

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042419\
 Data File : VW010114.D
 Acq On : 24 Apr 2019 14:53
 Operator : SY/VA
 Sample : K2456-16
 Misc : 5.01G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAHN6

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	48	rBV4	5714	12364	0.01%	0.003%
2	2.355	68	74	85	rBV	80281	183742	0.13%	0.038%
3	2.495	92	97	102	rBV	19470	45108	0.03%	0.009%
4	2.891	155	162	173	rBV	72953	189161	0.13%	0.039%
5	4.013	332	346	358	rBV2	210402	725616	0.51%	0.151%
6	4.239	381	383	387	rVB3	1069	1105	0.00%	0.000%
7	4.397	401	409	417	rBV3	5419	16387	0.01%	0.003%
8	4.483	421	423	425	rVB3	1182	1071	0.00%	0.000%
9	4.665	451	453	455	rVV4	1135	1319	0.00%	0.000%
10	4.909	482	493	506	rBV3	17469	72373	0.05%	0.015%
11	5.488	586	588	592	rVB2	771	1163	0.00%	0.000%
12	5.927	653	660	667	rVB4	5601	13912	0.01%	0.003%
13	6.141	693	695	699	rVB3	1088	1241	0.00%	0.000%
14	6.275	715	717	720	rBV3	766	1158	0.00%	0.000%
15	6.379	729	734	736	rBV2	790	1167	0.00%	0.000%
16	6.781	796	800	802	rBV3	738	1212	0.00%	0.000%
17	7.080	838	849	860	rBV	71669	203113	0.14%	0.042%
18	7.537	919	924	925	rBV3	1349	2169	0.00%	0.000%
19	7.641	931	941	952	rBV	385835	939537	0.66%	0.196%
20	7.769	959	962	965	rBV2	810	1030	0.00%	0.000%
21	8.061	1008	1010	1016	rBV3	969	1464	0.00%	0.000%
22	8.275	1035	1045	1060	rBV2	721663	2180136	1.53%	0.455%
23	8.518	1084	1085	1088	rBV3	1124	1082	0.00%	0.000%
24	8.689	1109	1113	1115	rBV4	820	1095	0.00%	0.000%
25	8.841	1128	1138	1147	rBV	805024	1572563	1.10%	0.328%
26	9.079	1168	1177	1181	rBV8	4323	9432	0.01%	0.002%
27	9.274	1200	1209	1218	rBV	519052	1040911	0.73%	0.217%
28	9.341	1218	1220	1225	rVB5	2360	2836	0.00%	0.001%
29	9.646	1267	1270	1271	rBV2	1719	1838	0.00%	0.000%
30	9.762	1284	1289	1293	rBV4	1359	1820	0.00%	0.000%
31	9.896	1305	1311	1312	rBV3	1983	2535	0.00%	0.001%
32	9.969	1317	1323	1327	rBV7	3821	9271	0.01%	0.002%
33	10.036	1327	1334	1345	rVV	277301	494023	0.35%	0.103%
34	10.128	1345	1349	1357	rVB9	2576	7051	0.00%	0.001%

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 Title : VOC Analysis

35	10.207	1359	1362	1364	rBV4	1035	1464	0.00%	0.000%
36	10.323	1372	1381	1388	rBV	1010778	1735758	1.21%	0.362%
37	10.384	1388	1391	1401	rVB2	47369	83670	0.06%	0.017%
38	10.579	1415	1423	1435	rBV	182981	312671	0.22%	0.065%
39	10.701	1437	1443	1449	rBV3	8665	15411	0.01%	0.003%
40	10.780	1452	1456	1458	rVB4	1856	2120	0.00%	0.000%
41	10.798	1458	1459	1463	rBV2	1225	1238	0.00%	0.000%
42	10.853	1463	1468	1472	rBV6	2846	5196	0.00%	0.001%
43	10.926	1472	1480	1490	rBV	293334	496760	0.35%	0.104%
44	11.329	1544	1546	1548	rBV2	835	1109	0.00%	0.000%
45	11.408	1555	1559	1561	rVV4	1603	2447	0.00%	0.001%
46	11.634	1586	1596	1605	rVV	1046305	1791473	1.25%	0.374%
47	11.701	1605	1607	1608	rVV2	2180	2085	0.00%	0.000%
48	11.731	1608	1612	1617	rVB4	7420	13426	0.01%	0.003%
49	11.835	1620	1629	1639	rBV	62515	118351	0.08%	0.025%
50	11.932	1641	1645	1648	rBV4	977	1441	0.00%	0.000%
51	12.170	1677	1684	1694	rBV4	225686	463906	0.32%	0.097%
52	12.341	1707	1712	1715	rBV5	2419	4118	0.00%	0.001%
53	12.469	1727	1733	1736	rBV5	3401	7568	0.01%	0.002%
54	12.609	1752	1756	1761	rVB	12581	19600	0.01%	0.004%
55	12.694	1763	1770	1775	rVV	351548	576293	0.40%	0.120%
56	12.737	1775	1777	1783	rVB	13277	19866	0.01%	0.004%
57	12.804	1783	1788	1792	rVB	13867	19890	0.01%	0.004%
58	12.871	1792	1799	1802	rBV	420154	680861	0.48%	0.142%
59	12.944	1806	1811	1821	rVB	1854722	2780811	1.95%	0.580%
60	13.109	1830	1838	1845	rBV	623873	1111315	0.78%	0.232%
61	13.255	1851	1862	1866	rBV	4378963	7120869	4.98%	1.485%
62	13.304	1866	1870	1875	rVV	4118120	6046869	4.23%	1.261%
63	13.353	1875	1878	1885	rVB	730655	1174231	0.82%	0.245%
64	13.444	1889	1893	1899	rBV	164535	291427	0.20%	0.061%
65	13.499	1899	1902	1907	rVB	99255	144538	0.10%	0.030%
66	13.591	1907	1917	1932	rVB3	3768306	7649867	5.35%	1.596%
67	13.719	1932	1938	1940	rBV2	730095	1135169	0.79%	0.237%
68	13.755	1940	1944	1946	rVV2	1399652	2035809	1.42%	0.425%
69	13.792	1946	1950	1956	rVB2	3557265	5686983	3.98%	1.186%
70	13.853	1956	1960	1969	rVB2	791769	1705432	1.19%	0.356%
71	13.944	1969	1975	1981	rBV2	1406560	2492174	1.74%	0.520%

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72	14.017	1981	1987	1988	rBV	1397750	2020188	1.41%	0.421%
73	14.042	1988	1991	1997	rVV2	2399417	5142660	3.60%	1.073%
74	14.103	1997	2001	2004	rVV	2563871	3524575	2.47%	0.735%
75	14.145	2004	2008	2014	rVB	2392625	4316495	3.02%	0.900%
76	14.237	2014	2023	2028	rBV	14486353	23774585	16.63%	4.959%
77	14.292	2028	2032	2036	rVB	3192931	4613642	3.23%	0.962%
78	14.341	2036	2040	2045	rVB	1321732	1986964	1.39%	0.414%
79	14.426	2045	2054	2057	rBV	5975436	10488284	7.34%	2.188%
80	14.462	2057	2060	2064	rVV	9132156	13881339	9.71%	2.896%
81	14.505	2064	2067	2071	rVV	3368122	4887085	3.42%	1.019%
82	14.560	2071	2076	2081	rVB3	6030910	9772180	6.84%	2.038%
83	14.645	2087	2090	2094	rVB	665861	837910	0.59%	0.175%
84	14.694	2094	2098	2101	rBV	1591135	2457742	1.72%	0.513%
85	14.737	2102	2105	2109	rVB2	1193816	1694130	1.19%	0.353%
86	14.798	2109	2115	2122	rBV3	10869409	22545516	15.77%	4.703%
87	14.871	2122	2127	2136	rVB4	4136289	9067145	6.34%	1.891%
88	14.956	2136	2141	2149	rVB	23952580	40846214	28.57%	8.521%
89	15.072	2150	2160	2163	rBV5	2607923	6281697	4.39%	1.310%
90	15.182	2173	2178	2184	rBV3	2280878	5378816	3.76%	1.122%
91	15.322	2197	2201	2205	rBV3	2296473	3896621	2.73%	0.813%
92	15.371	2205	2209	2216	rVB	7937609	13756222	9.62%	2.870%
93	15.481	2222	2227	2231	rBV2	1208407	1999447	1.40%	0.417%
94	15.566	2238	2241	2248	rVB2	1320474	1987539	1.39%	0.415%
95	15.663	2252	2257	2262	rBV	1684821	3382548	2.37%	0.706%
96	15.852	2284	2288	2294	rVB2	2347801	4316754	3.02%	0.900%
97	15.974	2301	2308	2314	rBV3	3258787	8085541	5.66%	1.687%
98	16.389	2368	2376	2380	rBV	2168801	5222734	3.65%	1.089%
99	16.456	2380	2387	2394	rVV	30894211	66778095	46.72%	13.930%
100	16.663	2411	2421	2431	rVB3	57463335	142946519	100.00%	29.819%

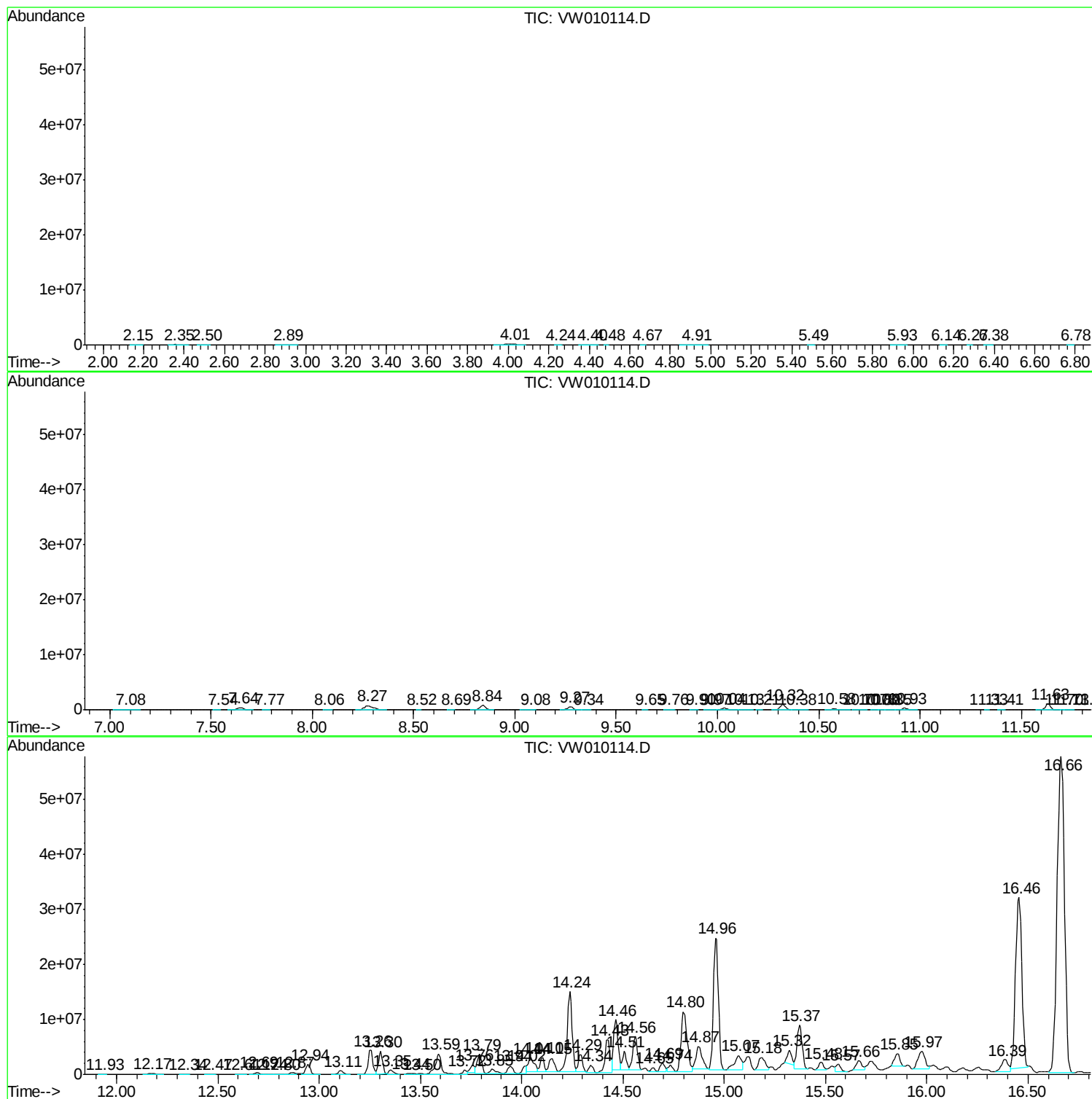
Sum of corrected areas: 479381408

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Instrument :
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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



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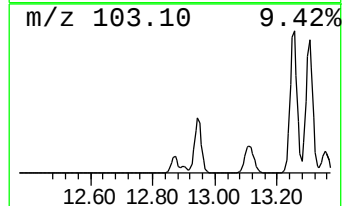
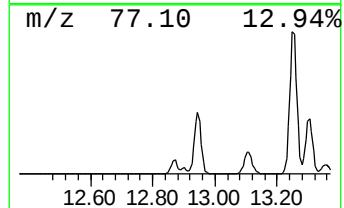
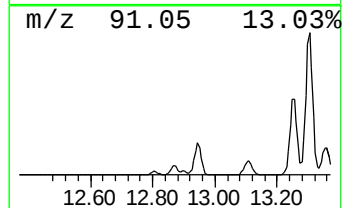
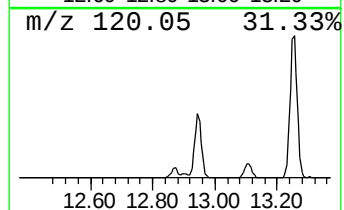
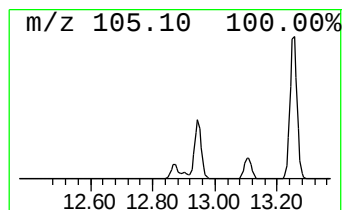
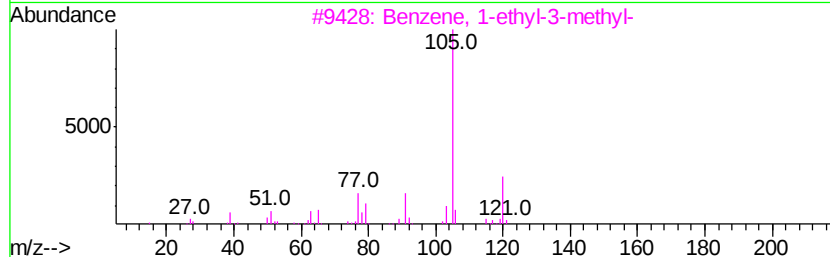
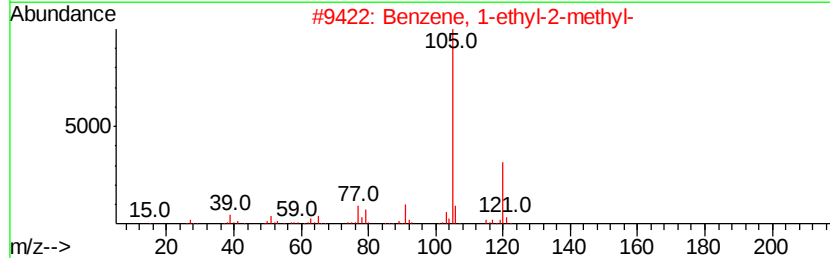
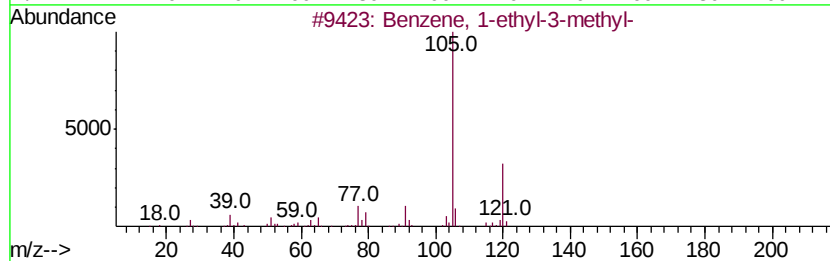
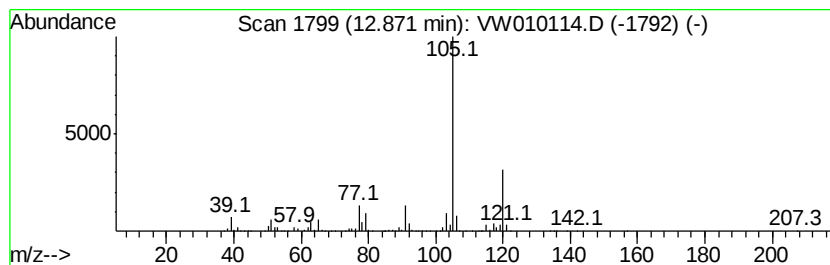
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 2 Benzene, 1-ethyl-3-methyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	2.23 ug/L	680861	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	97
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-2-methyl-	120	C9H12	000611-14-3	94
5		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91



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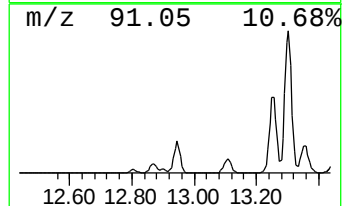
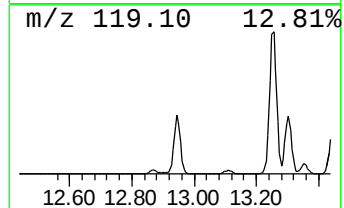
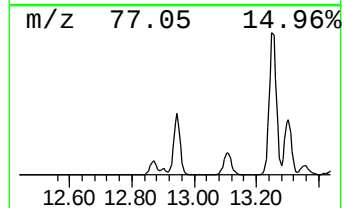
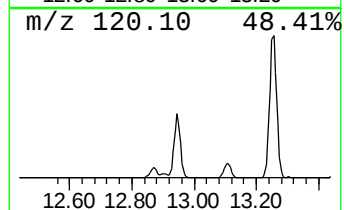
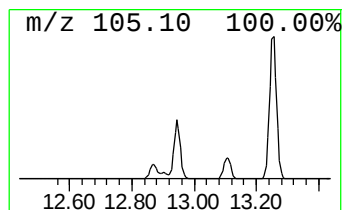
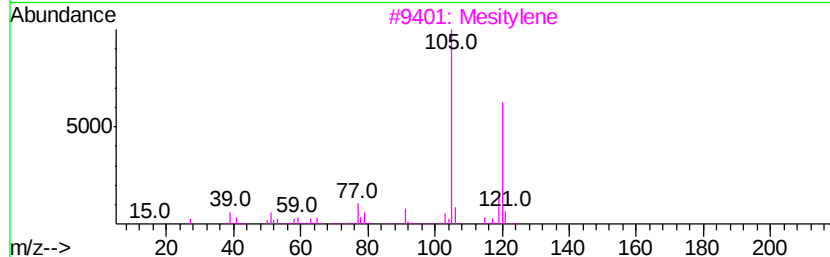
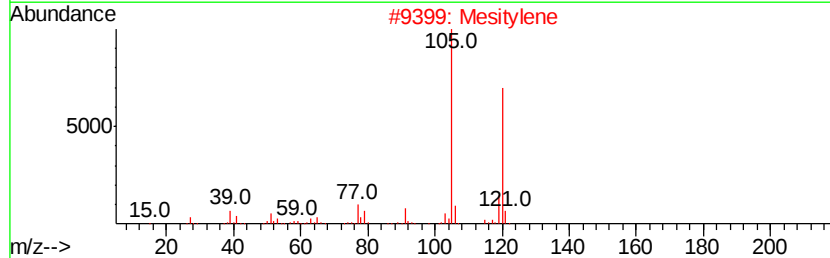
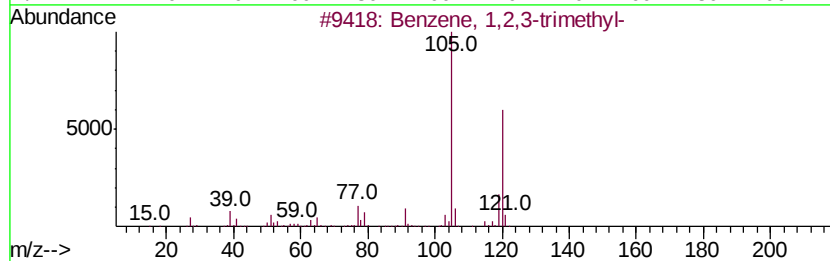
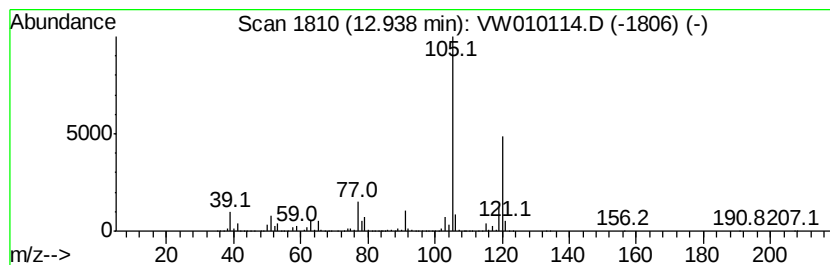
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Quant Title : VOC Analysis

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

Peak Number 3 Benzene, 1,2,3-trimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	9.09 ug/L	2780810	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		Mesitylene	120	C9H12	000108-67-8	95
4		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
5		Mesitylene	120	C9H12	000108-67-8	94



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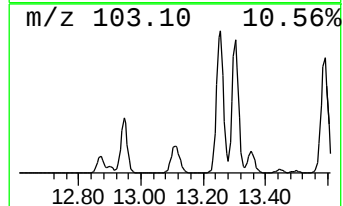
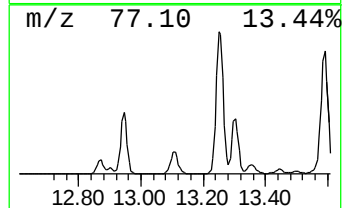
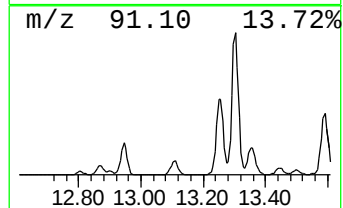
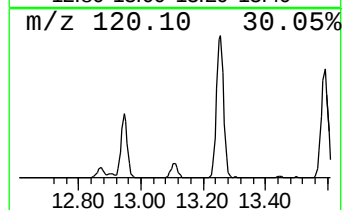
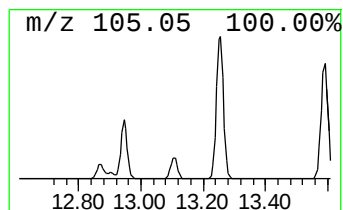
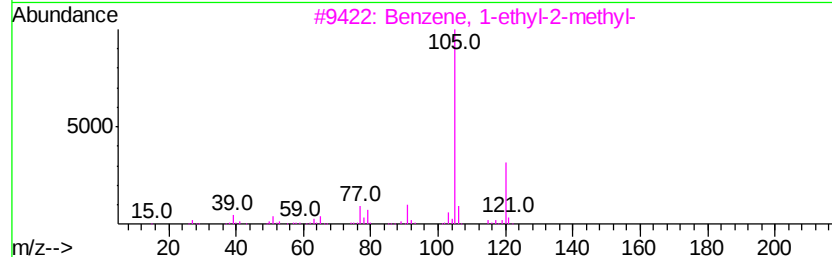
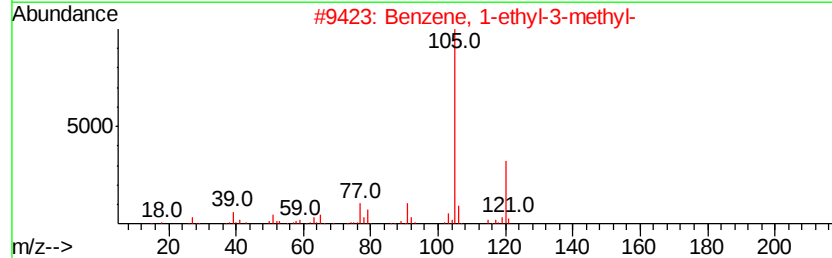
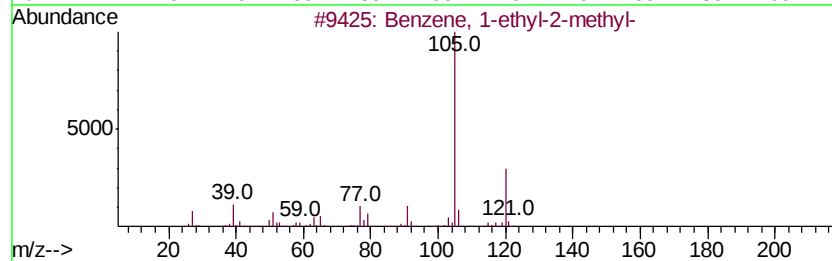
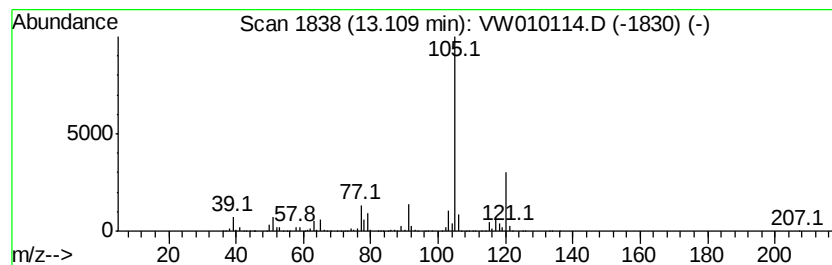
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Quant Title : VOC Analysis

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

Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	3.63 ug/L	1111320	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	93
2		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
3		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
4		Mesitylene	120	C9H12	000108-67-8	90
5		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010114.D
Acq On : 24 Apr 2019 14:53
Operator : SY/VA
Sample : K2456-16
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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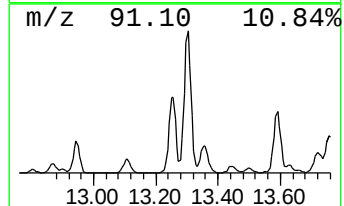
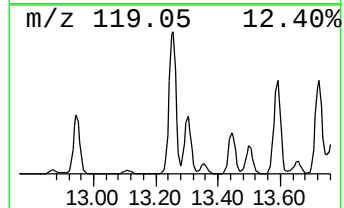
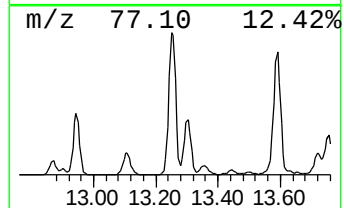
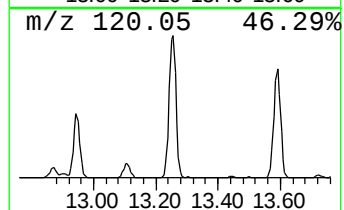
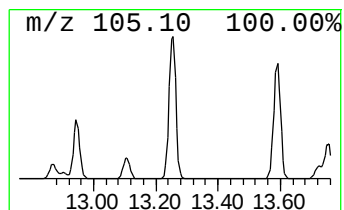
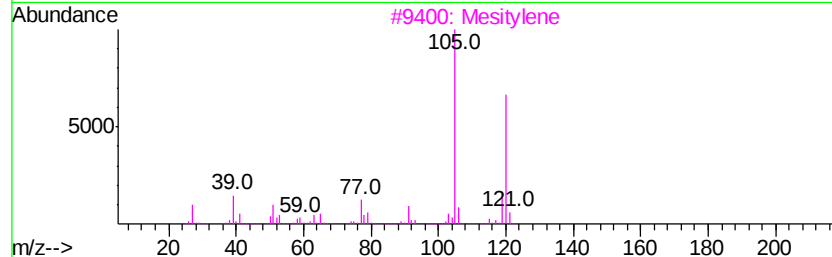
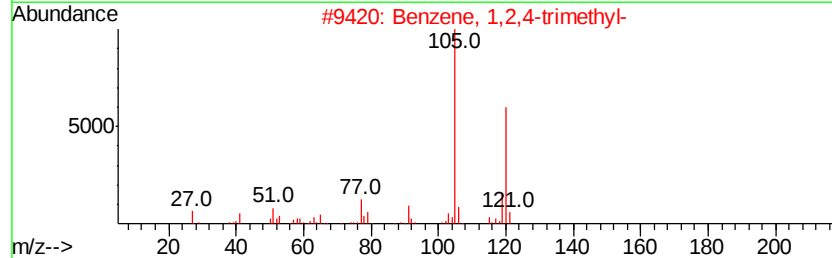
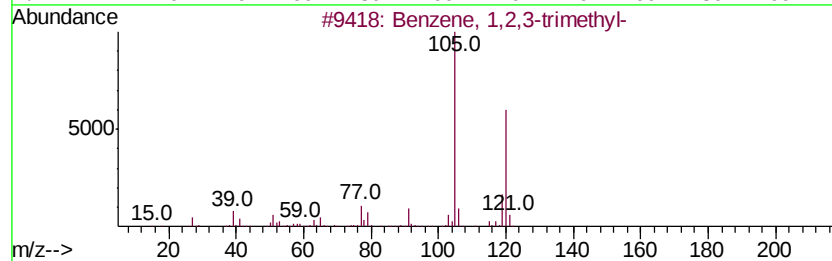
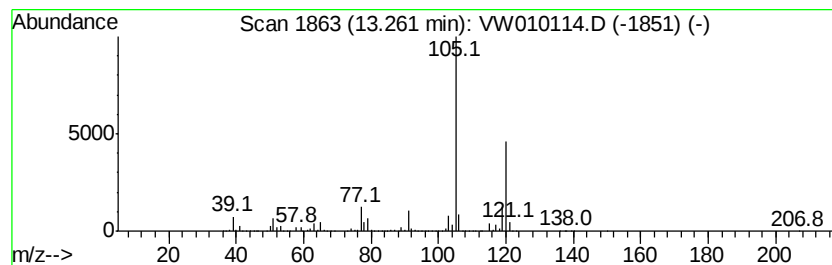
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Quant Title : VOC Analysis

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

Peak Number 5 Benzene, 1,2,4-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	23.27 ug/L	7120870	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		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3		Mesitylene	120	C9H12	000108-67-8	94
4		Mesitylene	120	C9H12	000108-67-8	94
5		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010114.D
Acq On : 24 Apr 2019 14:53
Operator : SY/VA
Sample : K2456-16
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHN6

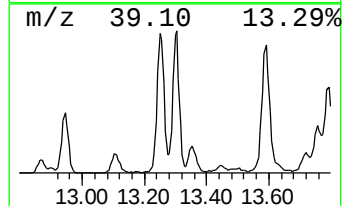
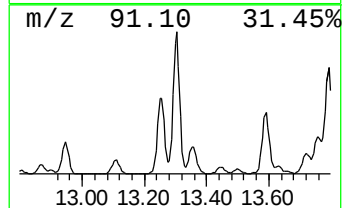
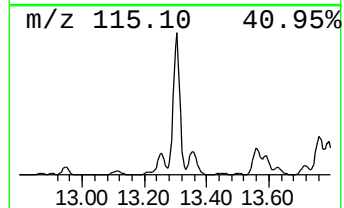
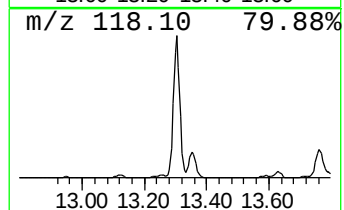
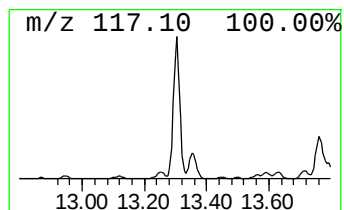
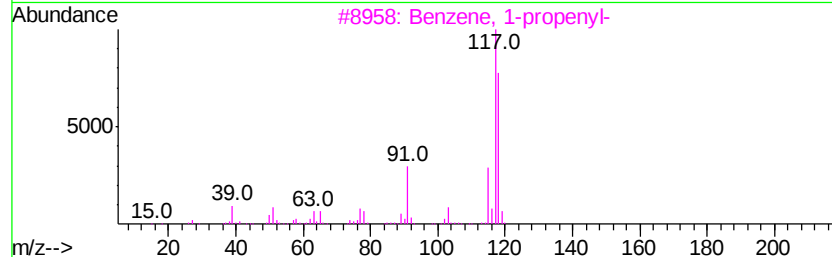
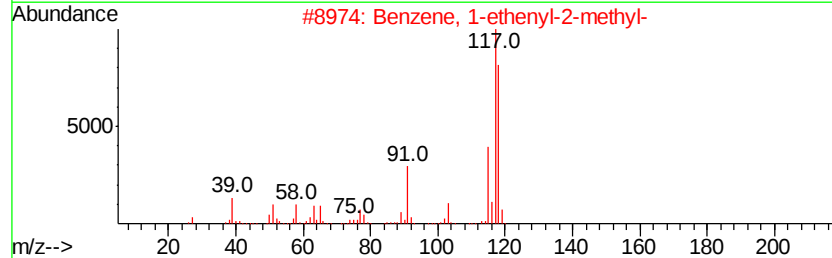
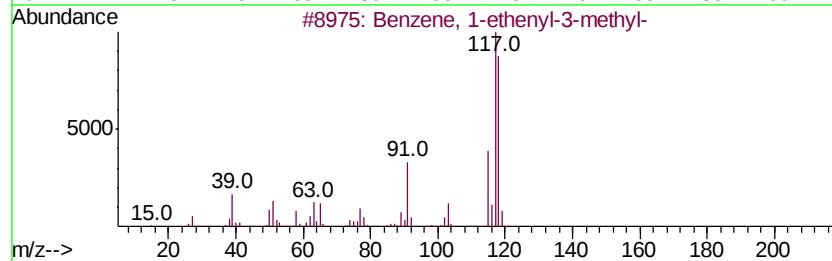
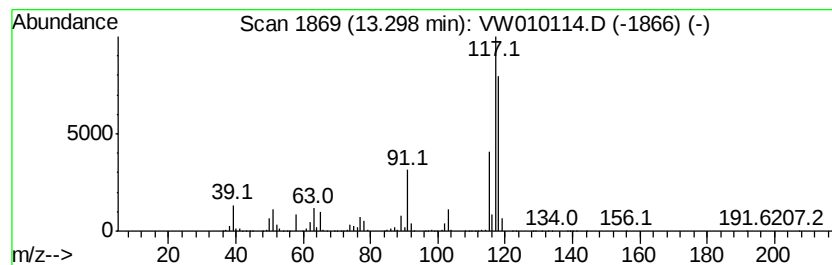
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Quant Title : VOC Analysis

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

Peak Number 6 Benzene, 1-ethenyl-3-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	19.76 ug/L	6046870	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-2-methyl-	118	C9H10	000611-15-4	95
3		Benzene, 1-propenyl-	118	C9H10	000637-50-3	95
4		Benzene, 1-propenyl-	118	C9H10	000637-50-3	94
5		Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010114.D
Acq On : 24 Apr 2019 14:53
Operator : SY/VA
Sample : K2456-16
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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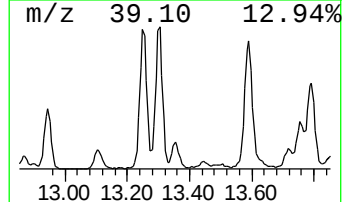
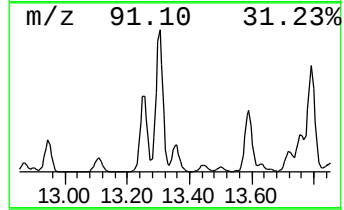
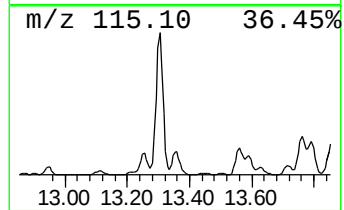
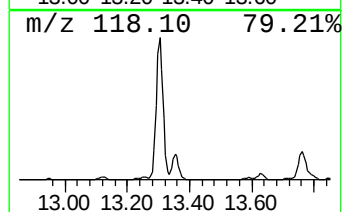
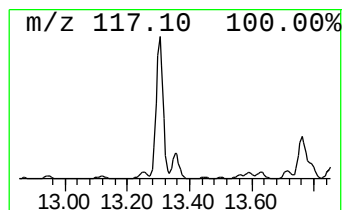
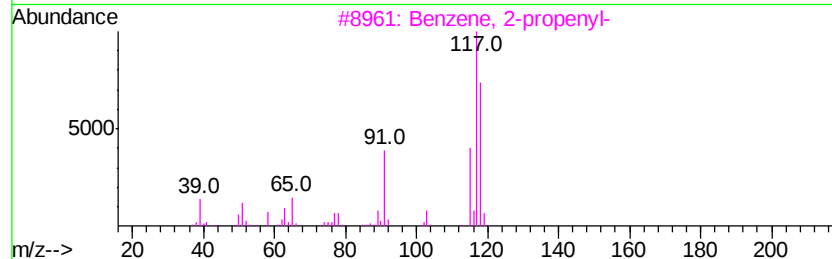
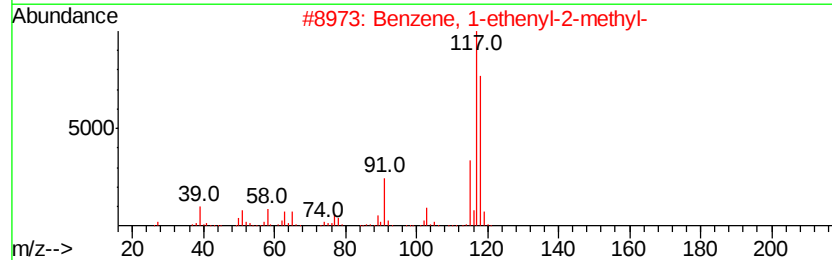
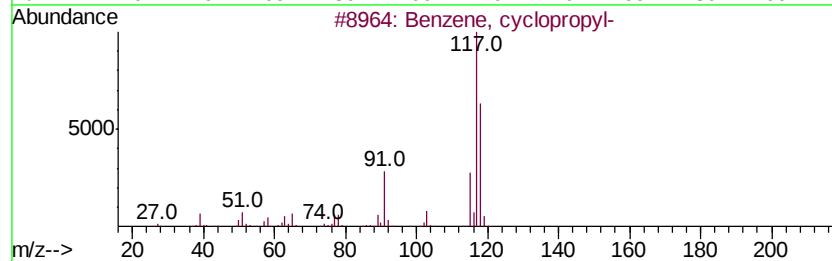
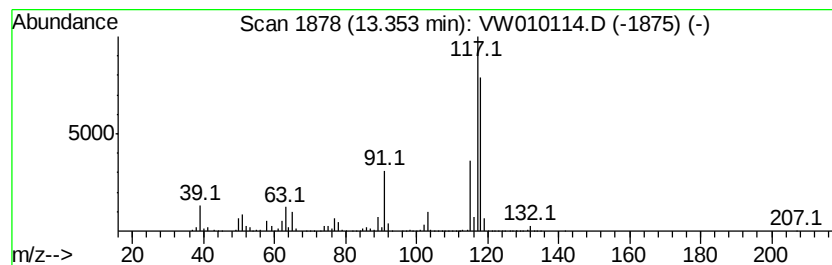
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Quant Title : VOC Analysis

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

Peak Number 7 Benzene, cyclopropyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	3.84 ug/L	1174230	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, cvclopropyl-	118	C9H10	000873-49-4	94
2		Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
3		Benzene, 2-propenyl-	118	C9H10	000300-57-2	93
4		Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	93
5		Benzene, 1-propenyl-	118	C9H10	000637-50-3	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010114.D
Acq On : 24 Apr 2019 14:53
Operator : SY/VA
Sample : K2456-16
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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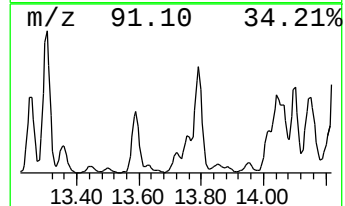
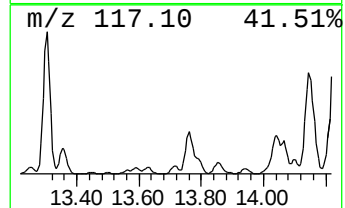
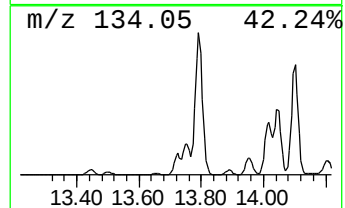
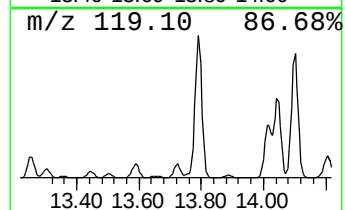
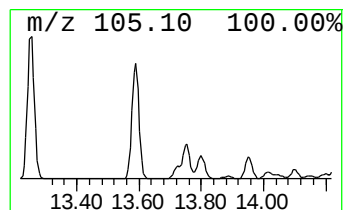
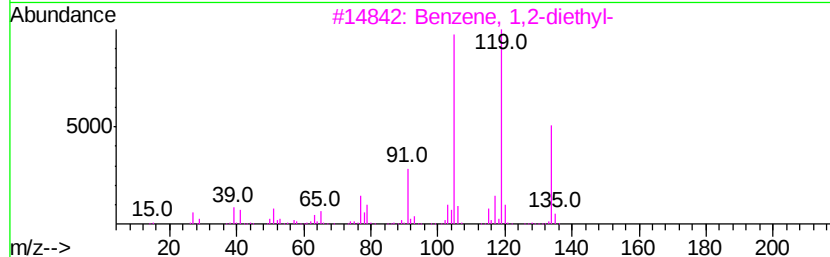
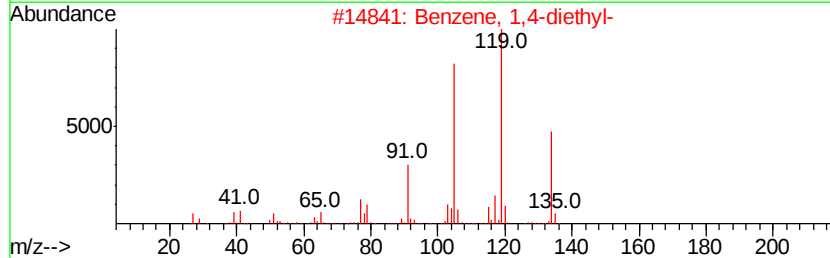
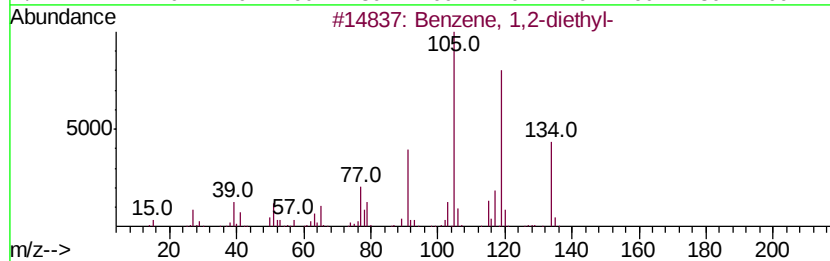
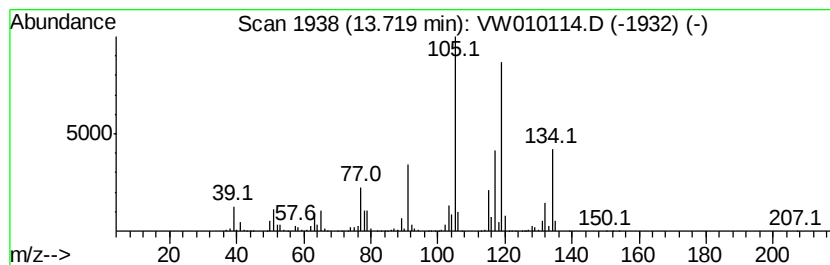
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Quant Title : VOC Analysis

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

Peak Number 8 Benzene, 1,2-diethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	3.71 ug/L	1135170	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene,	1,2-diethyl-		134	C10H14	000135-01-3	96
2	Benzene,	1,4-diethyl-		134	C10H14	000105-05-5	76
3	Benzene,	1,2-diethyl-		134	C10H14	000135-01-3	76
4	Benzene,	1,3-diethyl-		134	C10H14	000141-93-5	70
5	Benzene,	1,3-diethyl-		134	C10H14	000141-93-5	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010114.D
Acq On : 24 Apr 2019 14:53
Operator : SY/VA
Sample : K2456-16
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHN6

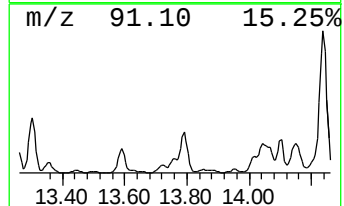
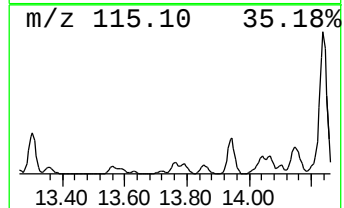
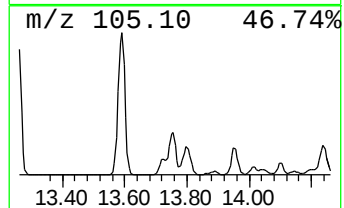
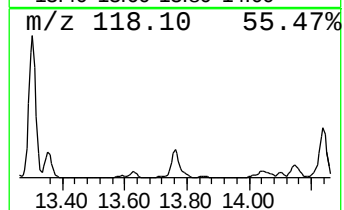
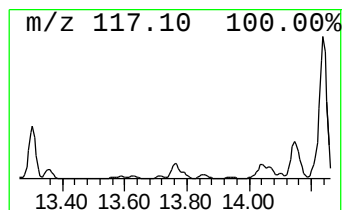
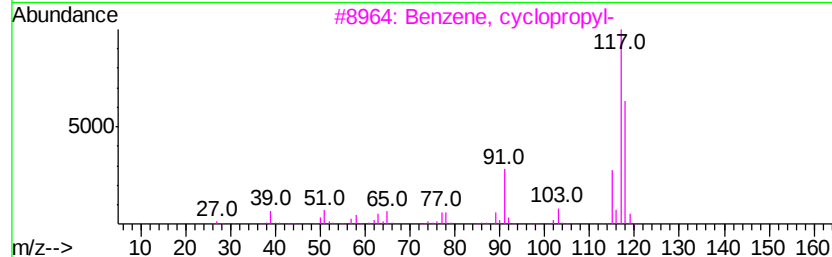
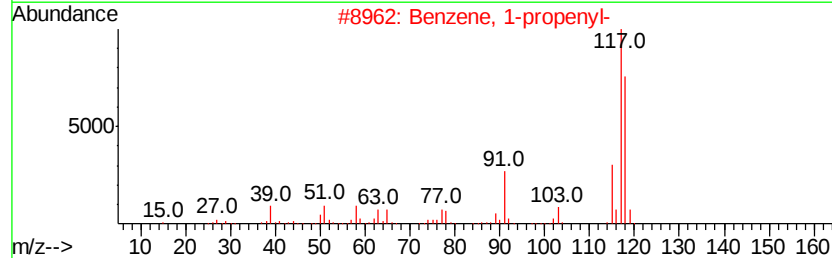
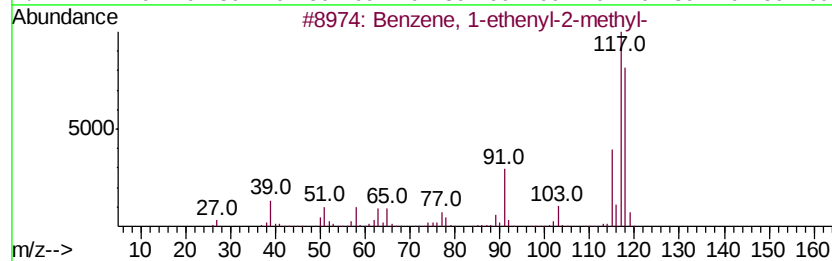
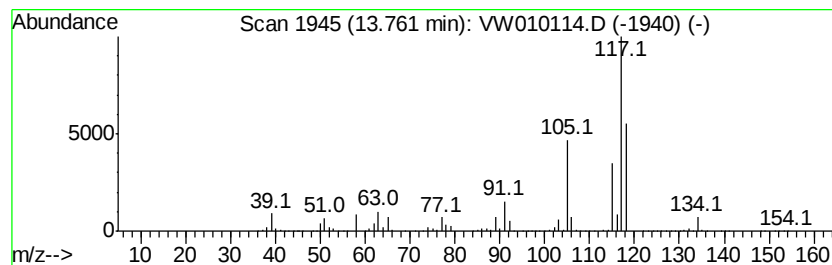
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Quant Title : VOC Analysis

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

Peak Number 9 Benzene, 1-ethenyl-2-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	6.65 ug/L	2035810	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	92
2		Benzene, 1-propenyl-	118	C9H10	000637-50-3	70
3		Benzene, cyclopropyl-	118	C9H10	000873-49-4	70
4		Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	70
5		Benzene, 1-propenyl-	118	C9H10	000637-50-3	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010114.D
Acq On : 24 Apr 2019 14:53
Operator : SY/VA
Sample : K2456-16
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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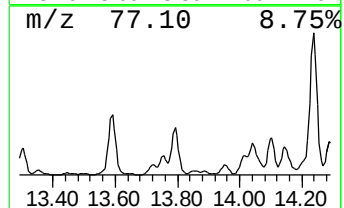
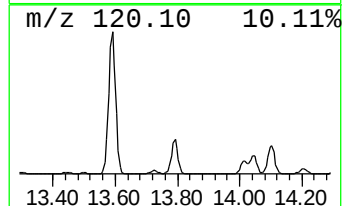
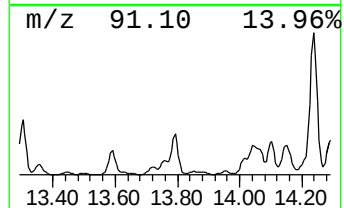
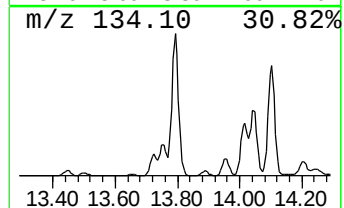
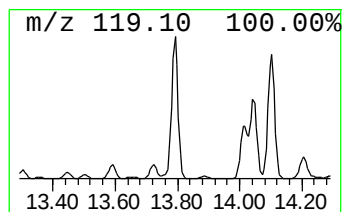
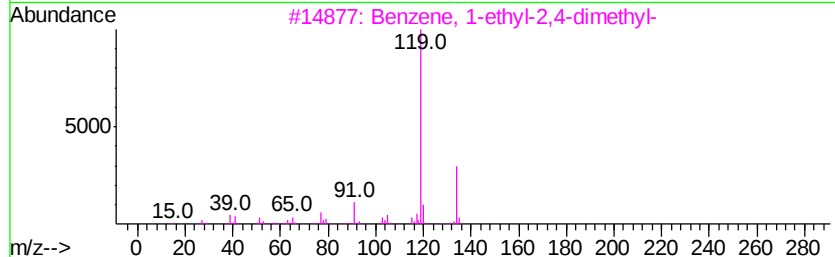
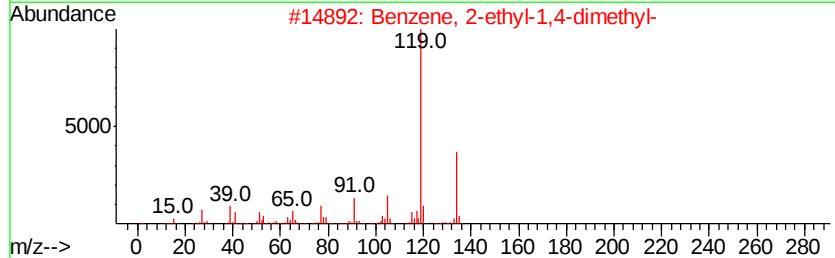
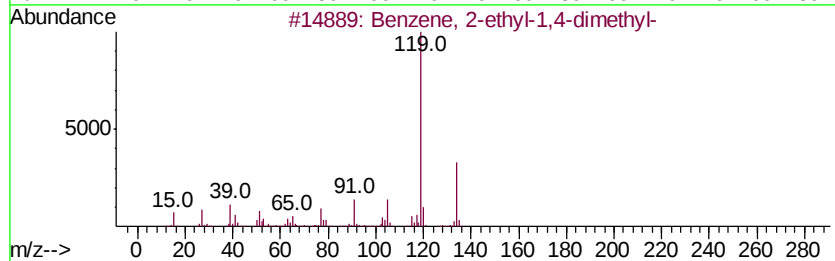
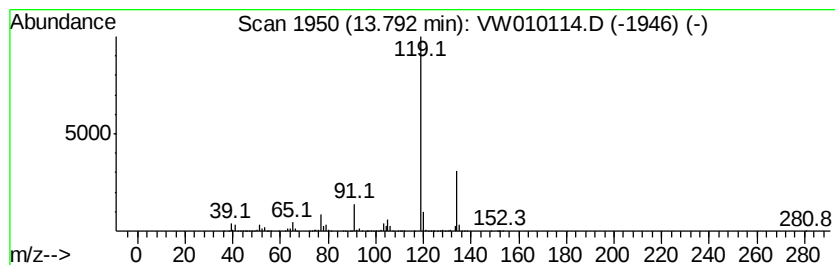
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Quant Title : VOC Analysis

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

Peak Number 10 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	18.59 ug/L	5686980	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, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
3		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
4		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010114.D
Acq On : 24 Apr 2019 14:53
Operator : SY/VA
Sample : K2456-16
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

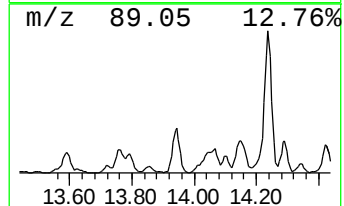
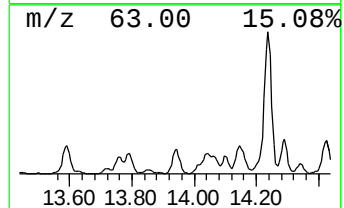
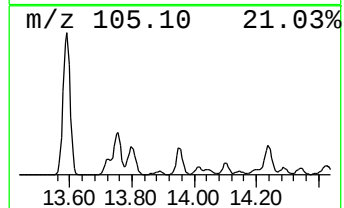
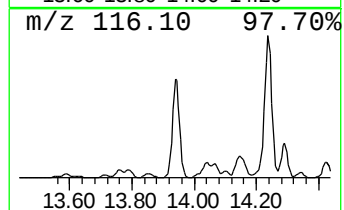
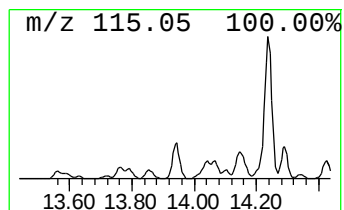
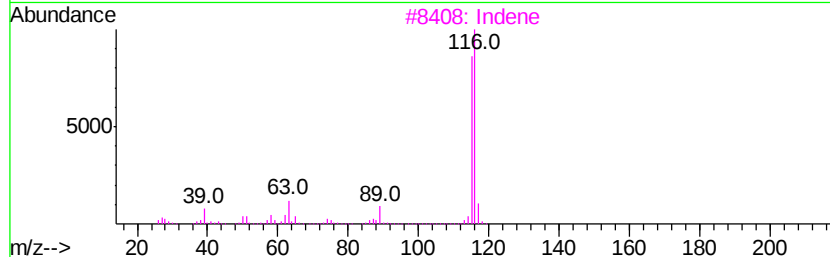
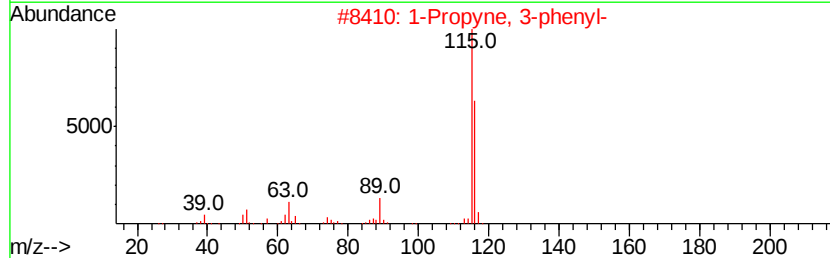
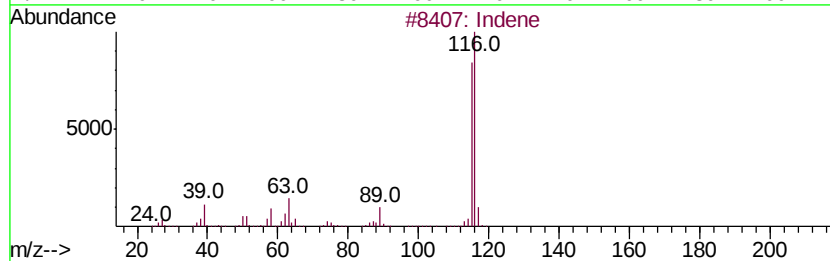
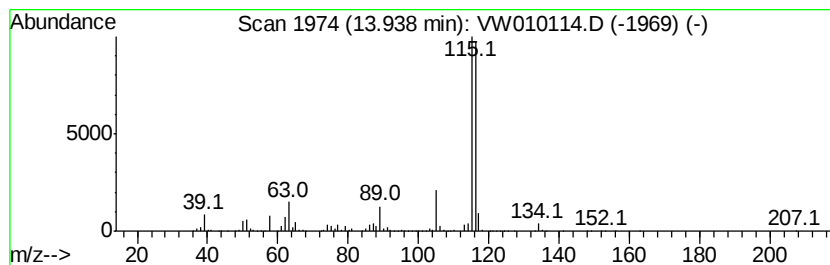
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 11 Indene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	8.14 ug/L	2492170	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Indene		116 C9H8	000095-13-6 96
2	1-Propyne, 3-phenyl-		116 C9H8	010147-11-2 94
3	Indene		116 C9H8	000095-13-6 94
4	Indene		116 C9H8	000095-13-6 94
5	3-Methylphenylacetylene		116 C9H8	000766-82-5 90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010114.D
Acq On : 24 Apr 2019 14:53
Operator : SY/VA
Sample : K2456-16
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHN6

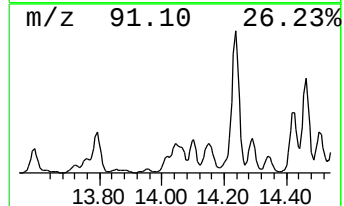
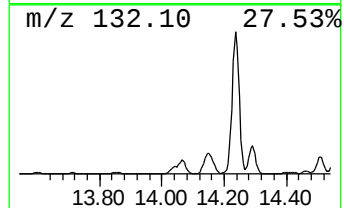
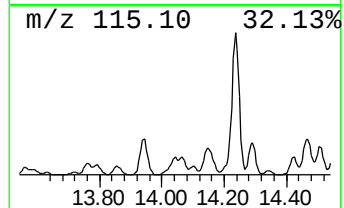
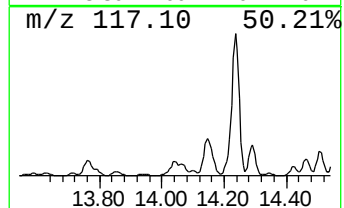
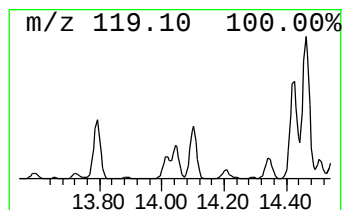
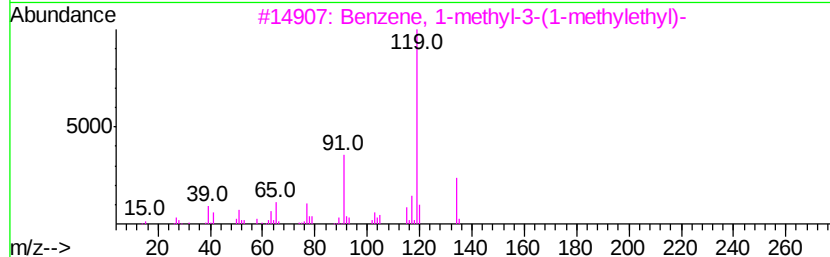
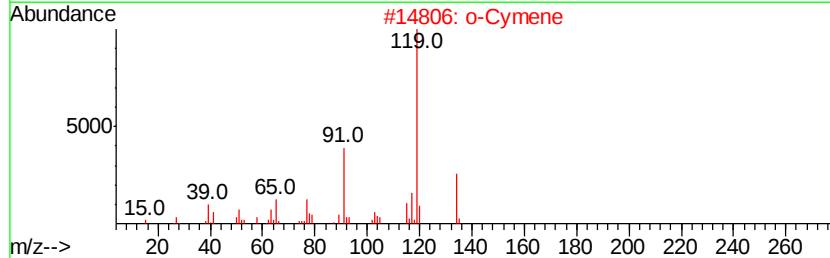
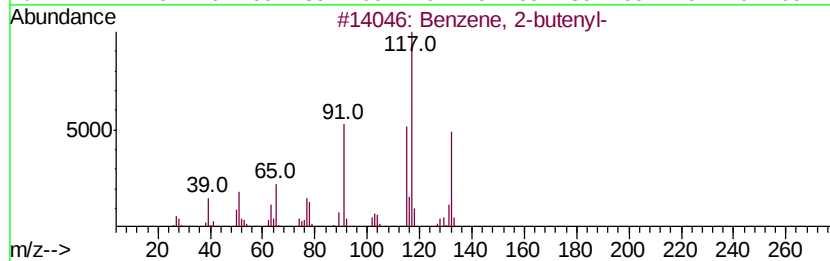
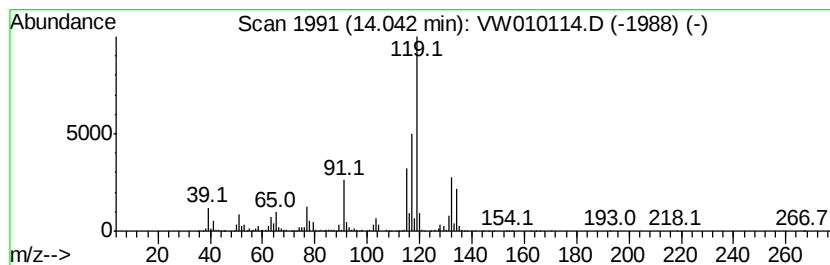
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Quant Title : VOC Analysis

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

Peak Number 13 Benzene, 2-butenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	16.81 ug/L	5142660	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	90
2		o-Cymene	134	C10H14	000527-84-4	60
3		Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	60
4		p-Cymene	134	C10H14	000099-87-6	55
5		Benzene, 1-methyl-4-(1-methylethyl)-	132	C10H12	001195-32-0	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010114.D
Acq On : 24 Apr 2019 14:53
Operator : SY/VA
Sample : K2456-16
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHN6

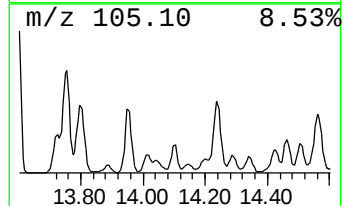
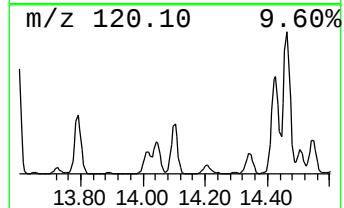
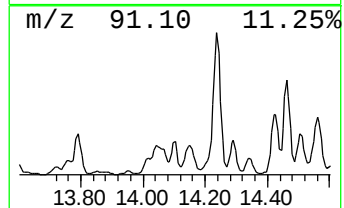
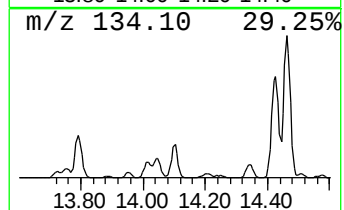
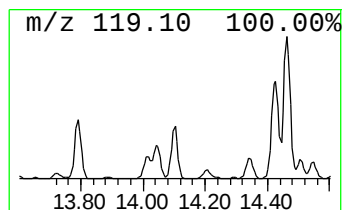
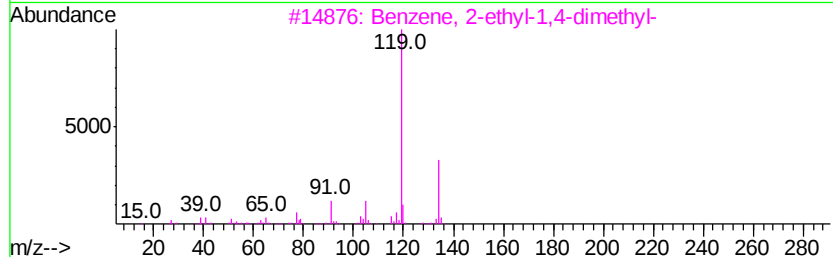
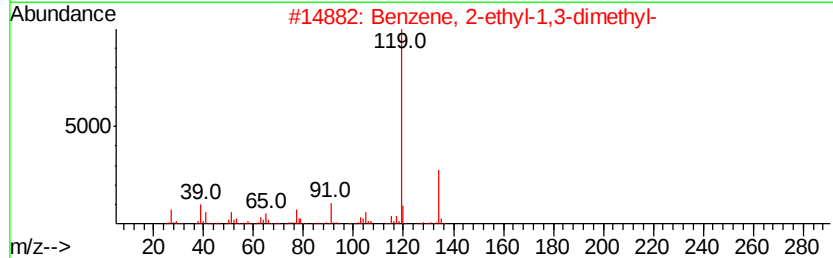
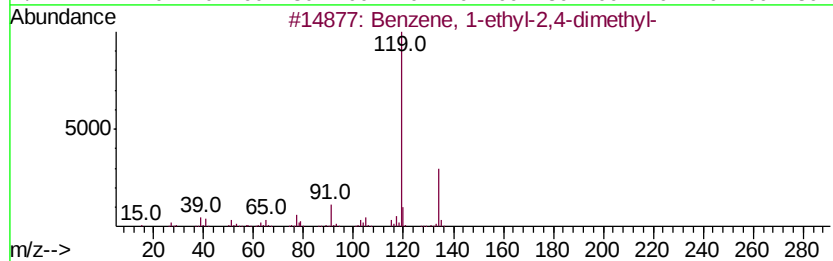
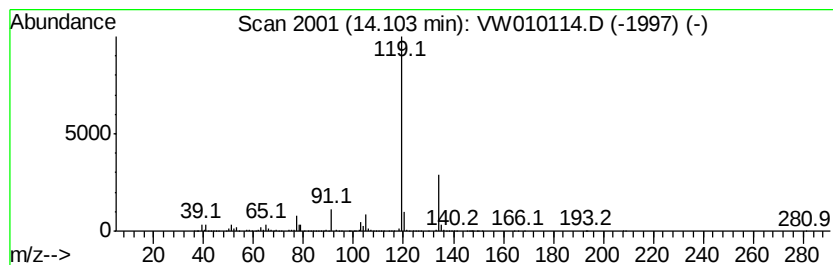
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Quant Title : VOC Analysis

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

Peak Number 14 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	11.52 ug/L	3524580	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
2		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91
3		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
4		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	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 : VW010114.D
Acq On : 24 Apr 2019 14:53
Operator : SY/VA
Sample : K2456-16
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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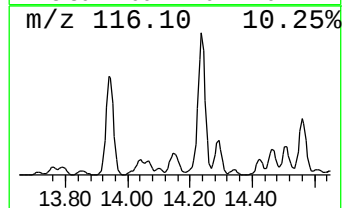
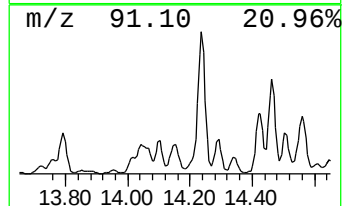
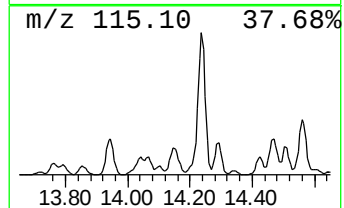
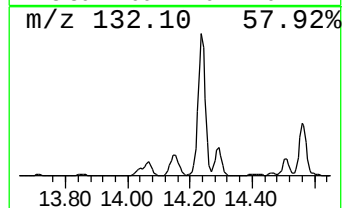
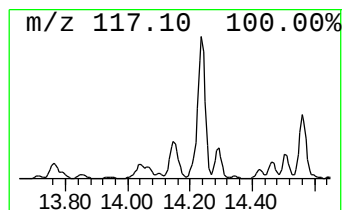
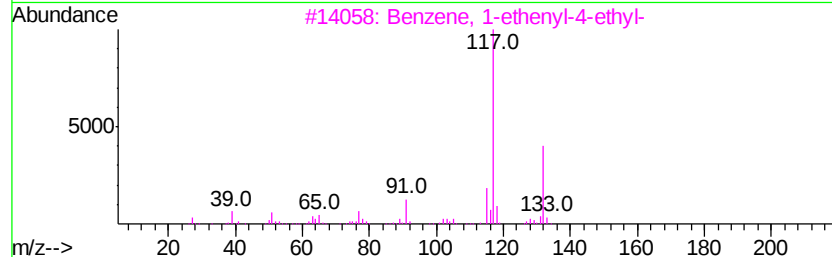
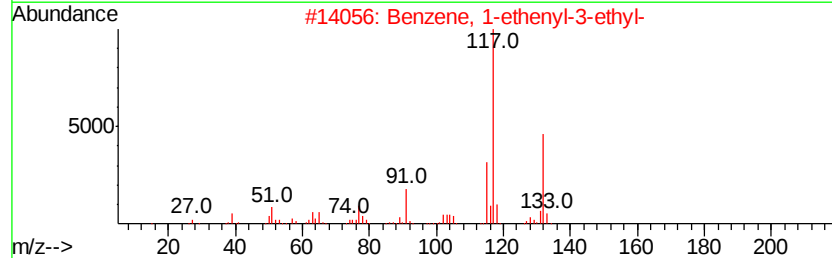
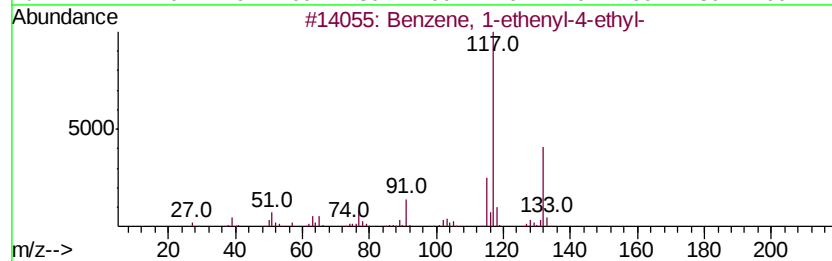
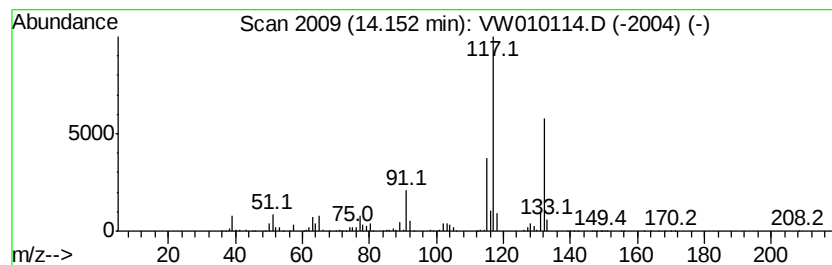
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Quant Title : VOC Analysis

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

Peak Number 15 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.15	14.11 ug/L	4316500	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	95
2		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	95
3		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	93
4		Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	93
5		Benzene, 2-butenyl-	132	C10H12	001560-06-1	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010114.D
Acq On : 24 Apr 2019 14:53
Operator : SY/VA
Sample : K2456-16
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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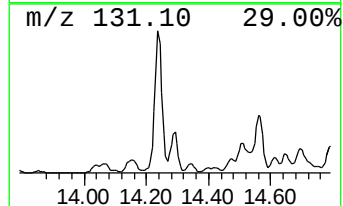
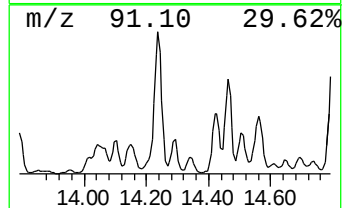
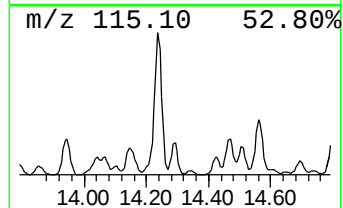
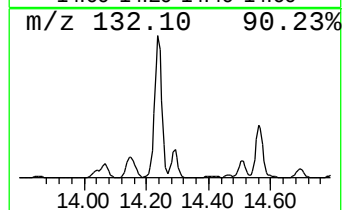
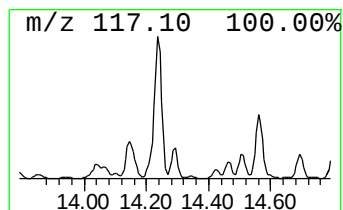
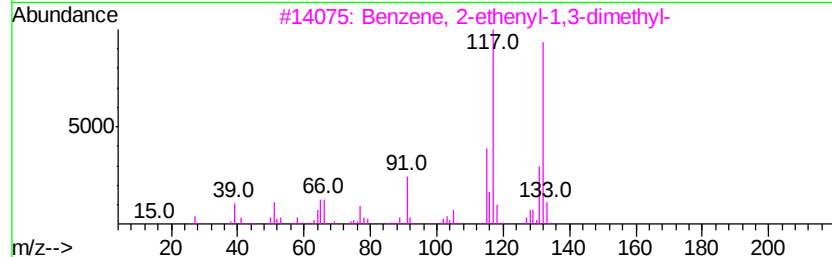
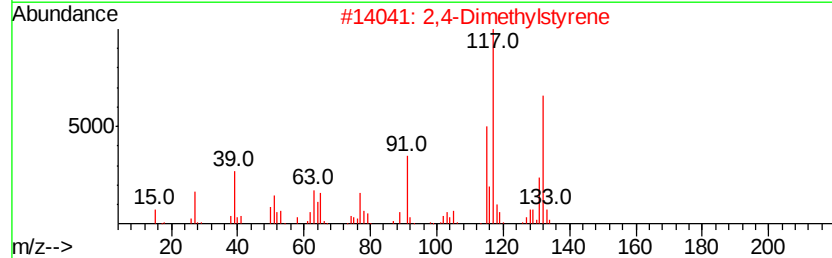
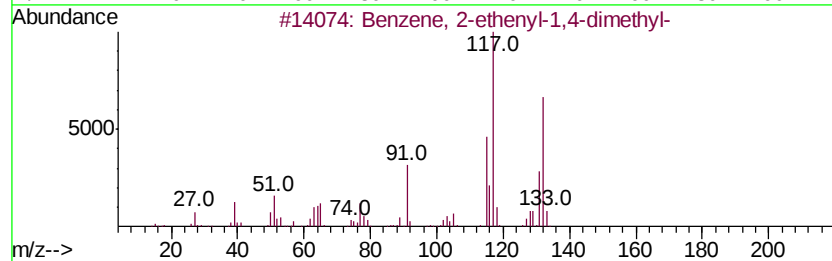
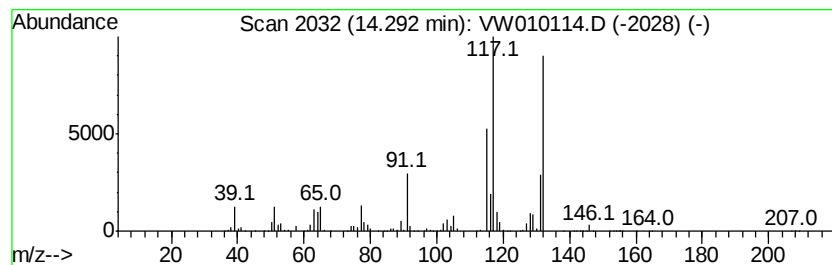
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Quant Title : VOC Analysis

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

Peak Number 17 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	15.08 ug/L	4613640	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	96
2		2,4-Dimethylstyrene	132	C10H12	002234-20-0	96
3		Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	95
4		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
5		Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010114.D
Acq On : 24 Apr 2019 14:53
Operator : SY/VA
Sample : K2456-16
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHN6

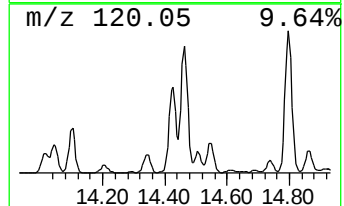
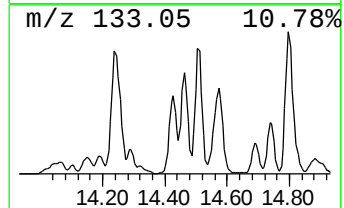
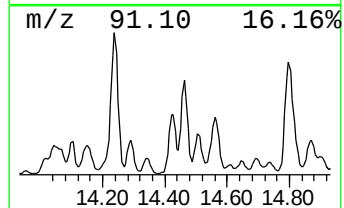
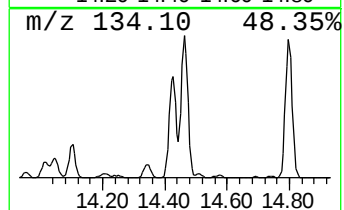
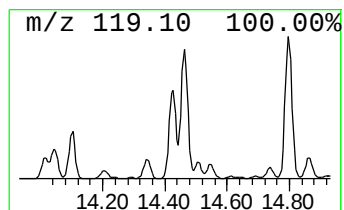
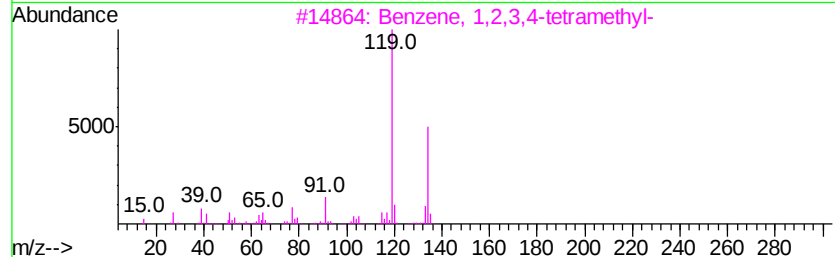
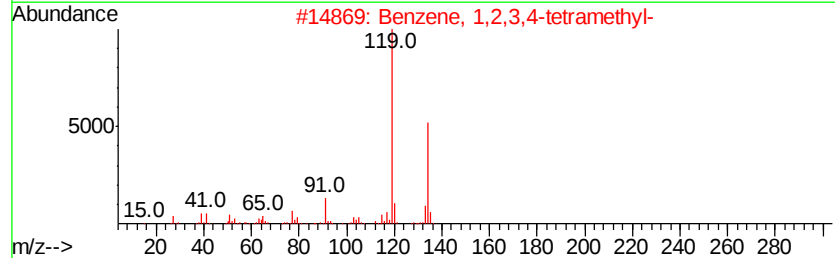
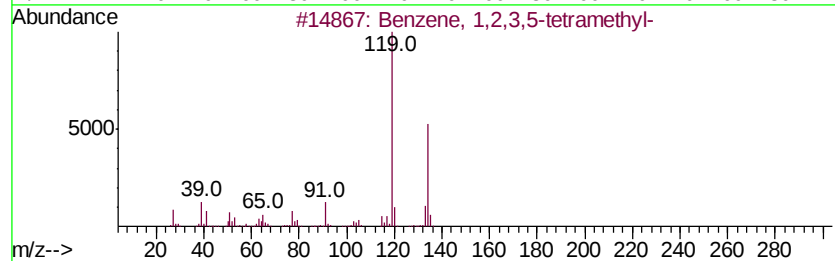
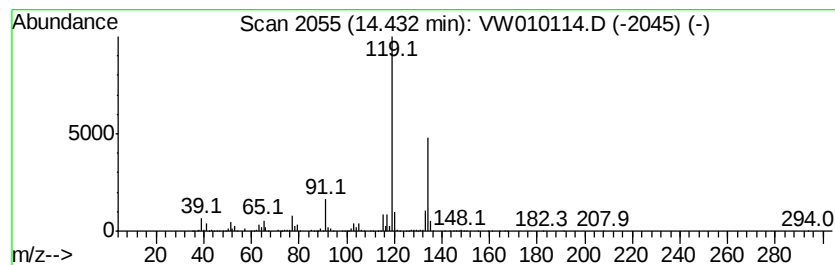
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Quant Title : VOC Analysis

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

Peak Number 19 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	34.28 ug/L	10488300	1,4-Dichlorobenzene-d4	13.56

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010114.D
Acq On : 24 Apr 2019 14:53
Operator : SY/VA
Sample : K2456-16
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHN6

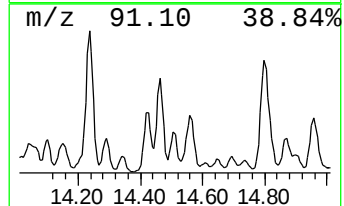
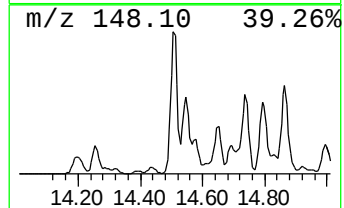
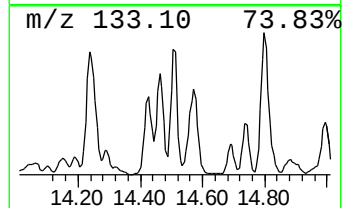
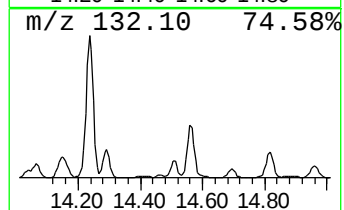
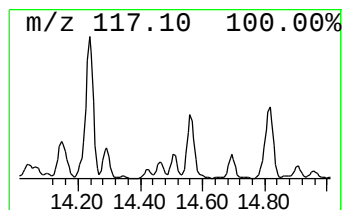
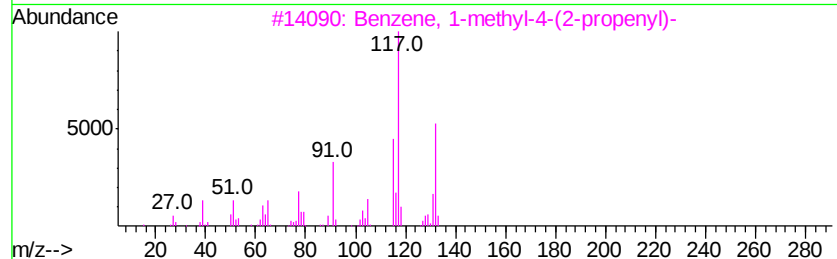
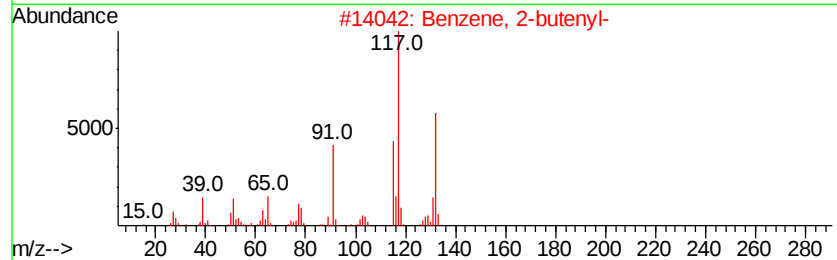
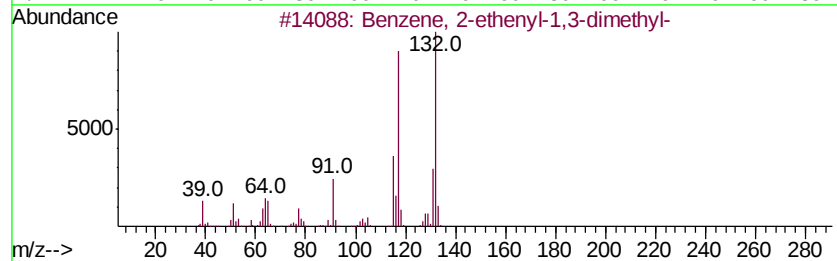
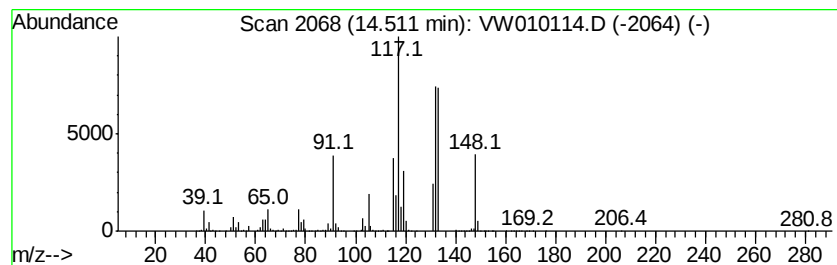
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Quant Title : VOC Analysis

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

Peak Number 21 Benzene, 2-ethenyl-1,3-dime... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	15.97 ug/L	4887090	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	78
2		Benzene, 2-butenyl-	132	C10H12	001560-06-1	78
3		Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	60
4		Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	60
5		Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	60



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010114.D
Acq On : 24 Apr 2019 14:53
Operator : SY/VA
Sample : K2456-16
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHN6

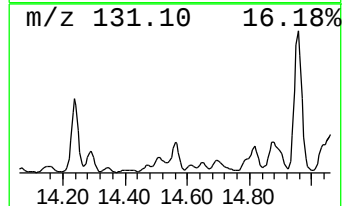
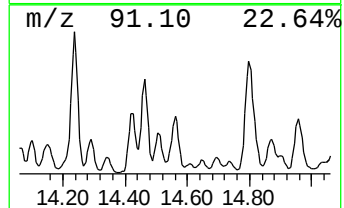
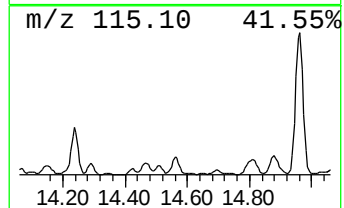
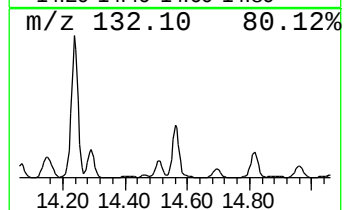
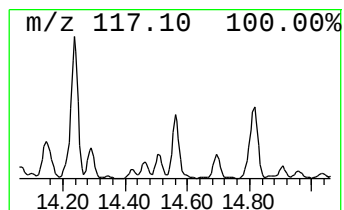
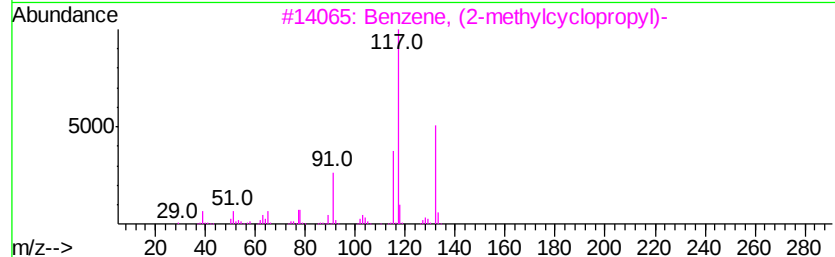
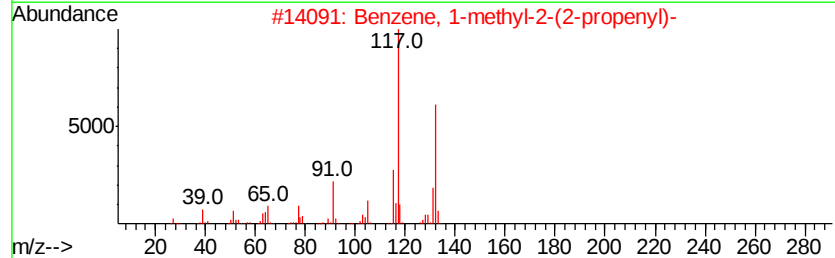
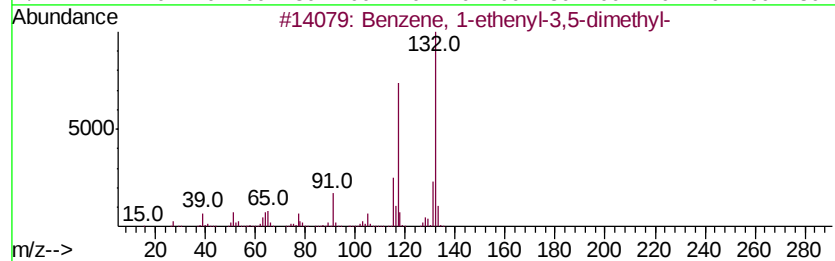
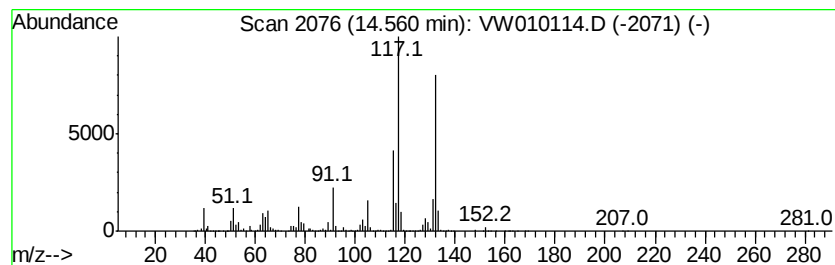
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Quant Title : VOC Analysis

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

Peak Number 22 Benzene, 1-ethenyl-3,5-dime... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	31.94 ug/L	9772180	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, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	95
3		Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	94
4		Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	94
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010114.D
Acq On : 24 Apr 2019 14:53
Operator : SY/VA
Sample : K2456-16
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

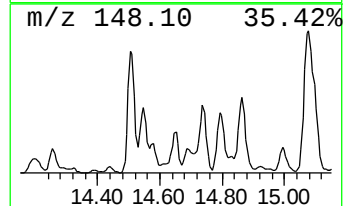
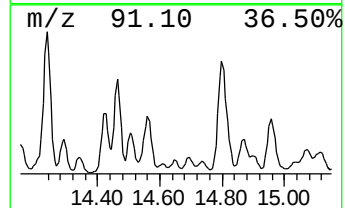
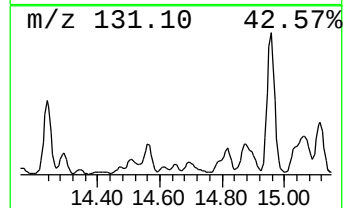
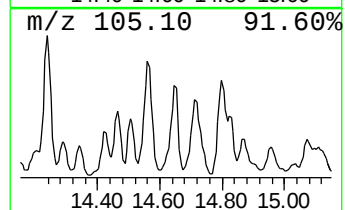
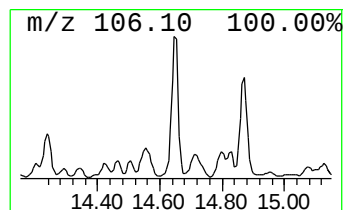
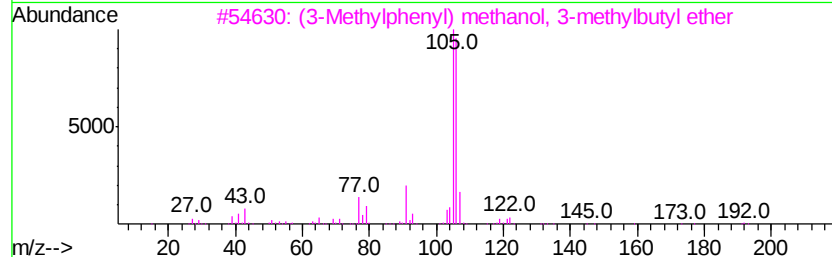
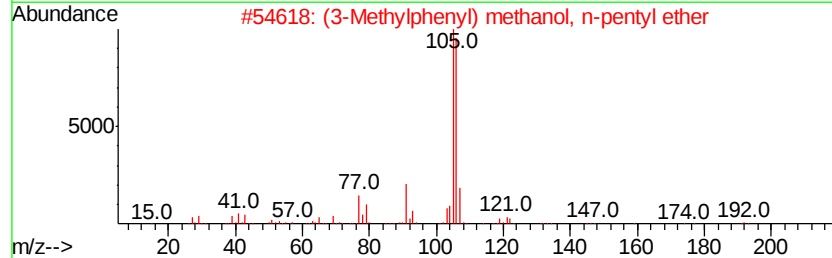
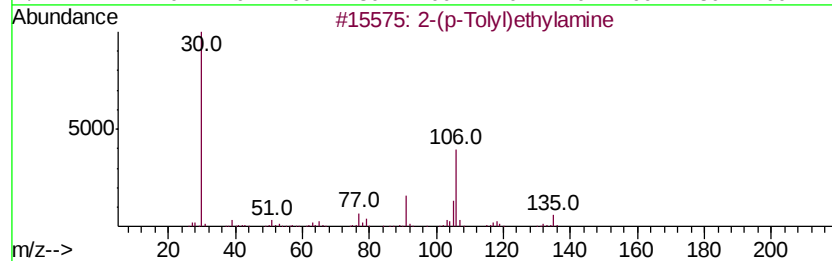
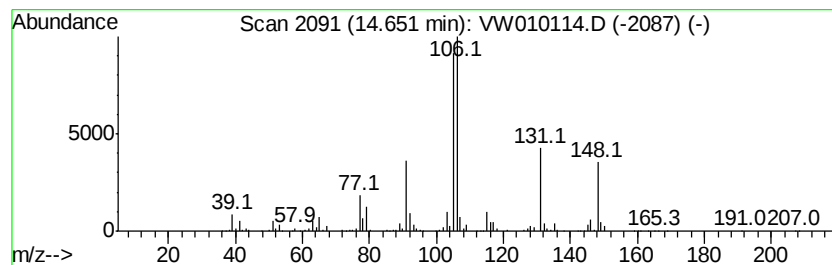
Instrument :
MSVOA_W
ClientSampleId :
GAHN6

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 23 unknown-01 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.65	2.74 ug/L	837910	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	2-(p-Tolyl)ethylamine	135 C9H13N	003261-62-9	47
2	(3-Methylphenyl) methanol, n-pen...	192 C13H20O	1000374-44-0	43
3	(3-Methylphenyl) methanol, 3-met...	192 C13H20O	1000374-58-6	43
4	(3-Methylphenyl) methanol, n-but...	178 C12H18O	1000374-44-2	43
5	(3-Methylphenyl) methanol, 2-met...	192 C13H20O	1000374-43-9	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010114.D
Acq On : 24 Apr 2019 14:53
Operator : SY/VA
Sample : K2456-16
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

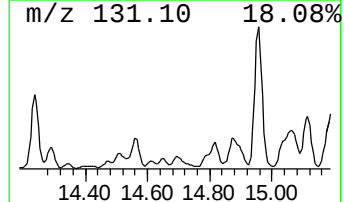
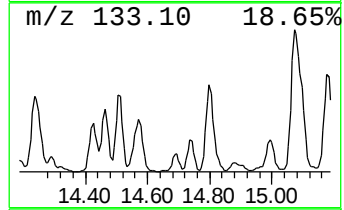
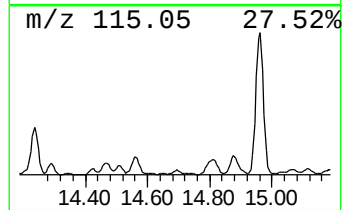
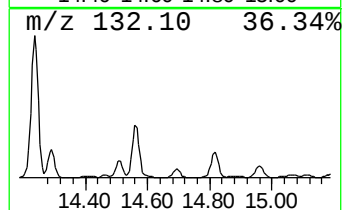
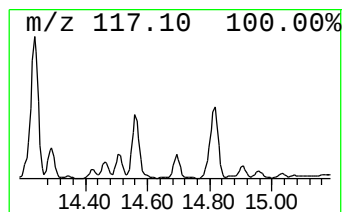
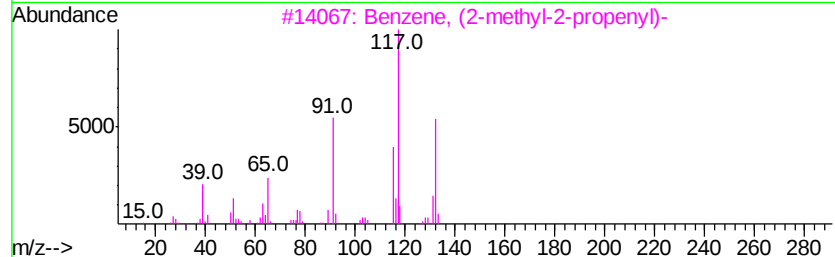
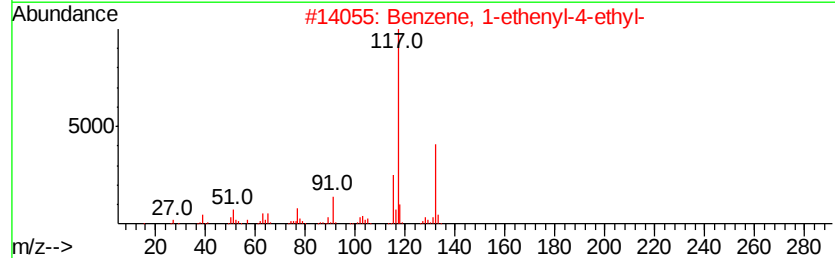
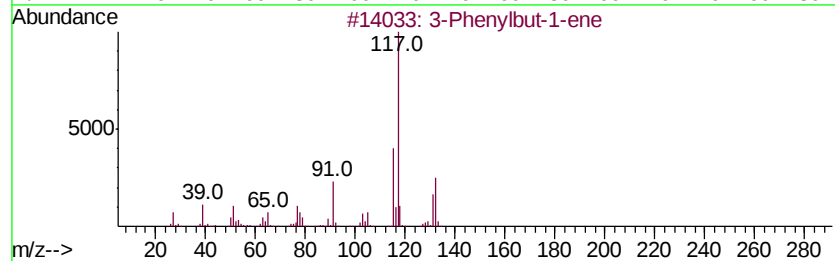
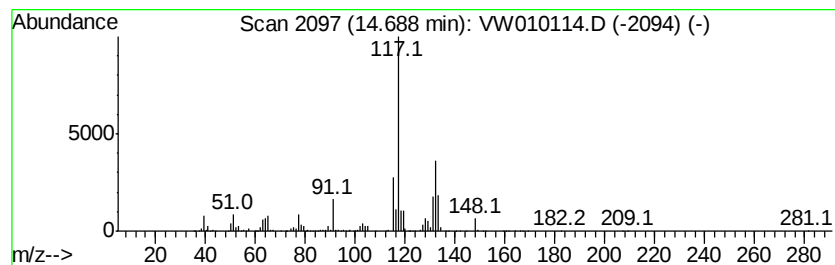
Instrument :
MSVOA_W
ClientSampleId :
GAHN6

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 24 3-Phenylbut-1-ene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	8.03 ug/L	2457740	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		3-Phenylbut-1-ene	132 C10H12	000934-10-1 90
2		Benzene, 1-ethenyl-4-ethyl-	132 C10H12	003454-07-7 81
3		Benzene, (2-methyl-2-propenyl)-	132 C10H12	003290-53-7 80
4		Benzene, 1-methyl-2-(2-propenyl)-	132 C10H12	001587-04-8 80
5		Indan, 1-methyl-	132 C10H12	000767-58-8 76



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010114.D
Acq On : 24 Apr 2019 14:53
Operator : SY/VA
Sample : K2456-16
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

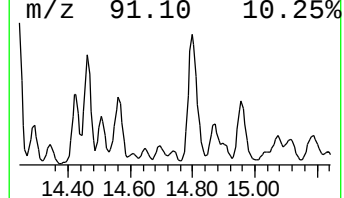
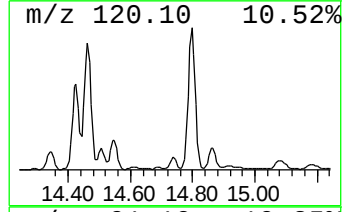
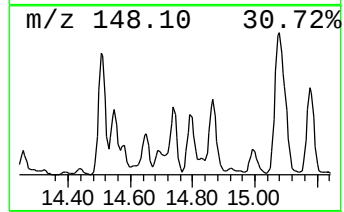
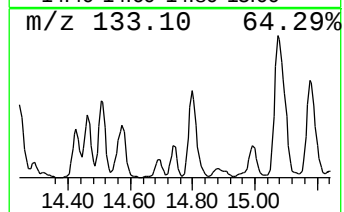
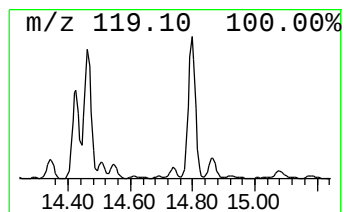
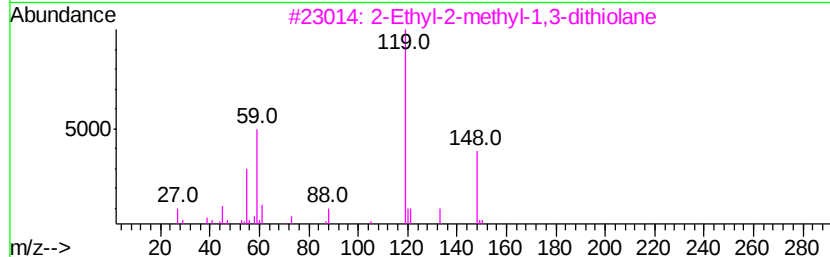
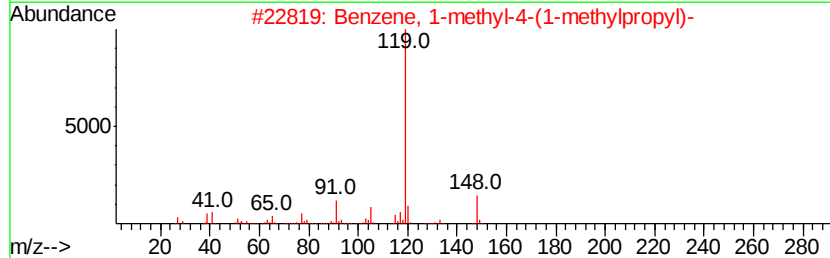
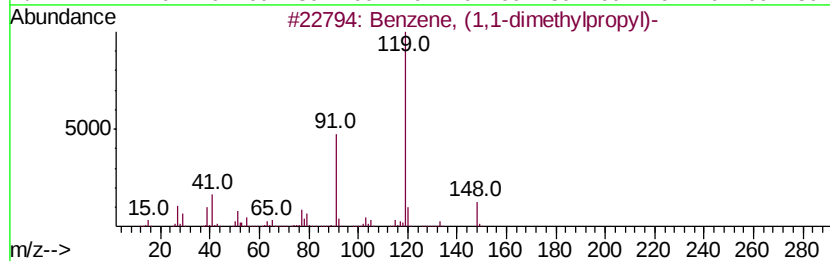
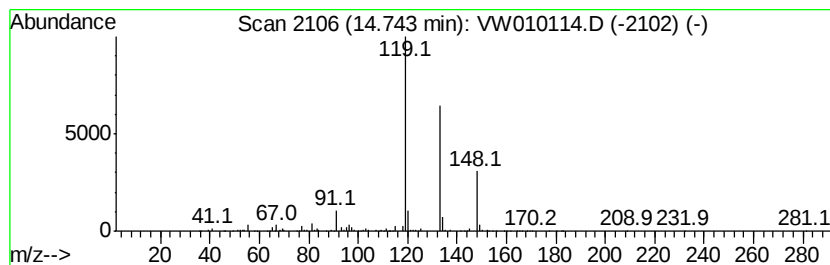
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 25 Benzene, (1,1-dimethylpropyl)- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	5.54 ug/L	1694130	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, (1,1-dimethylpropyl)-	148 C11H16	002049-95-8 53
2		Benzene, 1-methyl-4-(1-methylpro...	148 C11H16	001595-16-0 52
3		2-Ethyl-2-methyl-1,3-dithiolane	148 C6H12S2	006008-81-7 49
4		2-Propenal, 3-(2-pyridinylamino)-	148 C8H8N2O	068970-82-1 47
5		3,4-Dihydro-2-quinoxalinol	148 C8H8N2O	1000332-36-8 47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010114.D
Acq On : 24 Apr 2019 14:53
Operator : SY/VA
Sample : K2456-16
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHN6

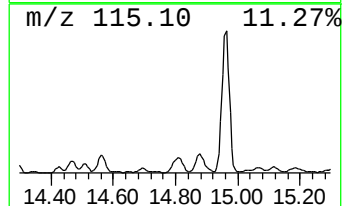
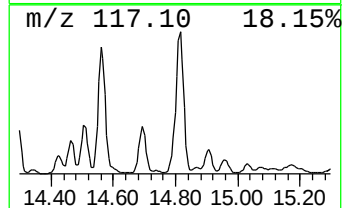
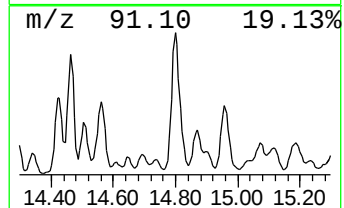
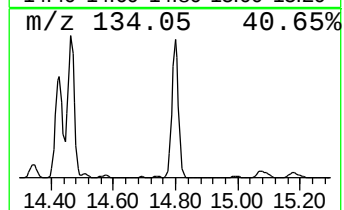
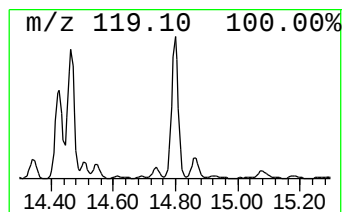
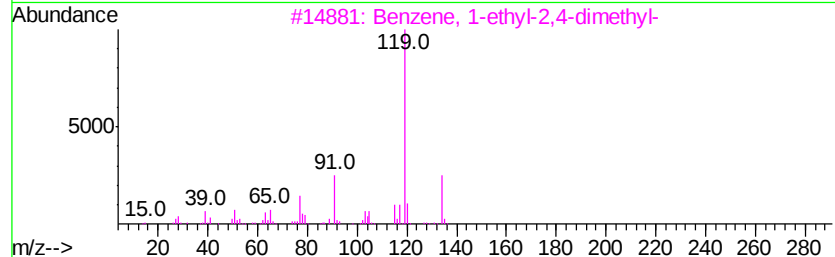
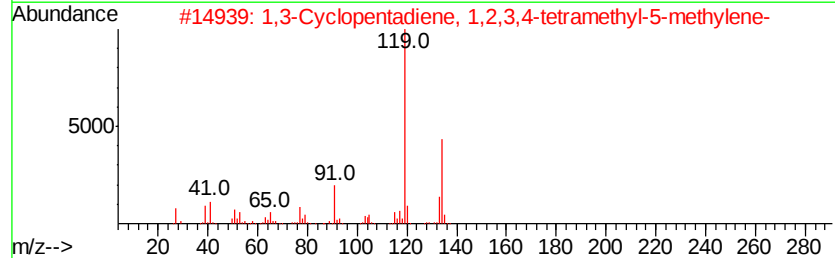
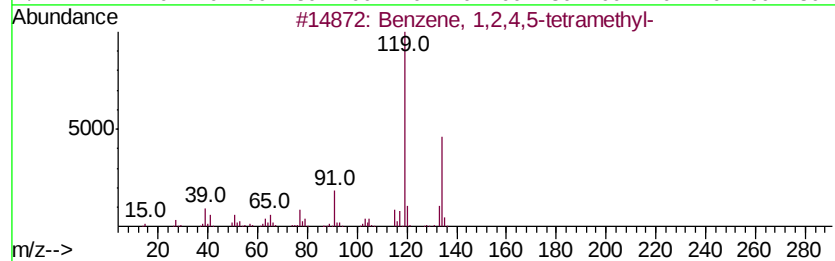
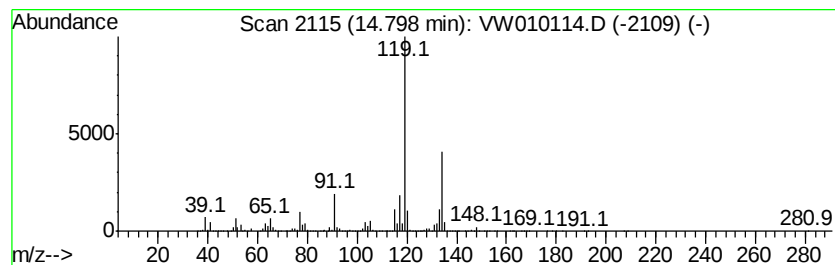
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Quant Title : VOC Analysis

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

Peak Number 26 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	73.68 ug/L	22545500	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	95
2		1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	93
3		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
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 : VW010114.D
Acq On : 24 Apr 2019 14:53
Operator : SY/VA
Sample : K2456-16
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHN6

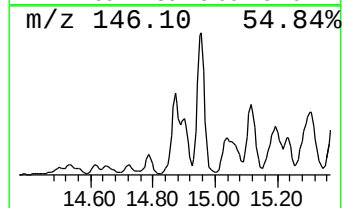
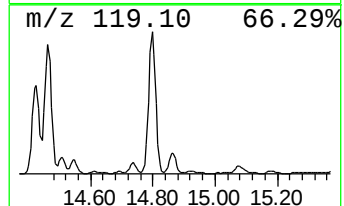
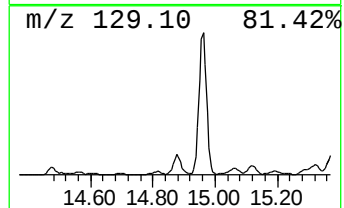
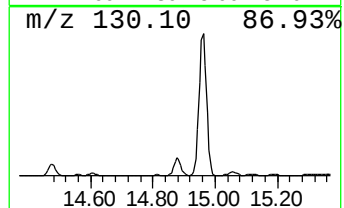
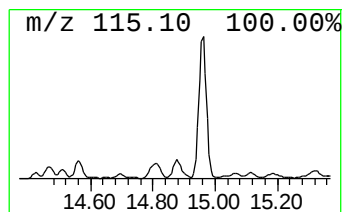
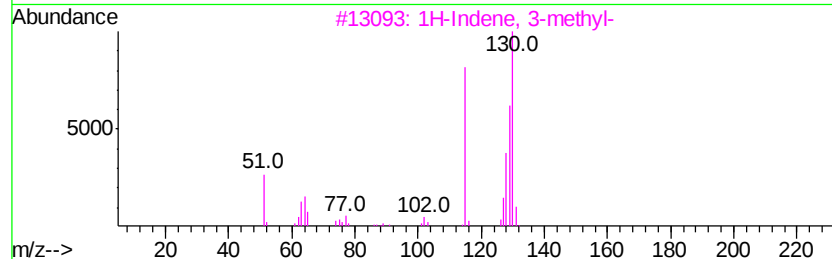
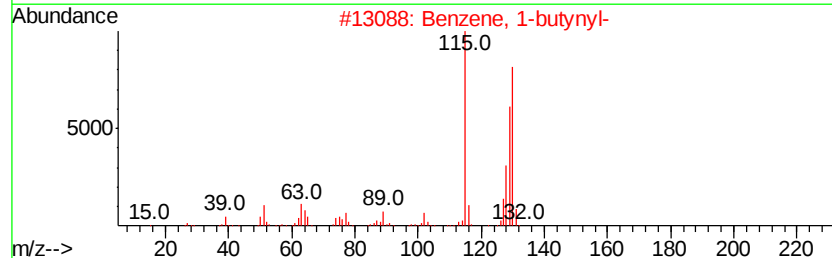
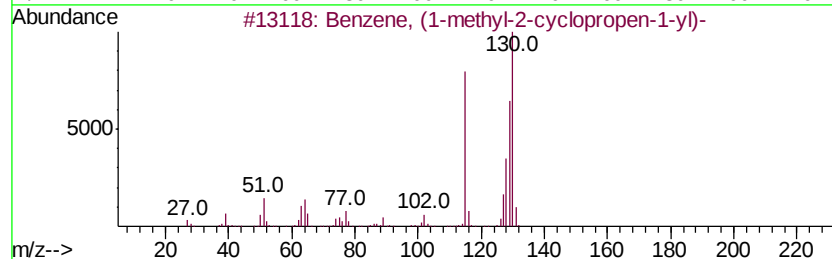
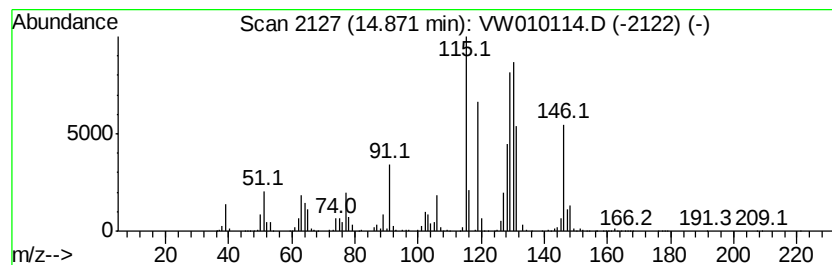
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Quant Title : VOC Analysis

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

Peak Number 27 Benzene, (1-methyl-2-cyclop... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	29.63 ug/L	9067150	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	60
2		Benzene, 1-butynyl-	130	C10H10	000622-76-4	60
3		1H-Indene, 3-methyl-	130	C10H10	000767-60-2	60
4		1H-Indene, 1-methyl-	130	C10H10	000767-59-9	60
5		Benzene, 1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	55



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010114.D
Acq On : 24 Apr 2019 14:53
Operator : SY/VA
Sample : K2456-16
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHN6

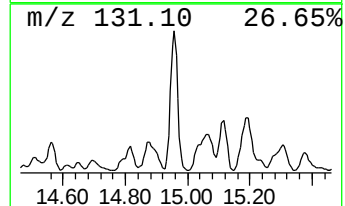
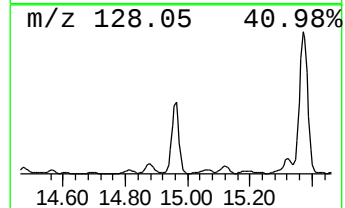
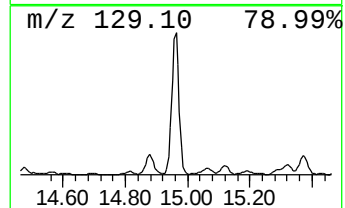
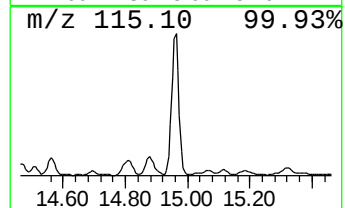
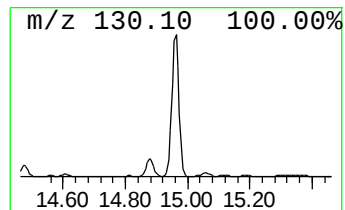
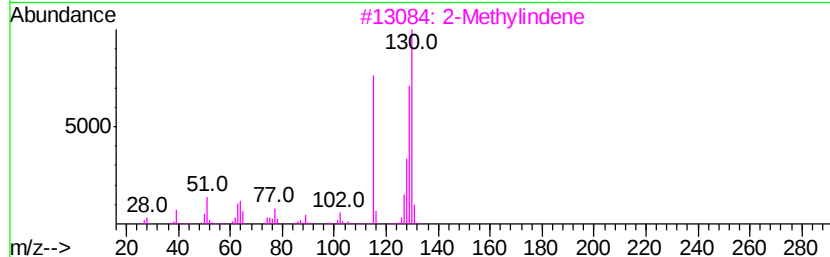
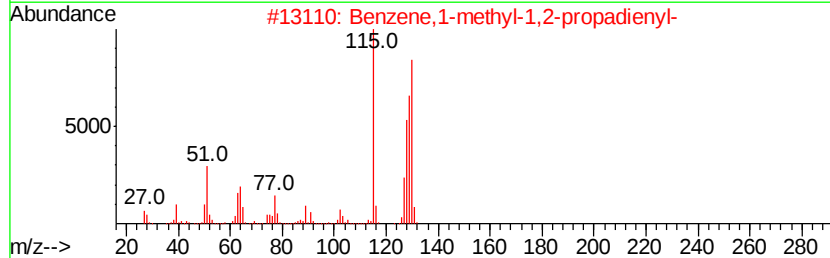
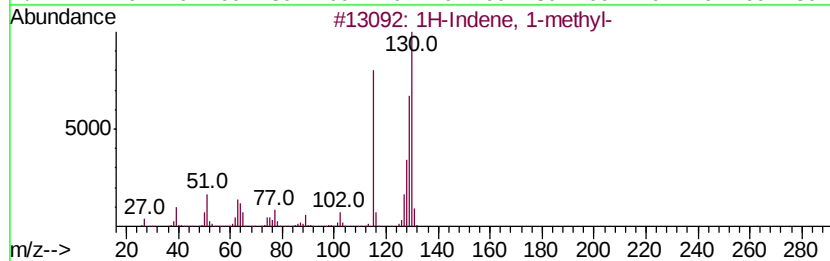
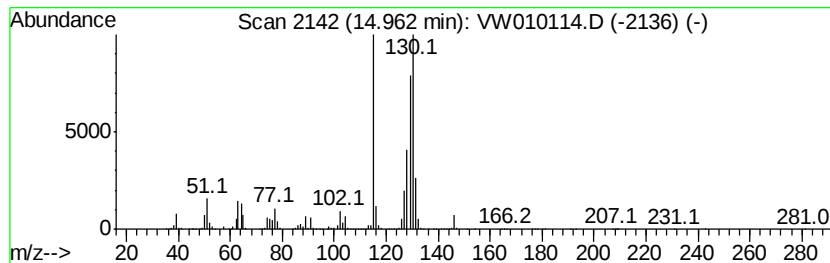
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Quant Title : VOC Analysis

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

Peak Number 28 1H-Indene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	133.49 ug/L	40846200	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
2		Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	95
3		2-Methylindene	130	C10H10	002177-47-1	94
4		Benzene, 1-butynyl-	130	C10H10	000622-76-4	93
5		1H-Indene, 1-methyl-	130	C10H10	000767-59-9	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010114.D
Acq On : 24 Apr 2019 14:53
Operator : SY/VA
Sample : K2456-16
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHN6

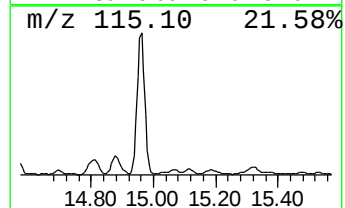
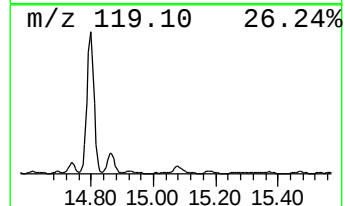
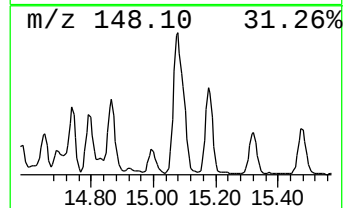
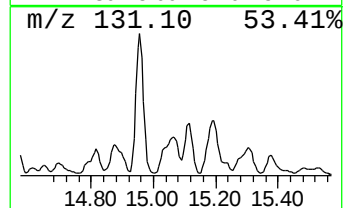
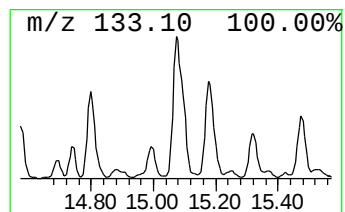
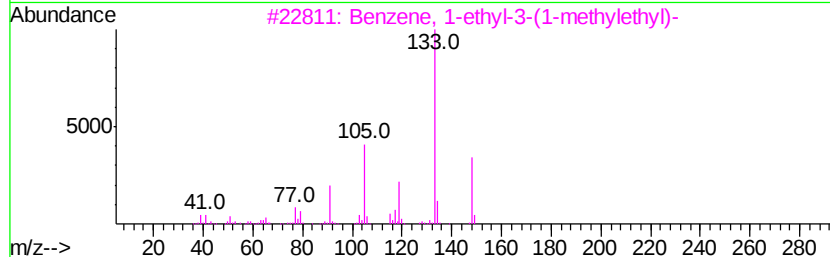
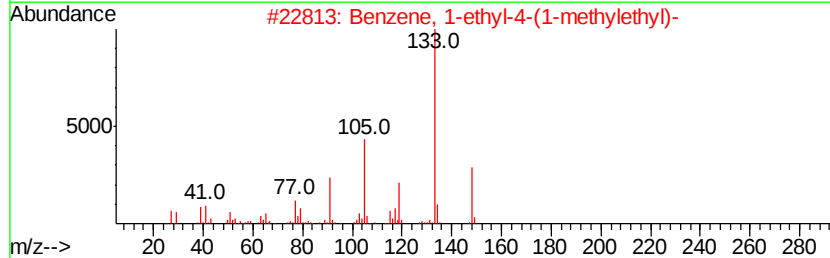
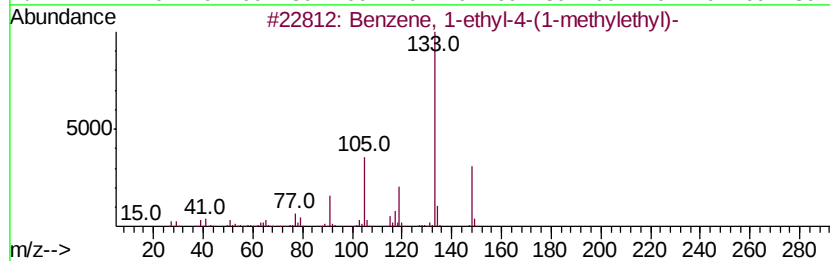
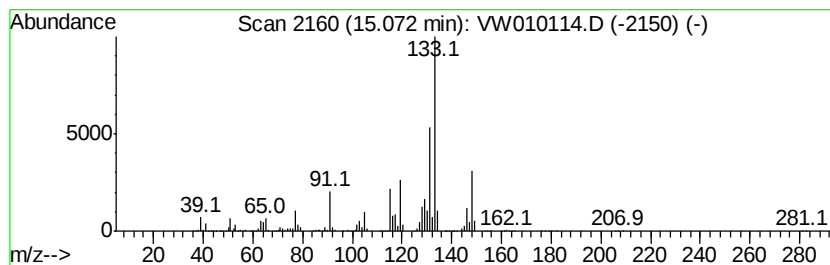
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Quant Title : VOC Analysis

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

Peak Number 29 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	20.53 ug/L	6281700	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	60
2		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	53
3		Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	53
4		Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	46
5		Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010114.D
Acq On : 24 Apr 2019 14:53
Operator : SY/VA
Sample : K2456-16
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHN6

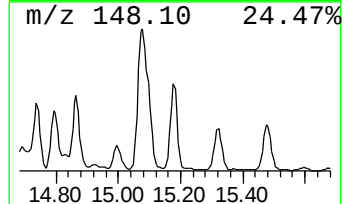
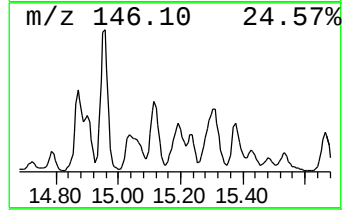
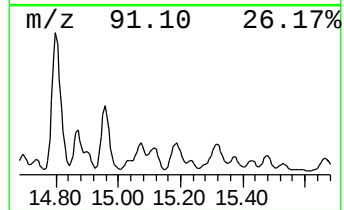
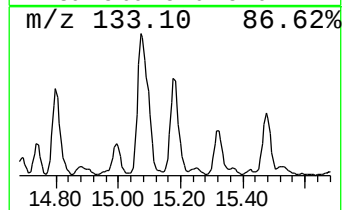
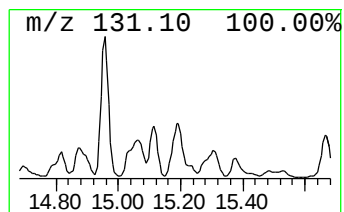
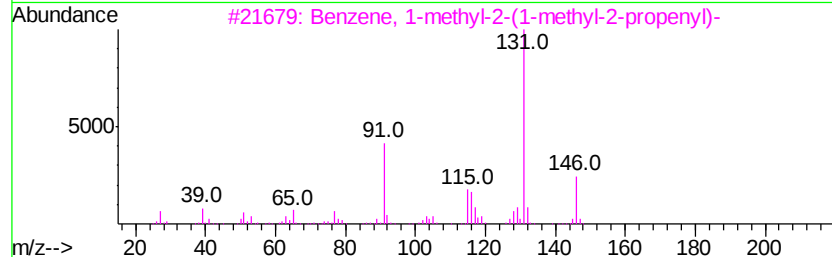
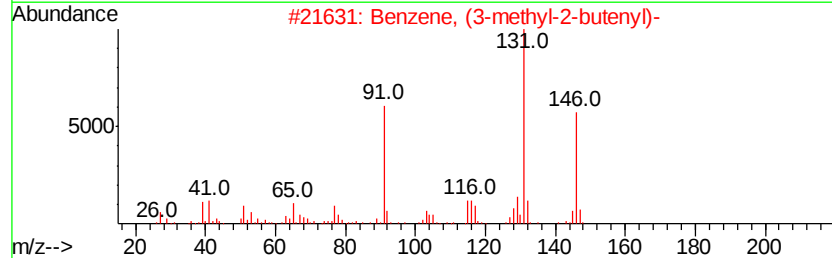
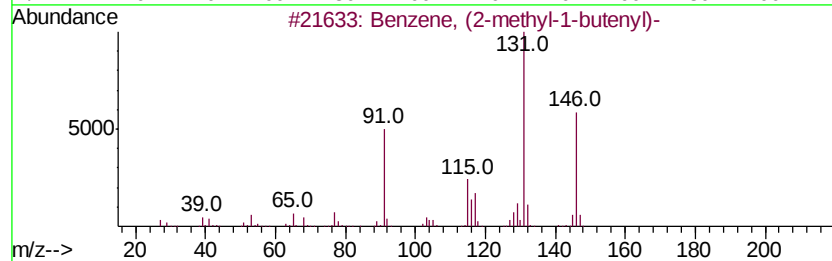
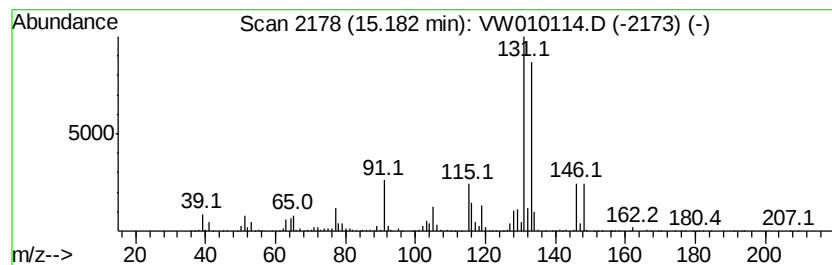
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Quant Title : VOC Analysis

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

Peak Number 30 Benzene, (2-methyl-1-butenyl)- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	17.58 ug/L	5378820	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	64
2		Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	64
3		Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	55
4		1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	50
5		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010114.D
Acq On : 24 Apr 2019 14:53
Operator : SY/VA
Sample : K2456-16
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

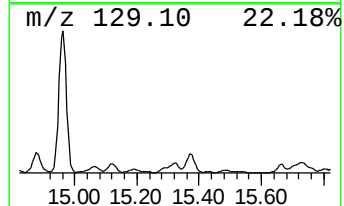
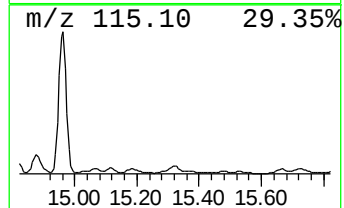
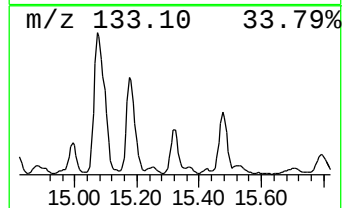
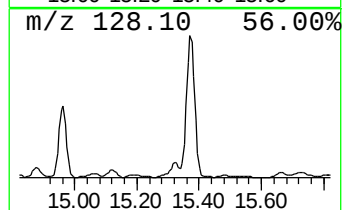
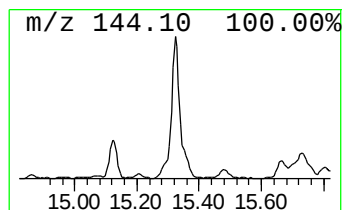
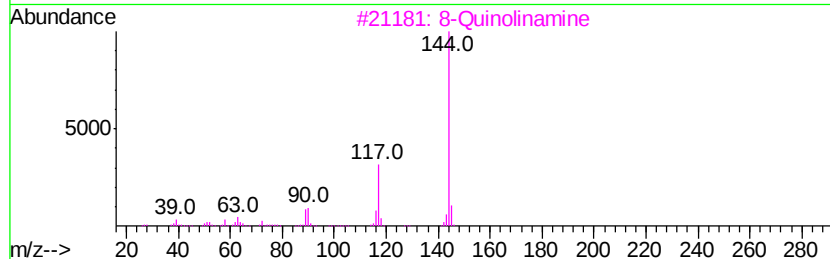
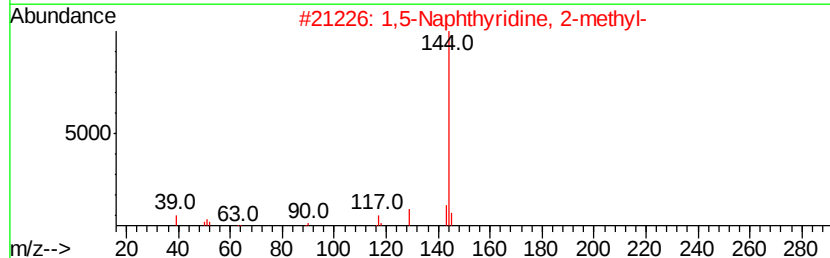
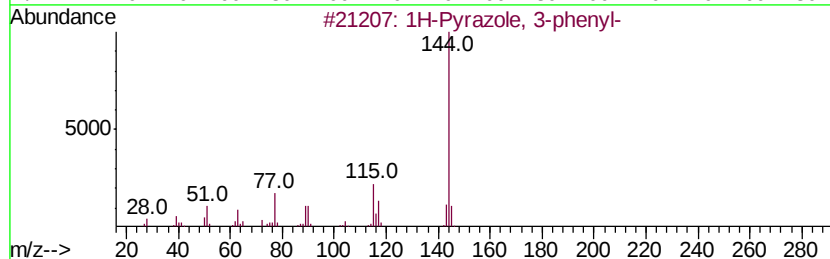
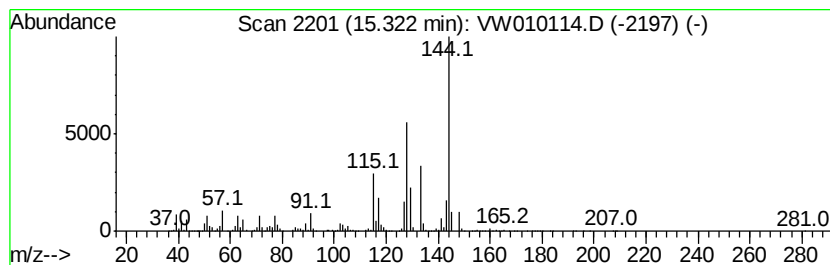
Instrument :
MSVOA_W
ClientSampleId :
GAHN6

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 31 unknown-02 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.		
15.32	12.73 ug/L	3896620	1,4-Dichlorobenzene-d4	13.56		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1H-Pyrazole, 3-phenyl-	144	C9H8N2	002458-26-6	46
2		1,5-Naphthyridine, 2-methyl-	144	C9H8N2	007675-32-3	43
3		8-Quinolinamine	144	C9H8N2	000578-66-5	38
4		1H-Imidazole, 4-phenyl-	144	C9H8N2	000670-95-1	38
5		Carbaril	201	C12H11NO2	000063-25-2	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010114.D
Acq On : 24 Apr 2019 14:53
Operator : SY/VA
Sample : K2456-16
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

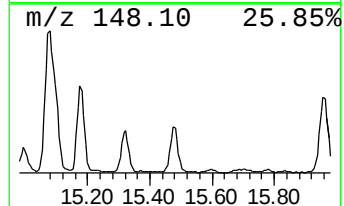
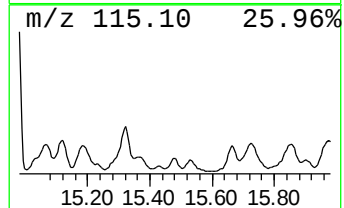
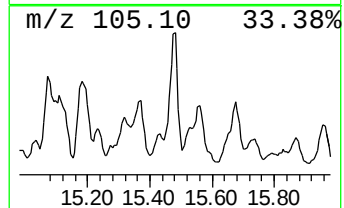
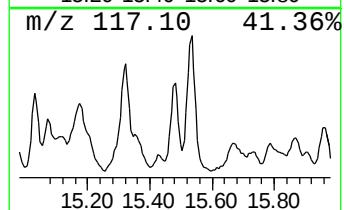
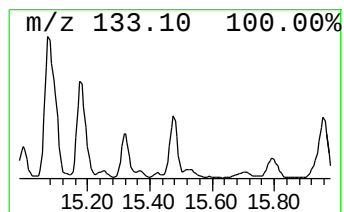
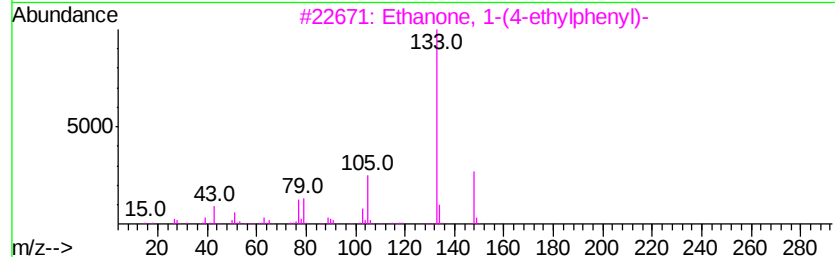
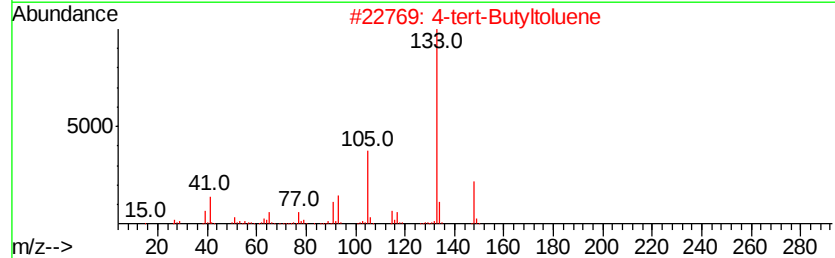
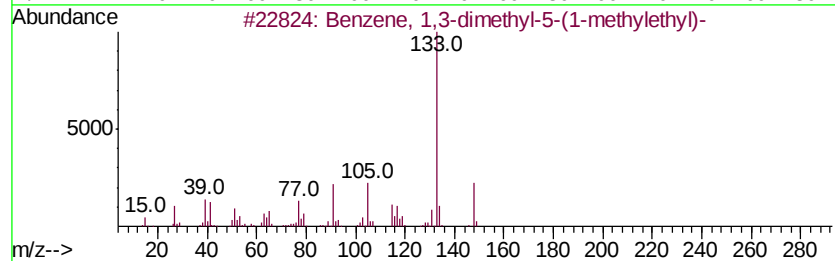
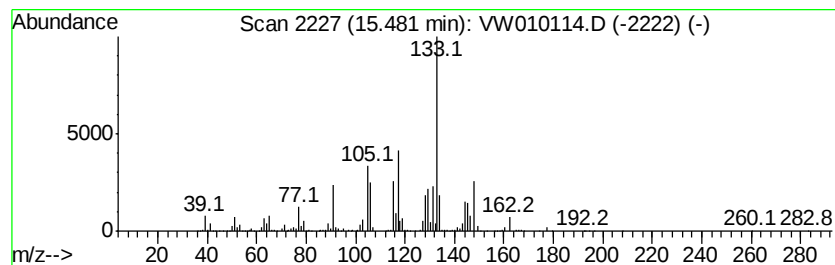
Instrument :
MSVOA_W
ClientSampleId :
GAHN6

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 33 unknown-03 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.48	6.53 ug/L	1999450	1,4-Dichlorobenzene-d4	13.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-5-(1-methyl-...	148	C11H16	004706-90-5	43
2	4-tert-Butyltoluene	148	C11H16	000098-51-1	38
3	Ethanone, 1-(4-ethylphenyl)-	148	C10H12O	000937-30-4	38
4	Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	38
5	Benzene, 1,4-dimethyl-2-(1-methyl-...	148	C11H16	004132-72-3	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010114.D
Acq On : 24 Apr 2019 14:53
Operator : SY/VA
Sample : K2456-16
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHN6

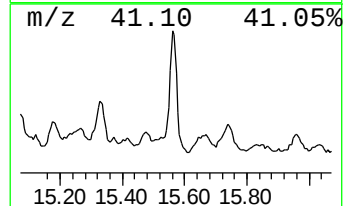
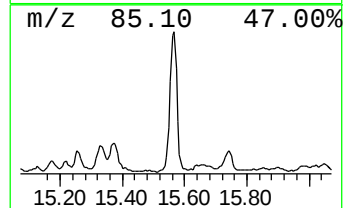
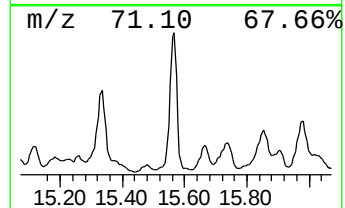
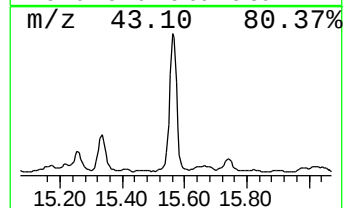
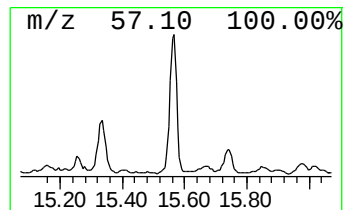
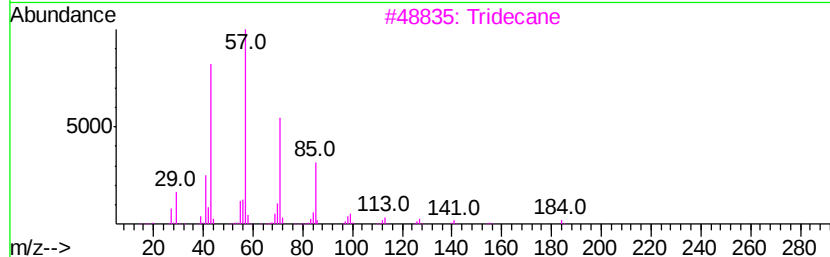
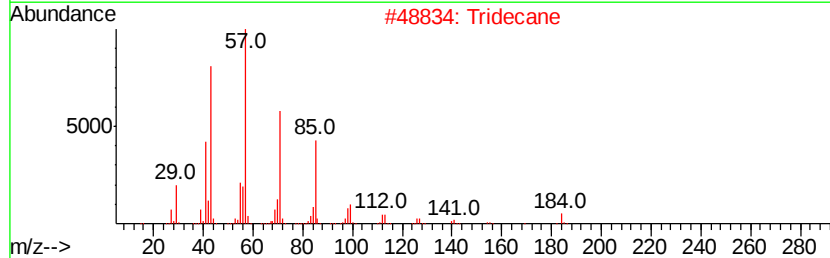
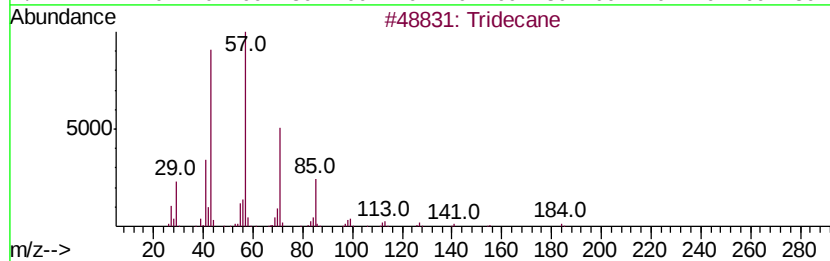
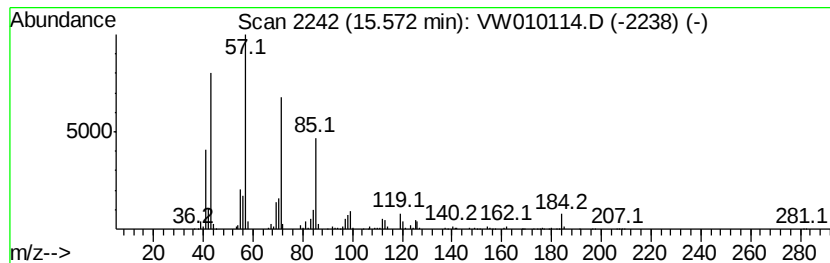
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Quant Title : VOC Analysis

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

Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	6.50 ug/L	1987540	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane	184	C13H28	000629-50-5	93
2		Tridecane	184	C13H28	000629-50-5	91
3		Tridecane	184	C13H28	000629-50-5	90
4		Tridecane	184	C13H28	000629-50-5	81
5		Dodecane	170	C12H26	000112-40-3	80



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010114.D
Acq On : 24 Apr 2019 14:53
Operator : SY/VA
Sample : K2456-16
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

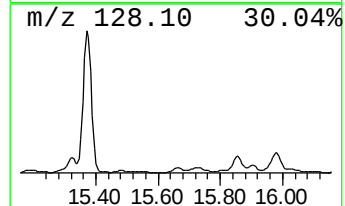
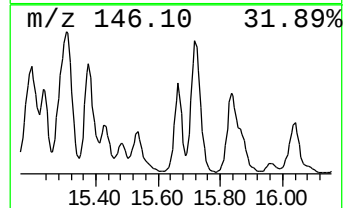
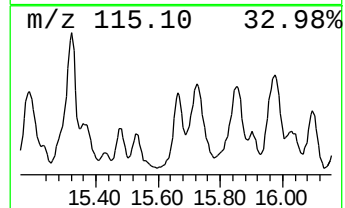
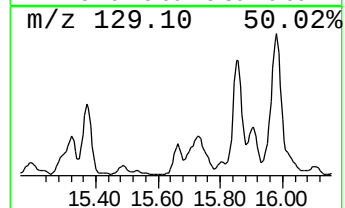
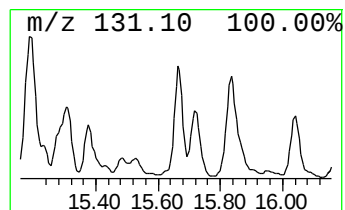
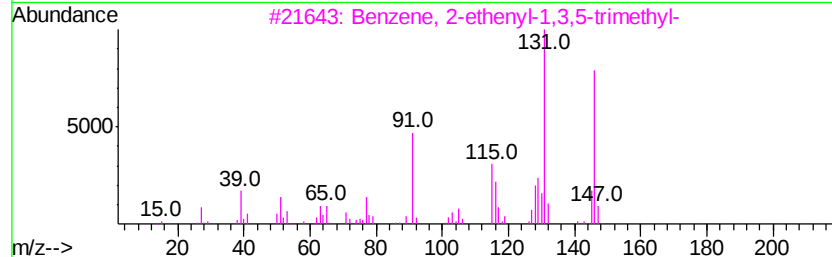
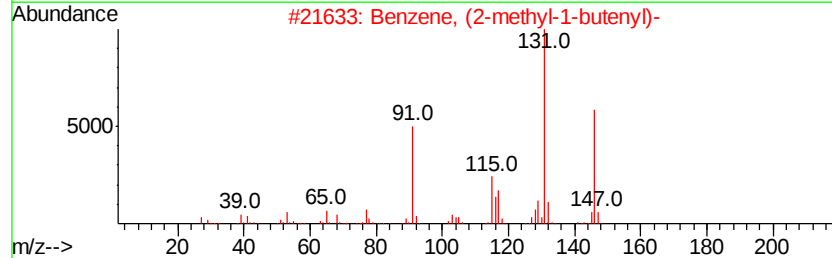
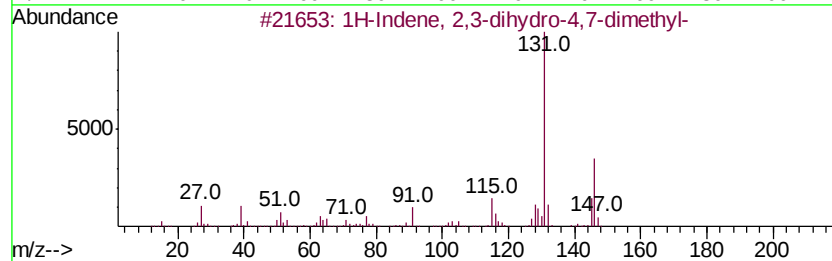
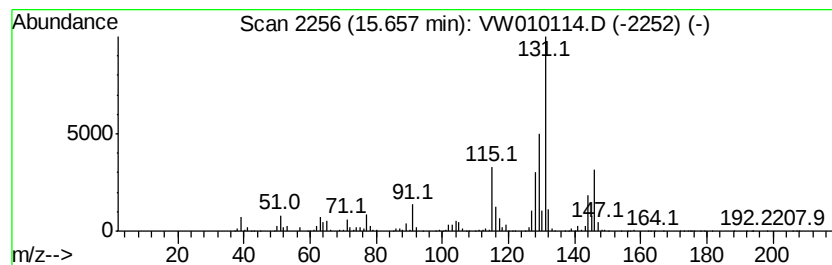
Instrument :
MSVOA_W
ClientSampleId :
GAHN6

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 35 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	11.05 ug/L	3382550	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146 C11H14	006682-71-9	62
2	Benzene, (2-methyl-1-butenyl)-	146 C11H14	056253-64-6	62
3	Benzene, 2-ethenyl-1,3,5-trimethyl-	146 C11H14	000769-25-5	59
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146 C11H14	006682-71-9	58
5	Benzene, (1,2-dimethyl-1-propenyl)-	146 C11H14	000769-57-3	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010114.D
Acq On : 24 Apr 2019 14:53
Operator : SY/VA
Sample : K2456-16
Misc : 5.01G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

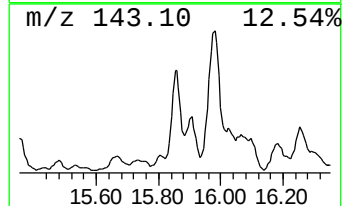
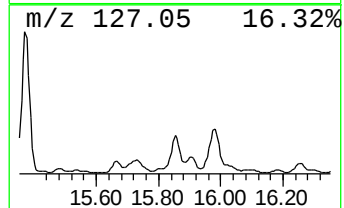
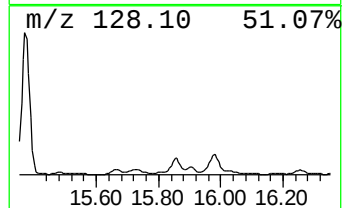
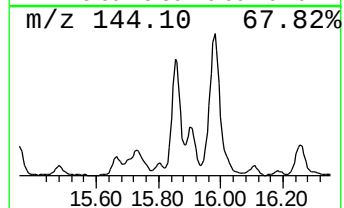
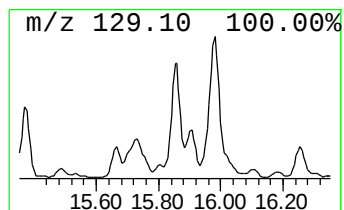
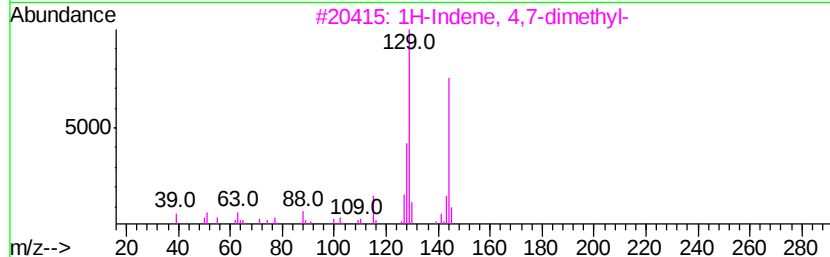
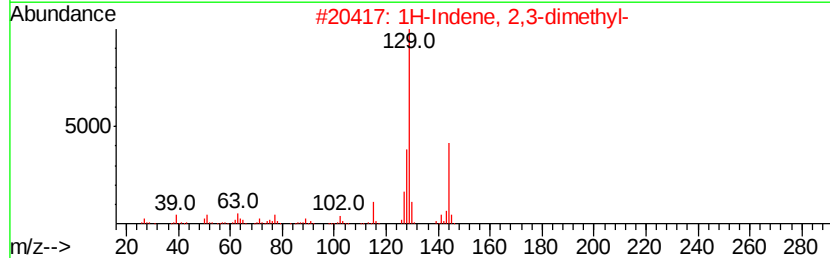
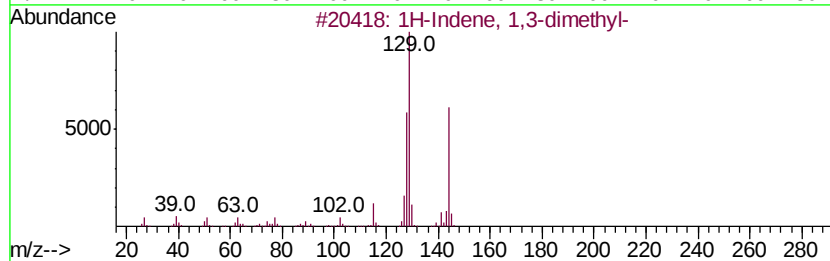
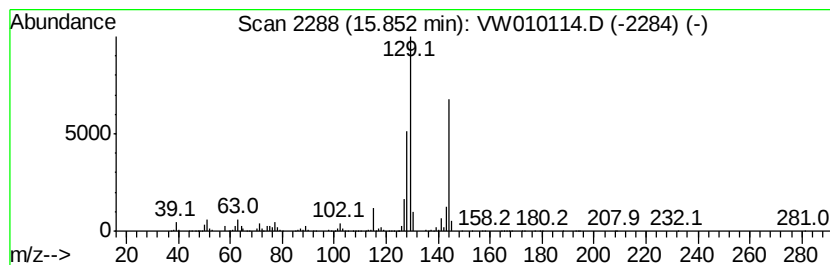
Instrument :
MSVOA_W
ClientSampleId :
GAHN6

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 36 1H-Indene, 1,3-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.85	14.11 ug/L	4316750	1,4-Dichlorobenzene-d4	13.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	96
2	1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	86
3	1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	80
4	Benzene, 1-cyclopenten-1-yl-	144	C11H12	000825-54-7	72
5	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	72



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW042419\
 Data File : VW010114.D
 Acq On : 24 Apr 2019 14:53
 Operator : SY/VA
 Sample : K2456-16
 Misc : 5.01G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAHN6

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, 1-ethyl-...	12.87	2.2	ug/L	680861	3	13.56	7649870	25.0
Benzene, 1,2,3-tr...	12.94	9.1	ug/L	2780810	3	13.56	7649870	25.0
Benzene, 1-ethyl-...	13.11	3.6	ug/L	1111320	3	13.56	7649870	25.0
Benzene, 1,2,4-tr...	13.26	23.3	ug/L	7120870	3	13.56	7649870	25.0
Benzene, 1-etheny...	13.30	19.8	ug/L	6046870	3	13.56	7649870	25.0
Benzene, cyclopro...	13.35	3.8	ug/L	1174230	3	13.56	7649870	25.0
Benzene, 1,2-diet...	13.72	3.7	ug/L	1135170	3	13.56	7649870	25.0
Benzene, 1-etheny...	13.76	6.7	ug/L	2035810	3	13.56	7649870	25.0
Benzene, 2-ethyl-...	13.79	18.6	ug/L	5686980	3	13.56	7649870	25.0
Indene	13.94	8.1	ug/L	2492170	3	13.56	7649870	25.0
Benzene, 2-butenyl-	14.04	16.8	ug/L	5142660	3	13.56	7649870	25.0
Benzene, 1-ethyl-...	14.10	11.5	ug/L	3524580	3	13.56	7649870	25.0
Benzene, 1-etheny...	14.15	14.1	ug/L	4316500	3	13.56	7649870	25.0
Benzene, 2-etheny...	14.29	15.1	ug/L	4613640	3	13.56	7649870	25.0
Benzene, 1,2,3,5-...	14.43	34.3	ug/L	10488300	3	13.56	7649870	25.0
Benzene, 2-etheny...	14.51	16.0	ug/L	4887090	3	13.56	7649870	25.0
Benzene, 1-etheny...	14.56	31.9	ug/L	9772180	3	13.56	7649870	25.0
unknown-01	14.65	2.7	ug/L	837910	3	13.56	7649870	25.0
3-Phenylbut-1-ene	14.69	8.0	ug/L	2457740	3	13.56	7649870	25.0
Benzene, (1,1-dim...	14.74	5.5	ug/L	1694130	3	13.56	7649870	25.0
Benzene, 1,2,4,5-...	14.80	73.7	ug/L	22545500	3	13.56	7649870	25.0
Benzene, (1-methy...	14.87	29.6	ug/L	9067150	3	13.56	7649870	25.0
1H-Indene, 1-methyl-	14.96	133.5	ug/L	40846200	3	13.56	7649870	25.0
Benzene, 1-ethyl-...	15.07	20.5	ug/L	6281700	3	13.56	7649870	25.0
Benzene, (2-methy...	15.18	17.6	ug/L	5378820	3	13.56	7649870	25.0
unknown-02	15.32	12.7	ug/L	3896620	3	13.56	7649870	25.0
unknown-03	15.48	6.5	ug/L	1999450	3	13.56	7649870	25.0
(DEL) Alkane: Str...	15.57	6.5	ug/L	1987540	3	13.56	7649870	25.0
1H-Indene, 2,3-di...	15.66	11.1	ug/L	3382550	3	13.56	7649870	25.0
1H-Indene, 1,3-di...	15.85	14.1	ug/L	4316750	3	13.56	7649870	25.0