

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042319\
 Data File : VU031436.D
 Acq On : 23 Apr 2019 14:26
 Operator : JC/SP
 Sample : K2481-06 5X
 Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GAHW1

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_U\METHOD\SOMULM042319WMA.M
 Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.180	24	28	38	rVB2	17007	16815	0.01%	0.002%
2	1.293	59	63	66	rBV	7621	6135	0.00%	0.001%
3	1.395	87	95	109	rBV	324403	366457	0.18%	0.054%
4	1.678	175	183	196	rBV	260616	337392	0.17%	0.049%
5	2.264	354	365	380	rVB	577917	874077	0.43%	0.128%
6	2.453	418	424	425	rBV3	1000	859	0.00%	0.000%
7	2.530	436	448	451	rBV6	6576	8096	0.00%	0.001%
8	2.701	492	501	503	rBV3	10371	14226	0.01%	0.002%
9	2.839	539	544	549	rVB5	1037	1263	0.00%	0.000%
10	2.990	578	591	604	rVV3	17882	39410	0.02%	0.006%
11	3.186	647	652	654	rBV2	996	839	0.00%	0.000%
12	3.299	673	687	700	rBV2	25976	57083	0.03%	0.008%
13	3.502	748	750	757	rVB4	1336	991	0.00%	0.000%
14	4.051	916	921	922	rBV2	1139	1009	0.00%	0.000%
15	4.090	923	933	943	rVB7	3721	8581	0.00%	0.001%
16	4.199	954	967	1006	rBV2	161711	642979	0.31%	0.094%
17	4.643	1086	1105	1132	rBV	389036	932389	0.46%	0.136%
18	4.987	1202	1212	1222	rVB	5322	11316	0.01%	0.002%
19	5.064	1231	1236	1241	rBV4	1290	1577	0.00%	0.000%
20	5.087	1241	1243	1248	rVV4	1078	1083	0.00%	0.000%
21	5.334	1297	1320	1358	rBV2	826416	2440077	1.19%	0.357%
22	5.617	1404	1408	1409	rBV3	1518	930	0.00%	0.000%
23	5.714	1436	1438	1442	rVB4	1676	1044	0.00%	0.000%
24	5.771	1452	1456	1458	rBV5	1021	874	0.00%	0.000%
25	5.881	1477	1490	1515	rBV	823868	1696746	0.83%	0.248%
26	6.183	1572	1584	1603	rBV7	14832	35714	0.02%	0.005%
27	6.328	1614	1629	1661	rBV	516601	1083185	0.53%	0.159%
28	6.726	1744	1753	1758	rBV4	807	1347	0.00%	0.000%
29	6.907	1803	1809	1811	rBV6	1737	1995	0.00%	0.000%
30	6.977	1828	1831	1837	rVB5	1264	1382	0.00%	0.000%
31	7.093	1864	1867	1869	rBV2	1408	849	0.00%	0.000%
32	7.225	1897	1908	1940	rVV2	280041	542880	0.27%	0.079%
33	7.421	1967	1969	1973	rVB4	1556	1064	0.00%	0.000%
34	7.562	1994	2013	2035	rBV	1029156	1905601	0.93%	0.279%

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Integrator: RTE
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Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
 Title : VOC Analysis

35	7.730	2057	2065	2075	rVB3	25827	39963	0.02%	0.006%
36	7.849	2092	2102	2135	rVB2	189737	362143	0.18%	0.053%
37	8.231	2211	2221	2228	rBV6	10625	18459	0.01%	0.003%
38	8.321	2236	2249	2289	rBV	730138	1522232	0.75%	0.223%
39	8.704	2362	2368	2372	rBV7	2896	3781	0.00%	0.001%
40	8.742	2375	2380	2392	rVB6	10319	18018	0.01%	0.003%
41	8.816	2400	2403	2404	rBV3	2178	1356	0.00%	0.000%
42	9.003	2453	2461	2467	rBV8	6349	9125	0.00%	0.001%
43	9.086	2475	2487	2529	rBV	1160933	2034849	1.00%	0.298%
44	9.254	2531	2539	2553	rBV4	20801	59389	0.03%	0.009%
45	9.369	2563	2575	2592	rBV	1417371	2411164	1.18%	0.353%
46	9.778	2691	2702	2736	rBV4	530499	1080138	0.53%	0.158%
47	10.045	2778	2785	2793	rBV8	15948	24744	0.01%	0.004%
48	10.164	2813	2822	2843	rVB	153677	263643	0.13%	0.039%
49	10.430	2895	2905	2919	rBV	700887	1126616	0.55%	0.165%
50	10.585	2943	2953	2969	rBV	316349	507828	0.25%	0.074%
51	10.678	2970	2982	2999	rBV	3648615	7762059	3.80%	1.136%
52	10.768	2999	3010	3019	rBV	2144349	3348346	1.64%	0.490%
53	10.967	3062	3072	3076	rBV	750397	1133577	0.55%	0.166%
54	11.144	3110	3127	3138	rBV	6389848	10012450	4.90%	1.465%
55	11.212	3138	3148	3157	rVV	5925733	8912991	4.36%	1.304%
56	11.263	3157	3164	3176	rVB	2004186	3025204	1.48%	0.443%
57	11.424	3209	3214	3222	rVB	162349	224473	0.11%	0.033%
58	11.482	3222	3232	3242	rBV	1355151	2112495	1.03%	0.309%
59	11.565	3250	3258	3268	rVV	1656389	2439544	1.19%	0.357%
60	11.623	3268	3276	3291	rVB	911818	1404911	0.69%	0.206%
61	11.771	3309	3322	3329	rBV4	795736	1769316	0.87%	0.259%
62	11.865	3340	3351	3365	rBV5	1933581	3882515	1.90%	0.568%
63	11.977	3376	3386	3395	rBV	3697379	5668303	2.77%	0.829%
64	12.022	3395	3400	3408	rVB	639857	808924	0.40%	0.118%
65	12.144	3428	3438	3441	rBV	672990	960900	0.47%	0.141%
66	12.218	3454	3461	3465	rBV	1161196	1637778	0.80%	0.240%
67	12.302	3478	3487	3498	rVB	1559827	2716227	1.33%	0.397%
68	12.424	3514	3525	3535	rVB	5064082	7900023	3.87%	1.156%
69	12.482	3535	3543	3556	rVV2	1616247	2441393	1.20%	0.357%
70	12.549	3558	3564	3574	rVB	257073	377982	0.19%	0.055%
71	12.646	3586	3594	3602	rVB	1263754	1799111	0.88%	0.263%

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ClientSampleId :
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Integration Parameters: LSCINT.P

Integrator: RTE
Smoothing : OFF
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Title : VOC Analysis

72	12.704	3602	3612	3623	rBV2	2871503	5493177	2.69%	0.804%
73	12.819	3639	3648	3658	rBV	3996077	6366510	3.12%	0.932%
74	12.961	3684	3692	3706	rVB	959102	1431967	0.70%	0.210%
75	13.083	3724	3730	3732	rBV3	294804	333656	0.16%	0.049%
76	13.118	3733	3741	3750	rVV3	3887969	6226315	3.05%	0.911%
77	13.183	3751	3761	3773	rVB	13100158	19711295	9.65%	2.884%
78	13.289	3782	3794	3810	rVB	13691603	22242953	10.89%	3.255%
79	13.379	3812	3822	3839	rVB3	1478678	3300345	1.62%	0.483%
80	13.752	3923	3938	3949	rBV2	76751319	147419033	72.16%	21.573%
81	14.138	4051	4058	4064	rBV2	1200701	1816524	0.89%	0.266%
82	14.279	4096	4102	4110	rVB	1283861	1780985	0.87%	0.261%
83	14.334	4110	4119	4128	rBV2	3350843	5767433	2.82%	0.844%
84	14.462	4149	4159	4176	rVB	2708341	5764549	2.82%	0.844%
85	14.585	4190	4197	4210	rVB	1180015	1868284	0.91%	0.273%
86	14.733	4235	4243	4259	rVB	2124843	3817941	1.87%	0.559%
87	14.819	4262	4270	4276	rVV	945440	1459143	0.71%	0.214%
88	14.890	4276	4292	4314	rVB3	99576840	204286285	100.00%	29.894%
89	15.067	4333	4347	4365	rBV2	61869403	104056281	50.94%	15.227%
90	15.604	4504	4514	4523	rBV	2664612	3931074	1.92%	0.575%
91	15.794	4565	4573	4581	rBV	3188250	4786838	2.34%	0.700%
92	15.909	4597	4609	4629	rBV	9830946	16936042	8.29%	2.478%
93	16.054	4644	4654	4661	rBV	6816921	10733348	5.25%	1.571%
94	16.093	4662	4666	4680	rVB	3127593	4247229	2.08%	0.622%
95	16.186	4685	4695	4707	rVB	1347975	2116802	1.04%	0.310%
96	16.279	4708	4724	4737	rBV	1120849	2695356	1.32%	0.394%
97	16.427	4761	4770	4785	rVB	422663	677233	0.33%	0.099%
98	16.520	4788	4799	4819	rVB	1526442	2737694	1.34%	0.401%
99	17.163	4990	4999	5010	rBV3	192516	337888	0.17%	0.049%
100	17.224	5013	5018	5028	rVB2	106781	163669	0.08%	0.024%

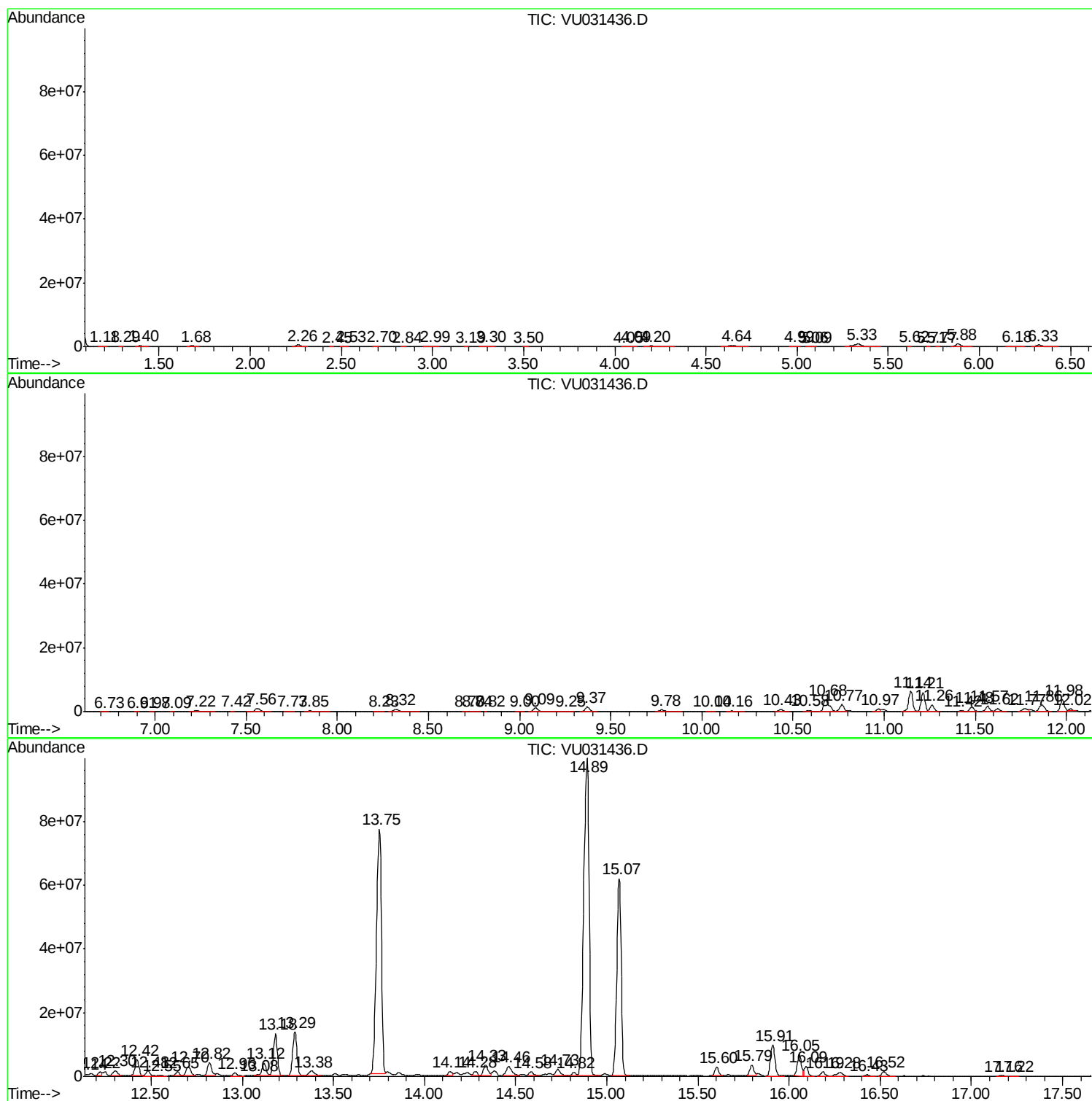
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ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAHW1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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



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ALS Vial : 15 Sample Multiplier: 1

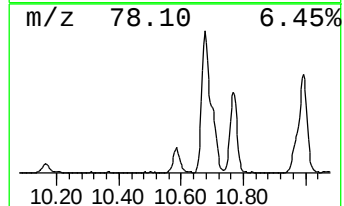
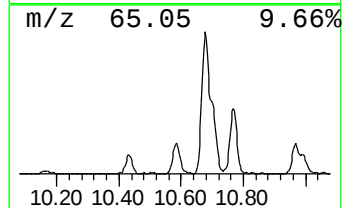
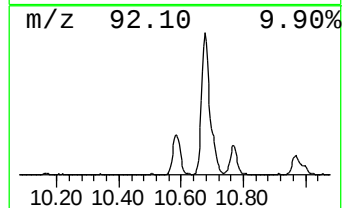
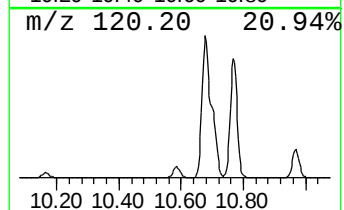
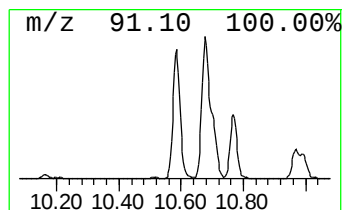
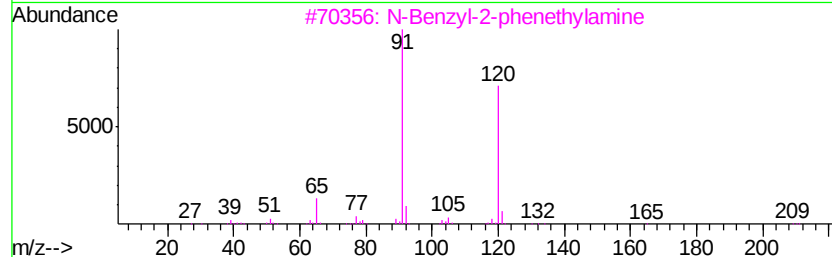
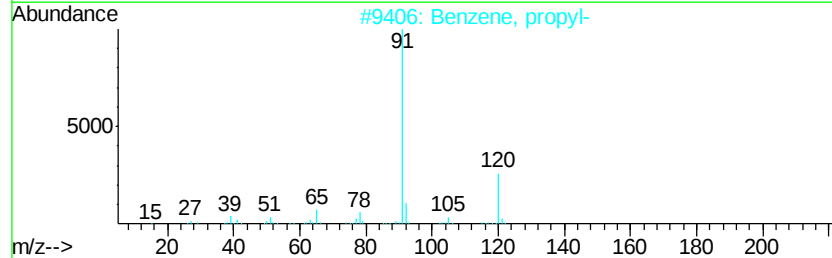
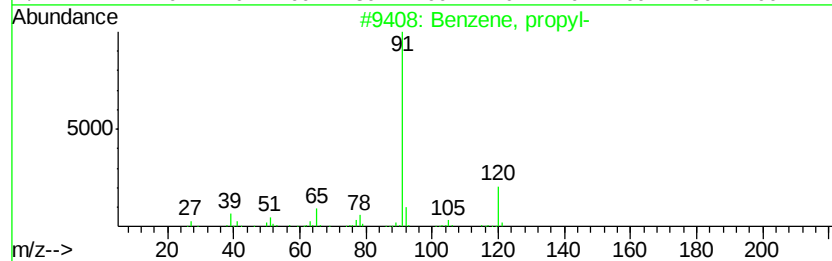
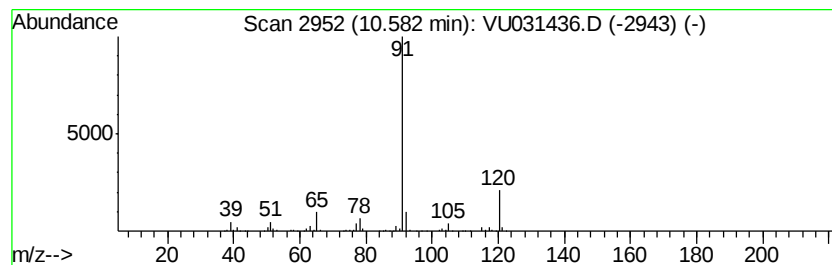
Instrument :
MSVOA_U
ClientSampleId :
GAHW1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

Peak Number 2 Benzene, propyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	12.02 ug/L	507828	1,4-Dichlorobenzene-d4	11.48
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, propyl-	120 C9H12	000103-65-1 90
2		Benzene, propyl-	120 C9H12	000103-65-1 87
3		N-Benzyl-2-phenethylamine	211 C15H17N	003647-71-0 83
4		N-Benzyl-2-phenethylamine	211 C15H17N	003647-71-0 72
5		Phenethylamine, N-benzyl-p-chloro-	245 C15H16ClN	013622-43-0 72



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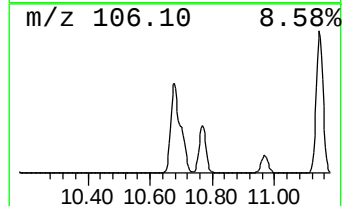
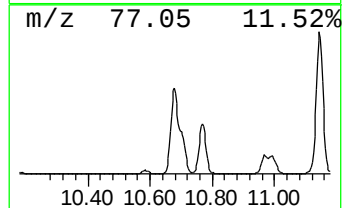
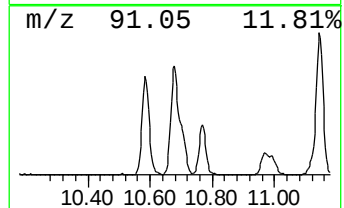
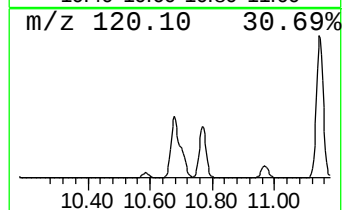
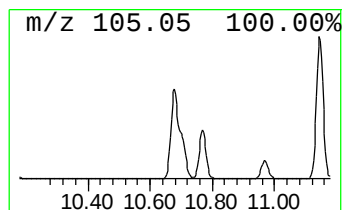
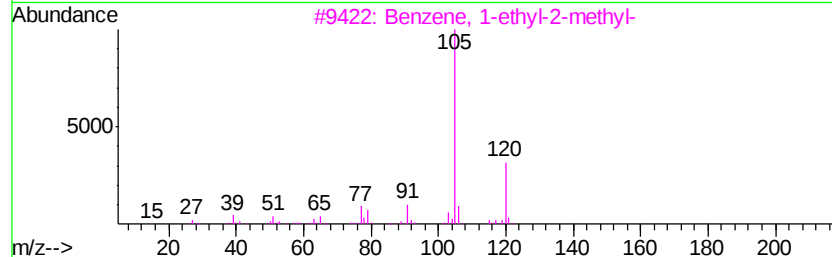
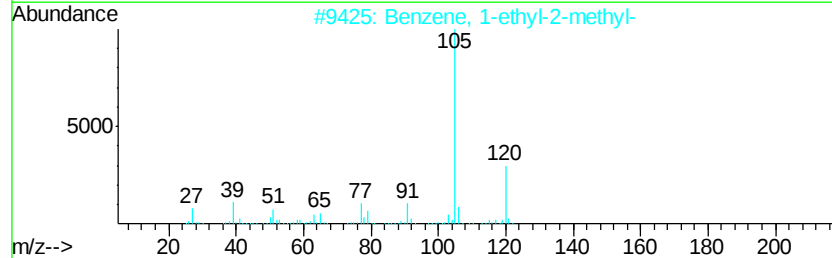
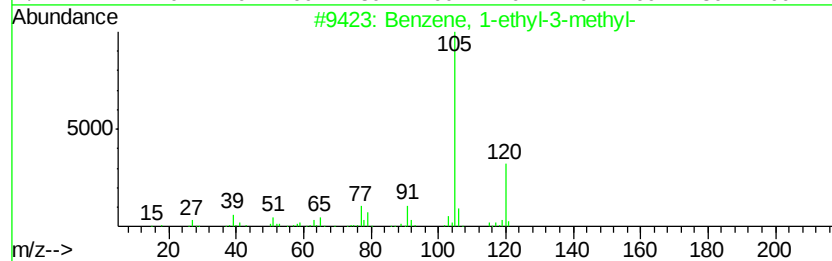
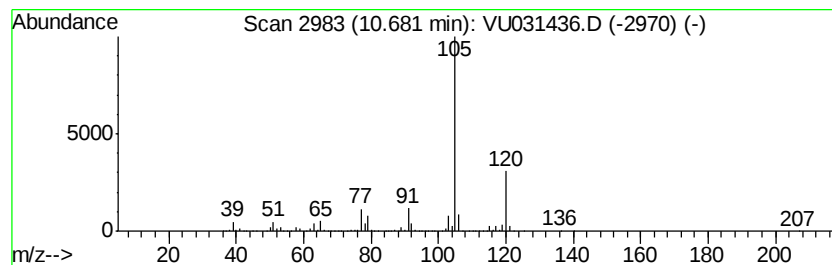
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

Peak Number 3 Benzene, 1-ethyl-3-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	183.72 ug/L	7762060	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
4		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
5		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91



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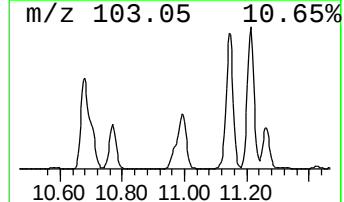
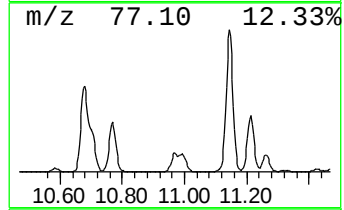
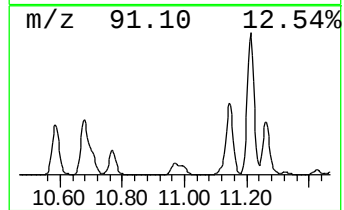
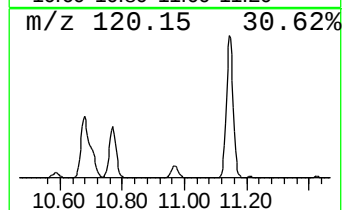
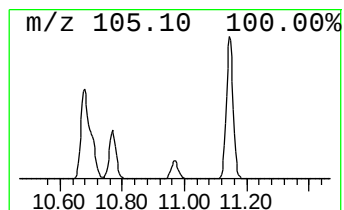
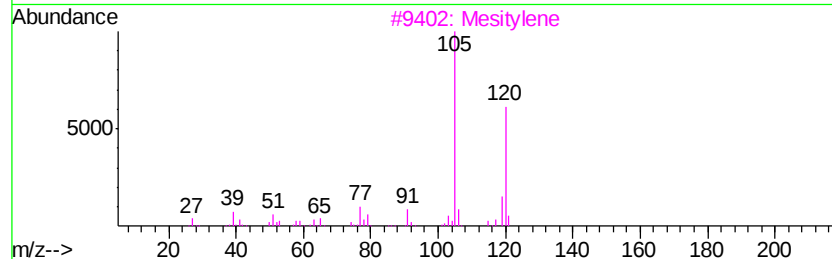
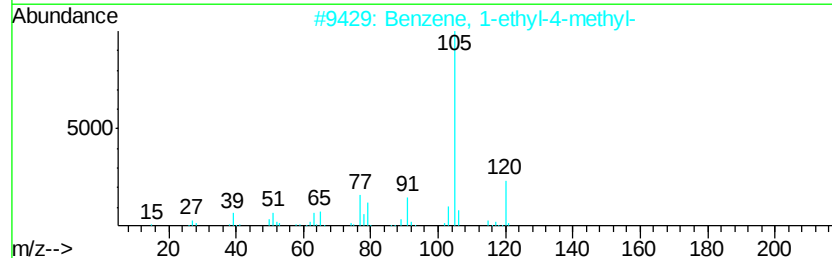
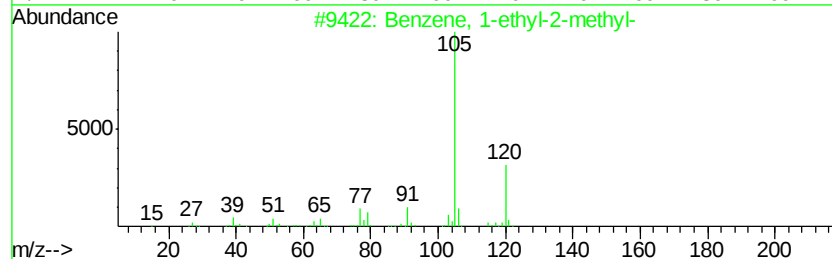
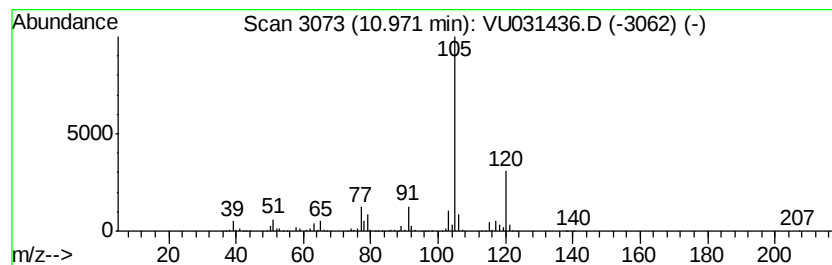
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Quant Title : VOC Analysis

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

Peak Number 5 Benzene, 1-ethyl-2-methyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	26.83 ug/L	1133580	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
3		Mesitylene	120	C9H12	000108-67-8	91
4		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042319\
Data File : VU031436.D
Acq On : 23 Apr 2019 14:26
Operator : JC/SP
Sample : K2481-06 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

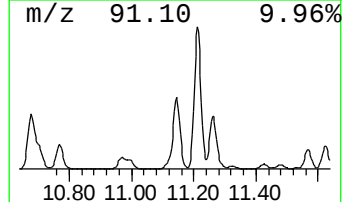
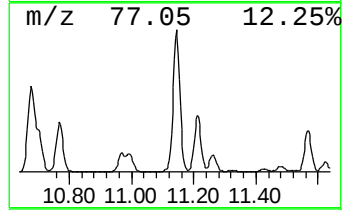
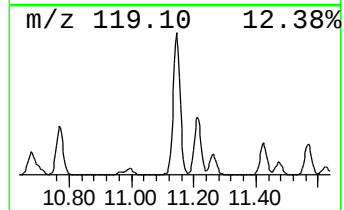
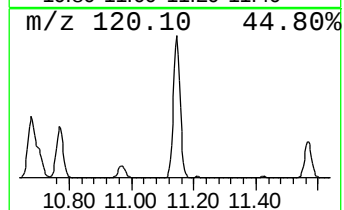
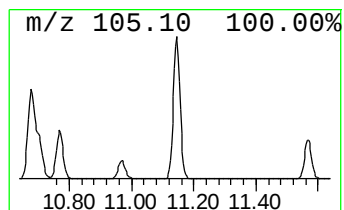
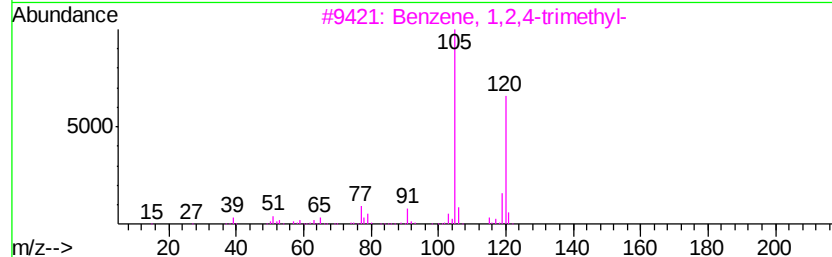
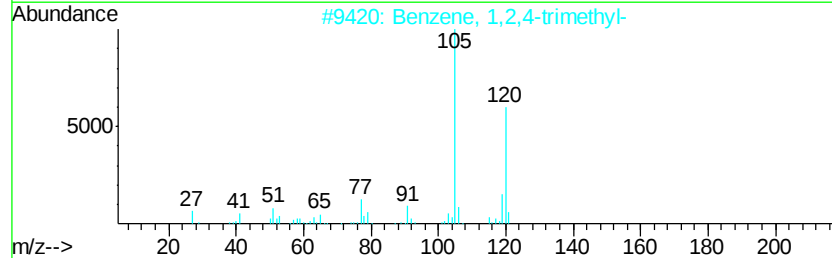
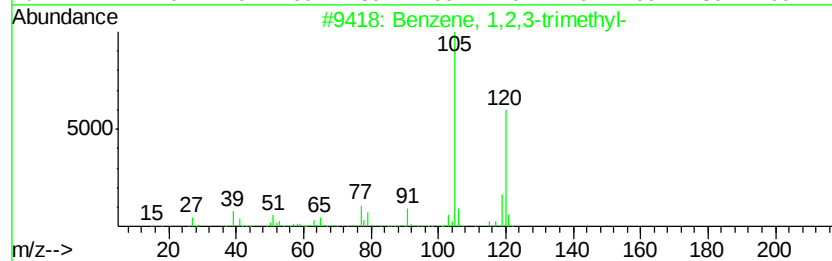
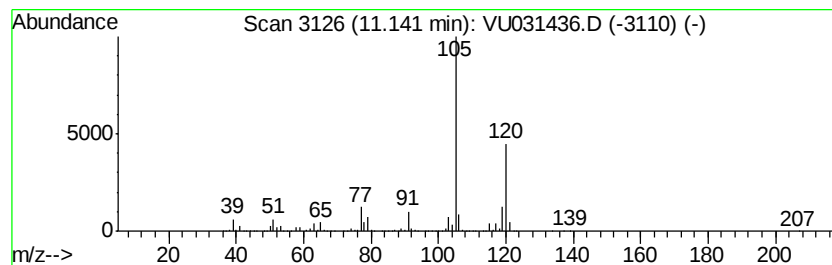
Instrument :
MSVOA_U
ClientSampleId :
GAHW1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

Peak Number 6 Benzene, 1,2,3-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	236.98 ug/L	10012500	1,4-Dichlorobenzene-d4	11.48
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1,2,3-trimethyl-	120 C9H12	000526-73-8 97
2		Benzene, 1,2,4-trimethyl-	120 C9H12	000095-63-6 95
3		Benzene, 1,2,4-trimethyl-	120 C9H12	000095-63-6 95
4		Benzene, 1,2,3-trimethyl-	120 C9H12	000526-73-8 94
5		Benzene, 1,2,4-trimethyl-	120 C9H12	000095-63-6 91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042319\
Data File : VU031436.D
Acq On : 23 Apr 2019 14:26
Operator : JC/SP
Sample : K2481-06 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAHW1

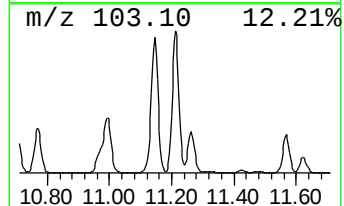
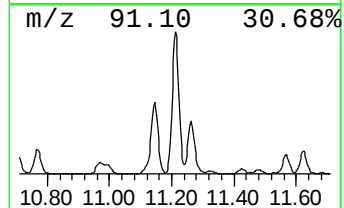
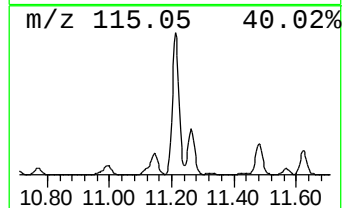
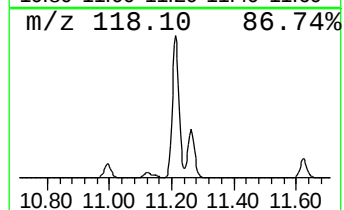
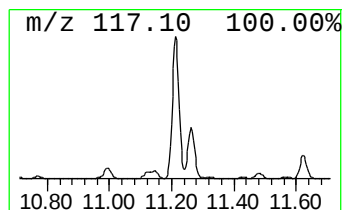
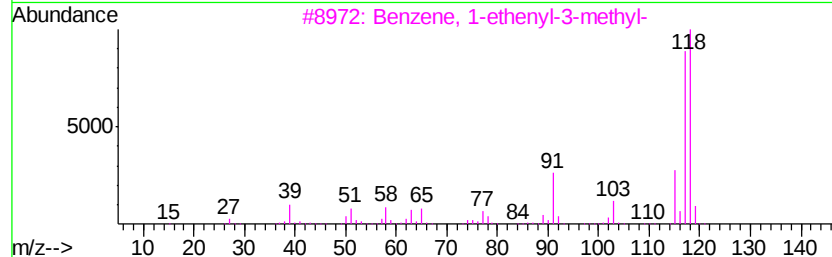
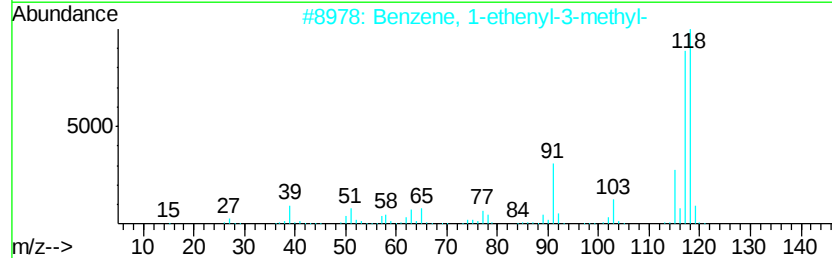
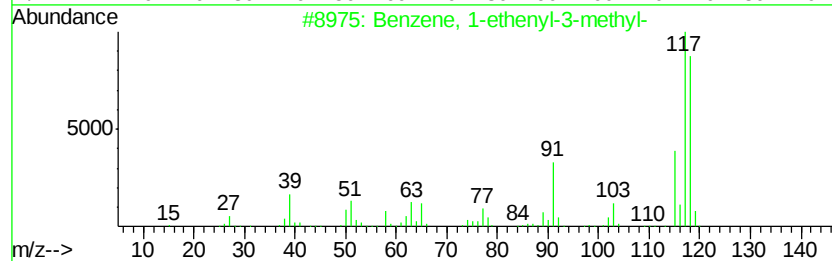
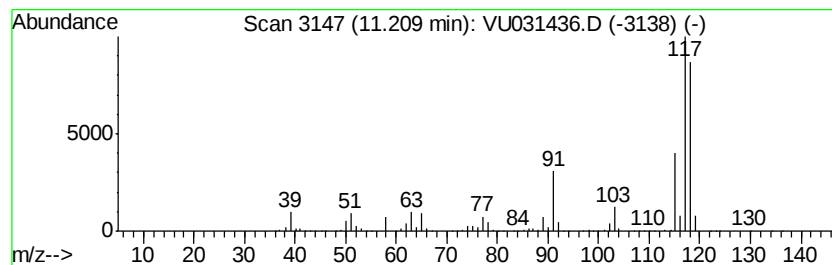
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Quant Title : VOC Analysis

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

Peak Number 7 Benzene, 1-ethenyl-3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	210.96 ug/L	8912990	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
2		Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
3		Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
4		Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	95
5		Benzene, cyclopropyl-	118	C9H10	000873-49-4	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042319\
Data File : VU031436.D
Acq On : 23 Apr 2019 14:26
Operator : JC/SP
Sample : K2481-06 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

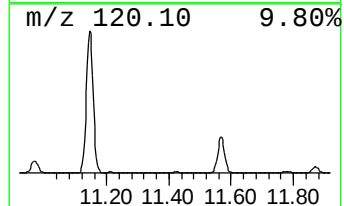
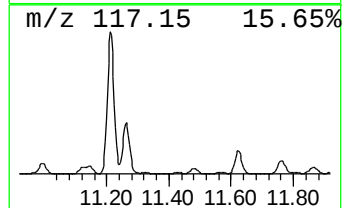
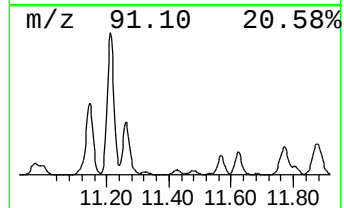
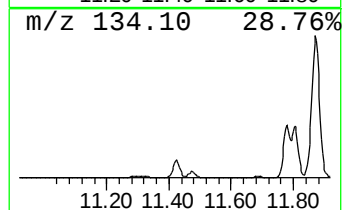
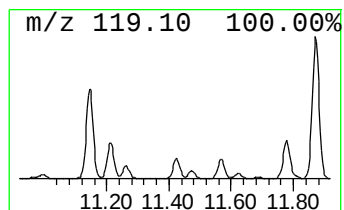
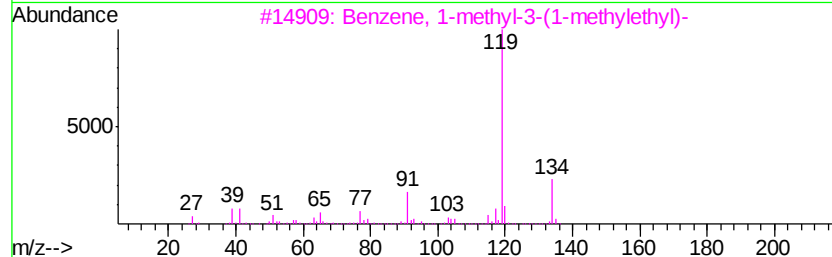
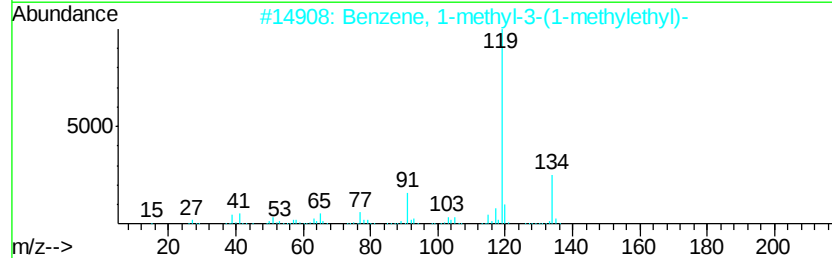
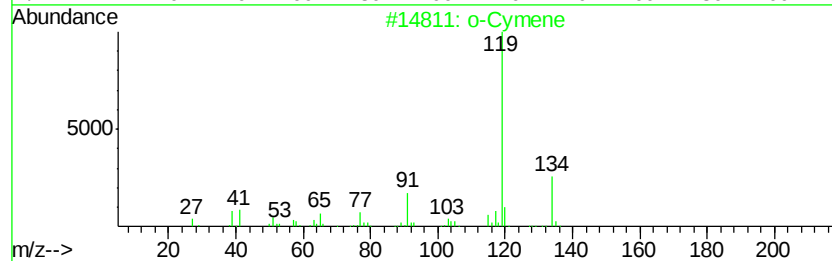
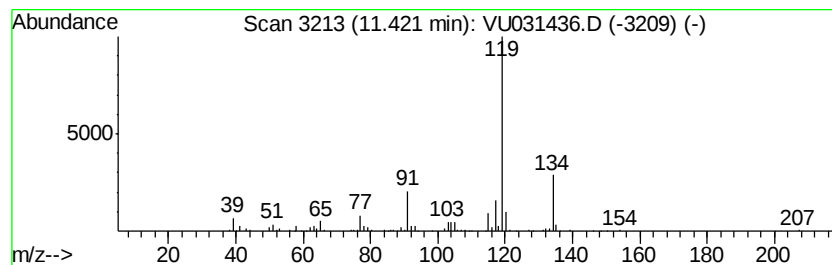
Instrument :
MSVOA_U
ClientSampleId :
GAHW1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

Peak Number 9 o-Cymene Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.42	5.31 ug/L	224473	1,4-Dichlorobenzene-d4	11.48
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		o-Cymene	134 C10H14	000527-84-4 97
2		Benzene, 1-methyl-3-(1-methyleth...	134 C10H14	000535-77-3 95
3		Benzene, 1-methyl-3-(1-methyleth...	134 C10H14	000535-77-3 95
4		Benzene, 1-methyl-3-(1-methyleth...	134 C10H14	000535-77-3 95
5		p-Cymene	134 C10H14	000099-87-6 95



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042319\
Data File : VU031436.D
Acq On : 23 Apr 2019 14:26
Operator : JC/SP
Sample : K2481-06 5X
Misc : 5.09µ/5mL/100µL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

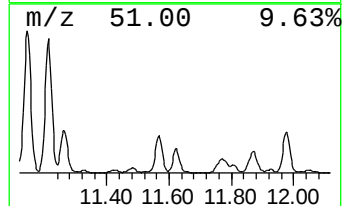
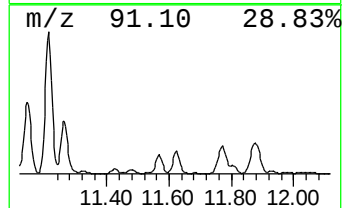
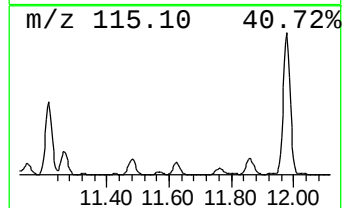
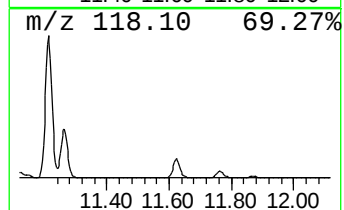
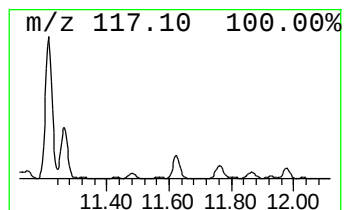
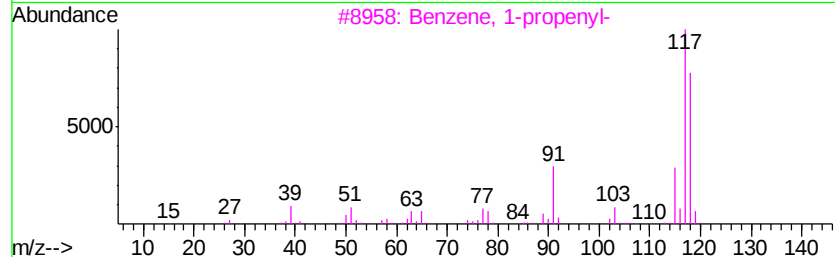
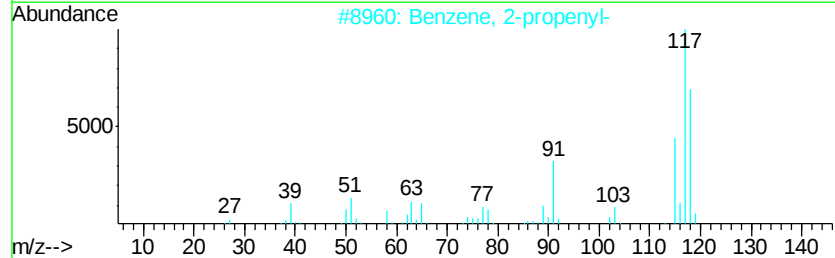
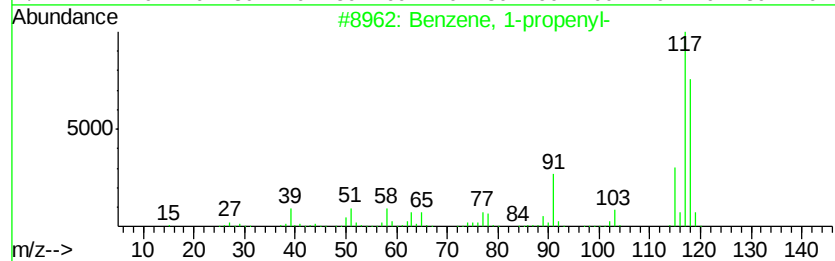
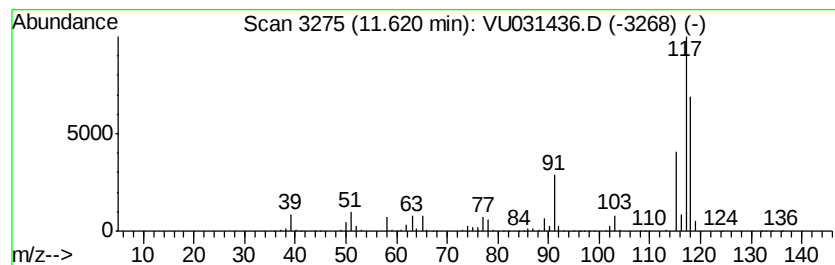
Instrument :
MSVOA_U
ClientSampled :
GAHW1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

Peak Number 11 Benzene, 1-propenyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	33.25 ug/L	1404910	1,4-Dichlorobenzene-d4	11.48
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1-propenyl-	118 C9H10	000637-50-3 95
2		Benzene, 2-propenyl-	118 C9H10	000300-57-2 95
3		Benzene, 1-propenyl-	118 C9H10	000637-50-3 95
4		(Z)-1-Phenylpropene	118 C9H10	000766-90-5 93
5		Benzene, cyclopropyl-	118 C9H10	000873-49-4 93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042319\
Data File : VU031436.D
Acq On : 23 Apr 2019 14:26
Operator : JC/SP
Sample : K2481-06 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

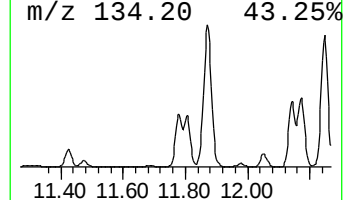
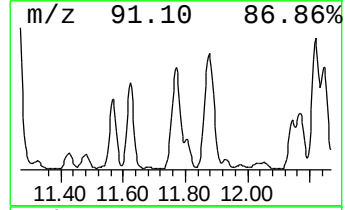
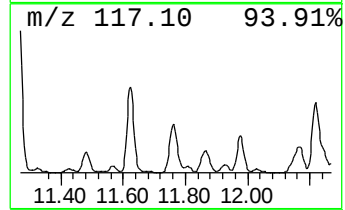
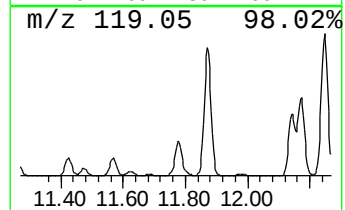
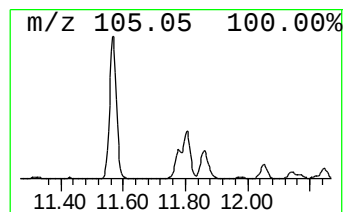
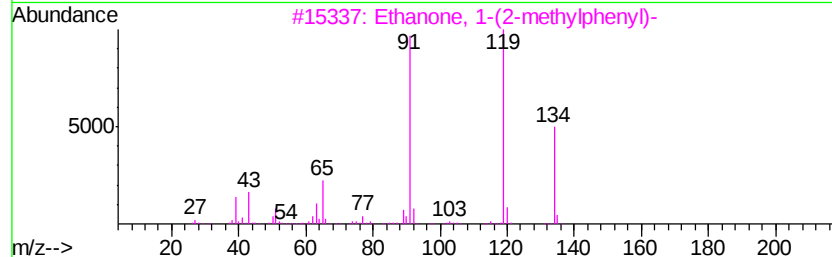
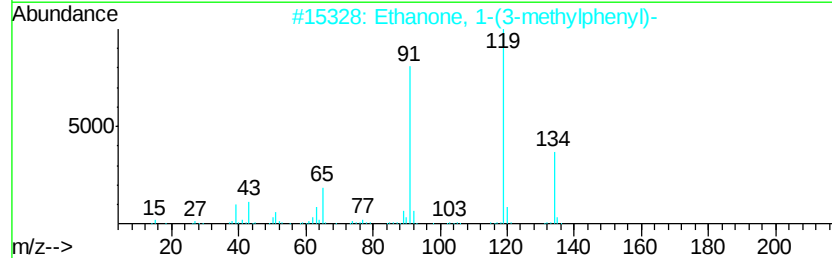
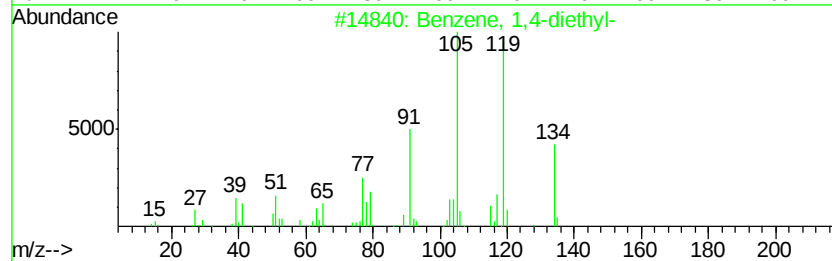
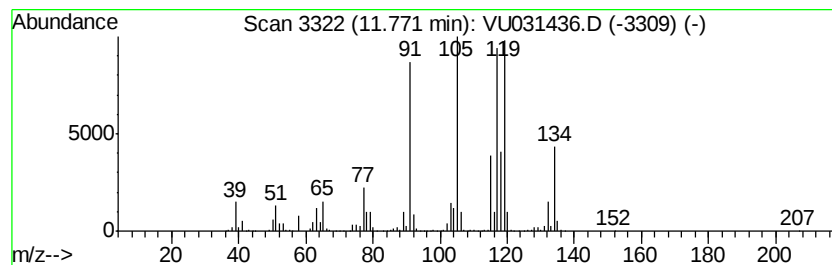
Instrument :
MSVOA_U
ClientSampleId :
GAHW1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

Peak Number 12 Benzene, 1,4-diethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	41.88 ug/L	1769320	1,4-Dichlorobenzene-d4	11.48
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1,4-diethyl-	134 C10H14	000105-05-5 86
2		Ethanone, 1-(3-methylphenyl)-	134 C9H10O	000585-74-0 70
3		Ethanone, 1-(2-methylphenyl)-	134 C9H10O	000577-16-2 70
4		Ethanone, 1-(2-methylphenyl)-	134 C9H10O	000577-16-2 70
5		Benzene, 1-ethenyl-3-ethyl-	132 C10H12	007525-62-4 55



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042319\
Data File : VU031436.D
Acq On : 23 Apr 2019 14:26
Operator : JC/SP
Sample : K2481-06 5X
Misc : 5.09µ/5mL/100µL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleID :
GAHW1

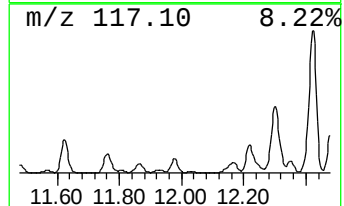
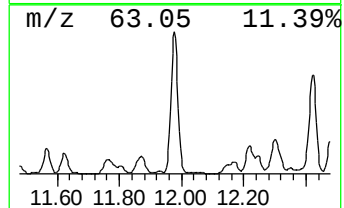
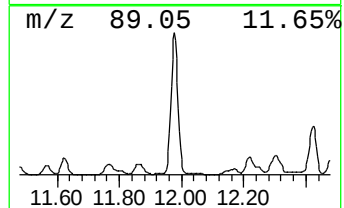
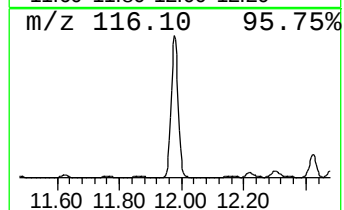
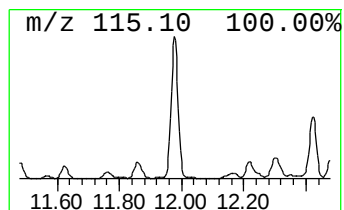
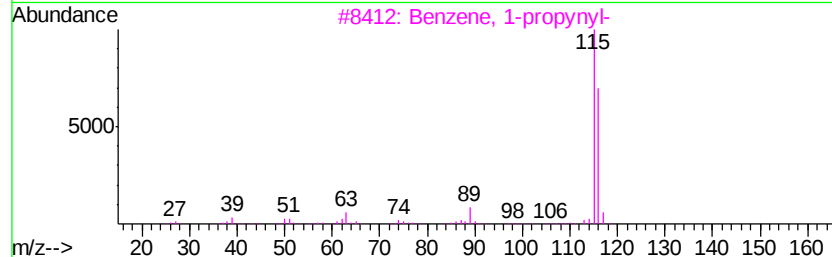
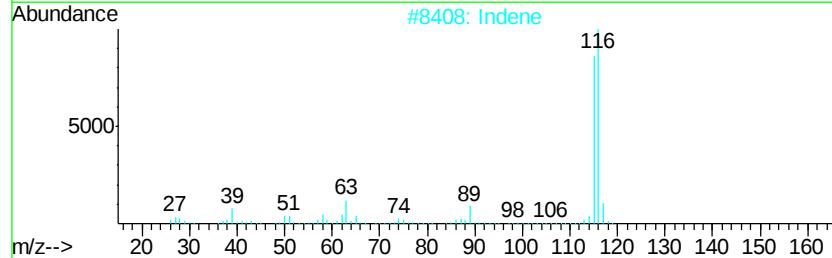
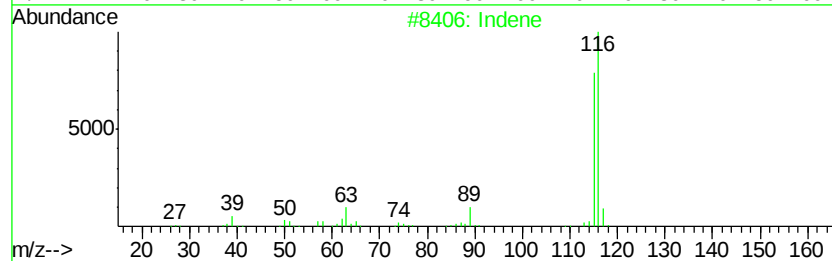
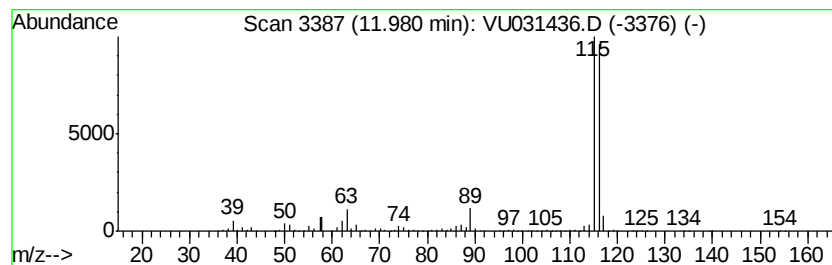
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Quant Title : VOC Analysis

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

Peak Number 13 Indene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	134.16 ug/L	5668300	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indene	116	C9H8	000095-13-6	97
2		Indene	116	C9H8	000095-13-6	95
3		Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
4		Indene	116	C9H8	000095-13-6	94
5		Benzene, 1-propynyl-	116	C9H8	000673-32-5	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042319\
Data File : VU031436.D
Acq On : 23 Apr 2019 14:26
Operator : JC/SP
Sample : K2481-06 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAHW1

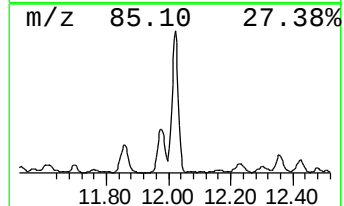
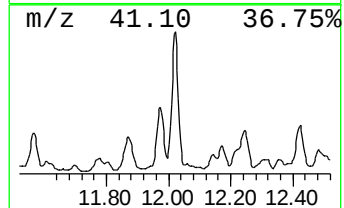
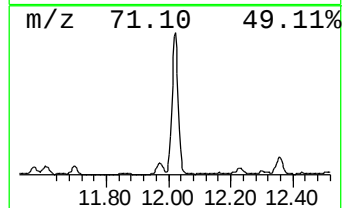
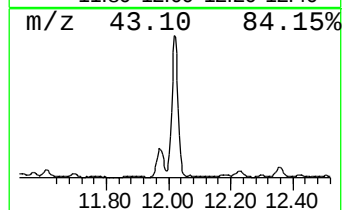
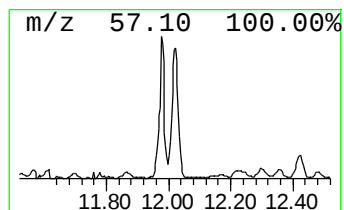
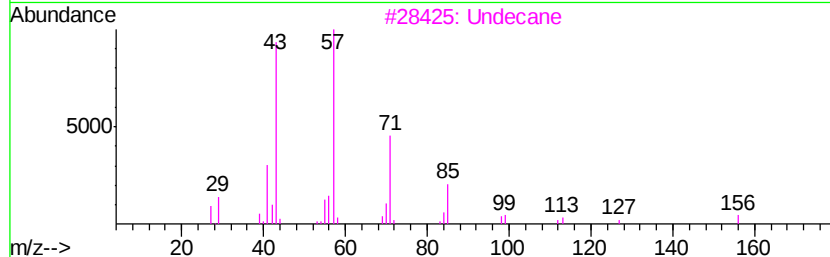
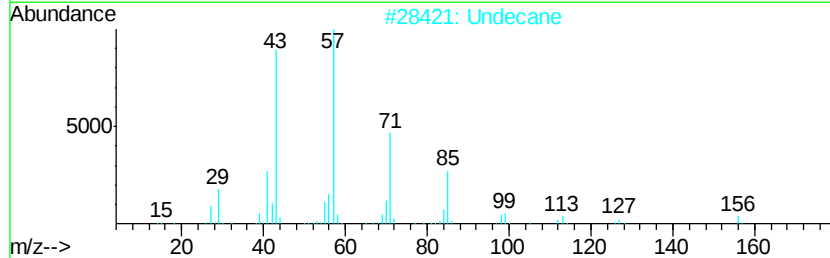
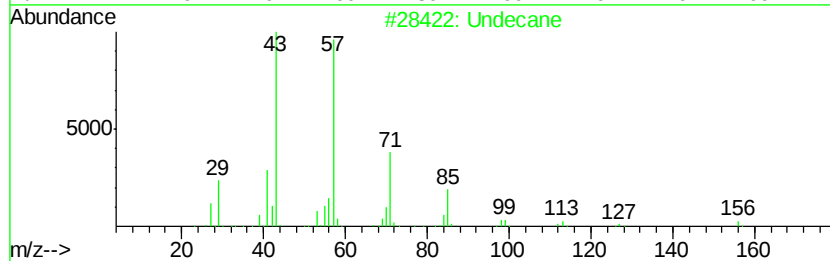
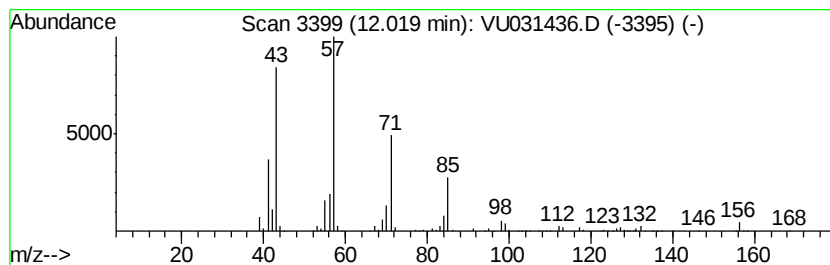
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Quant Title : VOC Analysis

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

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	19.15 ug/L	808924	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane	156	C11H24	001120-21-4	91
2		Undecane	156	C11H24	001120-21-4	90
3		Undecane	156	C11H24	001120-21-4	87
4		Tritetracontane	605	C43H88	007098-21-7	78
5		Undecane, 4,7-dimethyl-	184	C13H28	017301-32-5	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042319\
Data File : VU031436.D
Acq On : 23 Apr 2019 14:26
Operator : JC/SP
Sample : K2481-06 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAHW1

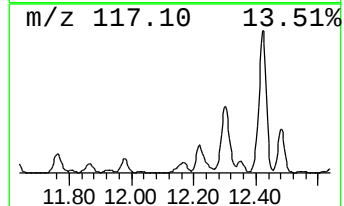
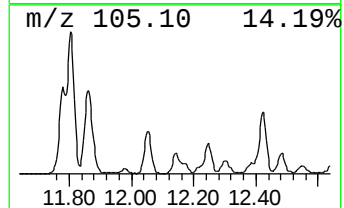
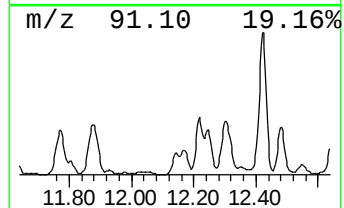
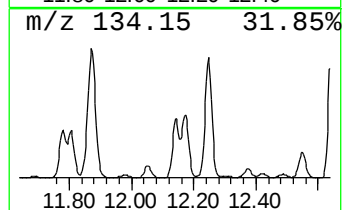
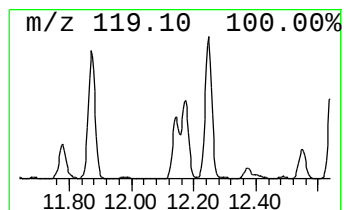
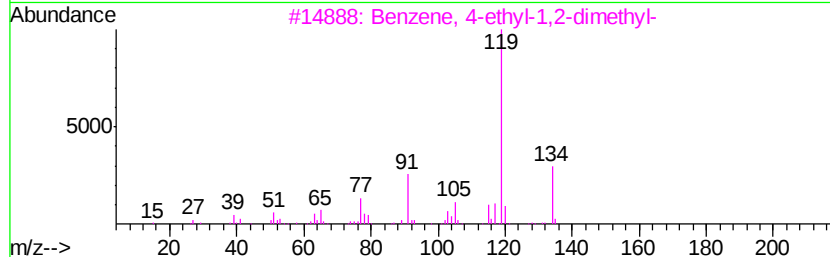
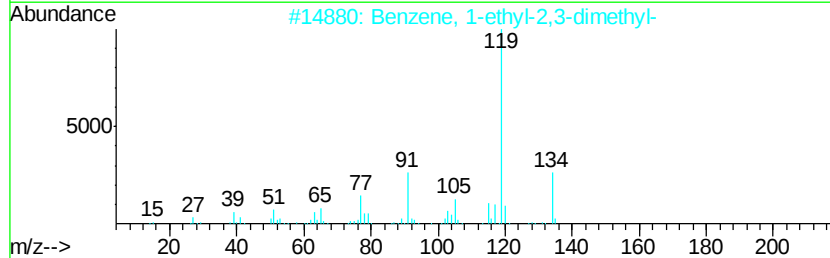
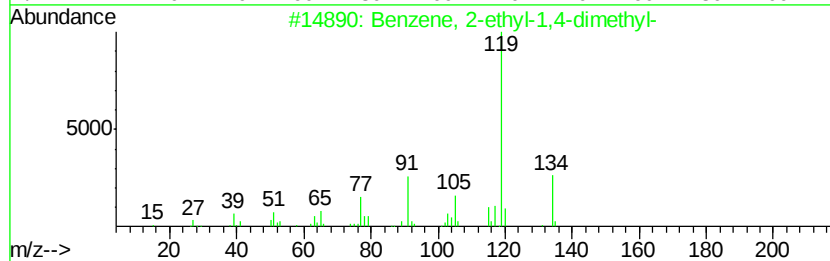
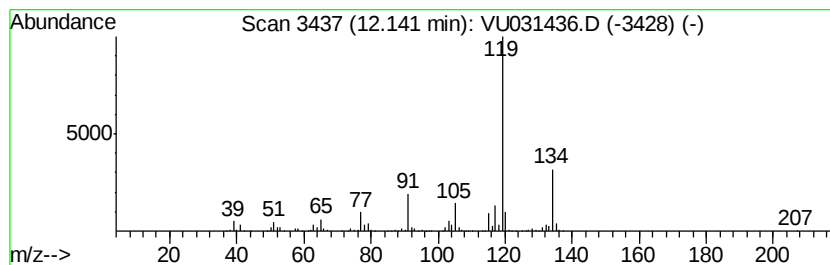
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Quant Title : VOC Analysis

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

Peak Number 15 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	22.74 ug/L	960900	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
3		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
4		o-Cymene	134	C10H14	000527-84-4	94
5		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042319\
Data File : VU031436.D
Acq On : 23 Apr 2019 14:26
Operator : JC/SP
Sample : K2481-06 5X
Misc : 5.09µ/5mL/100µL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAHW1

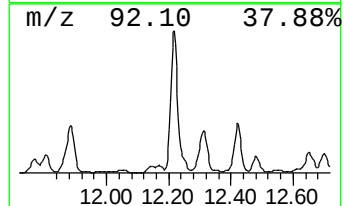
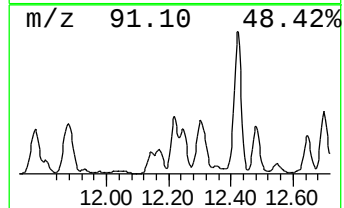
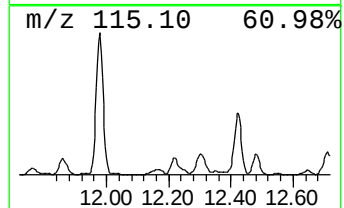
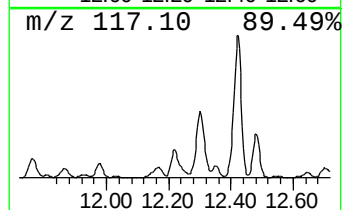
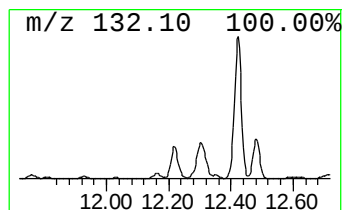
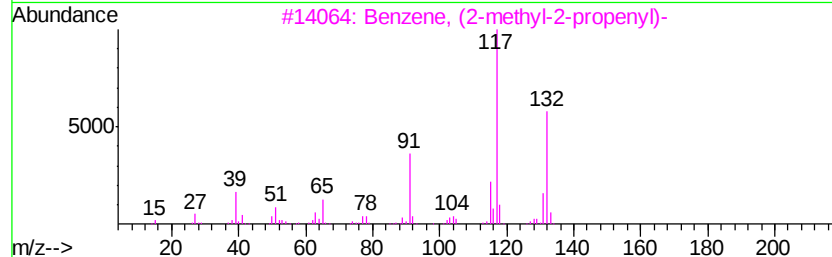
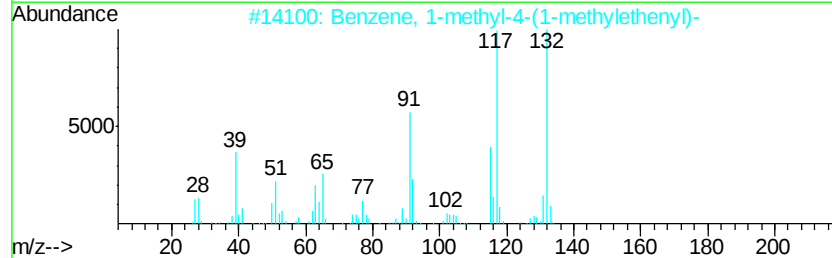
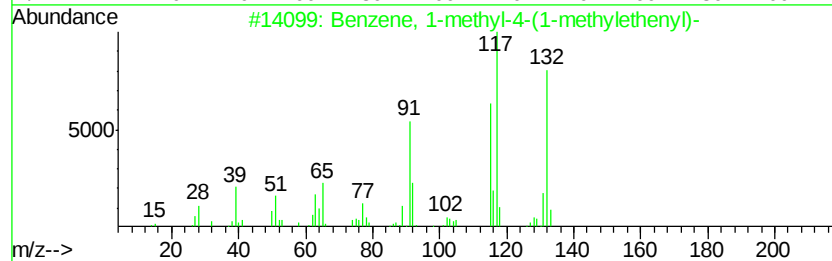
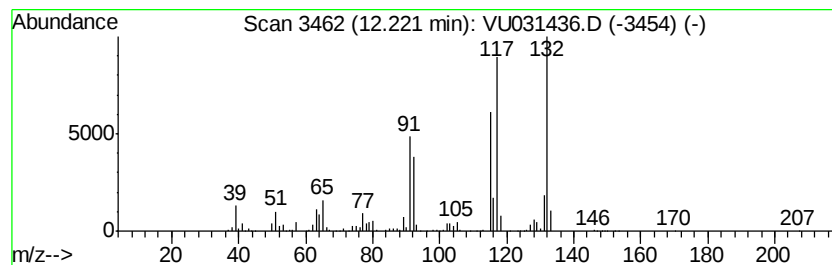
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Quant Title : VOC Analysis

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

Peak Number 16 Benzene, 1-methyl-4-(1-meth... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	38.76 ug/L	1637780	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	94
2		Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	81
3		Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	76
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	76
5		Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	76



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042319\
Data File : VU031436.D
Acq On : 23 Apr 2019 14:26
Operator : JC/SP
Sample : K2481-06 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAHW1

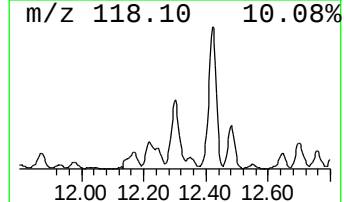
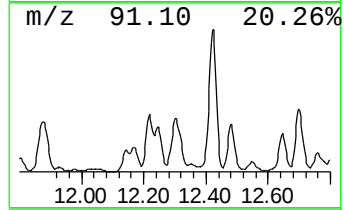
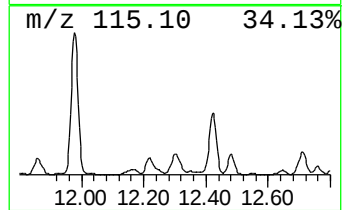
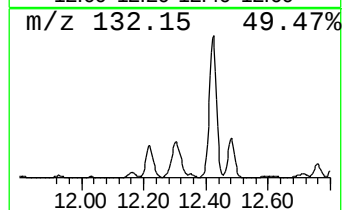
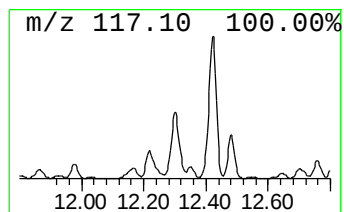
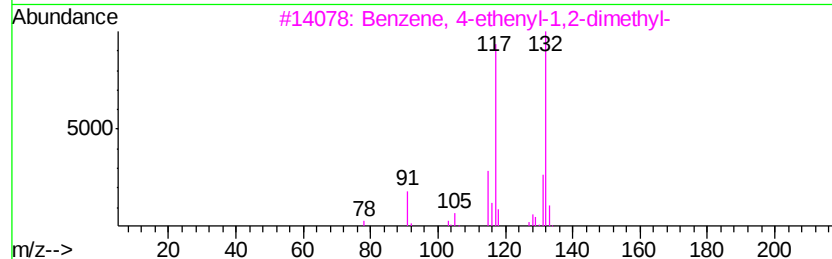
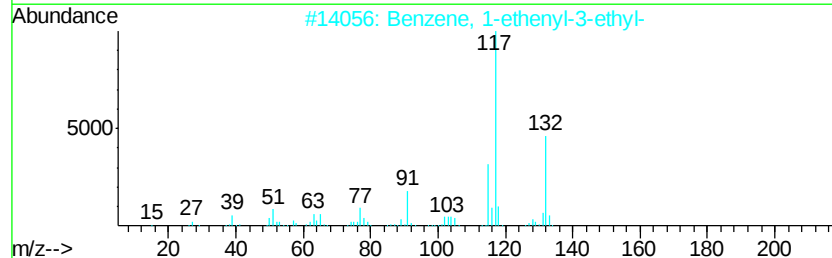
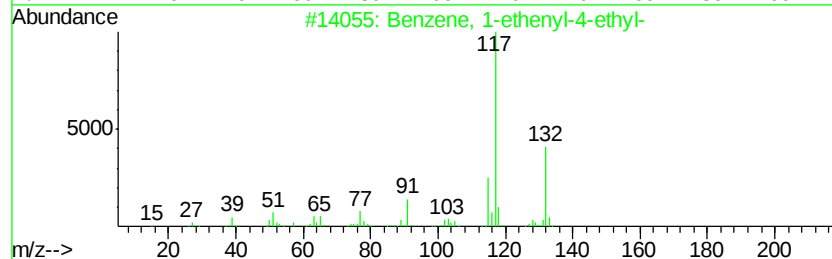
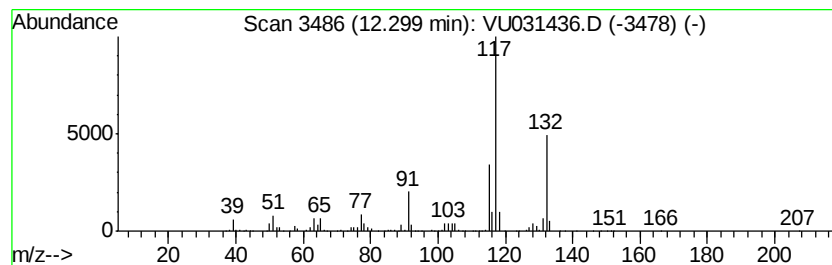
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Quant Title : VOC Analysis

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

Peak Number 17 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	64.29 ug/L	2716230	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	97
2		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	96
3		Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	94
4		Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	93
5		1-Phenyl-1-butene	132	C10H12	000824-90-8	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042319\
Data File : VU031436.D
Acq On : 23 Apr 2019 14:26
Operator : JC/SP
Sample : K2481-06 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAHW1

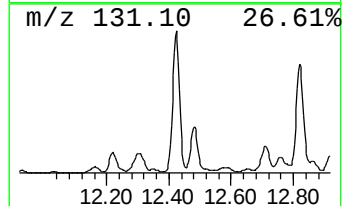
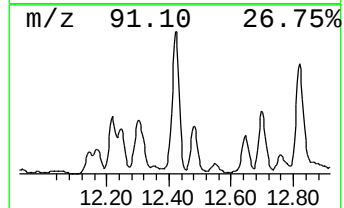
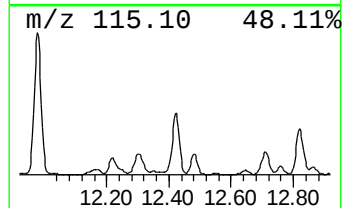
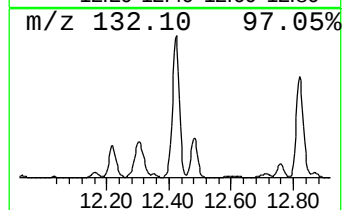
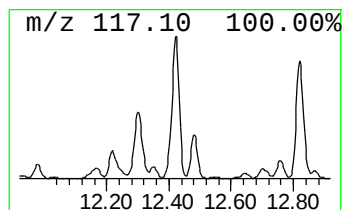
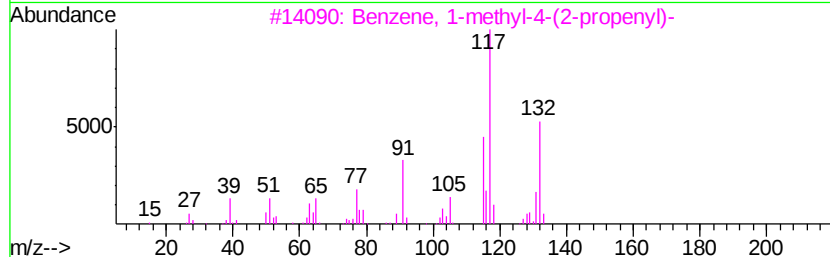
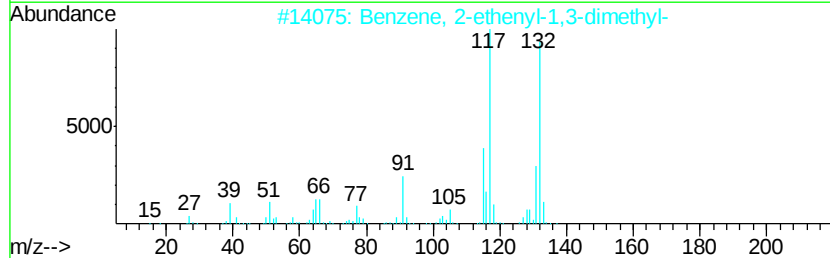
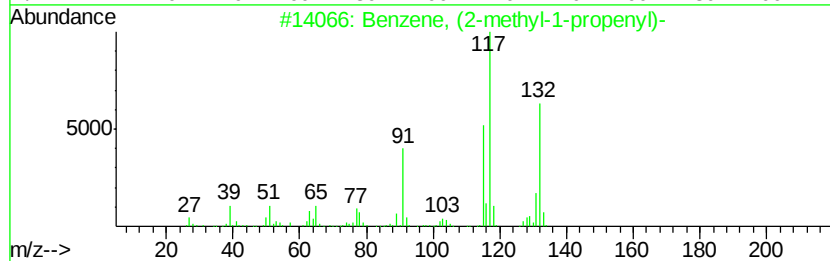
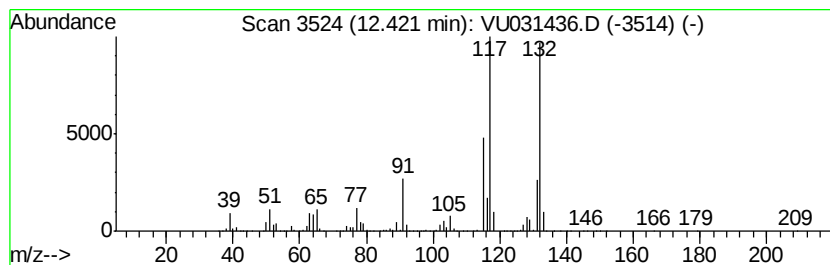
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Quant Title : VOC Analysis

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

Peak Number 18 Benzene, (2-methyl-1-propen... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	186.98 ug/L	7900020	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	95
2		Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	94
3		Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	94
4		2,4-Dimethylstyrene	132	C10H12	002234-20-0	94
5		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042319\
Data File : VU031436.D
Acq On : 23 Apr 2019 14:26
Operator : JC/SP
Sample : K2481-06 5X
Misc : 5.09µ/5mL/100µL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAHW1

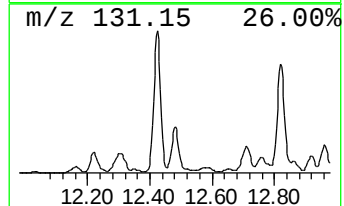
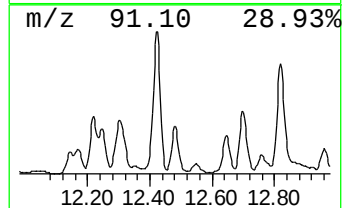
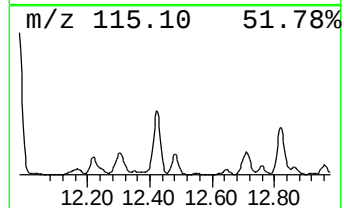
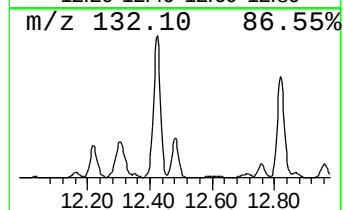
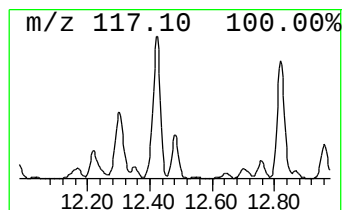
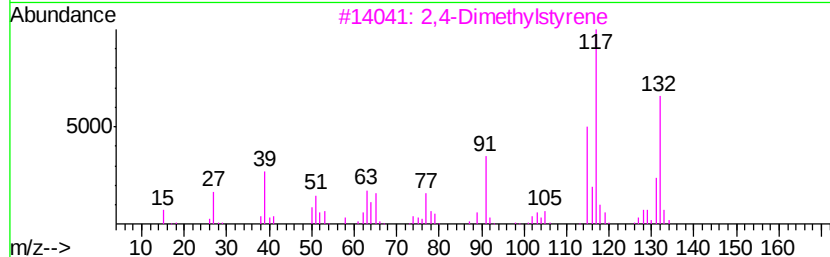
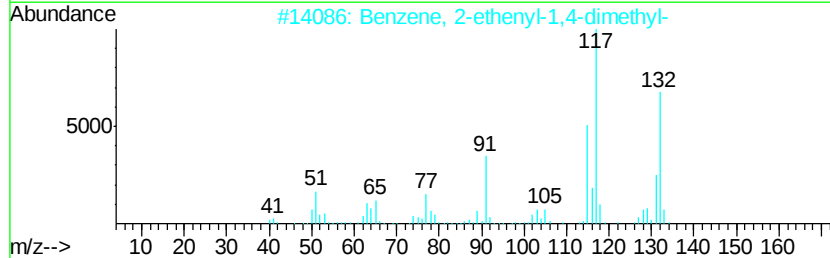
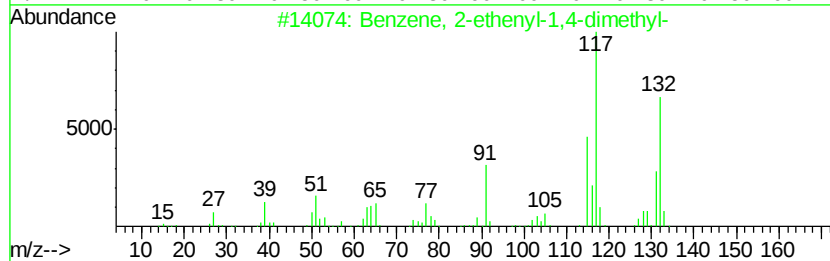
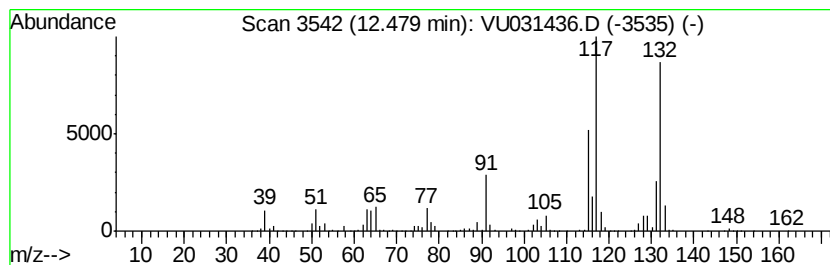
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

Peak Number 19 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	57.78 ug/L	2441390	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	97
2		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	97
3		2,4-Dimethylstyrene	132	C10H12	002234-20-0	97
4		Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	96
5		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	96



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042319\
Data File : VU031436.D
Acq On : 23 Apr 2019 14:26
Operator : JC/SP
Sample : K2481-06 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAHW1

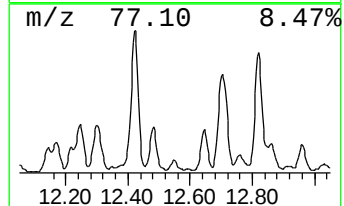
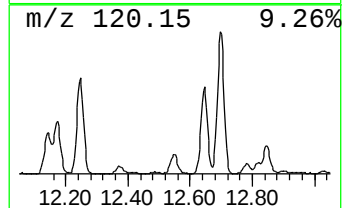
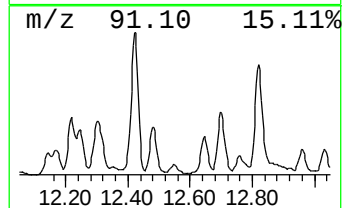
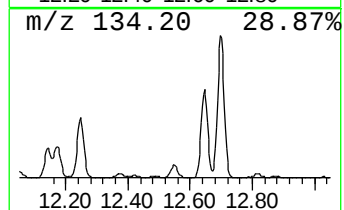
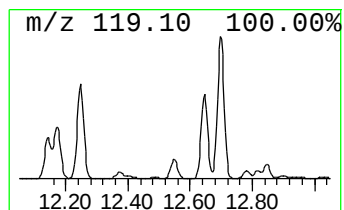
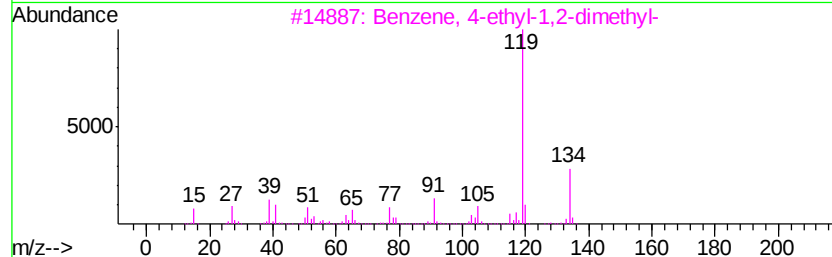
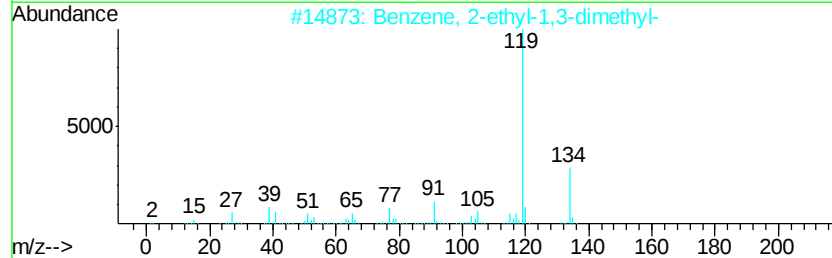
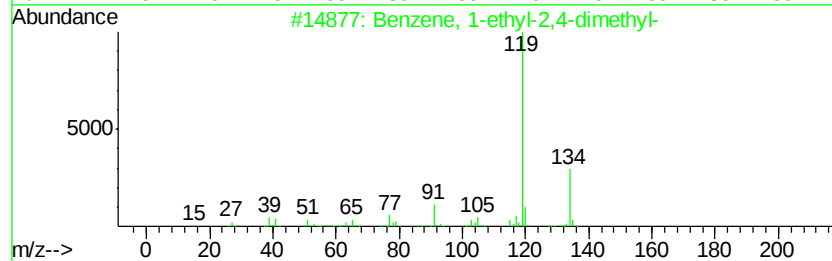
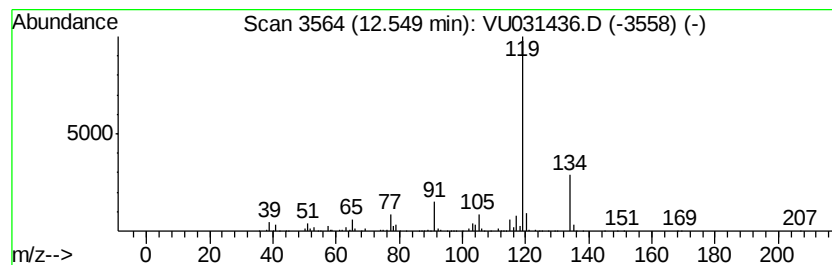
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Quant Title : VOC Analysis

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

Peak Number 20 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	8.95 ug/L	377982	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
2		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
3		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
4		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
5		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042319\
Data File : VU031436.D
Acq On : 23 Apr 2019 14:26
Operator : JC/SP
Sample : K2481-06 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAHW1

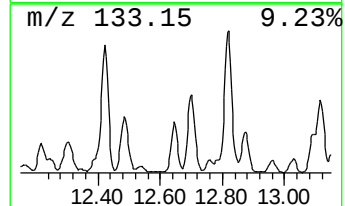
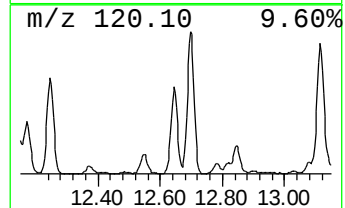
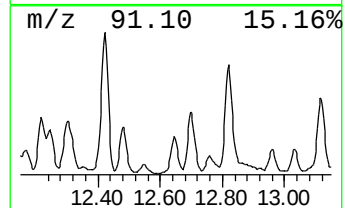
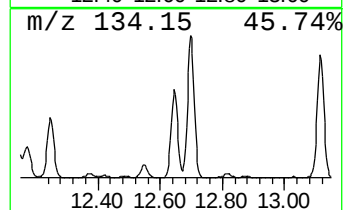
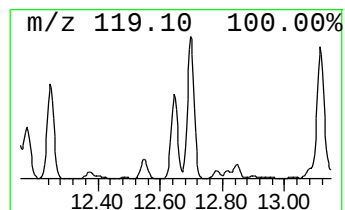
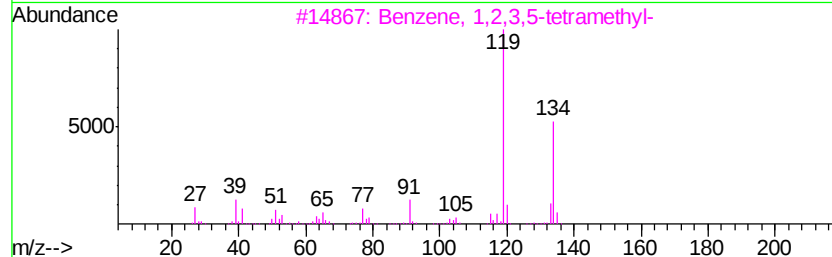
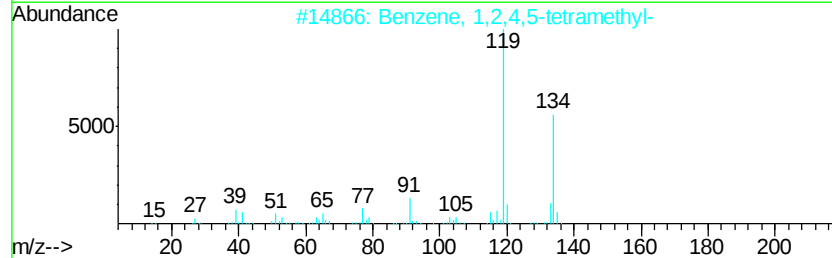
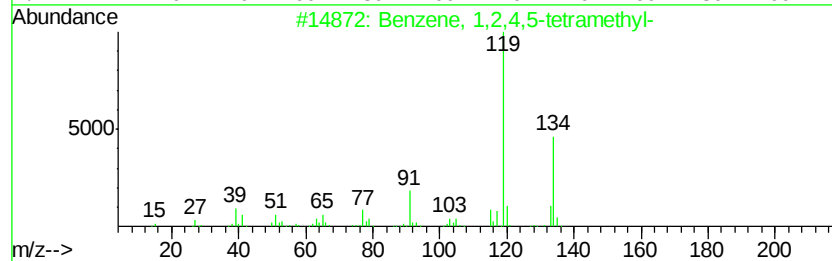
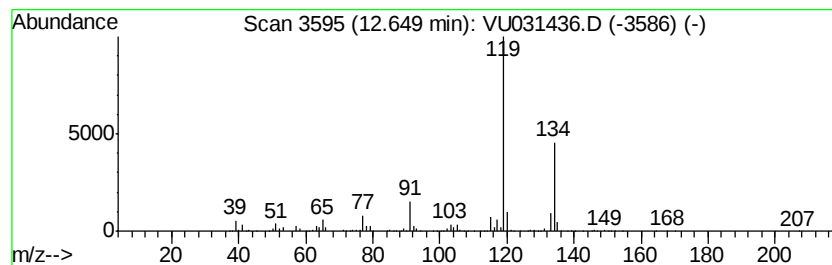
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Quant Title : VOC Analysis

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

Peak Number 21 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	42.58 ug/L	1799110	1,4-Dichlorobenzene-d4	11.48

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042319\
Data File : VU031436.D
Acq On : 23 Apr 2019 14:26
Operator : JC/SP
Sample : K2481-06 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAHW1

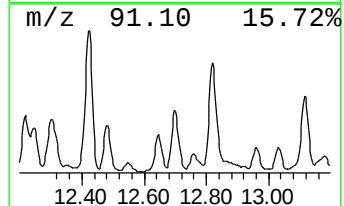
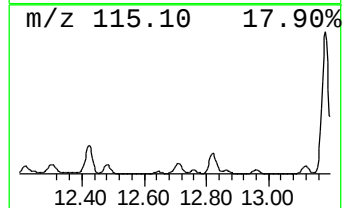
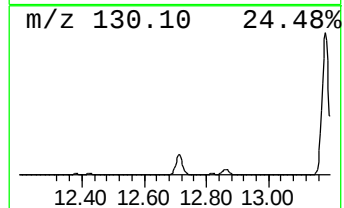
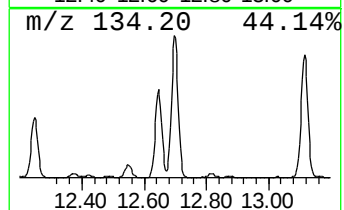
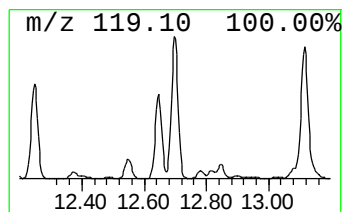
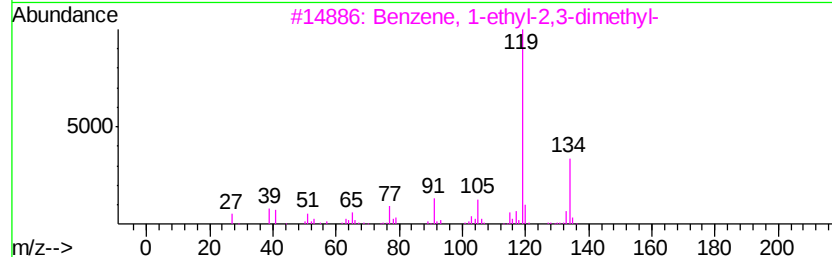
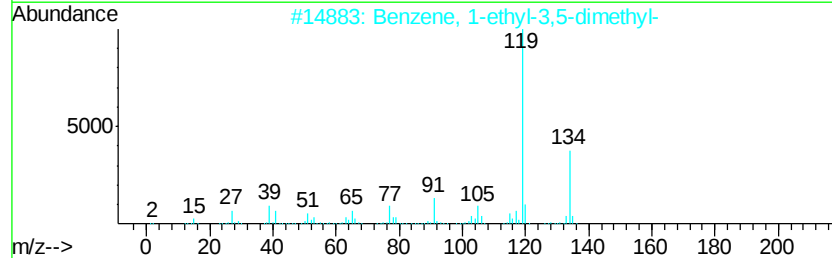
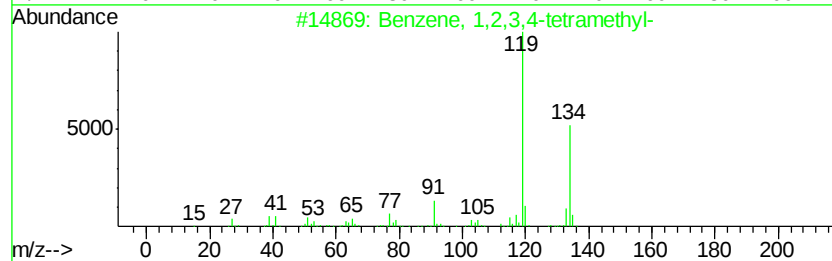
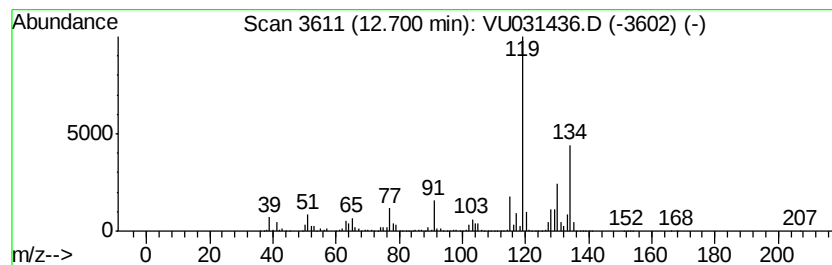
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Quant Title : VOC Analysis

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

Peak Number 22 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	130.02 ug/L	5493180	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	64
2		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	64
3		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	64
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	64
5		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042319\
Data File : VU031436.D
Acq On : 23 Apr 2019 14:26
Operator : JC/SP
Sample : K2481-06 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAHW1

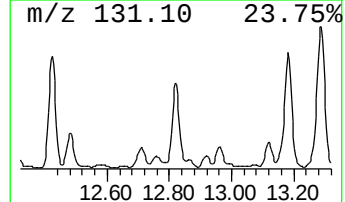
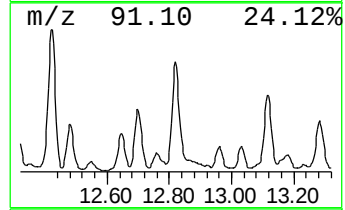
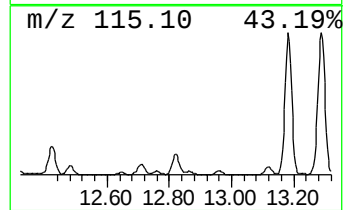
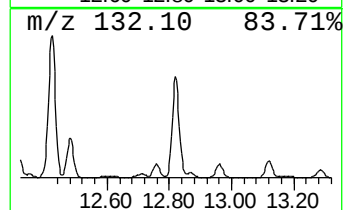
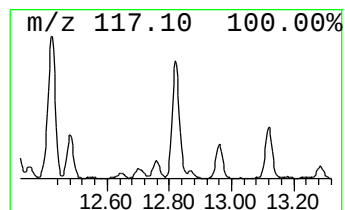
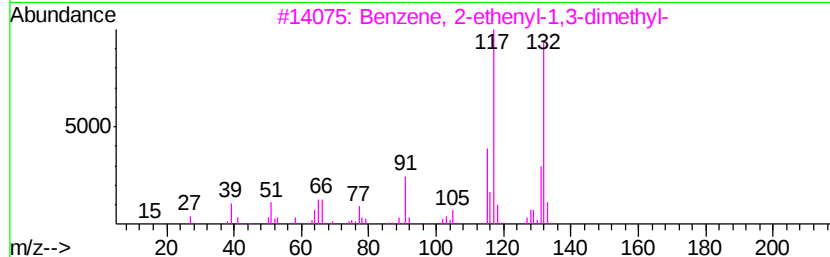
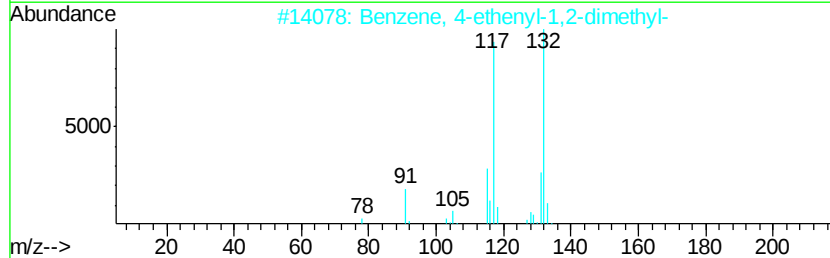
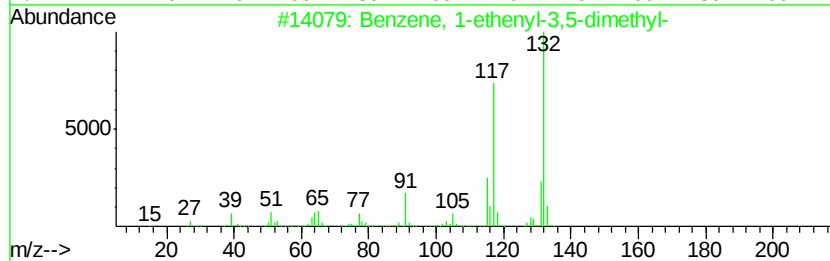
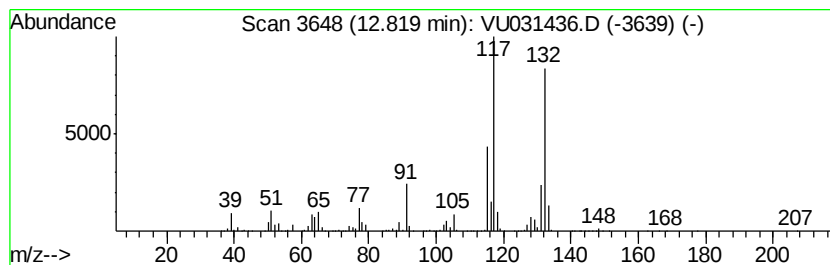
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Quant Title : VOC Analysis

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

Peak Number 23 Benzene, 1-ethenyl-3,5-dime... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.82	150.69 ug/L	6366510	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	96
2		Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	95
3		Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	95
4		(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	94
5		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042319\
Data File : VU031436.D
Acq On : 23 Apr 2019 14:26
Operator : JC/SP
Sample : K2481-06 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAHW1

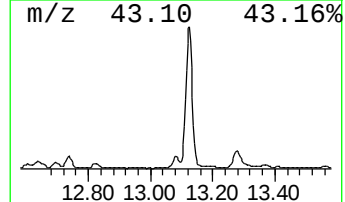
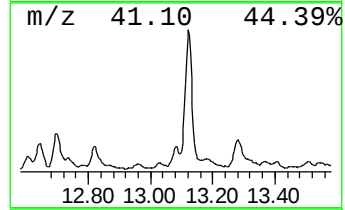
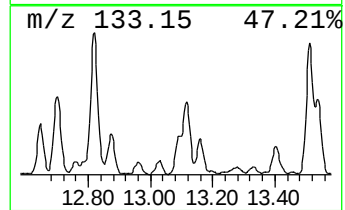
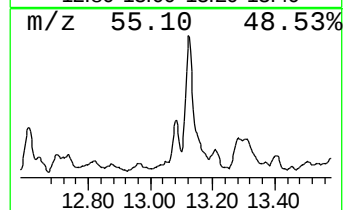
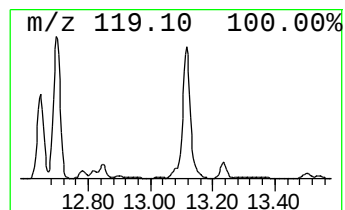
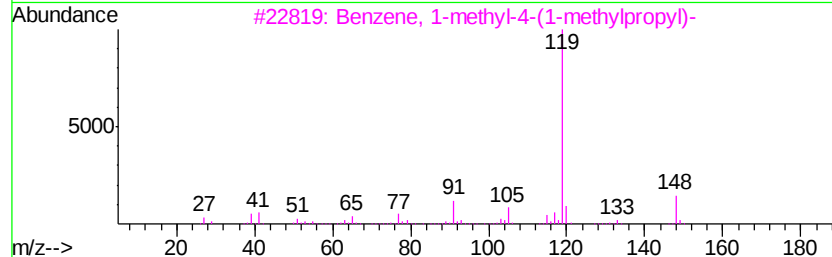
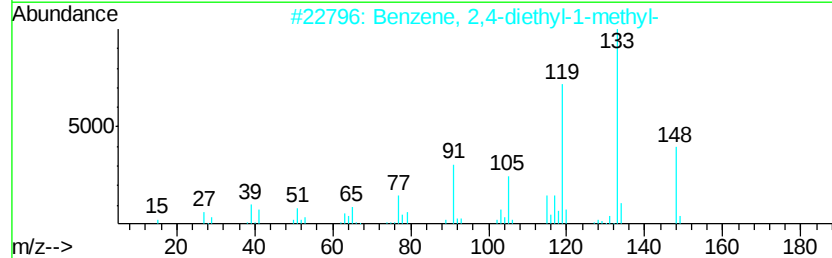
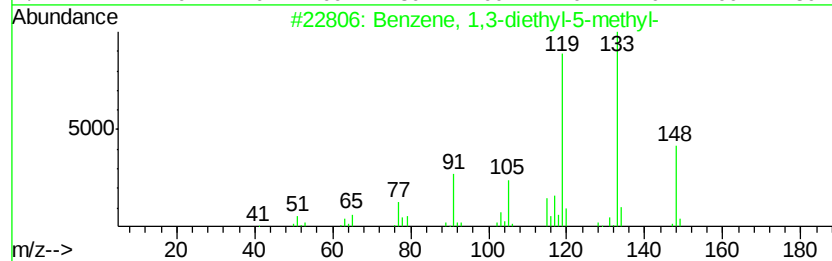
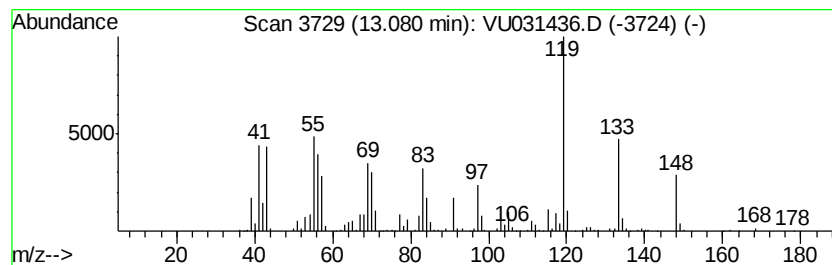
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Quant Title : VOC Analysis

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

Peak Number 25 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	7.90 ug/L	333656	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	50
2		Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	50
3		Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	46
4		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	42
5		o-Cymene	134	C10H14	000527-84-4	42



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042319\
Data File : VU031436.D
Acq On : 23 Apr 2019 14:26
Operator : JC/SP
Sample : K2481-06 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAHW1

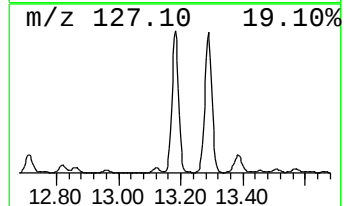
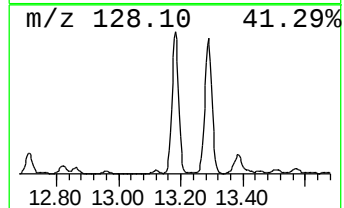
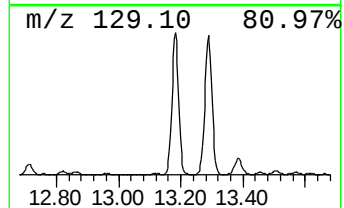
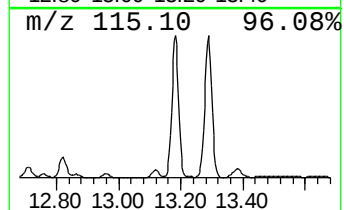
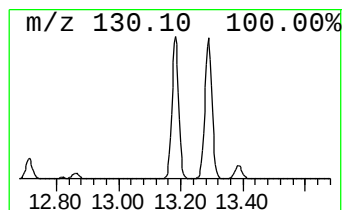
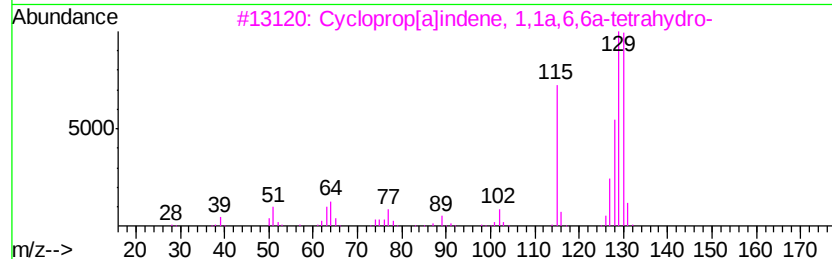
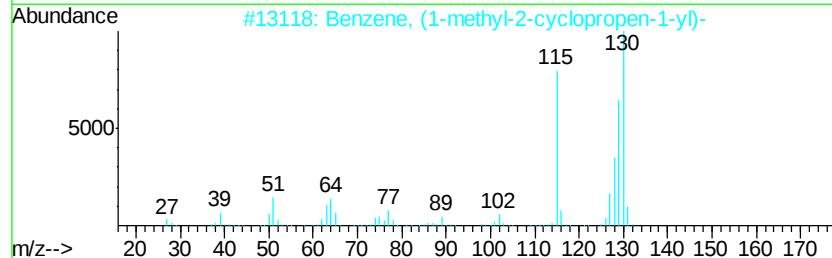
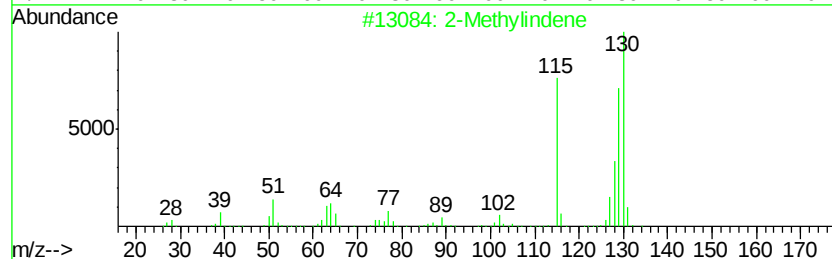
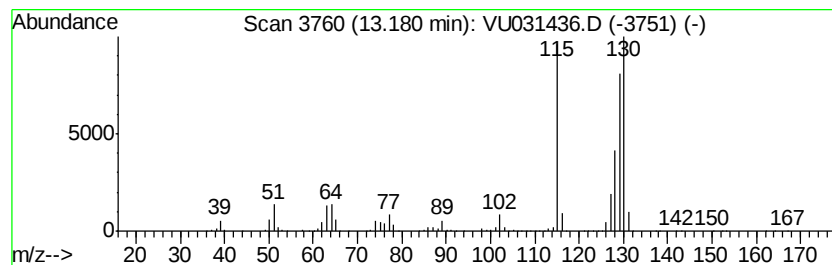
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Quant Title : VOC Analysis

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

Peak Number 27 2-Methylindene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	466.54 ug/L	19711300	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Methylindene	130	C10H10	002177-47-1	97
2		Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	97
3		Cycloprop[alindene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	95
4		1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94
5		1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042319\
Data File : VU031436.D
Acq On : 23 Apr 2019 14:26
Operator : JC/SP
Sample : K2481-06 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAHW1

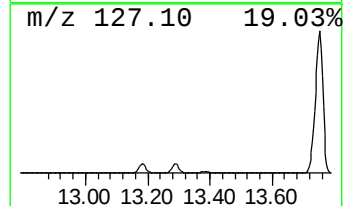
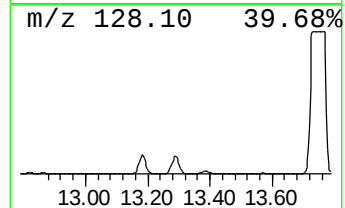
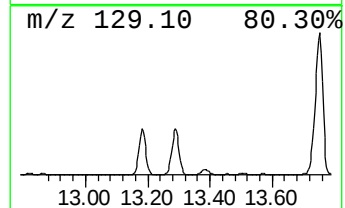
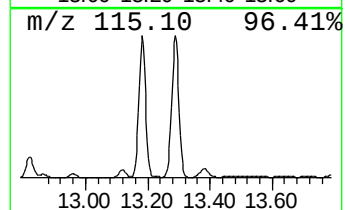
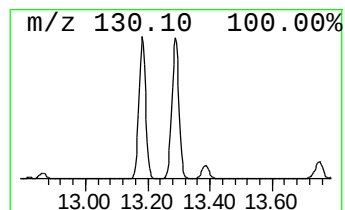
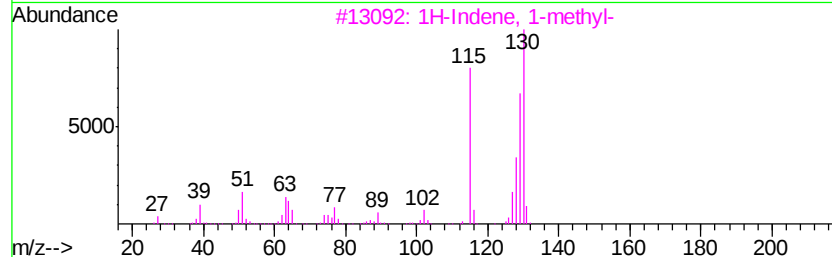
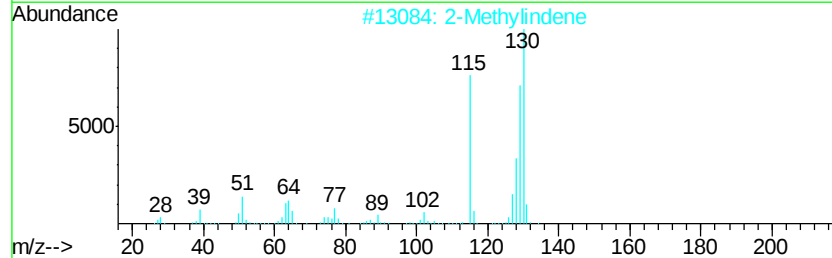
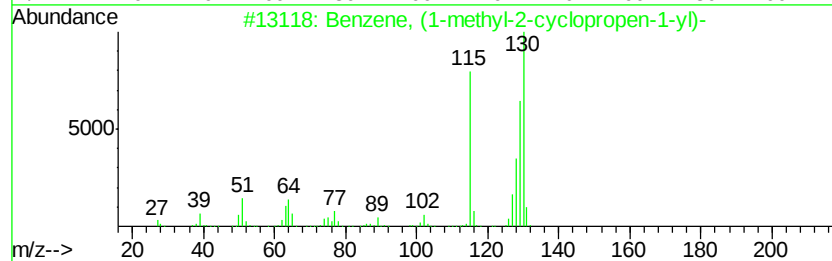
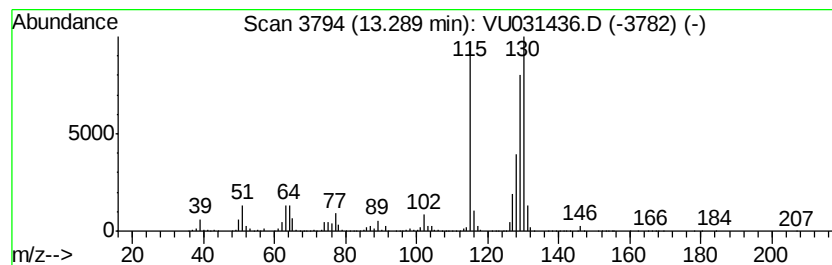
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Quant Title : VOC Analysis

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

Peak Number 28 Benzene, (1-methyl-2-cyclop... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	526.46 ug/L	22243000	1,4-Dichlorobenzene-d4	11.48

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	97
2		2-Methylindene	130	C10H10	002177-47-1	97
3		1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
4		Benzene, 1-butynyl-	130	C10H10	000622-76-4	95
5		Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	95



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042319\
Data File : VU031436.D
Acq On : 23 Apr 2019 14:26
Operator : JC/SP
Sample : K2481-06 5X
Misc : 5.09µ/5mL/100µL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAHW1

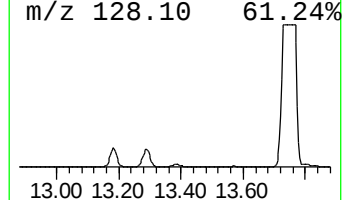
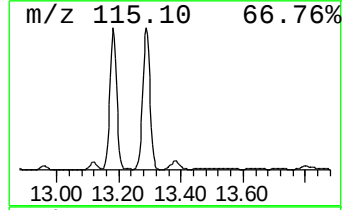
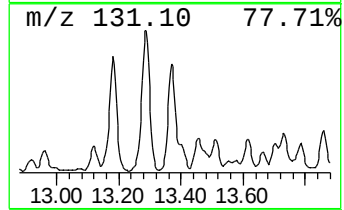
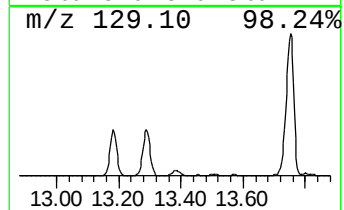
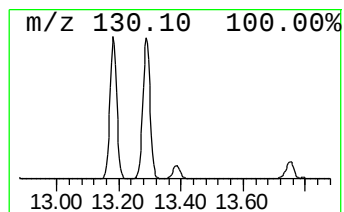
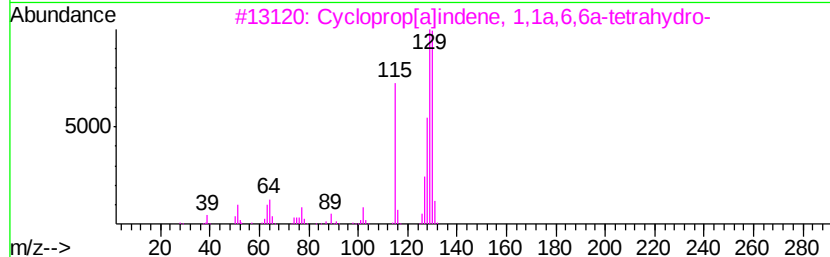
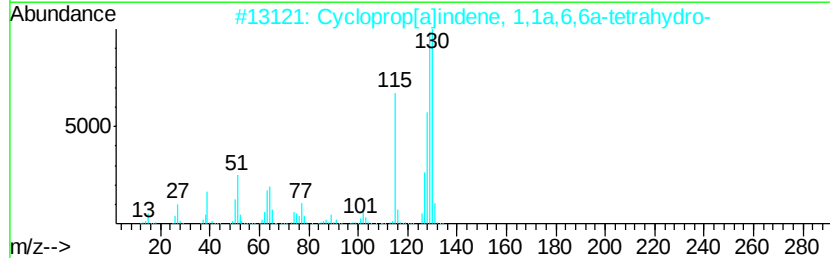
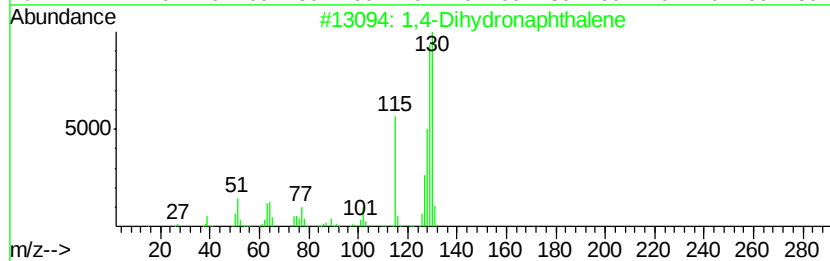
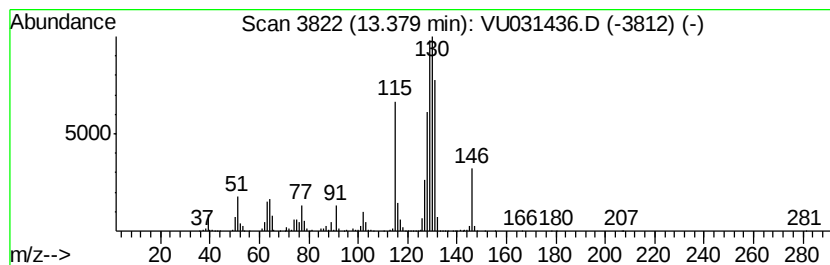
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Quant Title : VOC Analysis

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

Peak Number 29 1,4-Dihydronaphthalene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	78.11 ug/L	3300350	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95
2		Cycloprop[alindene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	95
3		Cycloprop[alindene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	90
4		Tetracyclo[5.3.0.0<2,6>.0<3,10>]...	130	C10H10	034324-40-8	78
5		Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042319\
Data File : VU031436.D
Acq On : 23 Apr 2019 14:26
Operator : JC/SP
Sample : K2481-06 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampled :
GAHW1

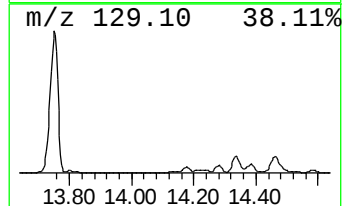
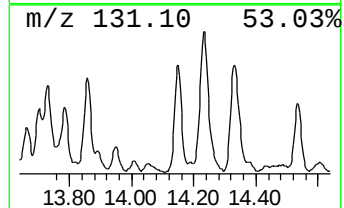
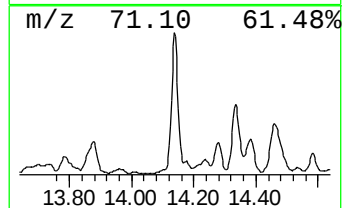
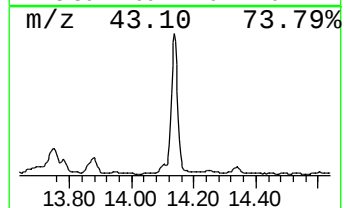
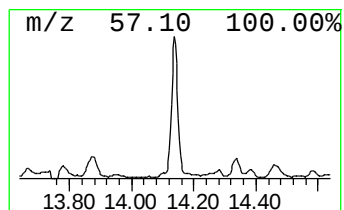
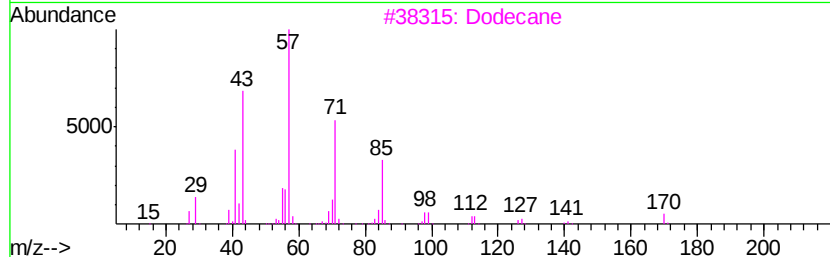
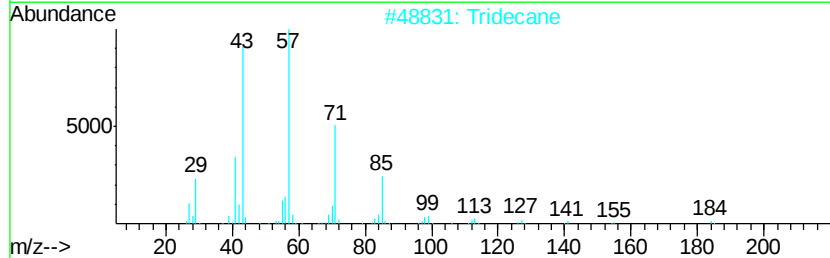
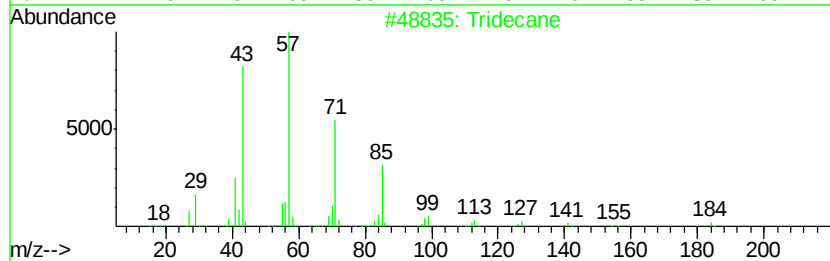
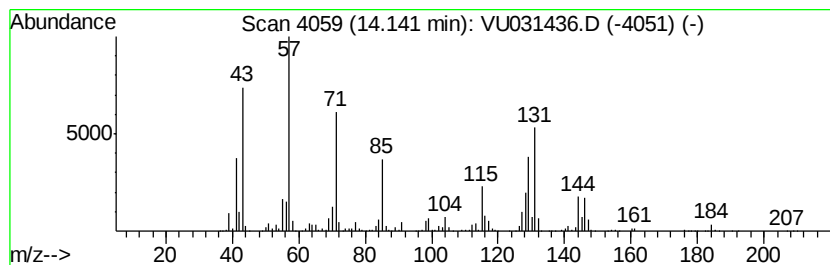
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Quant Title : VOC Analysis

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

Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	42.99 ug/L	1816520	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane	184	C13H28	000629-50-5	93
2		Tridecane	184	C13H28	000629-50-5	42
3		Dodecane	170	C12H26	000112-40-3	30
4		Hexadecane	226	C16H34	000544-76-3	30
5		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042319\
Data File : VU031436.D
Acq On : 23 Apr 2019 14:26
Operator : JC/SP
Sample : K2481-06 5X
Misc : 5.09µ/5mL/100µL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAHW1

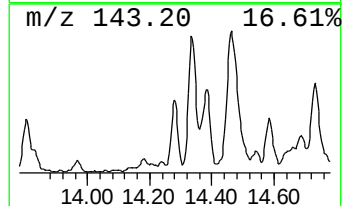
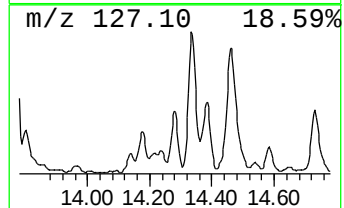
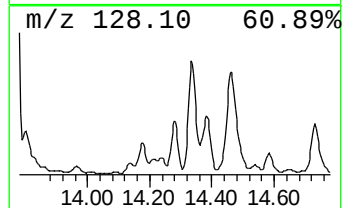
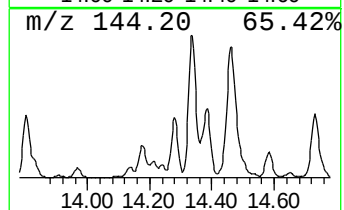
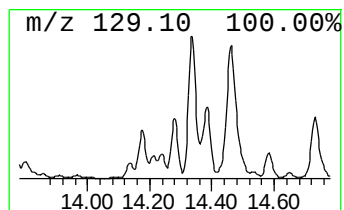
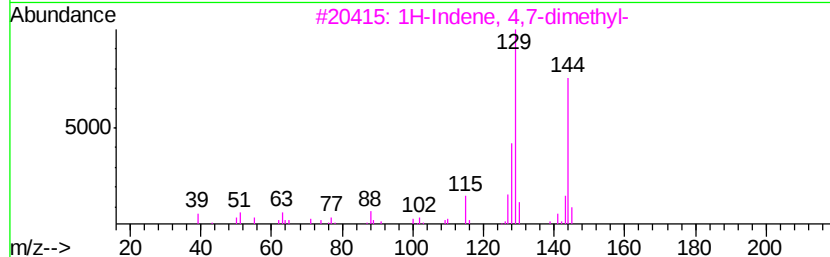
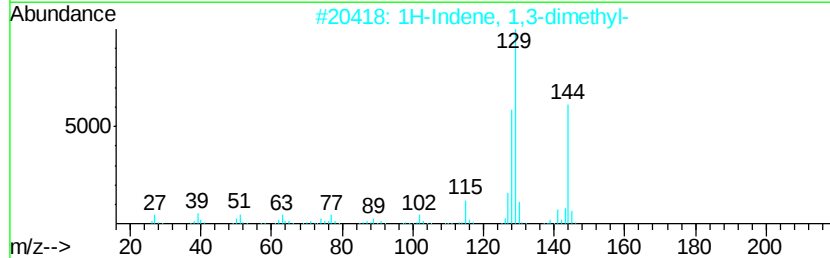
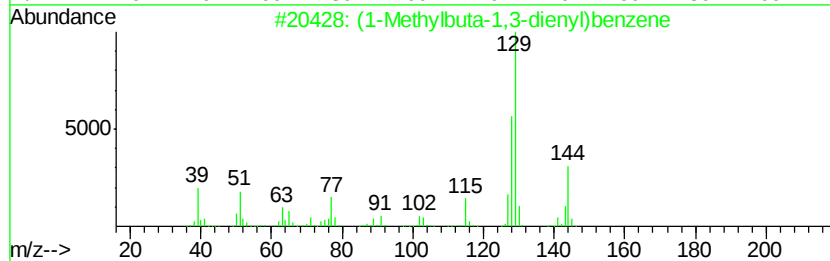
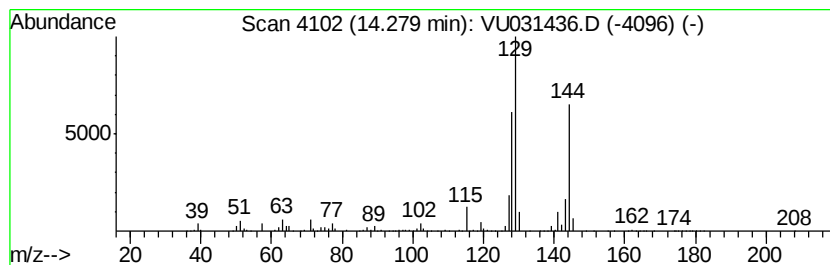
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Quant Title : VOC Analysis

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

Peak Number 32 (1-Methylbuta-1,3-dienyl)be... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	42.15 ug/L	1780990	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(1-Methylbuta-1,3-dienyl)benzene	144	C11H12	054758-36-0	91
2		1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	90
3		1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	83
4		1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	81
5		Naphthalene, 1,2-dihydro-4-methyl-	144	C11H12	004373-13-1	81



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042319\
Data File : VU031436.D
Acq On : 23 Apr 2019 14:26
Operator : JC/SP
Sample : K2481-06 5X
Misc : 5.09µ/5mL/100µL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampled :
GAHW1

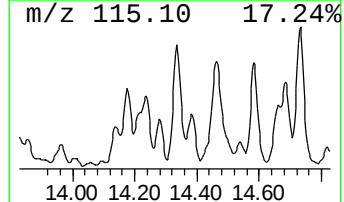
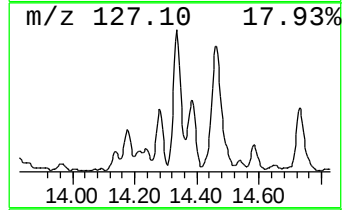
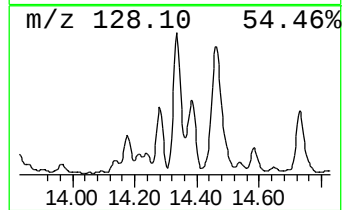
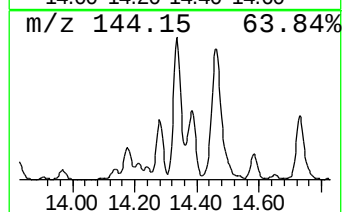
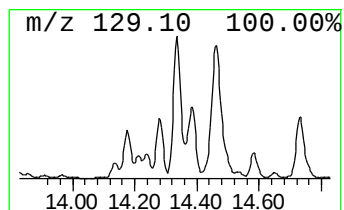
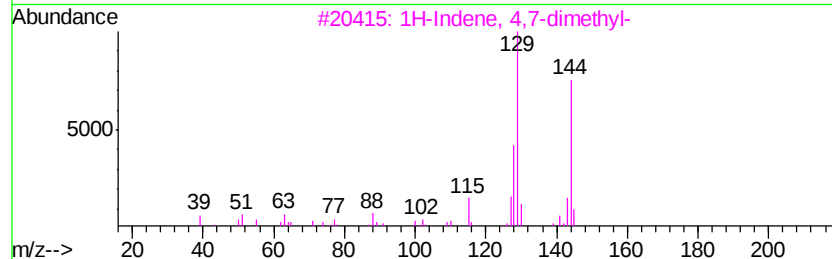
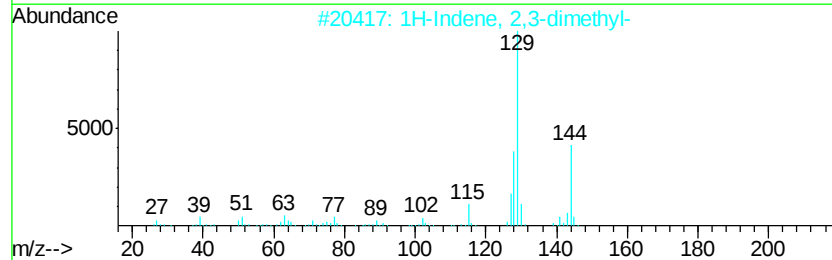
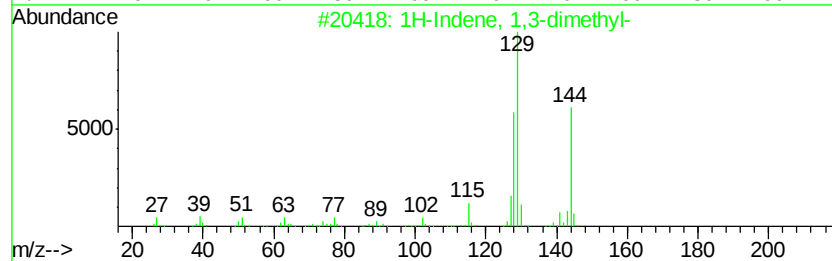
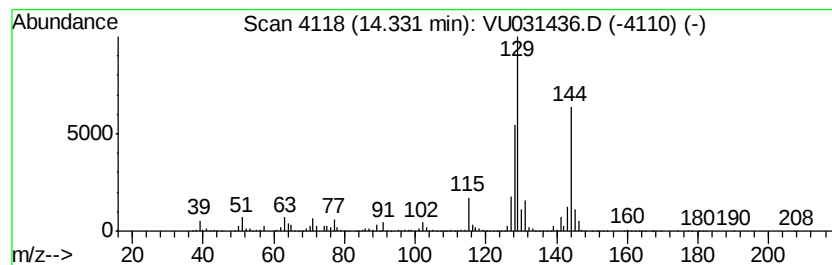
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Quant Title : VOC Analysis

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

Peak Number 33 1H-Indene, 1,3-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	136.51 ug/L	5767430	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	95
2		1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	94
3		1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	93
4		1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	93
5		1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042319\
Data File : VU031436.D
Acq On : 23 Apr 2019 14:26
Operator : JC/SP
Sample : K2481-06 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAHW1

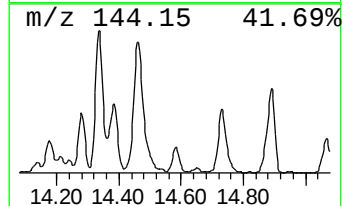
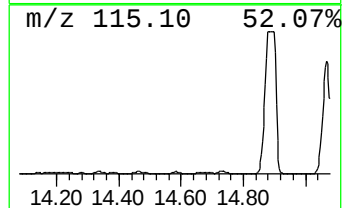
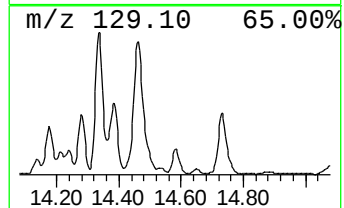
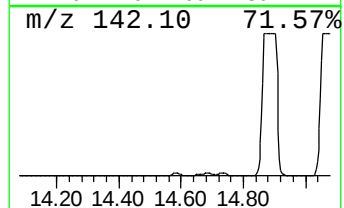
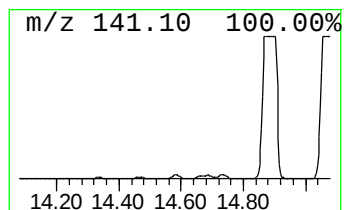
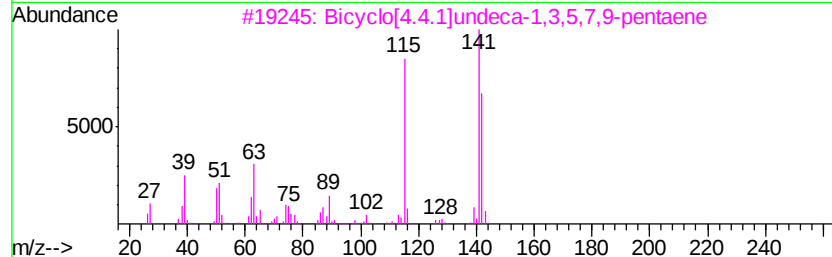
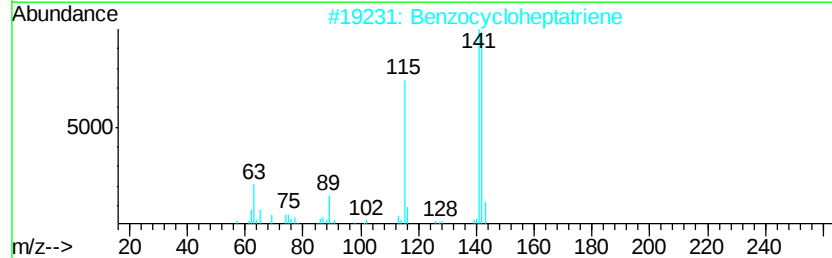
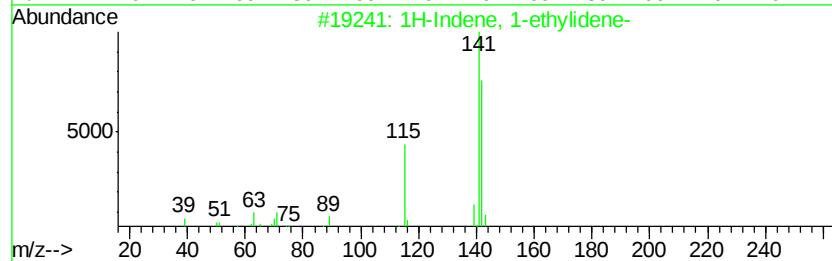
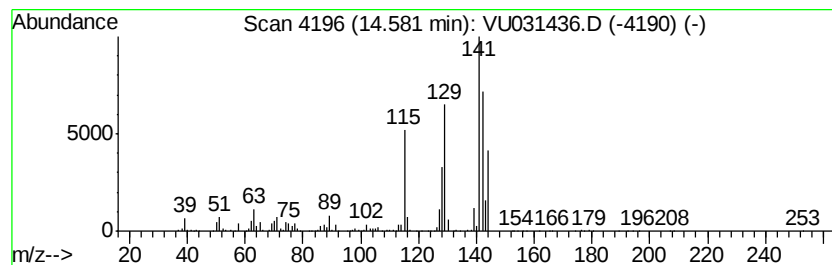
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Quant Title : VOC Analysis

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

Peak Number 35 1H-Indene, 1-ethylidene- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.58	44.22 ug/L	1868280	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	78
2		Benzocycloheptatriene	142	C11H10	000264-09-5	78
3		Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	78
4		Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	78
5		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	60



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042319\
Data File : VU031436.D
Acq On : 23 Apr 2019 14:26
Operator : JC/SP
Sample : K2481-06 5X
Misc : 5.09µ/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAHW1

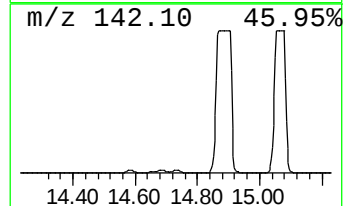
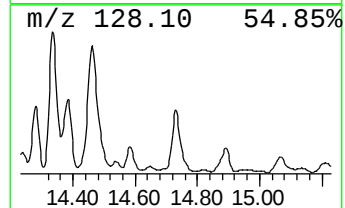
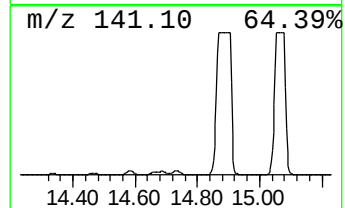
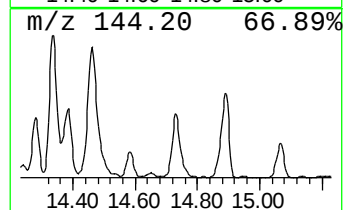
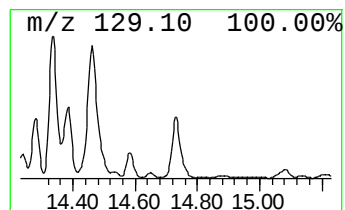
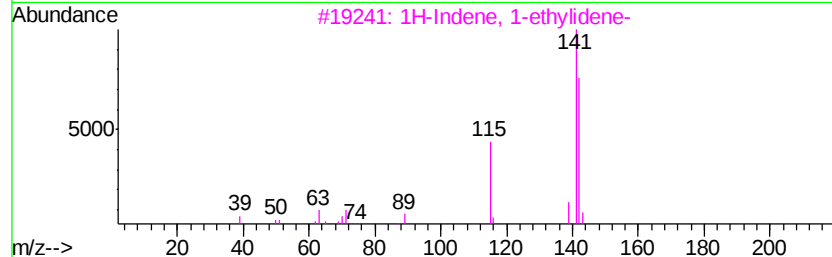
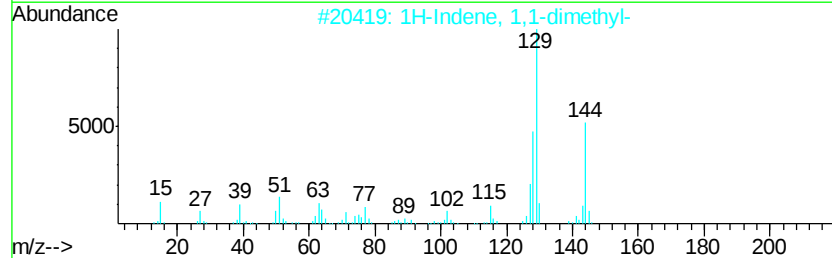
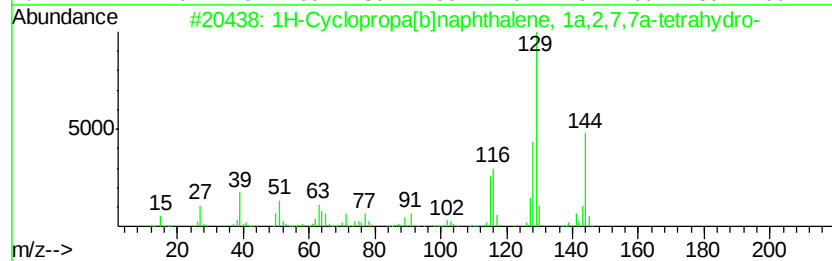
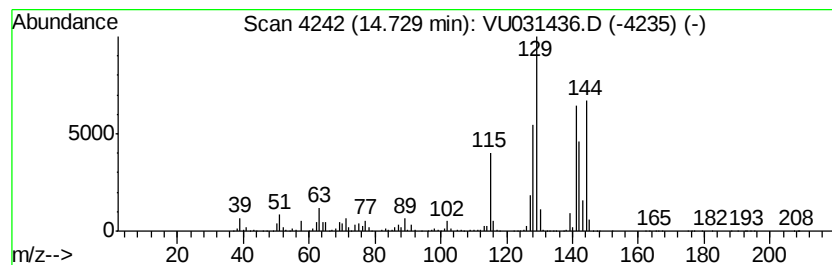
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Quant Title : VOC Analysis

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

Peak Number 36 1H-Cyclopropa[b]naphthalene... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	90.37 ug/L	3817940	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Cyclopropa[b]naphthalene, 1a,...	144	C11H12	006571-72-8	83
2		1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	78
3		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	70
4		1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	60
5		Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	56



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042319\
Data File : VU031436.D
Acq On : 23 Apr 2019 14:26
Operator : JC/SP
Sample : K2481-06 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAHW1

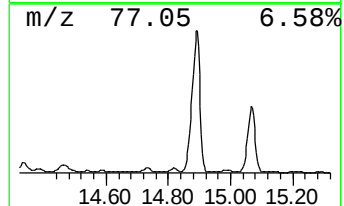
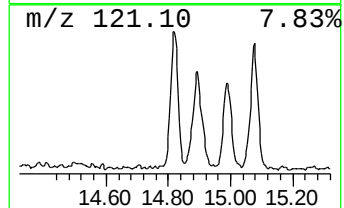
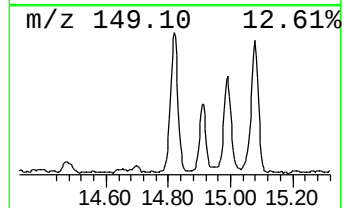
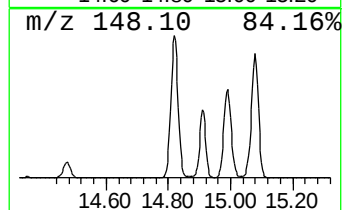
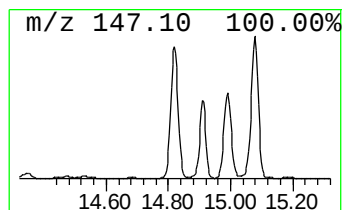
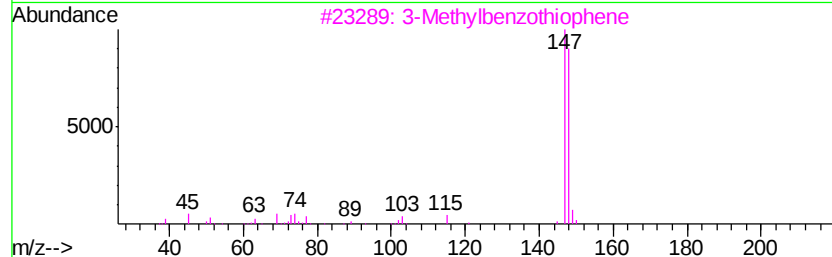
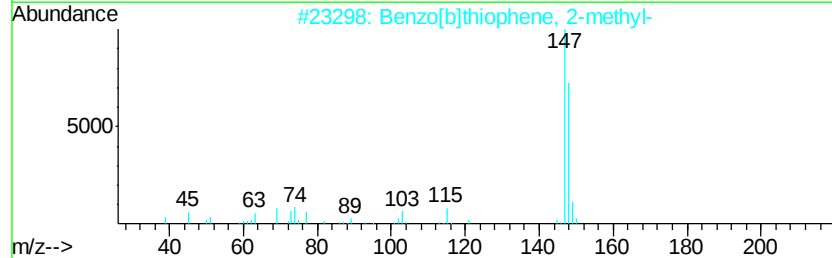
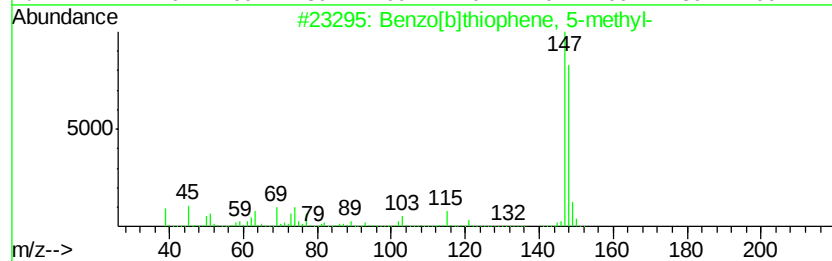
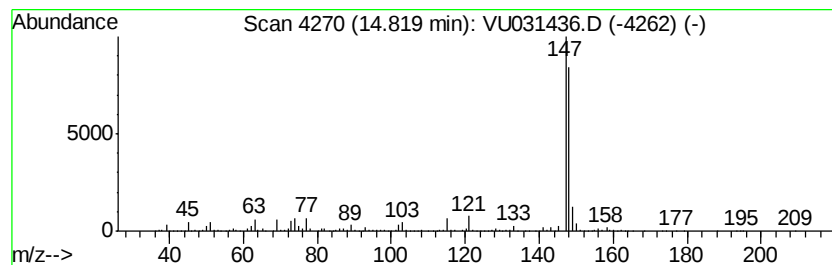
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Quant Title : VOC Analysis

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

Peak Number 37 Benzo[b]thiophene, 5-methyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	34.54 ug/L	1459140	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	91
2		Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	91
3		3-Methylbenzothiophene	148	C9H8S	001455-18-1	91
4		Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	91
5		Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042319\
Data File : VU031436.D
Acq On : 23 Apr 2019 14:26
Operator : JC/SP
Sample : K2481-06 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAHW1

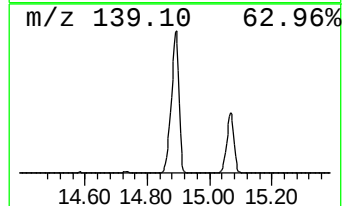
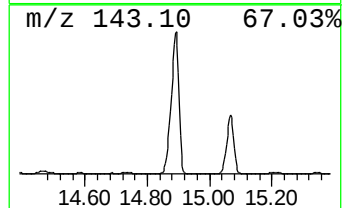
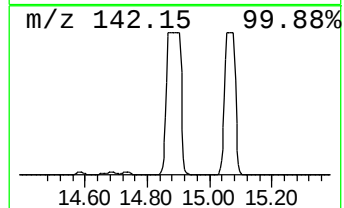
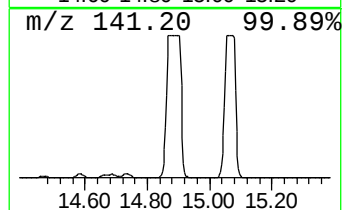
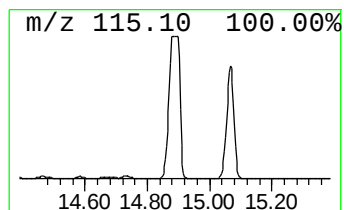
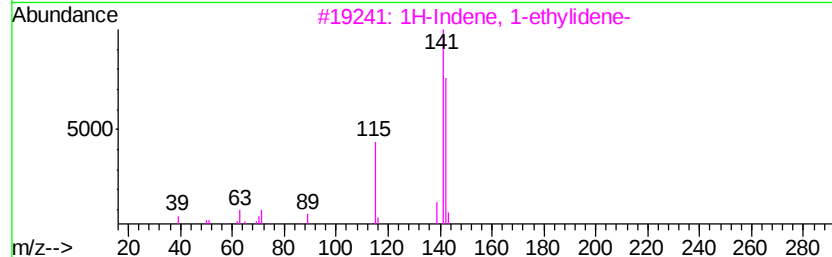
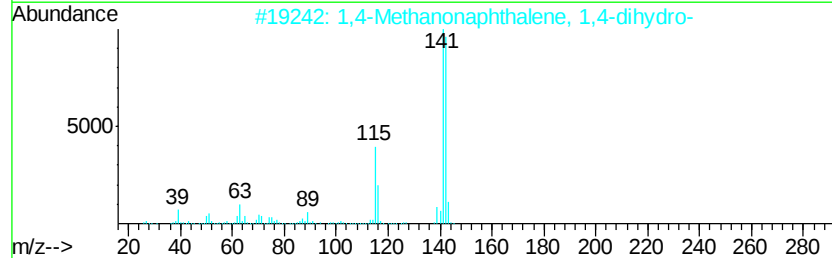
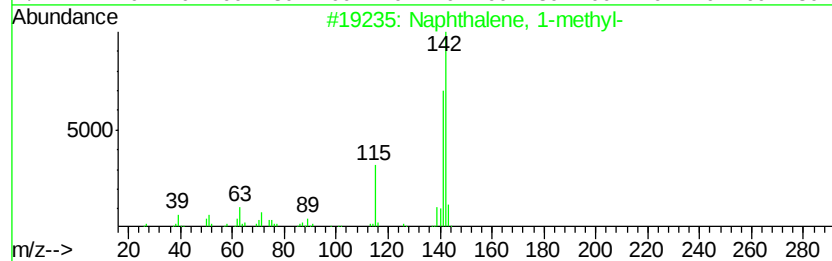
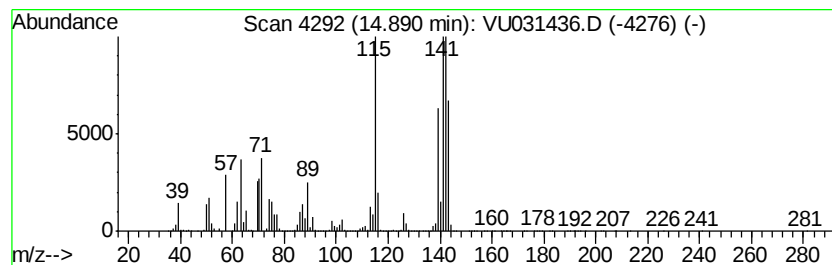
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

Peak Number 38 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.89	4835.19 ug/L	204286000	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
2		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	86
3		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	76
4		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	70
5		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042319\
Data File : VU031436.D
Acq On : 23 Apr 2019 14:26
Operator : JC/SP
Sample : K2481-06 5X
Misc : 5.09µ/5mL/100µL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAHW1

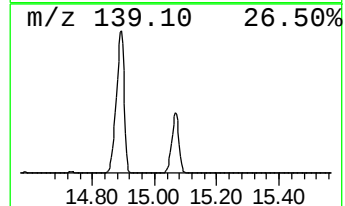
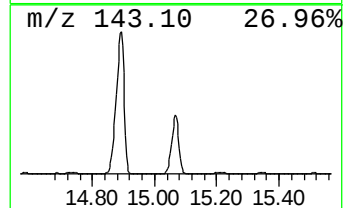
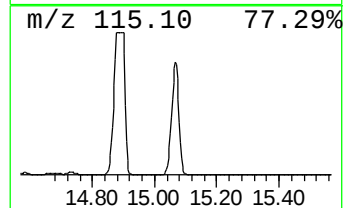
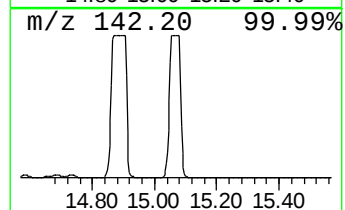
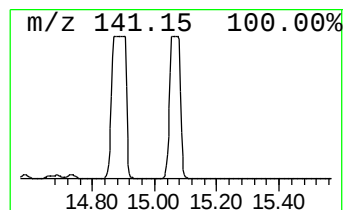
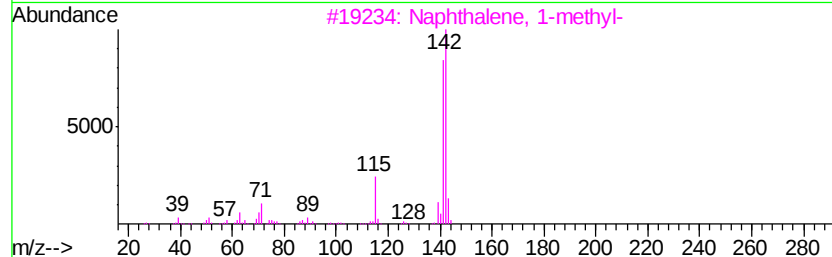
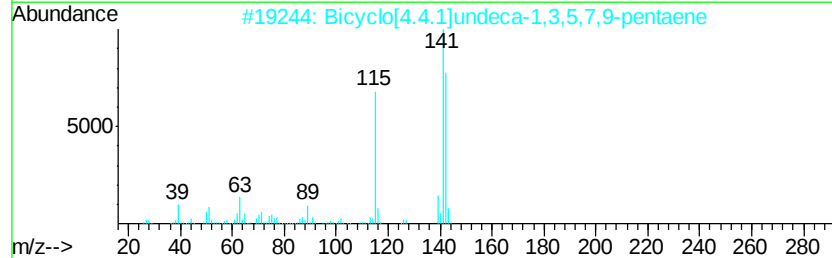
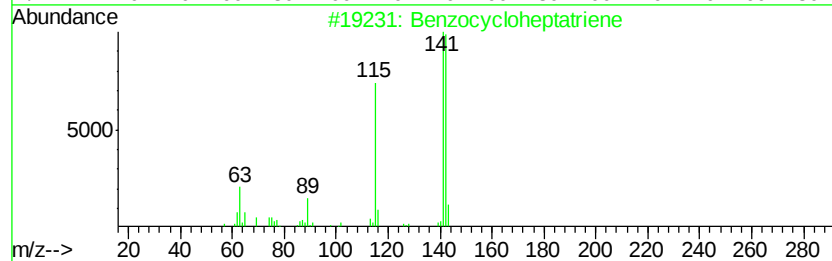
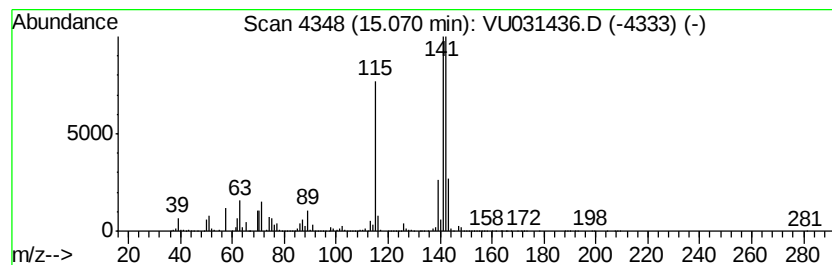
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

Peak Number 39 Benzocycloheptatriene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	2462.88 ug/L	104056000	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzocycloheptatriene	142	C11H10	000264-09-5	95
2		Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	94
3		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
4		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
5		Benzocycloheptatriene	142	C11H10	000264-09-5	87



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
 Data File : VU031436.D
 Acq On : 23 Apr 2019 14:26
 Operator : JC/SP
 Sample : K2481-06 5X
 Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GAHW1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
 Quant Title : VOC Analysis

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Benzene, propyl-	10.58	12.0	ug/L	507828	3	11.48	2112500	50.0
Benzene, 1-ethyl-...	10.68	183.7	ug/L	7762060	3	11.48	2112500	50.0
Benzene, 1-ethyl-...	10.97	26.8	ug/L	1133580	3	11.48	2112500	50.0
Benzene, 1,2,3-tr...	11.14	237.0	ug/L	10012500	3	11.48	2112500	50.0
Benzene, 1-etheny...	11.21	211.0	ug/L	8912990	3	11.48	2112500	50.0
o-Cymene	11.42	5.3	ug/L	224473	3	11.48	2112500	50.0
Benzene, 1-propenyl-	11.62	33.3	ug/L	1404910	3	11.48	2112500	50.0
Benzene, 1,4-diet...	11.77	41.9	ug/L	1769320	3	11.48	2112500	50.0
Indene	11.98	134.2	ug/L	5668300	3	11.48	2112500	50.0
(DEL) Alkane: Str...	12.02	19.1	ug/L	808924	3	11.48	2112500	50.0
Benzene, 2-ethyl-...	12.14	22.7	ug/L	960900	3	11.48	2112500	50.0
Benzene, 1-methyl...	12.22	38.8	ug/L	1637780	3	11.48	2112500	50.0
Benzene, 1-etheny...	12.30	64.3	ug/L	2716230	3	11.48	2112500	50.0
Benzene, (2-methy...	12.42	187.0	ug/L	7900020	3	11.48	2112500	50.0
Benzene, 2-etheny...	12.48	57.8	ug/L	2441390	3	11.48	2112500	50.0
Benzene, 1-ethyl-...	12.55	8.9	ug/L	377982	3	11.48	2112500	50.0
Benzene, 1,2,4,5-...	12.65	42.6	ug/L	1799110	3	11.48	2112500	50.0
Benzene, 1,2,3,4-...	12.70	130.0	ug/L	5493180	3	11.48	2112500	50.0
Benzene, 1-etheny...	12.82	150.7	ug/L	6366510	3	11.48	2112500	50.0
Benzene, 1,3-diet...	13.08	7.9	ug/L	333656	3	11.48	2112500	50.0
2-Methylindene	13.18	466.5	ug/L	19711300	3	11.48	2112500	50.0
Benzene, (1-methy...	13.29	526.5	ug/L	22243000	3	11.48	2112500	50.0
1,4-Dihydronaphth...	13.38	78.1	ug/L	3300350	3	11.48	2112500	50.0
(DEL) Alkane: Str...	14.14	43.0	ug/L	1816520	3	11.48	2112500	50.0
(1-Methylbuta-1,3...	14.28	42.1	ug/L	1780990	3	11.48	2112500	50.0
1H-Indene, 1,3-di...	14.33	136.5	ug/L	5767430	3	11.48	2112500	50.0
1H-Indene, 1-ethy...	14.58	44.2	ug/L	1868280	3	11.48	2112500	50.0
1H-Cyclopropa[b]n...	14.73	90.4	ug/L	3817940	3	11.48	2112500	50.0
Benzo[b]thiophene...	14.82	34.5	ug/L	1459140	3	11.48	2112500	50.0
Naphthalene, 1-me...	14.89	4835.2	ug/L	204286000	3	11.48	2112500	50.0
Benzocycloheptatr...	15.07	2462.9	ug/L	104056000	3	11.48	2112500	50.0