

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020320\
 Data File : VW014844.D
 Acq On : 03 Feb 2020 19:35
 Operator : SY/VA
 Sample : L1323-03
 Misc : 5.09G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAT43

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\SOM2WLM020320S.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	2.349	70	73	82	rVB	39897	63786	1.96%	0.315%
2	2.885	156	161	170	rVB	45762	96836	2.98%	0.478%
3	3.269	222	224	229	rBV2	1110	1081	0.03%	0.005%
4	3.385	241	243	246	rVB4	938	871	0.03%	0.004%
5	3.806	310	312	316	rBV3	947	1529	0.05%	0.008%
6	3.891	324	326	328	rVV2	878	963	0.03%	0.005%
7	4.013	337	346	357	rVV	86312	227719	7.00%	1.123%
8	4.123	357	364	376	rVV2	10825	33984	1.05%	0.168%
9	4.483	421	423	428	rVB2	948	922	0.03%	0.005%
10	4.708	457	460	462	rBV3	1150	1178	0.04%	0.006%
11	4.915	486	494	506	rVB2	12683	39314	1.21%	0.194%
12	5.153	530	533	535	rBV3	1266	1657	0.05%	0.008%
13	5.171	535	536	542	rVB4	1822	2320	0.07%	0.011%
14	5.415	573	576	578	rBV3	1398	1657	0.05%	0.008%
15	5.525	592	594	598	rVB3	878	919	0.03%	0.005%
16	5.574	598	602	604	rBV4	643	1029	0.03%	0.005%
17	5.787	633	637	638	rVB2	831	996	0.03%	0.005%
18	5.805	638	640	642	rBV2	1114	853	0.03%	0.004%
19	5.934	658	661	663	rBV3	1499	2039	0.06%	0.010%
20	6.129	686	693	697	rBV5	1170	2910	0.09%	0.014%
21	6.409	736	739	741	rBV3	630	864	0.03%	0.004%
22	6.598	768	770	775	rVB5	922	960	0.03%	0.005%
23	6.714	784	789	793	rBV6	799	1578	0.05%	0.008%
24	6.927	821	824	825	rBV3	795	823	0.03%	0.004%
25	6.976	828	832	833	rBV4	854	1066	0.03%	0.005%
26	7.019	836	839	840	rVB3	943	961	0.03%	0.005%
27	7.086	840	850	852	rBV	26389	63733	1.96%	0.314%
28	7.135	853	858	874	rVV	47801	140740	4.33%	0.694%
29	7.263	877	879	881	rVB3	1123	1003	0.03%	0.005%
30	7.549	925	926	930	rVB3	1067	1333	0.04%	0.007%
31	7.647	930	942	954	rBV	128900	322999	9.93%	1.593%
32	7.762	959	961	965	rVB3	913	1042	0.03%	0.005%
33	7.817	967	970	975	rBV3	657	1087	0.03%	0.005%
34	7.897	980	983	985	rBV3	990	1134	0.03%	0.006%

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 Title : VOC Analysis

35	7.933	987	989	992	rBV4	1350	1836	0.06%	0.009%
36	8.025	1001	1004	1009	rVB5	2461	4277	0.13%	0.021%
37	8.128	1017	1021	1023	rBV4	893	1580	0.05%	0.008%
38	8.153	1023	1025	1030	rVV5	1551	1898	0.06%	0.009%
39	8.275	1031	1045	1063	rVV2	252591	776978	23.90%	3.833%
40	8.396	1063	1065	1067	rBV2	1285	1481	0.05%	0.007%
41	8.567	1088	1093	1099	rBV7	3362	7049	0.22%	0.035%
42	8.842	1127	1138	1146	rBV	190962	385742	11.86%	1.903%
43	9.073	1173	1176	1178	rBV3	1102	1295	0.04%	0.006%
44	9.134	1184	1186	1190	rVB3	1013	1088	0.03%	0.005%
45	9.274	1200	1209	1217	rBV	191278	400301	12.31%	1.975%
46	9.402	1229	1230	1233	rVB3	1430	942	0.03%	0.005%
47	9.597	1259	1262	1263	rBV3	1002	1291	0.04%	0.006%
48	9.658	1270	1272	1276	rVB4	1972	2480	0.08%	0.012%
49	9.744	1283	1286	1287	rVV3	1307	1255	0.04%	0.006%
50	9.762	1287	1289	1290	rVB2	1656	1004	0.03%	0.005%
51	9.890	1306	1310	1311	rBV4	969	802	0.02%	0.004%
52	9.988	1324	1326	1327	rBV2	1167	1102	0.03%	0.005%
53	10.030	1327	1333	1343	rBV	83768	156436	4.81%	0.772%
54	10.219	1359	1364	1367	rVB5	2585	4487	0.14%	0.022%
55	10.323	1373	1381	1387	rBV	295269	523197	16.09%	2.581%
56	10.384	1387	1391	1399	rVB	26046	48825	1.50%	0.241%
57	10.536	1409	1416	1417	rBV3	2381	4846	0.15%	0.024%
58	10.573	1417	1422	1433	rVV	52260	100559	3.09%	0.496%
59	10.701	1437	1443	1449	rBV	33704	60566	1.86%	0.299%
60	10.859	1463	1469	1473	rBV7	3977	7178	0.22%	0.035%
61	10.920	1473	1479	1487	rBV	85356	158414	4.87%	0.781%
62	11.061	1496	1502	1508	rBV2	29276	51610	1.59%	0.255%
63	11.439	1560	1564	1571	rVB	14886	25944	0.80%	0.128%
64	11.628	1589	1595	1605	rVB	269354	470088	14.46%	2.319%
65	12.170	1680	1684	1688	rBV5	4866	9779	0.30%	0.048%
66	12.329	1708	1710	1712	rBV3	2709	3093	0.10%	0.015%
67	12.609	1750	1756	1763	rVB	49238	86933	2.67%	0.429%
68	12.688	1763	1769	1777	rVB	129596	225924	6.95%	1.115%
69	12.749	1777	1779	1782	rBV3	3032	4410	0.14%	0.022%
70	12.938	1806	1810	1820	rVB3	36325	72348	2.23%	0.357%
71	13.255	1857	1862	1863	rBV3	19697	27641	0.85%	0.136%

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72	13.298	1865	1869	1882	rVB5	50606	135814	4.18%	0.670%
73	13.560	1906	1912	1924	rBV2	177808	365623	11.24%	1.804%
74	13.713	1934	1937	1940	rBV5	13033	20631	0.63%	0.102%
75	13.786	1945	1949	1954	rVV	94423	140364	4.32%	0.692%
76	13.853	1954	1960	1970	rVV	211465	375802	11.56%	1.854%
77	14.036	1987	1990	1995	rVV	45269	65600	2.02%	0.324%
78	14.097	1997	2000	2004	rVB	78981	101122	3.11%	0.499%
79	14.145	2004	2008	2012	rVB2	28746	48208	1.48%	0.238%
80	14.231	2017	2022	2027	rVB	776711	1108625	34.10%	5.469%
81	14.286	2027	2031	2035	rVB	108247	158982	4.89%	0.784%
82	14.334	2036	2039	2044	rVB	63508	86033	2.65%	0.424%
83	14.420	2048	2053	2055	rBV	181679	273639	8.42%	1.350%
84	14.456	2055	2059	2063	rVV	566998	811460	24.96%	4.003%
85	14.499	2063	2066	2070	rVV3	192972	299092	9.20%	1.475%
86	14.554	2071	2075	2080	rVB3	224481	376567	11.58%	1.858%
87	14.688	2093	2097	2100	rBV2	52039	84442	2.60%	0.417%
88	14.725	2100	2103	2108	rVB2	70290	108006	3.32%	0.533%
89	14.792	2108	2114	2121	rBV2	686581	1361337	41.87%	6.716%
90	14.859	2121	2125	2135	rVV6	201202	504903	15.53%	2.491%
91	14.950	2135	2140	2148	rVB2	798592	1328539	40.86%	6.554%
92	15.176	2172	2177	2183	rBV3	175003	421156	12.95%	2.078%
93	15.316	2195	2200	2205	rVB4	380494	654931	20.14%	3.231%
94	15.554	2236	2239	2245	rVB	181713	253722	7.80%	1.252%
95	15.657	2253	2256	2260	rVV	130966	187180	5.76%	0.923%
96	15.712	2261	2265	2273	rVB3	228126	510750	15.71%	2.520%
97	15.846	2282	2287	2292	rVB2	417192	710652	21.86%	3.506%
98	15.968	2300	2307	2312	rBV3	564937	1265675	38.93%	6.244%
99	16.438	2379	2384	2390	rBV	318410	603848	18.57%	2.979%
100	16.645	2410	2418	2427	rVB	1434240	3251430	100.00%	16.040%

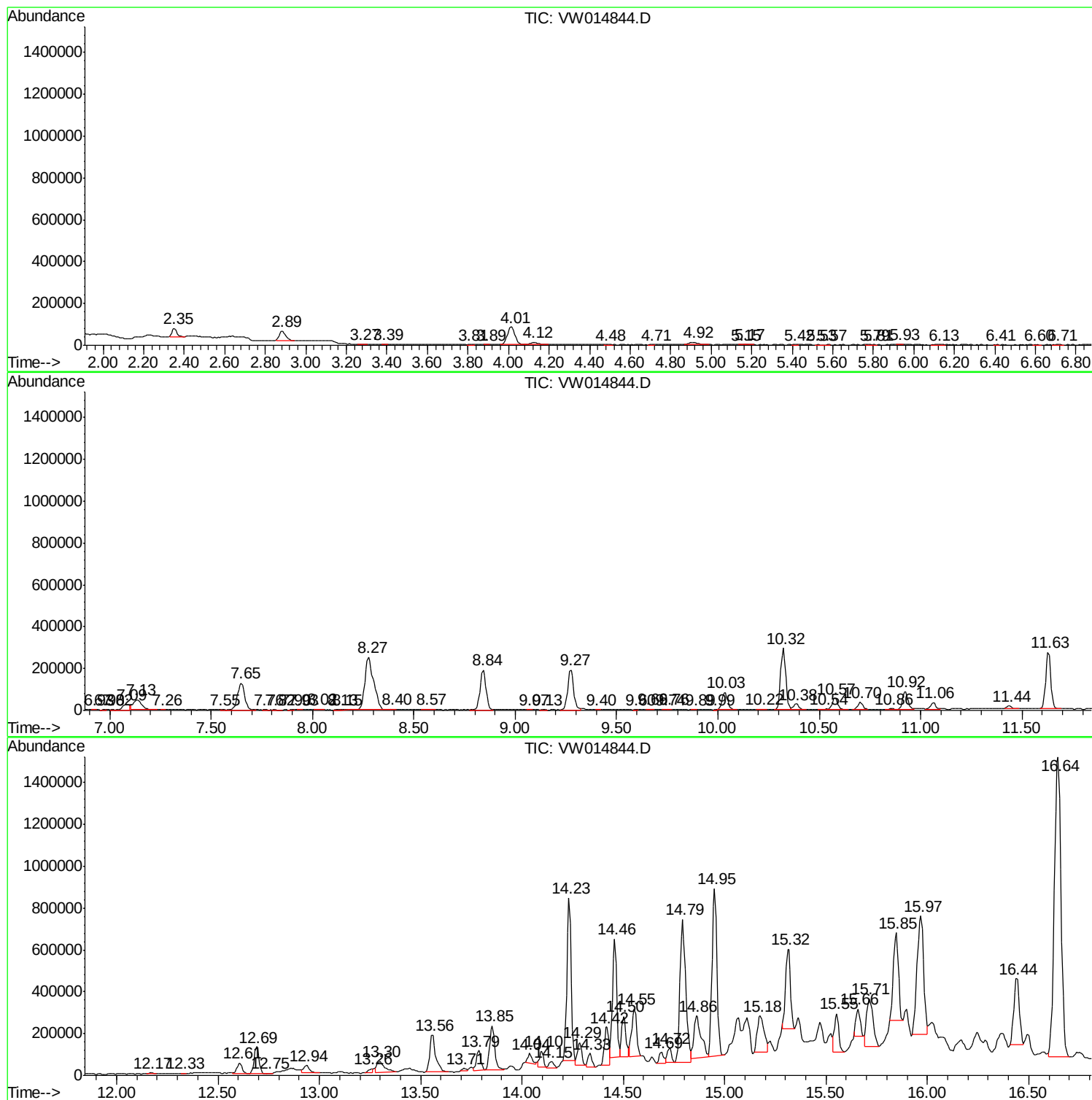
Sum of corrected areas: 20270698

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020320S.M
Quant Title : VOC Analysis

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



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Instrument :
MSVOA_W
ClientSampled :
GAT43

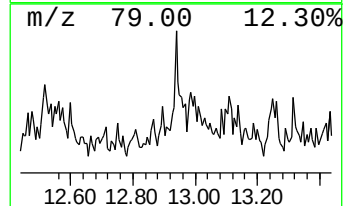
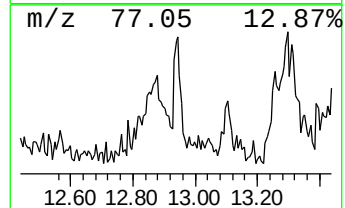
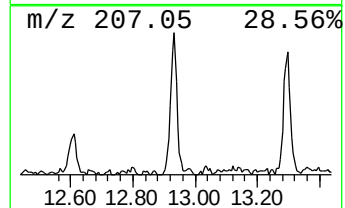
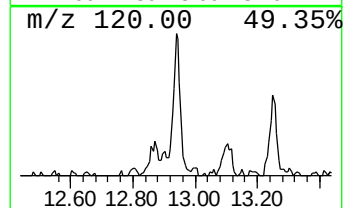
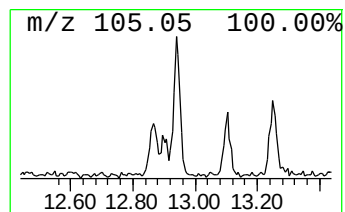
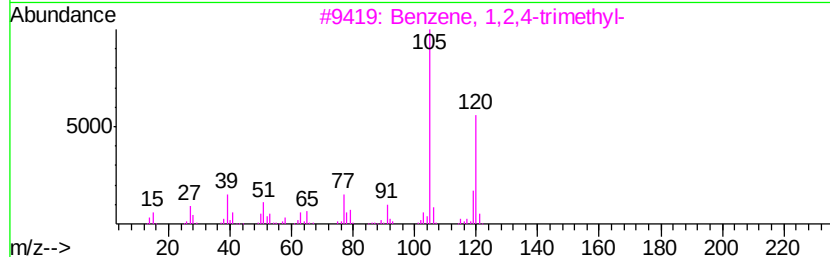
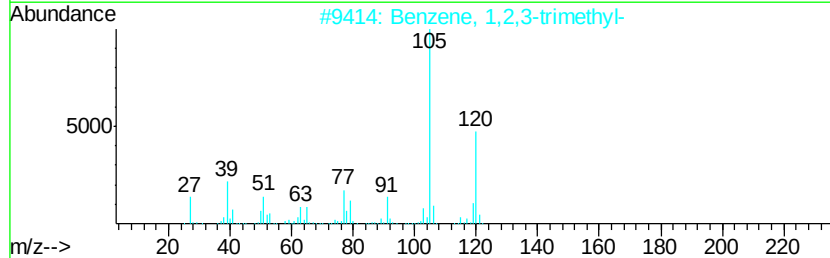
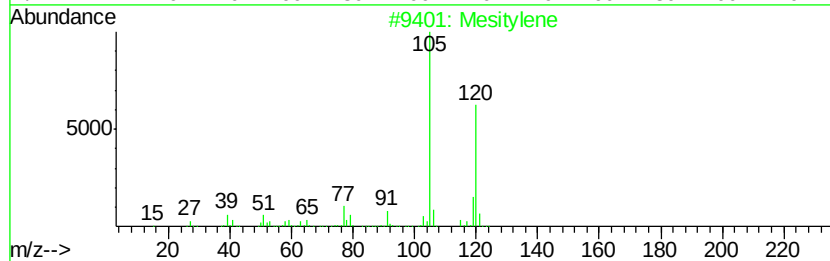
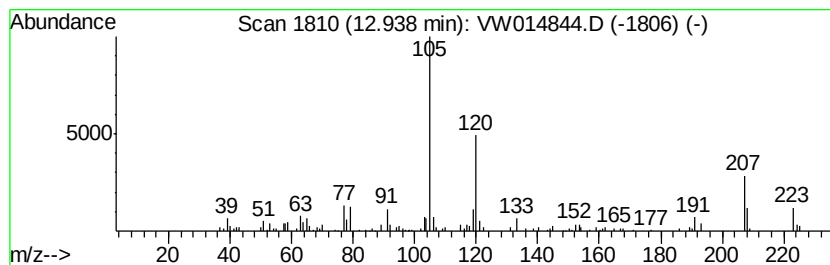
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020320S.M
Quant Title : VOC Analysis

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

Peak Number 6 Mesitylene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	4.95 ug/L	72348	1,4-Dichlorobenzene-d4	13.55

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene		120	C9H12	000108-67-8	55
2	Benzene, 1,2,3-trimethyl-		120	C9H12	000526-73-8	55
3	Benzene, 1,2,4-trimethyl-		120	C9H12	000095-63-6	55
4	Mesitylene		120	C9H12	000108-67-8	55
5	Benzene, 1,2,4-trimethyl-		120	C9H12	000095-63-6	55



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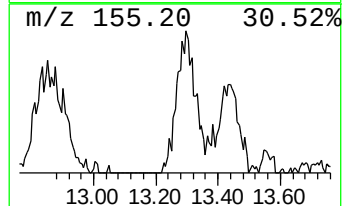
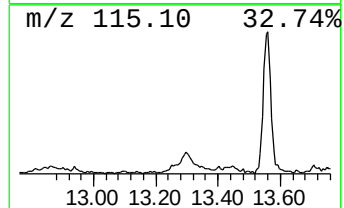
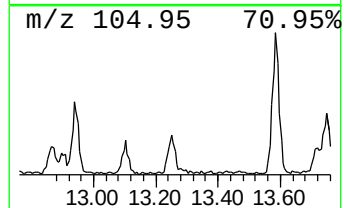
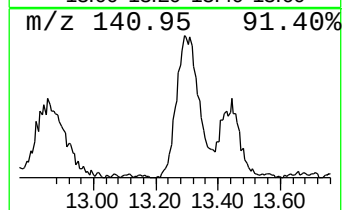
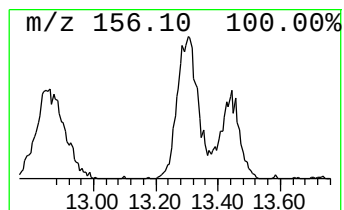
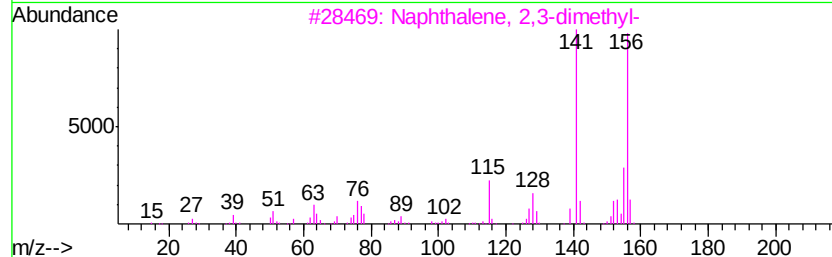
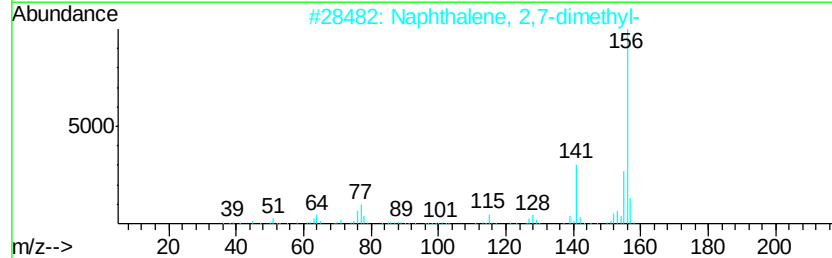
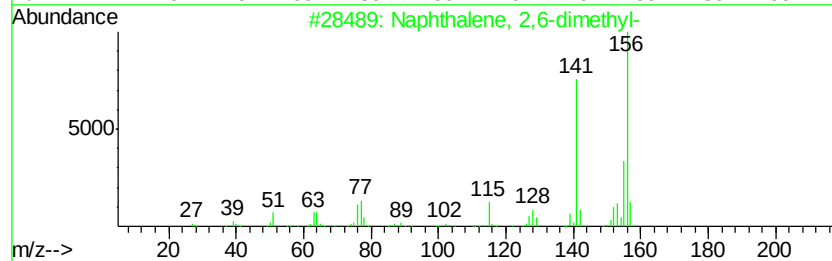
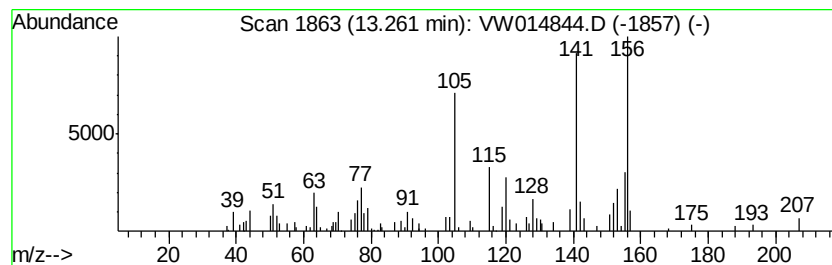
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Quant Title : VOC Analysis

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

Peak Number 7 Naphthalene, 2,6-dimethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	1.89 ug/L	27641	1,4-Dichlorobenzene-d4	13.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0 91
2		Naphthalene, 2,7-dimethyl-	156 C12H12	000582-16-1 70
3		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 64
4		Naphthalene, 1,7-dimethyl-	156 C12H12	000575-37-1 64
5		Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0 64



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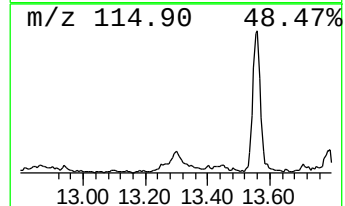
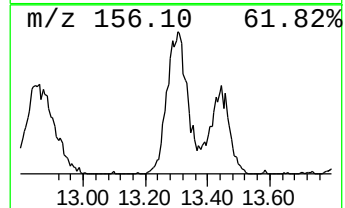
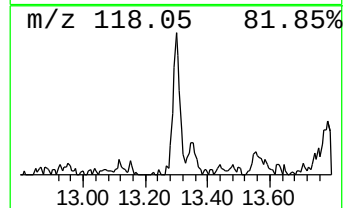
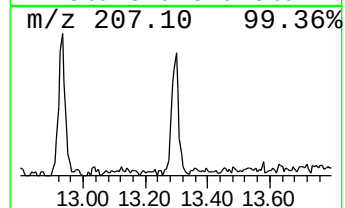
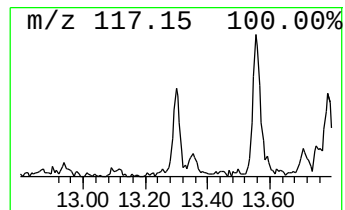
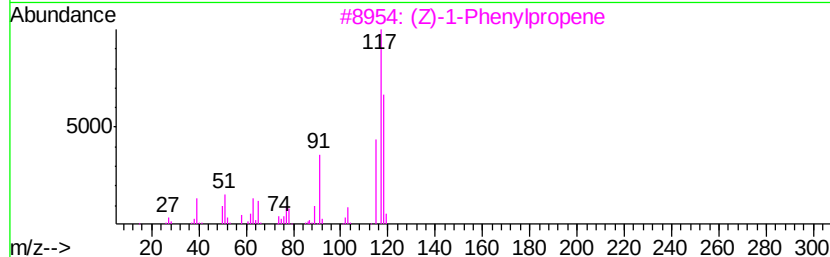
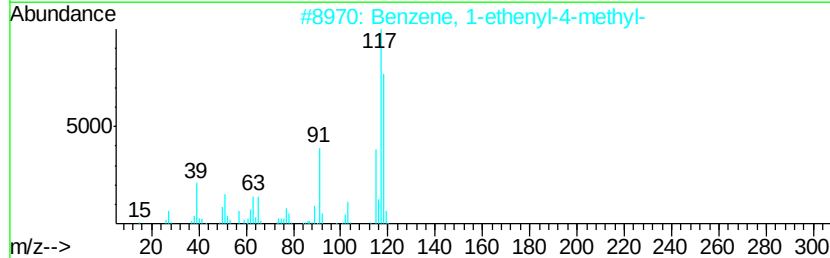
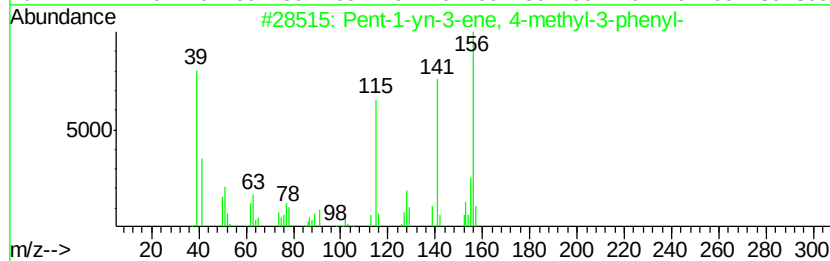
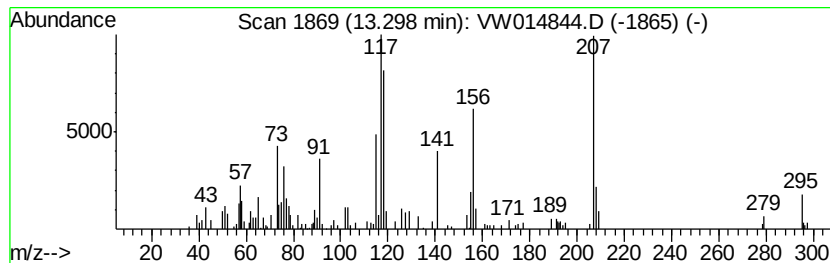
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Quant Title : VOC Analysis

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

Peak Number 8 Pent-1-yn-3-ene, 4-methyl-3... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.30	9.29 ug/L	135814	1,4-Dichlorobenzene-d4	13.55	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pent-1-yn-3-ene, 4-methyl-3-phenyl-	156	C12H12	065050-80-8	51
2	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	46
3	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	46
4	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	41
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	41



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020320\
Data File : VW014844.D
Acq On : 03 Feb 2020 19:35
Operator : SY/VA
Sample : L1323-03
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAT43

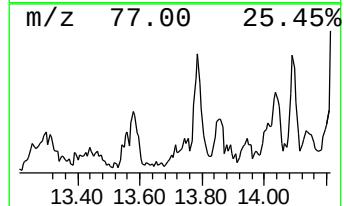
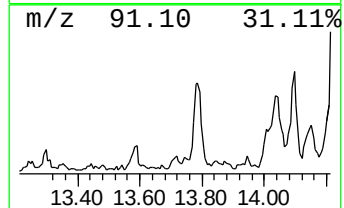
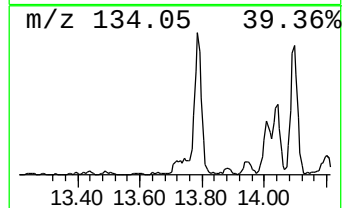
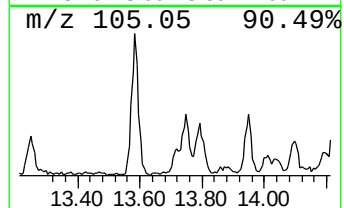
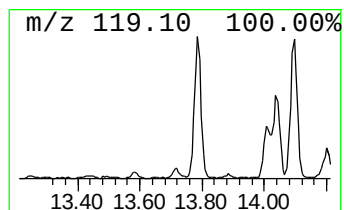
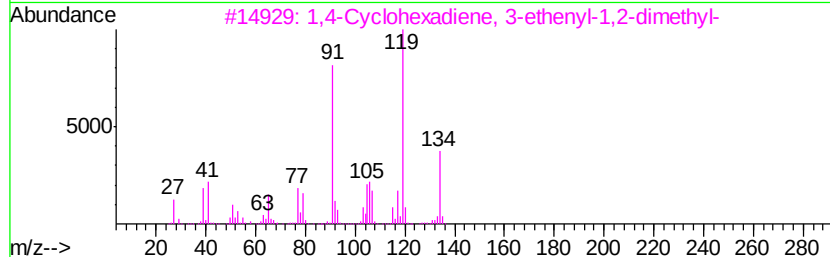
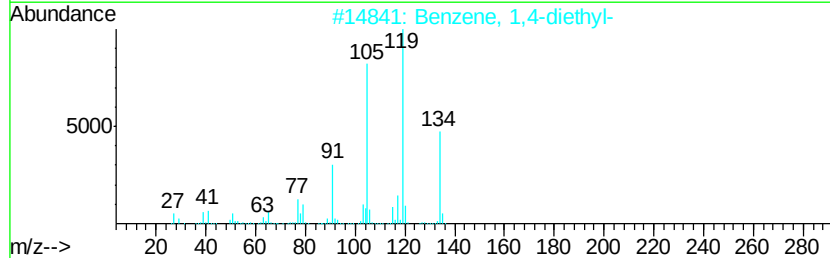
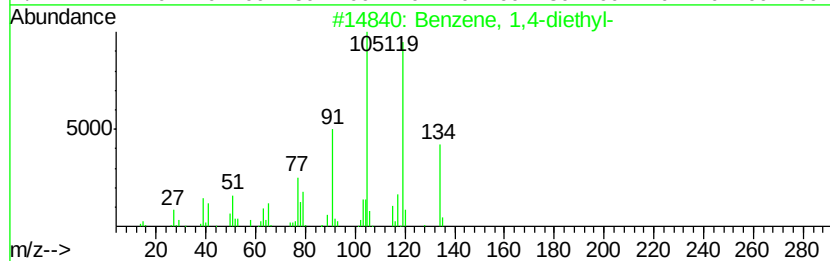
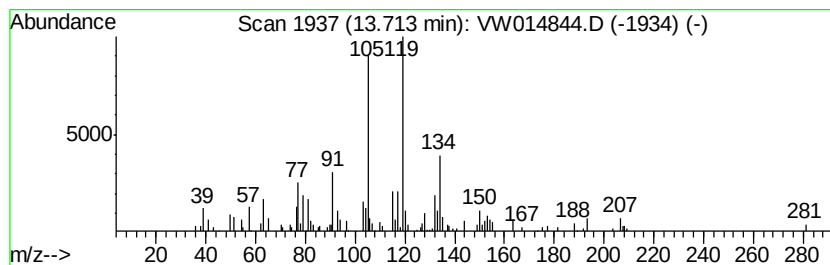
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Quant Title : VOC Analysis

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

Peak Number 9 Benzene, 1,4-diethyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.71	1.41 ug/L	20631	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	64
2		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	60
3		1,4-Cyclohexadiene, 3-ethenyl-1,...	134	C10H14	062338-57-2	58
4		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	53
5		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020320\
Data File : VW014844.D
Acq On : 03 Feb 2020 19:35
Operator : SY/VA
Sample : L1323-03
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAT43

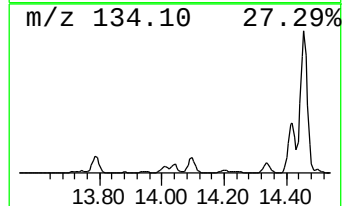
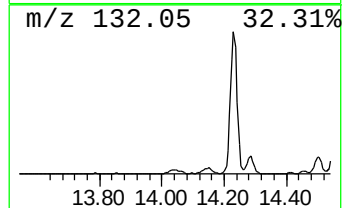
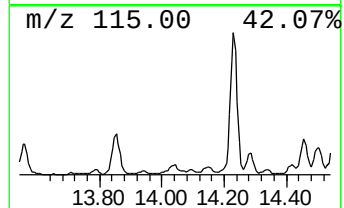
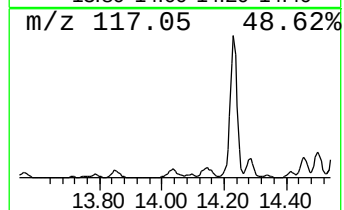
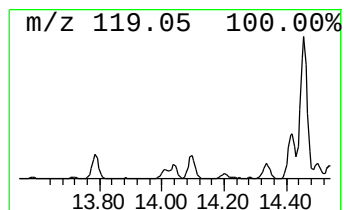
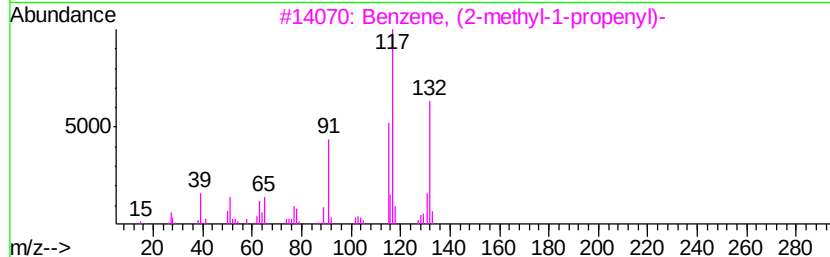
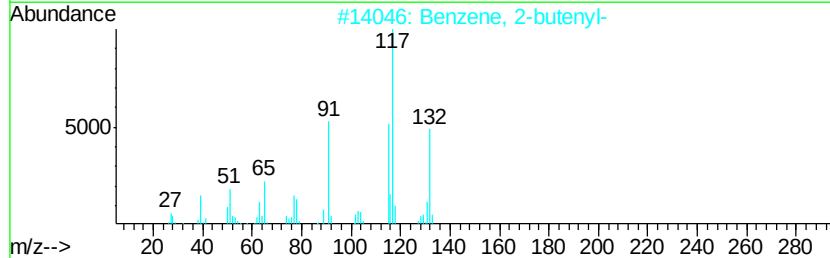
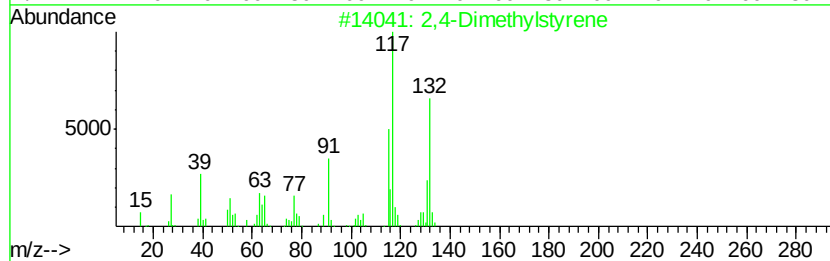
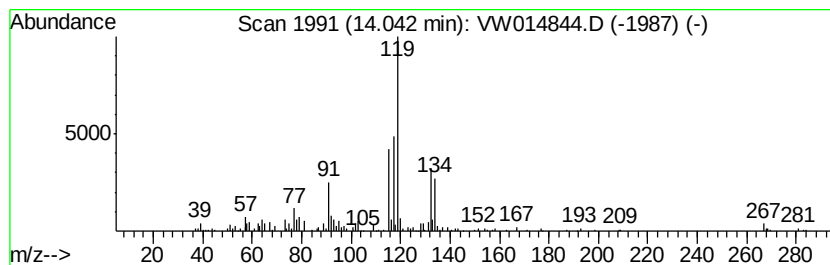
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Quant Title : VOC Analysis

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

Peak Number 11 unknown-01 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	4.49 ug/L	65600	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,4-Dimethylstyrene	132	C10H12	002234-20-0	46
2		Benzene, 2-butenyl-	132	C10H12	001560-06-1	46
3		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	46
4		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	46
5		o-Isopropenyltoluene	132	C10H12	007399-49-7	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020320\
Data File : VW014844.D
Acq On : 03 Feb 2020 19:35
Operator : SY/VA
Sample : L1323-03
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAT43

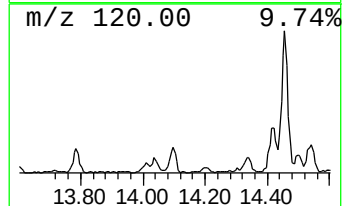
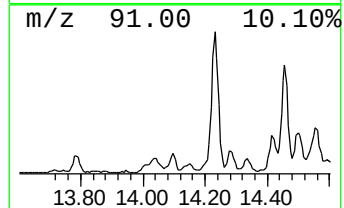
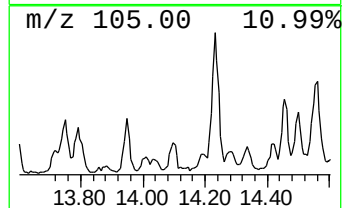
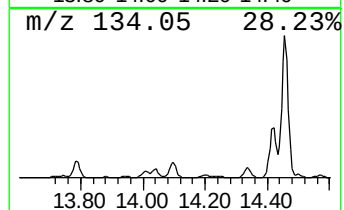
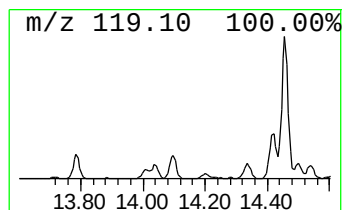
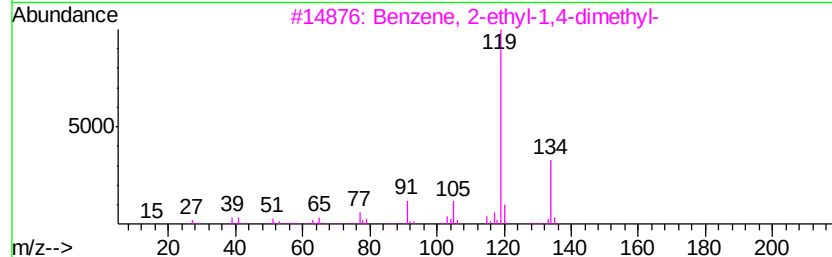
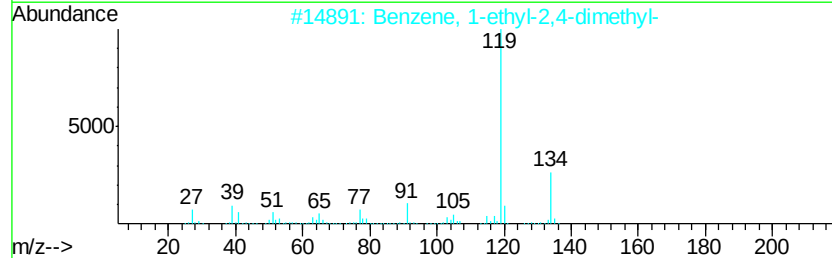
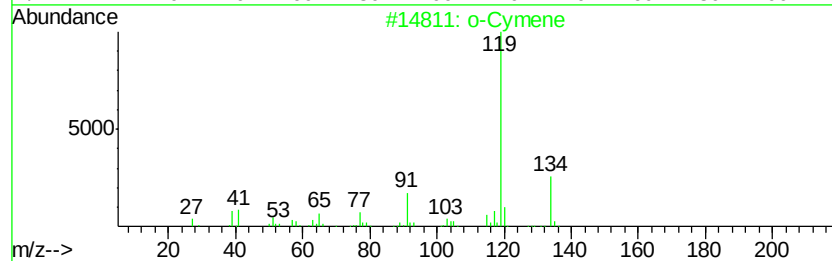
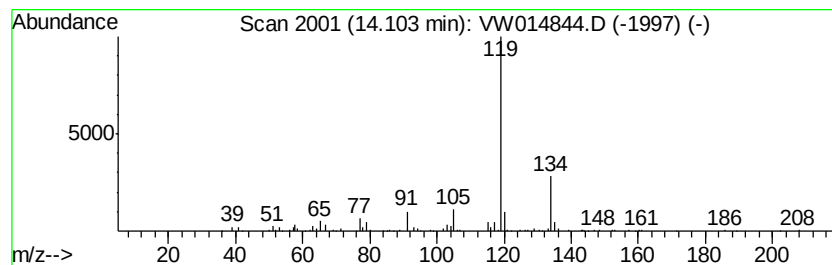
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Quant Title : VOC Analysis

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

Peak Number 12 o-Cymene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	6.91 ug/L	101122	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	91
2		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
3		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
4		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
5		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020320\
Data File : VW014844.D
Acq On : 03 Feb 2020 19:35
Operator : SY/VA
Sample : L1323-03
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
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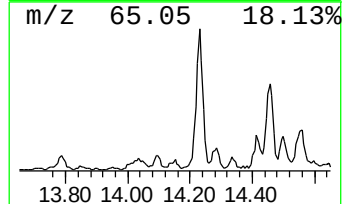
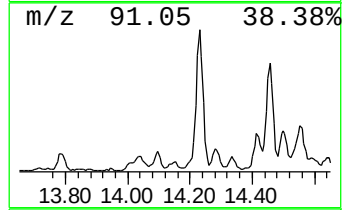
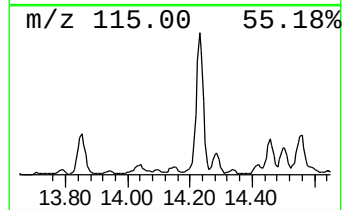
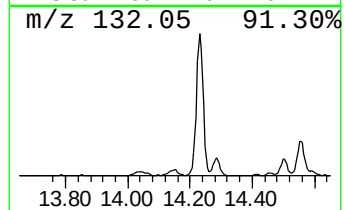
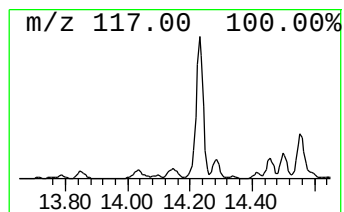
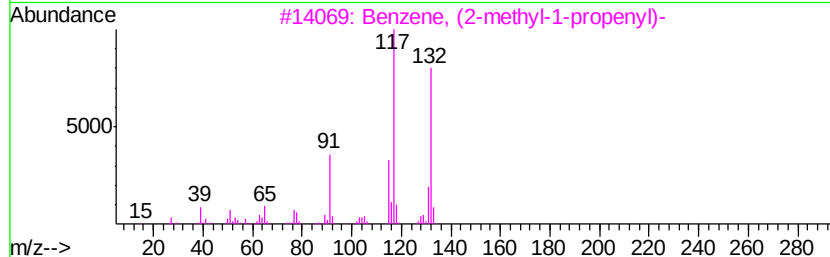
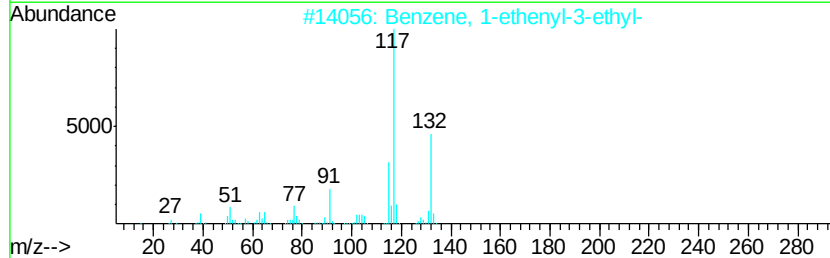
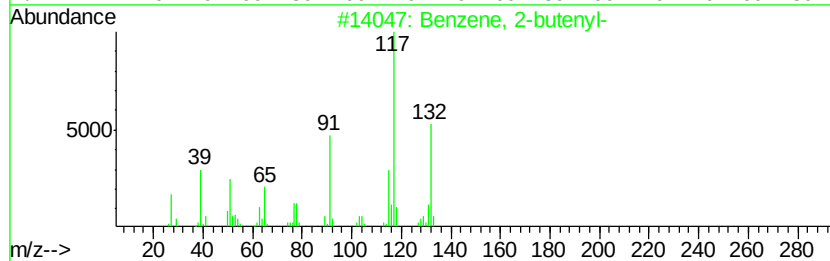
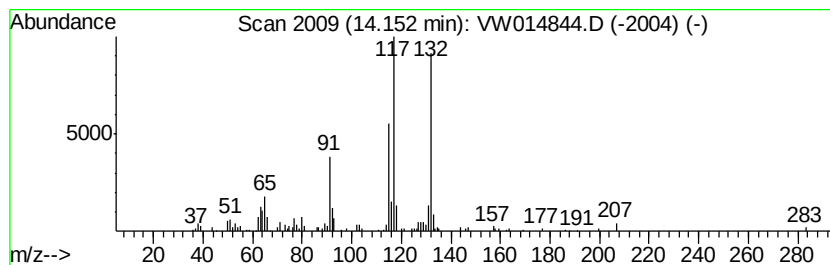
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Quant Title : VOC Analysis

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

Peak Number 13 Benzene, 2-butenyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.15	3.30 ug/L	48208	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	86
2		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	83
3		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	80
4		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	76
5		Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020320\
Data File : VW014844.D
Acq On : 03 Feb 2020 19:35
Operator : SY/VA
Sample : L1323-03
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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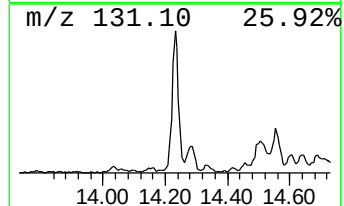
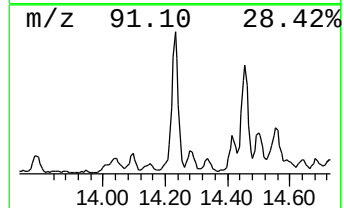
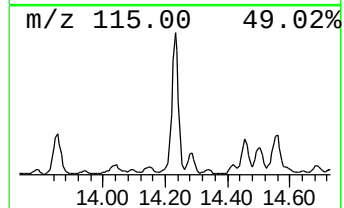
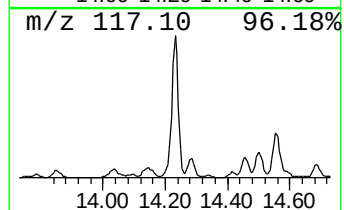
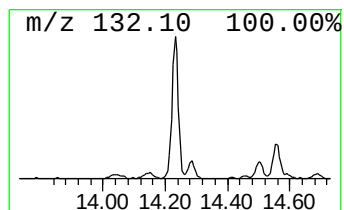
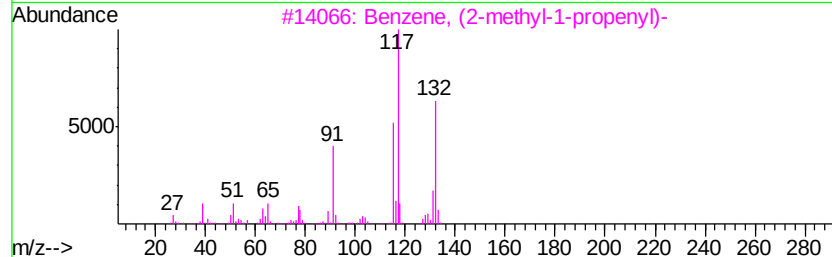
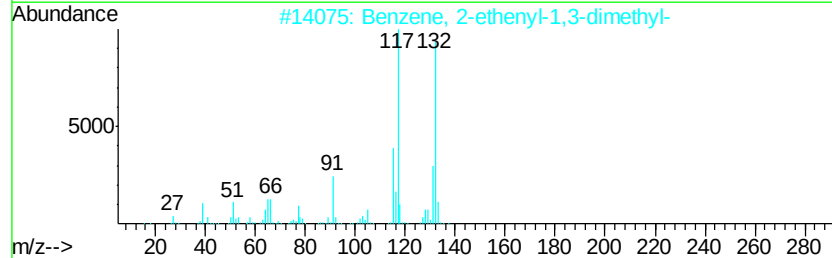
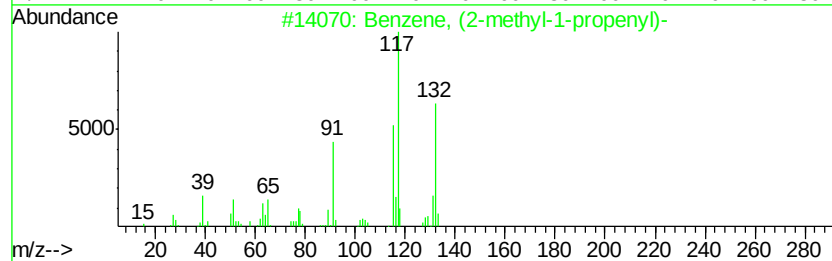
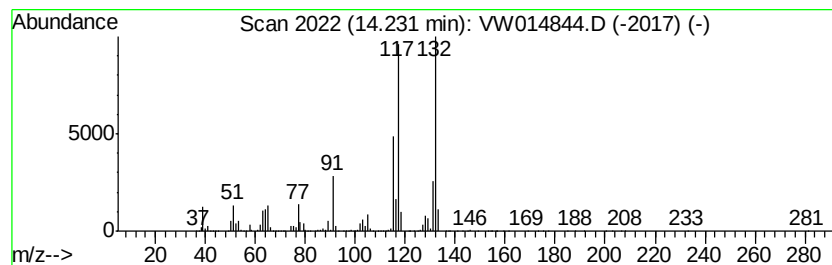
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Quant Title : VOC Analysis

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

Peak Number 14 Benzene, (2-methyl-1-propen... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.23	75.80 ug/L	1108630	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	97
2		Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	97
3		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	96
4		Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	96
5		Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	95



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020320\
Data File : VW014844.D
Acq On : 03 Feb 2020 19:35
Operator : SY/VA
Sample : L1323-03
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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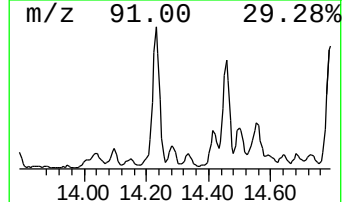
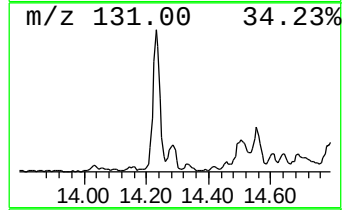
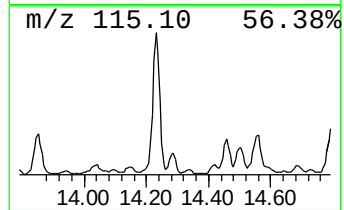
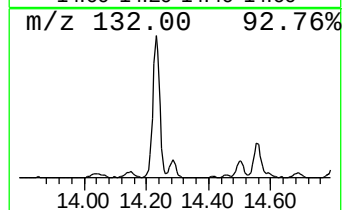
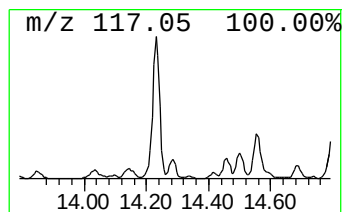
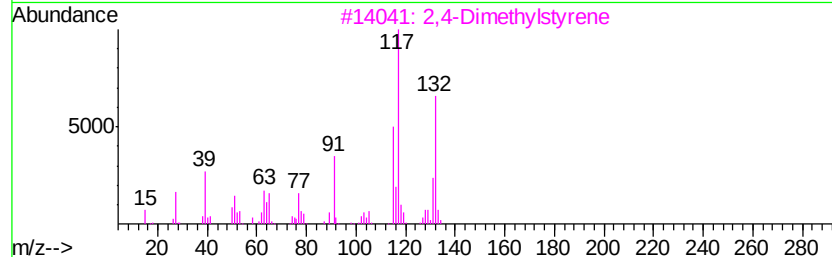
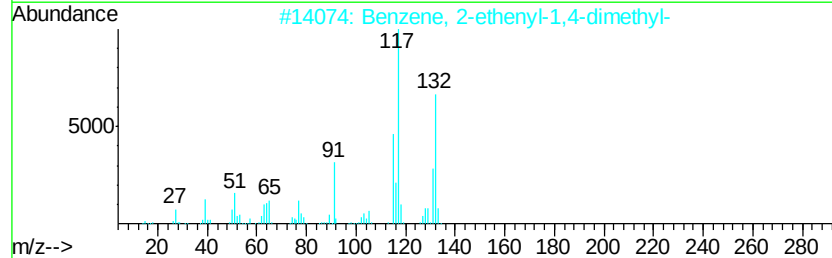
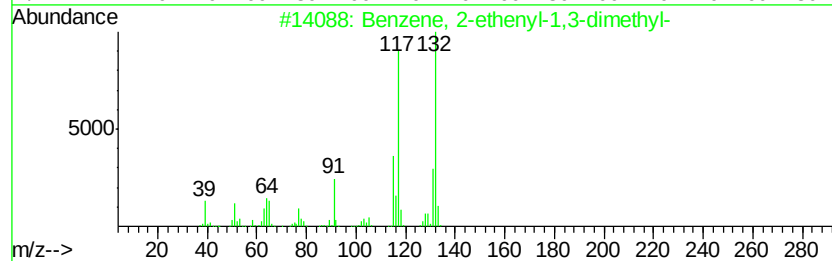
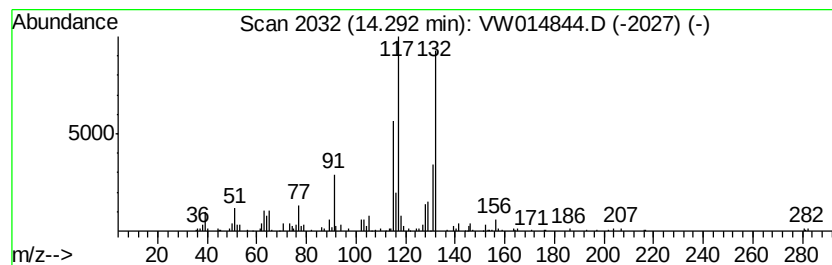
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Quant Title : VOC Analysis

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

Peak Number 15 Benzene, 2-ethenyl-1,3-dime... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	10.87 ug/L	158982	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	95
2		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	94
3		2,4-Dimethylstyrene	132	C10H12	002234-20-0	94
4		Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	93
5		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020320\
Data File : VW014844.D
Acq On : 03 Feb 2020 19:35
Operator : SY/VA
Sample : L1323-03
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

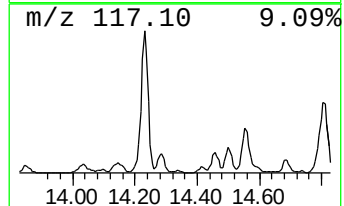
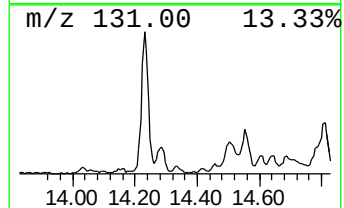
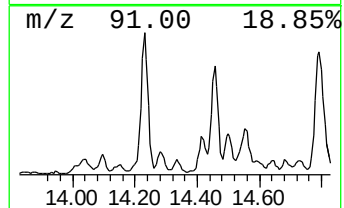
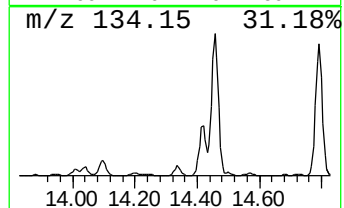
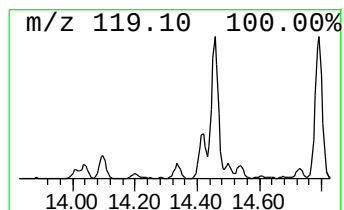
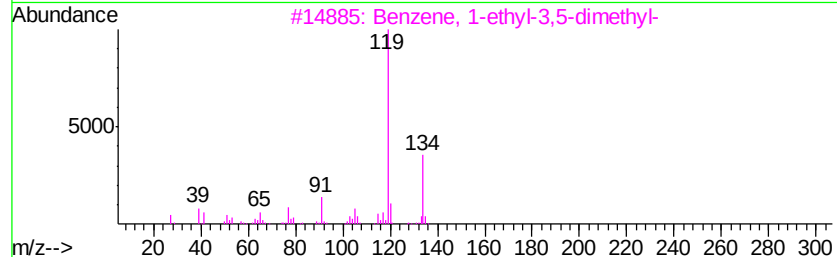
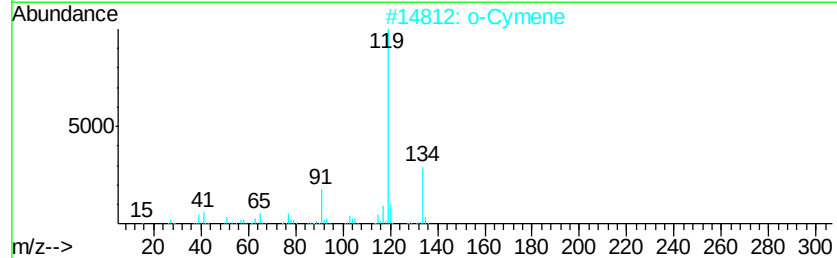
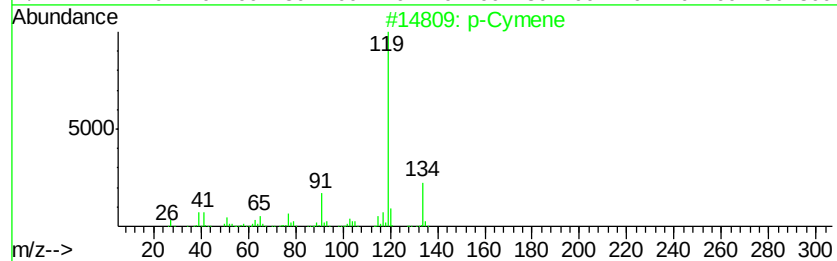
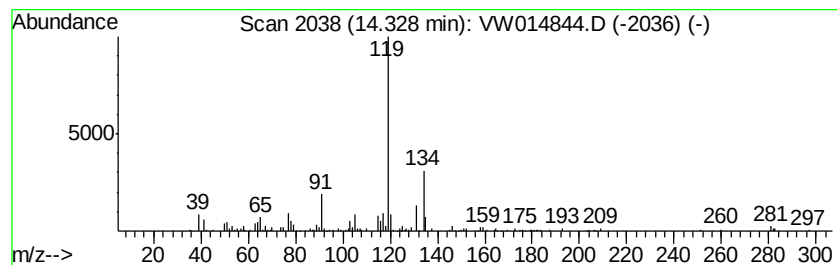
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ClientSampleId :
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Quant Title : VOC Analysis

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

Peak Number 16 p-Cymene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD		R.T.
14.33	5.88 ug/L	86033	1,4-Dichlorobenzene-d4		13.55
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-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020320\
Data File : VW014844.D
Acq On : 03 Feb 2020 19:35
Operator : SY/VA
Sample : L1323-03
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAT43

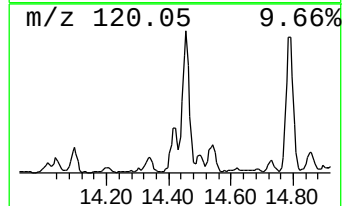
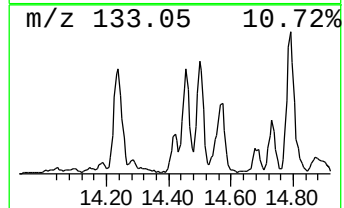
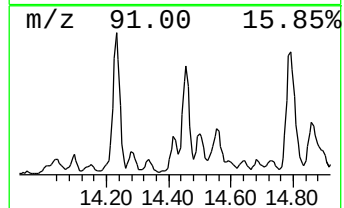
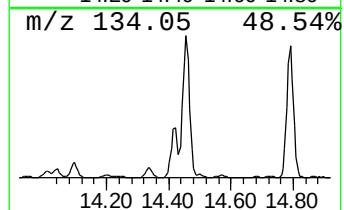
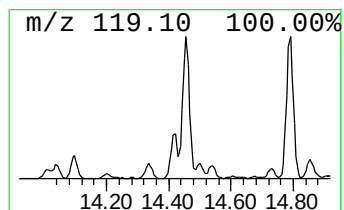
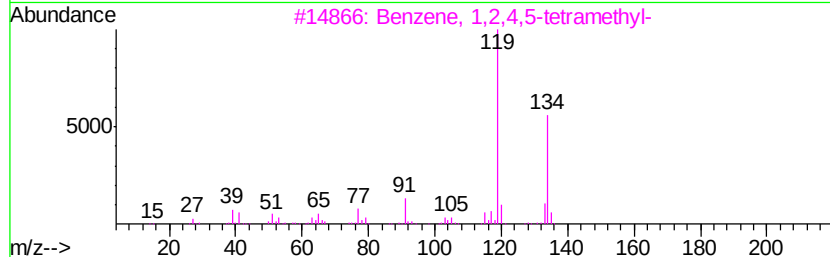
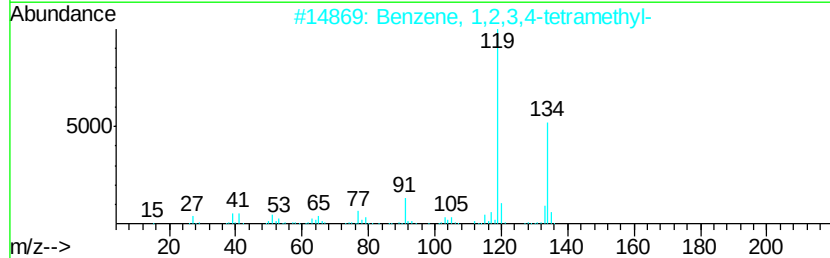
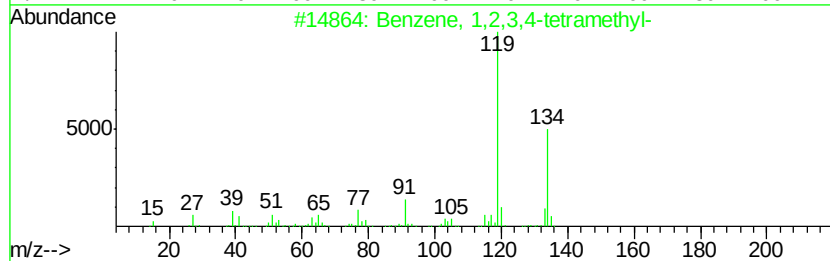
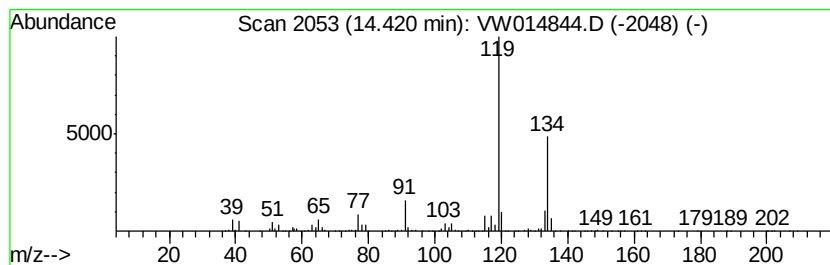
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Quant Title : VOC Analysis

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

Peak Number 17 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	18.71 ug/L	273639	1,4-Dichlorobenzene-d4	13.55

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020320\
Data File : VW014844.D
Acq On : 03 Feb 2020 19:35
Operator : SY/VA
Sample : L1323-03
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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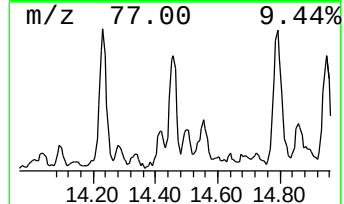
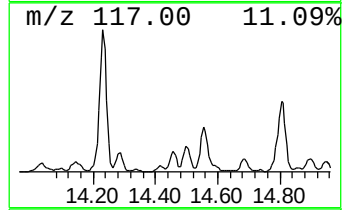
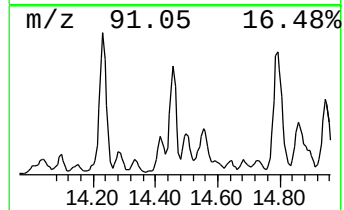
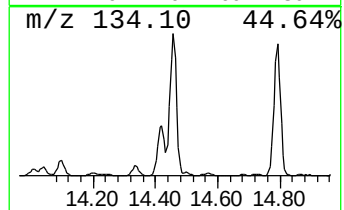
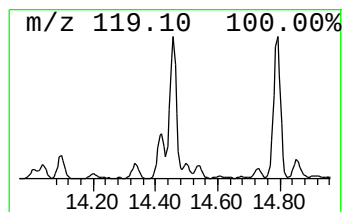
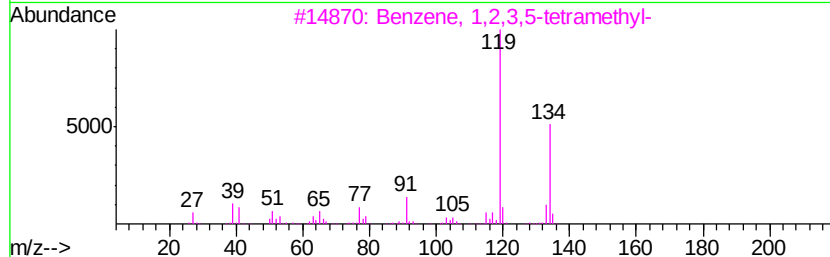
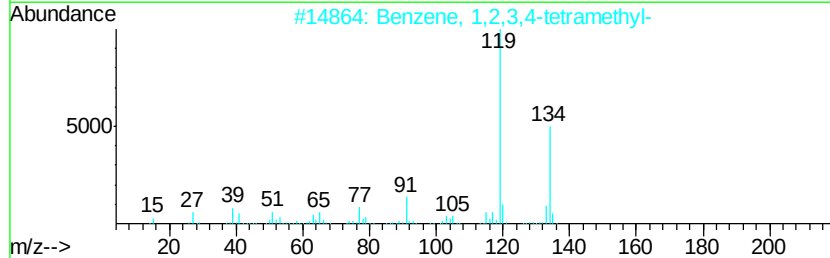
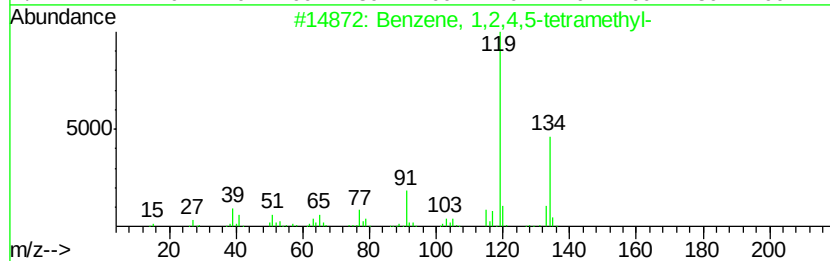
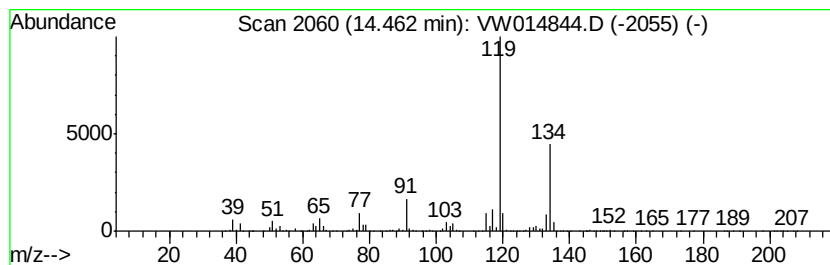
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Quant Title : VOC Analysis

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

Peak Number 18 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	55.48 ug/L	811460	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
5		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020320\
Data File : VW014844.D
Acq On : 03 Feb 2020 19:35
Operator : SY/VA
Sample : L1323-03
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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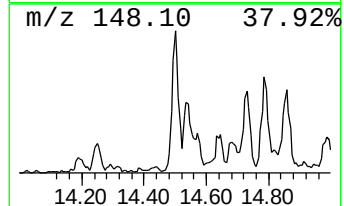
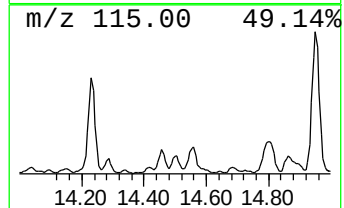
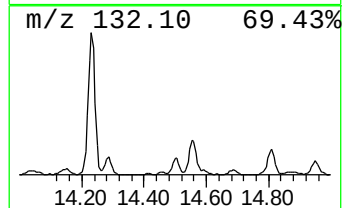
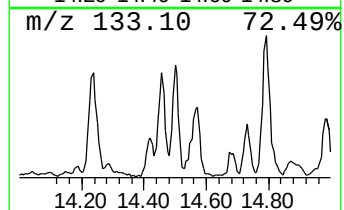
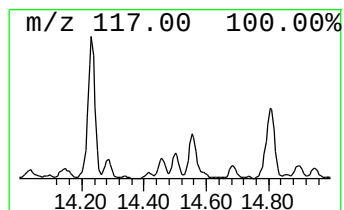
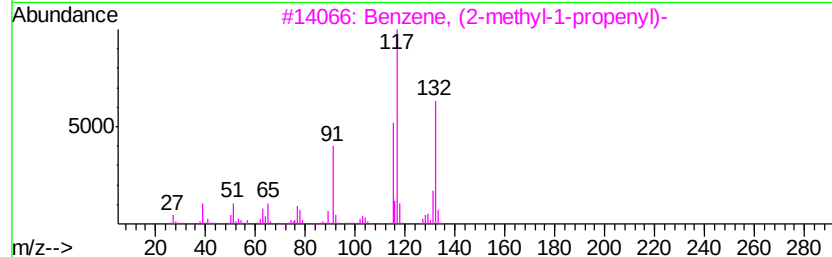
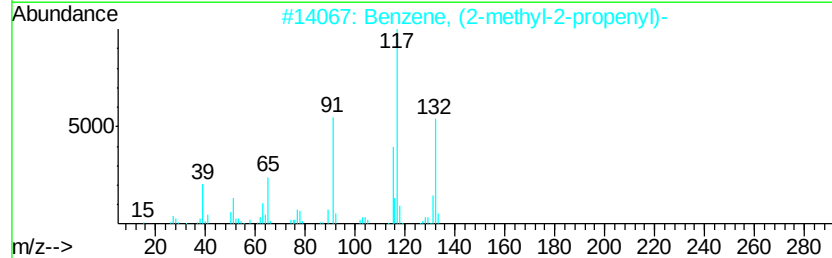
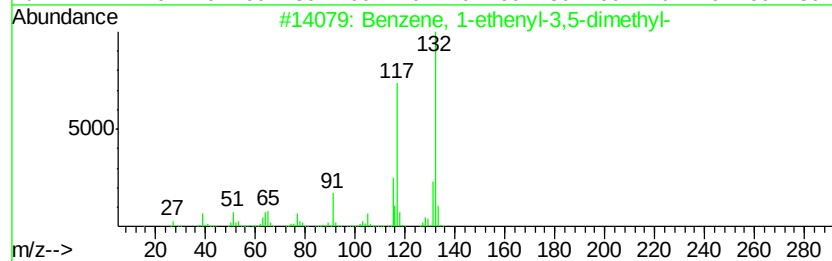
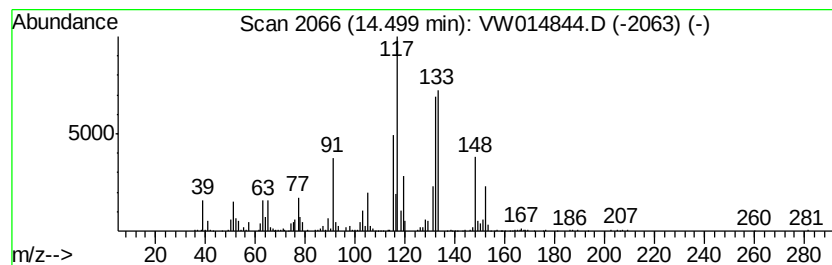
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Quant Title : VOC Analysis

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

Peak Number 19 Benzene, 1-ethenyl-3,5-dime... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.50	20.45 ug/L	299092	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	91
2		Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	91
3		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	91
4		2,4-Dimethylstyrene	132	C10H12	002234-20-0	83
5		Benzene, 2-butenyl-	132	C10H12	001560-06-1	83



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020320\
Data File : VW014844.D
Acq On : 03 Feb 2020 19:35
Operator : SY/VA
Sample : L1323-03
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

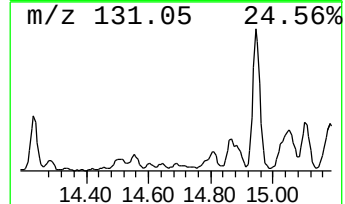
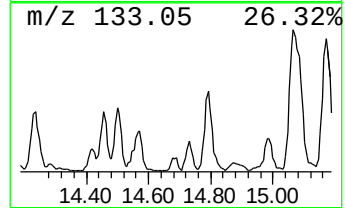
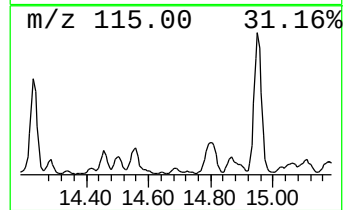
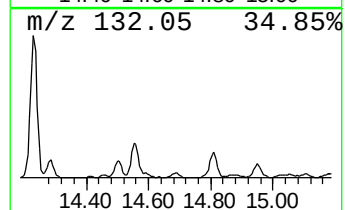
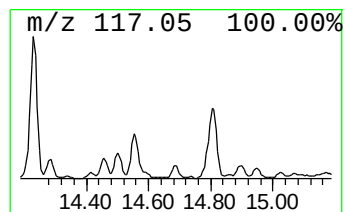
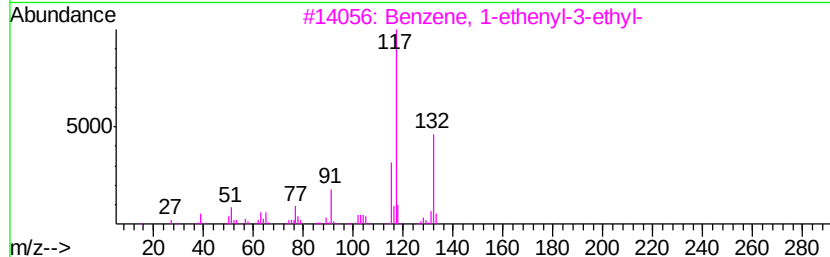
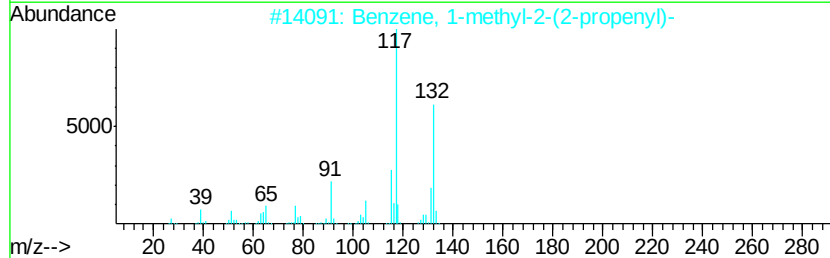
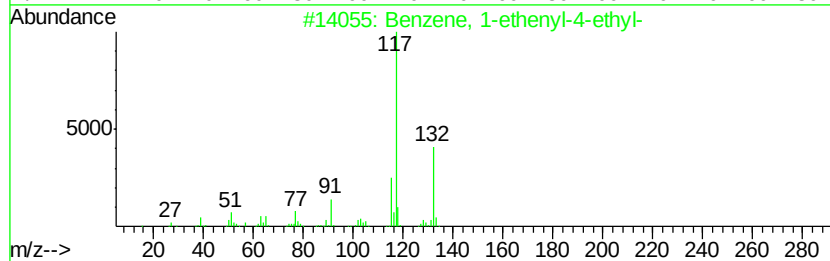
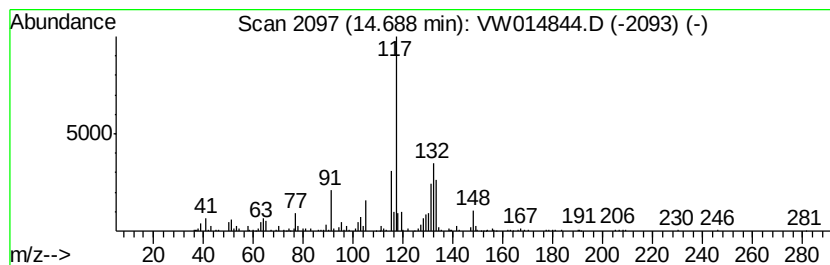
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020320S.M
Quant Title : VOC Analysis

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

Peak Number 21 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.69	5.77 ug/L	84442	1,4-Dichlorobenzene-d4	13.55	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	64
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	62
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	62
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	62
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020320\
Data File : VW014844.D
Acq On : 03 Feb 2020 19:35
Operator : SY/VA
Sample : L1323-03
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAT43

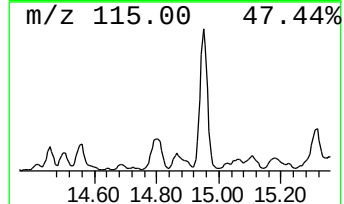
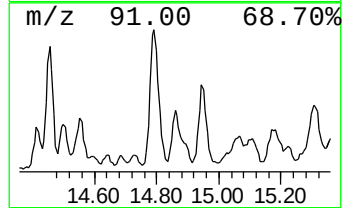
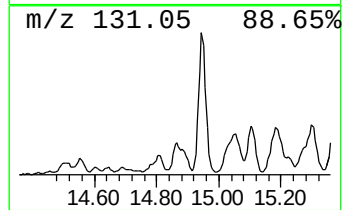
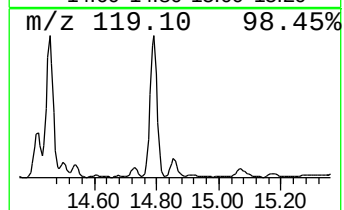
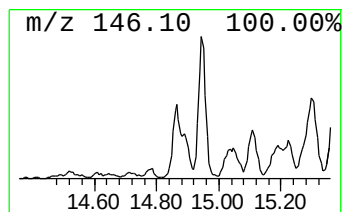
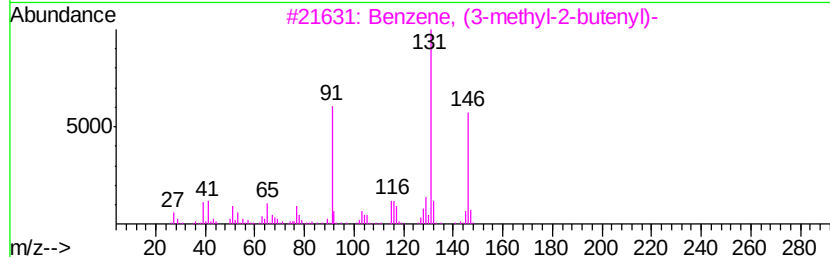
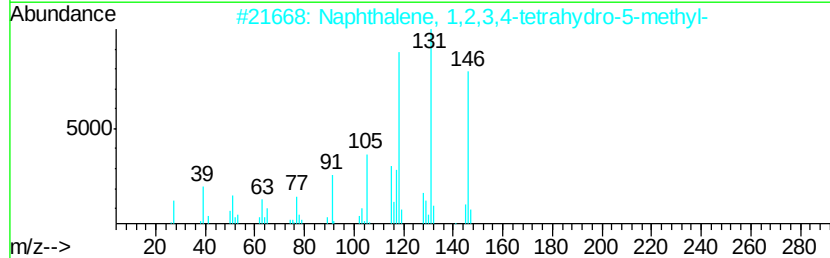
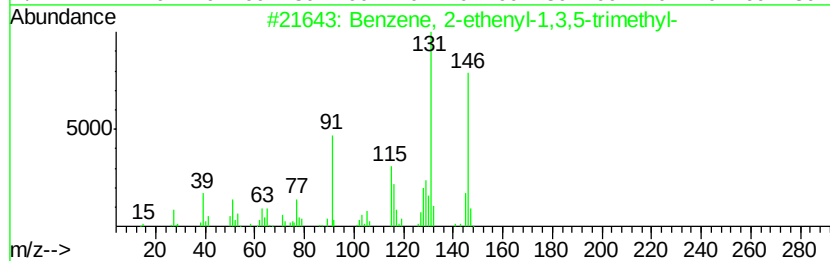
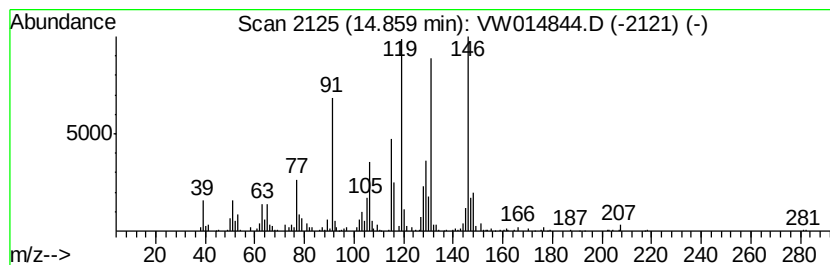
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Quant Title : VOC Analysis

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

Peak Number 24 Benzene, 2-ethenyl-1,3,5-tr... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	34.52 ug/L	504903	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	64
2		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	49
3		Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	43
4		Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	38
5		Pteridine, 2-methyl-	146	C7H6N4	002432-20-4	27



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020320\
Data File : VW014844.D
Acq On : 03 Feb 2020 19:35
Operator : SY/VA
Sample : L1323-03
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

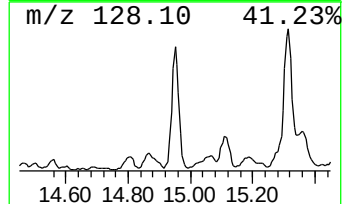
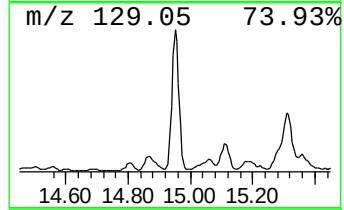
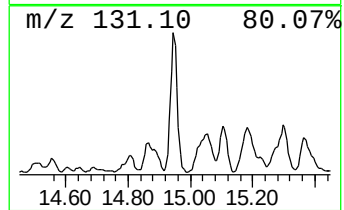
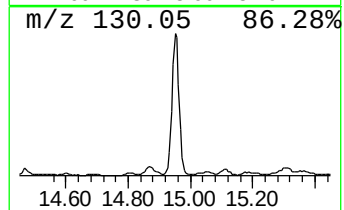
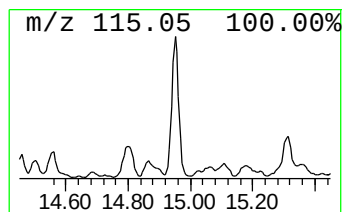
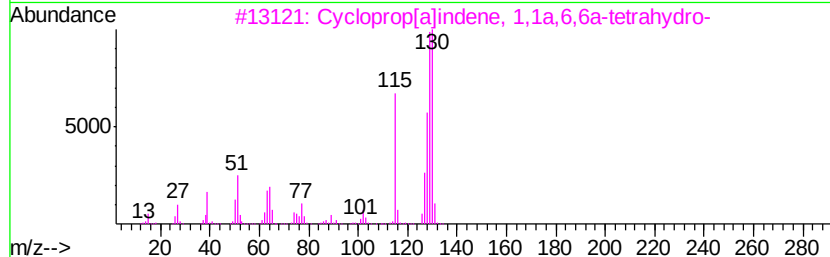
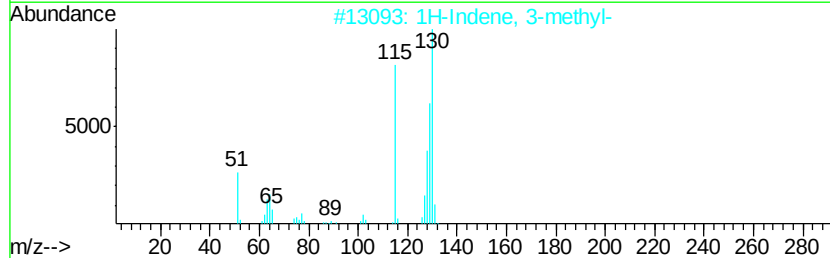
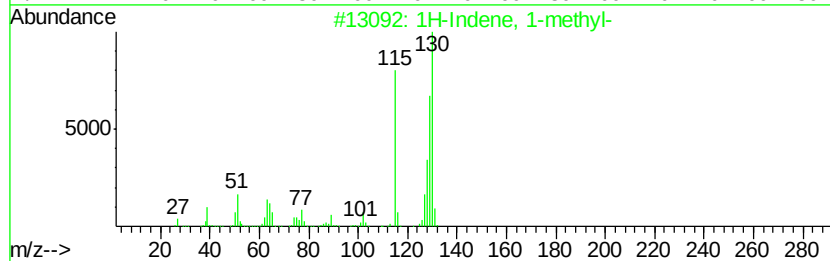
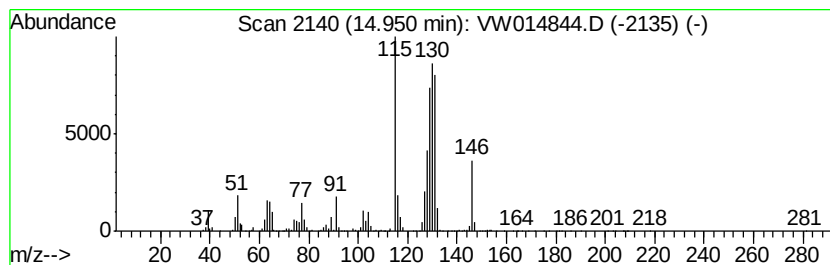
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MSVOA_W
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020320S.M
Quant Title : VOC Analysis

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

Peak Number 25 1H-Indene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	90.84 ug/L	1328540	1,4-Dichlorobenzene-d4	13.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1H-Indene, 1-methyl-	130 C10H10	000767-59-9 91
2		1H-Indene, 3-methyl-	130 C10H10	000767-60-2 90
3		Cycloprop[alindene, 1,1a,6,6a-tetrahydro-	130 C10H10	015677-15-3 83
4		Cycloprop[alindene, 1,1a,6,6a-tetrahydro-	130 C10H10	015677-15-3 80
5		Naphthalene, 1,2-dihydro-	130 C10H10	000447-53-0 78



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020320\
Data File : VW014844.D
Acq On : 03 Feb 2020 19:35
Operator : SY/VA
Sample : L1323-03
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAT43

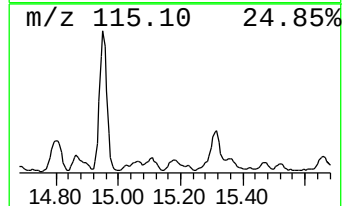
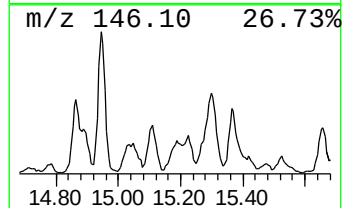
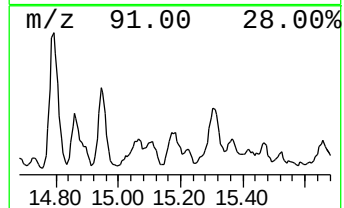
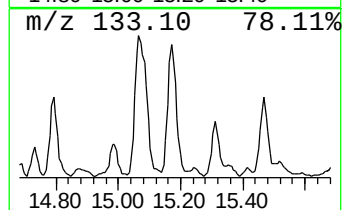
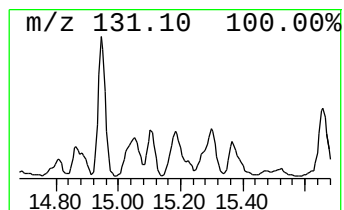
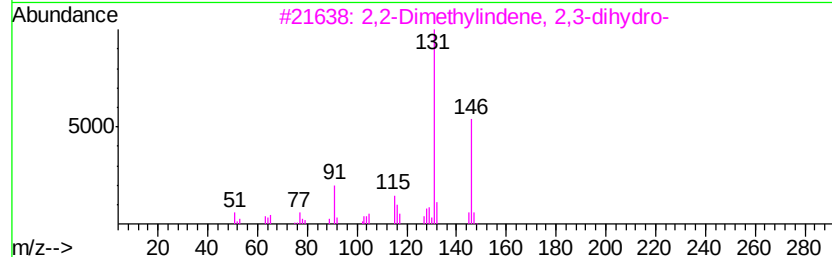
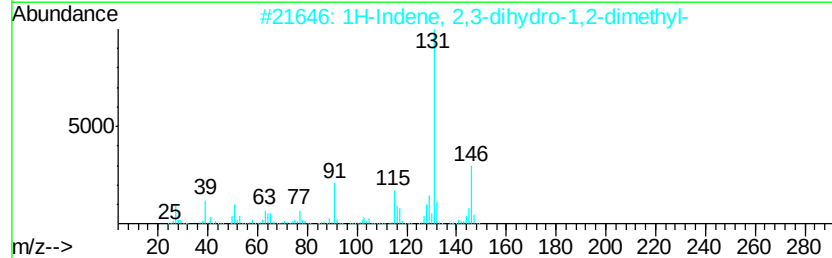
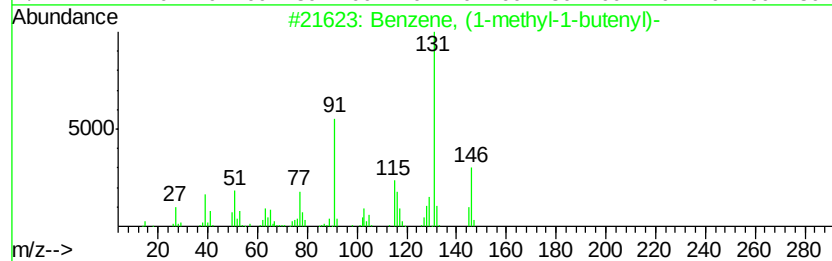
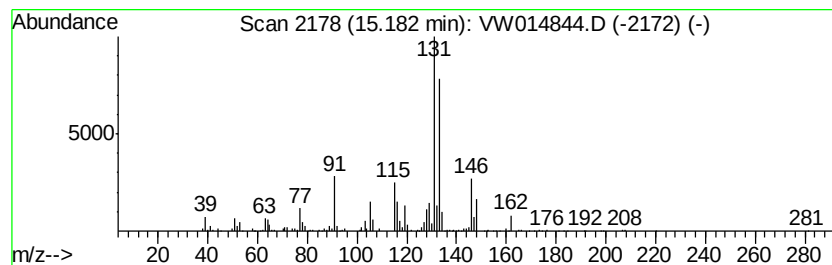
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Quant Title : VOC Analysis

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

Peak Number 26 Benzene, (1-methyl-1-butenyl)- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	28.80 ug/L	421156	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	70
2		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	64
3		2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	55
4		Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	55
5		Benzene, (2-chloro-2-butenyl)-	166	C10H11Cl	054411-12-0	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020320\
Data File : VW014844.D
Acq On : 03 Feb 2020 19:35
Operator : SY/VA
Sample : L1323-03
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAT43

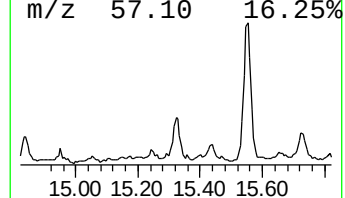
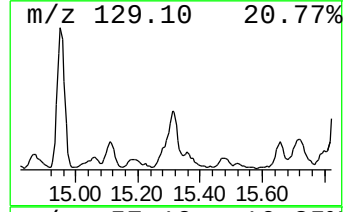
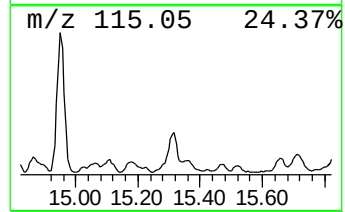
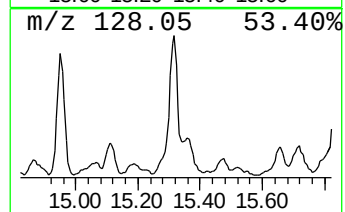
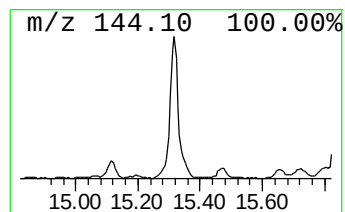
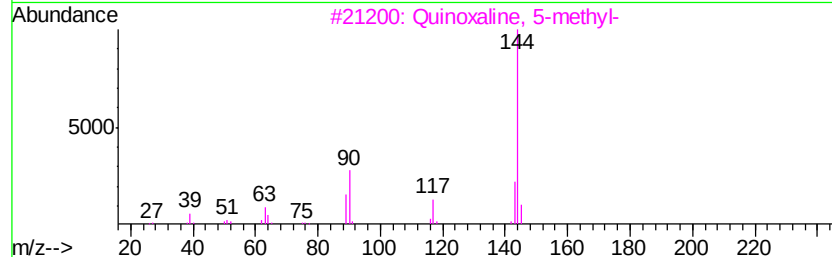
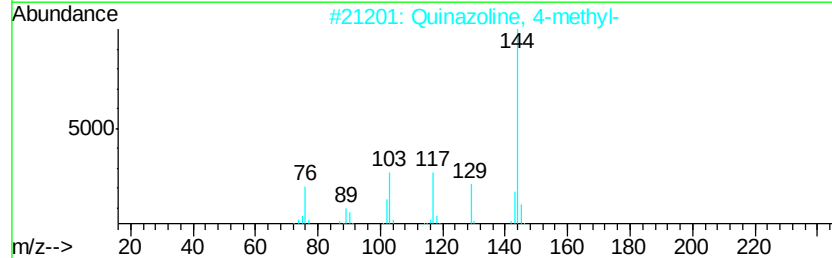
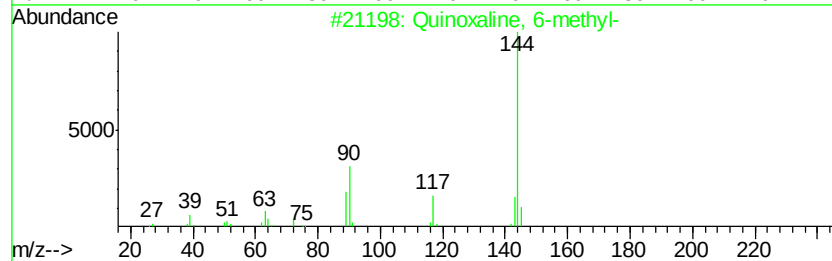
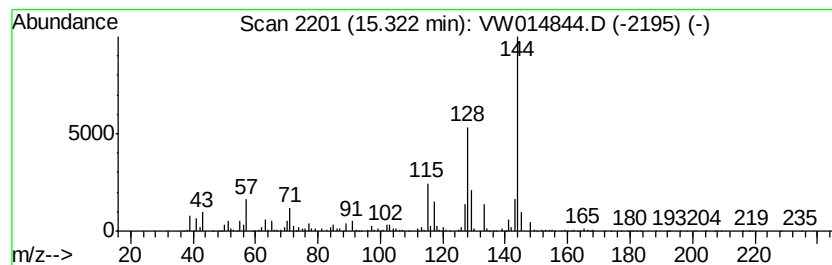
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Quant Title : VOC Analysis

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

Peak Number 27 unknown-02 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	44.78 ug/L	654931	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Quinoxaline, 6-methyl-	144	C9H8N2	006344-72-5	45
2		Quinazoline, 4-methyl-	144	C9H8N2	000700-46-9	43
3		Quinoxaline, 5-methyl-	144	C9H8N2	013708-12-8	43
4		Benzofuran, 2-ethenyl-	144	C10H8O	007522-79-4	43
5		3-Quinolinamine	144	C9H8N2	000580-17-6	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020320\
Data File : VW014844.D
Acq On : 03 Feb 2020 19:35
Operator : SY/VA
Sample : L1323-03
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAT43

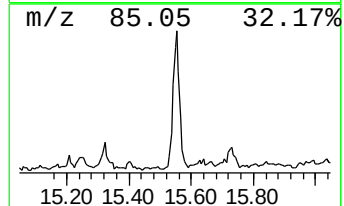
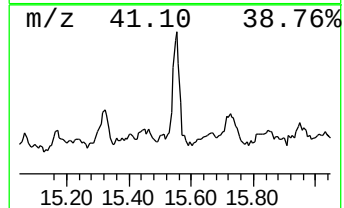
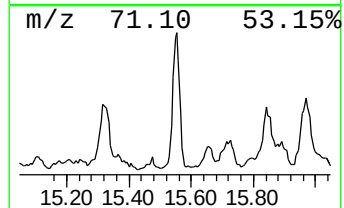
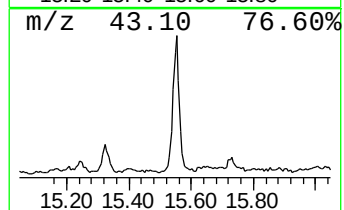
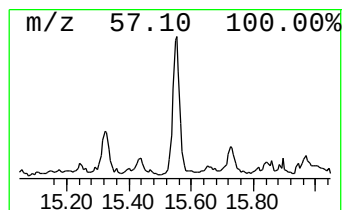
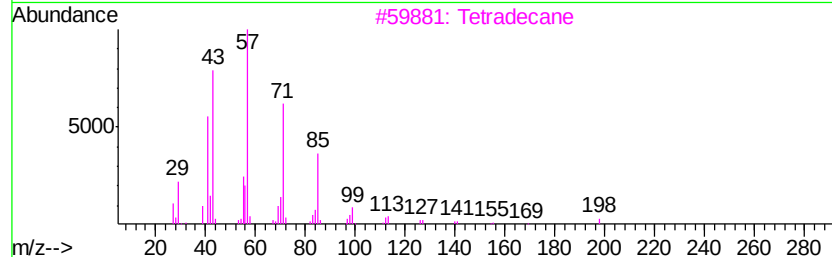
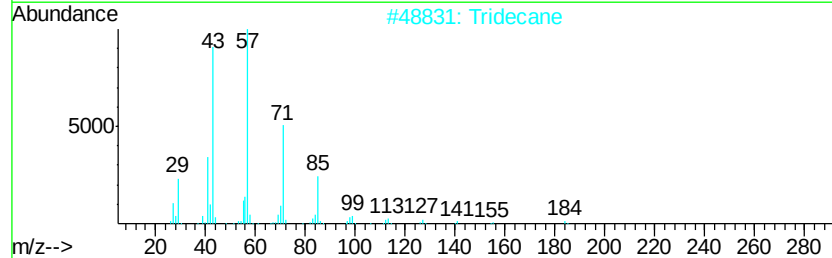
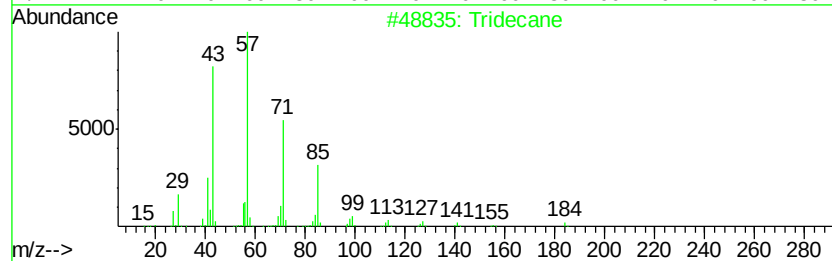
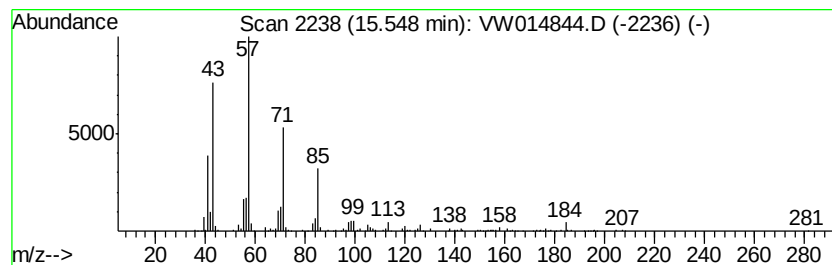
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Quant Title : VOC Analysis

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

Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	17.35 ug/L	253722	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane	184	C13H28	000629-50-5	87
2		Tridecane	184	C13H28	000629-50-5	87
3		Tetradecane	198	C14H30	000629-59-4	80
4		Undecane	156	C11H24	001120-21-4	80
5		Dodecane	170	C12H26	000112-40-3	80



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020320\
Data File : VW014844.D
Acq On : 03 Feb 2020 19:35
Operator : SY/VA
Sample : L1323-03
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAT43

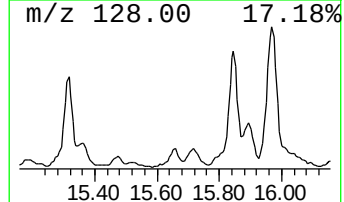
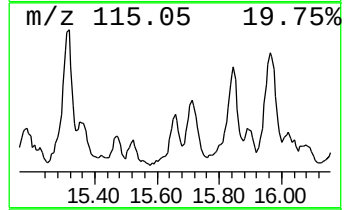
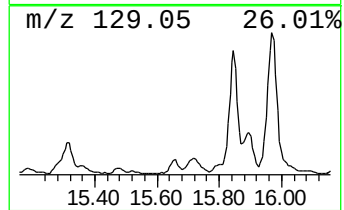
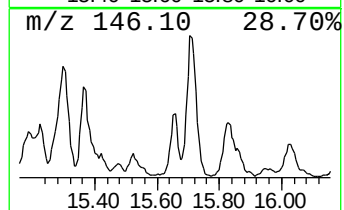
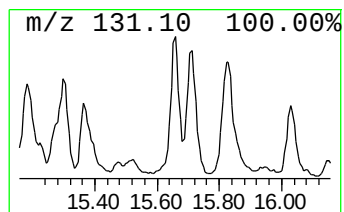
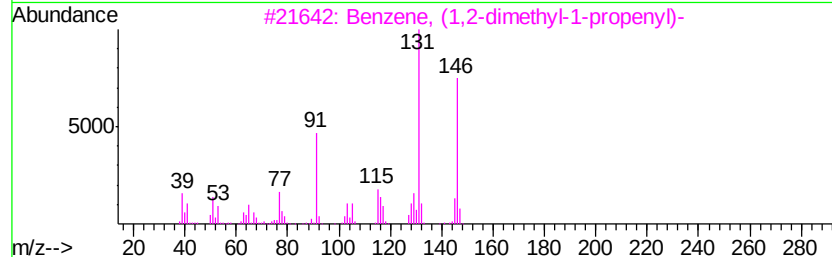
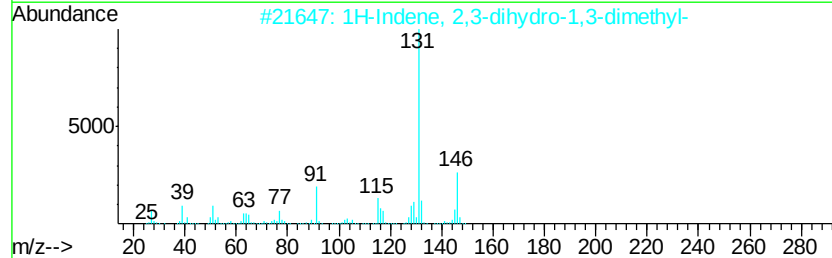
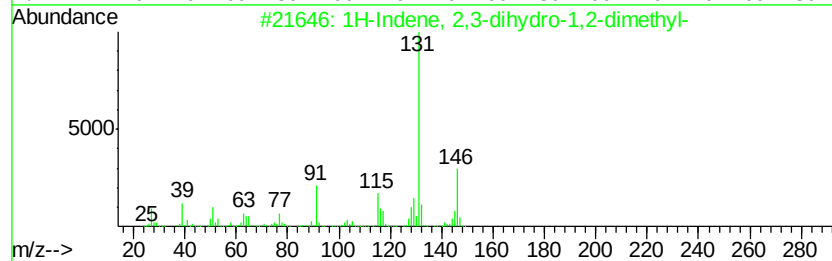
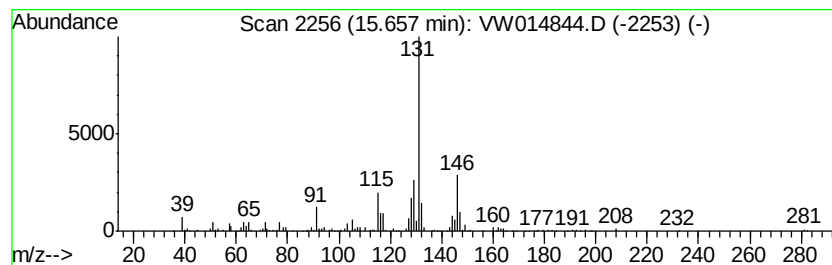
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Quant Title : VOC Analysis

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

Peak Number 29 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	12.80 ug/L	187180	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	90
2		1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	87
3		Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	87
4		Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	87
5		2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	83



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020320\
Data File : VW014844.D
Acq On : 03 Feb 2020 19:35
Operator : SY/VA
Sample : L1323-03
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAT43

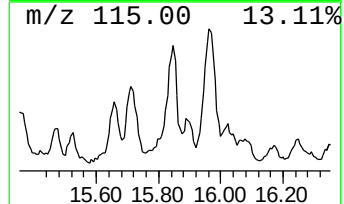
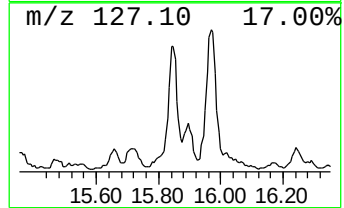
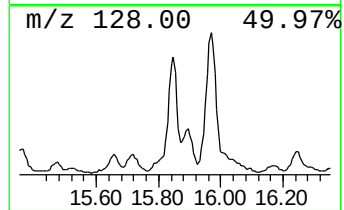
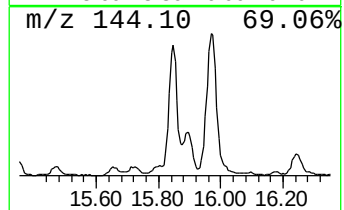
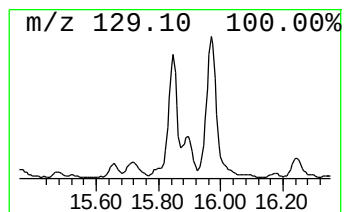
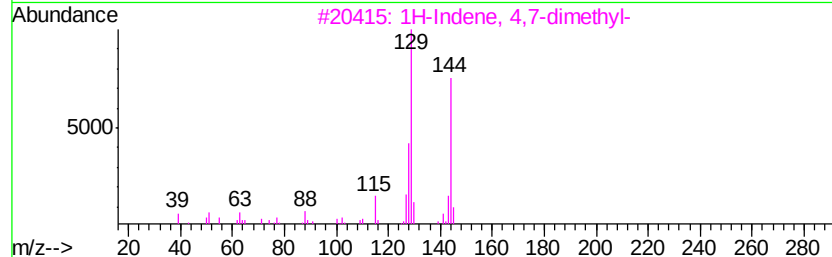
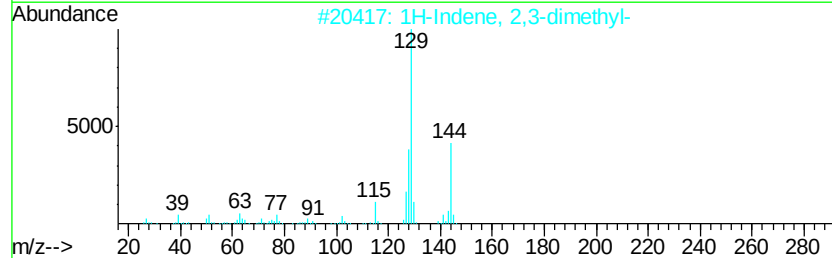
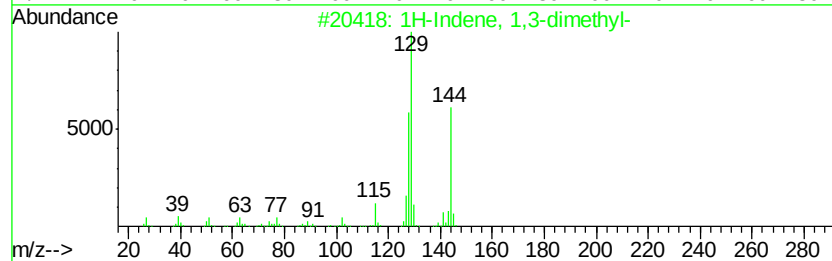
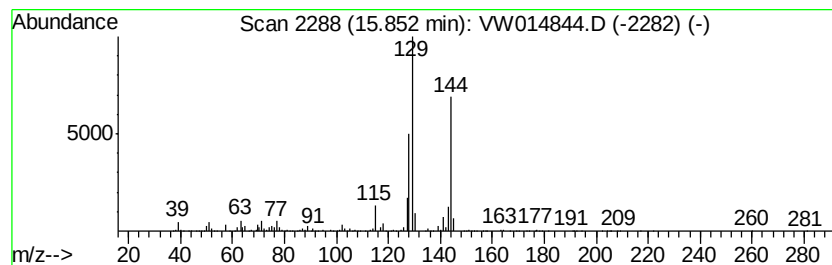
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Quant Title : VOC Analysis

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

Peak Number 31 1H-Indene, 1,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.85	48.59 ug/L	710652	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	96
2		1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	91
3		1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	90
4		1H-Cyclopropa[blnaphthalene, 1a,...	144	C11H12	006571-72-8	83
5		1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	81



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020320\
Data File : VW014844.D
Acq On : 03 Feb 2020 19:35
Operator : SY/VA
Sample : L1323-03
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAT43

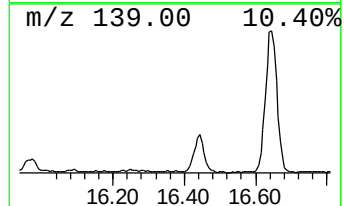
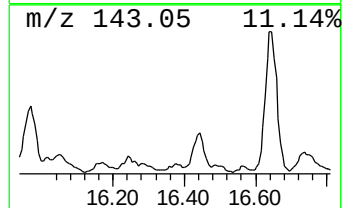
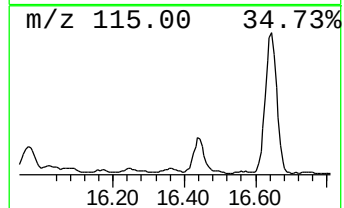
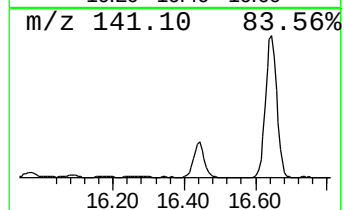
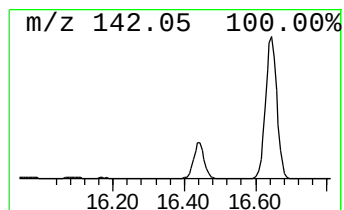
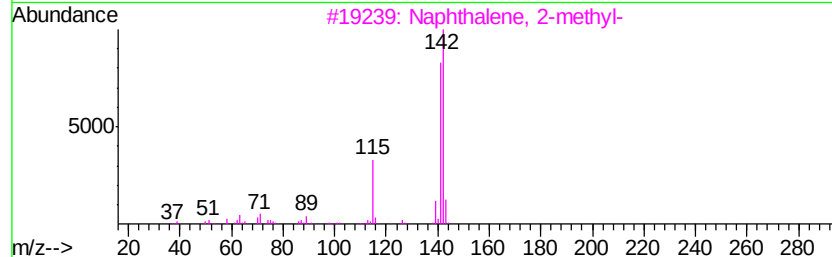
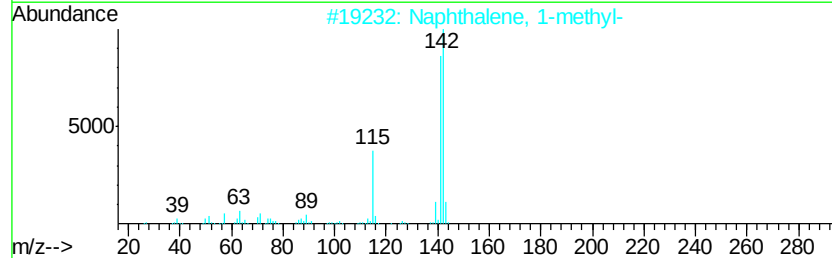
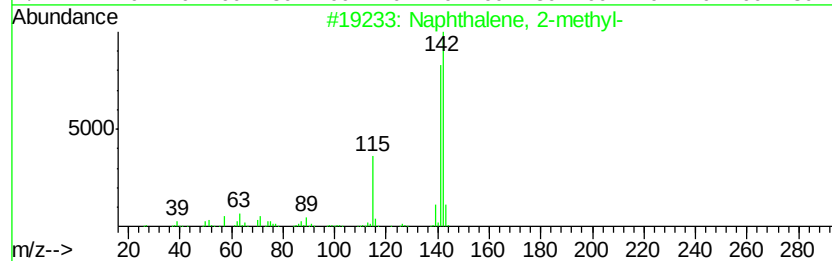
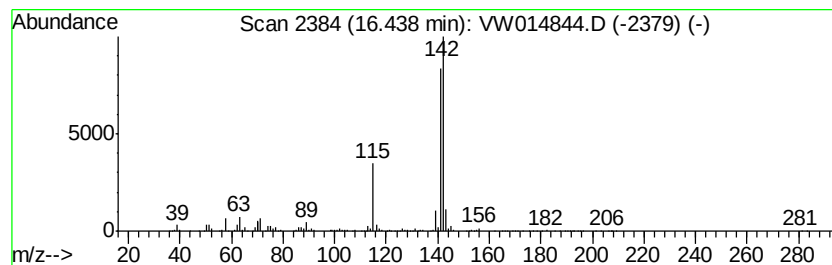
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020320S.M
Quant Title : VOC Analysis

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

Peak Number 33 Naphthalene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.44	41.29 ug/L	603848	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
5		Benzocycloheptatriene	142	C11H10	000264-09-5	90



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW020320\
 Data File : VW014844.D
 Acq On : 03 Feb 2020 19:35
 Operator : SY/VA
 Sample : L1323-03
 Misc : 5.09G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAT43

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020320S.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
Mesitylene	12.94	5.0	ug/L	72348	3	13.55	365623	25.0
Naphthalene, 2,6-...	13.26	1.9	ug/L	27641	3	13.55	365623	25.0
Pent-1-yn-3-ene, ...	13.30	9.3	ug/L	135814	3	13.55	365623	25.0
Benzene, 1,4-diet...	13.71	1.4	ug/L	20631	3	13.55	365623	25.0
unknown-01	14.04	4.5	ug/L	65600	3	13.55	365623	25.0
o-Cymene	14.10	6.9	ug/L	101122	3	13.55	365623	25.0
Benzene, 2-butenyl-	14.15	3.3	ug/L	48208	3	13.55	365623	25.0
Benzene, (2-methy...	14.23	75.8	ug/L	1108630	3	13.55	365623	25.0
Benzene, 2-etheny...	14.29	10.9	ug/L	158982	3	13.55	365623	25.0
p-Cymene	14.33	5.9	ug/L	86033	3	13.55	365623	25.0
Benzene, 1,2,3,4-...	14.42	18.7	ug/L	273639	3	13.55	365623	25.0
Benzene, 1,2,4,5-...	14.46	55.5	ug/L	811460	3	13.55	365623	25.0
Benzene, 1-etheny...	14.50	20.4	ug/L	299092	3	13.55	365623	25.0
Benzene, 1-etheny...	14.69	5.8	ug/L	84442	3	13.55	365623	25.0
Benzene, 2-etheny...	14.86	34.5	ug/L	504903	3	13.55	365623	25.0
1H-Indene, 1-methyl-	14.95	90.8	ug/L	1328540	3	13.55	365623	25.0
Benzene, (1-methy...	15.18	28.8	ug/L	421156	3	13.55	365623	25.0
unknown-02	15.32	44.8	ug/L	654931	3	13.55	365623	25.0
(DEL) Alkane: Str...	15.55	17.4	ug/L	253722	3	13.55	365623	25.0
1H-Indene, 2,3-di...	15.66	12.8	ug/L	187180	3	13.55	365623	25.0
1H-Indene, 1,3-di...	15.85	48.6	ug/L	710652	3	13.55	365623	25.0
Naphthalene, 1-me...	16.44	41.3	ug/L	603848	3	13.55	365623	25.0