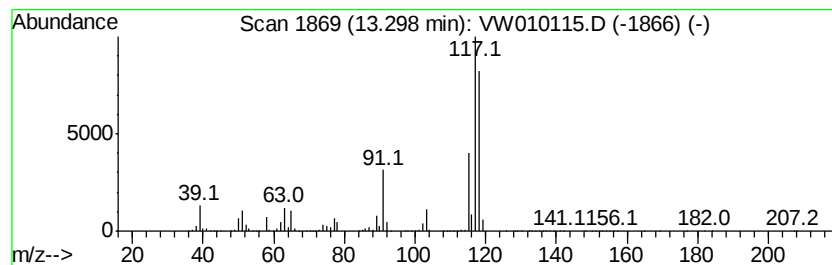
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Quant Title : VOC Analysis

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

Peak Number 9 Benzene, 1-ethenyl-2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	12.76 ug/L	9610070	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
2		Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
3		Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	93
4		(Z)-1-Phenylpropene	118	C9H10	000766-90-5	90
5		Benzene, 2-propenyl-	118	C9H10	000300-57-2	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010115.D
Acq On : 24 Apr 2019 16:18
Operator : SY/VA
Sample : K2456-02RE
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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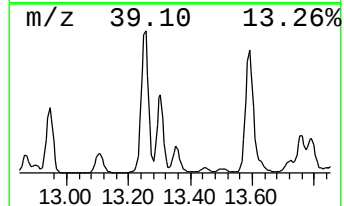
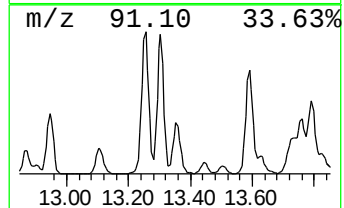
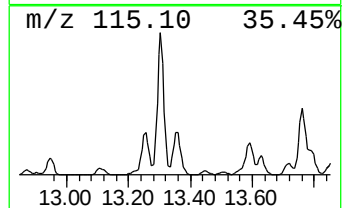
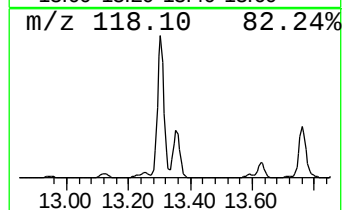
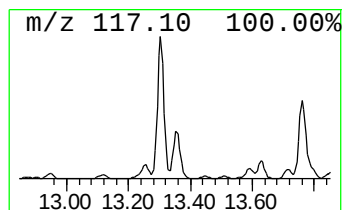
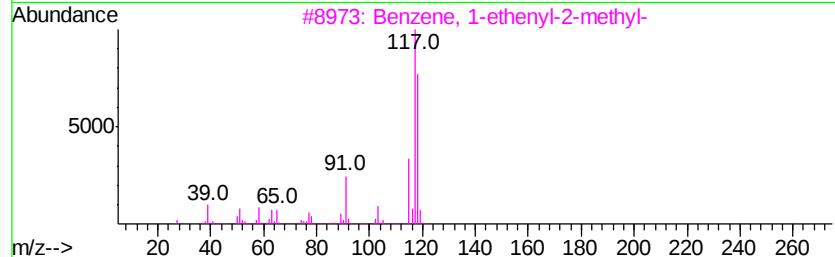
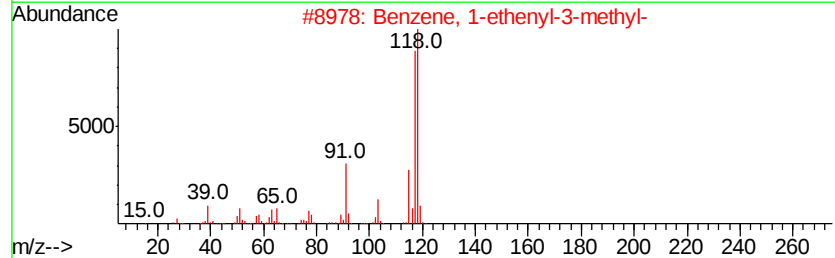
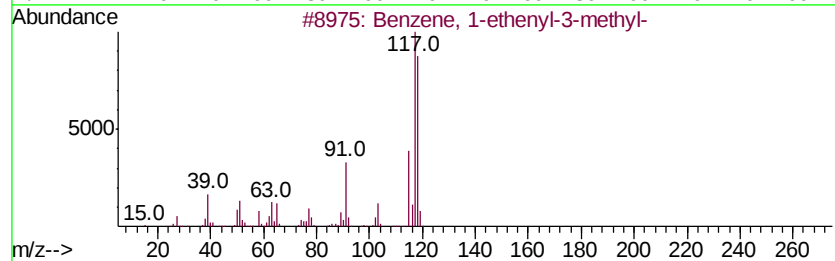
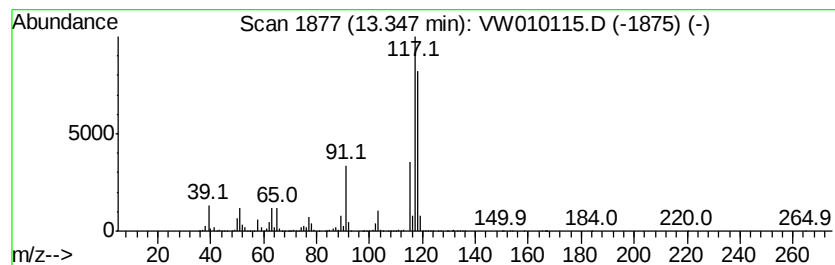
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Quant Title : VOC Analysis

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

Peak Number 10 Benzene, 1-ethenyl-3-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	4.55 ug/L	3424450	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
2		Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
3		Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
4		Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	94
5		Benzene, cyclopropyl-	118	C9H10	000873-49-4	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010115.D
Acq On : 24 Apr 2019 16:18
Operator : SY/VA
Sample : K2456-02RE
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHQ2RE

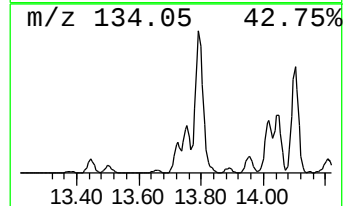
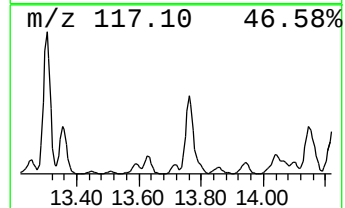
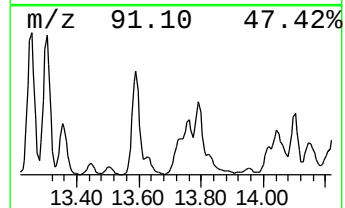
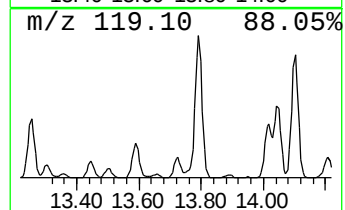
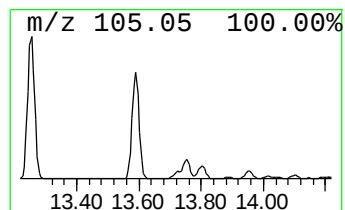
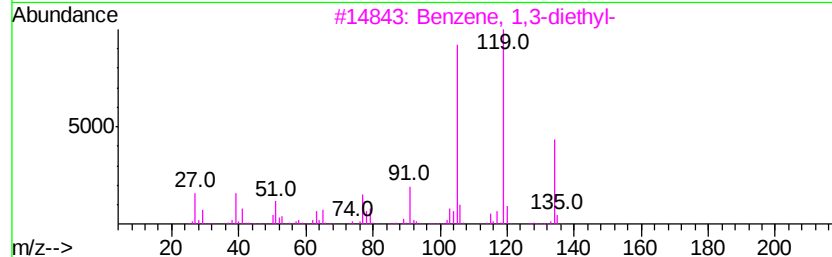
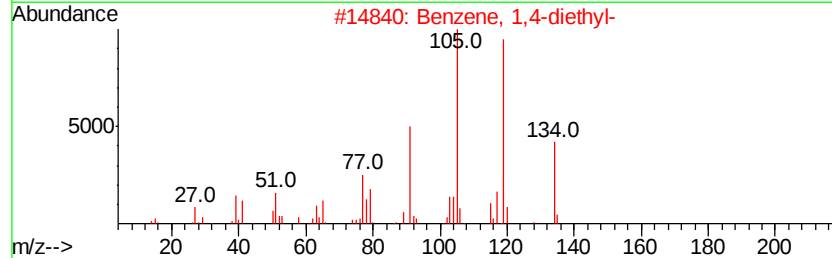
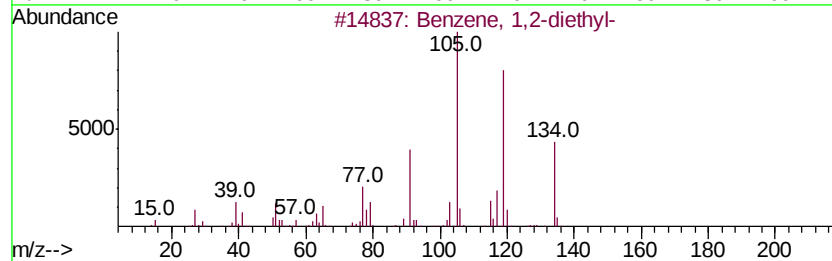
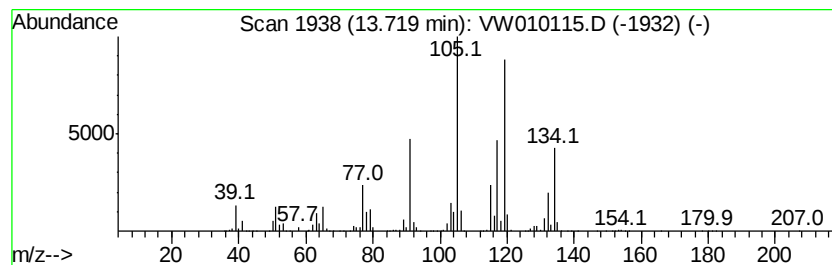
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Quant Title : VOC Analysis

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

Peak Number 11 Benzene, 1,2-diethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	2.76 ug/L	2077030	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
2		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
3		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	87
4		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	87
5		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010115.D
Acq On : 24 Apr 2019 16:18
Operator : SY/VA
Sample : K2456-02RE
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

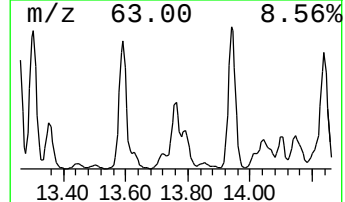
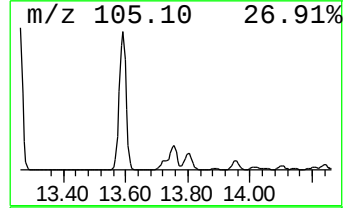
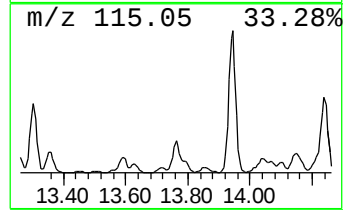
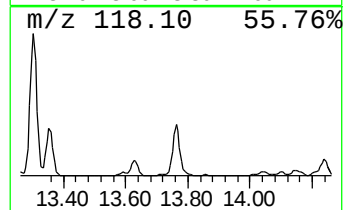
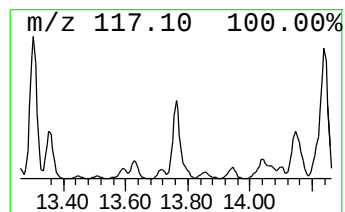
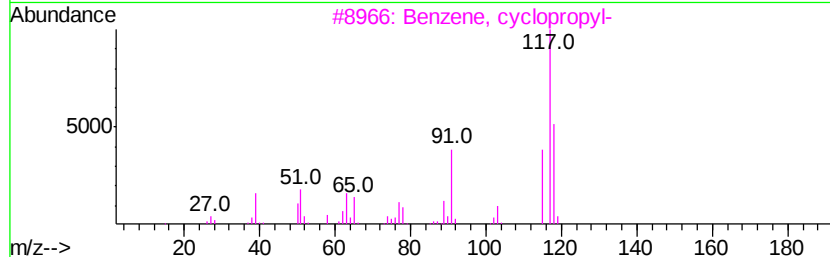
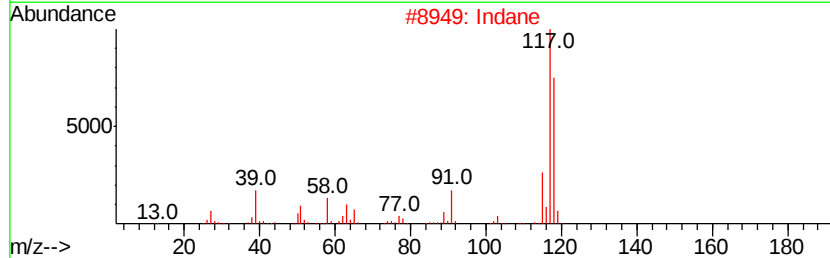
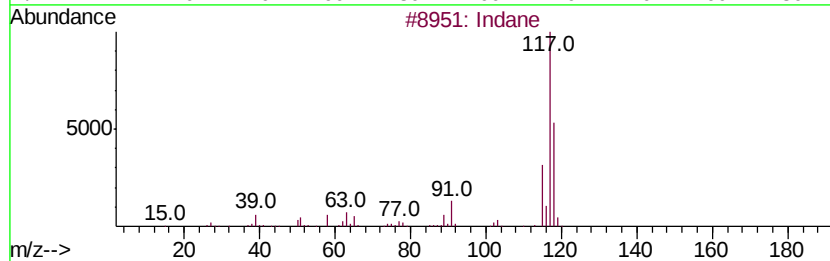
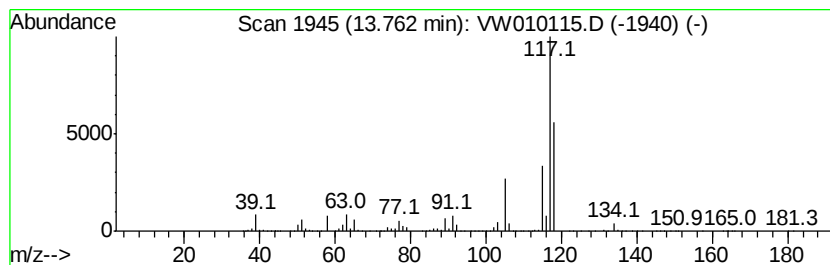
Instrument :
MSVOA_W
ClientSampleId :
GAHQ2RE

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 12 Indane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	7.30 ug/L	5494730	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Indane		118 C9H10	000496-11-7 62
2	Indane		118 C9H10	000496-11-7 58
3	Benzene, cvcloppropyl-		118 C9H10	000873-49-4 58
4	Indane		118 C9H10	000496-11-7 50
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-		118 C9H10	1000191-13-7 50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010115.D
Acq On : 24 Apr 2019 16:18
Operator : SY/VA
Sample : K2456-02RE
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHQ2RE

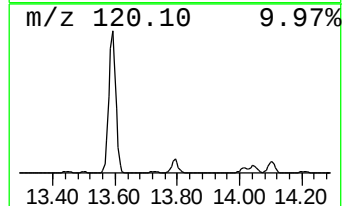
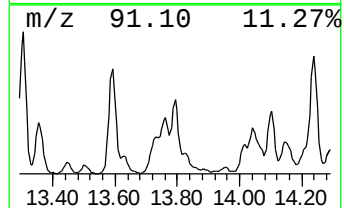
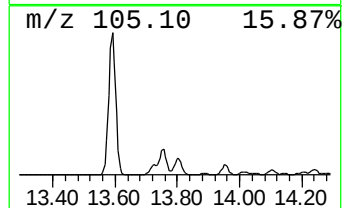
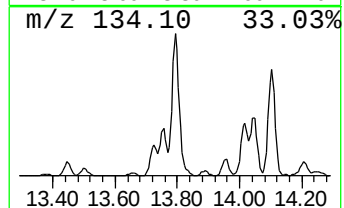
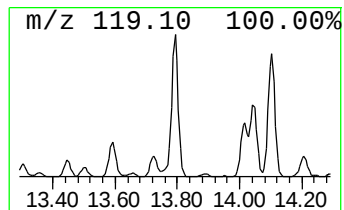
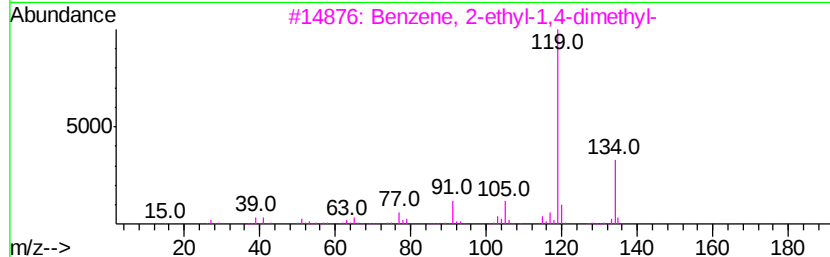
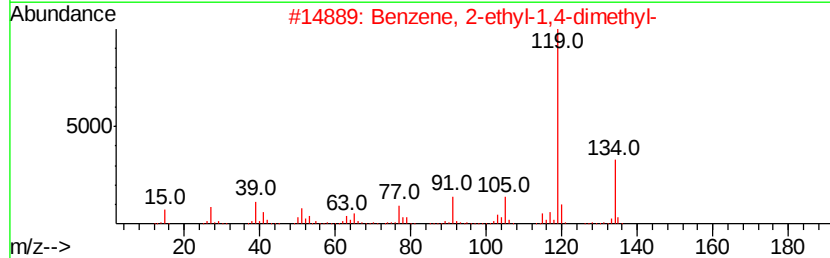
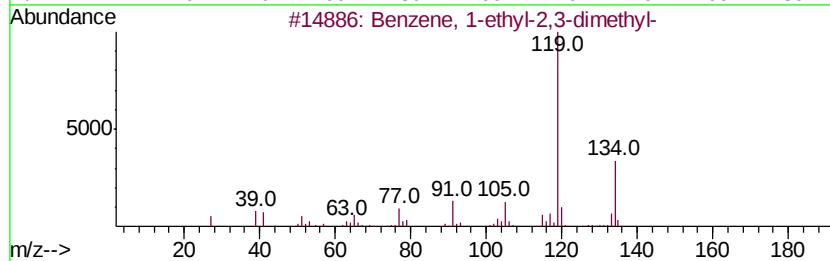
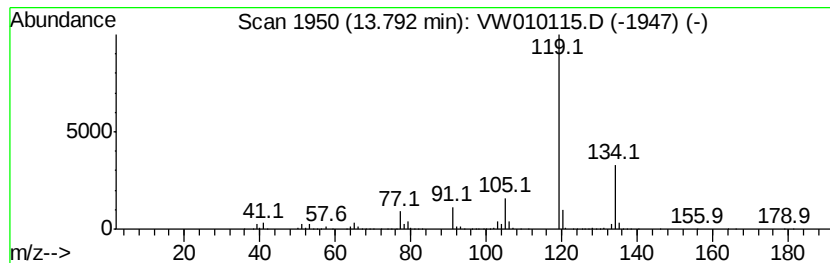
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Quant Title : VOC Analysis

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

Peak Number 13 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	8.14 ug/L	6127110	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
3		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
5		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010115.D
Acq On : 24 Apr 2019 16:18
Operator : SY/VA
Sample : K2456-02RE
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHQ2RE

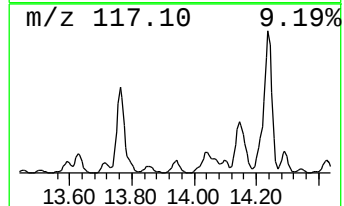
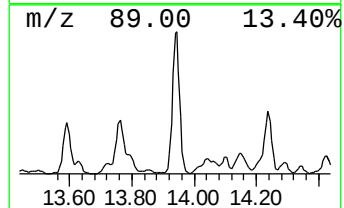
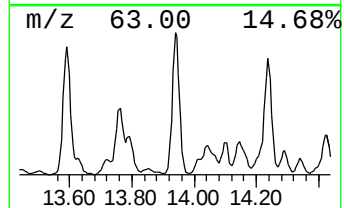
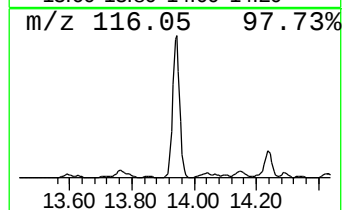
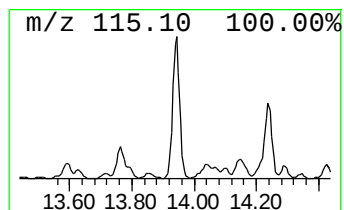
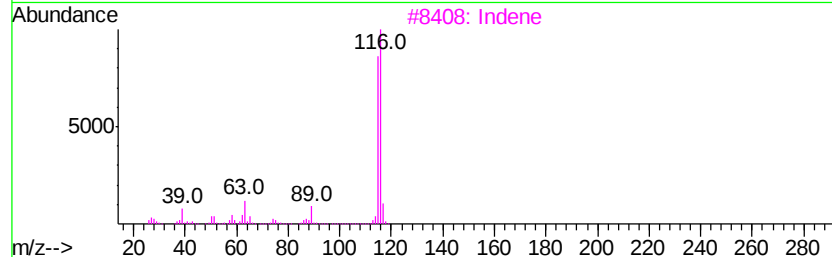
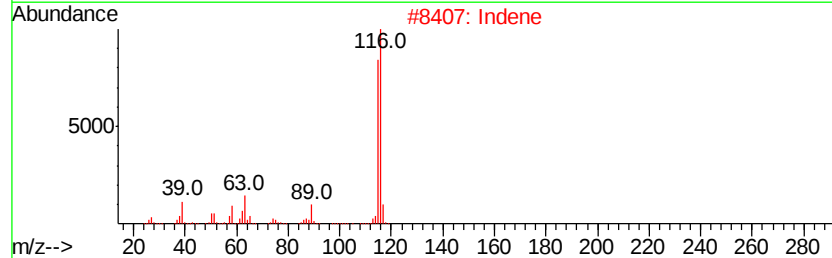
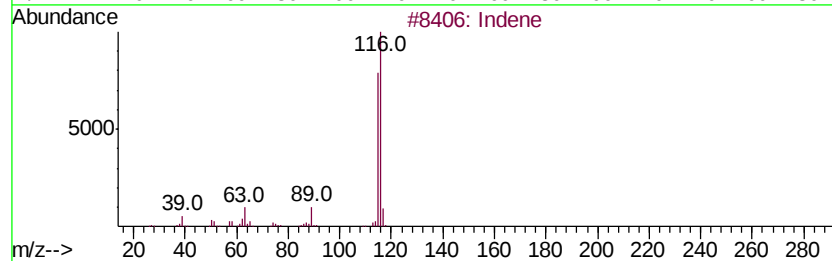
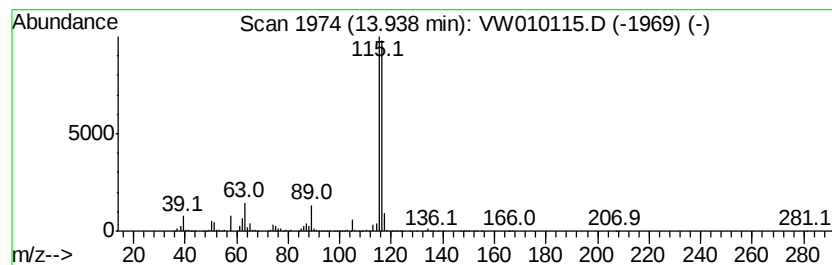
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Quant Title : VOC Analysis

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

Peak Number 14 Indene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	9.93 ug/L	7479740	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indene	116	C9H8	000095-13-6	97
2		Indene	116	C9H8	000095-13-6	96
3		Indene	116	C9H8	000095-13-6	95
4		Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5		3-Methylphenylacetylene	116	C9H8	000766-82-5	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010115.D
Acq On : 24 Apr 2019 16:18
Operator : SY/VA
Sample : K2456-02RE
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHQ2RE

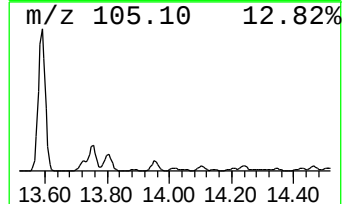
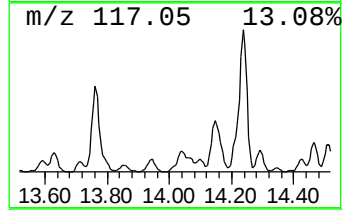
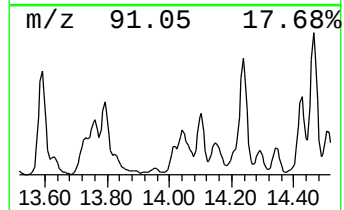
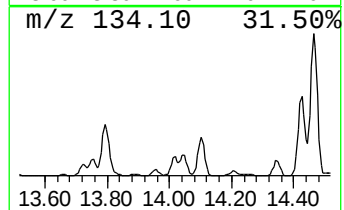
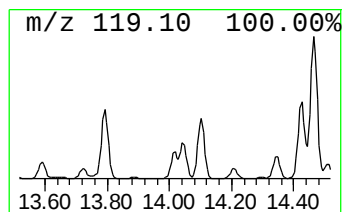
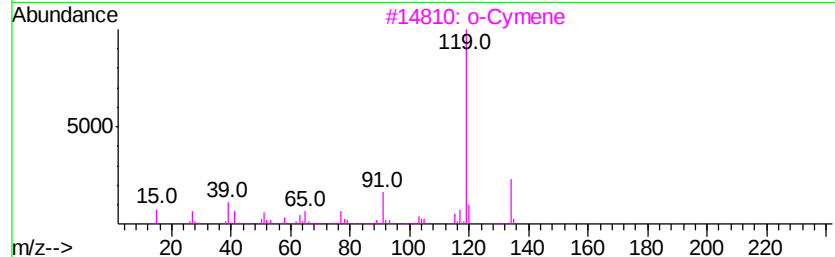
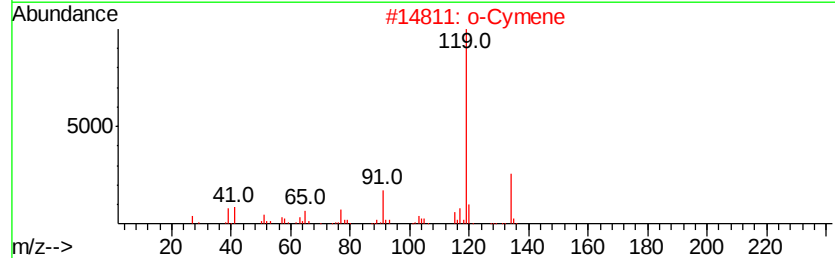
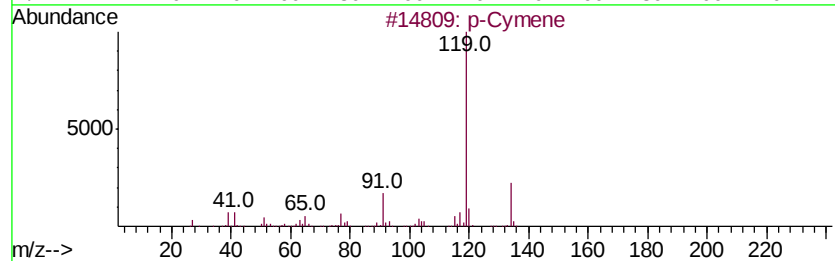
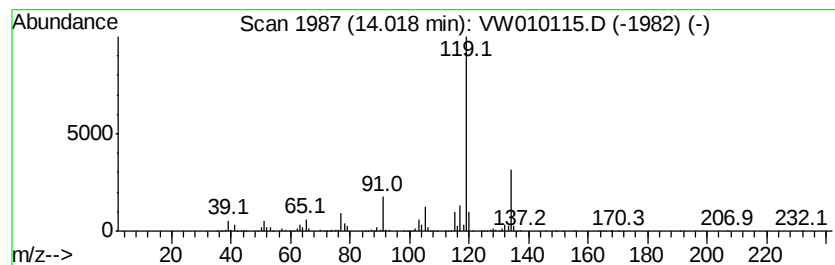
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Quant Title : VOC Analysis

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

Peak Number 15 p-Cymene Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	2.68 ug/L	2015230	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	p-Cymene	134	C10H14	000099-87-6	95
2		o-Cymene	134	C10H14	000527-84-4	95
3		o-Cymene	134	C10H14	000527-84-4	95
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
5		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010115.D
Acq On : 24 Apr 2019 16:18
Operator : SY/VA
Sample : K2456-02RE
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

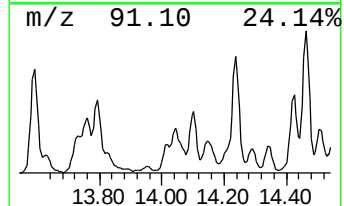
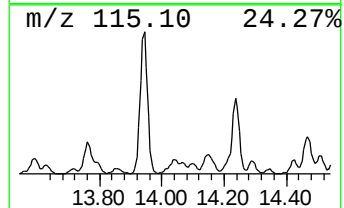
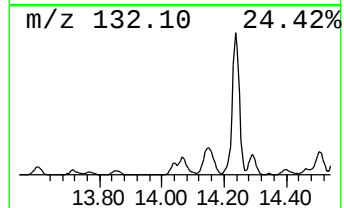
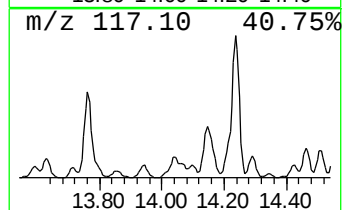
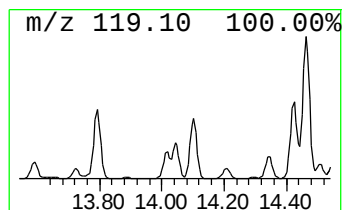
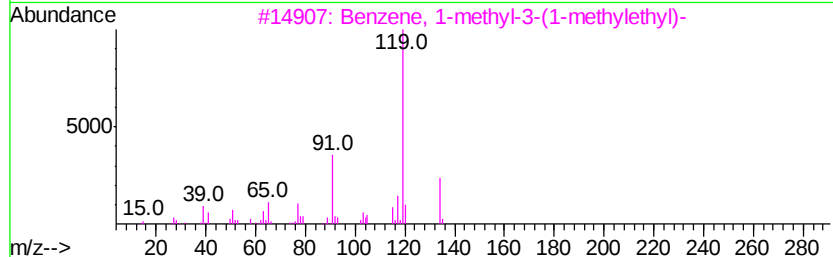
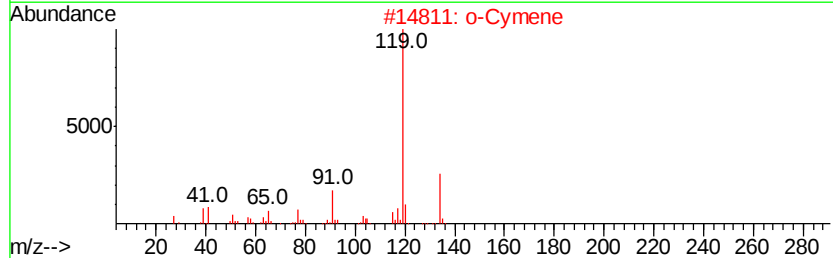
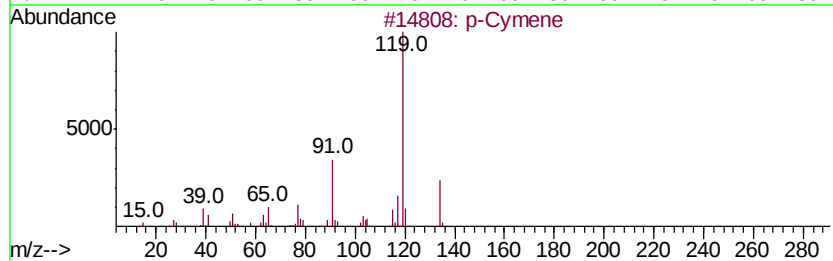
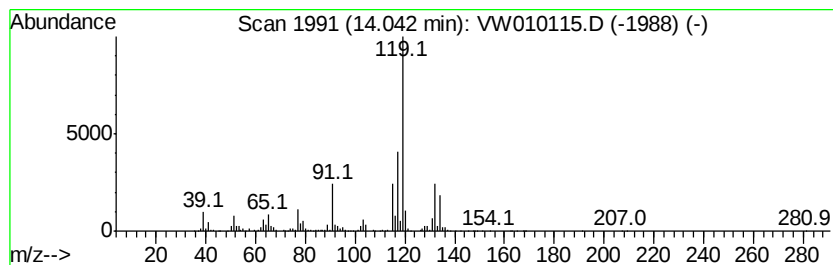
Instrument :
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ClientSampleId :
GAHQ2RE

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 16 o-Cymene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.04	6.45 ug/L	4860180	1,4-Dichlorobenzene-d4	13.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	60
2	o-Cymene	134	C10H14	000527-84-4	60
3	Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	60
4	o-Cymene	134	C10H14	000527-84-4	60
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	55



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010115.D
Acq On : 24 Apr 2019 16:18
Operator : SY/VA
Sample : K2456-02RE
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHQ2RE

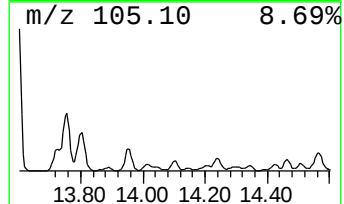
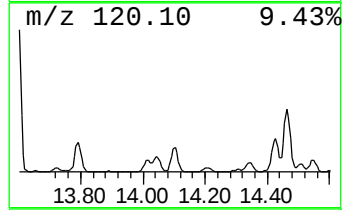
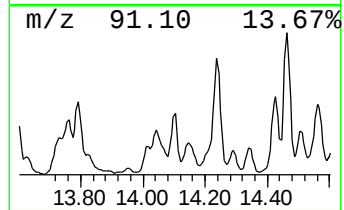
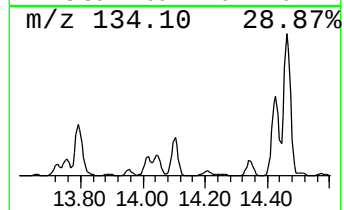
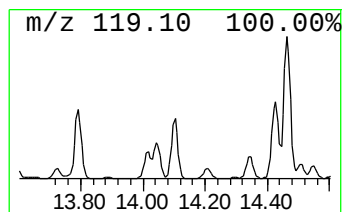
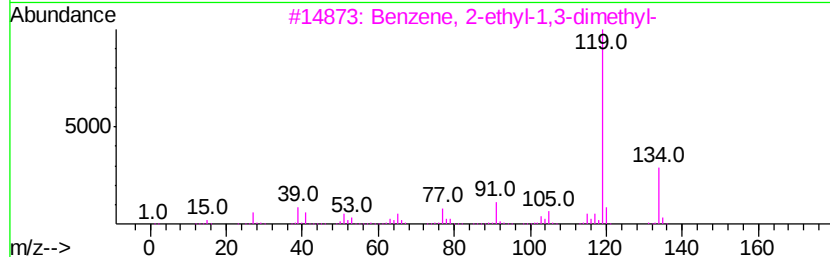
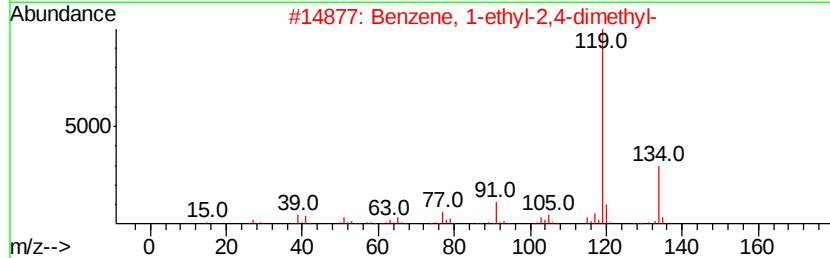
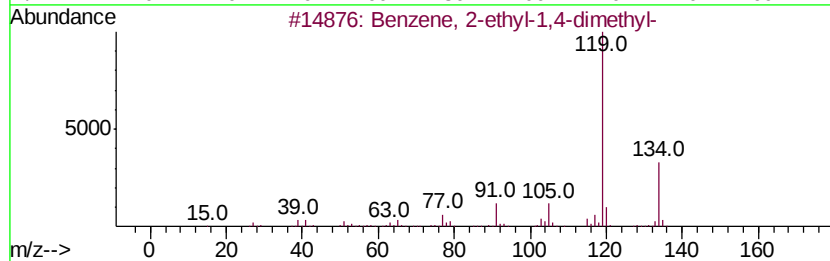
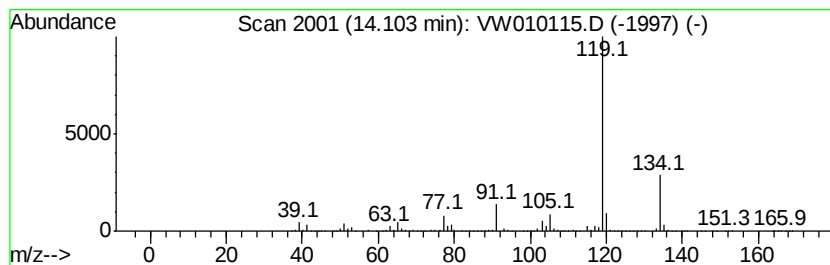
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Quant Title : VOC Analysis

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

Peak Number 17 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	6.35 ug/L	4781150	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
2		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
3		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91
4		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91
5		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010115.D
Acq On : 24 Apr 2019 16:18
Operator : SY/VA
Sample : K2456-02RE
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHQ2RE

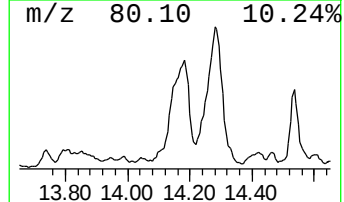
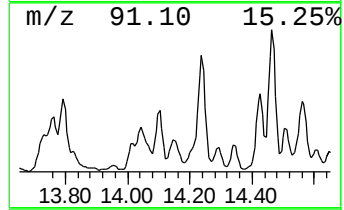
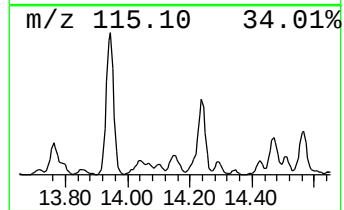
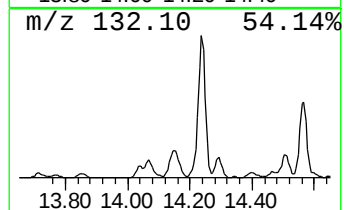
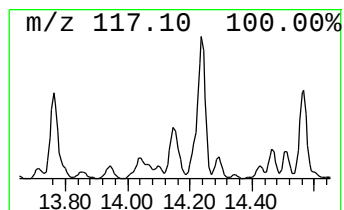
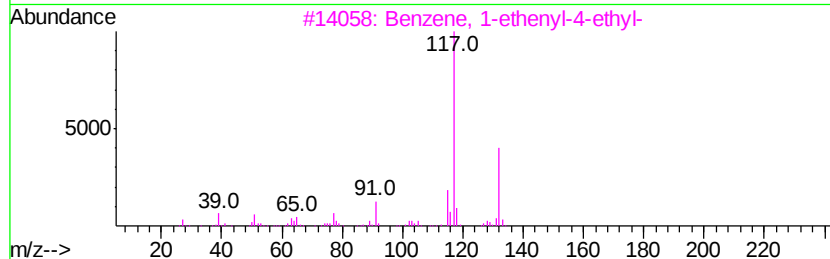
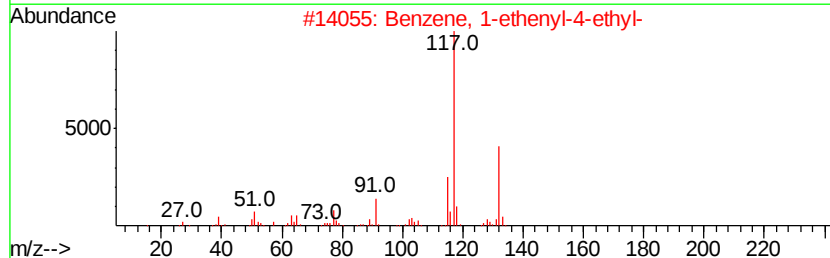
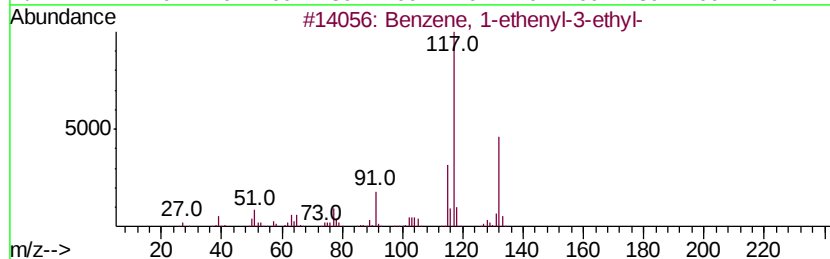
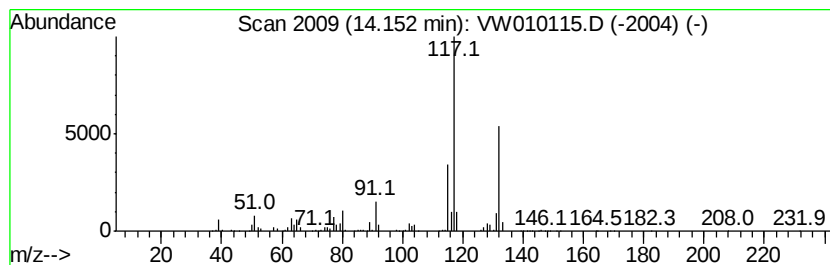
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Quant Title : VOC Analysis

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

Peak Number 18 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.15	4.86 ug/L	3656110	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	95
2		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	91
3		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	90
4		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
5		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010115.D
Acq On : 24 Apr 2019 16:18
Operator : SY/VA
Sample : K2456-02RE
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

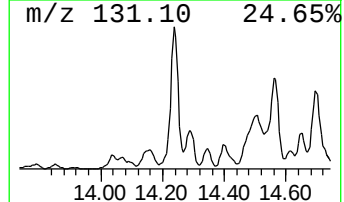
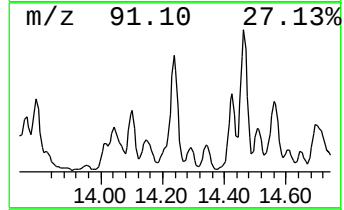
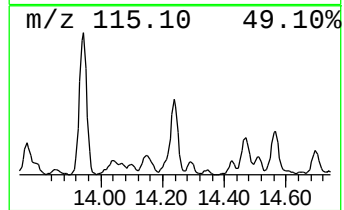
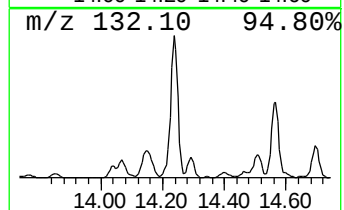
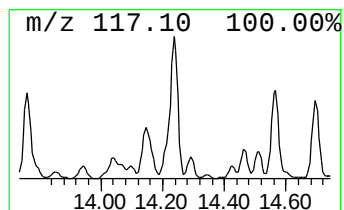
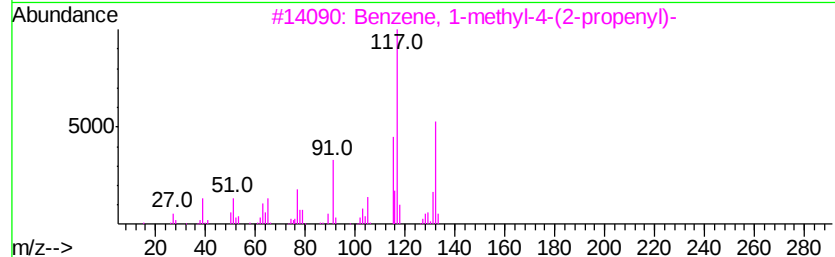
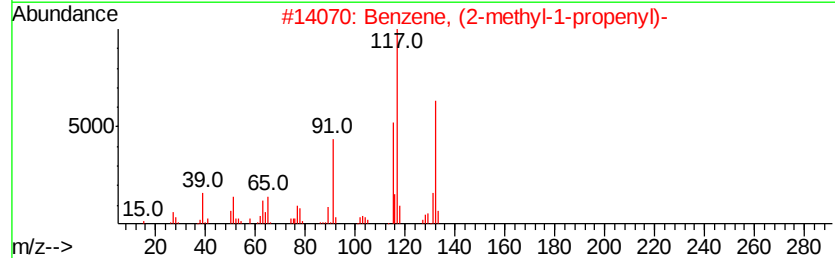
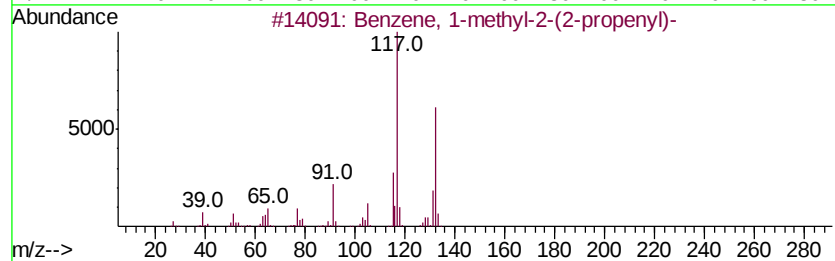
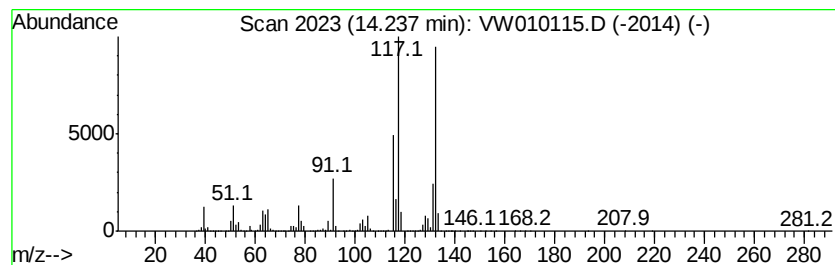
Instrument :
MSVOA_W
ClientSampleId :
GAHQ2RE

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 19 Benzene, 1-methyl-2-(2-prop... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.24	17.50 ug/L	13173600	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Benzene, 1-methyl-2-(2-propenyl)-	132 C10H12	001587-04-8	95
2	Benzene, (2-methyl-1-propenyl)-	132 C10H12	000768-49-0	95
3	Benzene, 1-methyl-4-(2-propenyl)-	132 C10H12	003333-13-9	94
4	Benzene, (1-methyl-1-propenyl)-,...	132 C10H12	000768-00-3	94
5	Benzene, 1-methyl-4-(1-methyleth...	132 C10H12	001195-32-0	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010115.D
Acq On : 24 Apr 2019 16:18
Operator : SY/VA
Sample : K2456-02RE
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHQ2RE

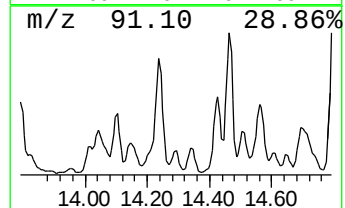
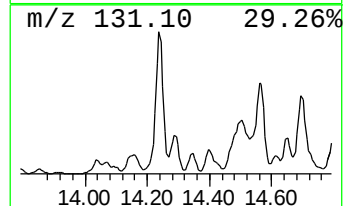
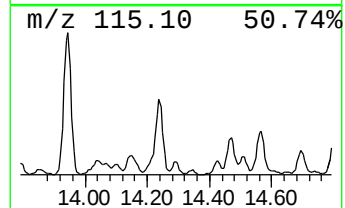
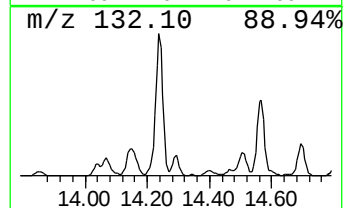
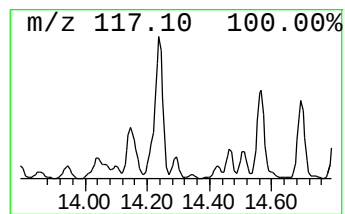
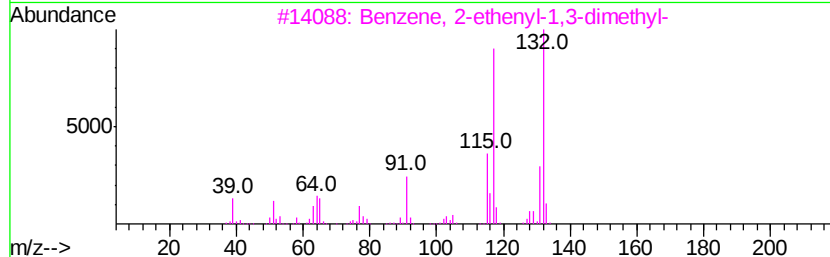
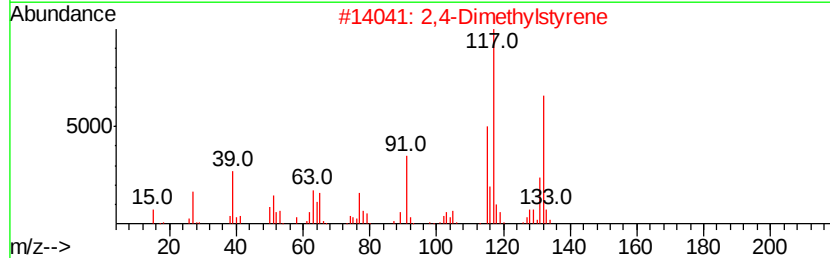
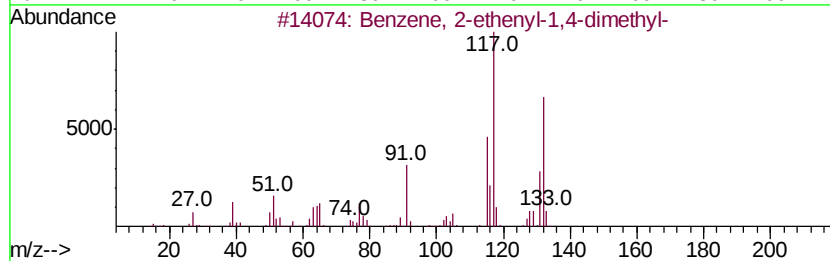
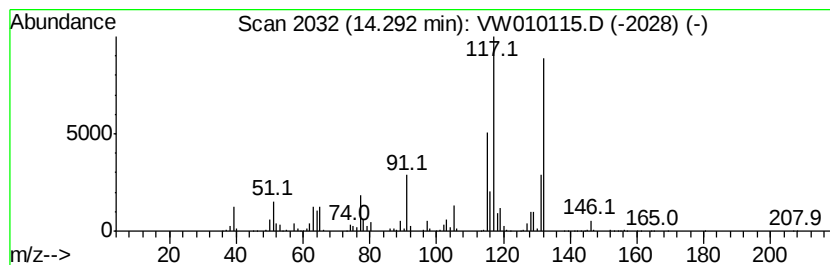
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Quant Title : VOC Analysis

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

Peak Number 20 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	2.68 ug/L	2018990	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2			2,4-Dimethylstyrene	132	C10H12	002234-20-0	95
3			Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	93
4			Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	93
5			Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010115.D
Acq On : 24 Apr 2019 16:18
Operator : SY/VA
Sample : K2456-02RE
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHQ2RE

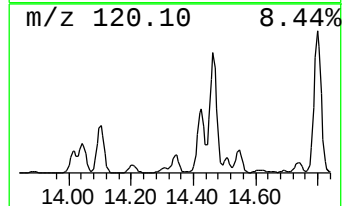
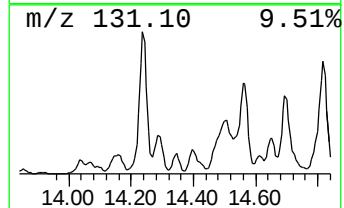
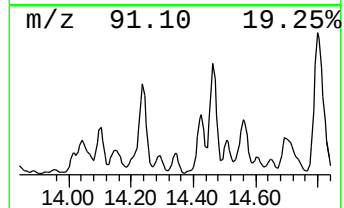
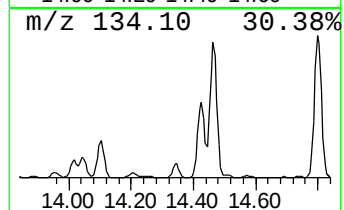
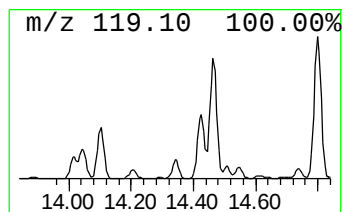
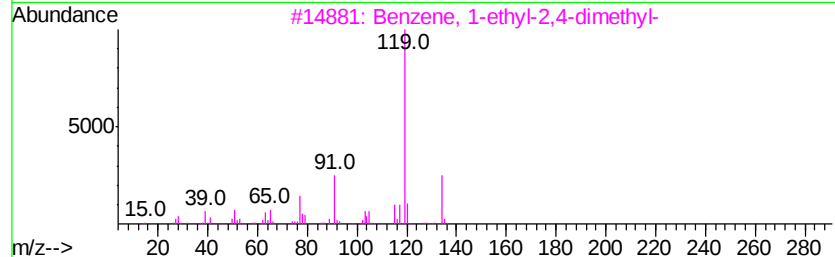
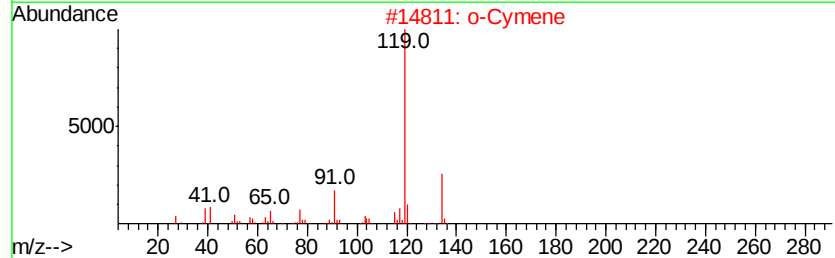
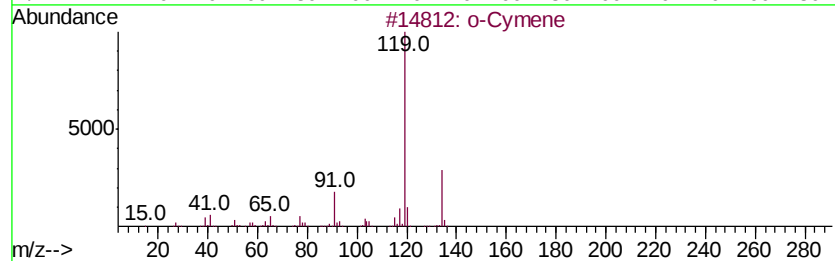
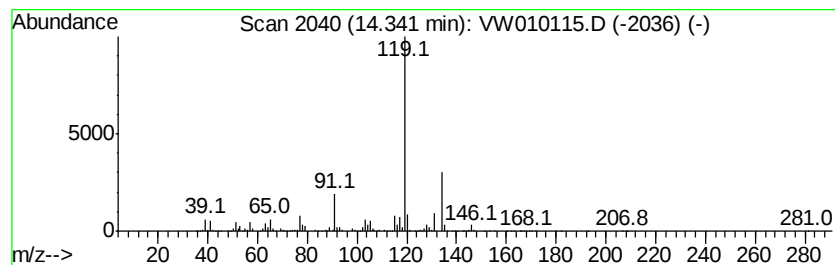
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Quant Title : VOC Analysis

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

Peak Number 21 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	2.47 ug/L	1860230	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	94
2		o-Cymene	134	C10H14	000527-84-4	94
3		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
4		1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	93
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010115.D
Acq On : 24 Apr 2019 16:18
Operator : SY/VA
Sample : K2456-02RE
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHQ2RE

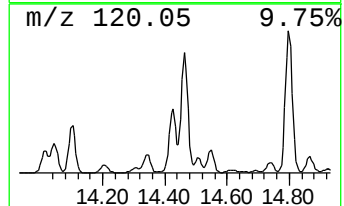
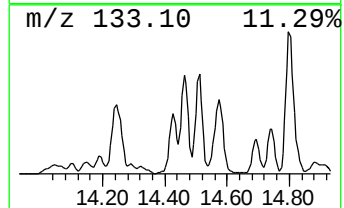
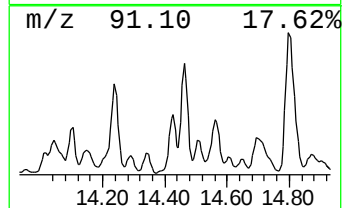
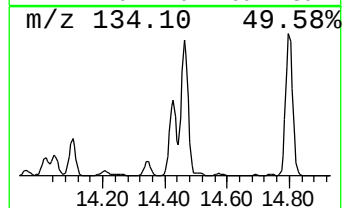
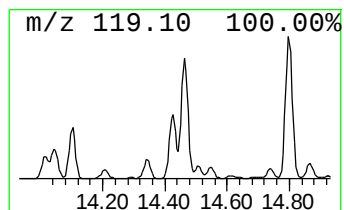
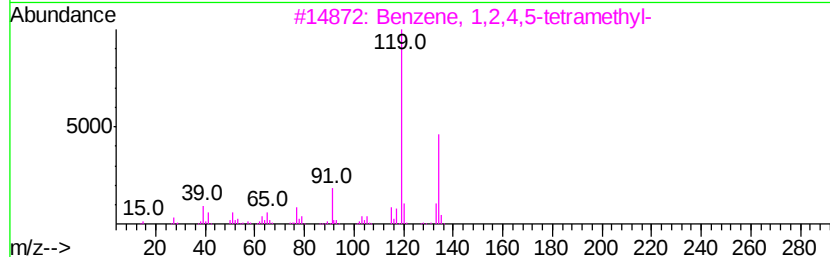
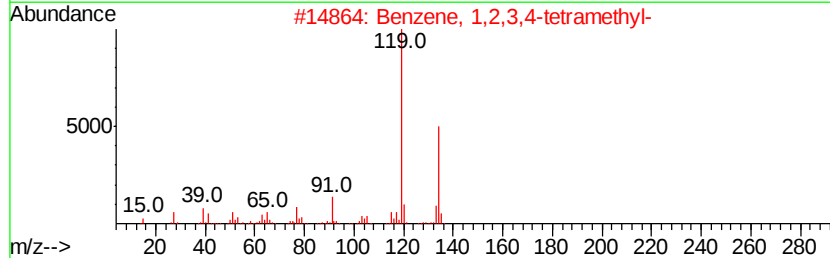
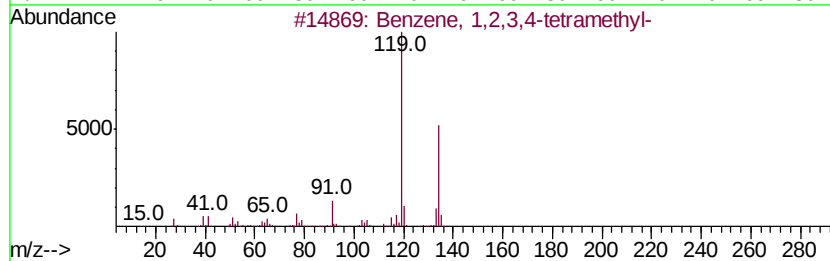
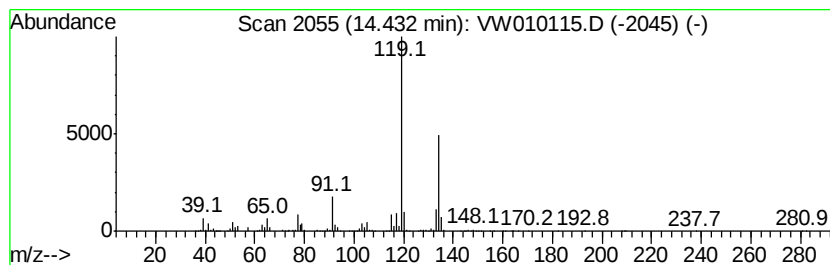
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Quant Title : VOC Analysis

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

Peak Number 22 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	10.93 ug/L	8231240	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
3		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
4		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
5		1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	95



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010115.D
Acq On : 24 Apr 2019 16:18
Operator : SY/VA
Sample : K2456-02RE
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHQ2RE

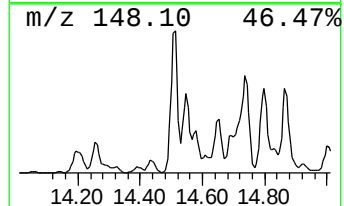
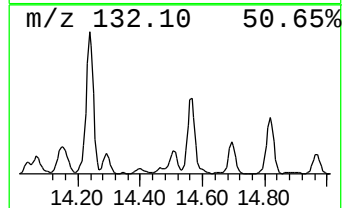
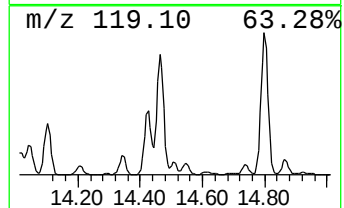
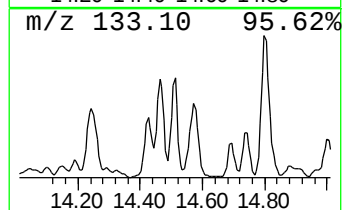
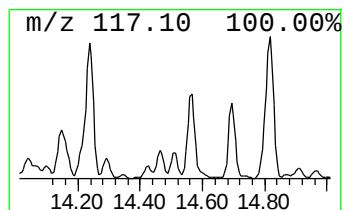
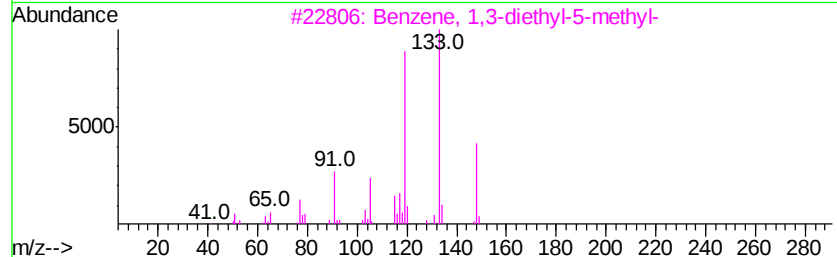
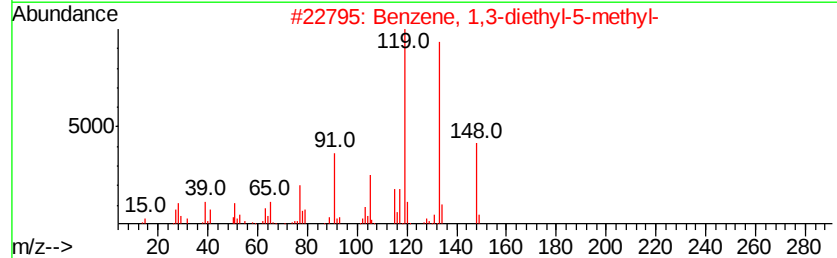
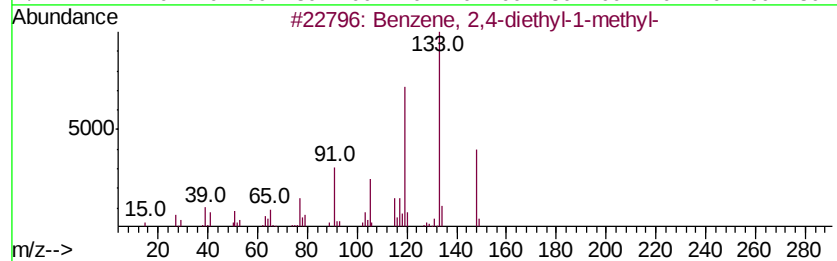
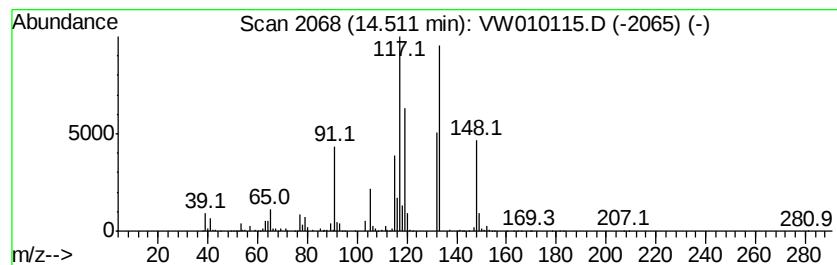
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Quant Title : VOC Analysis

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

Peak Number 24 Benzene, 2,4-diethyl-1-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	4.19 ug/L	3153200	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	60
2		Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	60
3		Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	60
4		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	46
5		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010115.D
Acq On : 24 Apr 2019 16:18
Operator : SY/VA
Sample : K2456-02RE
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHQ2RE

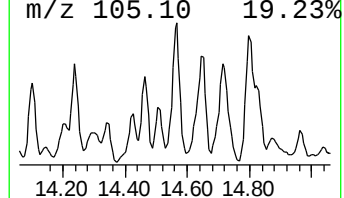
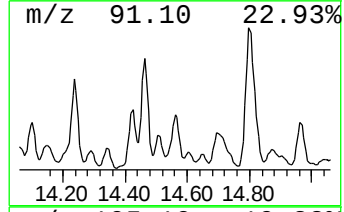
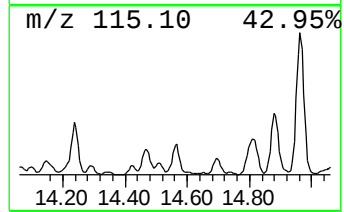
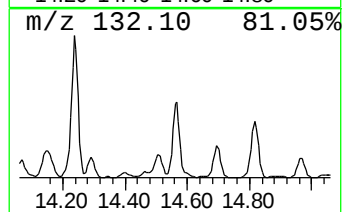
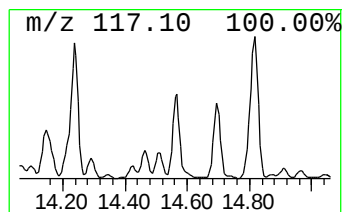
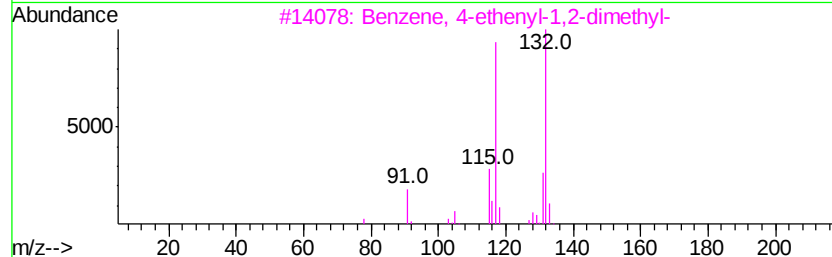
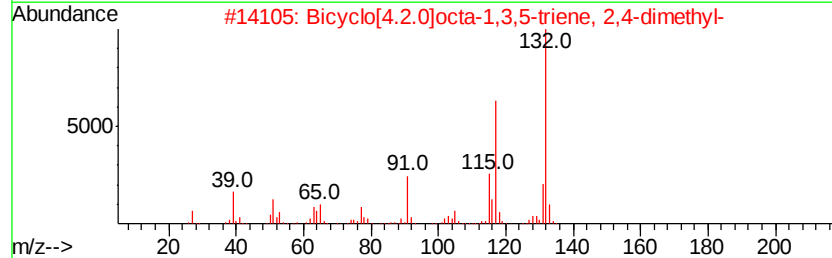
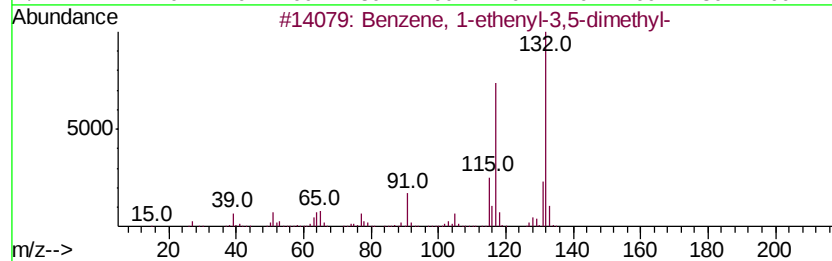
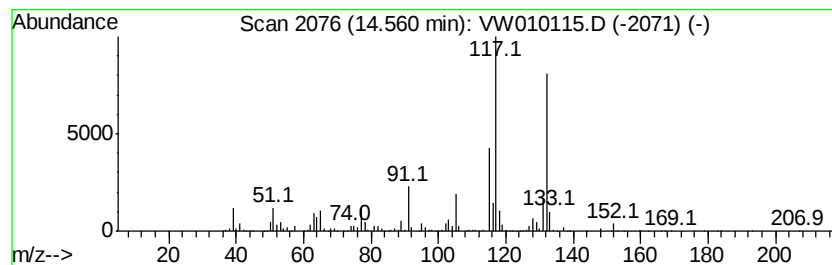
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Quant Title : VOC Analysis

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

Peak Number 25 Benzene, 1-ethenyl-3,5-dime... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	10.36 ug/L	7799250	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	95
2		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	95
3		Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	94
4		(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	93
5		Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010115.D
Acq On : 24 Apr 2019 16:18
Operator : SY/VA
Sample : K2456-02RE
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHQ2RE

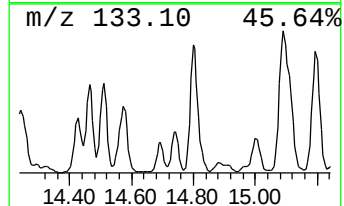
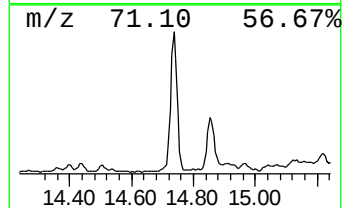
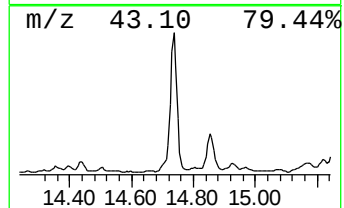
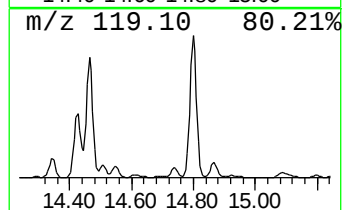
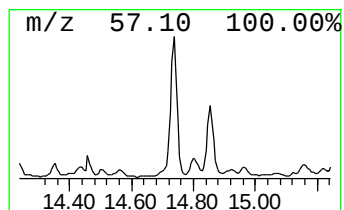
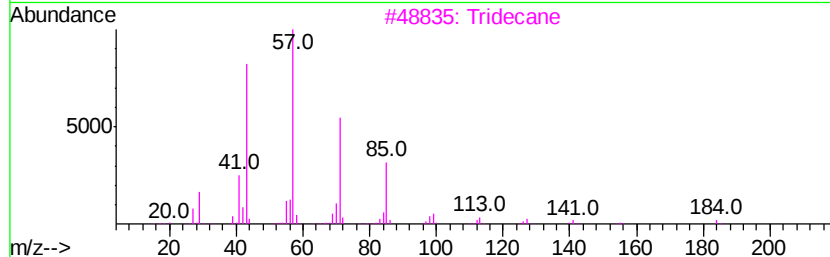
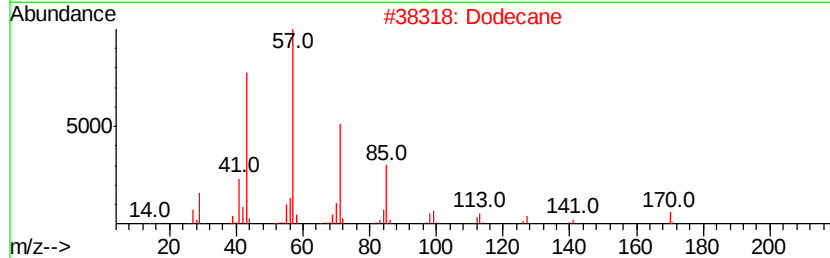
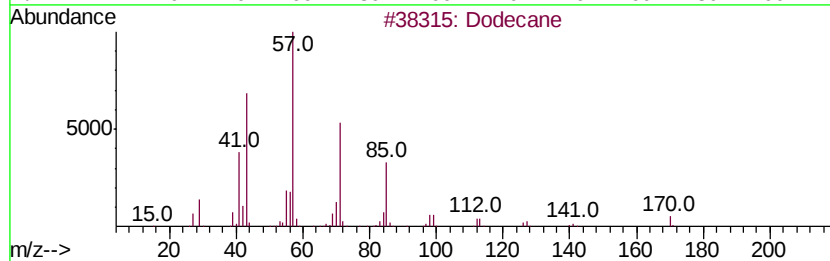
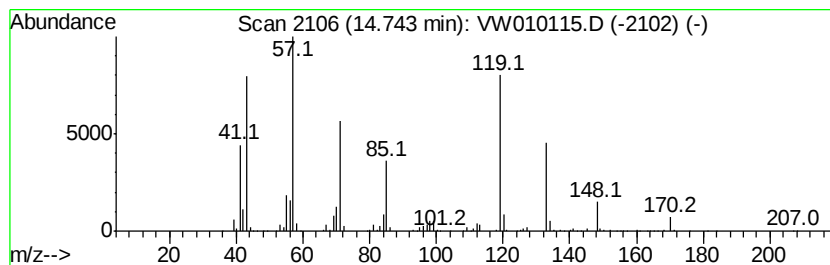
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Quant Title : VOC Analysis

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

Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	4.30 ug/L	3239320	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane	170	C12H26	000112-40-3	95
2		Dodecane	170	C12H26	000112-40-3	50
3		Tridecane	184	C13H28	000629-50-5	43
4		Tetradecane	198	C14H30	000629-59-4	43
5		Decane, 2-methyl-	156	C11H24	006975-98-0	41



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010115.D
Acq On : 24 Apr 2019 16:18
Operator : SY/VA
Sample : K2456-02RE
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHQ2RE

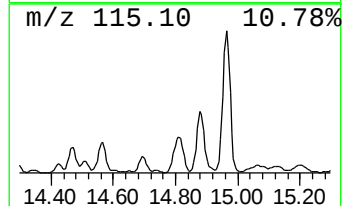
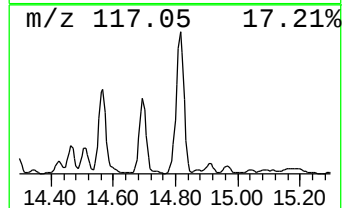
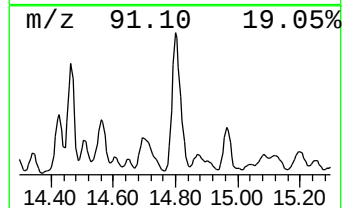
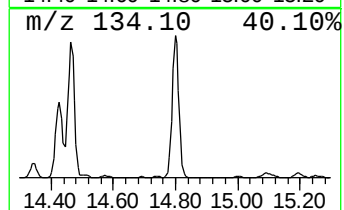
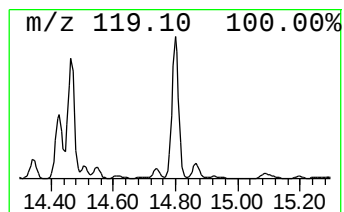
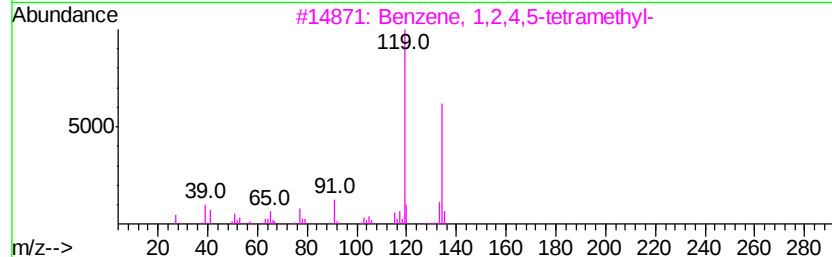
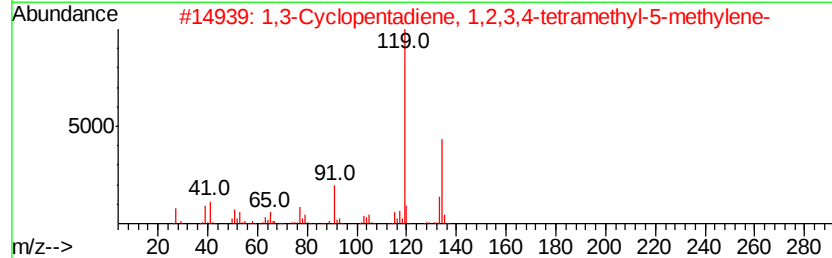
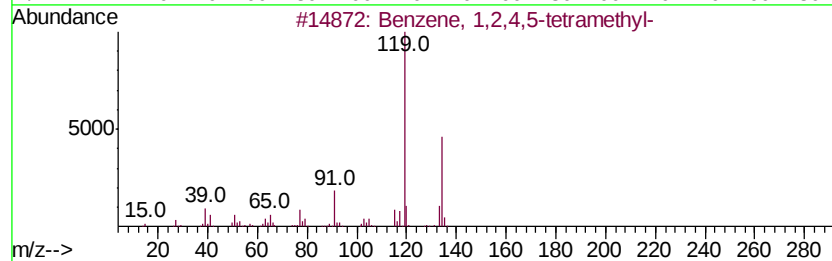
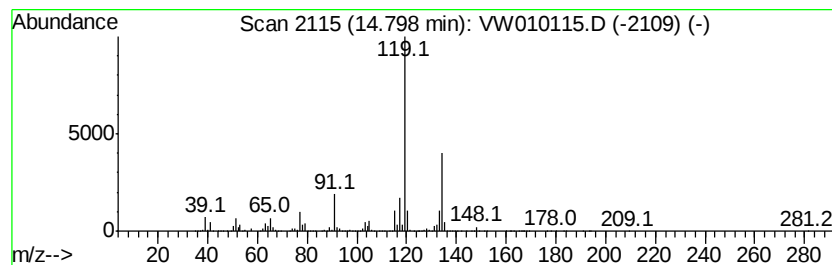
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Quant Title : VOC Analysis

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

Peak Number 28 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	30.58 ug/L	23023500	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
2		1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	87
3		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	87
4		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87
5		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010115.D
Acq On : 24 Apr 2019 16:18
Operator : SY/VA
Sample : K2456-02RE
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHQ2RE

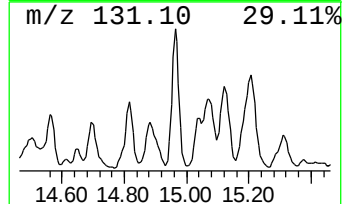
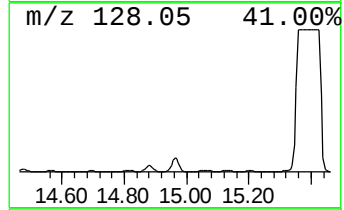
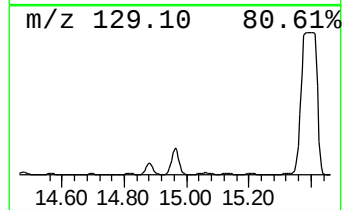
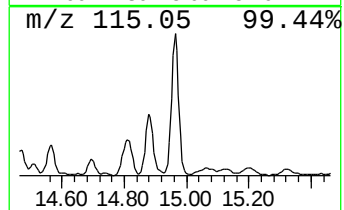
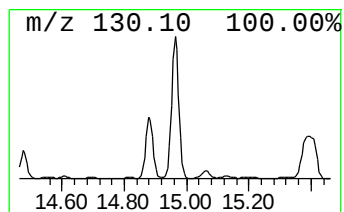
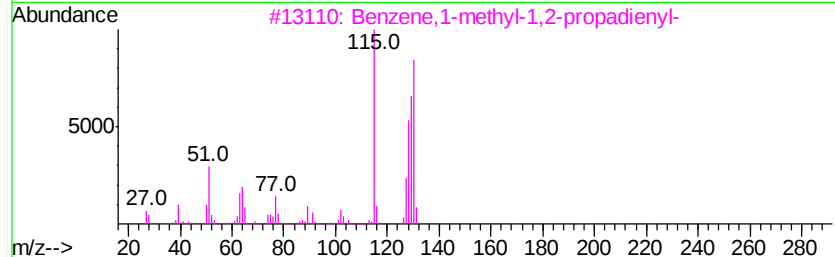
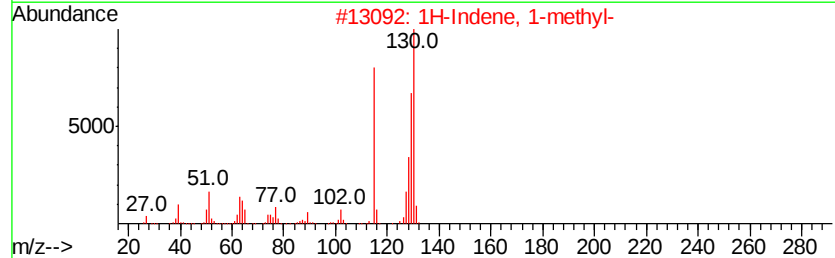
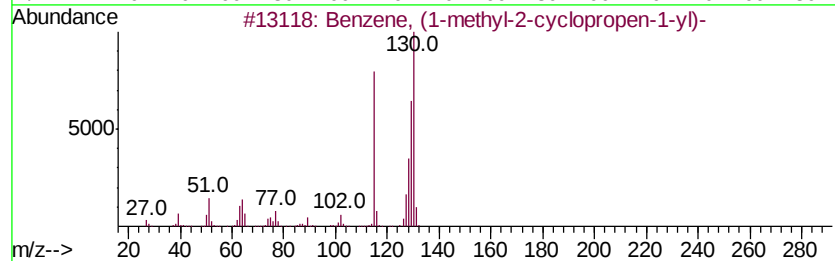
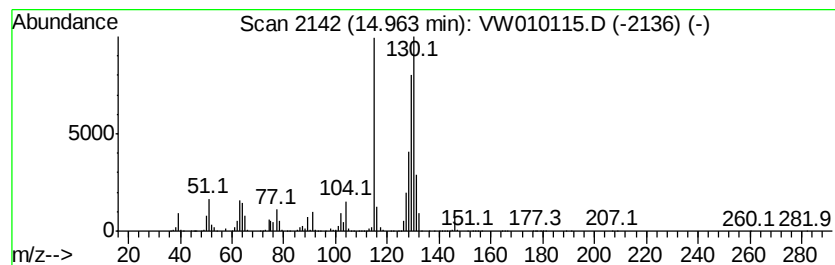
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Quant Title : VOC Analysis

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

Peak Number 30 Benzene, (1-methyl-2-cyclop... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	25.19 ug/L	18967200	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	96
2		1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
3		Benzene, 1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	94
4		2-Methylindene	130	C10H10	002177-47-1	94
5		1H-Indene, 1-methyl-	130	C10H10	000767-59-9	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010115.D
Acq On : 24 Apr 2019 16:18
Operator : SY/VA
Sample : K2456-02RE
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHQ2RE

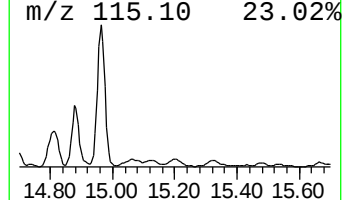
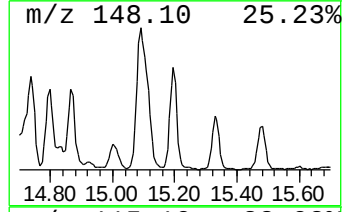
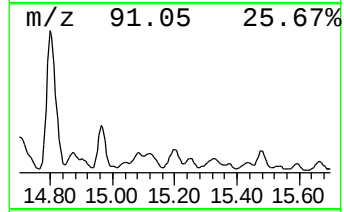
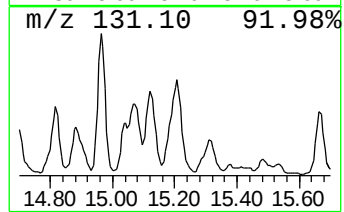
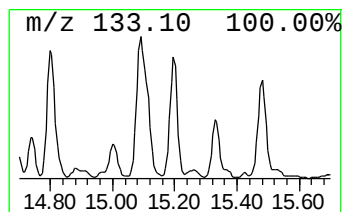
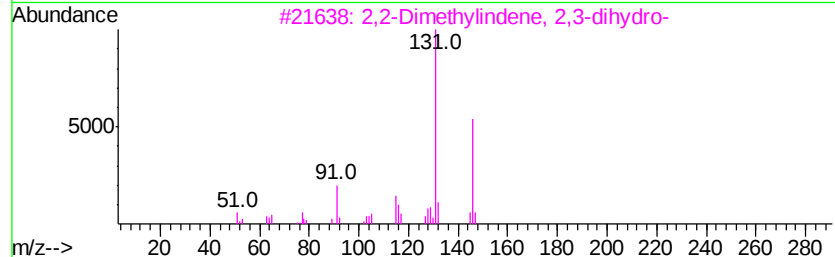
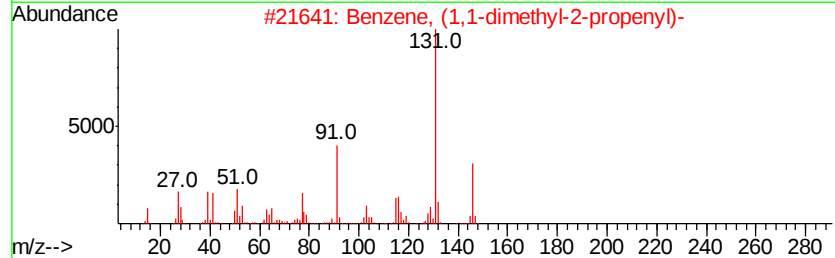
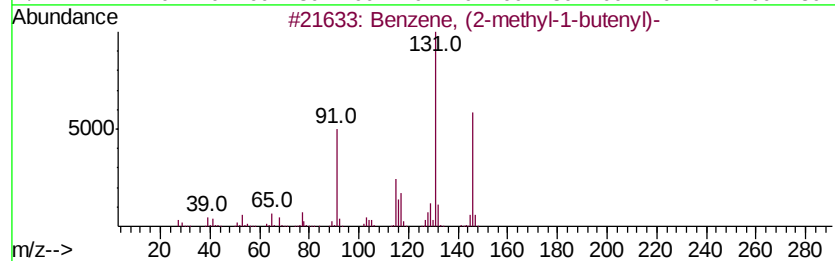
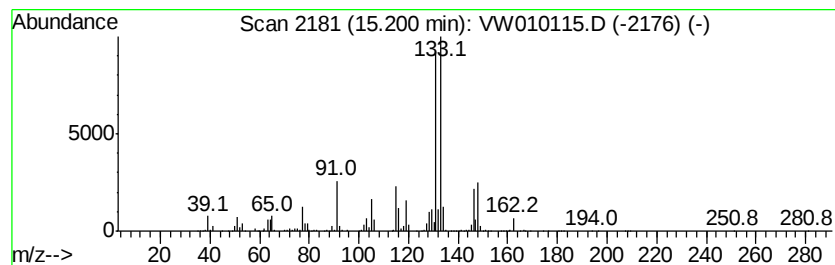
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Quant Title : VOC Analysis

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

Peak Number 31 Benzene, (2-methyl-1-butenyl)- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	4.02 ug/L	3023580	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	86
2		Benzene, (1,1-dimethyl-2-propenyl)-	146	C11H14	018321-36-3	50
3		2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	50
4		1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	50
5		1,3-Cyclopentadiene, 5-(trans-2-...	146	C11H14	079209-36-2	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010115.D
Acq On : 24 Apr 2019 16:18
Operator : SY/VA
Sample : K2456-02RE
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHQ2RE

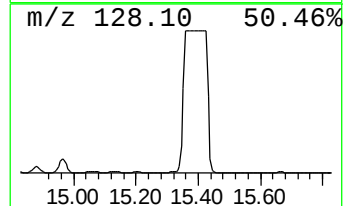
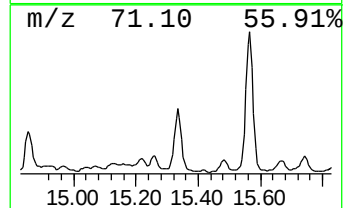
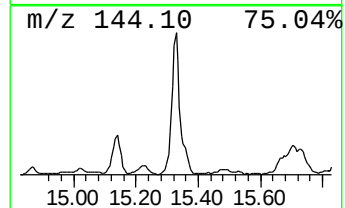
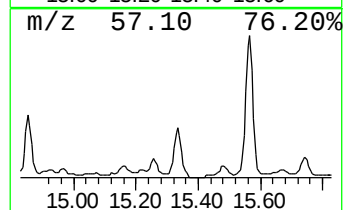
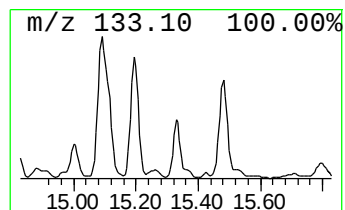
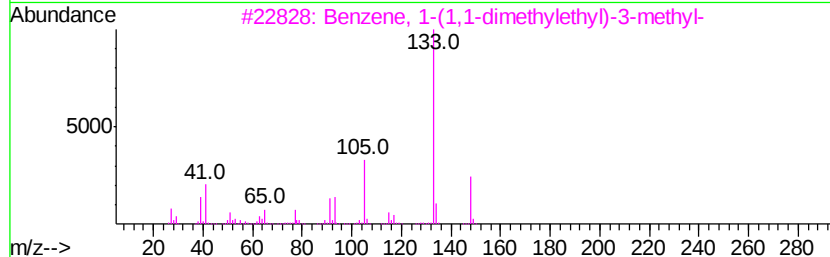
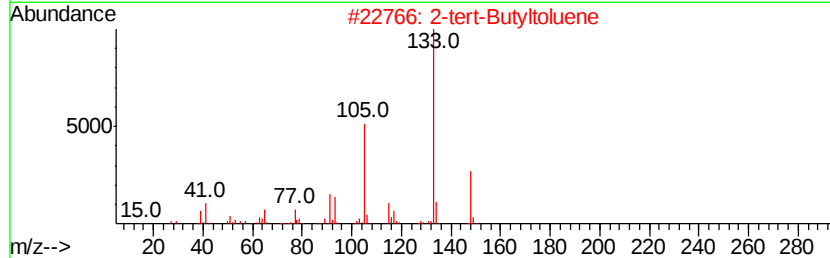
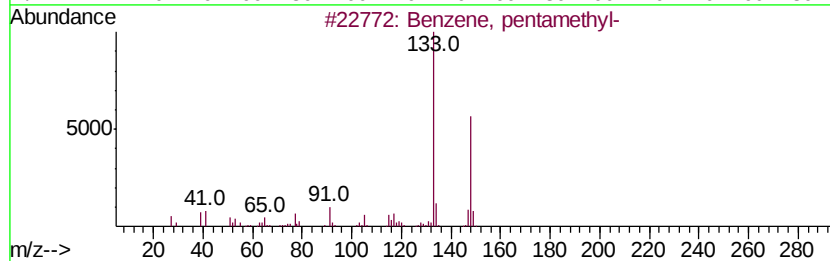
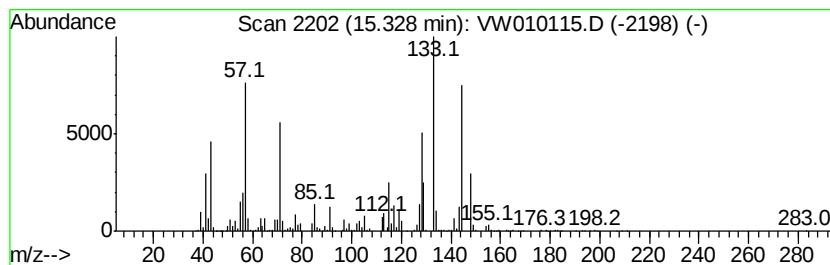
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Quant Title : VOC Analysis

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

Peak Number 32 unknown-01 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	2.13 ug/L	1604030	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, pentamethyl-	148	C11H16	000700-12-9	25
2			2-tert-Butyltoluene	148	C11H16	001074-92-6	25
3			Benzene, 1-(1,1-dimethylethyl)-3-methyl-	148	C11H16	001075-38-3	25
4			Benzene, 1,3-dimethyl-5-(1-methylethyl)-	148	C11H16	004706-90-5	25
5			3,4-Dimethylcumene	148	C11H16	1000370-34-1	25



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010115.D
Acq On : 24 Apr 2019 16:18
Operator : SY/VA
Sample : K2456-02RE
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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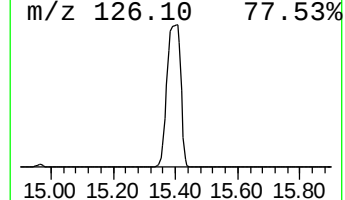
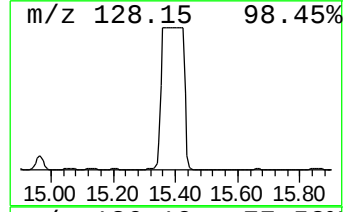
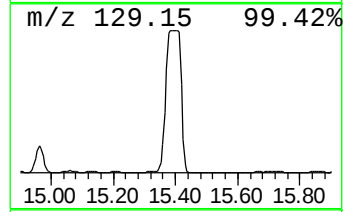
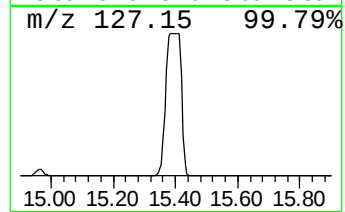
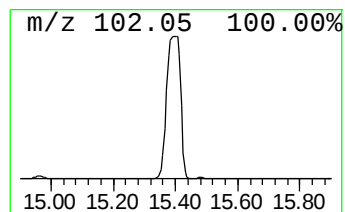
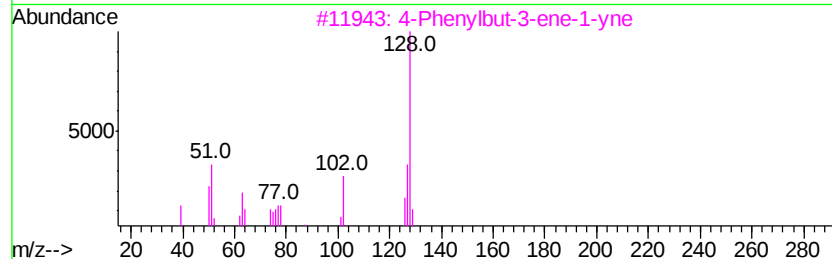
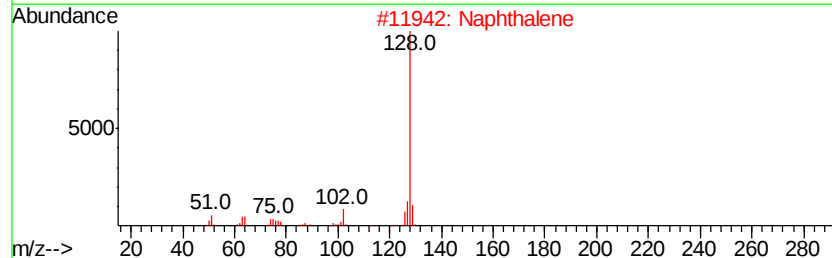
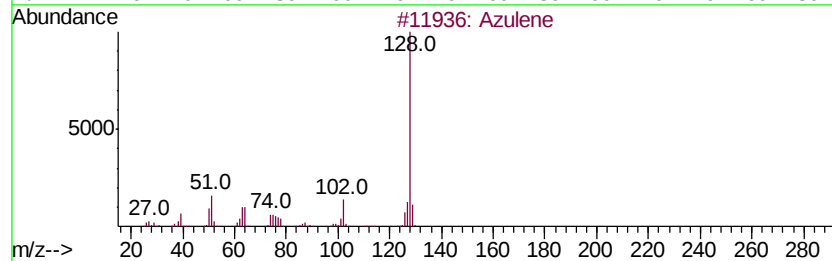
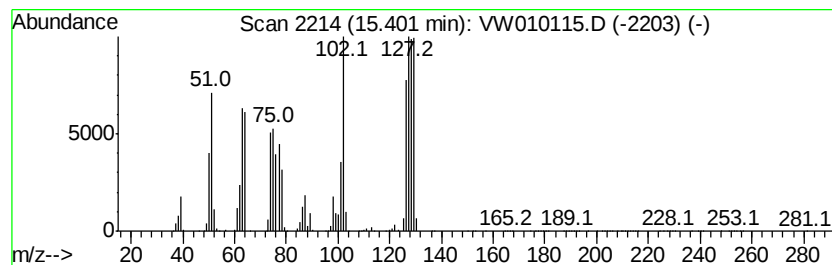
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Quant Title : VOC Analysis

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

Peak Number 33 Azulene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.40	501.07 ug/L	377277000	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Azulene	128	C10H8	000275-51-4	96
2		Naphthalene	128	C10H8	000091-20-3	95
3		4-Phenylbut-3-ene-1-yne	128	C10H8	1000222-12-0	83
4		Azulene	128	C10H8	000275-51-4	60
5		1H-Indene, 1-methylene-	128	C10H8	002471-84-3	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010115.D
Acq On : 24 Apr 2019 16:18
Operator : SY/VA
Sample : K2456-02RE
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHQ2RE

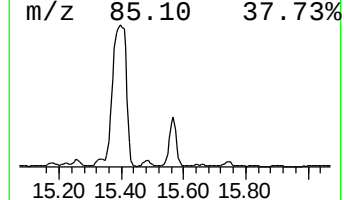
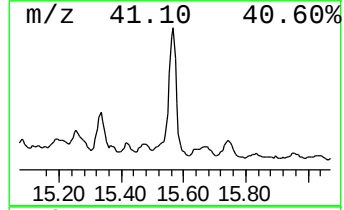
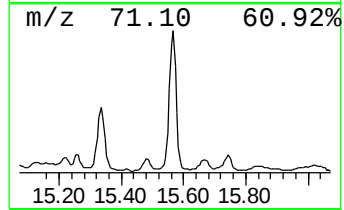
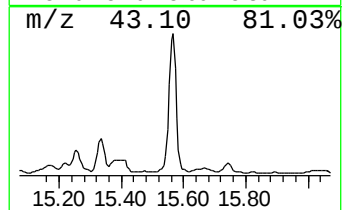
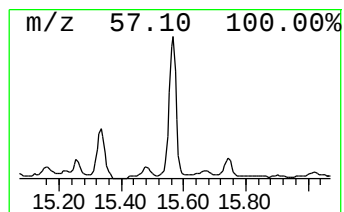
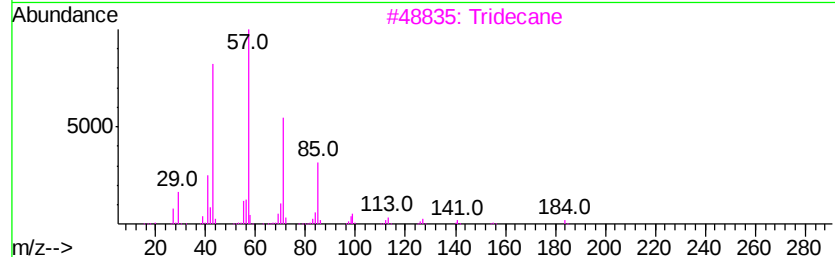
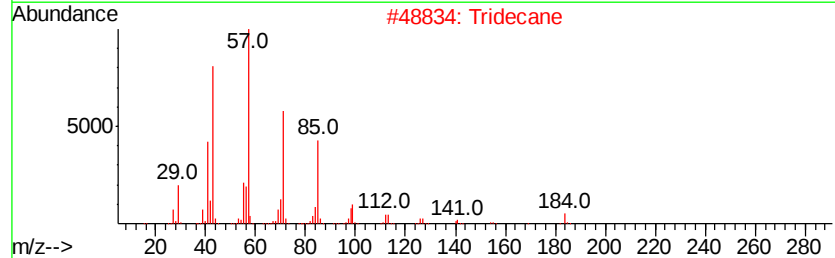
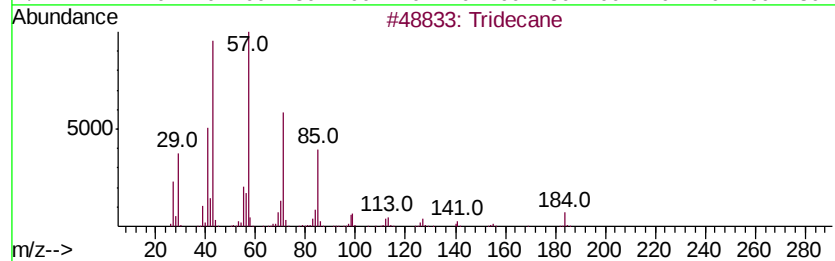
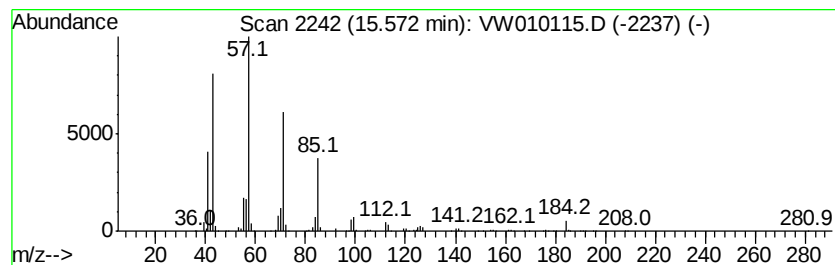
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Quant Title : VOC Analysis

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

Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	4.99 ug/L	3753620	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane	184	C13H28	000629-50-5	94
2			Tridecane	184	C13H28	000629-50-5	93
3			Tridecane	184	C13H28	000629-50-5	91
4			Tetradecane	198	C14H30	000629-59-4	90
5			Hexadecane	226	C16H34	000544-76-3	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010115.D
Acq On : 24 Apr 2019 16:18
Operator : SY/VA
Sample : K2456-02RE
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHQ2RE

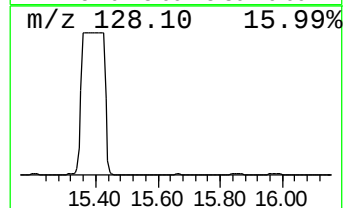
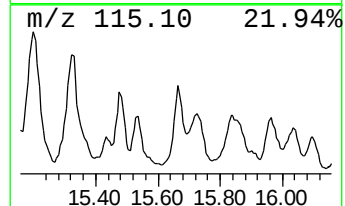
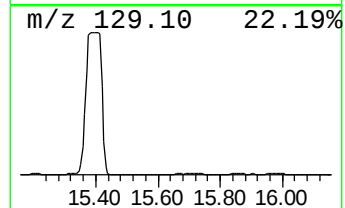
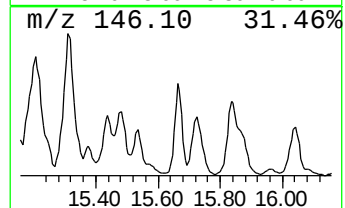
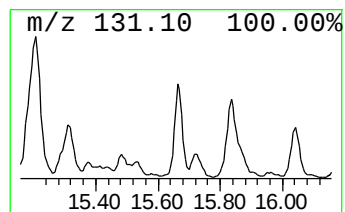
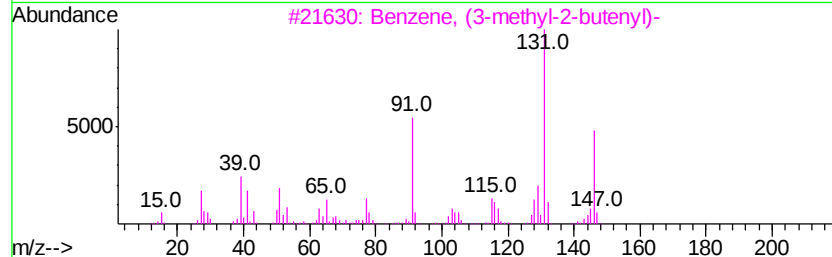
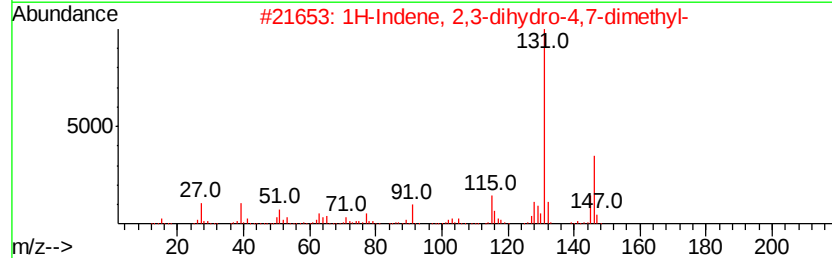
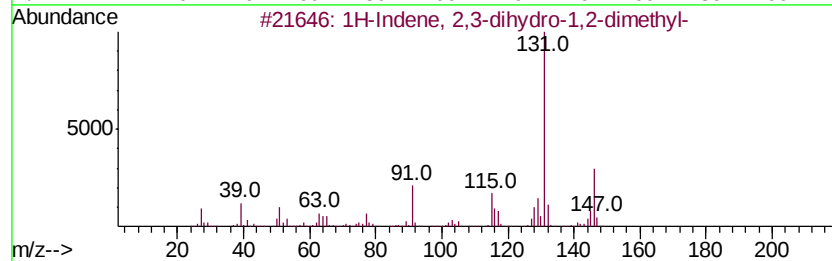
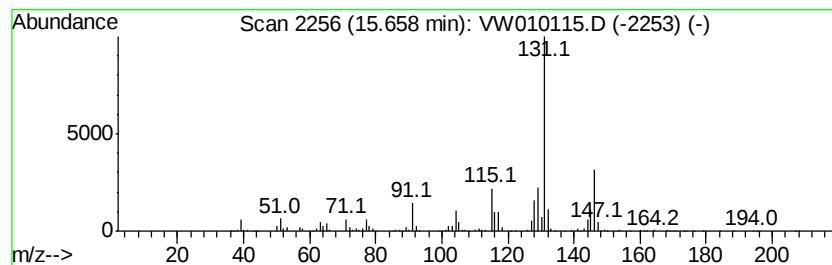
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Quant Title : VOC Analysis

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

Peak Number 36 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	1.82 ug/L	1373900	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	94
2			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
3			Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	93
4			Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	91
5			Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010115.D
Acq On : 24 Apr 2019 16:18
Operator : SY/VA
Sample : K2456-02RE
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

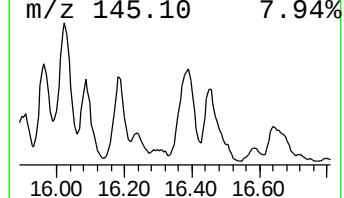
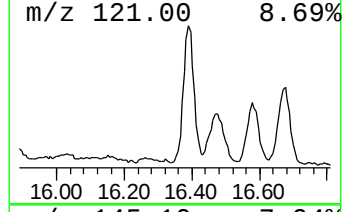
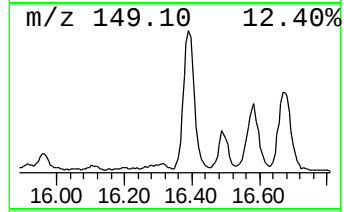
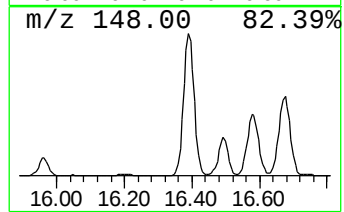
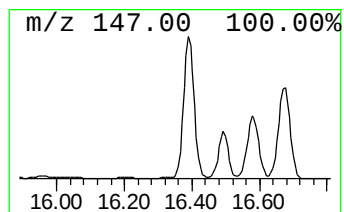
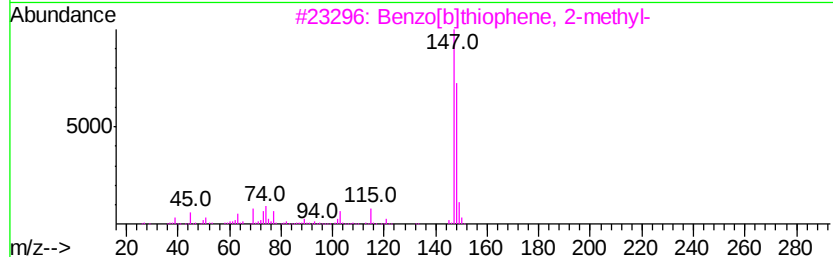
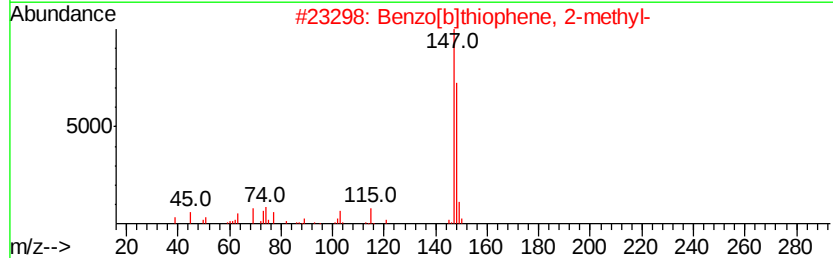
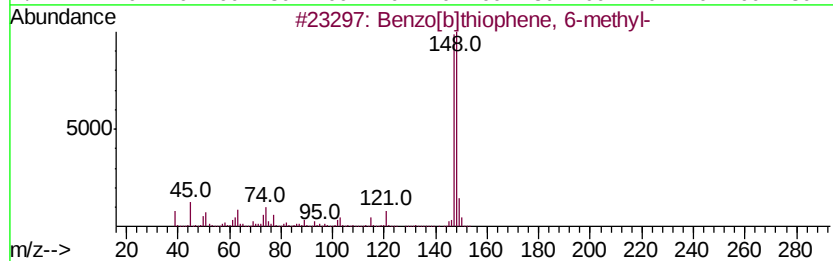
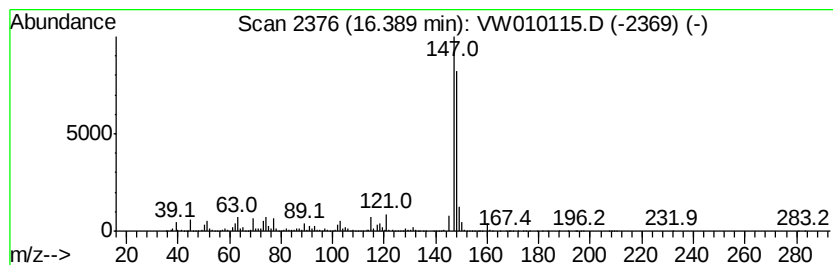
Instrument :
MSVOA_W
ClientSampleId :
GAHQ2RE

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 38 Benzo[b]thiophene, 6-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.39	5.10 ug/L	3840010	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzo[b]thiophene, 6-methyl-	148 C9H8S	016587-47-6 90
2		Benzo[b]thiophene, 2-methyl-	148 C9H8S	001195-14-8 90
3		Benzo[b]thiophene, 2-methyl-	148 C9H8S	001195-14-8 90
4		3-Methylbenzothiophene	148 C9H8S	001455-18-1 90
5		3-Methylbenzothiophene	148 C9H8S	001455-18-1 87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010115.D
Acq On : 24 Apr 2019 16:18
Operator : SY/VA
Sample : K2456-02RE
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHQ2RE

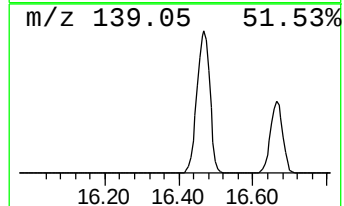
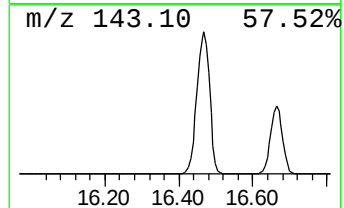
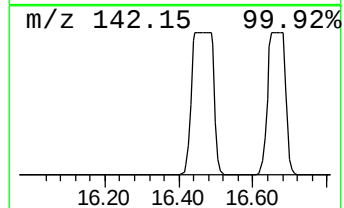
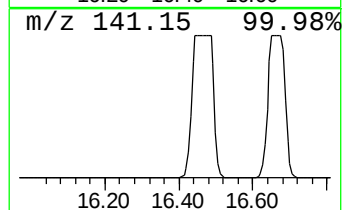
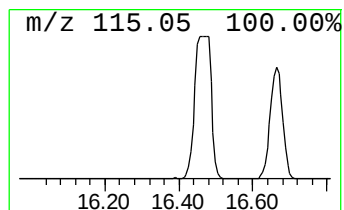
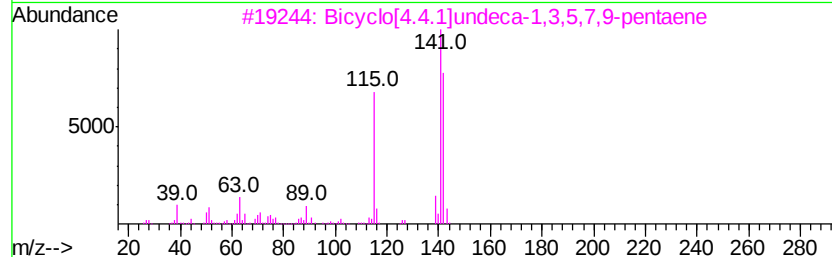
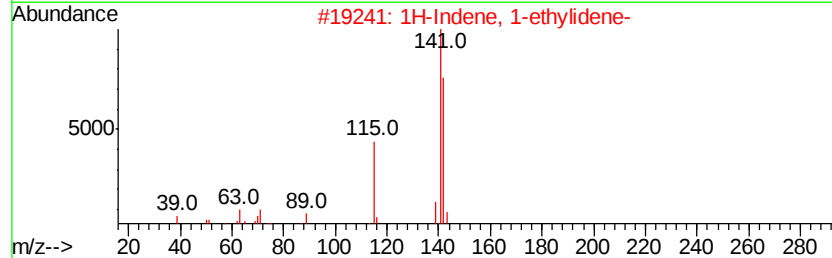
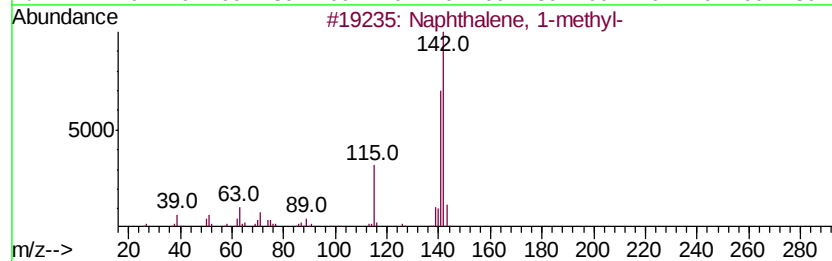
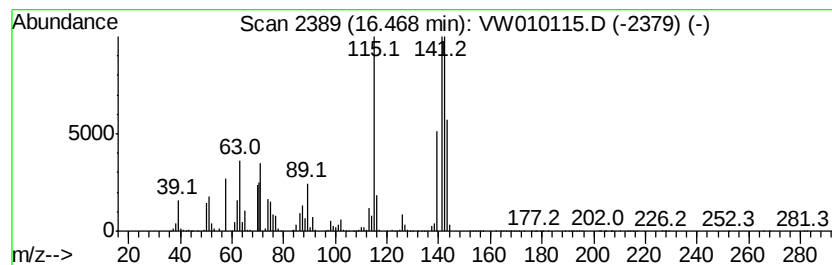
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Quant Title : VOC Analysis

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

Peak Number 39 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.47	329.64 ug/L	248200000	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
2		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	81
3		Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	76
4		Benzocycloheptatriene	142	C11H10	000264-09-5	76
5		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010115.D
Acq On : 24 Apr 2019 16:18
Operator : SY/VA
Sample : K2456-02RE
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

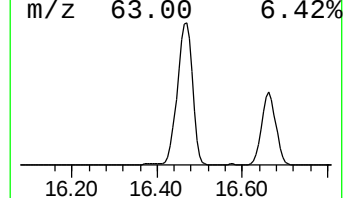
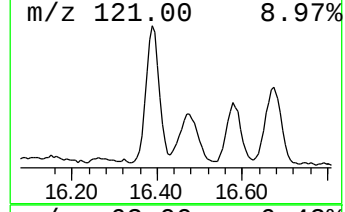
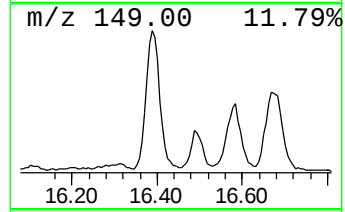
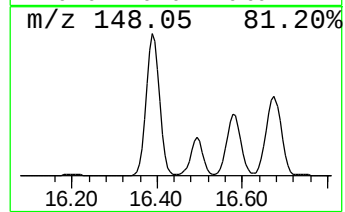
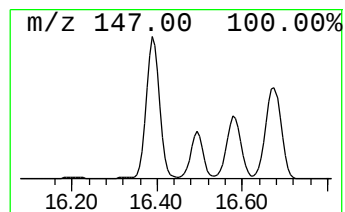
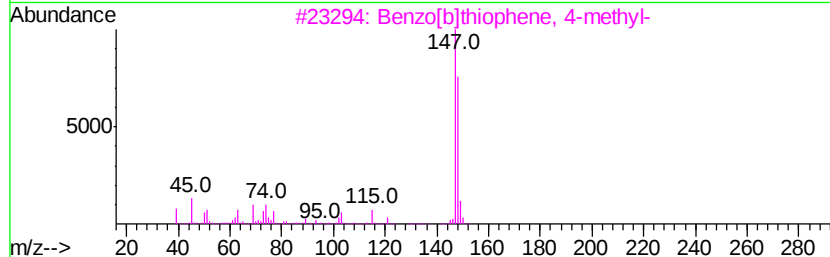
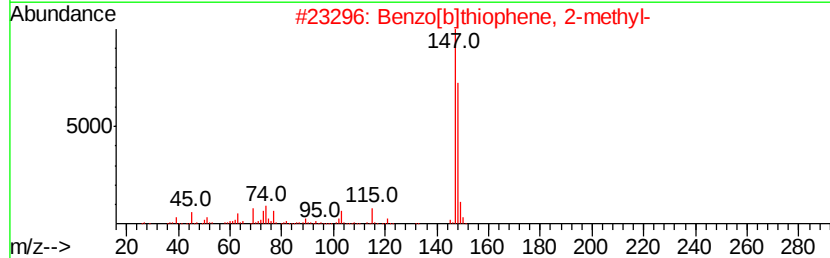
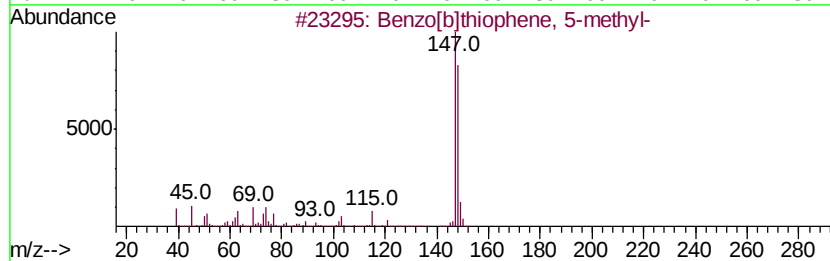
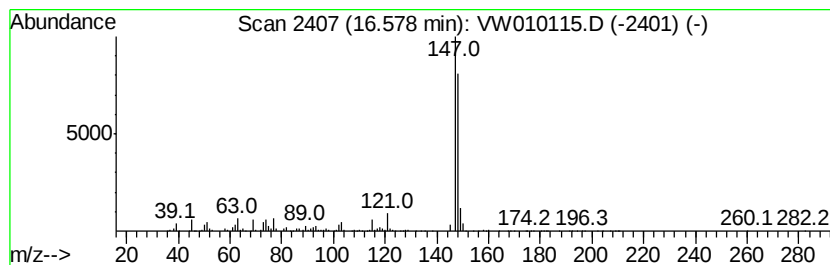
Instrument :
MSVOA_W
ClientSampleId :
GAHQ2RE

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 40 Benzo[b]thiophene, 2-methyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.58	2.26 ug/L	1699110	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzo[b]thiophene, 5-methyl-	148 C9H8S	014315-14-1 91
2		Benzo[b]thiophene, 2-methyl-	148 C9H8S	001195-14-8 91
3		Benzo[b]thiophene, 4-methyl-	148 C9H8S	014315-11-8 91
4		3-Methylbenzothiophene	148 C9H8S	001455-18-1 91
5		3-Methylbenzothiophene	148 C9H8S	001455-18-1 90



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW042419\
 Data File : VW010115.D
 Acq On : 24 Apr 2019 16:18
 Operator : SY/VA
 Sample : K2456-02RE
 Misc : 5.01G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAHQ2RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.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
Ethyl Acetate	7.25	2.7	ug/L	68087	1	8.84	629962	25.0
Hexanal	11.07	1.4	ug/L	37881	2	11.63	701826	25.0
Benzene, 1-ethyl-...	12.87	3.9	ug/L	2897160	3	13.56	18823700	25.0
Benzene, 1-ethyl-...	12.90	1.5	ug/L	1116430	3	13.56	18823700	25.0
Benzene, 1,2,3-tr...	12.94	11.9	ug/L	8945660	3	13.56	18823700	25.0
Benzene, 1-etheny...	13.30	12.8	ug/L	9610070	3	13.56	18823700	25.0
Benzene, 1-etheny...	13.35	4.5	ug/L	3424450	3	13.56	18823700	25.0
Benzene, 1,2-diet...	13.72	2.8	ug/L	2077030	3	13.56	18823700	25.0
Indane	13.76	7.3	ug/L	5494730	3	13.56	18823700	25.0
Benzene, 1-ethyl-...	13.79	8.1	ug/L	6127110	3	13.56	18823700	25.0
Indene	13.94	9.9	ug/L	7479740	3	13.56	18823700	25.0
p-Cymene	14.02	2.7	ug/L	2015230	3	13.56	18823700	25.0
o-Cymene	14.04	6.5	ug/L	4860180	3	13.56	18823700	25.0
Benzene, 2-ethyl-...	14.10	6.3	ug/L	4781150	3	13.56	18823700	25.0
Benzene, 1-etheny...	14.15	4.9	ug/L	3656110	3	13.56	18823700	25.0
Benzene, 1-methyl...	14.24	17.5	ug/L	13173600	3	13.56	18823700	25.0
Benzene, 2-etheny...	14.29	2.7	ug/L	2018990	3	13.56	18823700	25.0
Benzene, 1-ethyl-...	14.34	2.5	ug/L	1860230	3	13.56	18823700	25.0
Benzene, 1,2,3,4-...	14.43	10.9	ug/L	8231240	3	13.56	18823700	25.0
Benzene, 2,4-diet...	14.51	4.2	ug/L	3153200	3	13.56	18823700	25.0
Benzene, 1-etheny...	14.56	10.4	ug/L	7799250	3	13.56	18823700	25.0
(DEL) Alkane: Str...	14.74	4.3	ug/L	3239320	3	13.56	18823700	25.0
Benzene, 1,2,4,5-...	14.80	30.6	ug/L	23023500	3	13.56	18823700	25.0
Benzene, (1-methy...	14.96	25.2	ug/L	18967200	3	13.56	18823700	25.0
Benzene, (2-methy...	15.20	4.0	ug/L	3023580	3	13.56	18823700	25.0
unknown-01	15.33	2.1	ug/L	1604030	3	13.56	18823700	25.0
Azulene	15.40	501.1	ug/L	377277000	3	13.56	18823700	25.0
(DEL) Alkane: Str...	15.57	5.0	ug/L	3753620	3	13.56	18823700	25.0
1H-Indene, 2,3-di...	15.66	1.8	ug/L	1373900	3	13.56	18823700	25.0
Benzo[b]thiophene...	16.39	5.1	ug/L	3840010	3	13.56	18823700	25.0
Naphthalene, 1-me...	16.47	329.6	ug/L	248200000	3	13.56	18823700	25.0
Benzo[b]thiophene...	16.58	2.3	ug/L	1699110	3	13.56	18823700	25.0