

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV050219\
 Data File : VV010651.D
 Acq On : 03 May 2019 07:33
 Operator : SY/MD
 Sample : K2604-22
 Misc : 5.03G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAJ93

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_V\METHOD\SOM2VLM050219S.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	1.203	30	35	52	rVB3	6729	11442	0.29%	0.039%
2	1.312	59	69	84	rVB	65843	67011	1.68%	0.226%
3	1.473	117	119	123	rBV	476	438	0.01%	0.001%
4	1.576	143	151	161	rVB	52413	61352	1.54%	0.207%
5	1.762	205	209	214	rVB3	1270	1158	0.03%	0.004%
6	1.785	214	216	220	rVB2	459	262	0.01%	0.001%
7	2.042	290	296	298	rBV3	1224	1144	0.03%	0.004%
8	2.119	309	320	331	rBV	115385	162894	4.09%	0.549%
9	2.180	332	339	354	rVB	6632	10571	0.27%	0.036%
10	2.309	369	379	391	rBV3	15862	24797	0.62%	0.084%
11	2.425	411	415	421	rVB2	448	452	0.01%	0.002%
12	2.528	438	447	458	rBV3	5154	8826	0.22%	0.030%
13	2.647	476	484	487	rBV2	530	661	0.02%	0.002%
14	2.965	577	583	587	rBV2	296	423	0.01%	0.001%
15	3.068	605	615	626	rVV3	2633	4373	0.11%	0.015%
16	3.422	722	725	727	rBV	437	324	0.01%	0.001%
17	3.476	736	742	746	rBV	307	344	0.01%	0.001%
18	3.807	838	845	848	rBV2	330	308	0.01%	0.001%
19	3.926	872	882	904	rBV	11797	31598	0.79%	0.106%
20	4.303	993	999	1006	rBV2	241	424	0.01%	0.001%
21	4.393	1009	1027	1050	rBV	104288	261016	6.56%	0.880%
22	4.679	1111	1116	1119	rBV2	415	372	0.01%	0.001%
23	4.946	1196	1199	1205	rVB2	306	352	0.01%	0.001%
24	5.090	1226	1244	1285	rVV2	238631	609588	15.32%	2.054%
25	5.248	1291	1293	1296	rBV	405	293	0.01%	0.001%
26	5.360	1324	1328	1333	rVB3	523	380	0.01%	0.001%
27	5.521	1372	1378	1380	rBV3	277	276	0.01%	0.001%
28	5.569	1389	1393	1397	rBV2	277	289	0.01%	0.001%
29	5.659	1402	1421	1439	rBV	236196	473614	11.90%	1.596%
30	5.817	1467	1470	1475	rVB2	297	266	0.01%	0.001%
31	5.939	1502	1508	1518	rVB5	2620	4703	0.12%	0.016%
32	6.052	1537	1543	1548	rBV3	360	371	0.01%	0.001%
33	6.113	1548	1562	1586	rBV	136568	277188	6.96%	0.934%
34	6.238	1597	1601	1604	rBV3	612	498	0.01%	0.002%

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35	6.267	1609	1610	1617	rVB2	365	286	0.01%	0.001%
36	6.656	1725	1731	1734	rVB3	352	351	0.01%	0.001%
37	6.691	1737	1742	1748	rVB4	526	734	0.02%	0.002%
38	6.782	1765	1770	1773	rVB2	341	318	0.01%	0.001%
39	6.814	1773	1780	1787	rBV4	1198	1386	0.03%	0.005%
40	7.026	1832	1846	1865	rBV	60655	107474	2.70%	0.362%
41	7.299	1926	1931	1933	rBV	357	327	0.01%	0.001%
42	7.357	1936	1949	1962	rVV	281326	490279	12.32%	1.652%
43	7.431	1964	1972	2000	rVB	54314	103635	2.60%	0.349%
44	7.601	2020	2025	2026	rBV	447	361	0.01%	0.001%
45	7.662	2033	2044	2056	rBV	33391	54870	1.38%	0.185%
46	8.016	2148	2154	2162	rVB4	3021	4458	0.11%	0.015%
47	8.132	2180	2190	2210	rBV	40072	72738	1.83%	0.245%
48	8.547	2315	2319	2327	rVB3	665	904	0.02%	0.003%
49	8.592	2327	2333	2334	rBV	290	285	0.01%	0.001%
50	8.894	2414	2427	2444	rBV	308997	514829	12.94%	1.735%
51	9.058	2467	2478	2491	rBV2	9902	17775	0.45%	0.060%
52	9.180	2503	2516	2530	rBV	65890	109911	2.76%	0.370%
53	9.450	2593	2600	2601	rBV3	568	527	0.01%	0.002%
54	9.515	2613	2620	2623	rBV4	883	1042	0.03%	0.004%
55	9.598	2631	2646	2674	rBV5	59731	137986	3.47%	0.465%
56	9.704	2674	2679	2680	rBV2	434	340	0.01%	0.001%
57	9.752	2686	2694	2701	rBV5	2967	4763	0.12%	0.016%
58	9.849	2713	2724	2731	rBV6	5235	10879	0.27%	0.037%
59	10.109	2795	2805	2815	rBV9	8300	17817	0.45%	0.060%
60	10.260	2841	2852	2867	rBV	88864	153772	3.86%	0.518%
61	10.492	2914	2924	2938	rBV	83291	184454	4.63%	0.622%
62	10.582	2945	2952	2961	rVB	78961	111954	2.81%	0.377%
63	10.781	3006	3014	3033	rBV2	31974	67062	1.68%	0.226%
64	10.958	3060	3069	3081	rVB	235814	357039	8.97%	1.203%
65	11.029	3083	3091	3099	rVV	107503	154249	3.88%	0.520%
66	11.077	3101	3106	3117	rVB	36767	54009	1.36%	0.182%
67	11.238	3152	3156	3163	rVB2	37035	45800	1.15%	0.154%
68	11.293	3164	3173	3183	rBV	272146	428669	10.77%	1.445%
69	11.379	3193	3200	3210	rVB	89420	125752	3.16%	0.424%
70	11.592	3254	3266	3269	rBV3	69350	134627	3.38%	0.454%
71	11.675	3282	3292	3307	rVB5	353255	786047	19.75%	2.649%

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72	11.791	3319	3328	3338	rBV	274913	425037	10.68%	1.432%
73	11.958	3372	3380	3383	rBV	88288	127534	3.20%	0.430%
74	12.061	3407	3412	3420	rVB	192944	247249	6.21%	0.833%
75	12.241	3462	3468	3476	rVB2	195190	273644	6.88%	0.922%
76	12.514	3544	3553	3566	rBV	393055	659157	16.56%	2.221%
77	12.633	3584	3590	3595	rBV4	172475	262698	6.60%	0.885%
78	12.772	3626	3633	3641	rBV	214781	289749	7.28%	0.976%
79	12.926	3676	3681	3693	rVB3	336244	484320	12.17%	1.632%
80	13.048	3712	3719	3725	rBV2	140547	207207	5.21%	0.698%
81	13.100	3727	3735	3744	rVV3	293273	539253	13.55%	1.817%
82	13.315	3795	3802	3808	rBV2	253229	372346	9.36%	1.255%
83	13.550	3866	3875	3885	rVB	2676669	3979999	100.00%	13.412%
84	14.145	4051	4060	4070	rBV5	272655	540254	13.57%	1.821%
85	14.682	4217	4227	4237	rBV	1830439	2748025	69.05%	9.260%
86	14.865	4275	4284	4297	rVB	1918989	2971794	74.67%	10.014%
87	15.601	4505	4513	4521	rBV	561075	875122	21.99%	2.949%
88	15.717	4537	4549	4575	rVB	2061352	3368599	84.64%	11.351%
89	15.862	4584	4594	4601	rBV	1329899	2071157	52.04%	6.979%
90	15.897	4602	4605	4622	rVB	628243	820105	20.61%	2.764%
91	16.087	4648	4664	4673	rBV	300884	697989	17.54%	2.352%
92	16.231	4701	4709	4719	rBV	121703	179188	4.50%	0.604%
93	16.334	4731	4741	4754	rVB3	208253	418163	10.51%	1.409%
94	16.492	4785	4790	4794	rBV	24137	30803	0.77%	0.104%
95	16.569	4807	4814	4827	rVB	218500	349451	8.78%	1.178%
96	16.672	4840	4846	4854	rVB2	54208	77472	1.95%	0.261%
97	16.820	4885	4892	4907	rVB2	94189	171901	4.32%	0.579%
98	16.968	4931	4938	4947	rVB2	54050	81466	2.05%	0.275%
99	17.025	4948	4956	4980	rVB3	45551	99708	2.51%	0.336%
100	17.443	5082	5086	5105	rVB3	17996	30545	0.77%	0.103%

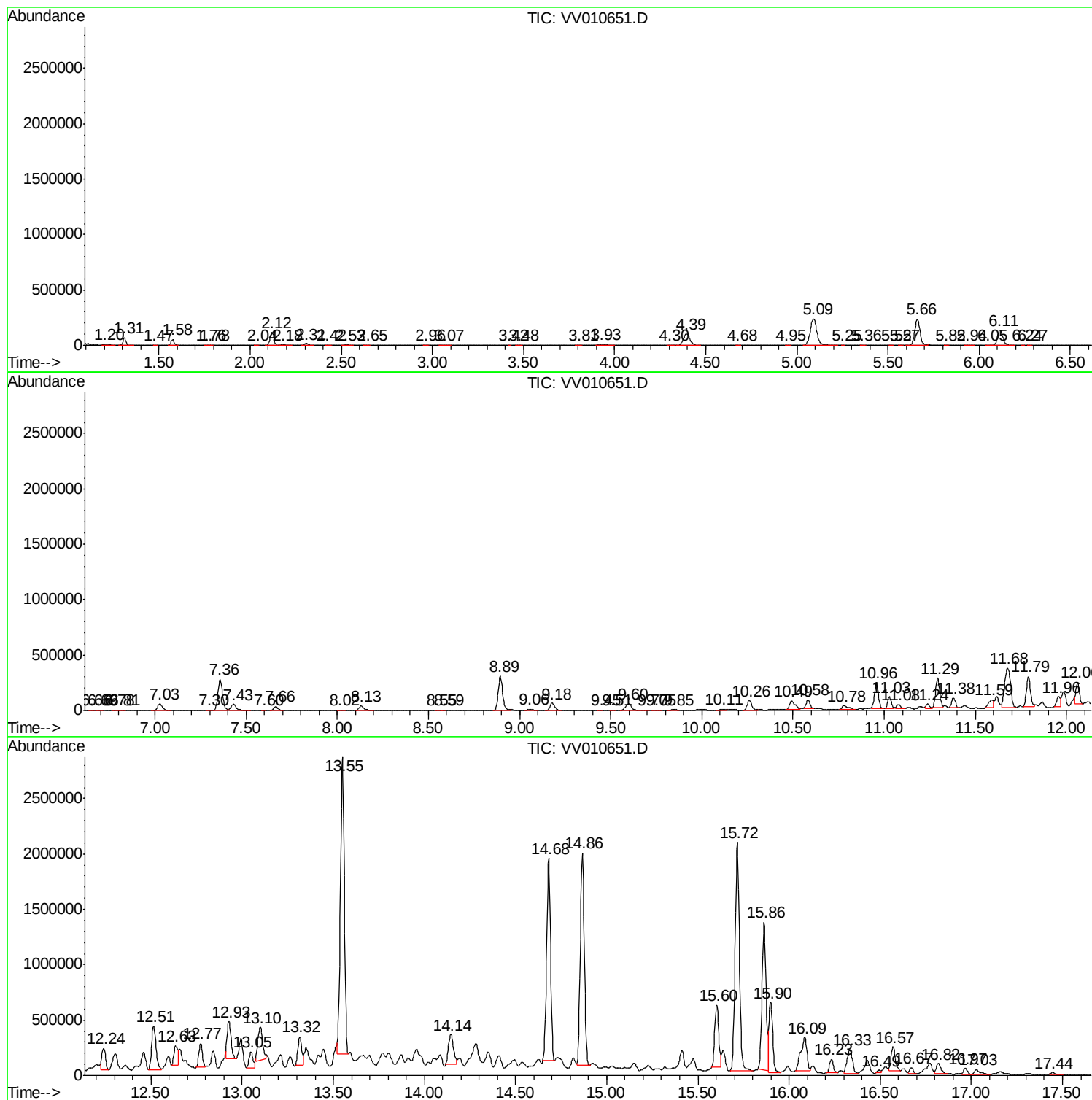
Sum of corrected areas: 29675652

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Instrument :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

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



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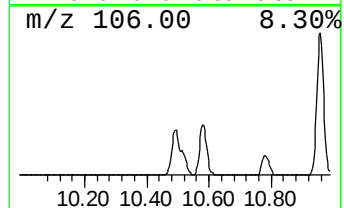
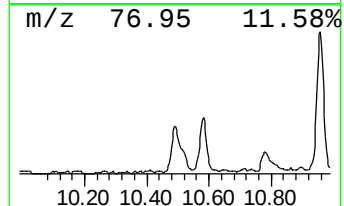
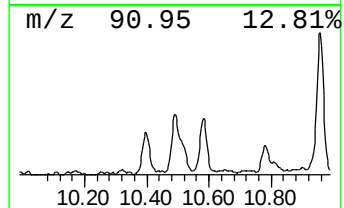
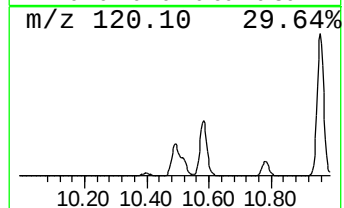
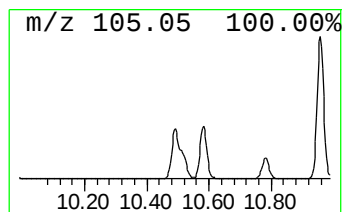
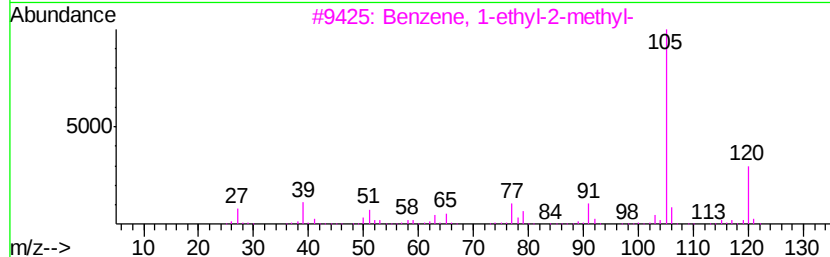
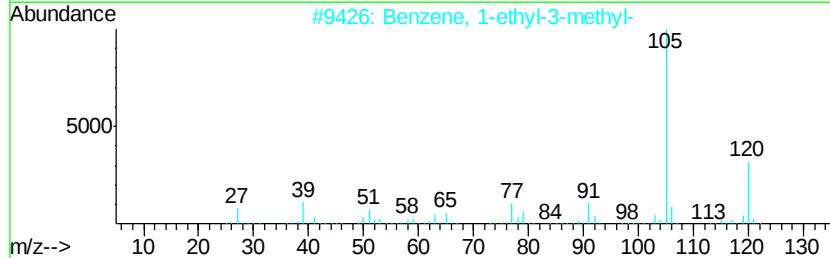
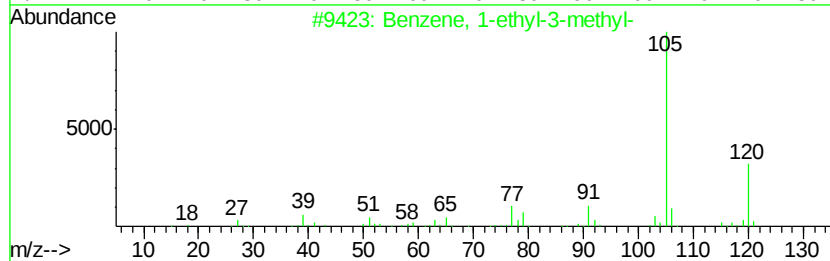
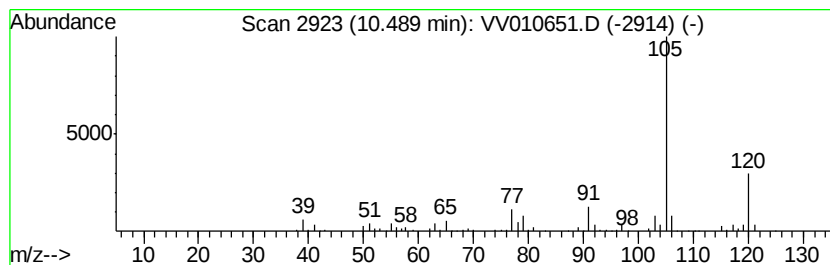
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	10.76 ug/L	184454	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	97
2		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
4		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
5		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93



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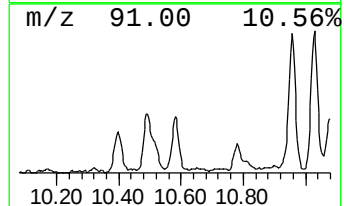
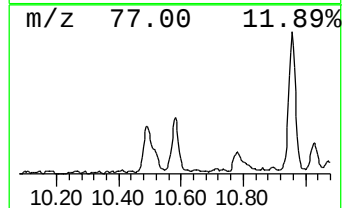
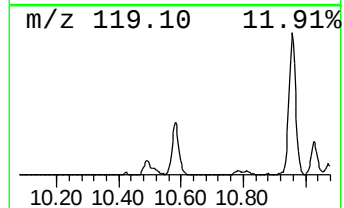
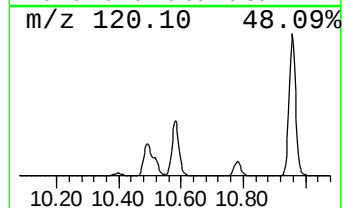
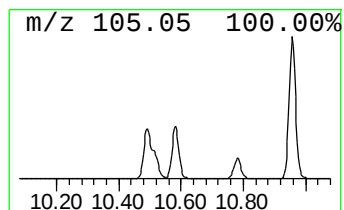
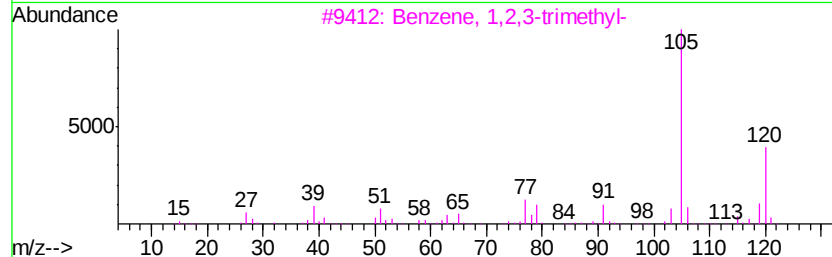
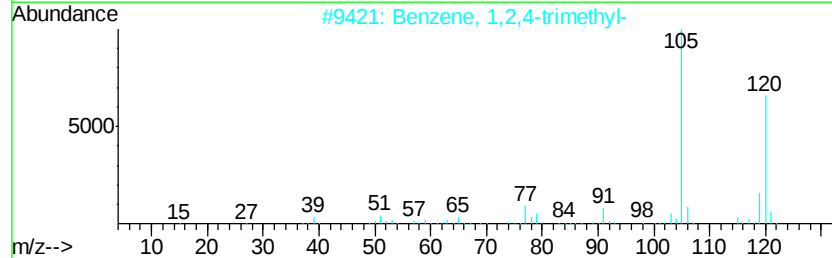
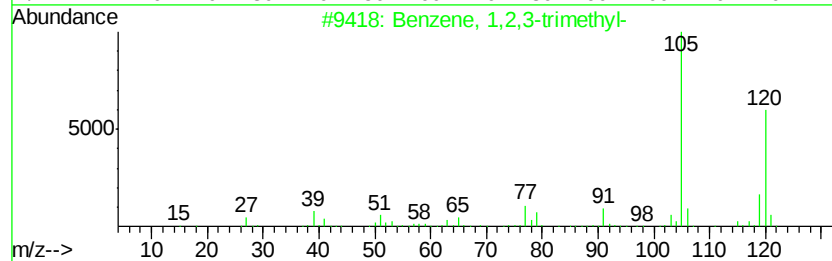
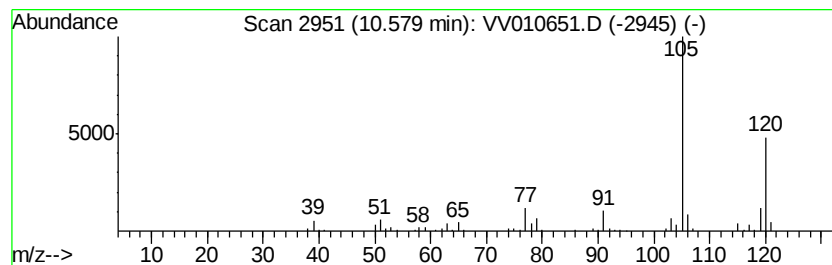
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Quant Title : VOC Analysis

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

Peak Number 3 Benzene, 1,2,3-trimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	6.53 ug/L	111954	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
4		Mesitylene	120	C9H12	000108-67-8	93
5		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93



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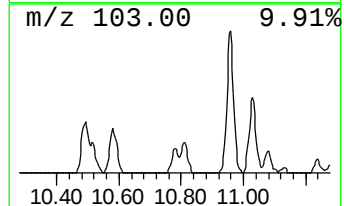
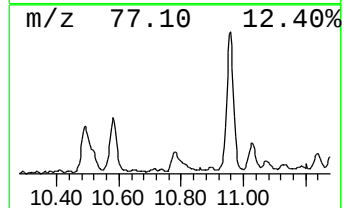
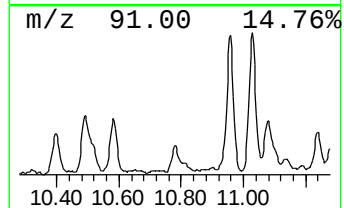
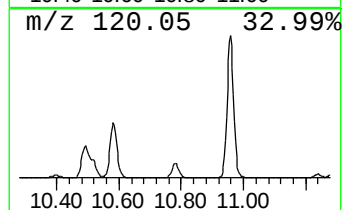
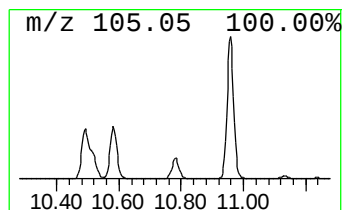
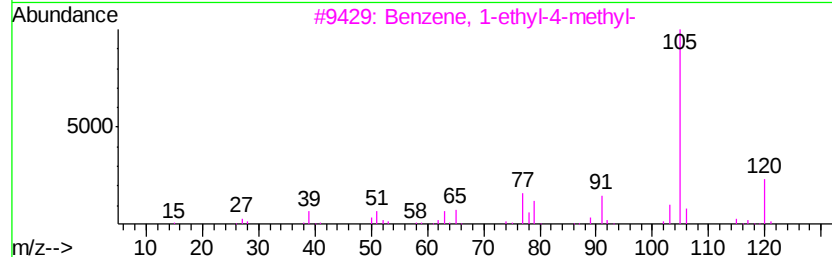
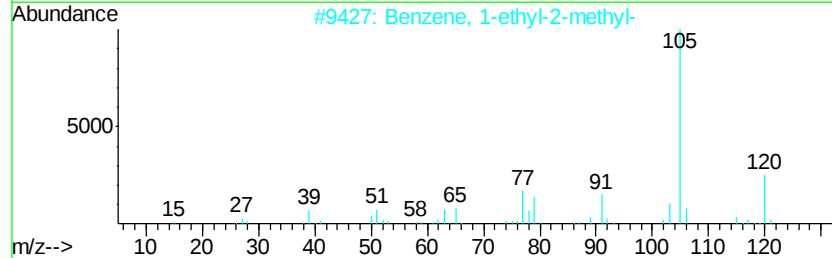
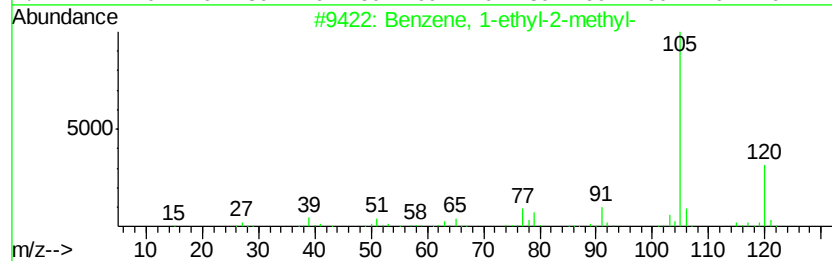
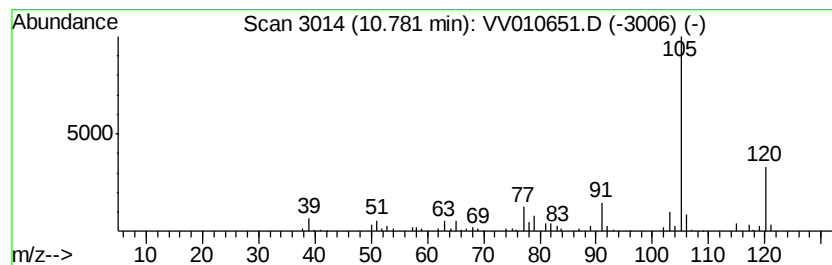
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Quant Title : VOC Analysis

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.78	3.91 ug/L	67062	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
4		Mesitylene	120	C9H12	000108-67-8	91
5		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV050219\
Data File : VV010651.D
Acq On : 03 May 2019 07:33
Operator : SY/MD
Sample : K2604-22
Misc : 5.03G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAJ93

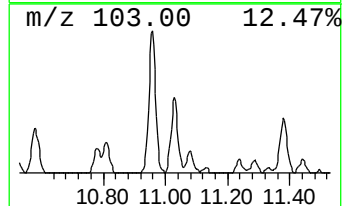
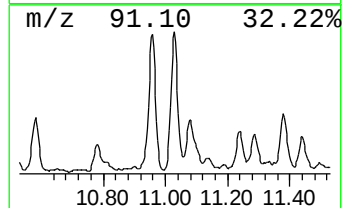
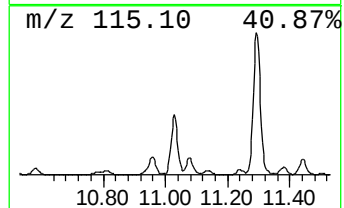
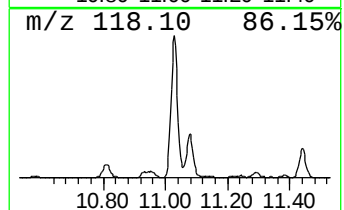
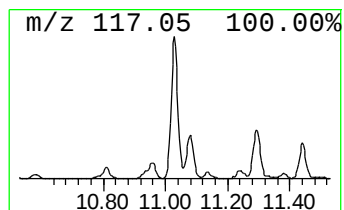
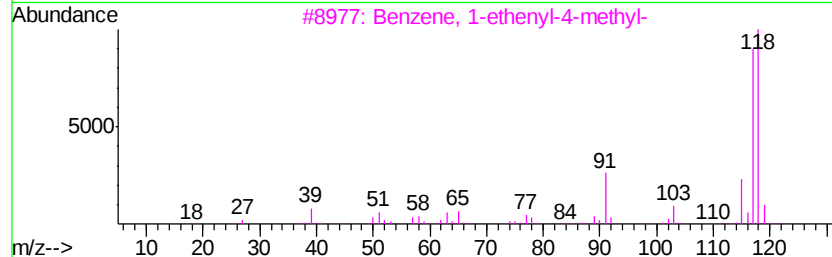
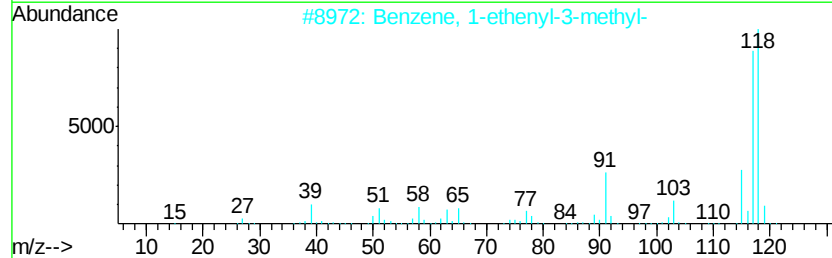
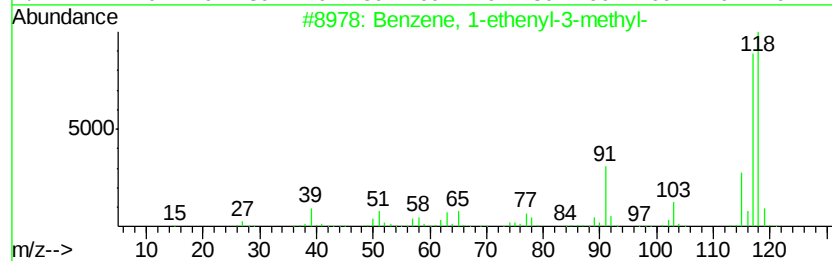
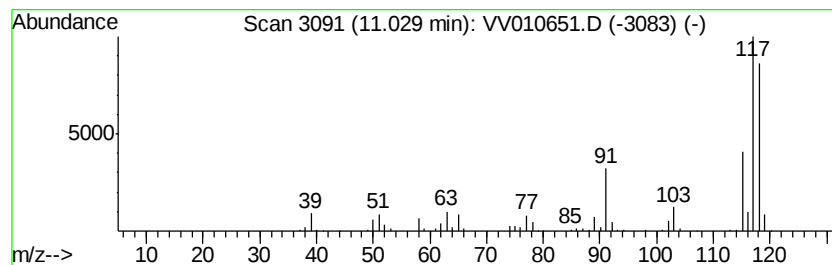
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Quant Title : VOC Analysis

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

Peak Number 6 Benzene, 1-ethenyl-3-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.03	9.00 ug/L	154249	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
2		Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
3		Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	94
4		Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	94
5		Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV050219\
Data File : VV010651.D
Acq On : 03 May 2019 07:33
Operator : SY/MD
Sample : K2604-22
Misc : 5.03G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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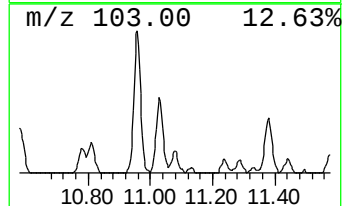
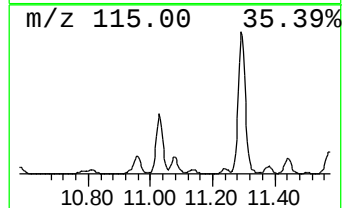
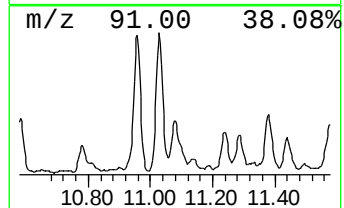
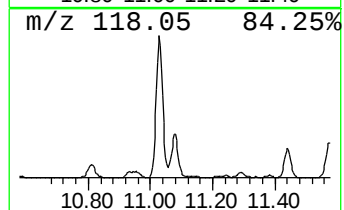
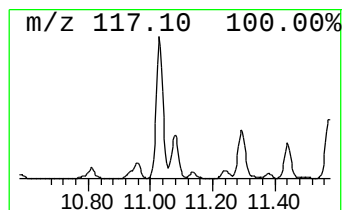
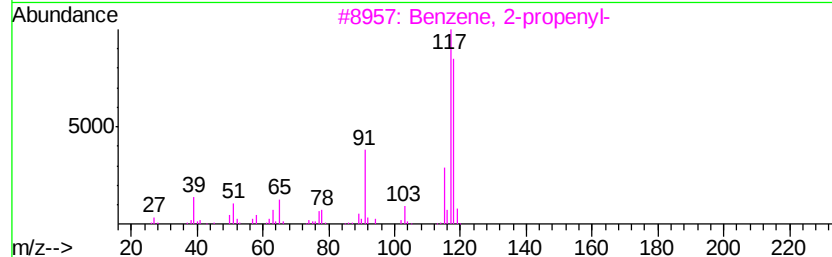
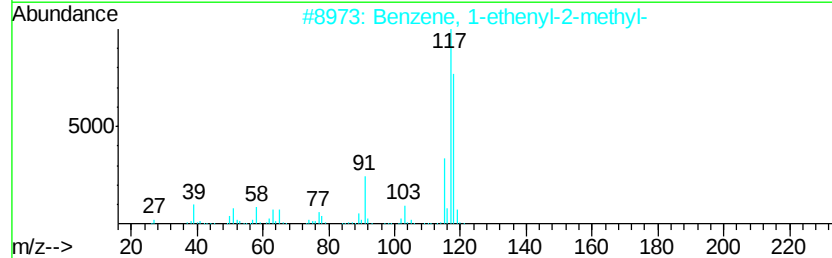
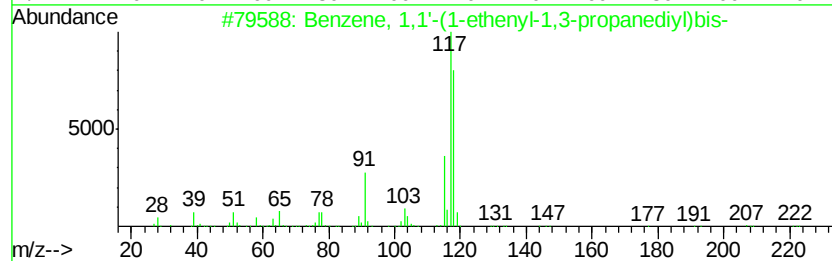
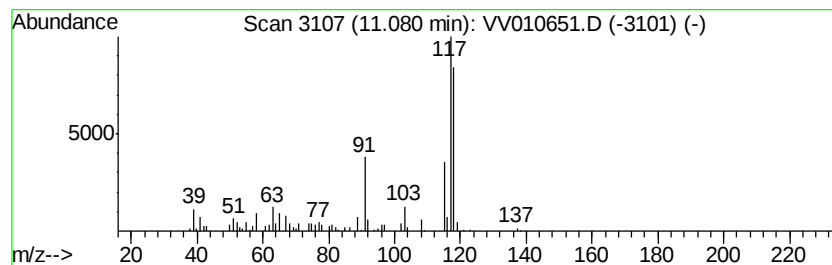
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Quant Title : VOC Analysis

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

Peak Number 7 Benzene, 1,1'-(1-ethenyl-1,... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.08	3.15 ug/L	54009	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	83
2		Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	81
3		Benzene, 2-propenyl-	118	C9H10	000300-57-2	76
4		Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	76
5		Benzene, 1-propenyl-	118	C9H10	000637-50-3	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV050219\
Data File : VV010651.D
Acq On : 03 May 2019 07:33
Operator : SY/MD
Sample : K2604-22
Misc : 5.03G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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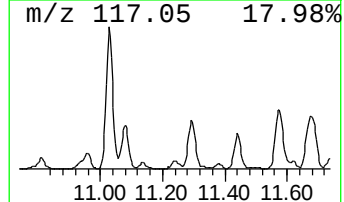
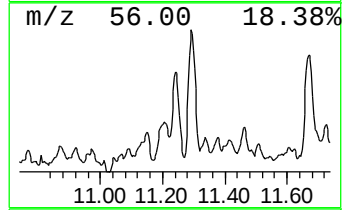
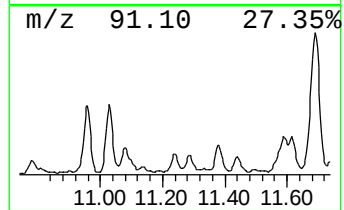
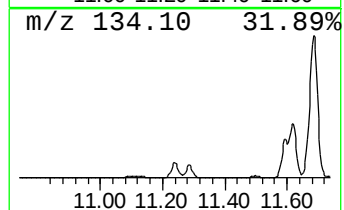
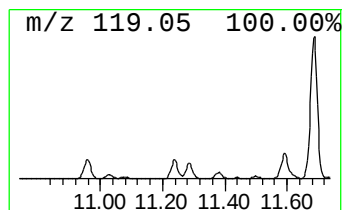
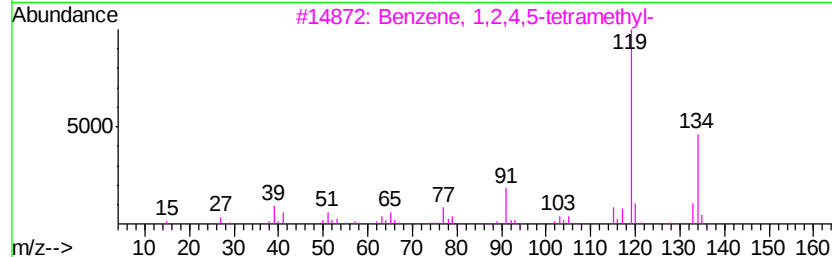
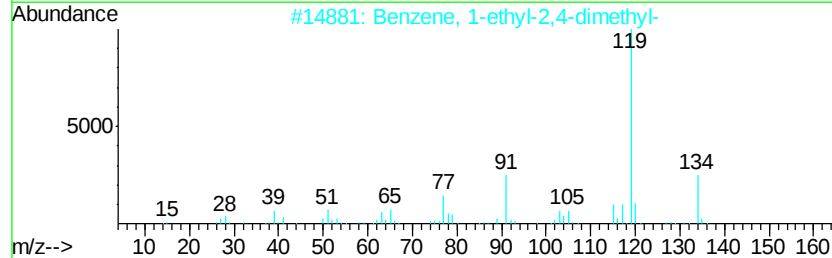
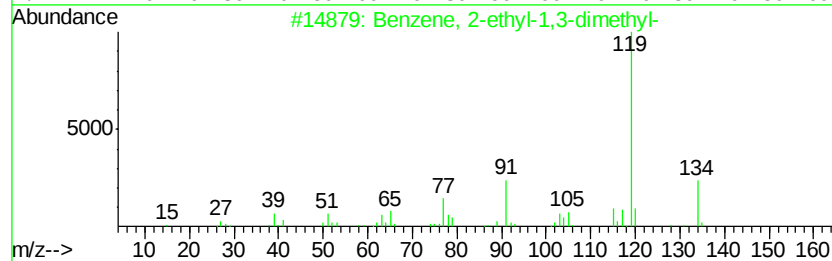
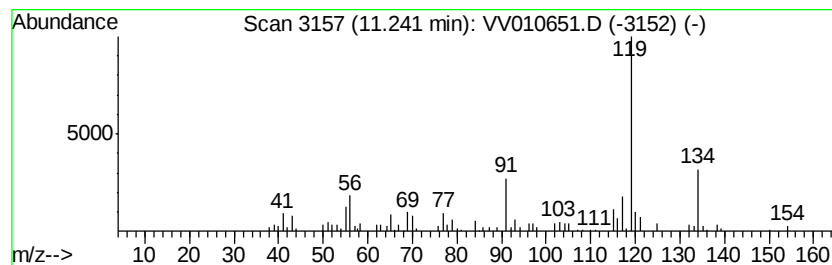
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Quant Title : VOC Analysis

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

Peak Number 8 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.24	2.67 ug/L	45800	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93
2		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	90
3		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	90
4		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	87
5		p-Cymene	134	C10H14	000099-87-6	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV050219\
Data File : VV010651.D
Acq On : 03 May 2019 07:33
Operator : SY/MD
Sample : K2604-22
Misc : 5.03G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

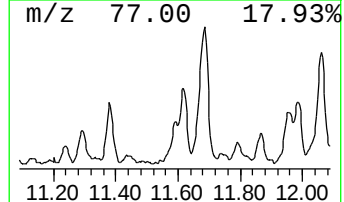
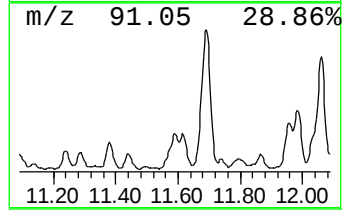
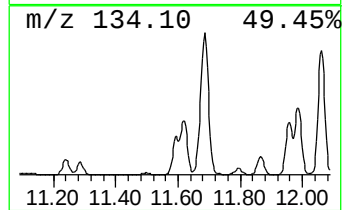
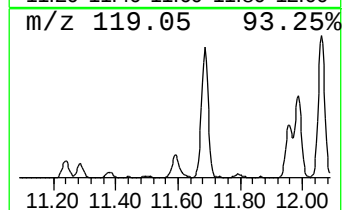
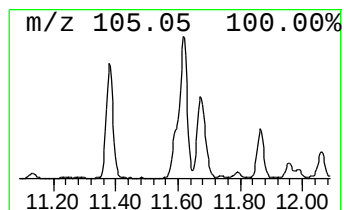
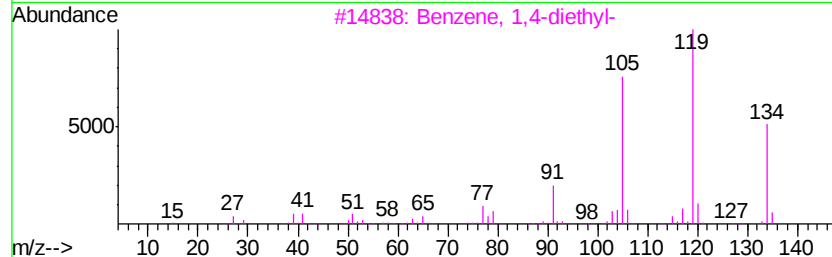
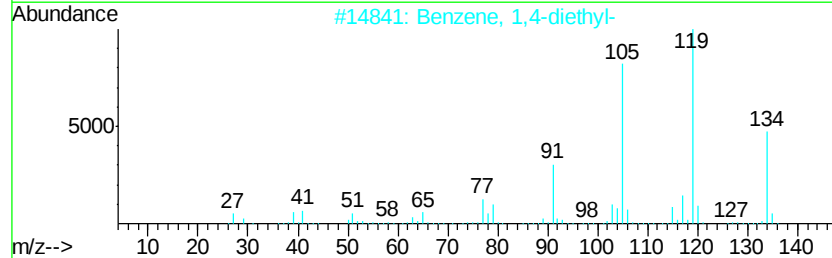
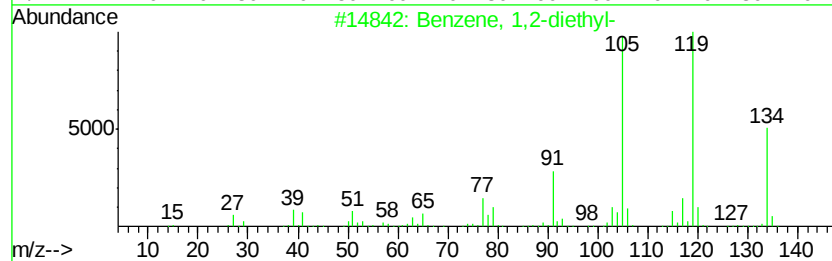
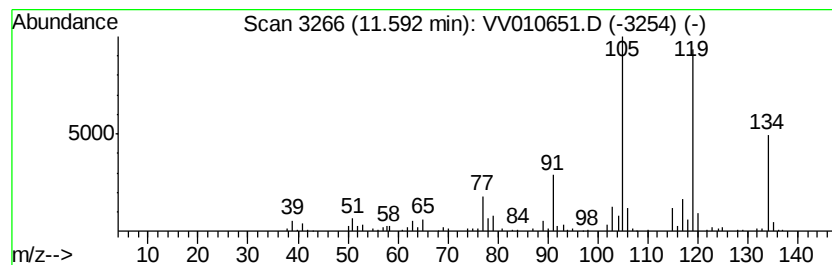
Instrument :
MSVOA_V
ClientSampleId :
GAJ93

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

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

Peak Number 10 Benzene, 1,2-diethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.59	7.85 ug/L	134627	1,4-Dichlorobenzene-d4	11.29	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	90
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	90
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV050219\
Data File : VV010651.D
Acq On : 03 May 2019 07:33
Operator : SY/MD
Sample : K2604-22
Misc : 5.03G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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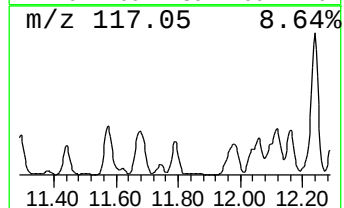
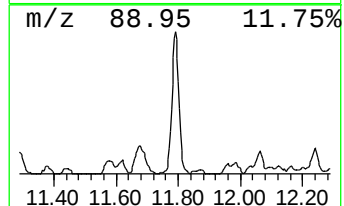
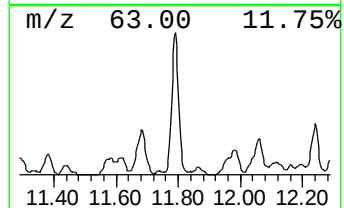
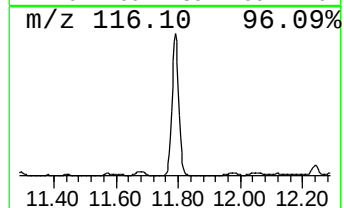
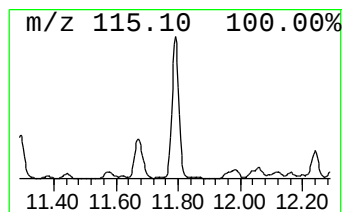
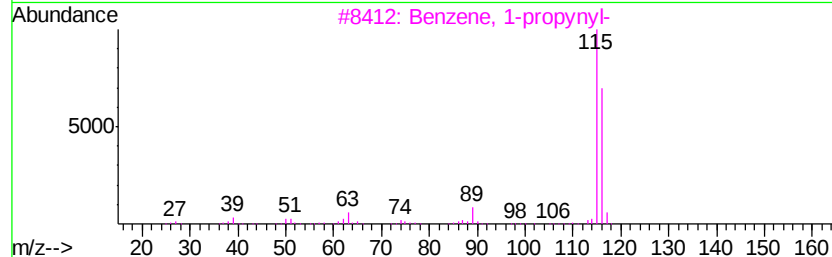
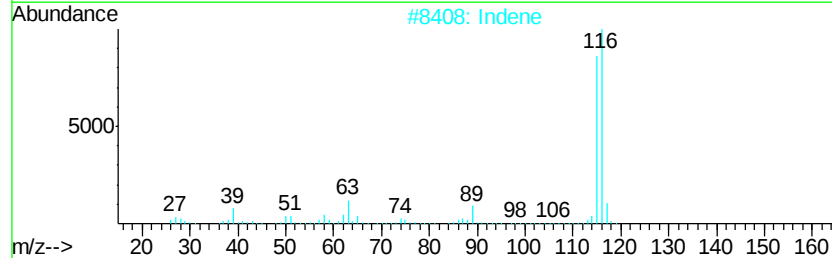
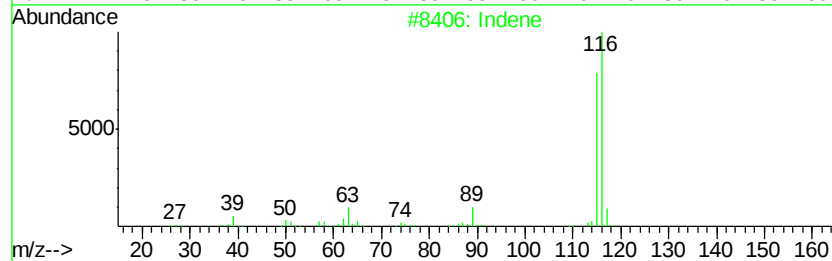
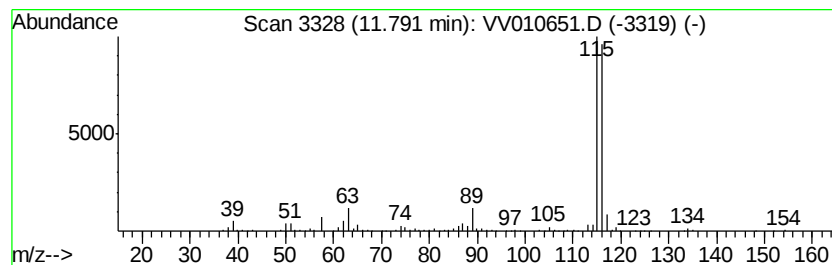
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Quant Title : VOC Analysis

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

Peak Number 11 Indene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	24.79 ug/L	425037	1,4-Dichlorobenzene-d4	11.29

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		3-Methylphenylacetylene	116	C9H8	000766-82-5	91
5		Benzene, 1-propynyl-	116	C9H8	000673-32-5	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV050219\
Data File : VV010651.D
Acq On : 03 May 2019 07:33
Operator : SY/MD
Sample : K2604-22
Misc : 5.03G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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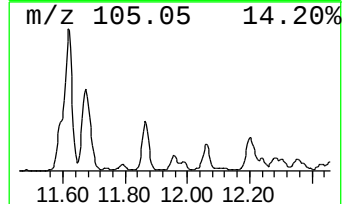
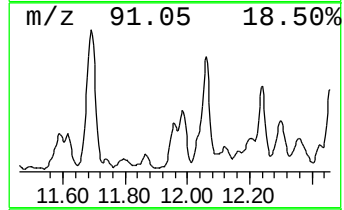
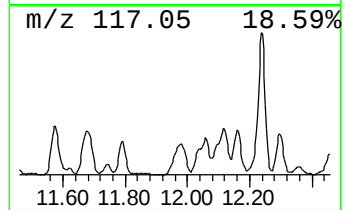
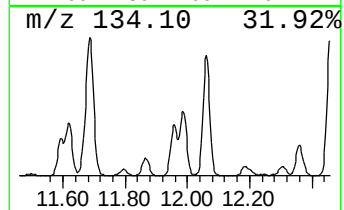
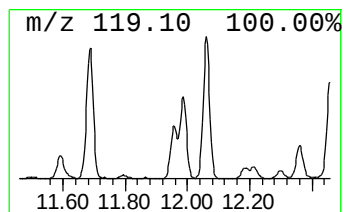
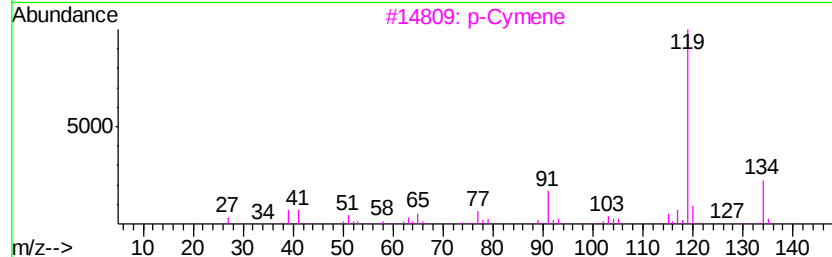
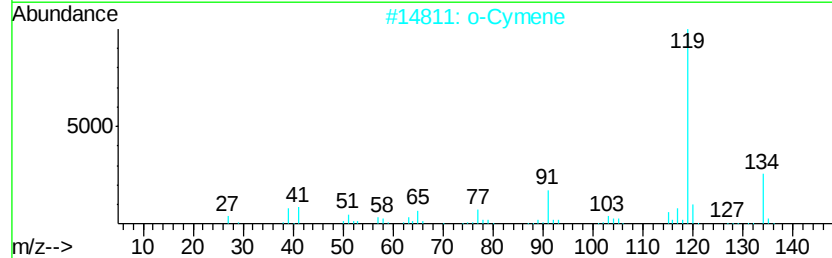
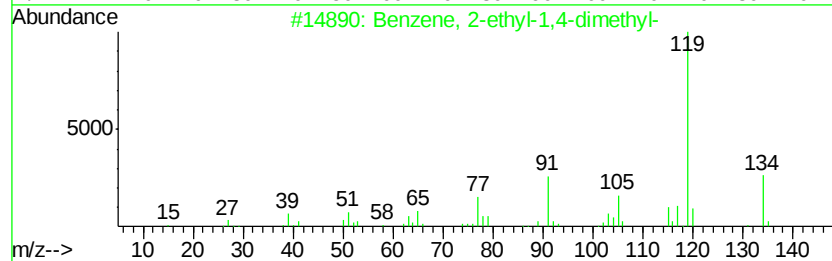
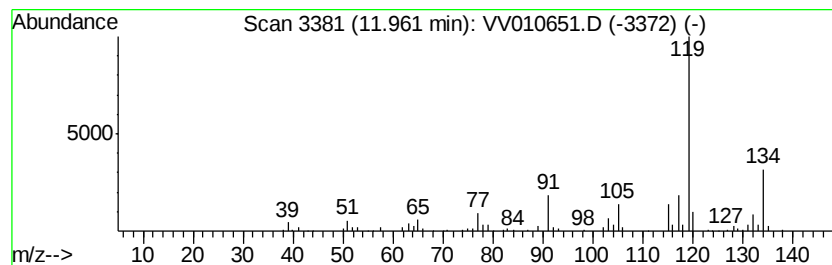
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Quant Title : VOC Analysis

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

Peak Number 12 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	7.44 ug/L	127534	1,4-Dichlorobenzene-d4	11.29

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2			o-Cymene	134	C10H14	000527-84-4	95
3			p-Cymene	134	C10H14	000099-87-6	94
4			o-Cymene	134	C10H14	000527-84-4	94
5			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV050219\
Data File : VV010651.D
Acq On : 03 May 2019 07:33
Operator : SY/MD
Sample : K2604-22
Misc : 5.03G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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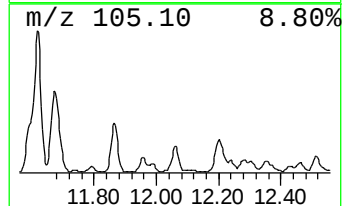
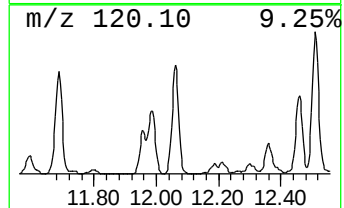
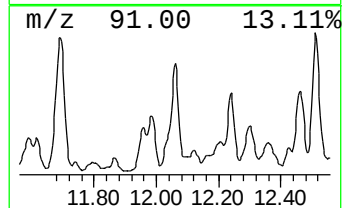
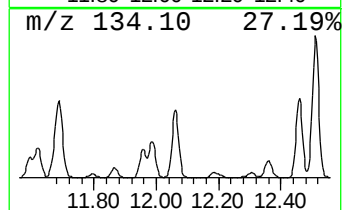
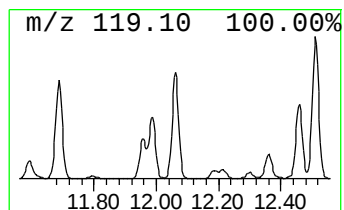
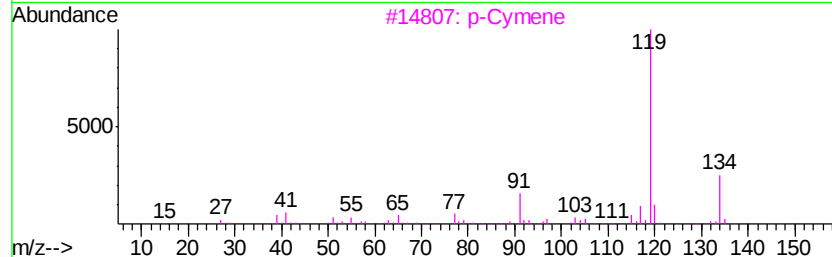
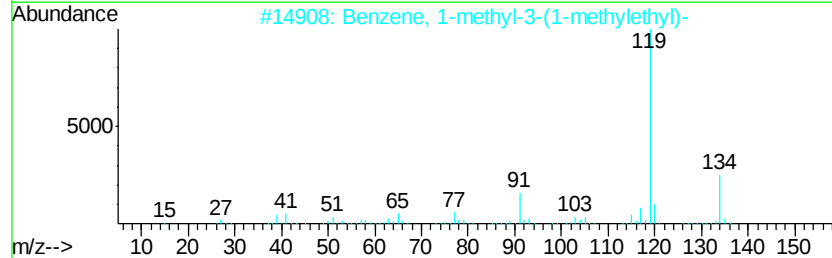
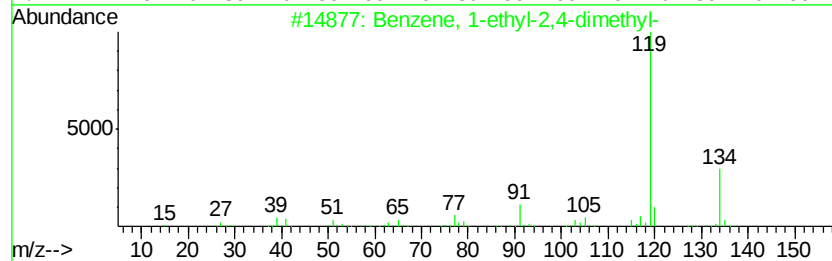
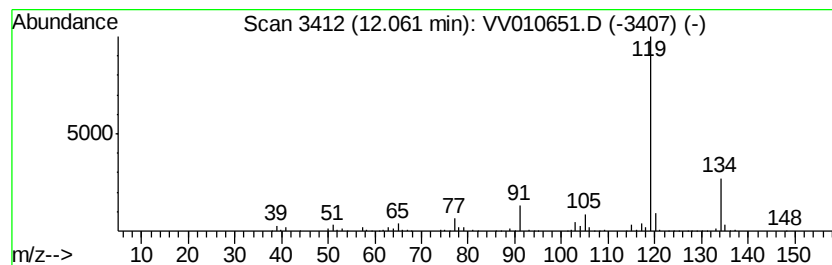
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Quant Title : VOC Analysis

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

Peak Number 13 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	14.42 ug/L	247249	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
2		Benzene, 1-methyl-3-(1-methylethyl-)	134	C10H14	000535-77-3	91
3		p-Cymene	134	C10H14	000099-87-6	91
4		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91
5		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV050219\
Data File : VV010651.D
Acq On : 03 May 2019 07:33
Operator : SY/MD
Sample : K2604-22
Misc : 5.03G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAJ93

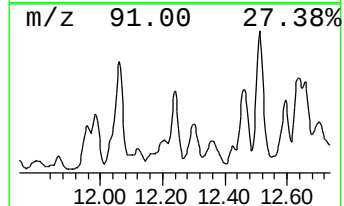
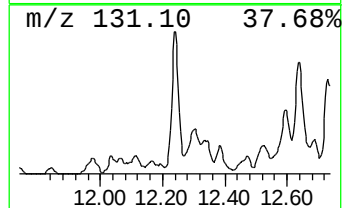
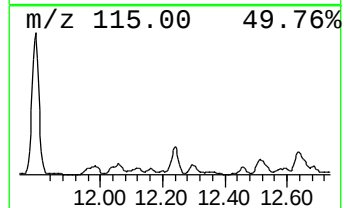
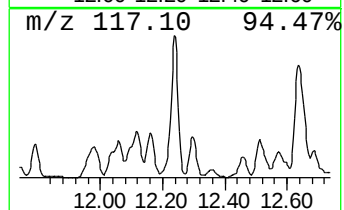
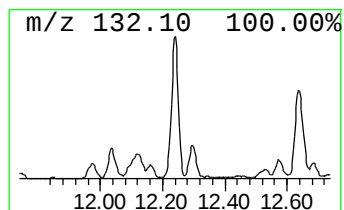
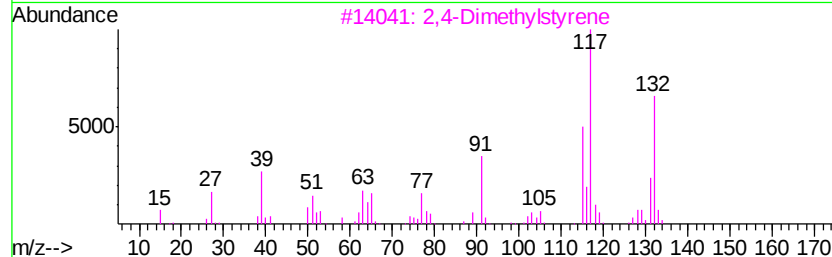
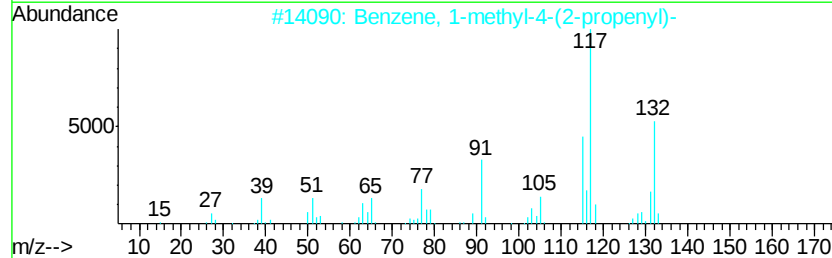
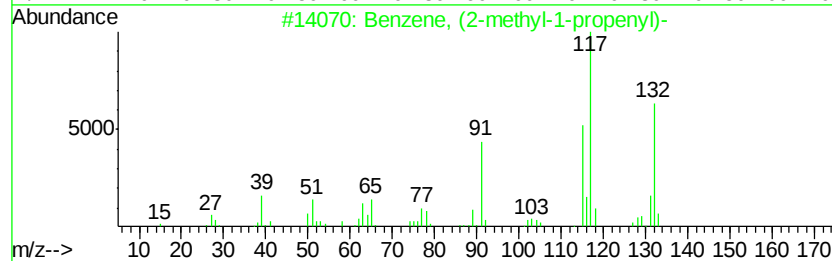
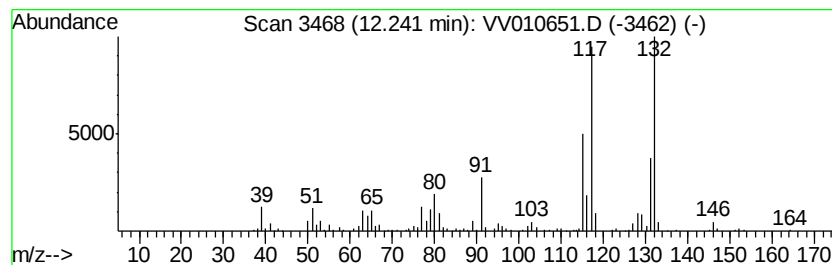
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Quant Title : VOC Analysis

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

Peak Number 14 Benzene, (2-methyl-1-propen... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	15.96 ug/L	273644	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	91
2		Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	91
3		2,4-Dimethylstyrene	132	C10H12	002234-20-0	91
4		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
5		Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV050219\
Data File : VV010651.D
Acq On : 03 May 2019 07:33
Operator : SY/MD
Sample : K2604-22
Misc : 5.03G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAJ93

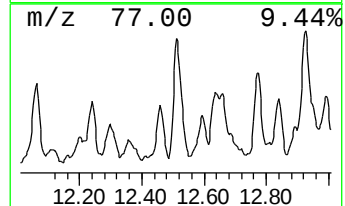
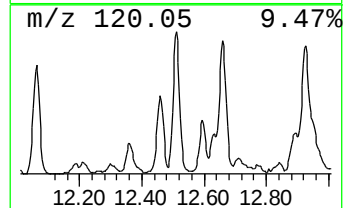
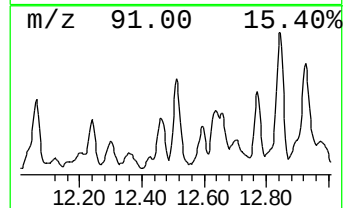
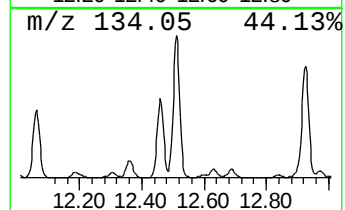
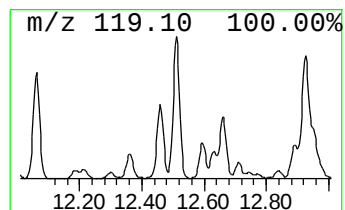
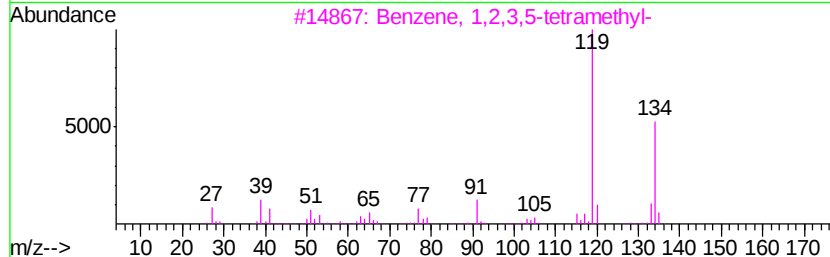
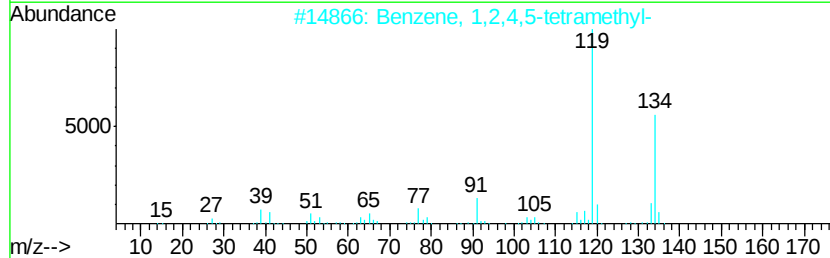
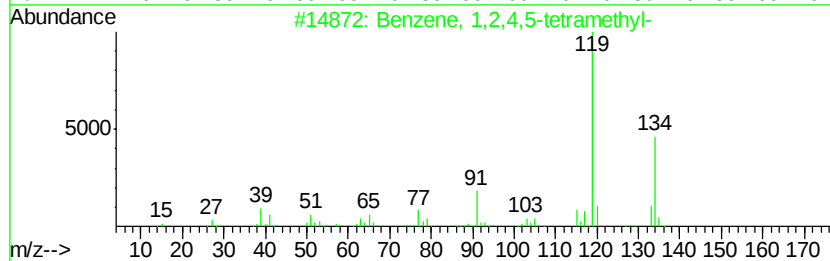
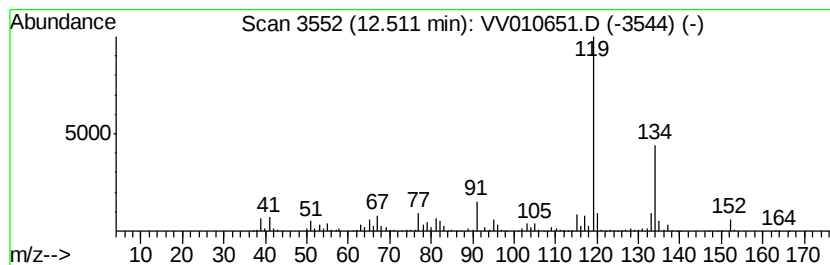
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Quant Title : VOC Analysis

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

Peak Number 15 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	38.44 ug/L	659157	1,4-Dichlorobenzene-d4	11.29

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	95
3		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
5		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV050219\
Data File : VV010651.D
Acq On : 03 May 2019 07:33
Operator : SY/MD
Sample : K2604-22
Misc : 5.03G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

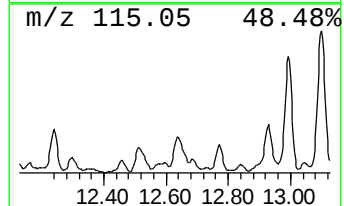
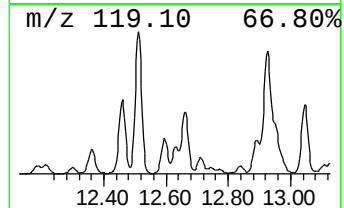
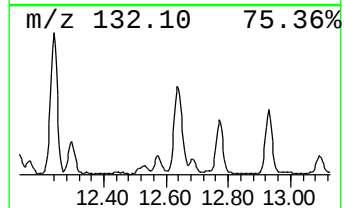
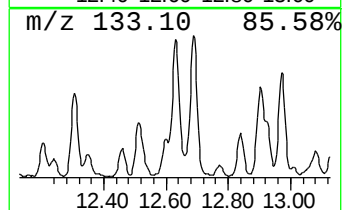
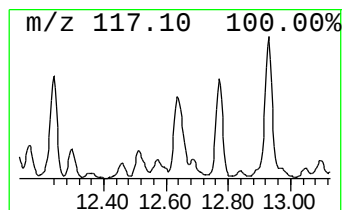
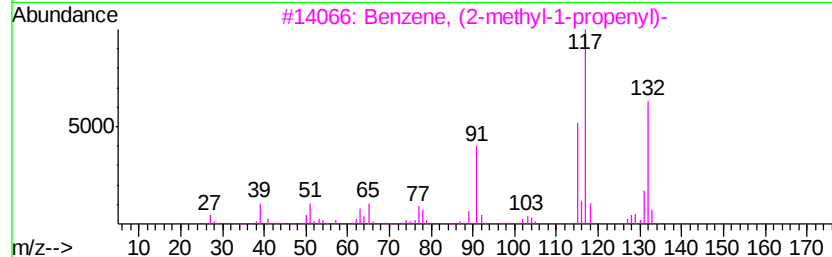
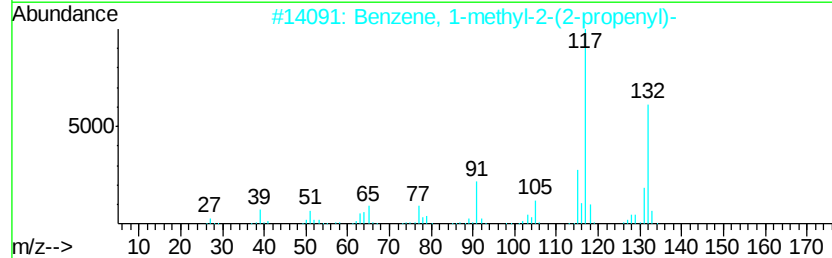
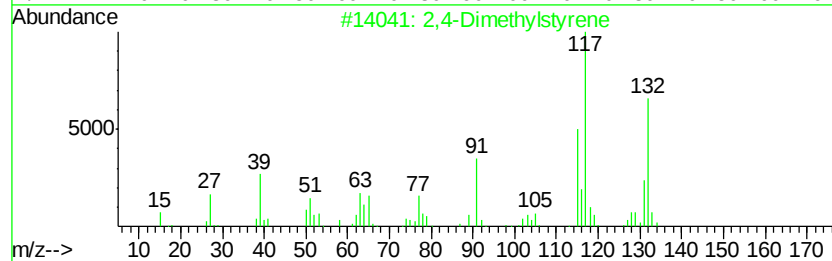
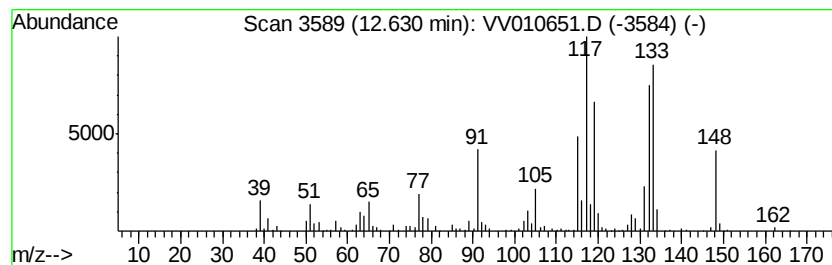
Instrument :
MSVOA_V
ClientSampleId :
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Quant Title : VOC Analysis

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

Peak Number 16 2,4-Dimethylstyrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	15.32 ug/L	262698	1,4-Dichlorobenzene-d4	11.29
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	2,4-Dimethylstvrene	132 C10H12	002234-20-0	91
2	Benzene, 1-methyl-2-(2-propenyl)-	132 C10H12	001587-04-8	91
3	Benzene, (2-methyl-1-propenyl)-	132 C10H12	000768-49-0	91
4	Benzene, 4-ethenyl-1,2-dimethyl-	132 C10H12	027831-13-6	91
5	Benzene, 1-methyl-4-(2-propenyl)-	132 C10H12	003333-13-9	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV050219\
Data File : VV010651.D
Acq On : 03 May 2019 07:33
Operator : SY/MD
Sample : K2604-22
Misc : 5.03G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAJ93

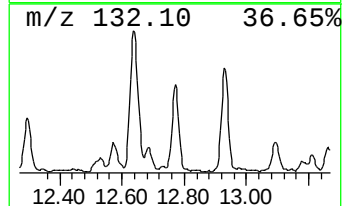
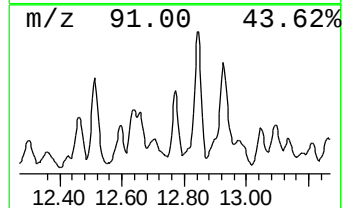
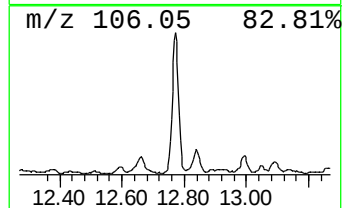
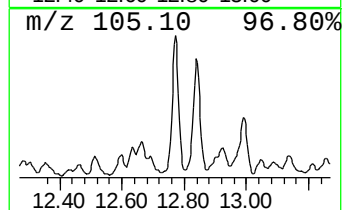
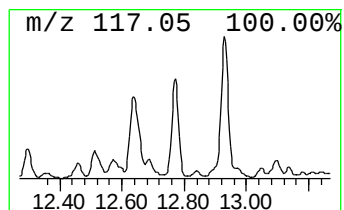
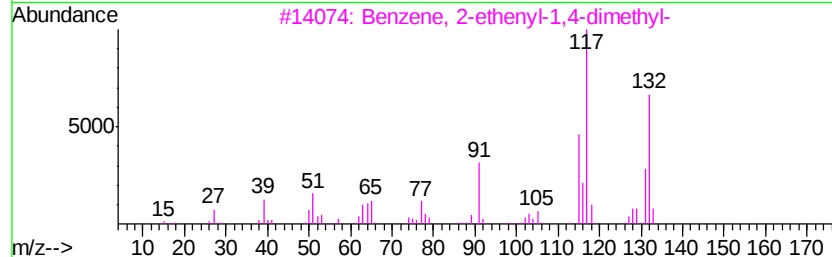
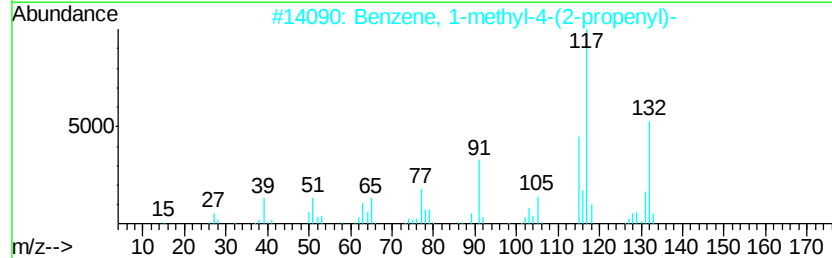
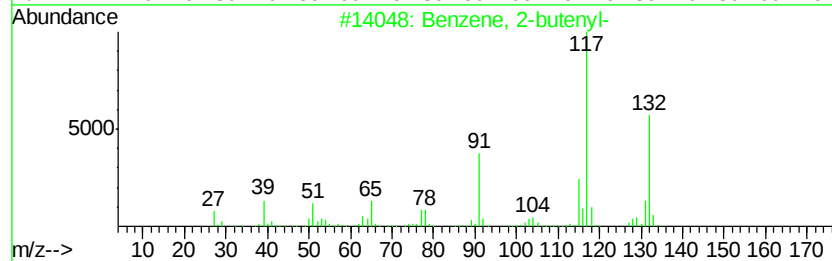
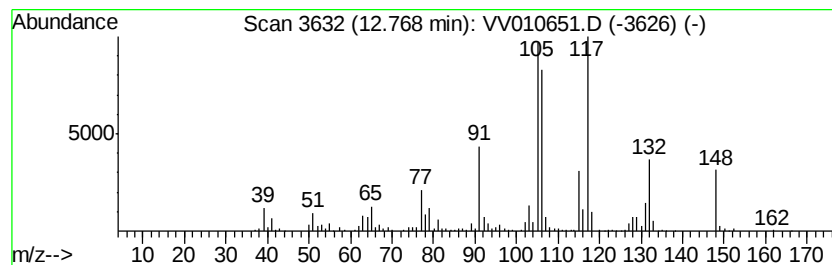
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Quant Title : VOC Analysis

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

Peak Number 17 Benzene, 2-butenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	16.90 ug/L	289749	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	90
2		Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	87
3		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	80
4		2,4-Dimethylstyrene	132	C10H12	002234-20-0	80
5		Benzene, 2-butenyl-	132	C10H12	001560-06-1	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV050219\
Data File : VV010651.D
Acq On : 03 May 2019 07:33
Operator : SY/MD
Sample : K2604-22
Misc : 5.03G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAJ93

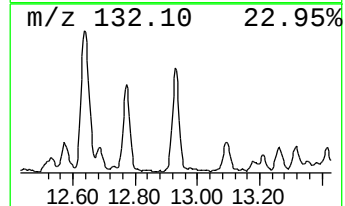
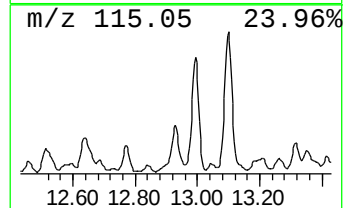
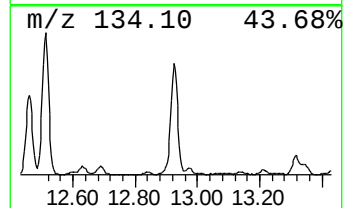
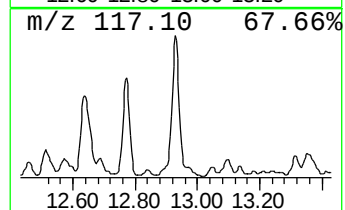
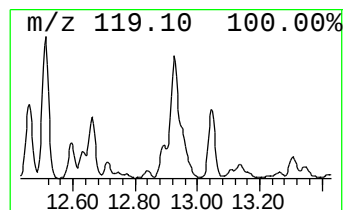
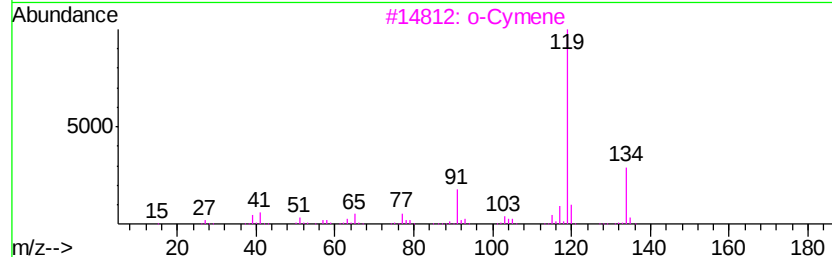
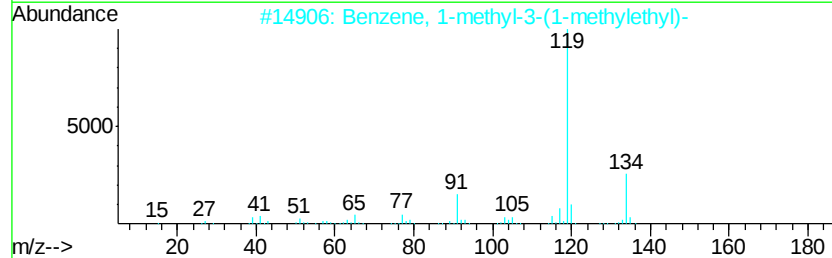
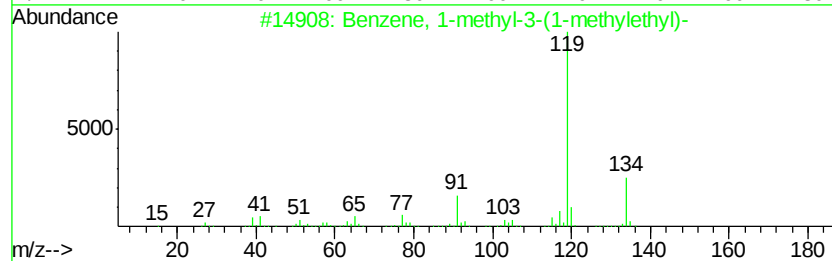
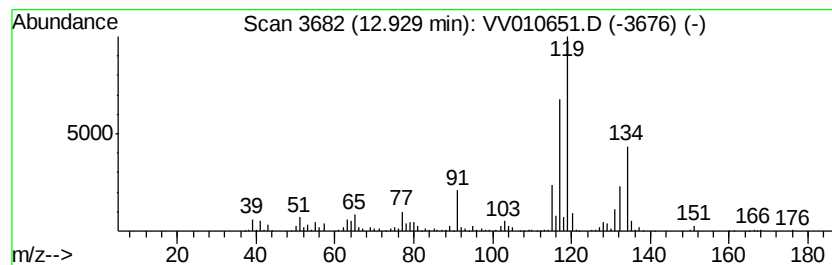
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Quant Title : VOC Analysis

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

Peak Number 18 Benzene, 1-methyl-3-(1-meth... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	28.25 ug/L	484320	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	64
2		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	64
3		o-Cymene	134	C10H14	000527-84-4	64
4		o-Cymene	134	C10H14	000527-84-4	58
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV050219\
Data File : VV010651.D
Acq On : 03 May 2019 07:33
Operator : SY/MD
Sample : K2604-22
Misc : 5.03G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

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ClientSampleId :
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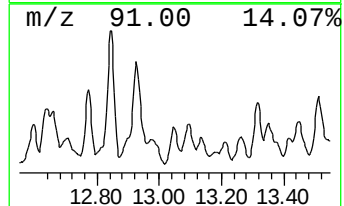
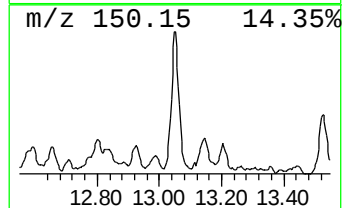
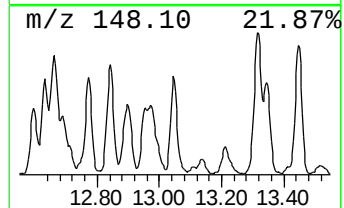
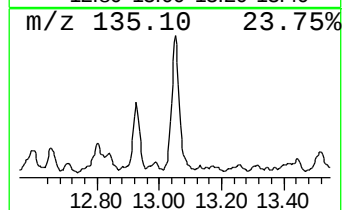
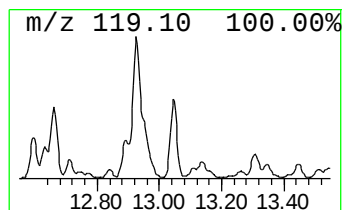
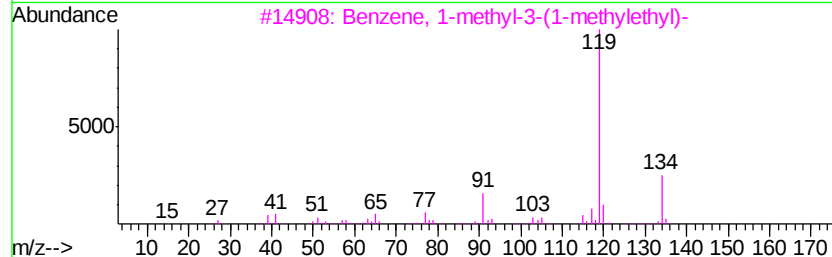
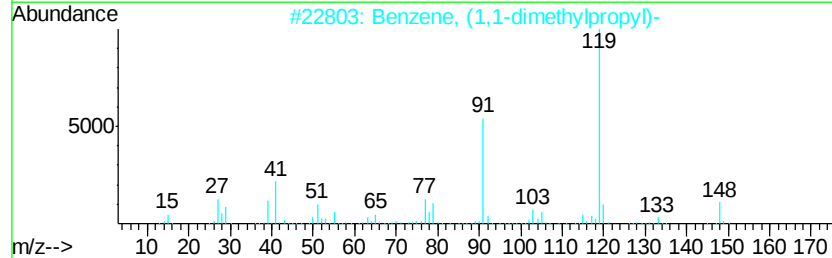
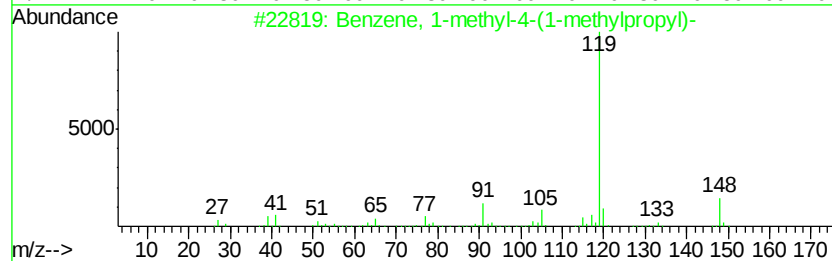
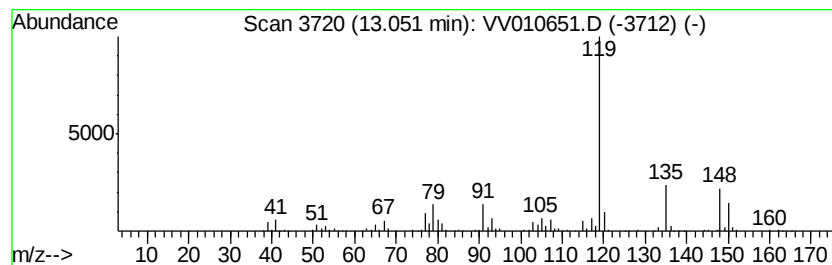
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Quant Title : VOC Analysis

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

Peak Number 19 Benzene, 1-methyl-4-(1-meth... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.05	12.08 ug/L	207207	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	72
2		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	64
3		Benzene, 1-methyl-3-(1-methyl-eth...	134	C10H14	000535-77-3	58
4		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	53
5		o-Cymene	134	C10H14	000527-84-4	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV050219\
Data File : VV010651.D
Acq On : 03 May 2019 07:33
Operator : SY/MD
Sample : K2604-22
Misc : 5.03G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAJ93

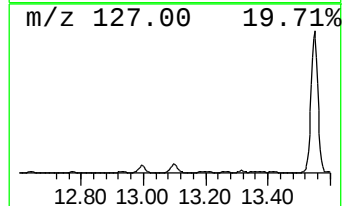
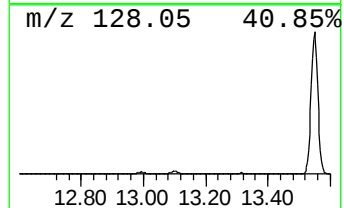
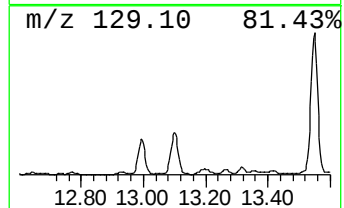
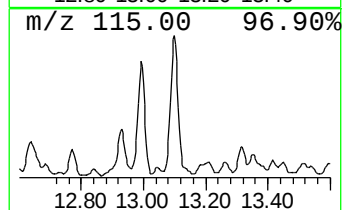
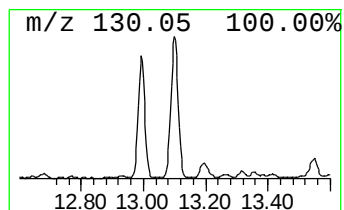
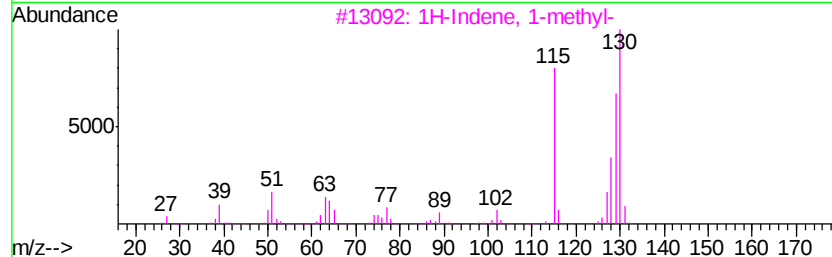
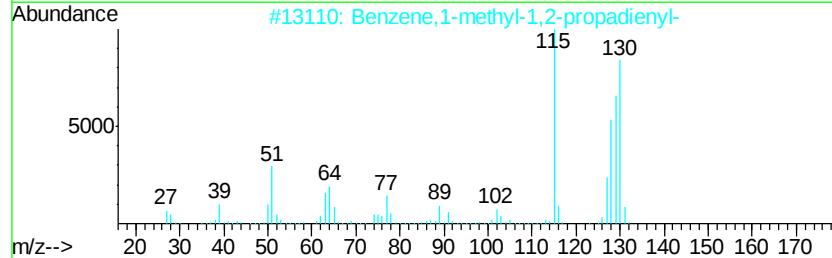
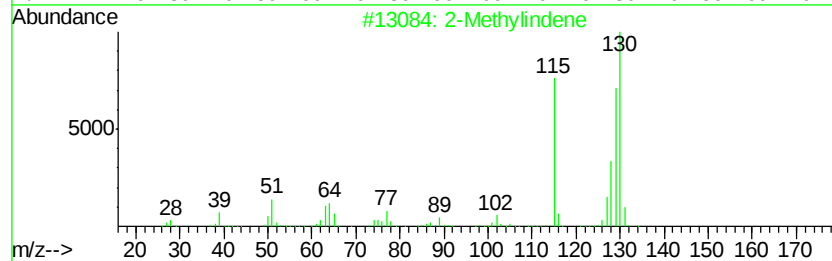
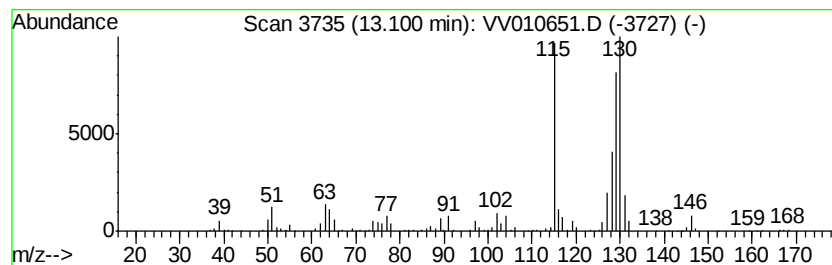
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Quant Title : VOC Analysis

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

Peak Number 20 2-Methylindene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	31.45 ug/L	539253	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Methylindene	130	C10H10	002177-47-1	96
2		Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	93
3		1H-Indene, 1-methyl-	130	C10H10	000767-59-9	93
4		Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	93
5		Benzene, 1-butyryl-	130	C10H10	000622-76-4	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV050219\
Data File : VV010651.D
Acq On : 03 May 2019 07:33
Operator : SY/MD
Sample : K2604-22
Misc : 5.03G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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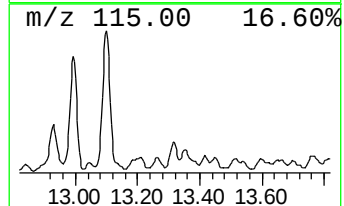
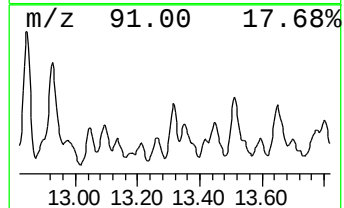
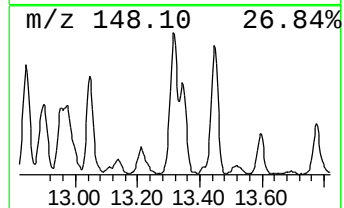
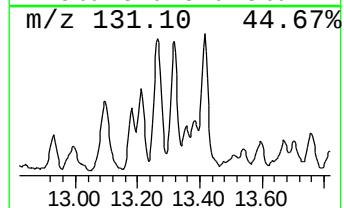
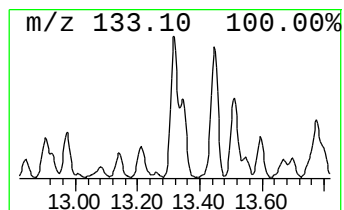
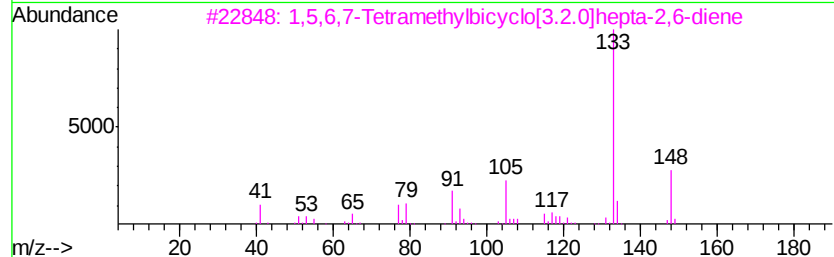
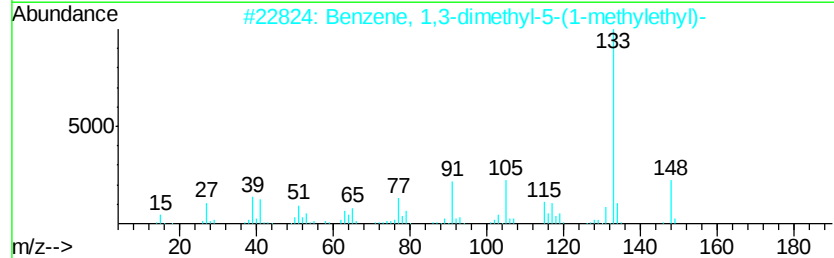
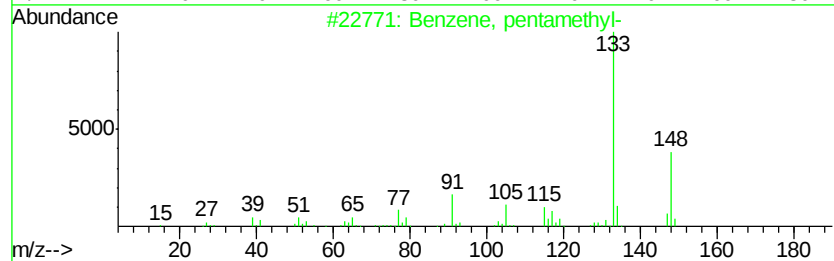
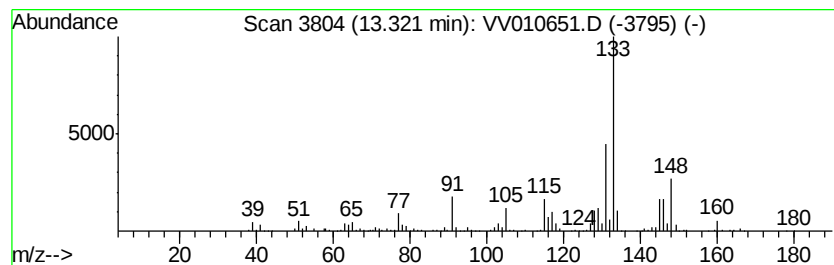
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Quant Title : VOC Analysis

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

Peak Number 21 Benzene, pentamethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.32	21.72 ug/L	372346	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, pentamethyl-	148	C11H16	000700-12-9	64
2		Benzene, 1,3-dimethyl-5-(1-methyl-...	148	C11H16	004706-90-5	58
3		1,5,6,7-Tetramethylbicyclo[3.2.0]hepta-2,6-diene	148	C11H16	134329-46-7	53
4		Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	49
5		3,4-Dimethylcumene	148	C11H16	1000370-34-1	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV050219\
Data File : VV010651.D
Acq On : 03 May 2019 07:33
Operator : SY/MD
Sample : K2604-22
Misc : 5.03G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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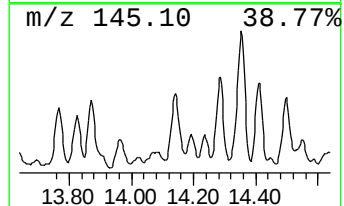
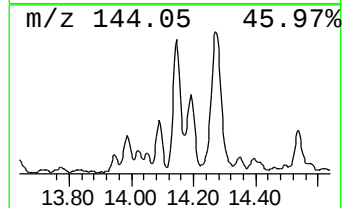
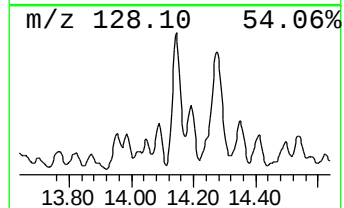
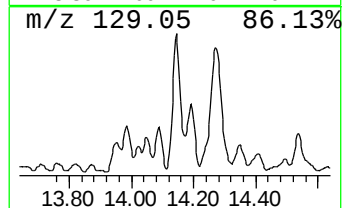
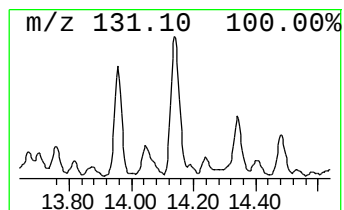
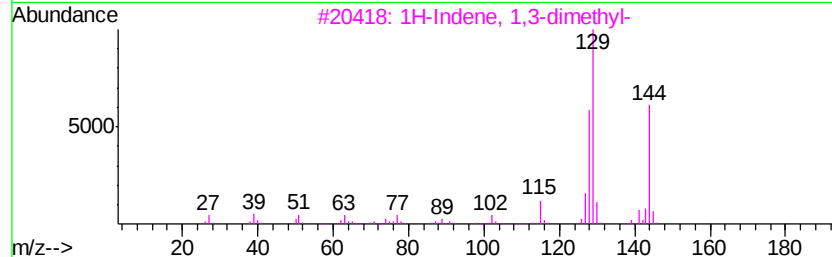
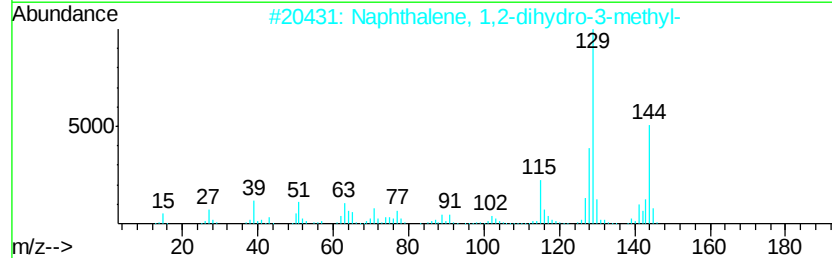
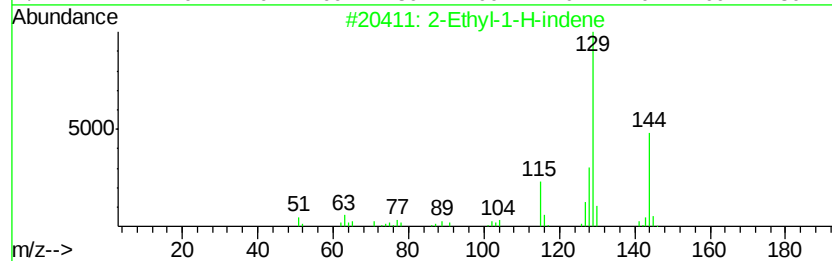
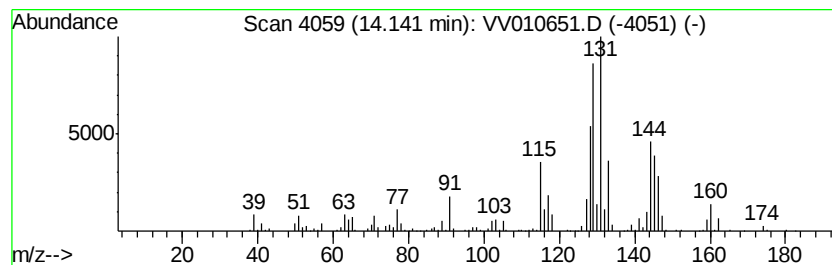
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Quant Title : VOC Analysis

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

Peak Number 23 unknown-01 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	31.51 ug/L	540254	1,4-Dichlorobenzene-d4	11.29

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Ethyl-1-H-indene	144	C11H12	017059-50-6	46
2			Naphthalene, 1,2-dihydro-3-methyl-	144	C11H12	002717-44-4	42
3			1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	42
4			1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	42
5			1H-Indene, 1-ethenyl-2,3-dihydro-	144	C11H12	051783-46-1	41



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV050219\
Data File : VV010651.D
Acq On : 03 May 2019 07:33
Operator : SY/MD
Sample : K2604-22
Misc : 5.03G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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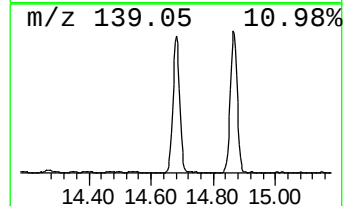
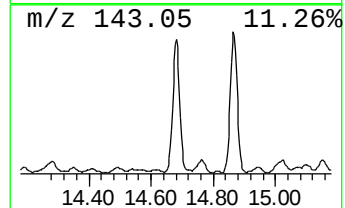
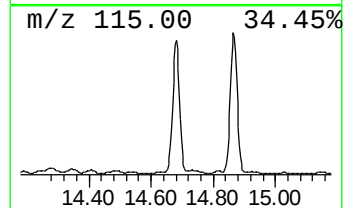
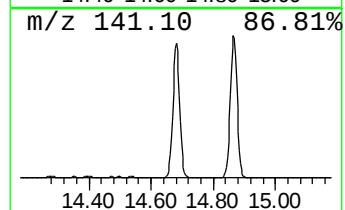
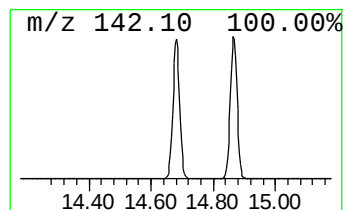
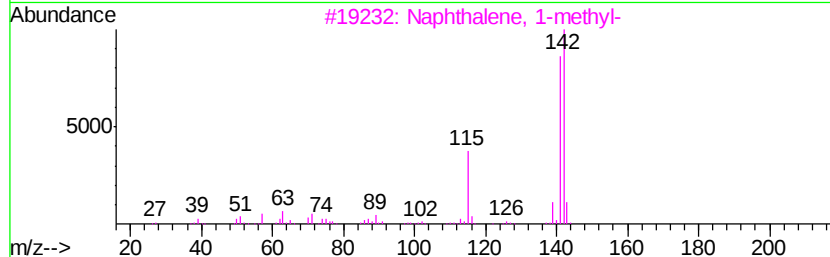
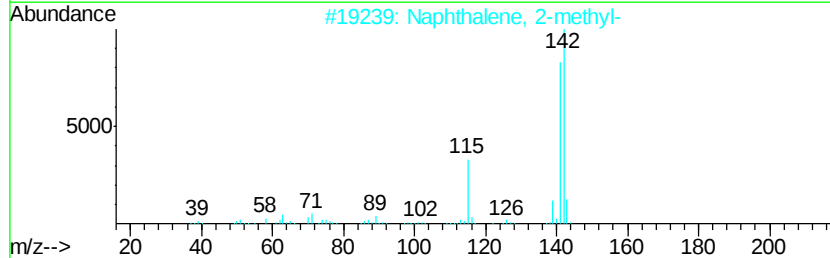
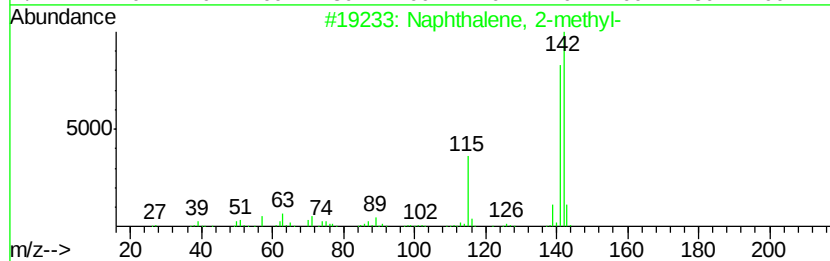
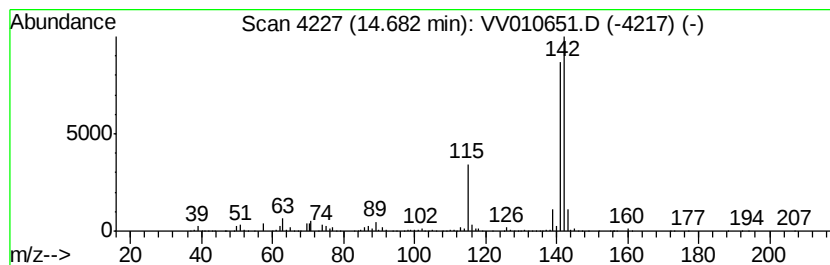
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Quant Title : VOC Analysis

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

Peak Number 24 Naphthalene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.68	160.27 ug/L	2748030	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
4		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV050219\
Data File : VV010651.D
Acq On : 03 May 2019 07:33
Operator : SY/MD
Sample : K2604-22
Misc : 5.03G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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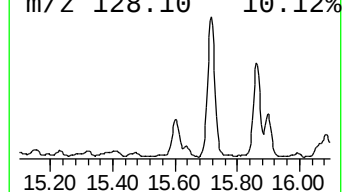
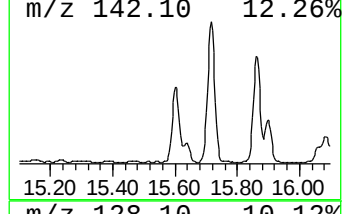
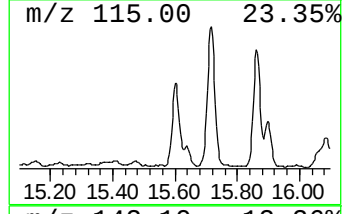
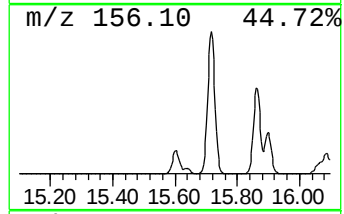
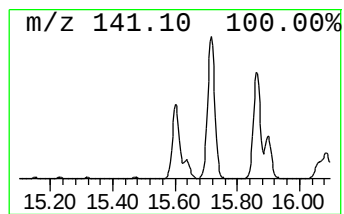
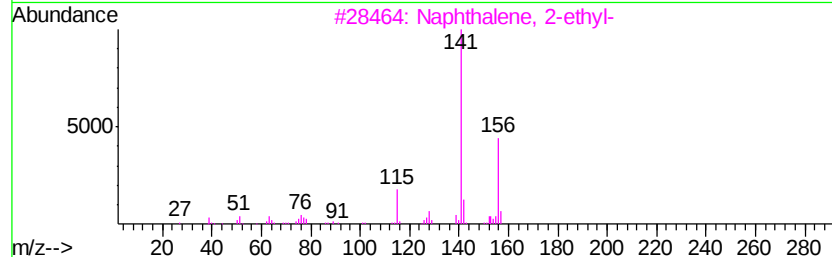
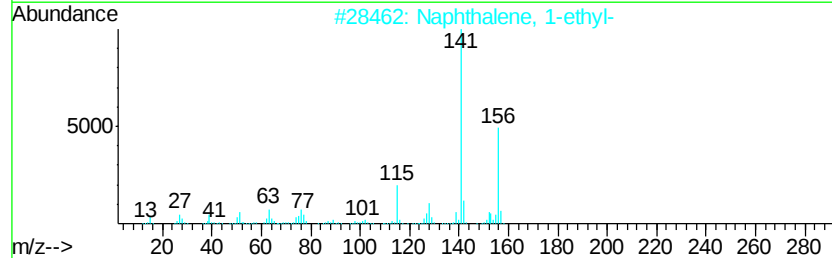
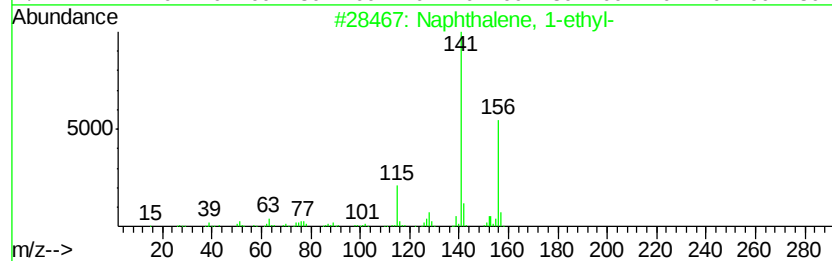
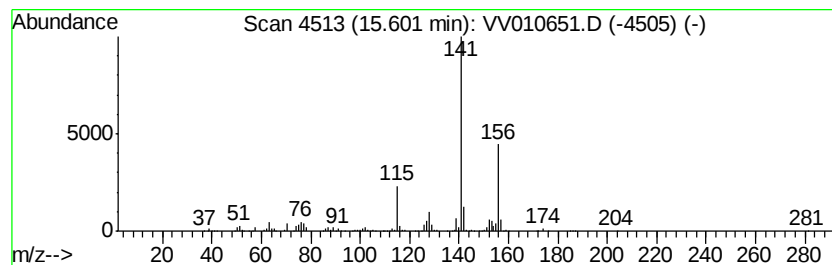
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Quant Title : VOC Analysis

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

Peak Number 26 Naphthalene, 1-ethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.60	51.04 ug/L	875122	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2		Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
3		Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
4		Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
5		Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV050219\
Data File : VV010651.D
Acq On : 03 May 2019 07:33
Operator : SY/MD
Sample : K2604-22
Misc : 5.03G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
GAJ93

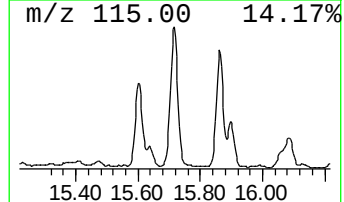
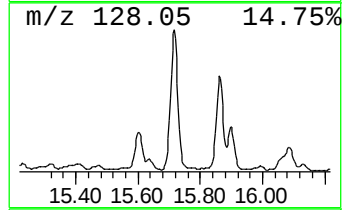
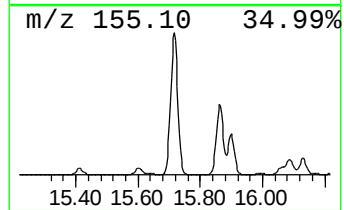
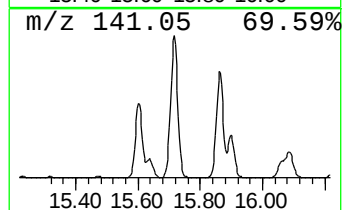
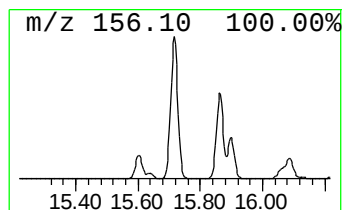
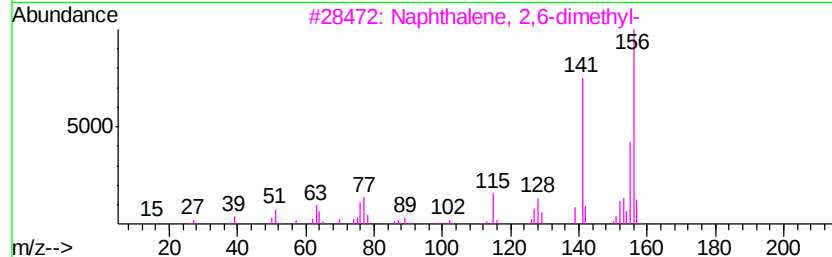
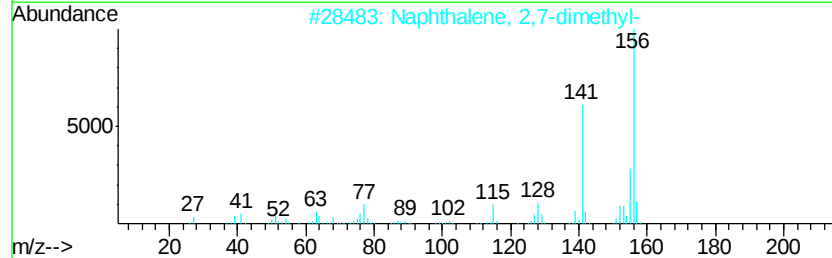
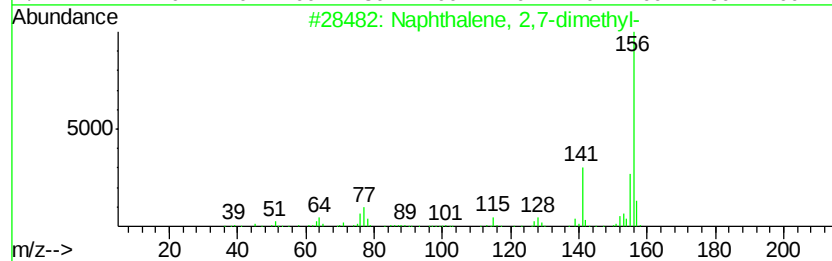
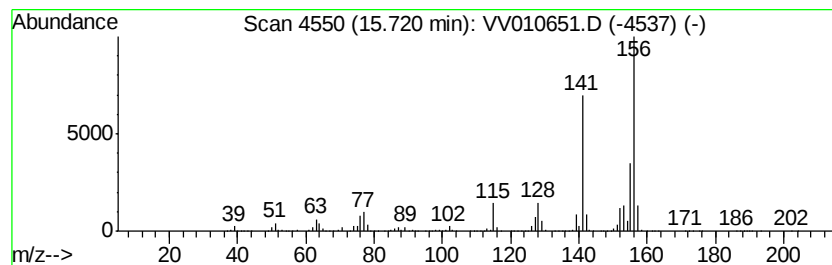
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Quant Title : VOC Analysis

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

Peak Number 27 Naphthalene, 2,7-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	196.46 ug/L	3368600	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV050219\
Data File : VV010651.D
Acq On : 03 May 2019 07:33
Operator : SY/MD
Sample : K2604-22
Misc : 5.03G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

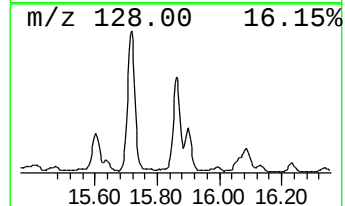
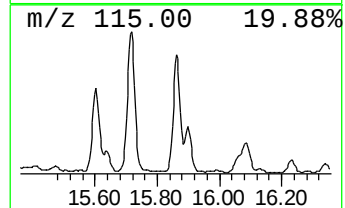
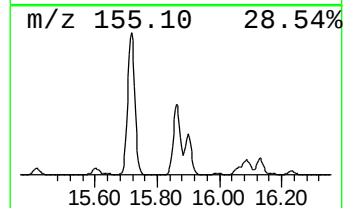
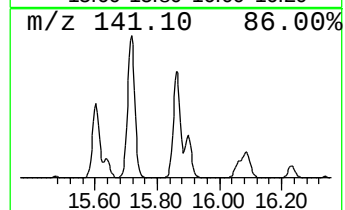
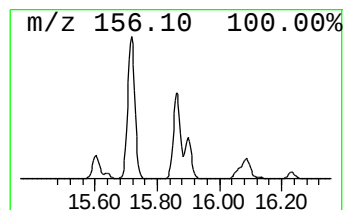
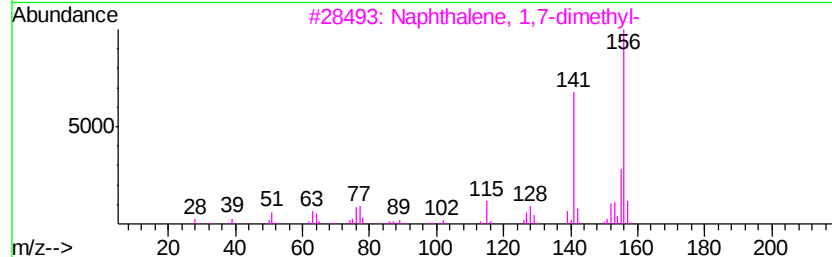
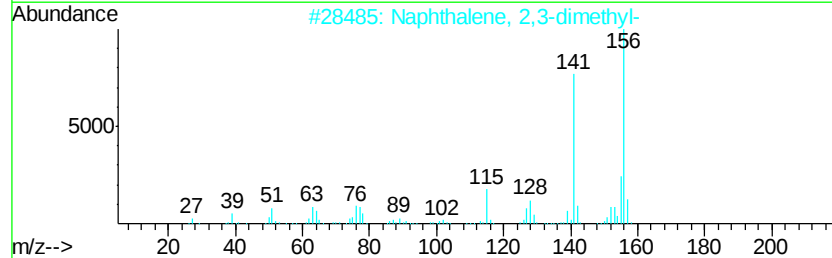
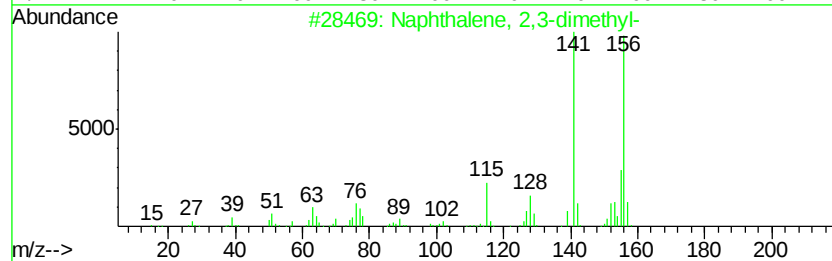
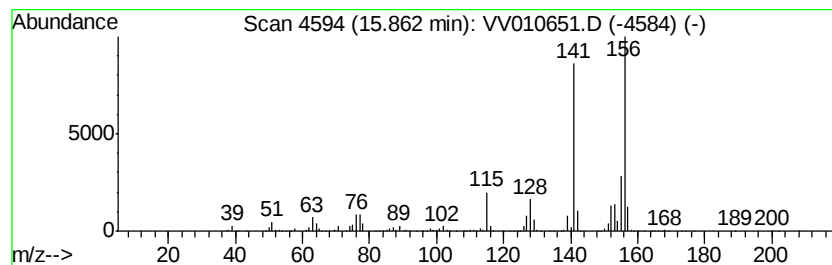
Instrument :
MSVOA_V
ClientSampleId :
GAJ93

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

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

Peak Number 28 Naphthalene, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.86	120.79 ug/L	2071160	1,4-Dichlorobenzene-d4	11.29
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 98
2		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 97
3		Naphthalene, 1,7-dimethyl-	156 C12H12	000575-37-1 97
4		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 97
5		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 97



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV050219\
Data File : VV010651.D
Acq On : 03 May 2019 07:33
Operator : SY/MD
Sample : K2604-22
Misc : 5.03G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

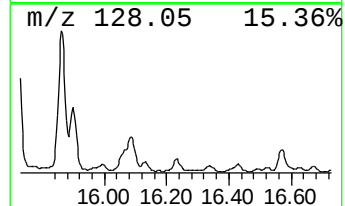
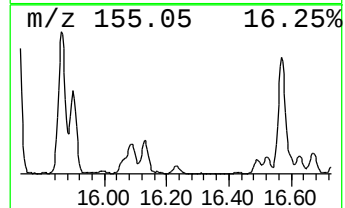
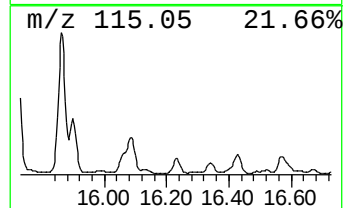
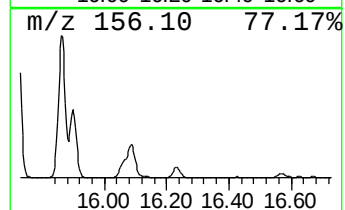
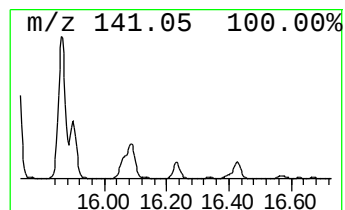
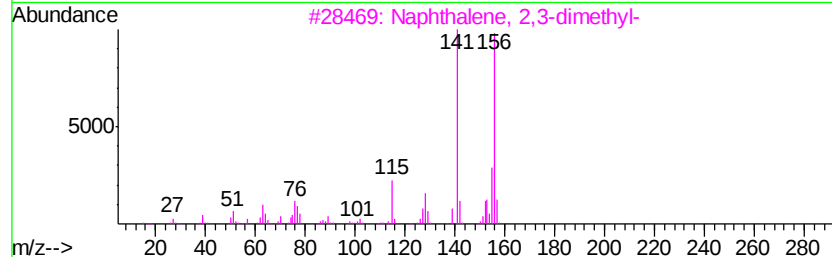
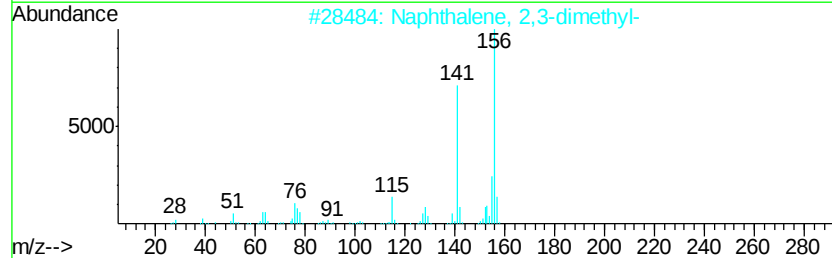
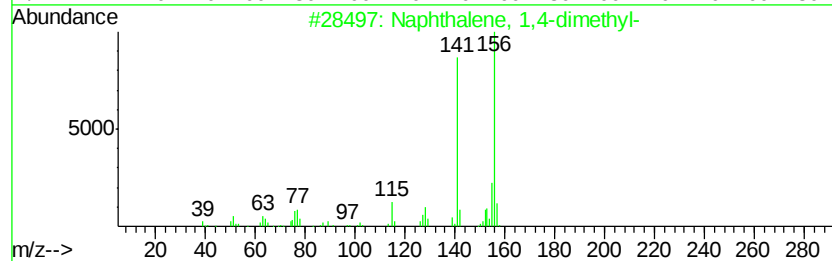
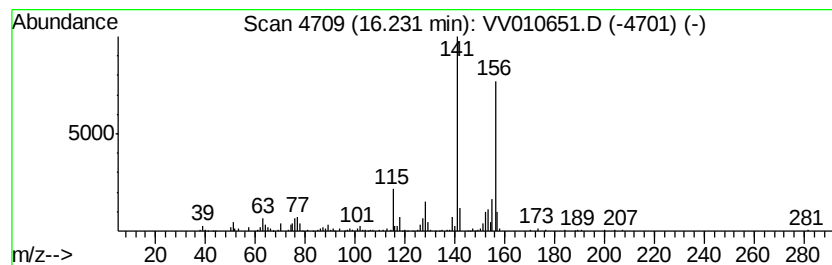
Instrument :
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ClientSampleId :
GAJ93

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

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

Peak Number 31 Naphthalene, 1,4-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.23	10.45 ug/L	179188	1,4-Dichlorobenzene-d4	11.29
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,4-dimethyl-	156 C12H12	000571-58-4 97
2		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 95
3		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 95
4		Naphthalene, 1,3-dimethyl-	156 C12H12	000575-41-7 95
5		Naphthalene, 1,3-dimethyl-	156 C12H12	000575-41-7 95



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV050219\
Data File : VV010651.D
Acq On : 03 May 2019 07:33
Operator : SY/MD
Sample : K2604-22
Misc : 5.03G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAJ93

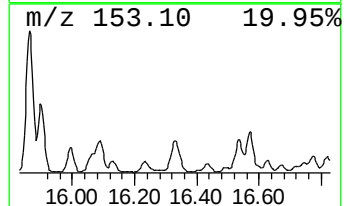
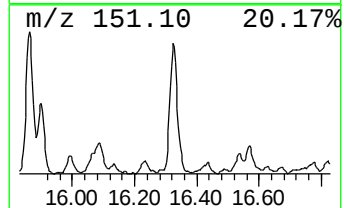
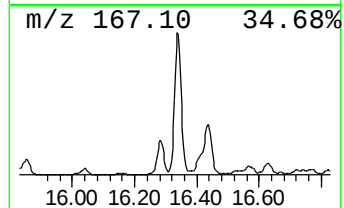
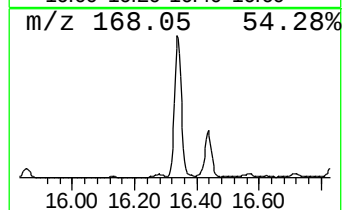
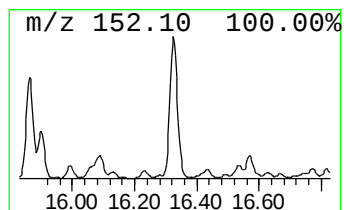
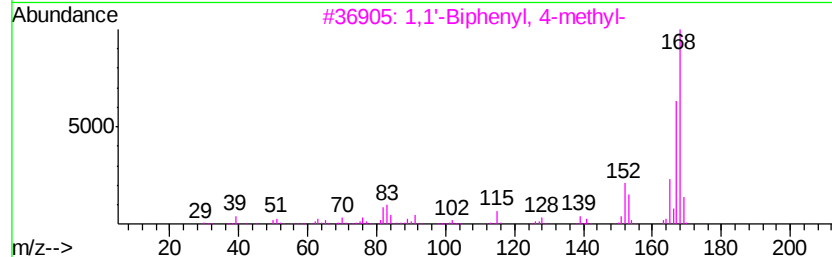
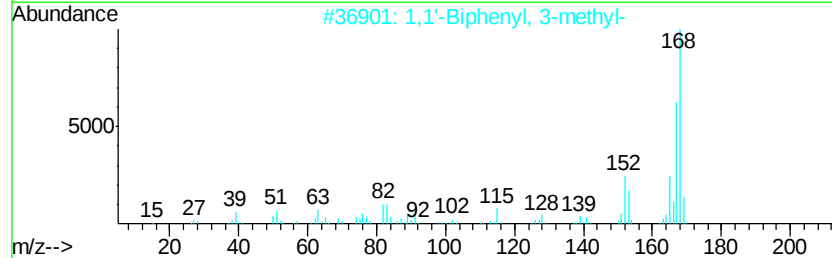
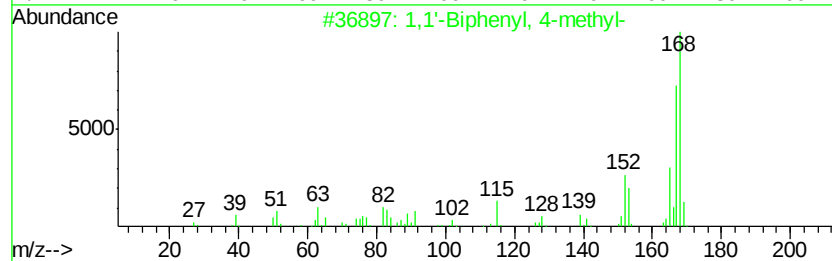
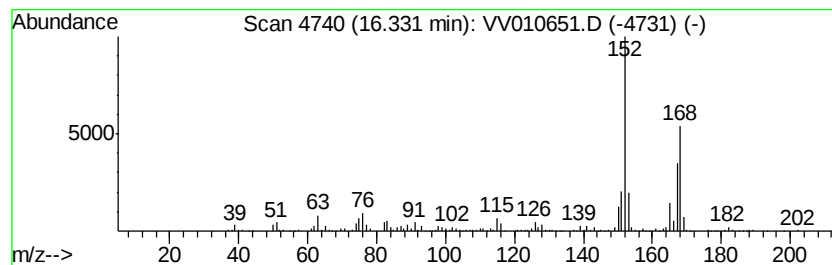
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Quant Title : VOC Analysis

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

Peak Number 32 1,1'-Biphenyl, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.33	24.39 ug/L	418163	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	87
2		1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	87
3		1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	55
4		1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	55
5		1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV050219\
Data File : VV010651.D
Acq On : 03 May 2019 07:33
Operator : SY/MD
Sample : K2604-22
Misc : 5.03G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

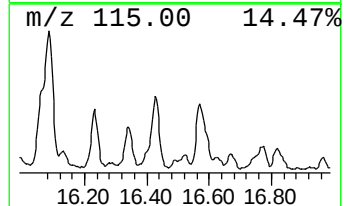
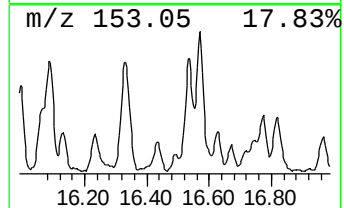
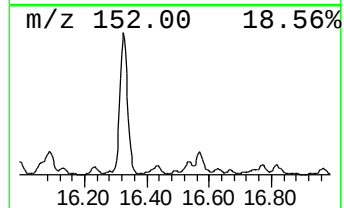
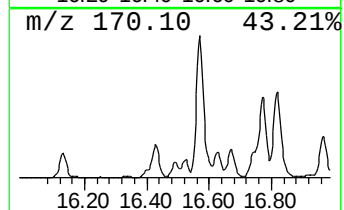
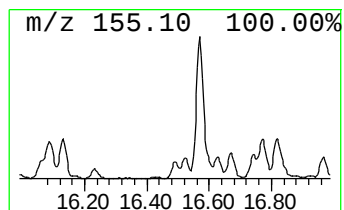
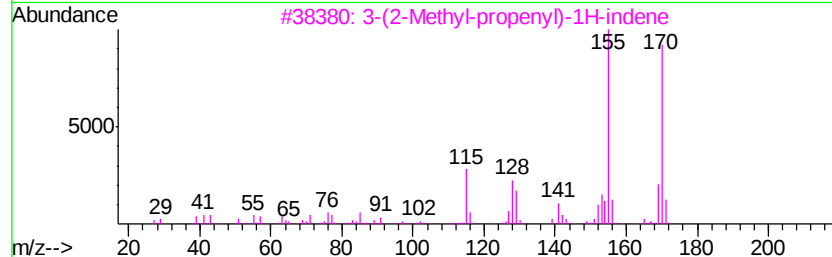
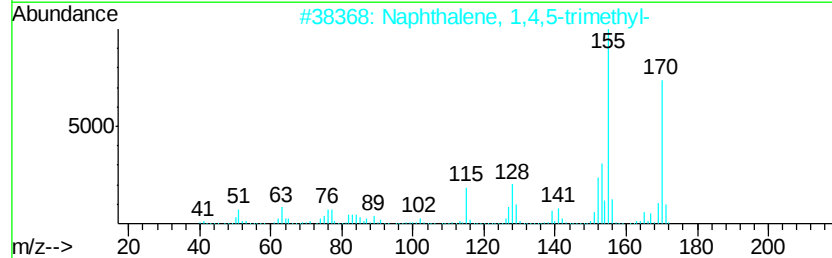
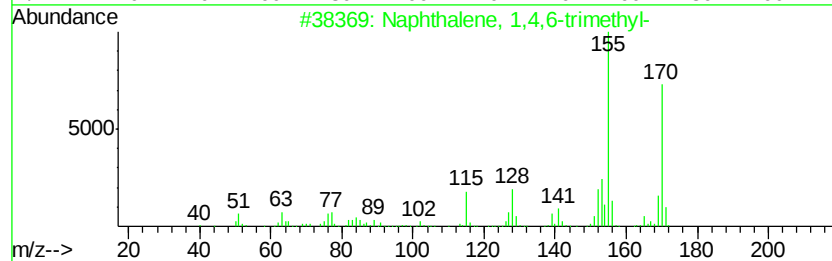
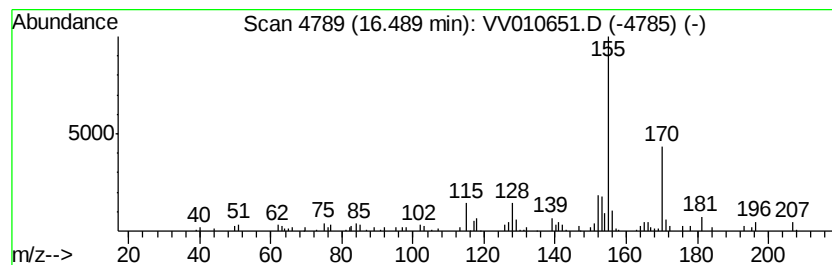
Instrument :
MSVOA_V
ClientSampleId :
GAJ93

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

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

Peak Number 33 Naphthalene, 1,4,6-trimethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.49	1.80 ug/L	30803	1,4-Dichlorobenzene-d4	11.29
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,4,6-trimethyl-	170 C13H14	002131-42-2 83
2		Naphthalene, 1,4,5-trimethyl-	170 C13H14	002131-41-1 78
3		3-(2-Methyl-propenyl)-1H-indene	170 C13H14	1000187-78-5 68
4		Naphthalene, 2-(1-methylethyl)-	170 C13H14	002027-17-0 64
5		Ethanone, 1-(1-Naphthalenyl)-	170 C12H10O	000941-98-0 58



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV050219\
Data File : VV010651.D
Acq On : 03 May 2019 07:33
Operator : SY/MD
Sample : K2604-22
Misc : 5.03G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAJ93

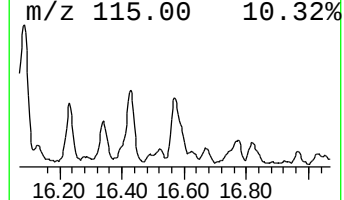
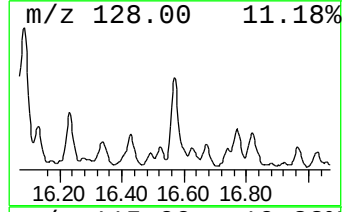
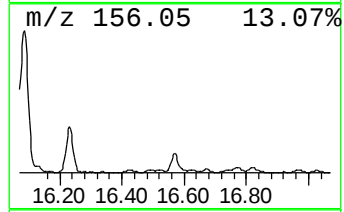
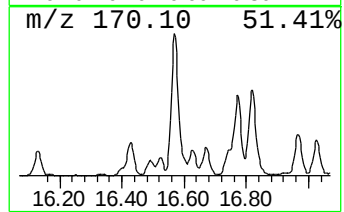
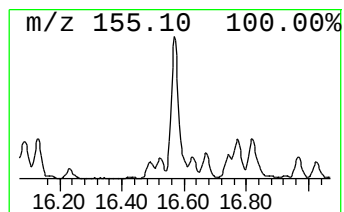
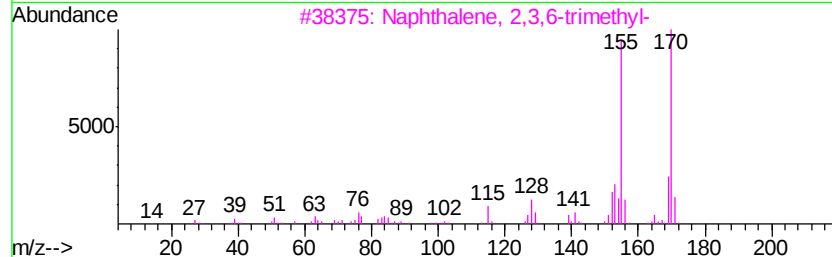
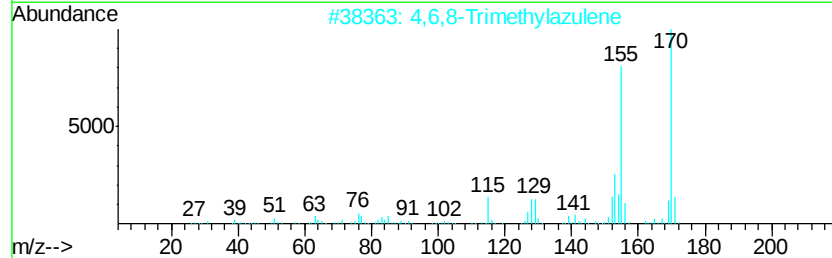
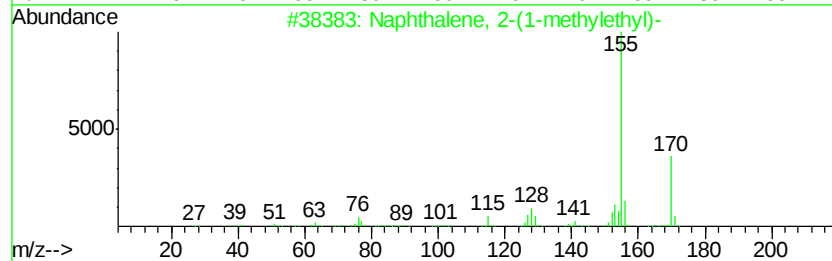
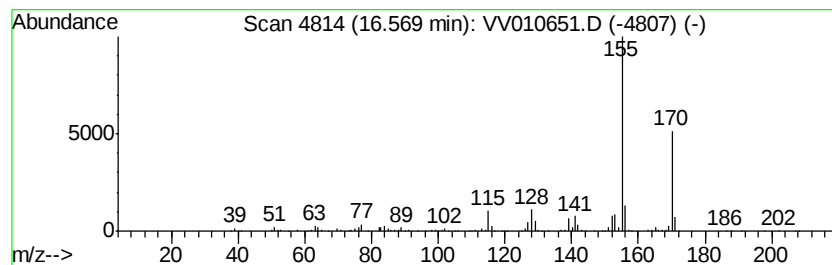
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Quant Title : VOC Analysis

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

Peak Number 34 Naphthalene, 2-(1-methyleth... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.57	20.38 ug/L	349451	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	87
2		4,6,8-Trimethylazulene	170	C13H14	000941-81-1	86
3		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	86
4		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	86
5		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV050219\
Data File : VV010651.D
Acq On : 03 May 2019 07:33
Operator : SY/MD
Sample : K2604-22
Misc : 5.03G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAJ93

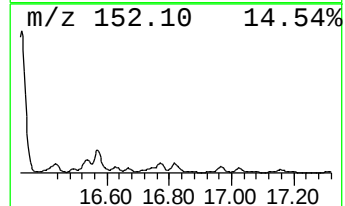
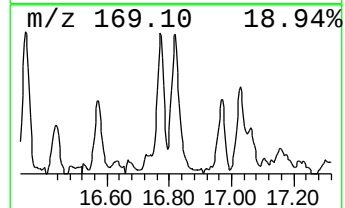
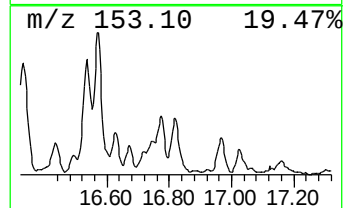
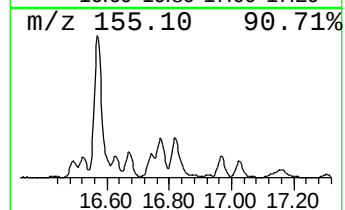
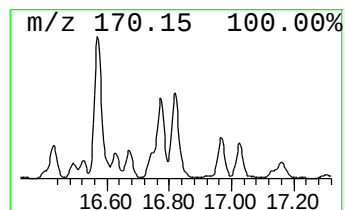
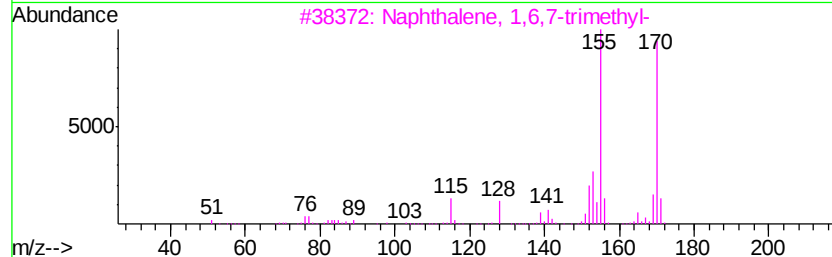
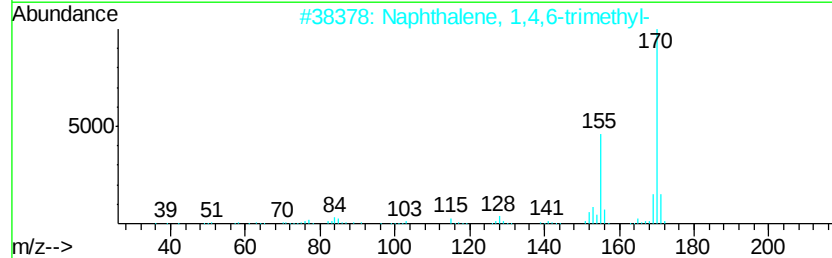
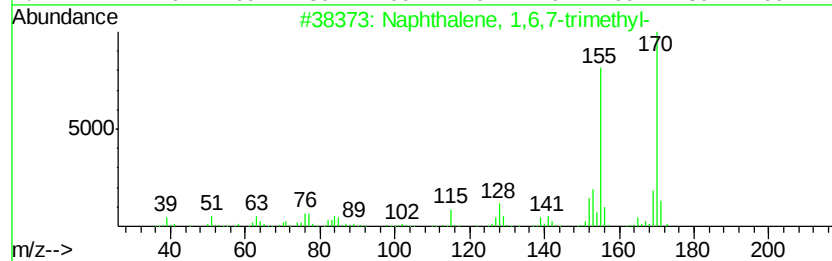
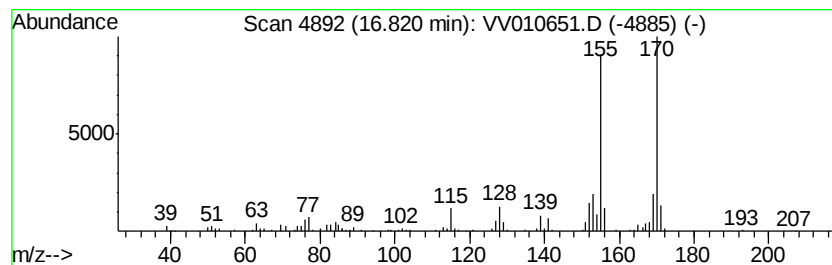
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Quant Title : VOC Analysis

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

Peak Number 36 Naphthalene, 1,6,7-trimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.82	10.03 ug/L	171901	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
2		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
3		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
4		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
5		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV050219\
Data File : VV010651.D
Acq On : 03 May 2019 07:33
Operator : SY/MD
Sample : K2604-22
Misc : 5.03G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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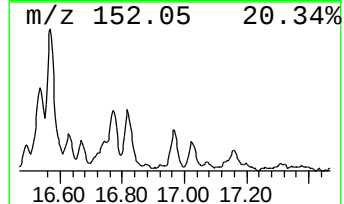
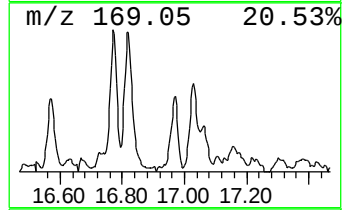
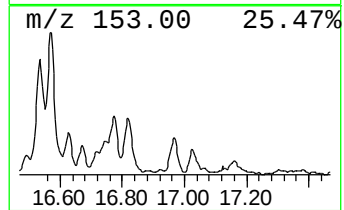
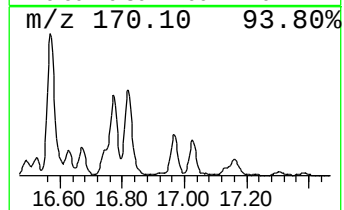
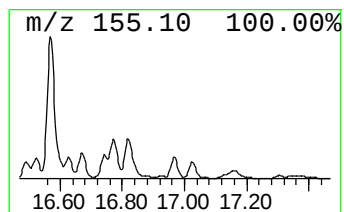
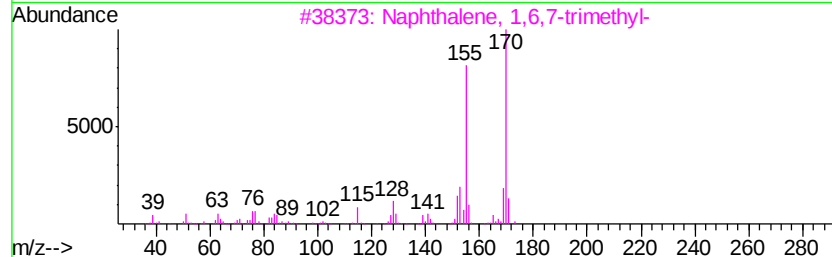
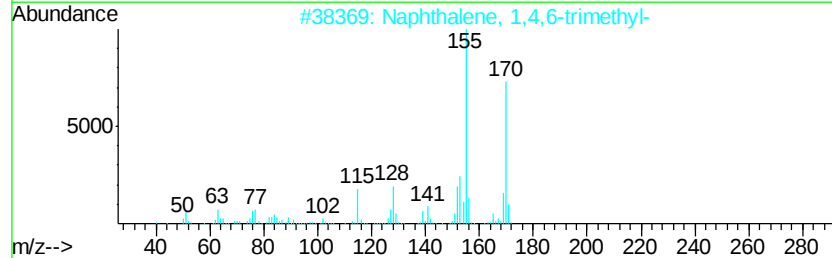
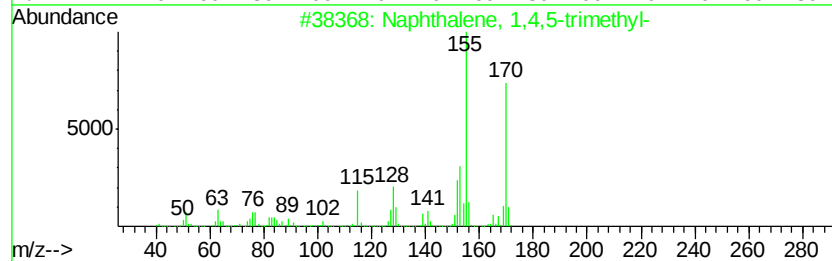
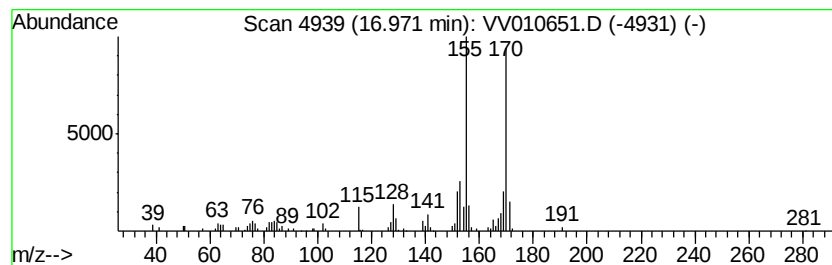
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Quant Title : VOC Analysis

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

Peak Number 37 Naphthalene, 1,4,5-trimethyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.97	4.75 ug/L	81466	1,4-Dichlorobenzene-d4	11.29

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	97
2			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
3			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
4			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
5			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV050219\
Data File : VV010651.D
Acq On : 03 May 2019 07:33
Operator : SY/MD
Sample : K2604-22
Misc : 5.03G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAJ93

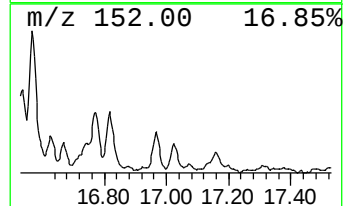
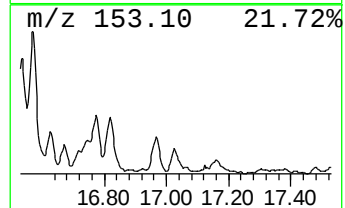
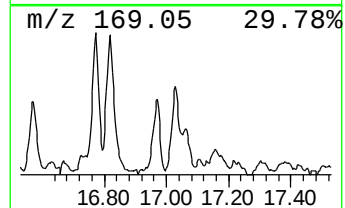
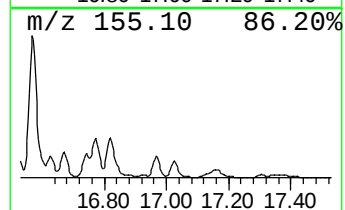
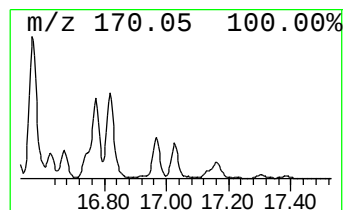
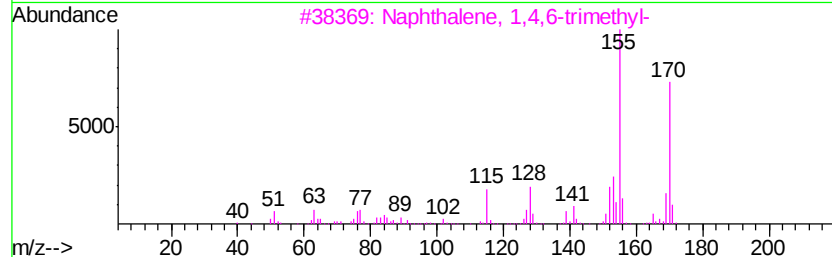
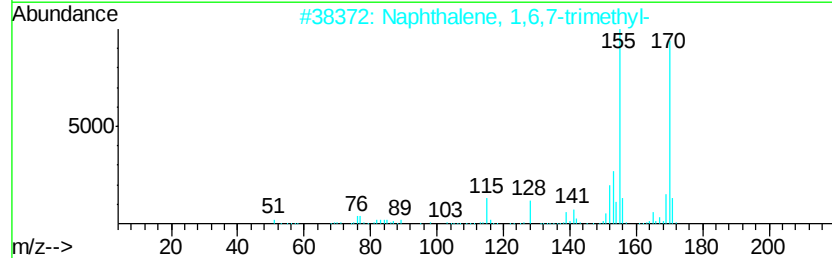
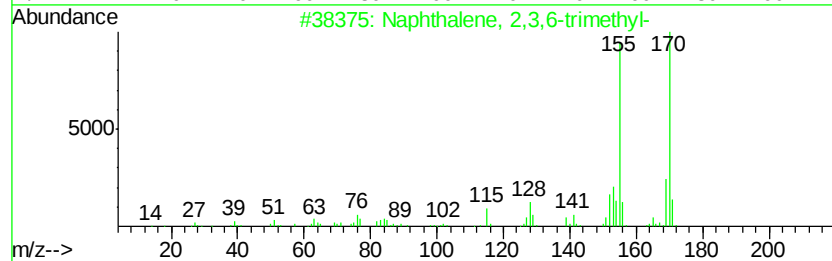
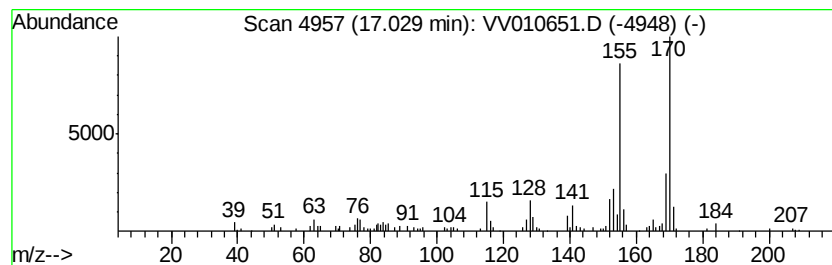
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

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

Peak Number 38 Naphthalene, 2,3,6-trimethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.03	5.81 ug/L	99708	1,4-Dichlorobenzene-d4	11.29

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
2			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
3			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
4			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
5			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050219\
 Data File : VV010651.D
 Acq On : 03 May 2019 07:33
 Operator : SY/MD
 Sample : K2604-22
 Misc : 5.03G/10ML/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAJ93

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
 Quant Title : VOC Analysis

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Benzene, 1-ethyl-...	10.49	10.8	ug/L	184454	3	11.29	428669	25.0
Benzene, 1,2,3-tr...	10.58	6.5	ug/L	111954	3	11.29	428669	25.0
Benzene, 1-ethyl-...	10.78	3.9	ug/L	67062	3	11.29	428669	25.0
Benzene, 1-etheny...	11.03	9.0	ug/L	154249	3	11.29	428669	25.0
Benzene, 1,1'-(1-...	11.08	3.1	ug/L	54009	3	11.29	428669	25.0
Benzene, 2-ethyl-...	11.24	2.7	ug/L	45800	3	11.29	428669	25.0
Benzene, 1,2-diet...	11.59	7.8	ug/L	134627	3	11.29	428669	25.0
Indene	11.79	24.8	ug/L	425037	3	11.29	428669	25.0
Benzene, 2-ethyl-...	11.96	7.4	ug/L	127534	3	11.29	428669	25.0
Benzene, 1-ethyl-...	12.06	14.4	ug/L	247249	3	11.29	428669	25.0
Benzene, (2-methy...	12.24	16.0	ug/L	273644	3	11.29	428669	25.0
Benzene, 1,2,4,5-...	12.51	38.4	ug/L	659157	3	11.29	428669	25.0
2,4-Dimethylstyrene	12.63	15.3	ug/L	262698	3	11.29	428669	25.0
Benzene, 2-butenyl-	12.77	16.9	ug/L	289749	3	11.29	428669	25.0
Benzene, 1-methyl...	12.93	28.3	ug/L	484320	3	11.29	428669	25.0
Benzene, 1-methyl...	13.05	12.1	ug/L	207207	3	11.29	428669	25.0
2-Methylindene	13.10	31.4	ug/L	539253	3	11.29	428669	25.0
Benzene, pentamet...	13.32	21.7	ug/L	372346	3	11.29	428669	25.0
unknown-01	14.14	31.5	ug/L	540254	3	11.29	428669	25.0
Naphthalene, 1-me...	14.68	160.3	ug/L	2748030	3	11.29	428669	25.0
Naphthalene, 1-et...	15.60	51.0	ug/L	875122	3	11.29	428669	25.0
Naphthalene, 2,7-...	15.72	196.5	ug/L	3368600	3	11.29	428669	25.0
Naphthalene, 2,3-...	15.86	120.8	ug/L	2071160	3	11.29	428669	25.0
Naphthalene, 1,4-...	16.23	10.4	ug/L	179188	3	11.29	428669	25.0
1,1'-Biphenyl, 4-...	16.33	24.4	ug/L	418163	3	11.29	428669	25.0
Naphthalene, 1,4,...	16.49	1.8	ug/L	30803	3	11.29	428669	25.0
Naphthalene, 2-(1...	16.57	20.4	ug/L	349451	3	11.29	428669	25.0
Naphthalene, 1,6,...	16.82	10.0	ug/L	171901	3	11.29	428669	25.0
Naphthalene, 1,4,...	16.97	4.8	ug/L	81466	3	11.29	428669	25.0
Naphthalene, 2,3,...	17.03	5.8	ug/L	99708	3	11.29	428669	25.0