

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042419\
 Data File : VW010116.D
 Acq On : 24 Apr 2019 17:44
 Operator : SY/VA
 Sample : K2481-07RE
 Misc : 5.05G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAHW2RE

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	2.148	36	40	43	rBV3	11575	17712	0.00%	0.002%
2	2.343	68	72	82	rBV	33393	82765	0.02%	0.009%
3	2.885	155	161	175	rVB	41271	117115	0.03%	0.013%
4	4.001	336	344	360	rVB	89621	303997	0.08%	0.034%
5	4.605	439	443	444	rBV3	1665	1969	0.00%	0.000%
6	4.818	477	478	481	rBV3	1256	1267	0.00%	0.000%
7	4.903	481	492	505	rVV5	20043	90053	0.03%	0.010%
8	5.117	524	527	529	rBV3	825	1055	0.00%	0.000%
9	5.403	569	574	575	rBV4	1706	2550	0.00%	0.000%
10	5.751	628	631	634	rBV4	622	1127	0.00%	0.000%
11	5.915	649	658	668	rVB5	10632	32313	0.01%	0.004%
12	6.086	683	686	687	rBV2	1123	1370	0.00%	0.000%
13	6.123	691	692	695	rVV3	2131	1953	0.00%	0.000%
14	6.495	749	753	756	rBV3	990	1492	0.00%	0.000%
15	6.836	804	809	812	rBV3	667	1019	0.00%	0.000%
16	6.927	822	824	825	rBV2	947	955	0.00%	0.000%
17	7.037	839	842	844	rBV3	813	950	0.00%	0.000%
18	7.104	844	853	867	rBV	69468	233299	0.07%	0.026%
19	7.275	874	881	887	rVB2	6587	17296	0.00%	0.002%
20	7.543	920	925	926	rBV6	1731	2500	0.00%	0.000%
21	7.641	932	941	955	rVB	334275	788192	0.22%	0.088%
22	7.878	975	980	981	rBV3	879	1421	0.00%	0.000%
23	8.006	996	1001	1004	rBV4	1001	1470	0.00%	0.000%
24	8.031	1004	1005	1010	rVB4	1315	1490	0.00%	0.000%
25	8.147	1018	1024	1027	rBV6	1369	2692	0.00%	0.000%
26	8.269	1032	1044	1063	rBV2	555556	1781525	0.50%	0.198%
27	8.488	1075	1080	1084	rBV6	1287	2636	0.00%	0.000%
28	8.573	1093	1094	1098	rVB3	1476	1685	0.00%	0.000%
29	8.695	1110	1114	1116	rBV5	1233	1856	0.00%	0.000%
30	8.836	1128	1137	1148	rBV	626571	1265728	0.35%	0.141%
31	9.018	1164	1167	1168	rBV2	813	987	0.00%	0.000%
32	9.079	1171	1177	1180	rVV7	5304	10821	0.00%	0.001%
33	9.274	1199	1209	1218	rBV	436236	887113	0.25%	0.099%
34	9.415	1231	1232	1237	rVB3	1383	1738	0.00%	0.000%

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Integration Parameters: LSCINT.P

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 Title : VOC Analysis

35	9.634	1265	1268	1269	rBV2	905	1076	0.00%	0.000%
36	9.665	1269	1273	1280	rVB5	2917	5143	0.00%	0.001%
37	9.756	1283	1288	1292	rBV7	2033	3326	0.00%	0.000%
38	9.884	1303	1309	1316	rBV5	4408	11252	0.00%	0.001%
39	10.030	1326	1333	1345	rVV	206893	378478	0.11%	0.042%
40	10.122	1345	1348	1353	rVB3	2976	3868	0.00%	0.000%
41	10.250	1365	1369	1372	rVB	3120	4262	0.00%	0.000%
42	10.323	1373	1381	1386	rBV	659047	1163996	0.32%	0.129%
43	10.384	1386	1391	1404	rVB	548628	963760	0.27%	0.107%
44	10.500	1408	1410	1416	rVB6	1796	2784	0.00%	0.000%
45	10.579	1416	1423	1430	rBV	137143	245436	0.07%	0.027%
46	10.701	1436	1443	1449	rBV2	12370	23378	0.01%	0.003%
47	10.853	1459	1468	1474	rBV7	8095	15947	0.00%	0.002%
48	10.927	1474	1480	1492	rBV	318724	539169	0.15%	0.060%
49	11.067	1497	1503	1511	rVB9	9838	24614	0.01%	0.003%
50	11.225	1527	1529	1532	rBV3	1513	1558	0.00%	0.000%
51	11.323	1540	1545	1546	rBV5	3365	5453	0.00%	0.001%
52	11.347	1547	1549	1551	rVV2	3179	2778	0.00%	0.000%
53	11.628	1588	1595	1604	rBV	756073	1319347	0.37%	0.147%
54	11.725	1608	1611	1617	rVV3	17298	35279	0.01%	0.004%
55	11.786	1617	1621	1623	rVV5	21855	33353	0.01%	0.004%
56	11.835	1623	1629	1639	rVB	627586	1135229	0.32%	0.126%
57	12.170	1677	1684	1693	rBV2	294535	577925	0.16%	0.064%
58	12.341	1705	1712	1715	rBV9	5569	13397	0.00%	0.001%
59	12.390	1715	1720	1724	rVV8	6941	17016	0.00%	0.002%
60	12.463	1727	1732	1741	rVB	67209	116024	0.03%	0.013%
61	12.609	1752	1756	1761	rVB	17830	28276	0.01%	0.003%
62	12.695	1764	1770	1776	rVB	267963	440021	0.12%	0.049%
63	12.804	1783	1788	1792	rBV	125167	201660	0.06%	0.022%
64	12.865	1792	1798	1802	rBV	1455707	2458086	0.69%	0.273%
65	12.945	1807	1811	1822	rVB	915823	1453049	0.41%	0.162%
66	13.109	1830	1838	1845	rBV3	457156	946294	0.26%	0.105%
67	13.255	1852	1862	1866	rBV	2513822	4235155	1.18%	0.471%
68	13.304	1866	1870	1874	rVV	2656104	3993745	1.11%	0.444%
69	13.353	1874	1878	1886	rVB	934701	1457186	0.41%	0.162%
70	13.444	1889	1893	1898	rBV2	74837	118824	0.03%	0.013%
71	13.560	1907	1912	1913	rBV	435920	551376	0.15%	0.061%

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72	13.591	1914	1917	1920	rVV	735993	1082787	0.30%	0.120%
73	13.627	1920	1923	1931	rVB	395590	615390	0.17%	0.068%
74	13.719	1932	1938	1941	rBV3	264295	492322	0.14%	0.055%
75	13.755	1941	1944	1946	rVV2	255836	373430	0.10%	0.042%
76	13.792	1946	1950	1955	rVB2	935953	1388401	0.39%	0.154%
77	13.877	1961	1964	1969	rVB	911925	1270050	0.35%	0.141%
78	13.938	1969	1974	1981	rVB	1346332	2228544	0.62%	0.248%
79	14.042	1982	1991	1993	rBV	735437	1660608	0.46%	0.185%
80	14.103	1997	2001	2004	rVB	635923	863409	0.24%	0.096%
81	14.146	2004	2008	2013	rVB2	815839	1412404	0.39%	0.157%
82	14.237	2014	2023	2028	rBV	6237477	9960082	2.78%	1.108%
83	14.286	2028	2031	2036	rVB	919112	1320287	0.37%	0.147%
84	14.347	2036	2041	2045	rBV3	748867	1448996	0.40%	0.161%
85	14.426	2050	2054	2056	rVV	1401878	2107568	0.59%	0.234%
86	14.463	2056	2060	2064	rVV2	4706584	7357811	2.05%	0.818%
87	14.505	2064	2067	2071	rVV	2041239	2709869	0.76%	0.301%
88	14.560	2071	2076	2081	rVB3	3880336	6251132	1.74%	0.695%
89	14.645	2088	2090	2094	rVB	504858	577717	0.16%	0.064%
90	14.731	2094	2104	2109	rBV	13493711	22325004	6.23%	2.483%
91	14.798	2109	2115	2120	rVV2	6777660	12938057	3.61%	1.439%
92	14.877	2120	2128	2136	rVV4	6656813	18977788	5.29%	2.111%
93	14.956	2136	2141	2149	rVB	11408464	19923743	5.56%	2.216%
94	15.182	2174	2178	2185	rBV3	1976088	5479873	1.53%	0.610%
95	15.328	2197	2202	2204	rBV3	5645040	9896782	2.76%	1.101%
96	15.377	2204	2210	2220	rVB2	56781888	113620396	31.69%	12.639%
97	15.566	2237	2241	2249	rVB	19131921	30360481	8.47%	3.377%
98	16.389	2371	2376	2379	rBV2	2597243	5386221	1.50%	0.599%
99	16.474	2380	2390	2401	rVB5	105099427	358567787	100.00%	39.886%
100	16.676	2413	2423	2433	rVB3	84557916	230187410	64.20%	25.606%

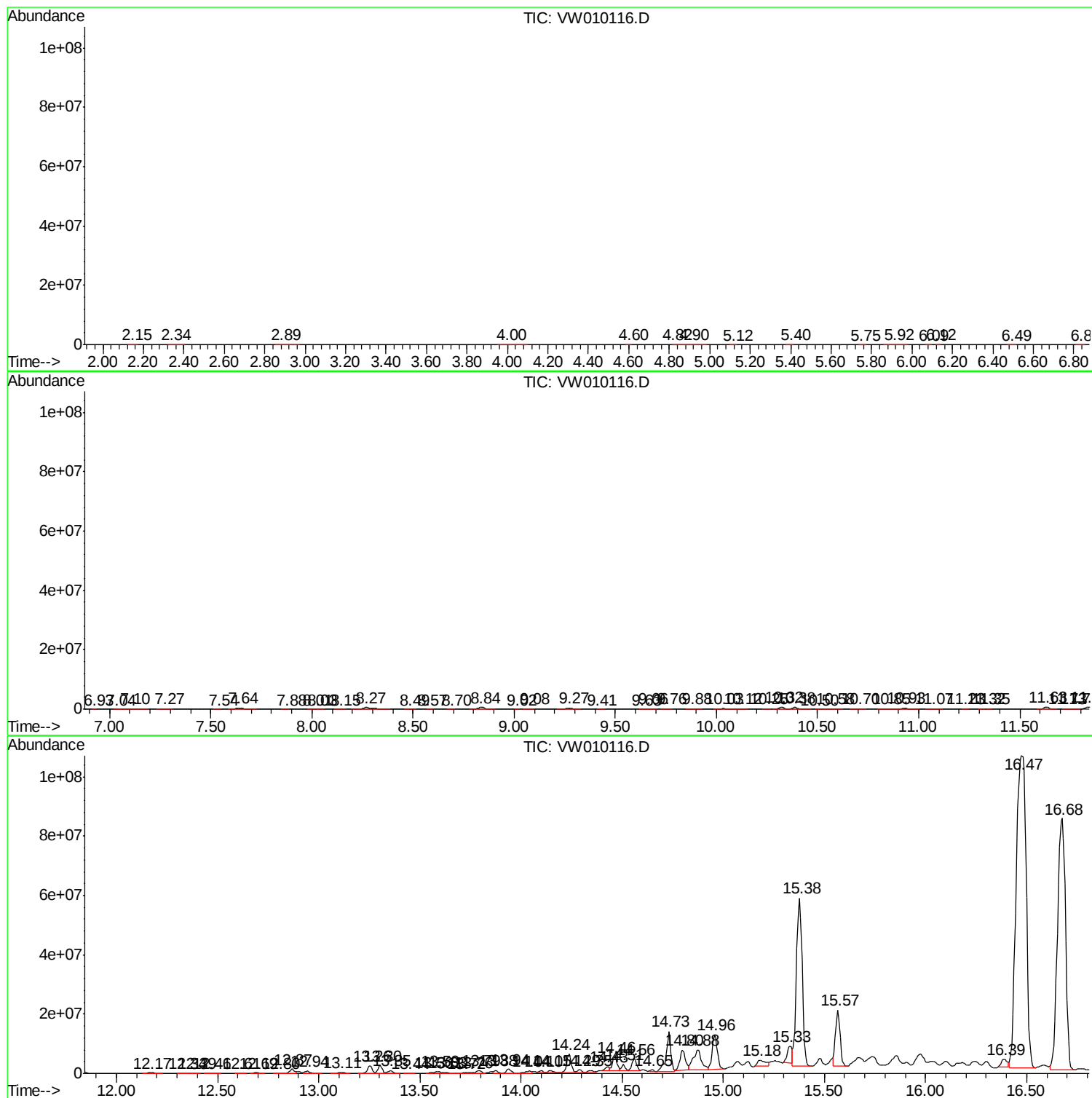
Sum of corrected areas: 898973980

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ClientSampleId :
GAHW2RE

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



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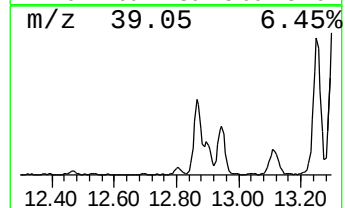
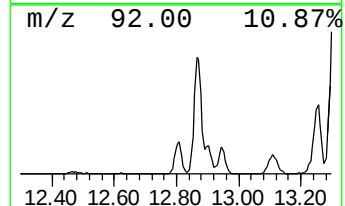
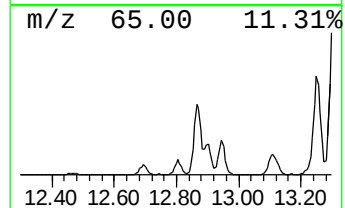
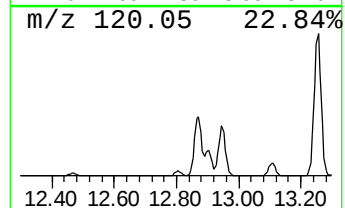
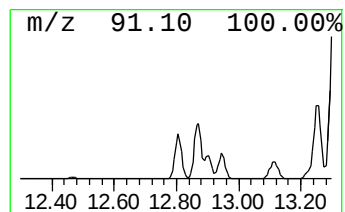
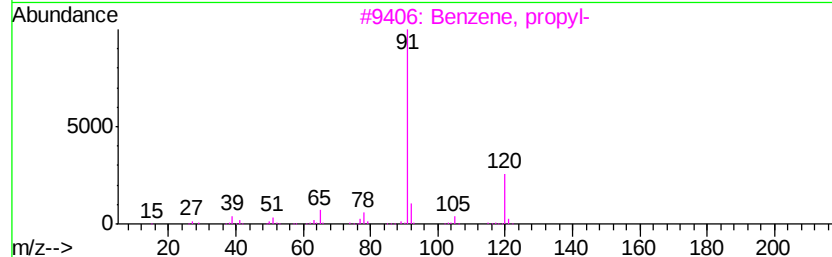
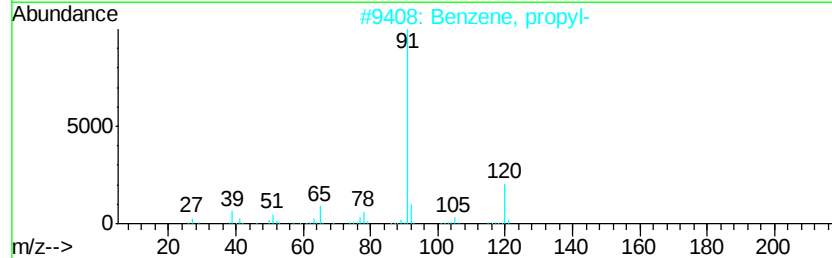
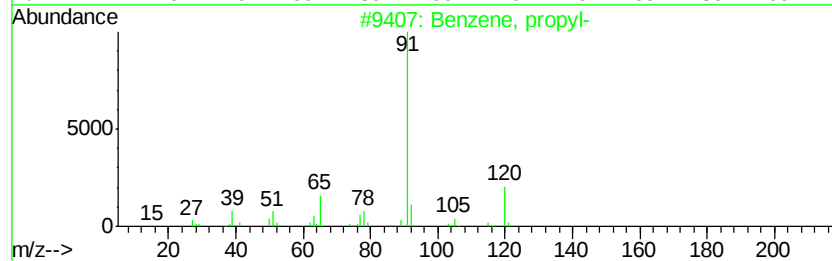
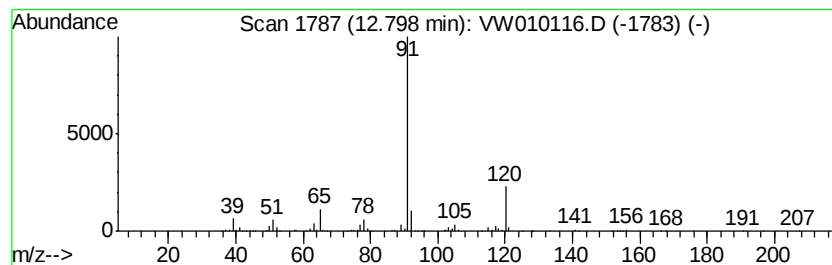
Instrument :
MSVOA_W
ClientSampleId :
GAHW2RE

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 3 Benzene, propyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.80	9.14 ug/L	201660	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, propyl-	120 C9H12	000103-65-1 93
2		Benzene, propyl-	120 C9H12	000103-65-1 87
3		Benzene, propyl-	120 C9H12	000103-65-1 83
4		1,2-Ethanediamine, N,N'-bis(phen...	240 C16H20N2	000140-28-3 72
5		n-Butylbenzylamine	163 C11H17N	002403-22-7 72



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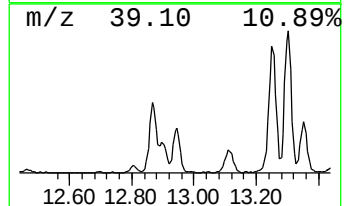
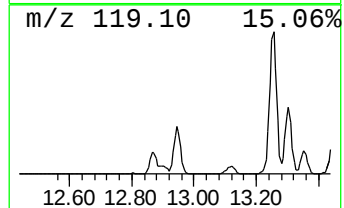
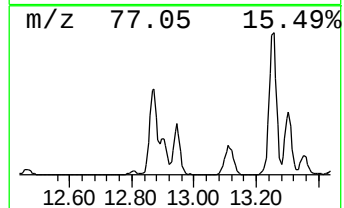
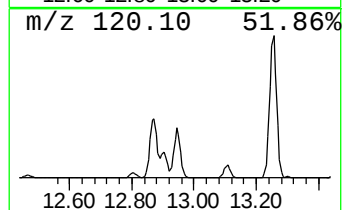
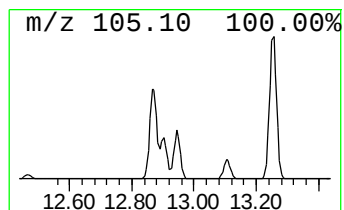
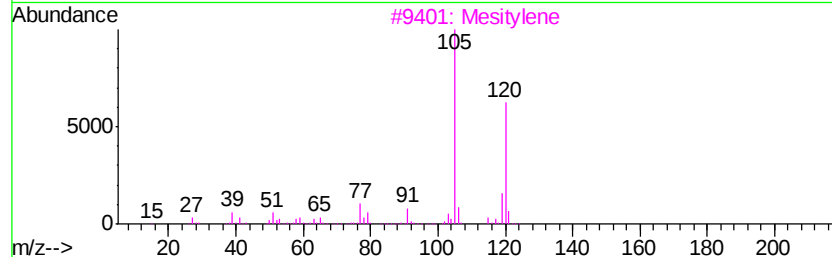
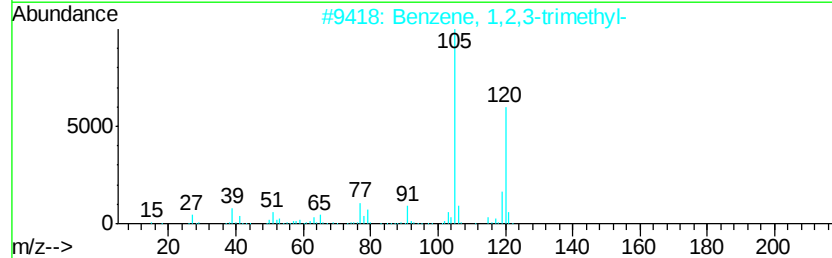
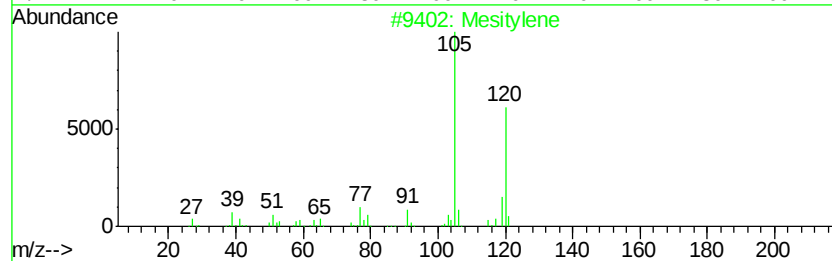
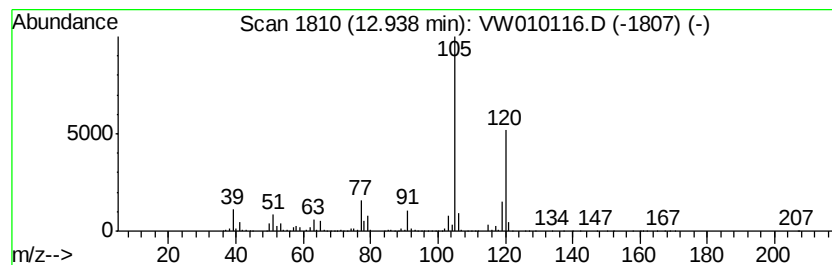
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Quant Title : VOC Analysis

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

Peak Number 5 Mesitylene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	65.88 ug/L	1453050	1,4-Dichlorobenzene-d4	13.56

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



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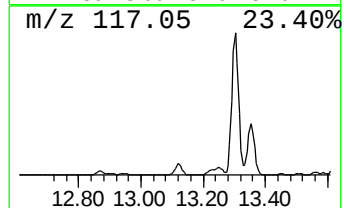
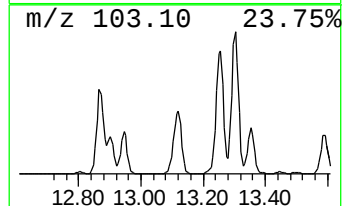
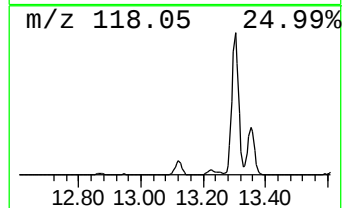
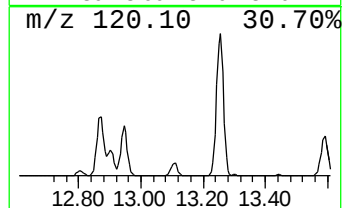
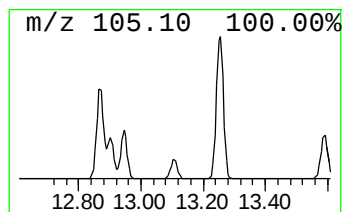
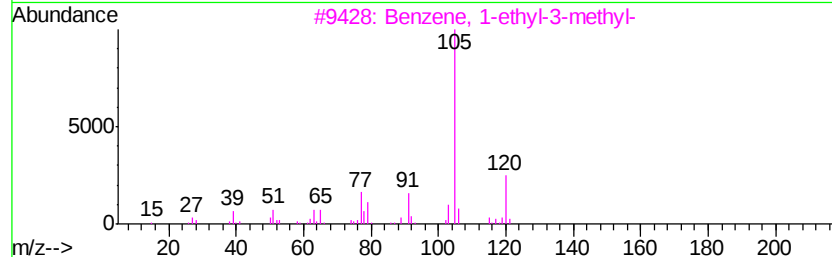
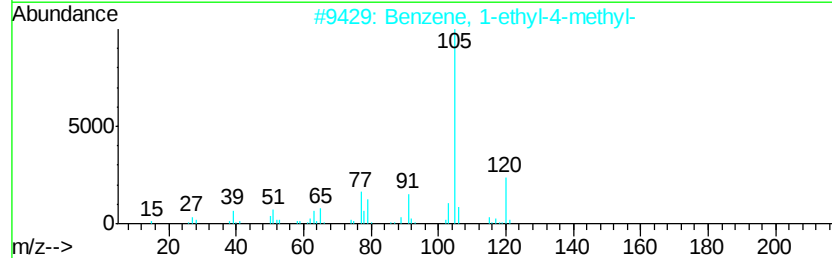
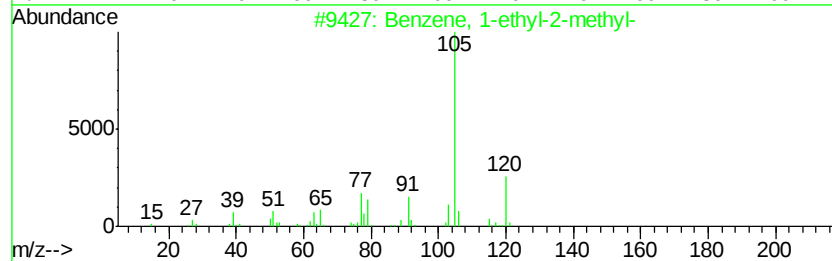
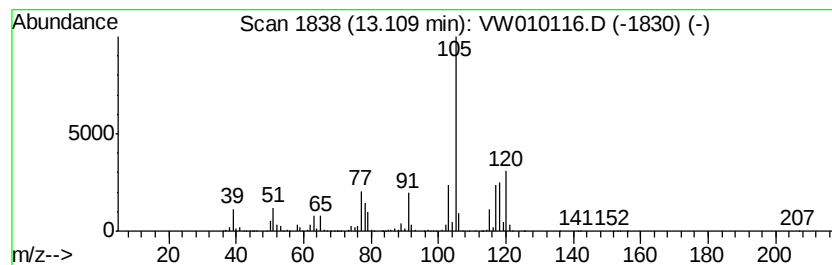
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TIC Integration Parameters: LSCINT.P

Peak Number 6 Benzene, 1-ethyl-2-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	42.91 ug/L	946294	1,4-Dichlorobenzene-d4	13.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	55
2		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	55
3		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	49
4		2,4-Nonadiyne	120	C9H12	063621-15-8	45
5		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010116.D
Acq On : 24 Apr 2019 17:44
Operator : SY/VA
Sample : K2481-07RE
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHW2RE

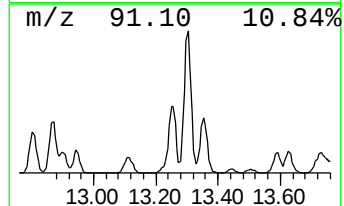
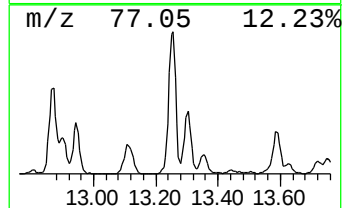
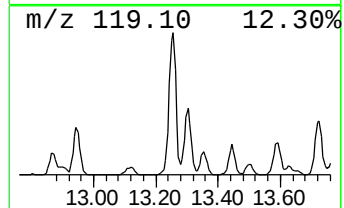
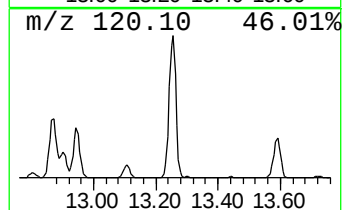
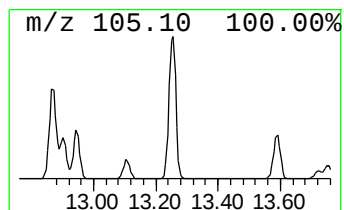
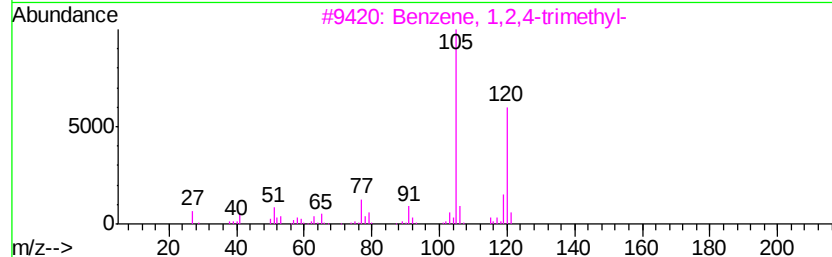
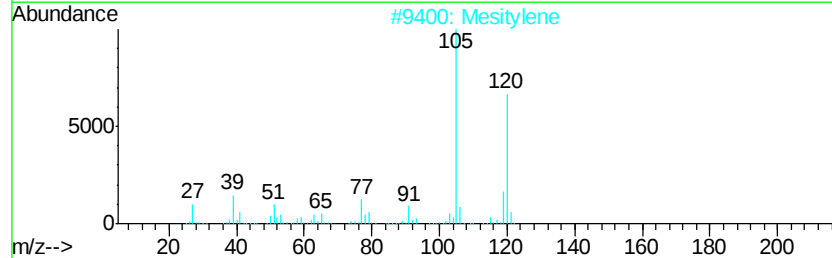
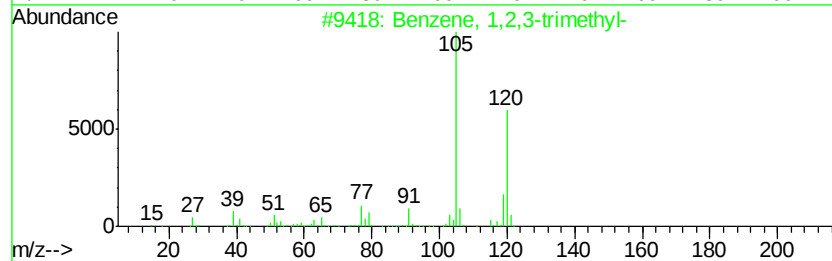
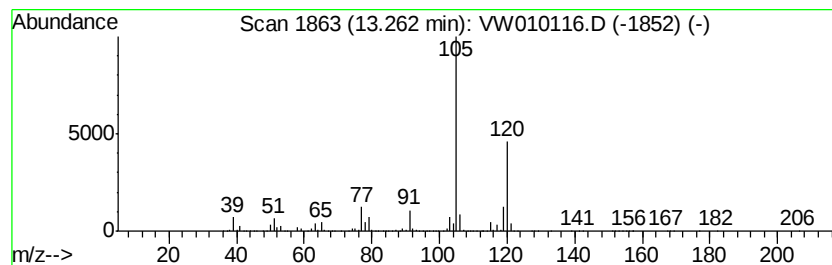
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Quant Title : VOC Analysis

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

Peak Number 7 Benzene, 1,2,3-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	192.03 ug/L	4235160	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2		Mesitylene	120	C9H12	000108-67-8	95
3		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
4		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5		Mesitylene	120	C9H12	000108-67-8	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010116.D
Acq On : 24 Apr 2019 17:44
Operator : SY/VA
Sample : K2481-07RE
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHW2RE

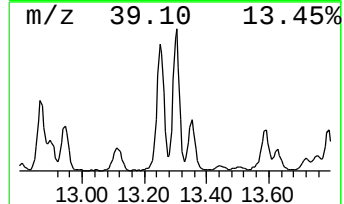
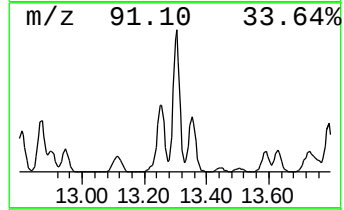
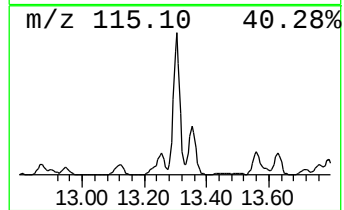
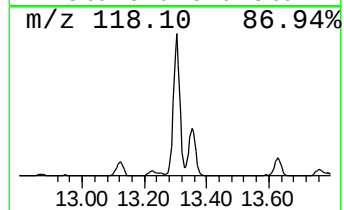
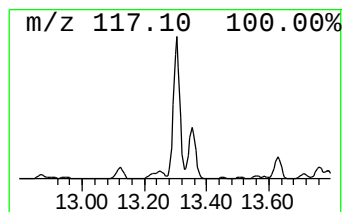
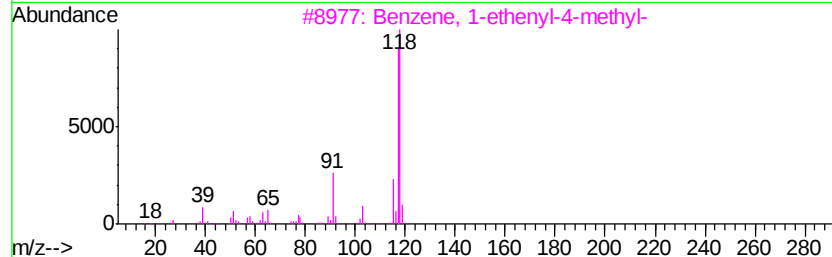
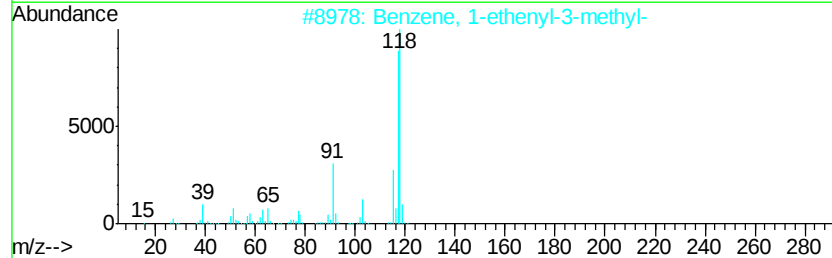
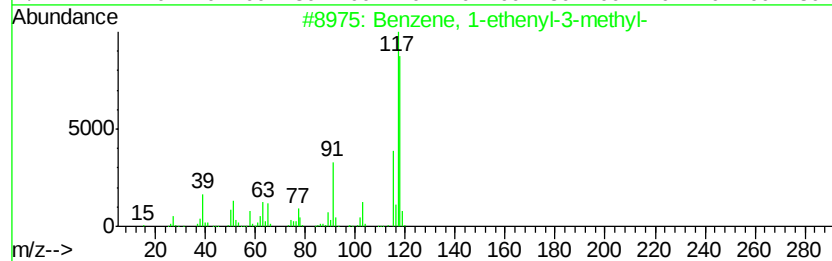
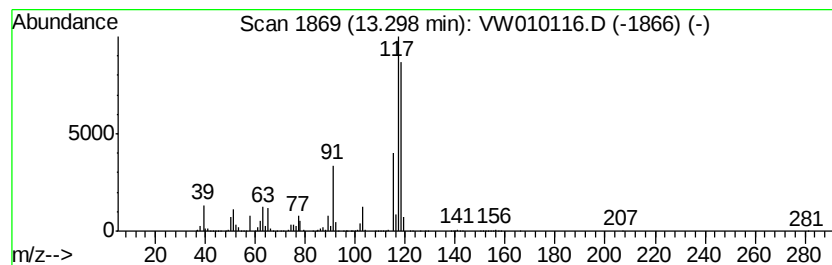
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Quant Title : VOC Analysis

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

Peak Number 8 Benzene, 1-ethenyl-3-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	181.08 ug/L	3993750	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-4-methyl-	118	C9H10	000622-97-9	95
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 : VW010116.D
Acq On : 24 Apr 2019 17:44
Operator : SY/VA
Sample : K2481-07RE
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

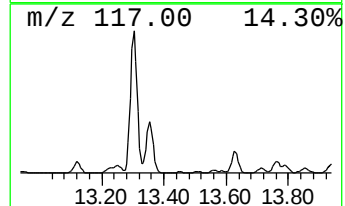
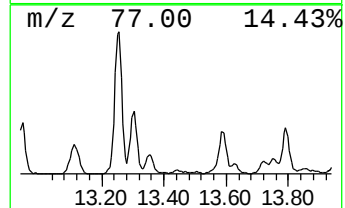
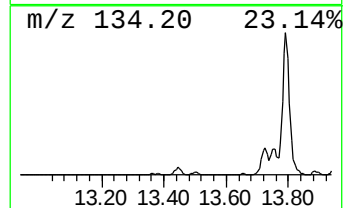
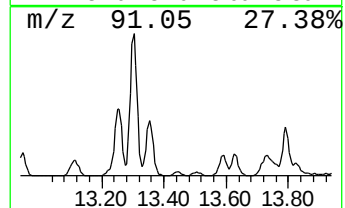
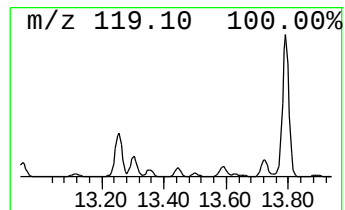
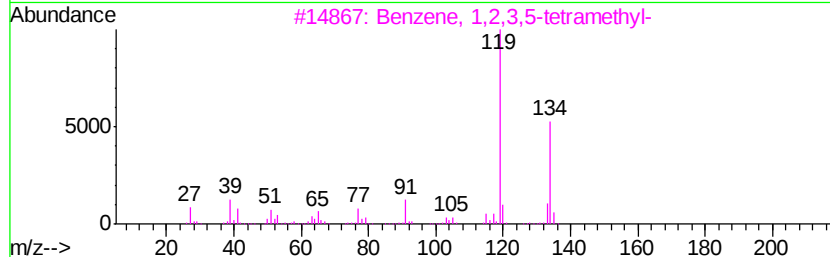
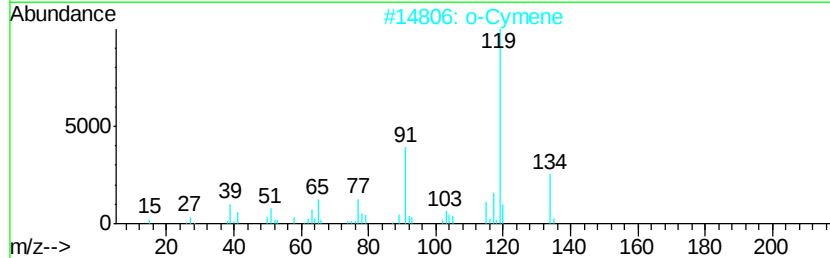
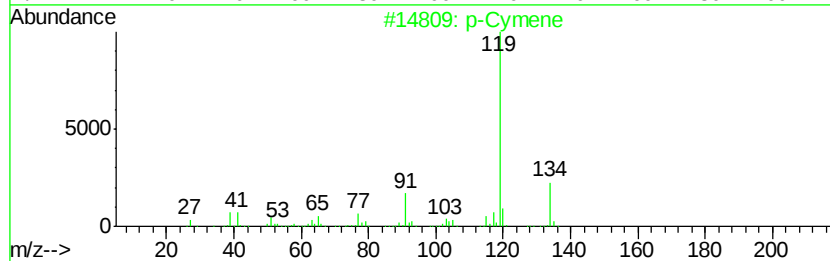
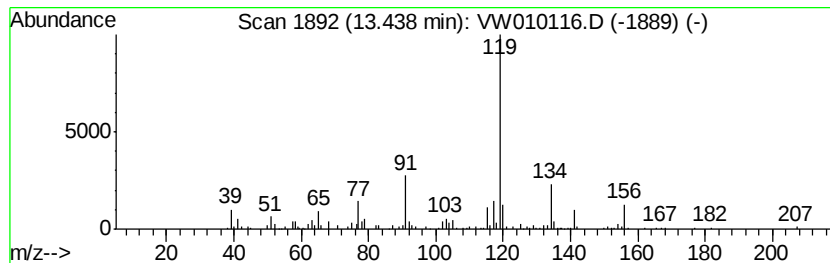
Instrument :
MSVOA_W
ClientSampleId :
GAHW2RE

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 10 p-Cymene Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.44	5.39 ug/L	118824	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	p-Cymene	134 C10H14	000099-87-6	93
2	o-Cymene	134 C10H14	000527-84-4	93
3	Benzene, 1,2,3,5-tetramethyl-	134 C10H14	000527-53-7	87
4	Benzene, 1,2,4,5-tetramethyl-	134 C10H14	000095-93-2	87
5	Benzene, 1,2,3,4-tetramethyl-	134 C10H14	000488-23-3	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010116.D
Acq On : 24 Apr 2019 17:44
Operator : SY/VA
Sample : K2481-07RE
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHW2RE

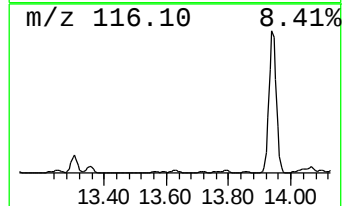
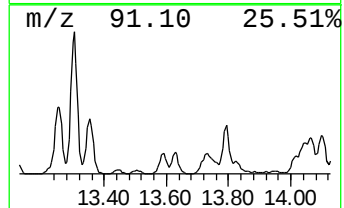
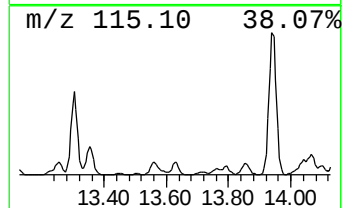
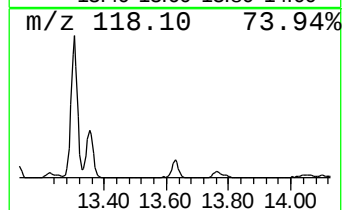
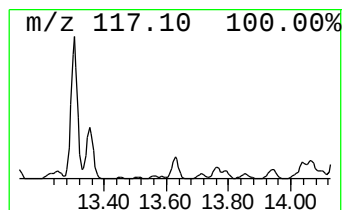
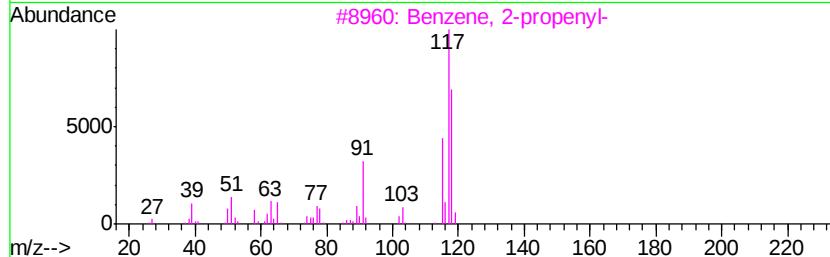
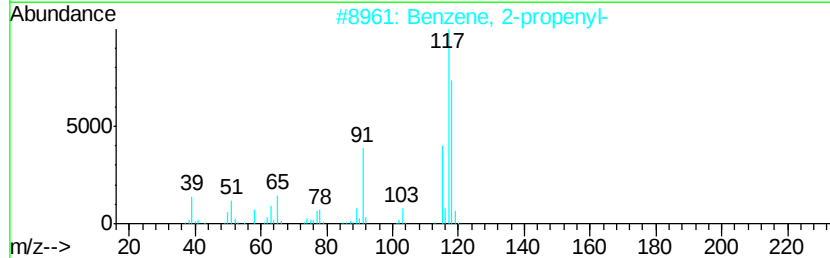
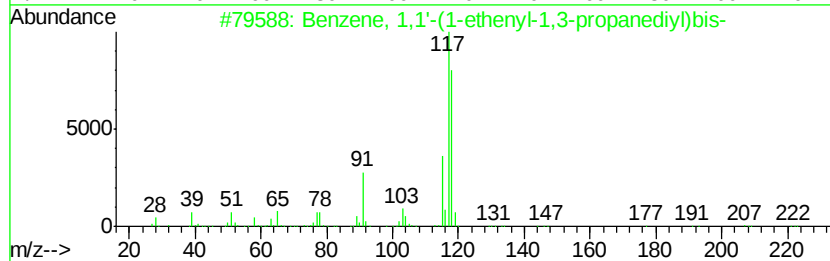
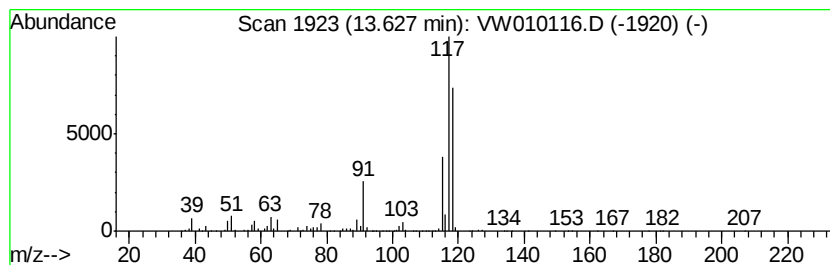
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Quant Title : VOC Analysis

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

Peak Number 11 Benzene, 1,1'-(1-ethenyl-1,... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	27.90 ug/L	615390	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	83
2		Benzene, 2-propenyl-	118	C9H10	000300-57-2	81
3		Benzene, 2-propenyl-	118	C9H10	000300-57-2	81
4		Indane	118	C9H10	000496-11-7	81
5		Indane	118	C9H10	000496-11-7	74



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010116.D
Acq On : 24 Apr 2019 17:44
Operator : SY/VA
Sample : K2481-07RE
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHW2RE

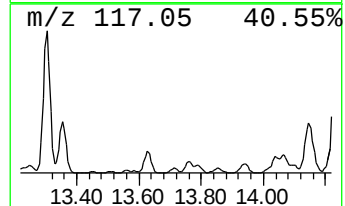
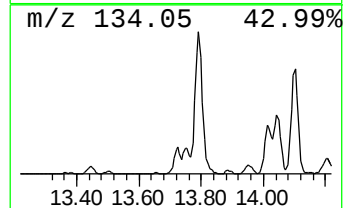
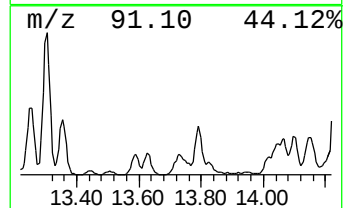
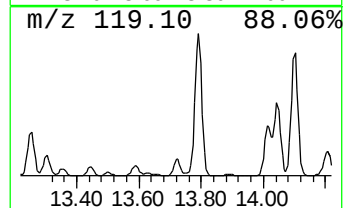
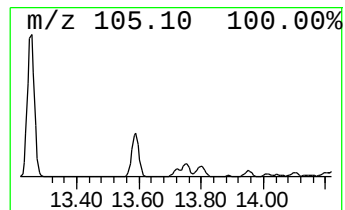
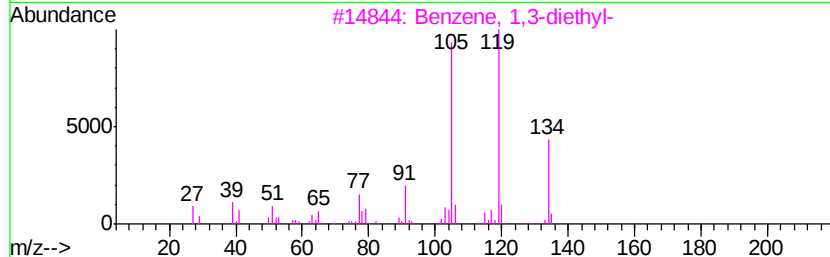
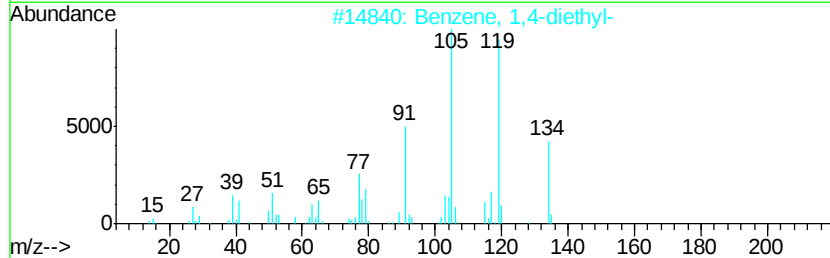
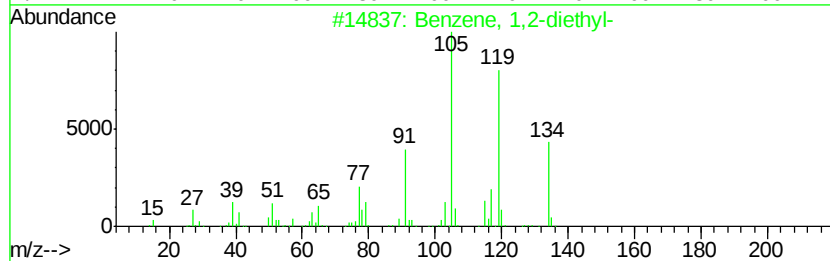
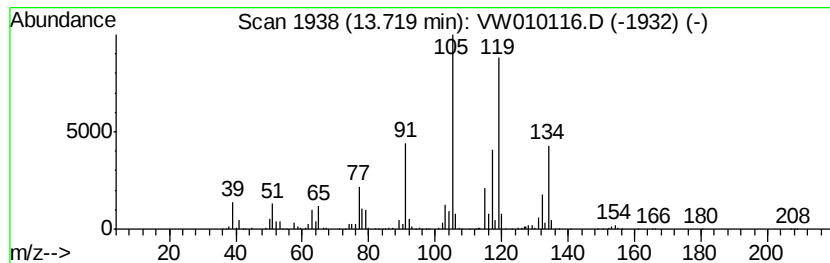
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Quant Title : VOC Analysis

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

Peak Number 12 Benzene, 1,2-diethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	22.32 ug/L	492322	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	94
2		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	89
3		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	76
4		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	76
5		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	76



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010116.D
Acq On : 24 Apr 2019 17:44
Operator : SY/VA
Sample : K2481-07RE
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHW2RE

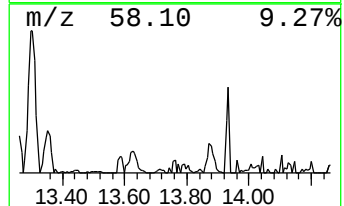
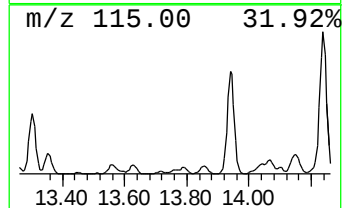
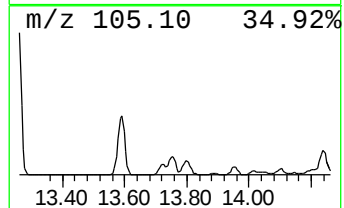
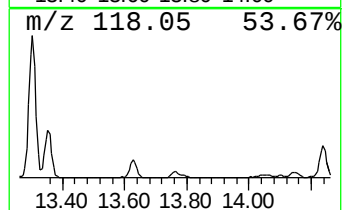
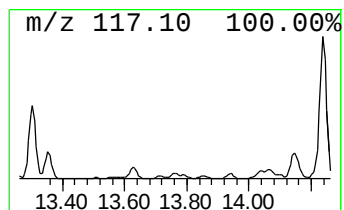
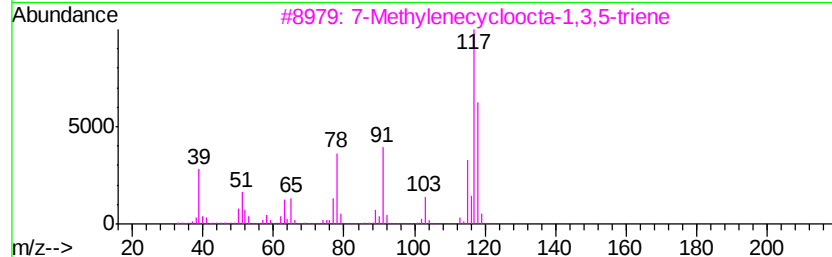
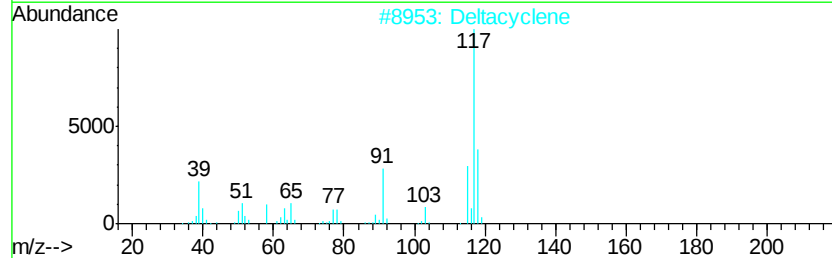
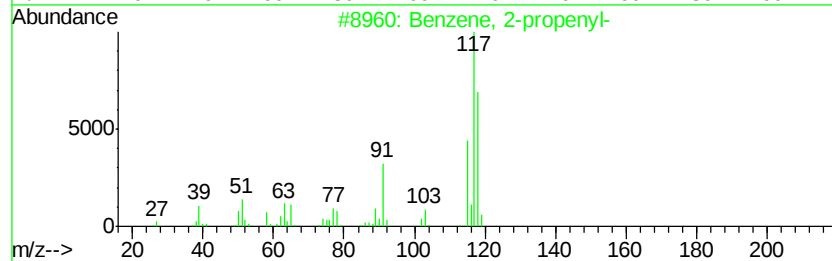
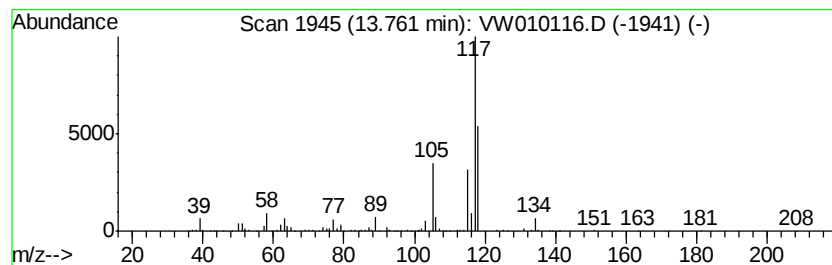
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Quant Title : VOC Analysis

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

Peak Number 13 Benzene, 2-propenyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	16.93 ug/L	373430	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	58
2		Deltacyclene	118	C9H10	007785-10-6	52
3		7-Methylenecycloocta-1,3,5-triene	118	C9H10	002570-13-0	52
4		Deltacyclene	118	C9H10	007785-10-6	52
5		Indane	118	C9H10	000496-11-7	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010116.D
Acq On : 24 Apr 2019 17:44
Operator : SY/VA
Sample : K2481-07RE
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
GAHW2RE

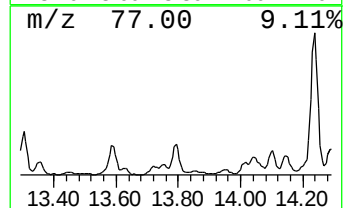
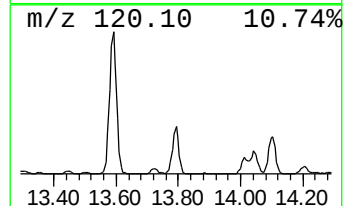
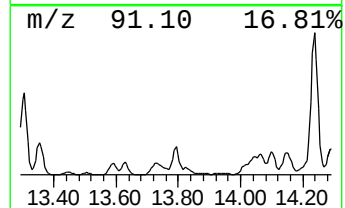
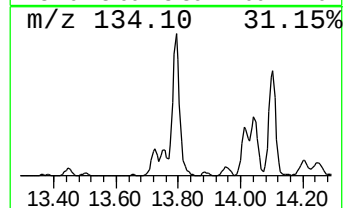
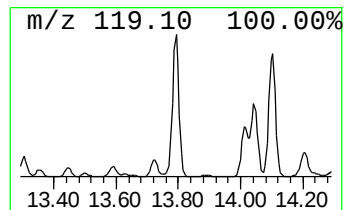
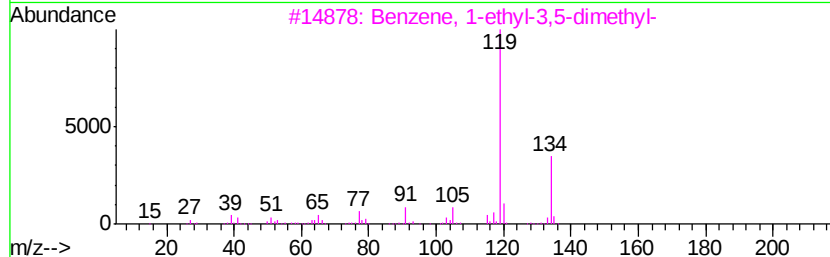
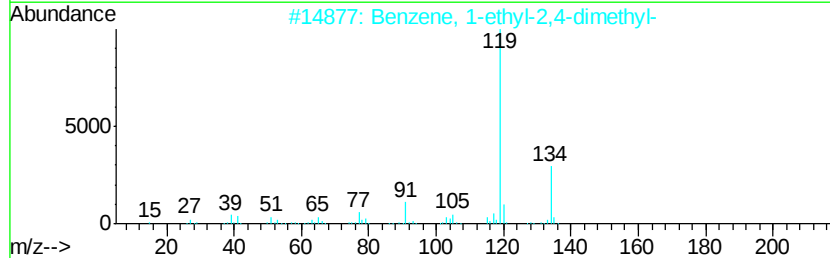
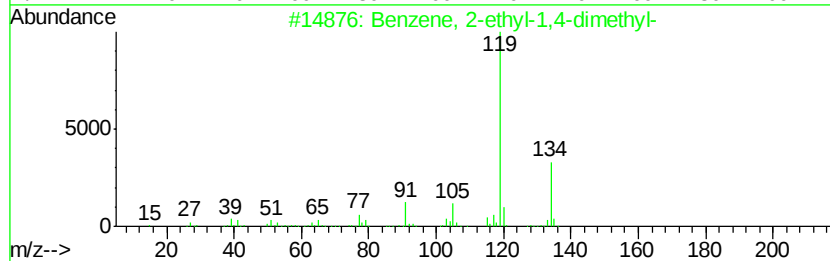
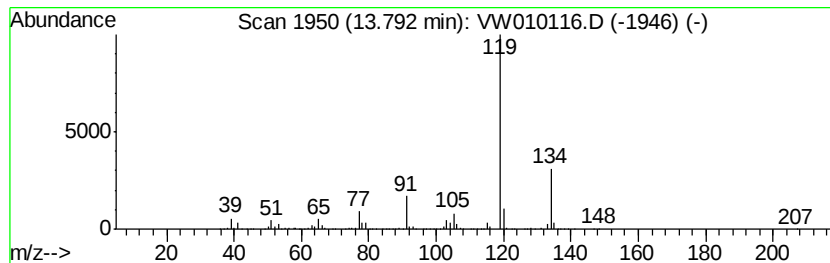
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Quant Title : VOC Analysis

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

Peak Number 14 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	62.95 ug/L	1388400	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	93
2		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
3		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
4		o-Cymene	134	C10H14	000527-84-4	91
5		o-Cymene	134	C10H14	000527-84-4	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010116.D
Acq On : 24 Apr 2019 17:44
Operator : SY/VA
Sample : K2481-07RE
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHW2RE

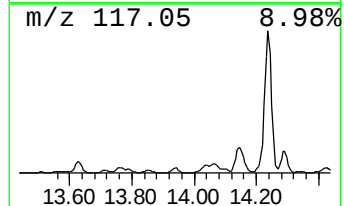
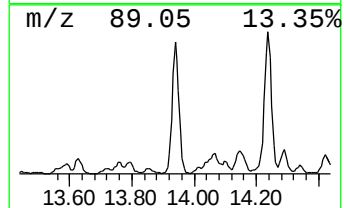
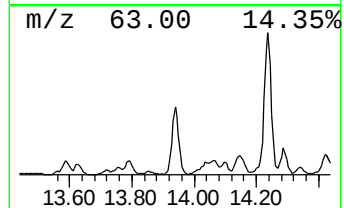
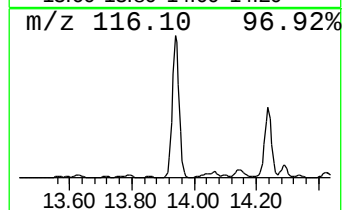
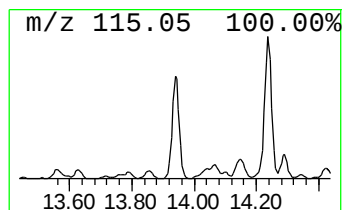
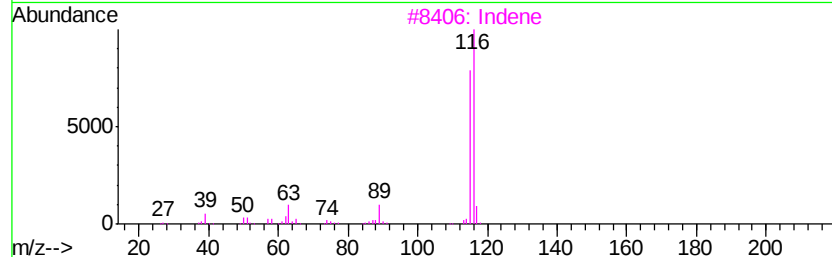
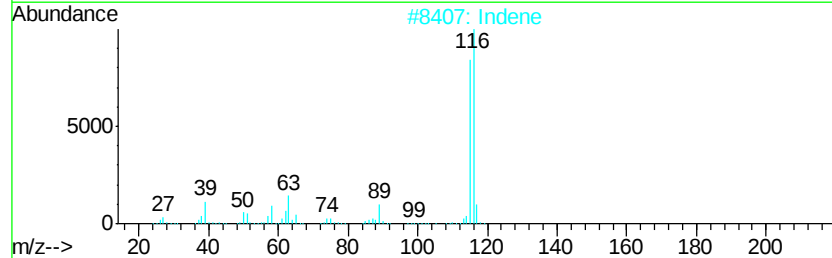
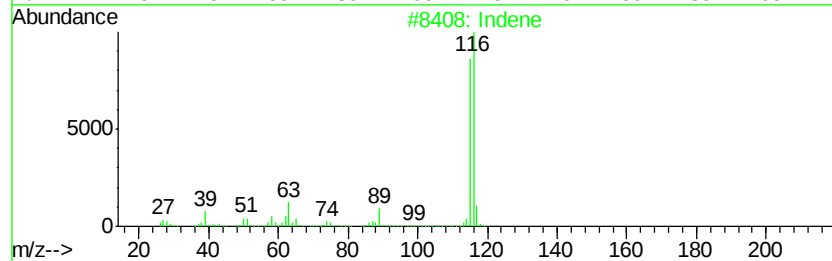
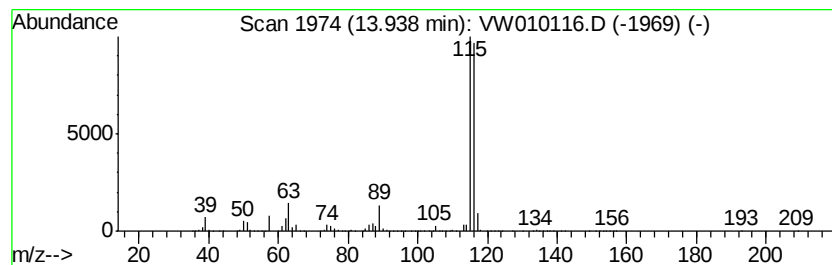
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Quant Title : VOC Analysis

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

Peak Number 15 Indene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	101.05 ug/L	2228540	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indene	116	C9H8	000095-13-6	96
2		Indene	116	C9H8	000095-13-6	95
3		Indene	116	C9H8	000095-13-6	95
4		Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91
5		2-Methylphenylacetylene	116	C9H8	000766-47-2	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010116.D
Acq On : 24 Apr 2019 17:44
Operator : SY/VA
Sample : K2481-07RE
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHW2RE

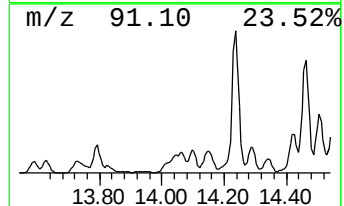
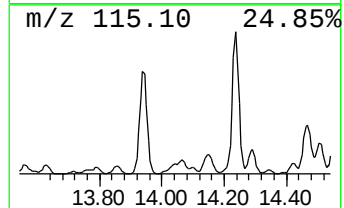
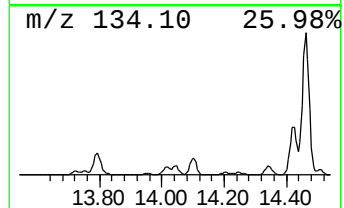
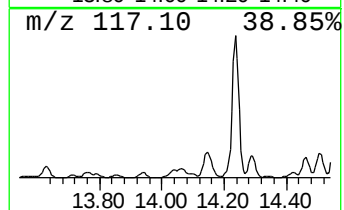
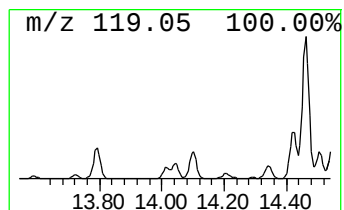
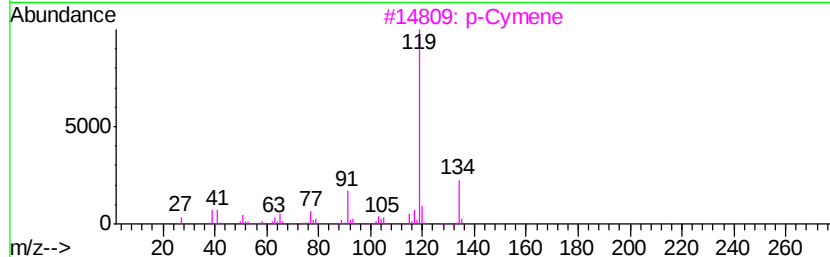
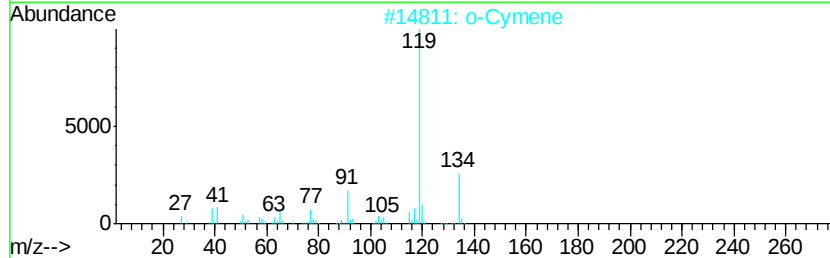
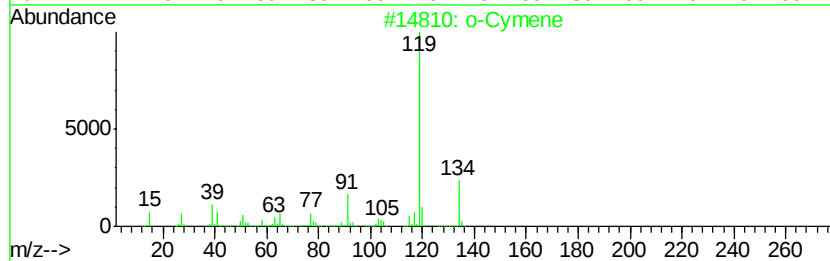
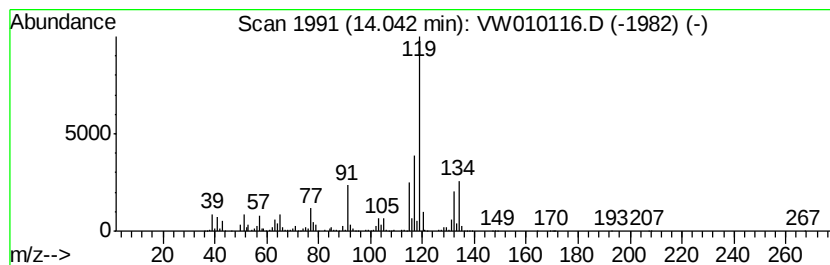
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Quant Title : VOC Analysis

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

Peak Number 16 o-Cymene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	75.29 ug/L	1660610	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	60
2		o-Cymene	134	C10H14	000527-84-4	60
3		p-Cymene	134	C10H14	000099-87-6	60
4		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	60
5		p-Cymene	134	C10H14	000099-87-6	60



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010116.D
Acq On : 24 Apr 2019 17:44
Operator : SY/VA
Sample : K2481-07RE
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHW2RE

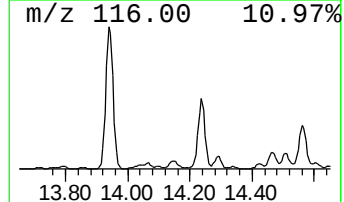
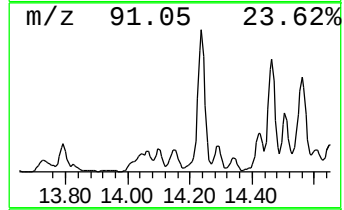
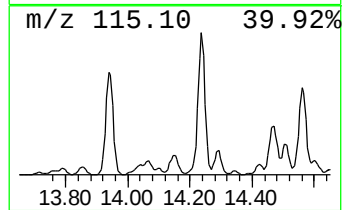
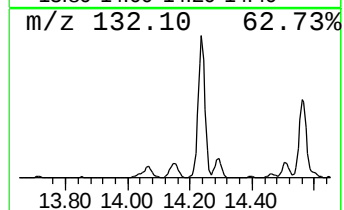
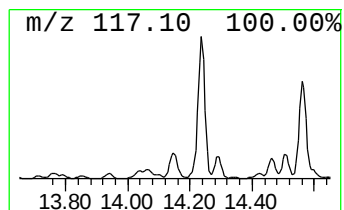
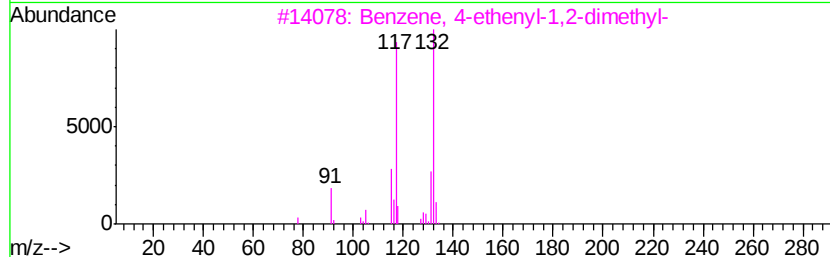
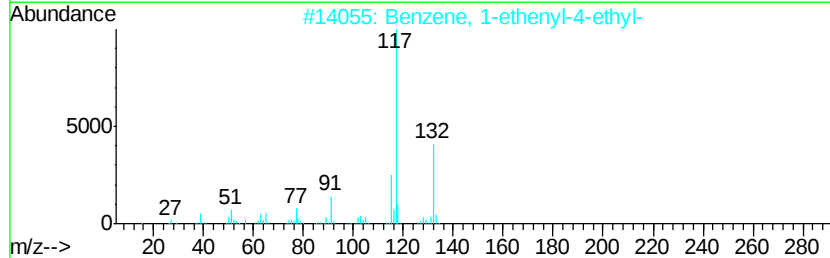
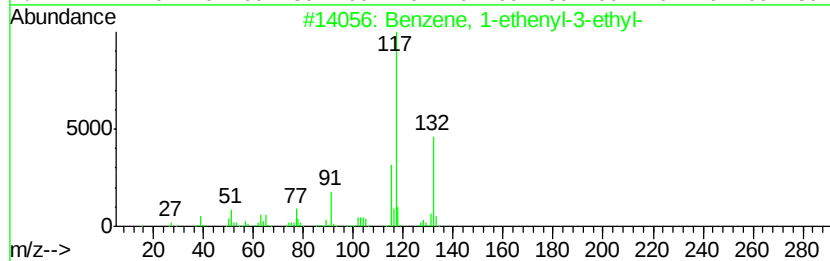
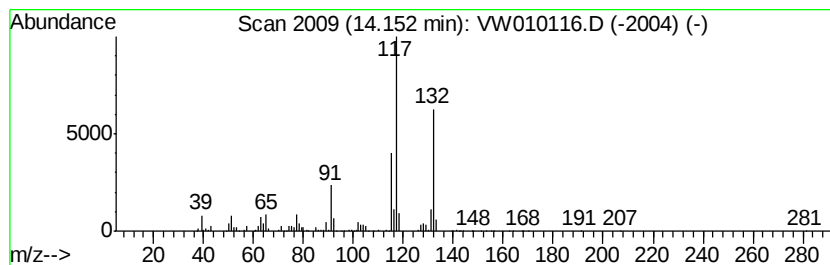
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Quant Title : VOC Analysis

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

Peak Number 18 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.15	64.04 ug/L	1412400	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	96
2		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
3		Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	91
4		Benzene, 2-butenyl-	132	C10H12	001560-06-1	91
5		Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010116.D
Acq On : 24 Apr 2019 17:44
Operator : SY/VA
Sample : K2481-07RE
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHW2RE

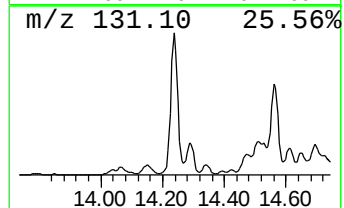
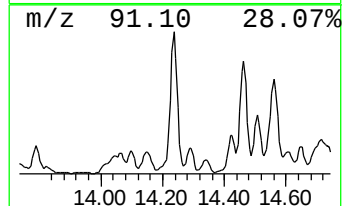
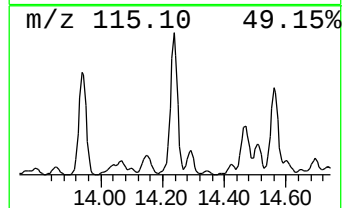
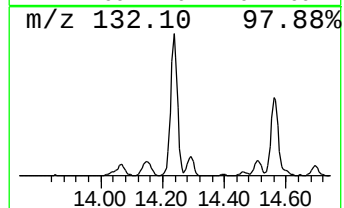
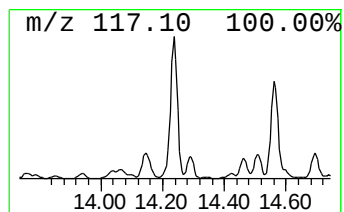
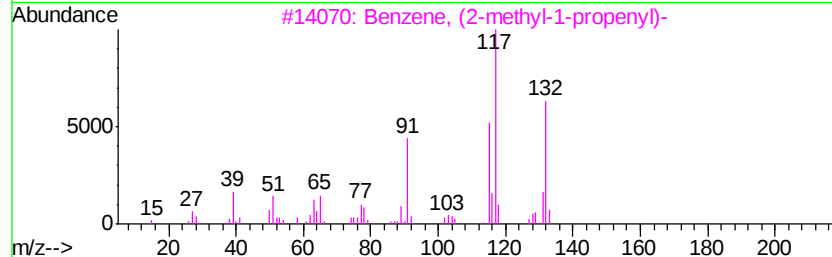
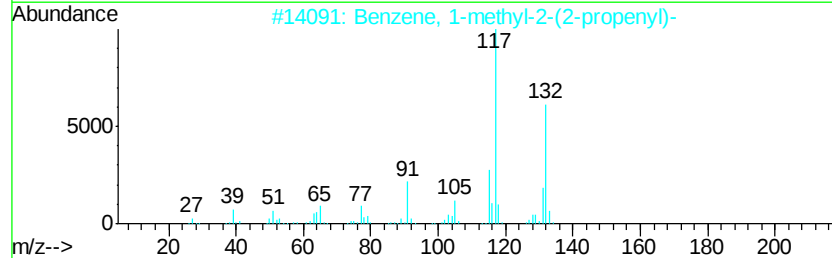
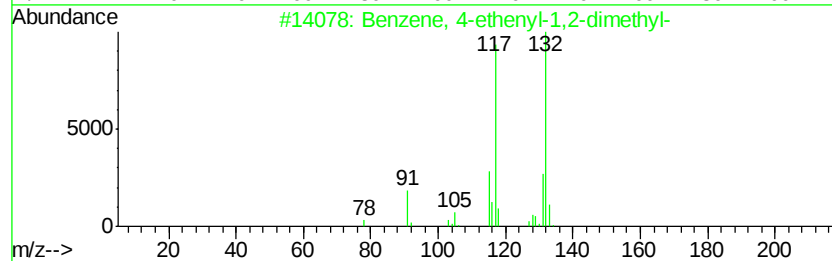
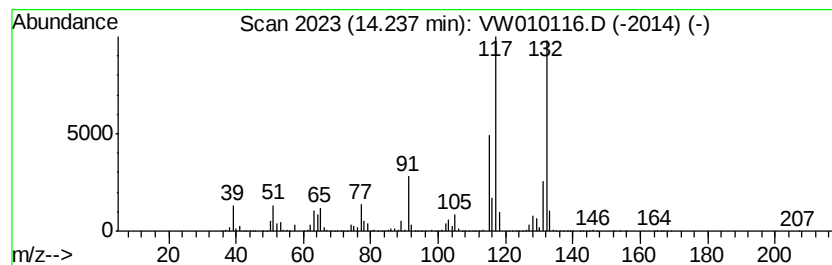
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Quant Title : VOC Analysis

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

Peak Number 19 Benzene, 4-ethenyl-1,2-dime... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.24	451.60 ug/L	9960080	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	95
2		Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	95
3		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	95
4		Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	94
5		Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010116.D
Acq On : 24 Apr 2019 17:44
Operator : SY/VA
Sample : K2481-07RE
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHW2RE

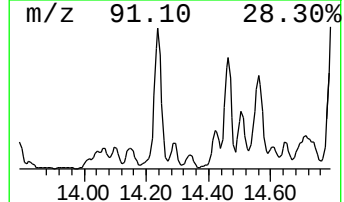
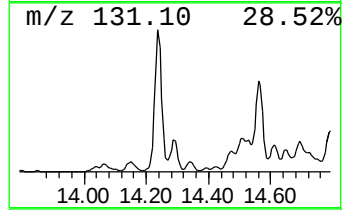
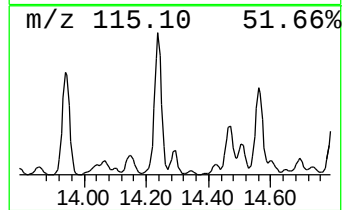
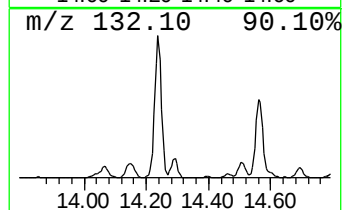
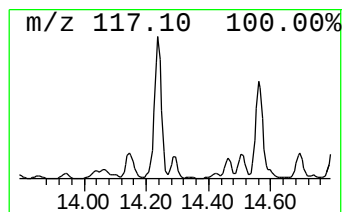
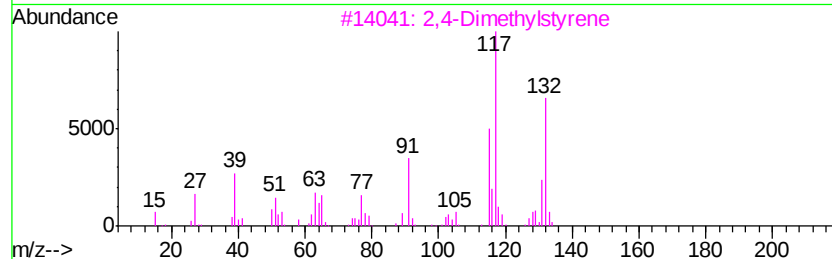
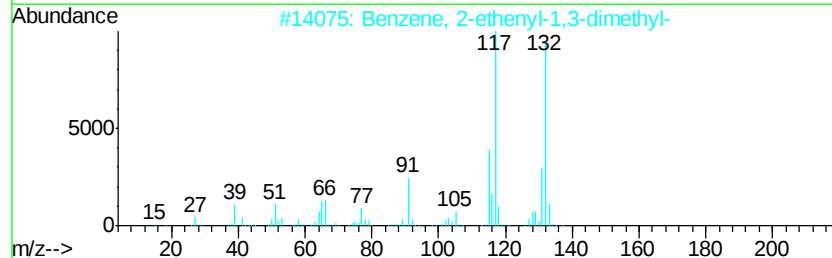
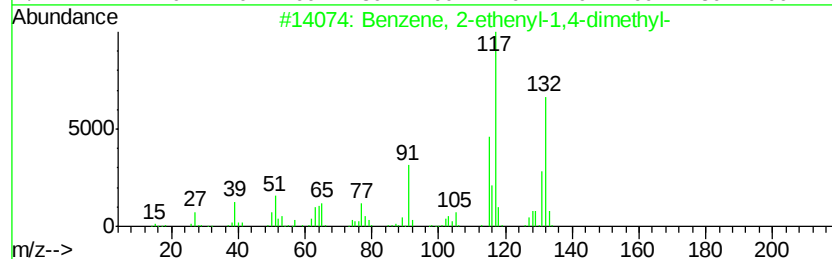
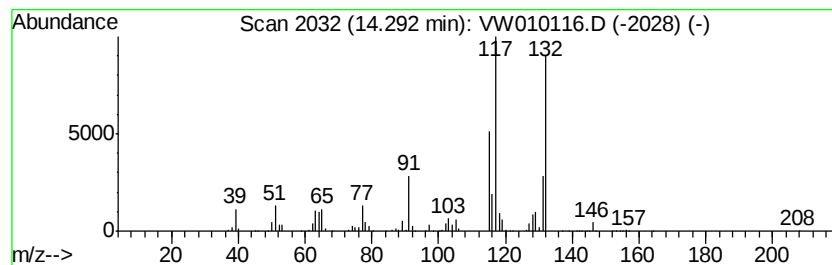
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Quant Title : VOC Analysis

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

Peak Number 20 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	59.86 ug/L	1320290	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	97
2		Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	97
3		2,4-Dimethylstyrene	132	C10H12	002234-20-0	96
4		Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	94
5		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010116.D
Acq On : 24 Apr 2019 17:44
Operator : SY/VA
Sample : K2481-07RE
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHW2RE

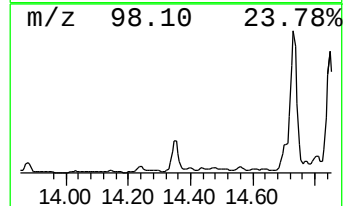
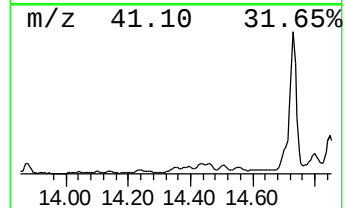
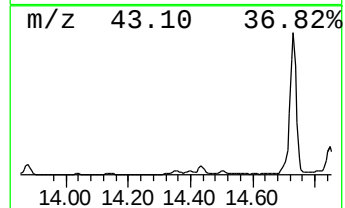
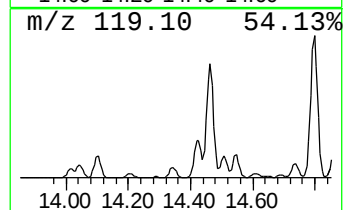
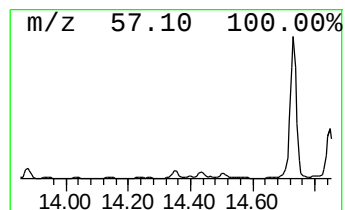
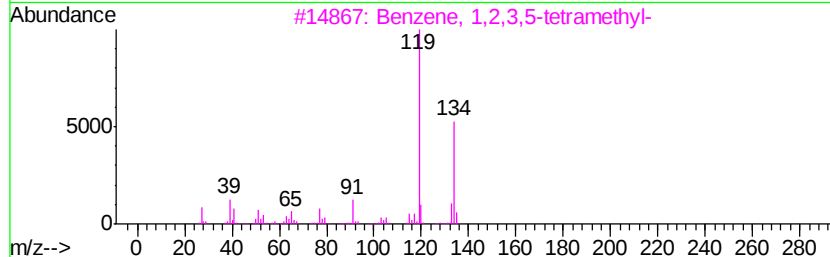
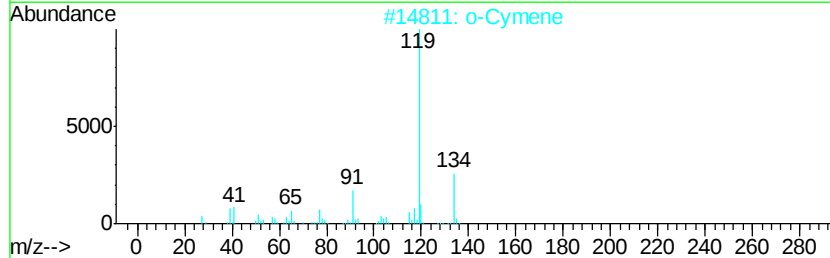
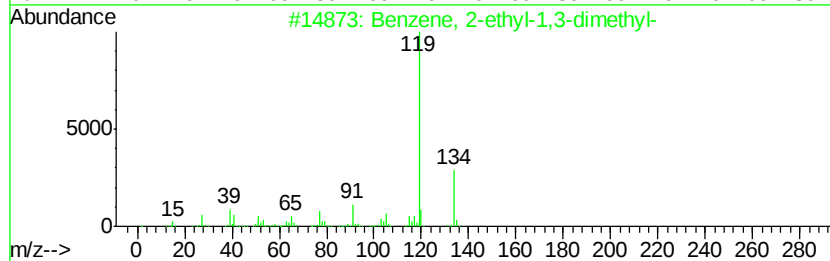
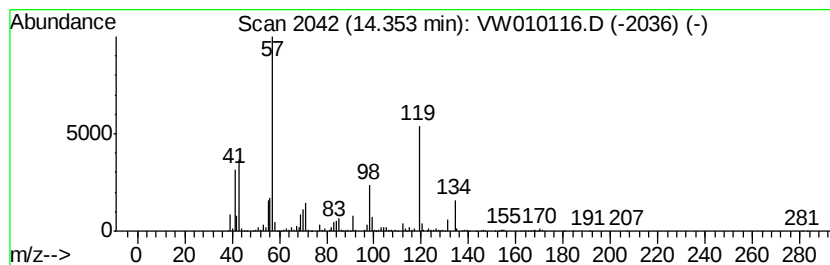
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Quant Title : VOC Analysis

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

Peak Number 21 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.35	65.70 ug/L	1449000	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91
2		o-Cymene	134	C10H14	000527-84-4	64
3		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	64
4		1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	64
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010116.D
Acq On : 24 Apr 2019 17:44
Operator : SY/VA
Sample : K2481-07RE
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHW2RE

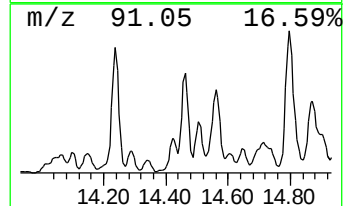
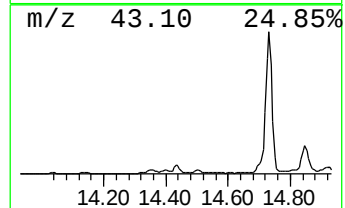
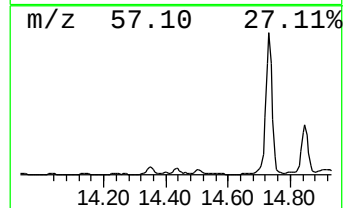
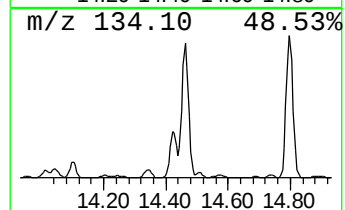
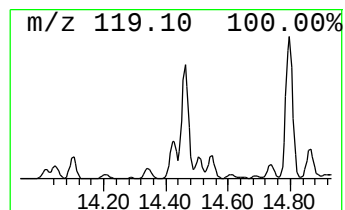
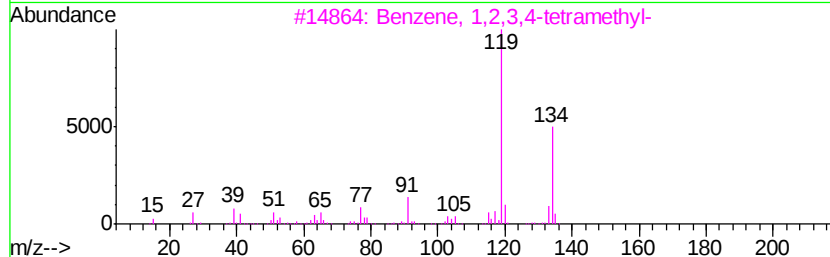
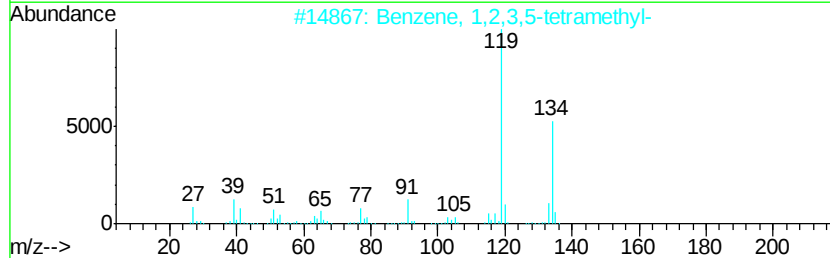
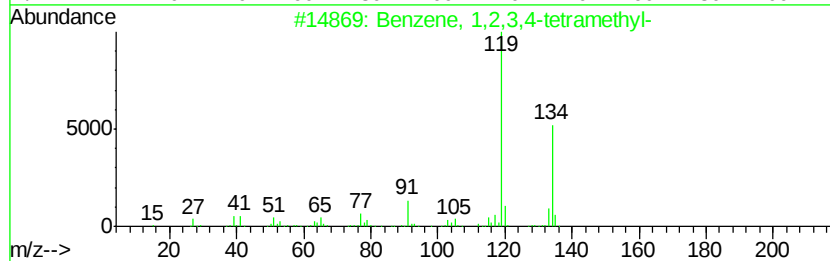
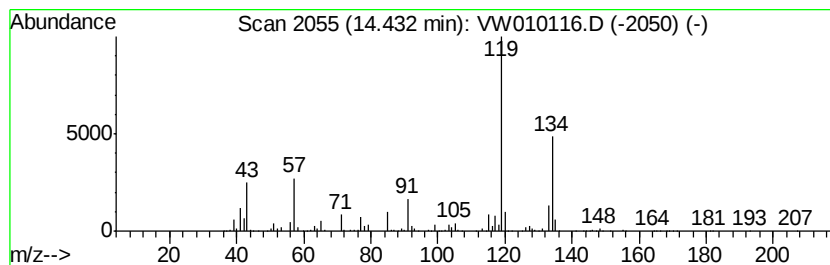
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Quant Title : VOC Analysis

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

Peak Number 22 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	95.56 ug/L	2107570	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	95
2		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
3		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
4		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
5		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010116.D
Acq On : 24 Apr 2019 17:44
Operator : SY/VA
Sample : K2481-07RE
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHW2RE

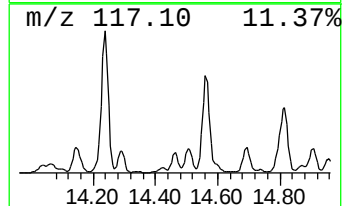
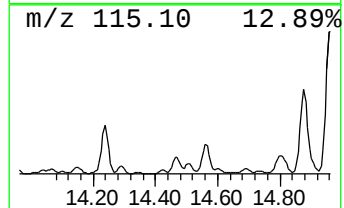
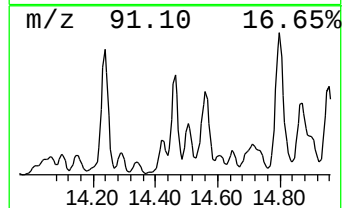
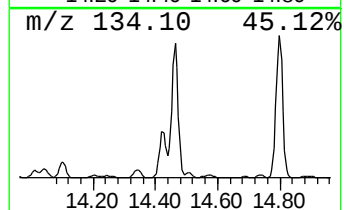
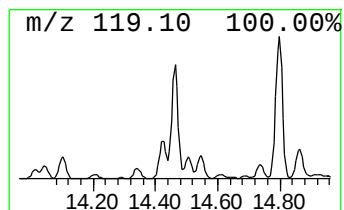
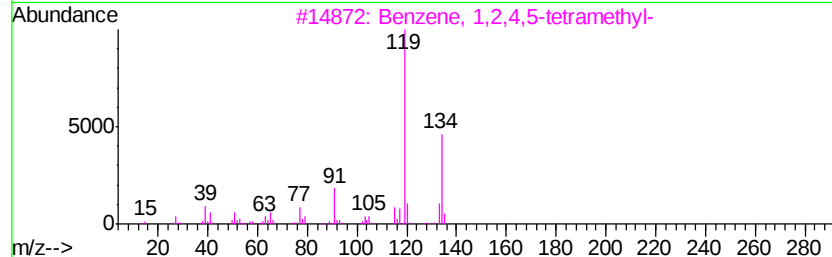
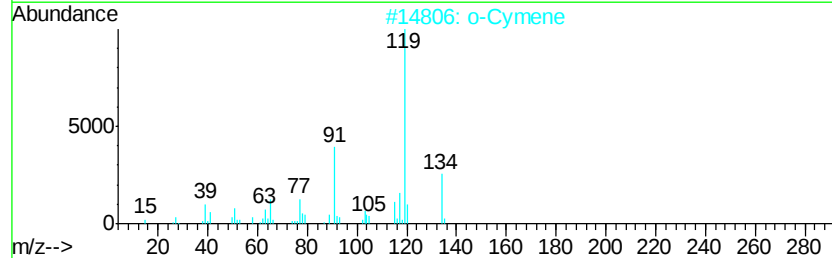
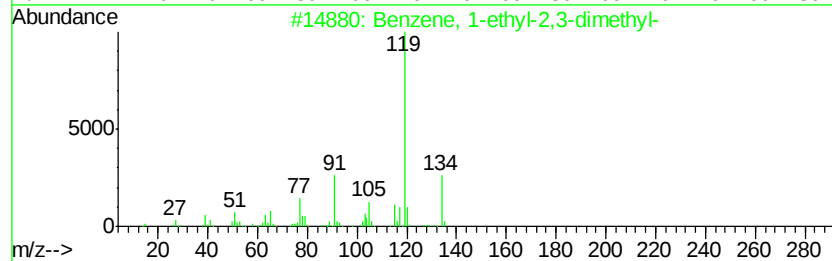
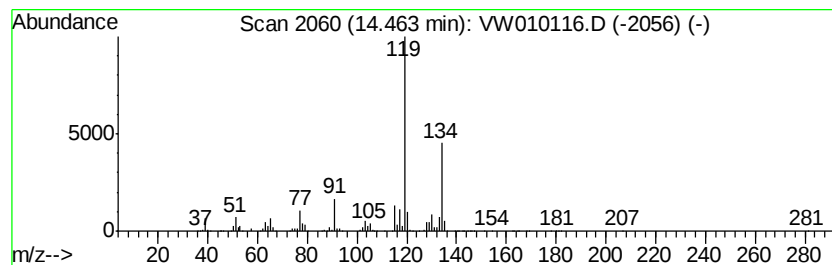
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Quant Title : VOC Analysis

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

Peak Number 23 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	333.61 ug/L	7357810	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	94
2		o-Cymene	134	C10H14	000527-84-4	94
3		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
4		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010116.D
Acq On : 24 Apr 2019 17:44
Operator : SY/VA
Sample : K2481-07RE
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHW2RE

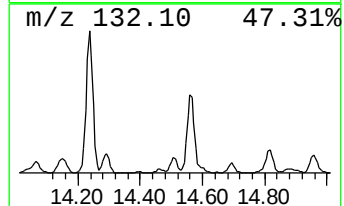
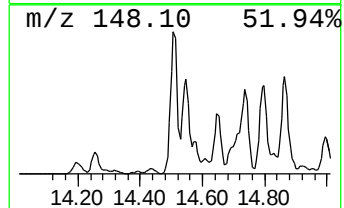
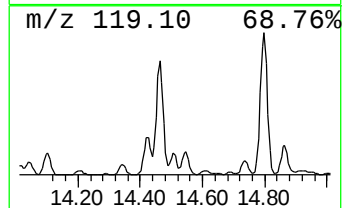
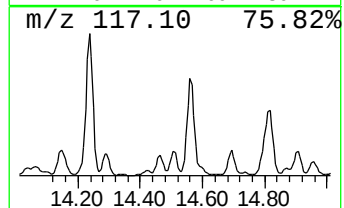
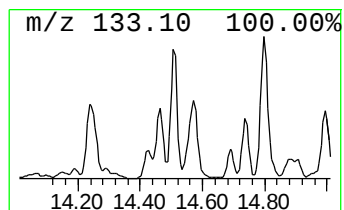
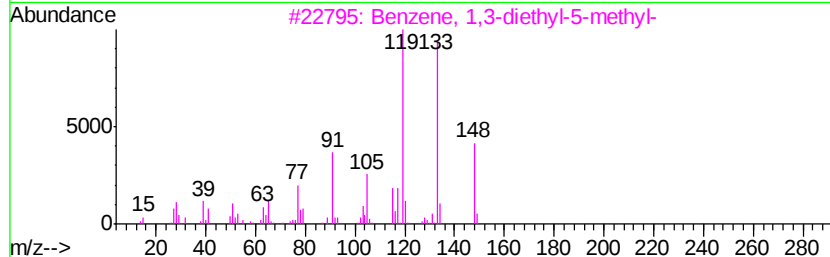
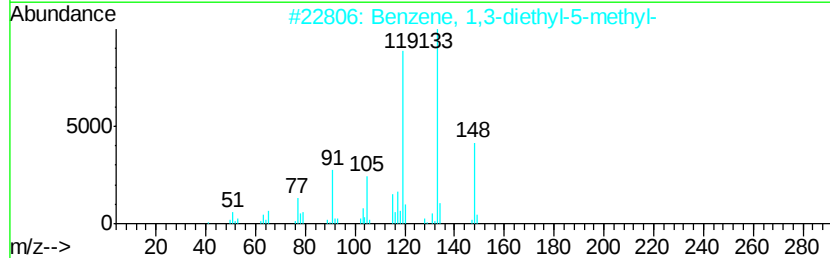
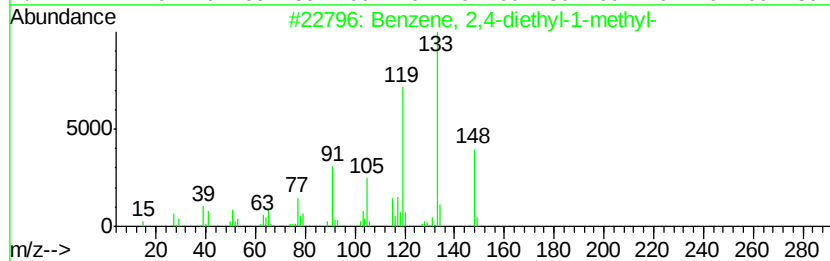
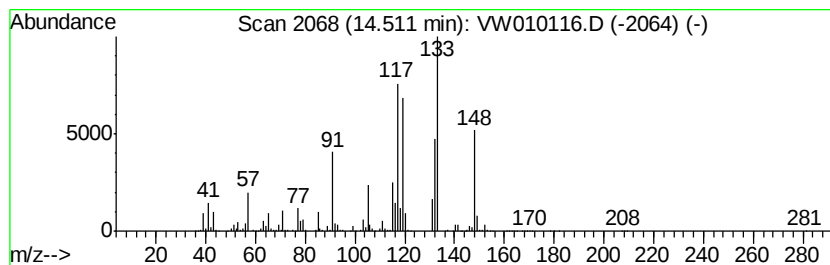
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Quant Title : VOC Analysis

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

Peak Number 24 Benzene, 2,4-diethyl-1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	122.87 ug/L	2709870	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	64
2		Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	64
3		Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	60
4		Benzene, 2-butenyl-	132	C10H12	001560-06-1	46
5		Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010116.D
Acq On : 24 Apr 2019 17:44
Operator : SY/VA
Sample : K2481-07RE
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHW2RE

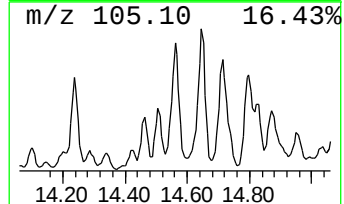
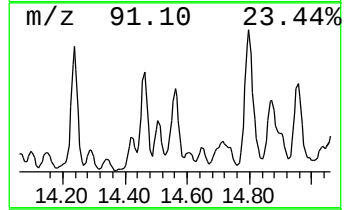
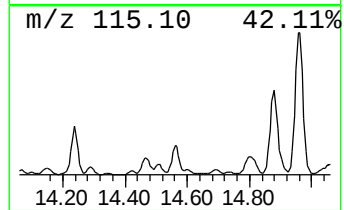
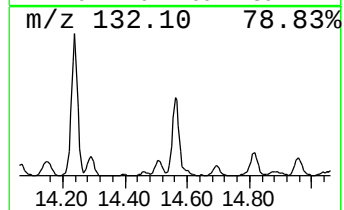
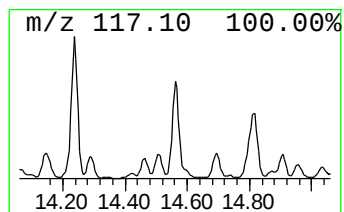
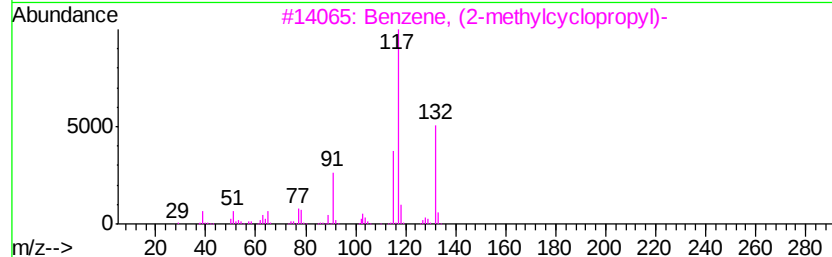
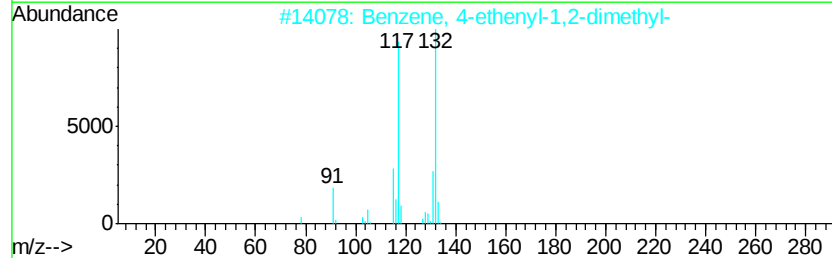
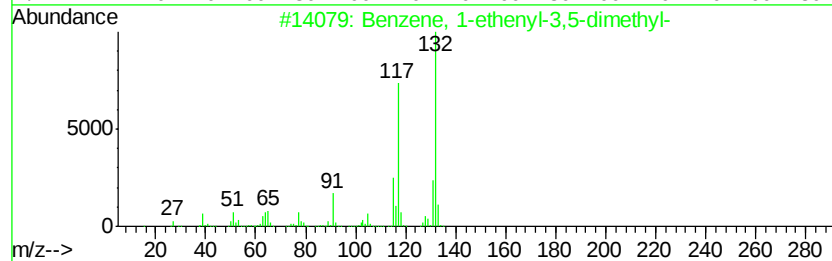
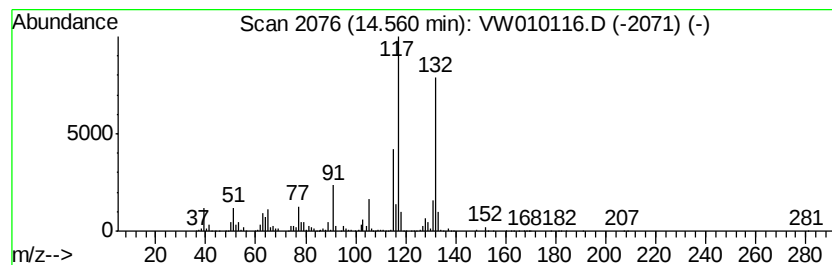
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Quant Title : VOC Analysis

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

Peak Number 25 Benzene, 1-ethenyl-3,5-dime... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	283.43 ug/L	6251130	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	96
2		Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	94
3		Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	94
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	94
5		Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010116.D
Acq On : 24 Apr 2019 17:44
Operator : SY/VA
Sample : K2481-07RE
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHW2RE

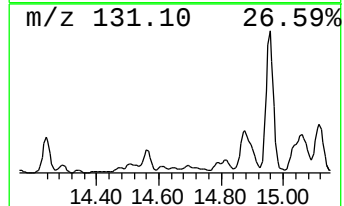
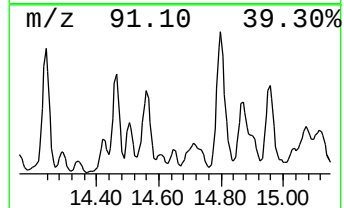
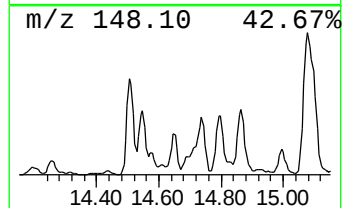
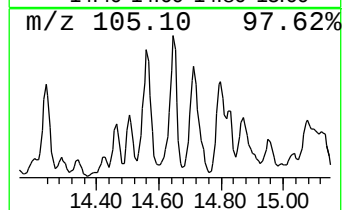
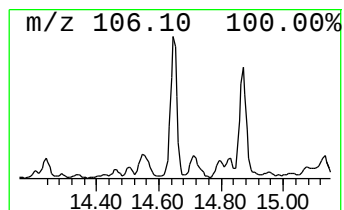
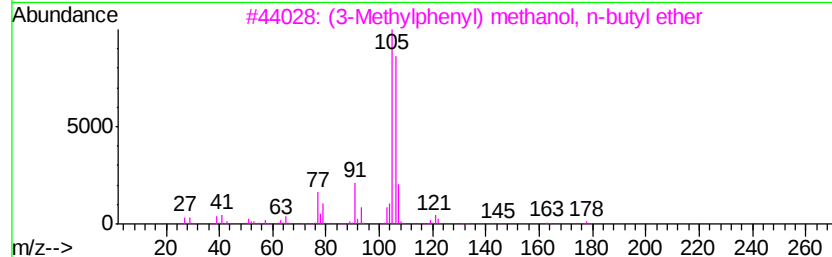
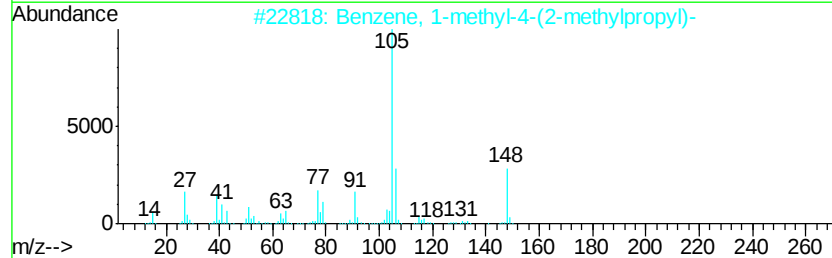
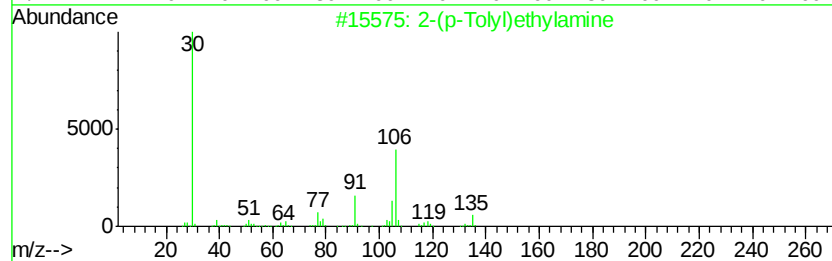
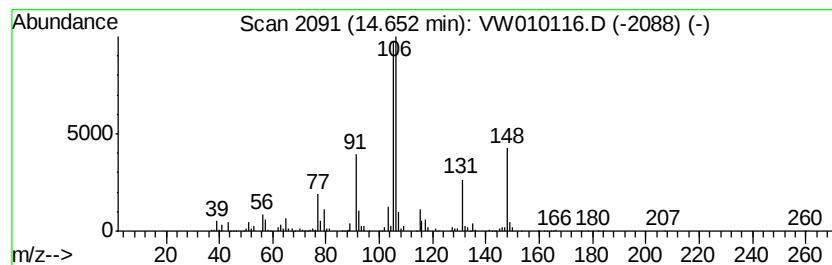
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Quant Title : VOC Analysis

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

Peak Number 26 unknown-01 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.65	26.19 ug/L	577717	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-(p-Tolyl)ethylamine	135	C9H13N	003261-62-9	47
2		Benzene, 1-methyl-4-(2-methylpro...	148	C11H16	005161-04-6	43
3		(3-Methylphenyl) methanol, n-but...	178	C12H18O	1000374-44-2	43
4		4-Methylphenyl acetone	148	C10H12O	002096-86-8	41
5		Benzene, 1-methoxy-2-(1-methylet...	148	C10H12O	010278-02-1	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010116.D
Acq On : 24 Apr 2019 17:44
Operator : SY/VA
Sample : K2481-07RE
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHW2RE

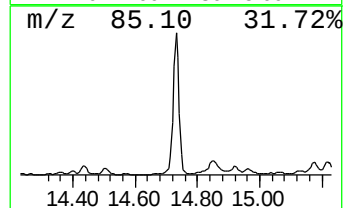
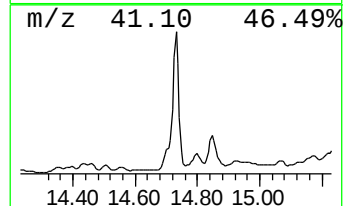
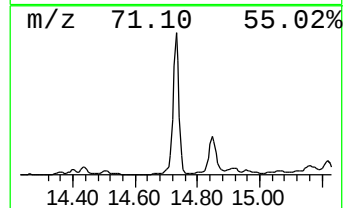
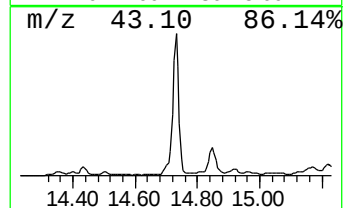
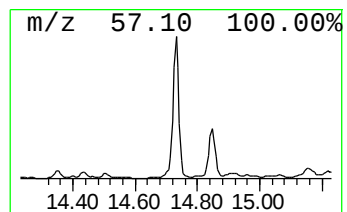
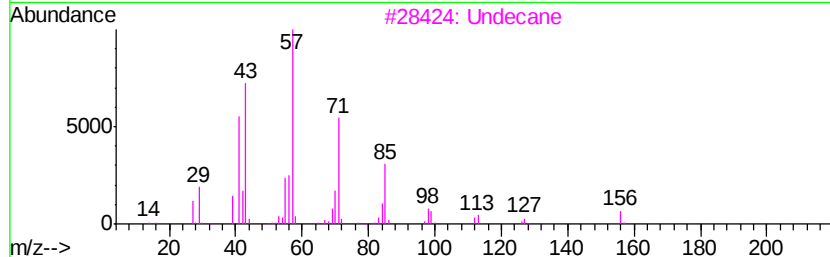
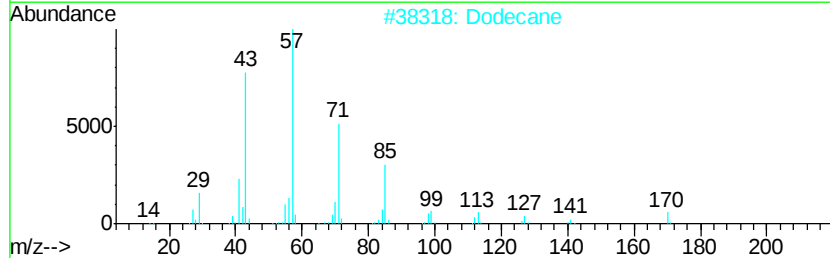
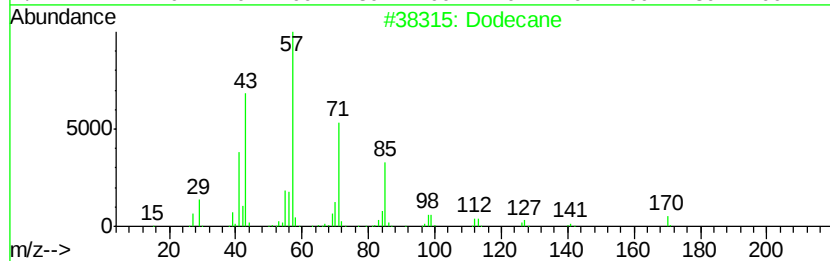
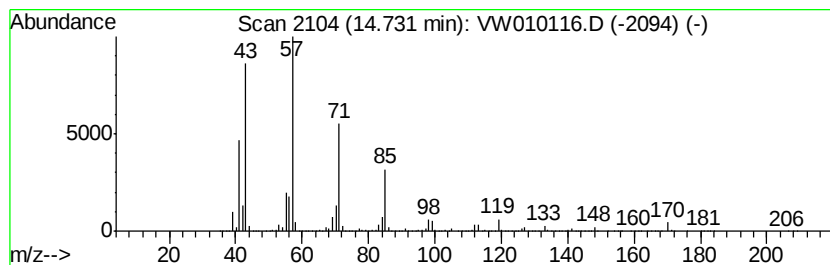
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Quant Title : VOC Analysis

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

Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	1012.24 ug/L	22325000	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane	170	C12H26	000112-40-3	96
2		Dodecane	170	C12H26	000112-40-3	91
3		Undecane	156	C11H24	001120-21-4	90
4		Tetradecane	198	C14H30	000629-59-4	86
5		Tridecane	184	C13H28	000629-50-5	86



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010116.D
Acq On : 24 Apr 2019 17:44
Operator : SY/VA
Sample : K2481-07RE
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHW2RE

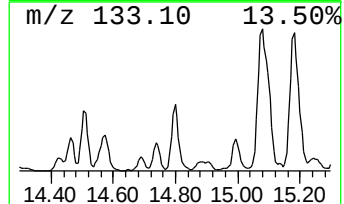
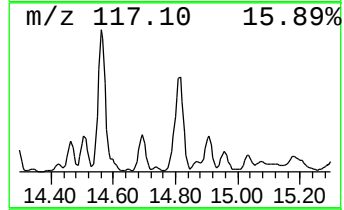
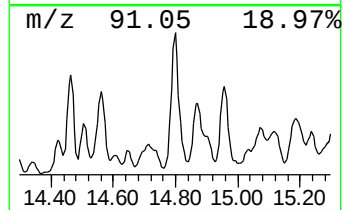
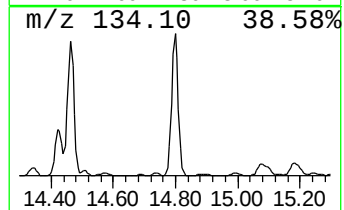
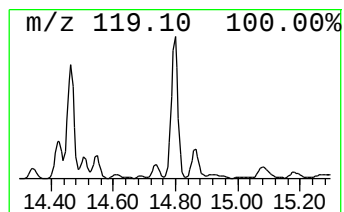
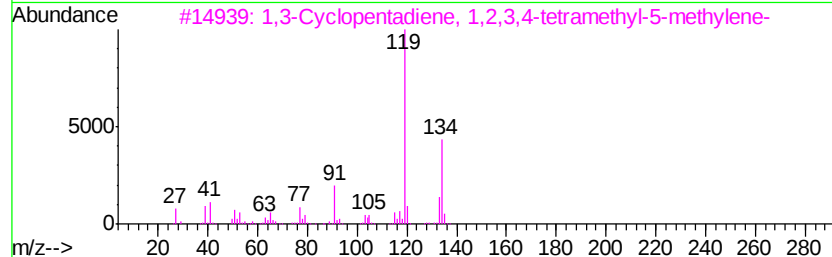
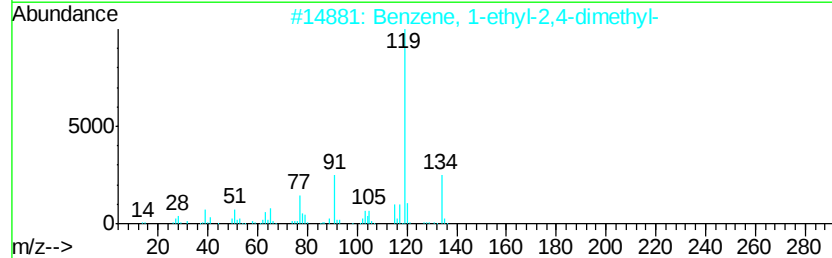
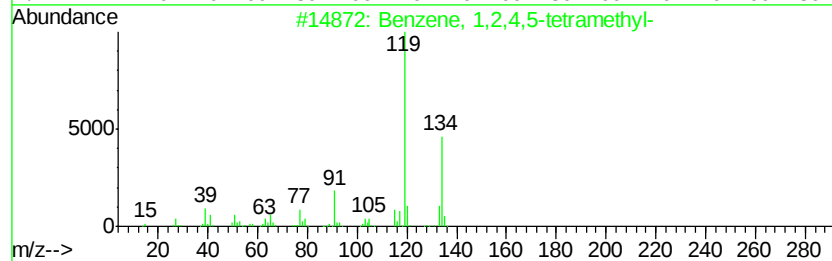
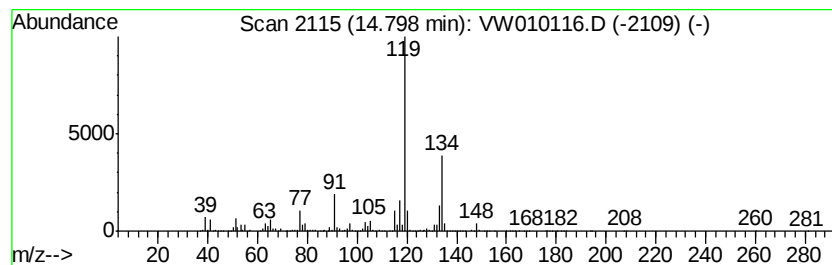
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Quant Title : VOC Analysis

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

Peak Number 28 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	586.63 ug/L	12938100	1,4-Dichlorobenzene-d4	13.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
3		1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	93
4		o-Cymene	134	C10H14	000527-84-4	93
5		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010116.D
Acq On : 24 Apr 2019 17:44
Operator : SY/VA
Sample : K2481-07RE
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHW2RE

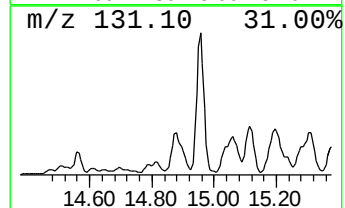
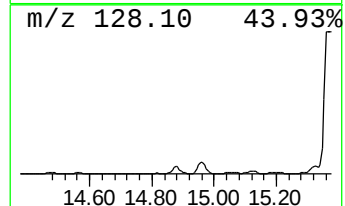
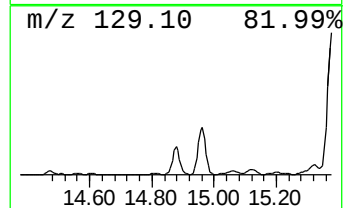
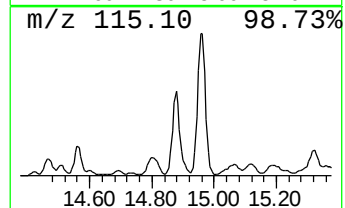
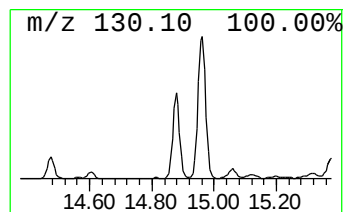
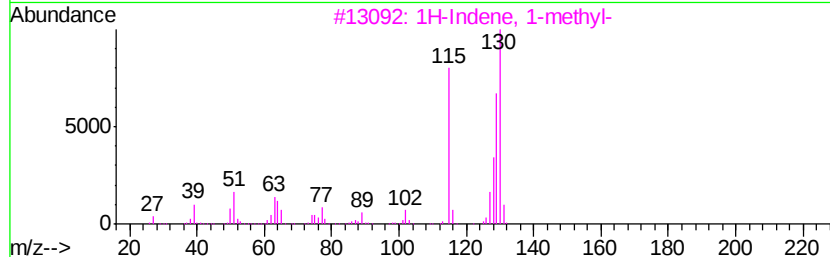
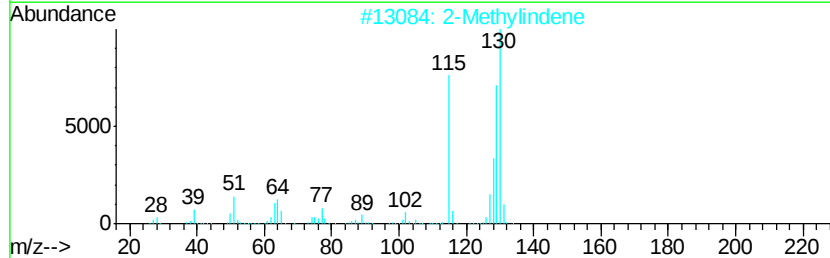
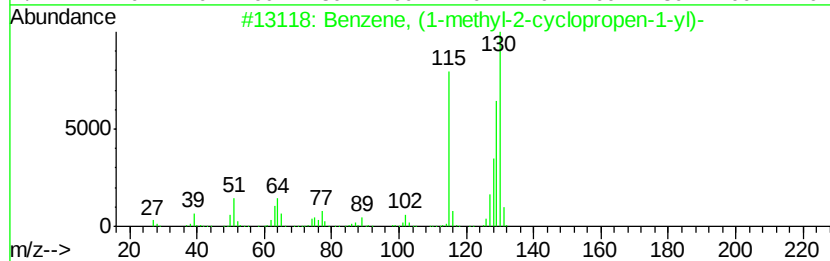
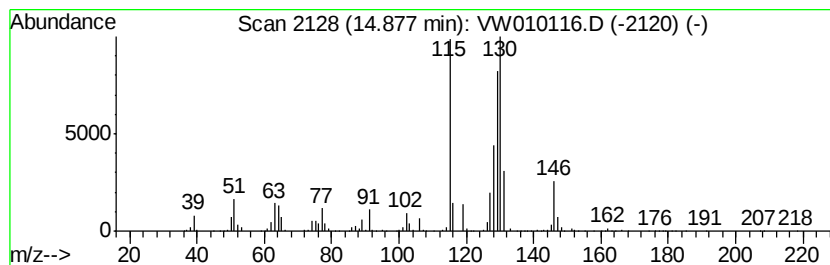
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Quant Title : VOC Analysis

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

Peak Number 29 Benzene, (1-methyl-2-cyclop... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	860.47 ug/L	18977800	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		2-Methylindene	130	C10H10	002177-47-1	95
3		1H-Indene, 1-methyl-	130	C10H10	000767-59-9	95
4		Benzene, 1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	94
5		1H-Indene, 3-methyl-	130	C10H10	000767-60-2	89



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010116.D
Acq On : 24 Apr 2019 17:44
Operator : SY/VA
Sample : K2481-07RE
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHW2RE

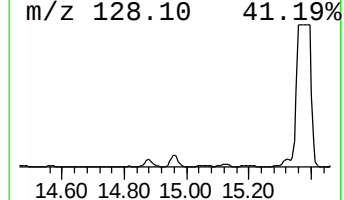
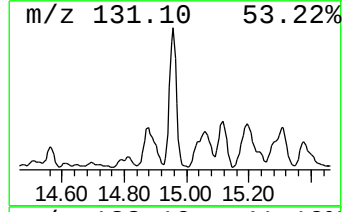
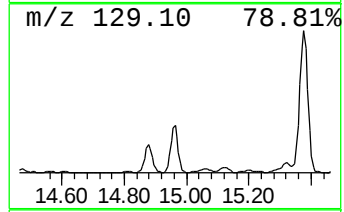
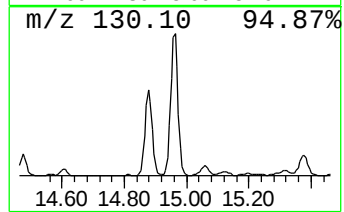
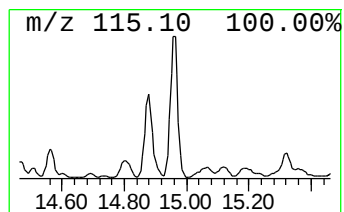
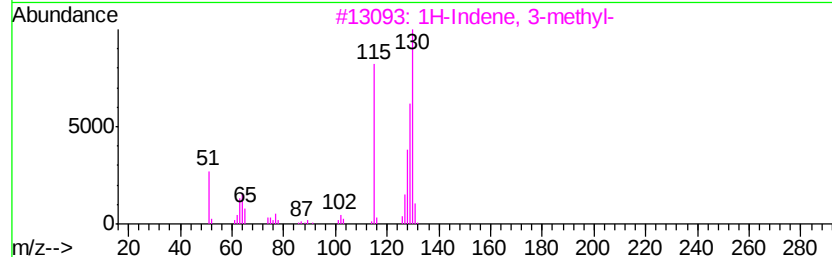
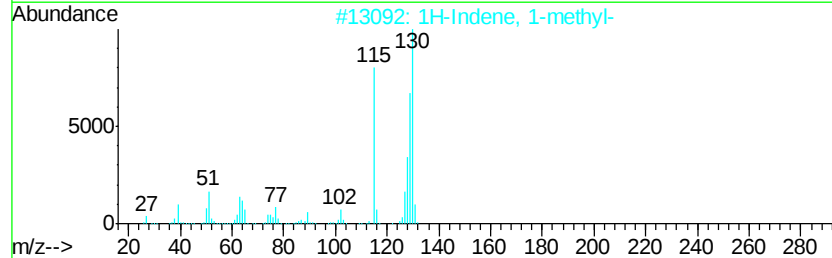
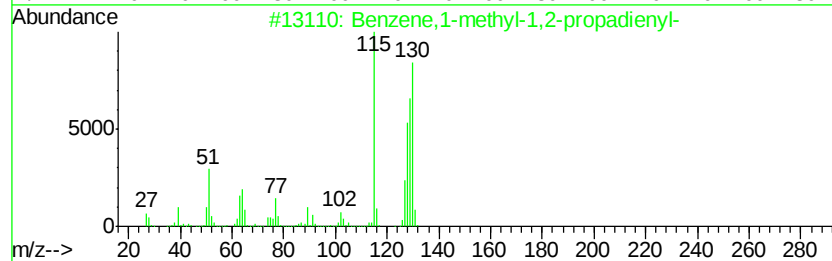
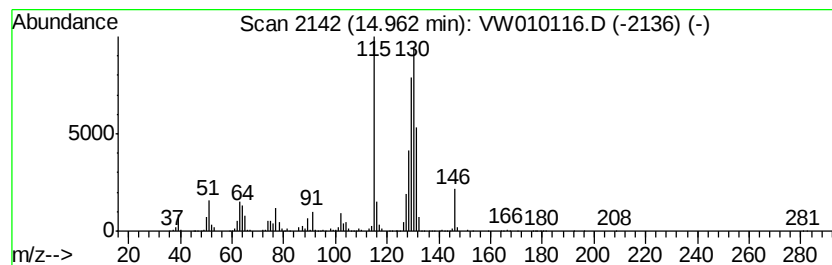
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Quant Title : VOC Analysis

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	903.37 ug/L	19923700	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	94
2		1H-Indene, 1-methyl-	130	C10H10	000767-59-9	93
3		1H-Indene, 3-methyl-	130	C10H10	000767-60-2	93
4		2-Methylindene	130	C10H10	002177-47-1	93
5		Benzene, 1-butynyl-	130	C10H10	000622-76-4	92



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010116.D
Acq On : 24 Apr 2019 17:44
Operator : SY/VA
Sample : K2481-07RE
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHW2RE

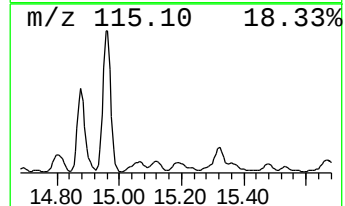
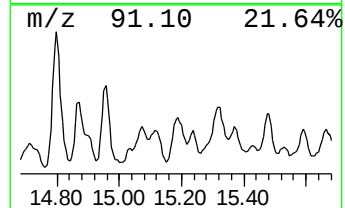
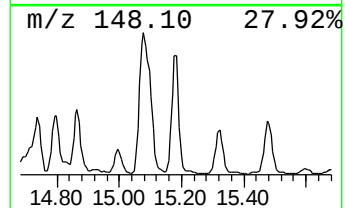
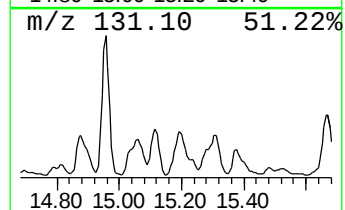
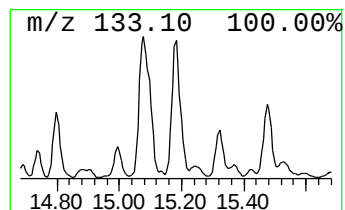
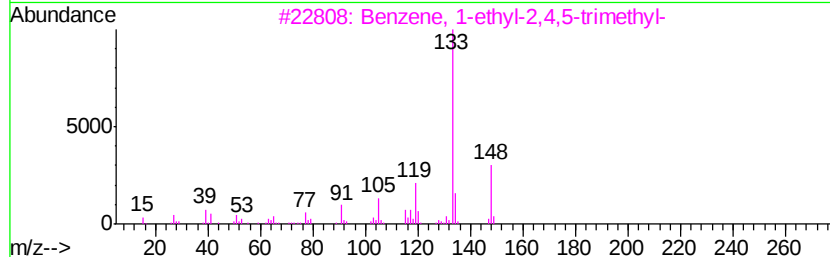
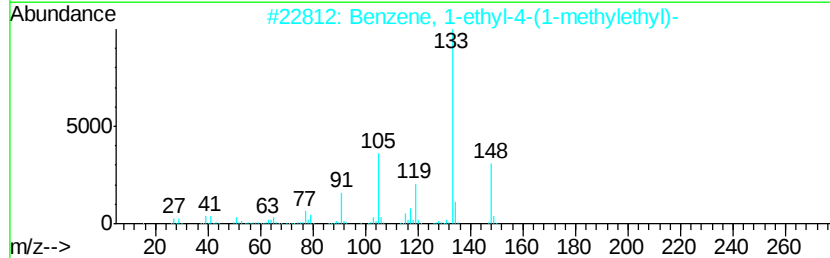
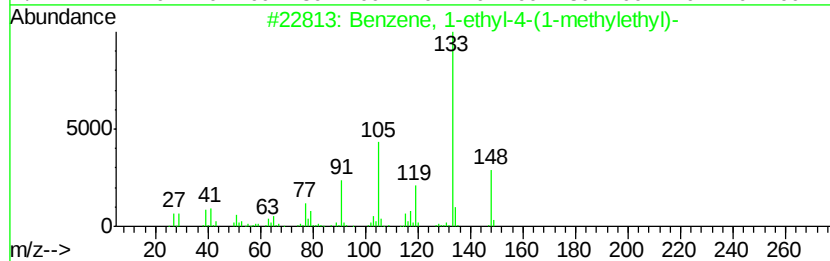
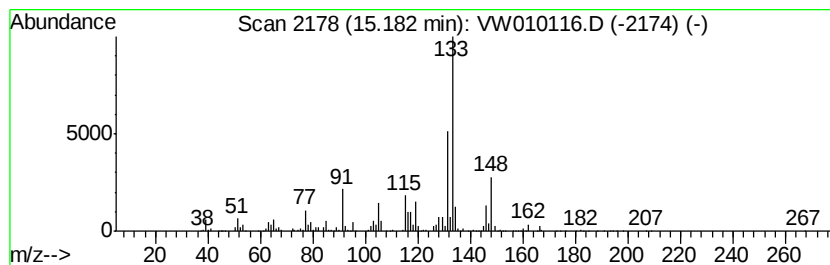
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Quant Title : VOC Analysis

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

Peak Number 31 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	248.46 ug/L	5479870	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	64
2		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	58
3		Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	58
4		Benzene, pentamethyl-	148	C11H16	000700-12-9	58
5		4-tert-Butyltoluene	148	C11H16	000098-51-1	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010116.D
Acq On : 24 Apr 2019 17:44
Operator : SY/VA
Sample : K2481-07RE
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHW2RE

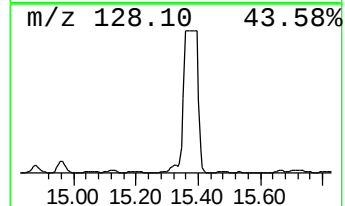
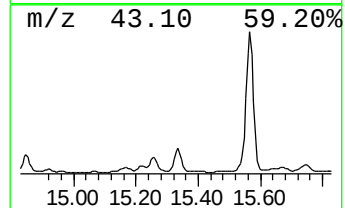
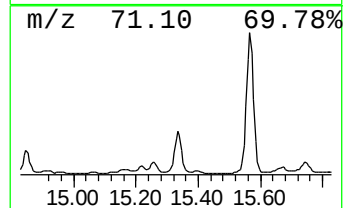
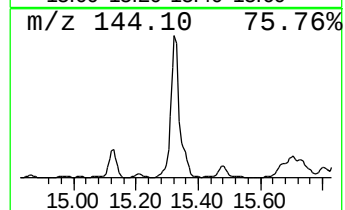
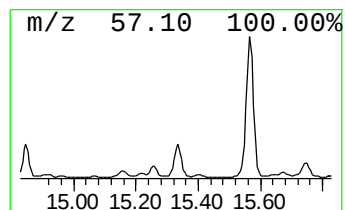
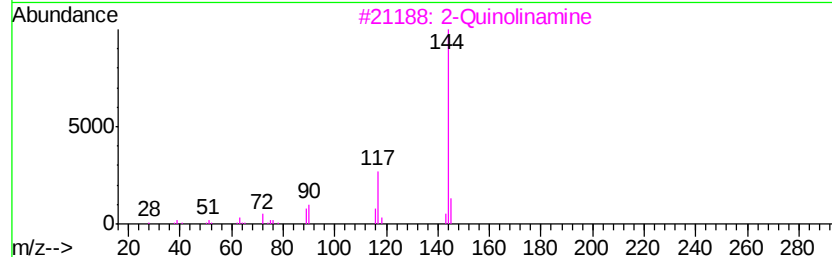
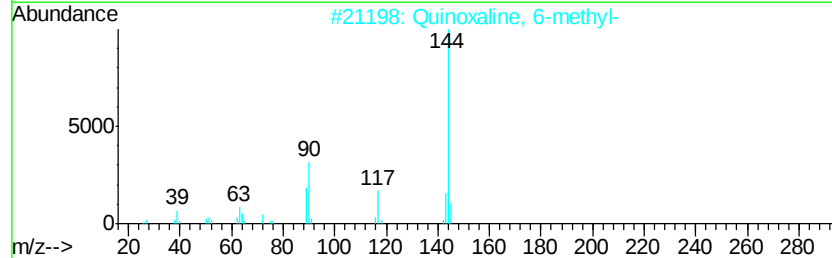
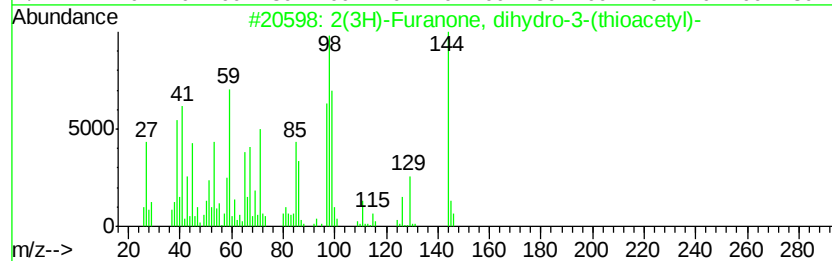
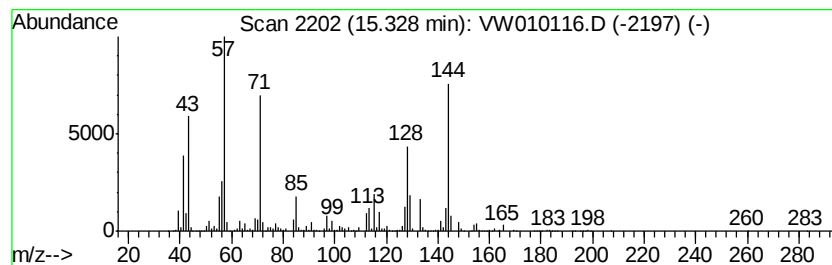
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Quant Title : VOC Analysis

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

Peak Number 32 unknown-02 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	448.73 ug/L	9896780	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2(3H)-Furanone, dihydro-3-(thioa...	144	C6H8O2S	020632-96-6	43
2		Quinoxaline, 6-methyl-	144	C9H8N2	006344-72-5	42
3		2-Quinolinamine	144	C9H8N2	000580-22-3	42
4		Quinoxaline, 5-methyl-	144	C9H8N2	013708-12-8	38
5		1H-Pyrazole, 3-phenyl-	144	C9H8N2	002458-26-6	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010116.D
Acq On : 24 Apr 2019 17:44
Operator : SY/VA
Sample : K2481-07RE
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHW2RE

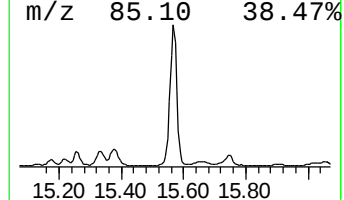
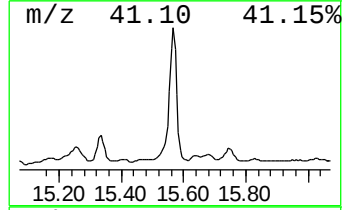
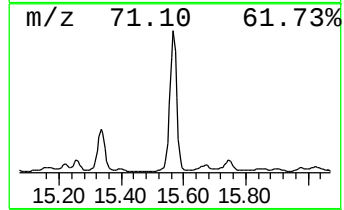
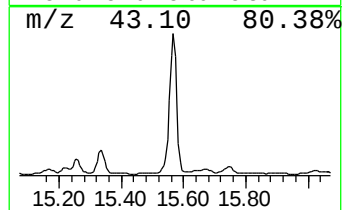
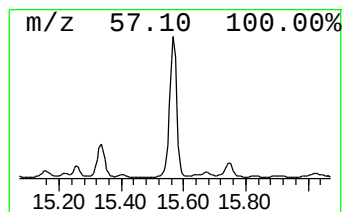
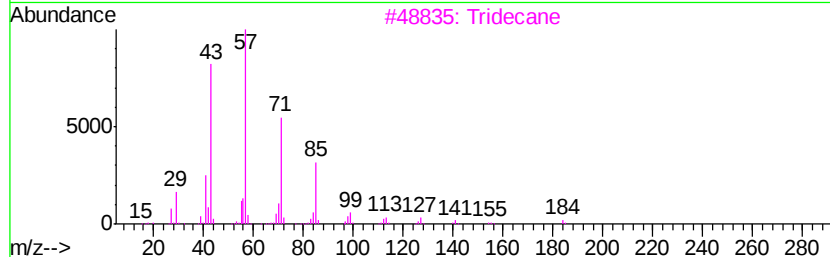
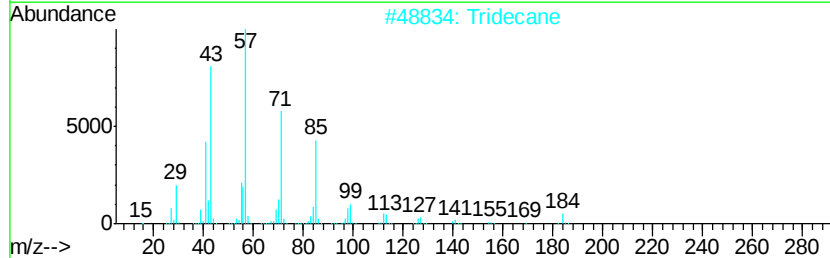
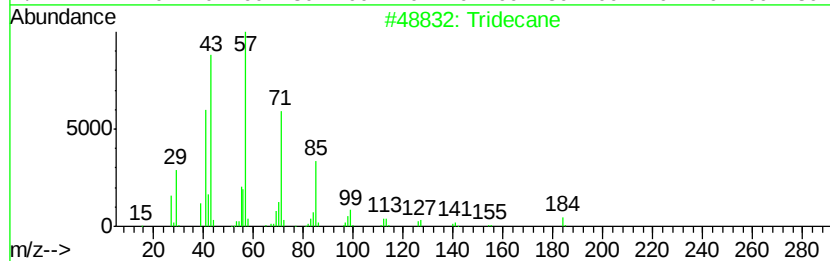
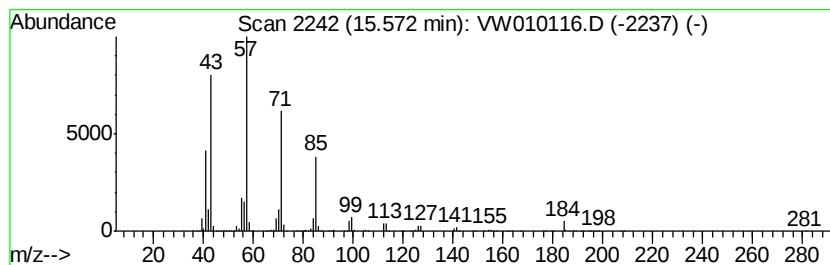
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Quant Title : VOC Analysis

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

Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	1376.58 ug/L	30360500	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane	184	C13H28	000629-50-5	96
2		Tridecane	184	C13H28	000629-50-5	93
3		Tridecane	184	C13H28	000629-50-5	93
4		Tridecane	184	C13H28	000629-50-5	91
5		Tetradecane	198	C14H30	000629-59-4	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010116.D
Acq On : 24 Apr 2019 17:44
Operator : SY/VA
Sample : K2481-07RE
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHW2RE

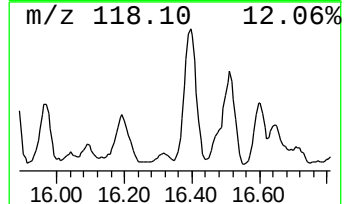
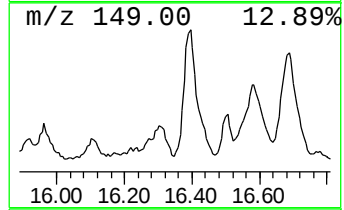
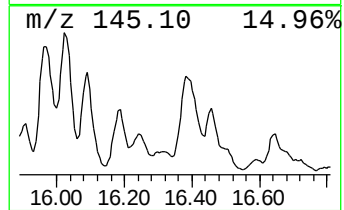
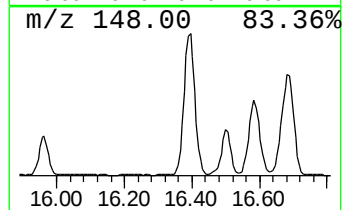
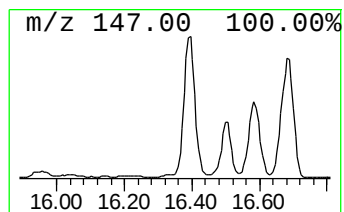
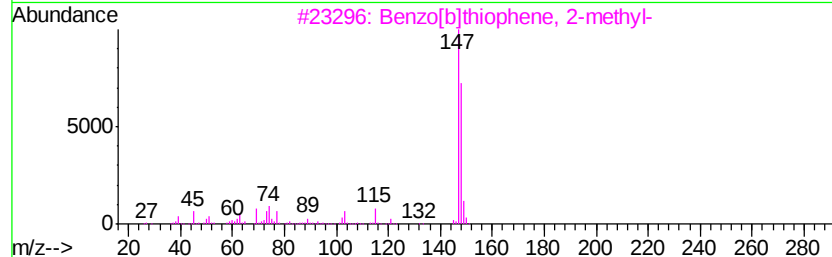
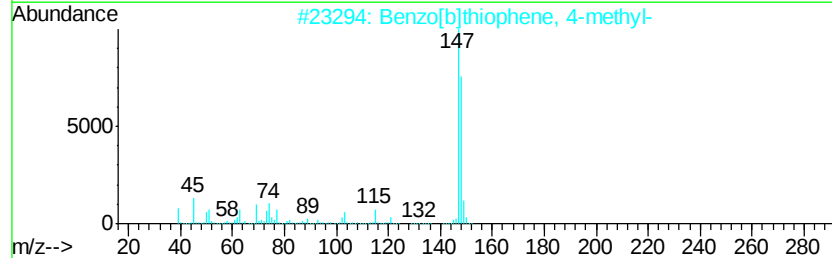
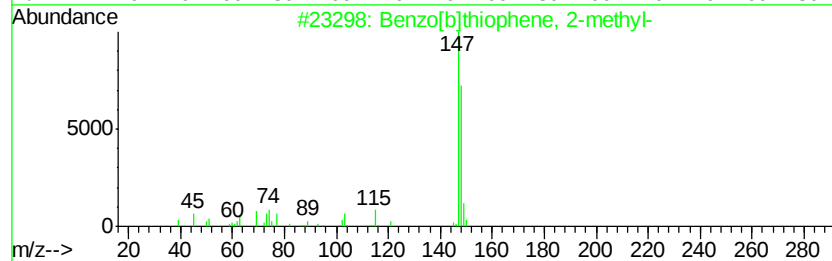
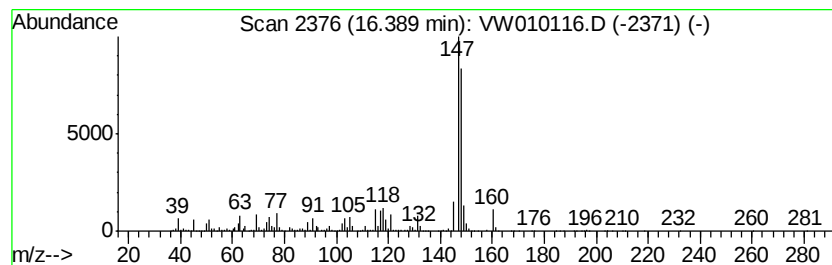
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Quant Title : VOC Analysis

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

Peak Number 35 Benzo[b]thiophene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.39	244.22 ug/L	5386220	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	81
2		Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	81
3		Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	81
4		3-Methylbenzothiophene	148	C9H8S	001455-18-1	81
5		Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	81



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010116.D
Acq On : 24 Apr 2019 17:44
Operator : SY/VA
Sample : K2481-07RE
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHW2RE

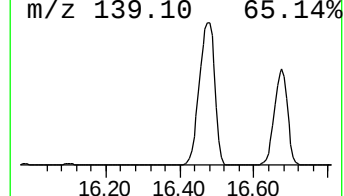
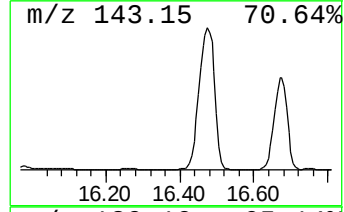
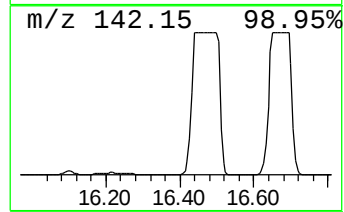
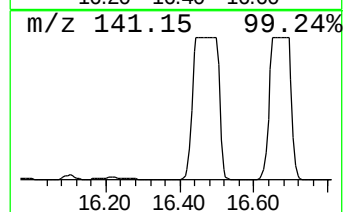
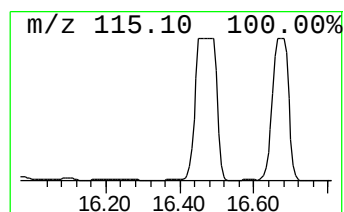
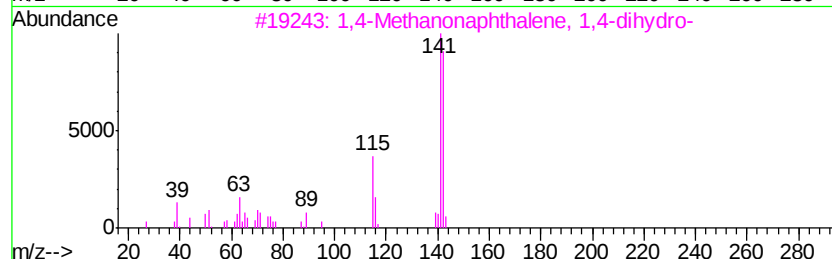
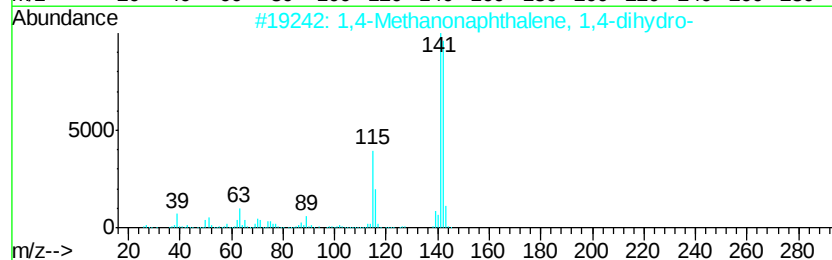
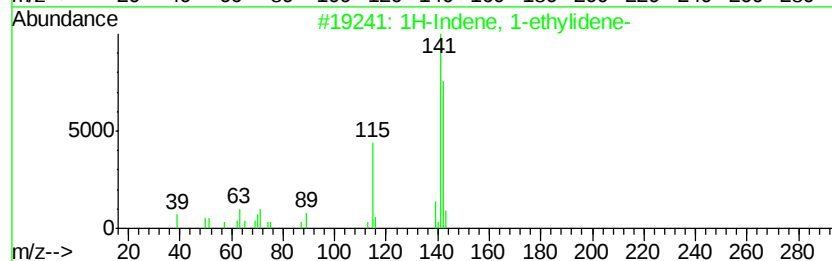
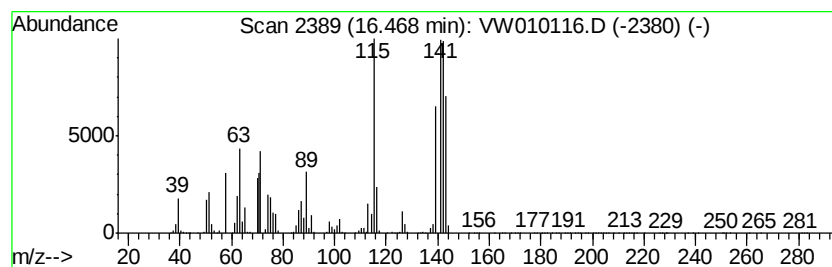
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Quant Title : VOC Analysis

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

Peak Number 36 1H-Indene, 1-ethylidene- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.47	16257.90 ug/L	358568000	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	81
2		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	81
3		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	76
4		Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	76
5		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	74



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010116.D
Acq On : 24 Apr 2019 17:44
Operator : SY/VA
Sample : K2481-07RE
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHW2RE

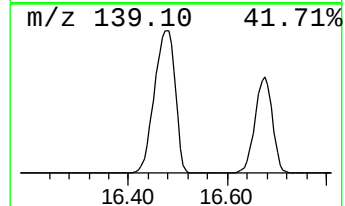
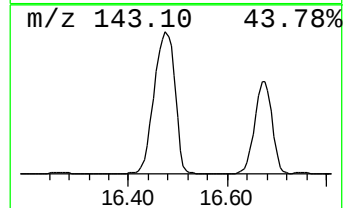
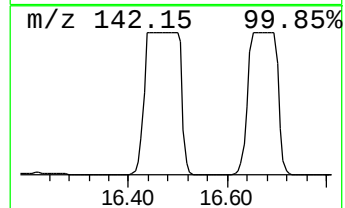
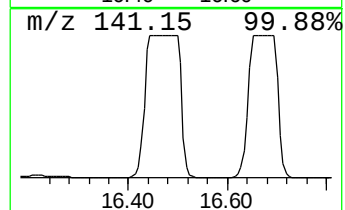
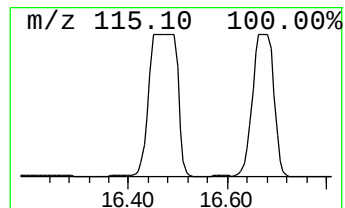
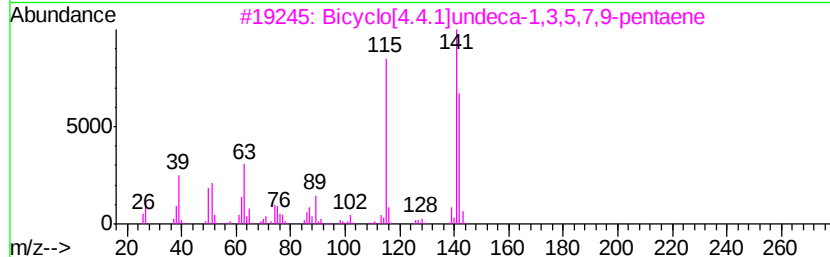
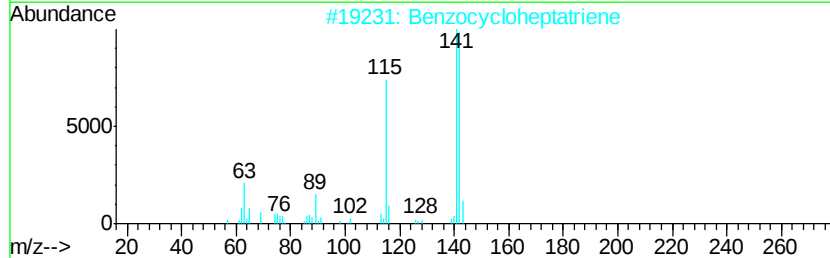
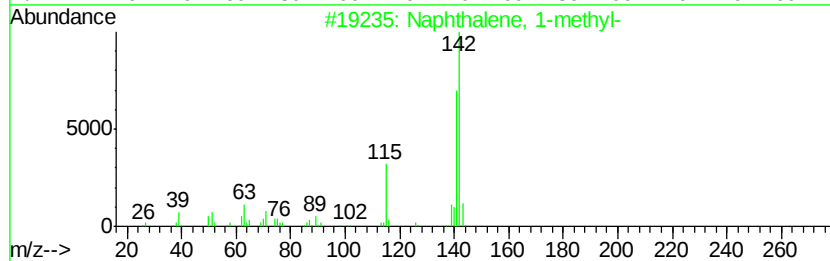
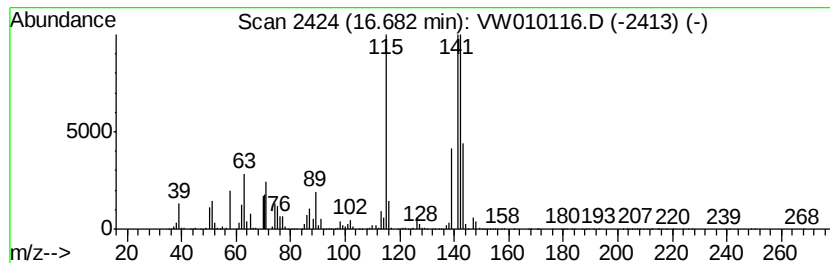
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 37 Benzocycloheptatriene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.68	10437.00 ug/L	230187000	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
2		Benzocycloheptatriene	142	C11H10	000264-09-5	93
3		Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	86
4		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	76
5		Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	76



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW042419\
 Data File : VW010116.D
 Acq On : 24 Apr 2019 17:44
 Operator : SY/VA
 Sample : K2481-07RE
 Misc : 5.05G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAHW2RE

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
Benzene, propyl-	12.80	9.1	ug/L	201660	3	13.56	551376	25.0
Mesitylene	12.94	65.9	ug/L	1453050	3	13.56	551376	25.0
Benzene, 1-ethyl-...	13.11	42.9	ug/L	946294	3	13.56	551376	25.0
Benzene, 1,2,3-tr...	13.26	192.0	ug/L	4235160	3	13.56	551376	25.0
Benzene, 1-etheny...	13.30	181.1	ug/L	3993750	3	13.56	551376	25.0
p-Cymene	13.44	5.4	ug/L	118824	3	13.56	551376	25.0
Benzene, 1,1'-(1-...	13.63	27.9	ug/L	615390	3	13.56	551376	25.0
Benzene, 1,2-diet...	13.72	22.3	ug/L	492322	3	13.56	551376	25.0
Benzene, 2-propenyl-	13.76	16.9	ug/L	373430	3	13.56	551376	25.0
Benzene, 2-ethyl-...	13.79	63.0	ug/L	1388400	3	13.56	551376	25.0
Indene	13.94	101.1	ug/L	2228540	3	13.56	551376	25.0
o-Cymene	14.04	75.3	ug/L	1660610	3	13.56	551376	25.0
Benzene, 1-etheny...	14.15	64.0	ug/L	1412400	3	13.56	551376	25.0
Benzene, 4-etheny...	14.24	451.6	ug/L	9960080	3	13.56	551376	25.0
Benzene, 2-etheny...	14.29	59.9	ug/L	1320290	3	13.56	551376	25.0
Benzene, 2-ethyl-...	14.35	65.7	ug/L	1449000	3	13.56	551376	25.0
Benzene, 1,2,3,4-...	14.43	95.6	ug/L	2107570	3	13.56	551376	25.0
Benzene, 1-ethyl-...	14.46	333.6	ug/L	7357810	3	13.56	551376	25.0
Benzene, 2,4-diet...	14.51	122.9	ug/L	2709870	3	13.56	551376	25.0
Benzene, 1-etheny...	14.56	283.4	ug/L	6251130	3	13.56	551376	25.0
unknown-01	14.65	26.2	ug/L	577717	3	13.56	551376	25.0
(DEL) Alkane: Str...	14.73	1012.2	ug/L	22325000	3	13.56	551376	25.0
Benzene, 1,2,4,5-...	14.80	586.6	ug/L	12938100	3	13.56	551376	25.0
Benzene, (1-methy...	14.88	860.5	ug/L	18977800	3	13.56	551376	25.0
Benzene, 1-methyl-...	14.96	903.4	ug/L	19923700	3	13.56	551376	25.0
Benzene, 1-ethyl-...	15.18	248.5	ug/L	5479870	3	13.56	551376	25.0
unknown-02	15.33	448.7	ug/L	9896780	3	13.56	551376	25.0
(DEL) Alkane: Str...	15.57	1376.6	ug/L	30360500	3	13.56	551376	25.0
Benzo[b]thiophene...	16.39	244.2	ug/L	5386220	3	13.56	551376	25.0
1H-Indene, 1-ethy...	16.47	16257.9	ug/L	358568000	3	13.56	551376	25.0
Benzocycloheptatr...	16.68	10437.0	ug/L	230187000	3	13.56	551376	25.0