

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV041819\
 Data File : VV010392.D
 Acq On : 19 Apr 2019 19:32
 Operator : SY/MD
 Sample : K2456-07
 Misc : 5.09G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAHP5

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\SOM2VLM041819S.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	1.319	64	71	82	rVB	177522	183551	0.11%	0.026%
2	1.579	144	152	166	rBV	138131	174409	0.11%	0.025%
3	2.126	312	322	334	rBV	361745	513903	0.31%	0.074%
4	2.312	373	380	389	rBV3	5365	8132	0.00%	0.001%
5	2.537	438	450	465	rBV	63008	110089	0.07%	0.016%
6	2.791	522	529	530	rBV3	2829	2493	0.00%	0.000%
7	3.071	607	616	628	rBV5	6976	13963	0.01%	0.002%
8	3.228	658	665	671	rBV5	1703	2065	0.00%	0.000%
9	3.936	874	885	913	rBV2	35931	100051	0.06%	0.014%
10	4.132	931	946	969	rBV2	15971	41550	0.03%	0.006%
11	4.402	1011	1030	1054	rBV2	211704	548636	0.33%	0.079%
12	4.653	1102	1108	1110	rBV4	1649	1944	0.00%	0.000%
13	4.714	1123	1127	1132	rBV7	1996	1887	0.00%	0.000%
14	5.097	1227	1246	1286	rBV2	495921	1224994	0.74%	0.176%
15	5.280	1292	1303	1309	rBV9	2108	3619	0.00%	0.001%
16	5.662	1408	1422	1446	rBV	502095	990618	0.60%	0.143%
17	5.952	1501	1512	1514	rBV8	5095	7118	0.00%	0.001%
18	6.116	1546	1563	1590	rBV	284275	587990	0.36%	0.085%
19	6.563	1692	1702	1706	rBV5	1879	2478	0.00%	0.000%
20	6.695	1734	1743	1744	rBV5	3021	3080	0.00%	0.000%
21	6.823	1770	1783	1793	rBV7	6151	12168	0.01%	0.002%
22	7.029	1835	1847	1871	rBV2	152503	276721	0.17%	0.040%
23	7.277	1918	1924	1925	rBV	2348	1833	0.00%	0.000%
24	7.360	1937	1950	1964	rBV	604763	1045432	0.63%	0.150%
25	7.434	1967	1973	1985	rVB	20601	36365	0.02%	0.005%
26	7.518	1992	1999	2008	rVB5	3101	4873	0.00%	0.001%
27	7.662	2033	2044	2061	rBV2	98799	169856	0.10%	0.024%
28	7.887	2110	2114	2120	rBV5	2559	2759	0.00%	0.000%
29	7.977	2135	2142	2148	rVV5	6305	10381	0.01%	0.001%
30	8.022	2149	2156	2164	rVB7	13173	20240	0.01%	0.003%
31	8.132	2179	2190	2213	rBV	138741	251832	0.15%	0.036%
32	8.289	2232	2239	2248	rVB7	4934	7900	0.00%	0.001%
33	8.894	2414	2427	2451	rBV	721590	1189363	0.72%	0.171%
34	9.058	2467	2478	2489	rBV	37530	63644	0.04%	0.009%

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 Title : VOC Analysis

35	9.180	2503	2516	2531	rBV	621463	1012834	0.61%	0.146%
36	9.360	2568	2572	2578	rBV6	1684	2093	0.00%	0.000%
37	9.592	2631	2644	2668	rBV4	473950	1028543	0.62%	0.148%
38	9.759	2688	2696	2700	rBV9	2865	4644	0.00%	0.001%
39	9.849	2717	2724	2734	rVB9	4611	6994	0.00%	0.001%
40	9.974	2753	2763	2782	rVB2	30808	55953	0.03%	0.008%
41	10.058	2786	2789	2795	rVB4	2860	1936	0.00%	0.000%
42	10.109	2797	2805	2809	rBV7	3864	5585	0.00%	0.001%
43	10.260	2841	2852	2864	rBV	244953	389212	0.24%	0.056%
44	10.321	2864	2871	2881	rVV3	32258	49163	0.03%	0.007%
45	10.395	2884	2894	2911	rVV	117535	204243	0.12%	0.029%
46	10.492	2912	2924	2940	rVV	867898	1774495	1.07%	0.255%
47	10.582	2941	2952	2981	rVB	1831483	2911188	1.76%	0.419%
48	10.717	2986	2994	3000	rBV	6057	10566	0.01%	0.002%
49	10.781	3003	3014	3019	rBV	418773	670848	0.41%	0.097%
50	10.958	3052	3069	3081	rBV	5743725	8669085	5.25%	1.247%
51	11.029	3081	3091	3100	rVV	5529426	8039925	4.87%	1.157%
52	11.077	3100	3106	3118	rVV	1865884	2723828	1.65%	0.392%
53	11.138	3120	3125	3135	rVB4	78279	111810	0.07%	0.016%
54	11.241	3149	3157	3164	rBV2	120364	166615	0.10%	0.024%
55	11.296	3164	3174	3183	rBV	791307	1219479	0.74%	0.175%
56	11.382	3191	3201	3210	rBV	2362666	3459830	2.09%	0.498%
57	11.440	3211	3219	3232	rVB	882693	1291786	0.78%	0.186%
58	11.575	3250	3261	3269	rBV3	847212	1636786	0.99%	0.235%
59	11.620	3271	3275	3283	rVB	620019	744964	0.45%	0.107%
60	11.685	3283	3295	3307	rVB4	2065738	4007171	2.43%	0.576%
61	11.743	3308	3313	3318	rBV	99601	118103	0.07%	0.017%
62	11.791	3318	3328	3337	rBV	5968550	8809466	5.33%	1.267%
63	11.961	3370	3381	3383	rBV	1133208	1579026	0.96%	0.227%
64	12.038	3396	3405	3408	rBV	1624047	2331698	1.41%	0.335%
65	12.119	3423	3430	3440	rVB	1675993	2719048	1.65%	0.391%
66	12.241	3458	3468	3478	rVB	9726300	14437825	8.74%	2.077%
67	12.299	3478	3486	3497	rVB2	2562013	3759047	2.28%	0.541%
68	12.363	3499	3506	3516	rVB	593283	843646	0.51%	0.121%
69	12.460	3527	3536	3544	rBV	2874498	4176867	2.53%	0.601%
70	12.514	3544	3553	3566	rBV3	5580788	10852482	6.57%	1.561%
71	12.636	3583	3591	3603	rBV2	6410144	10645251	6.44%	1.531%

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72	12.775	3626	3634	3643	rVB	1812985	2537235	1.54%	0.365%
73	12.845	3650	3656	3664	rVB2	398536	533096	0.32%	0.077%
74	12.932	3666	3683	3693	rVV3	9249694	15675213	9.49%	2.255%
75	12.997	3694	3703	3714	rVB	13506088	20852696	12.62%	3.000%
76	13.106	3725	3737	3753	rVB2	18666164	32065251	19.41%	4.613%
77	13.193	3755	3764	3779	rVB2	3027356	5658200	3.43%	0.814%
78	13.325	3798	3805	3811	rBV4	1546435	2096459	1.27%	0.302%
79	13.569	3867	3881	3893	rVB2	54597939	112467102	68.08%	16.180%
80	13.955	3993	4001	4008	rBV2	4399796	6608120	4.00%	0.951%
81	14.148	4051	4061	4070	rBV2	5683064	10197588	6.17%	1.467%
82	14.273	4093	4100	4116	rVB2	4289960	8721483	5.28%	1.255%
83	14.633	4205	4212	4218	rBV	1406990	2045109	1.24%	0.294%
84	14.710	4219	4236	4247	rVB4	70432050	165201707	100.00%	23.767%
85	14.887	4276	4291	4303	rBV2	55568947	105790900	64.04%	15.220%
86	15.414	4447	4455	4464	rVB	3823782	5302419	3.21%	0.763%
87	15.604	4506	4514	4521	rBV	3658901	5286493	3.20%	0.761%
88	15.720	4538	4550	4565	rBV	19433997	33685836	20.39%	4.846%
89	15.868	4585	4596	4602	rBV	15595883	24267612	14.69%	3.491%
90	15.903	4603	4607	4620	rVB	7688210	10240435	6.20%	1.473%
91	15.996	4627	4636	4646	rVB	2404115	3573751	2.16%	0.514%
92	16.064	4648	4657	4659	rBV2	1839646	2343866	1.42%	0.337%
93	16.234	4701	4710	4723	rBV	1192286	1819615	1.10%	0.262%
94	16.328	4728	4739	4756	rVB	4203070	7350525	4.45%	1.057%
95	16.540	4797	4805	4811	rBV	533619	823595	0.50%	0.118%
96	16.823	4886	4893	4911	rVB3	224408	458454	0.28%	0.066%
97	16.967	4930	4938	4948	rVB	245020	377332	0.23%	0.054%
98	17.029	4950	4957	4966	rVB3	141061	204141	0.12%	0.029%
99	17.315	5040	5046	5061	rVB3	96171	166823	0.10%	0.024%
100	17.450	5078	5088	5105	rVB2	352315	649959	0.39%	0.094%

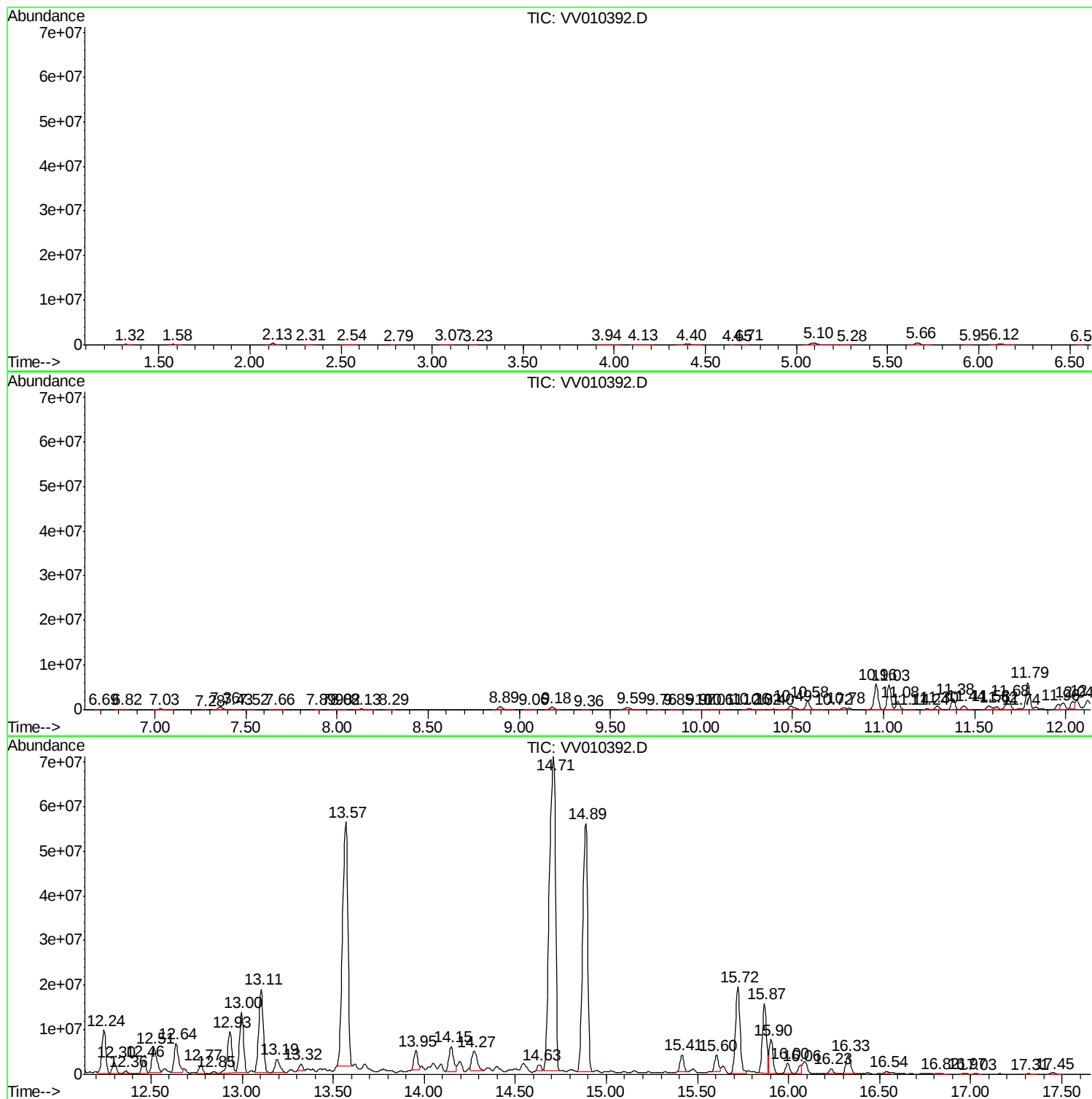
Sum of corrected areas: 695088987

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
Quant Title : VOC Analysis

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



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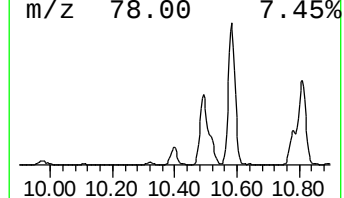
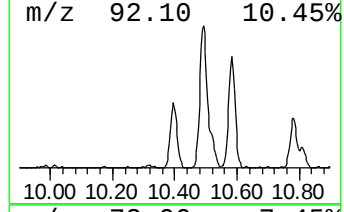
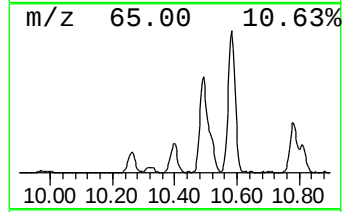
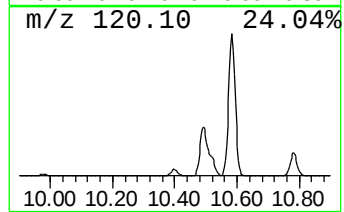
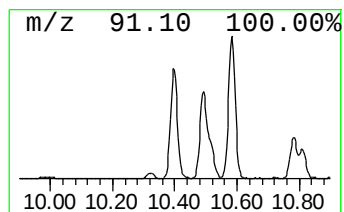
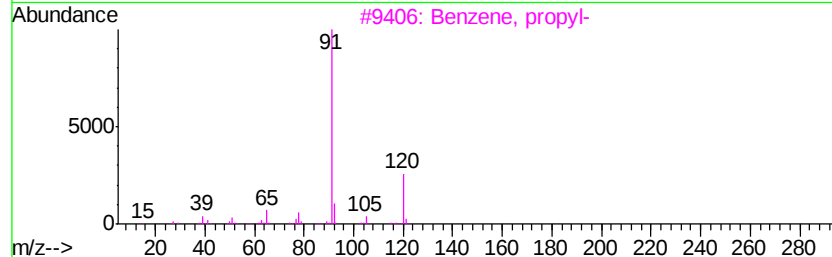
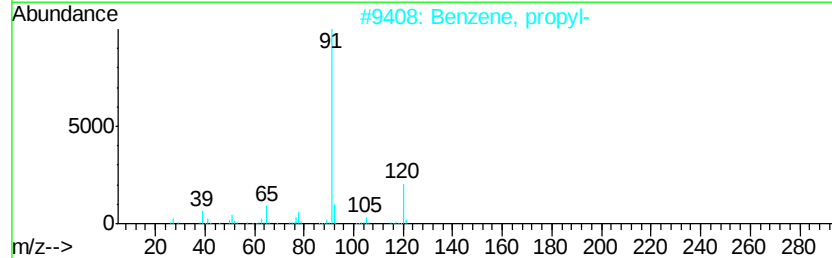
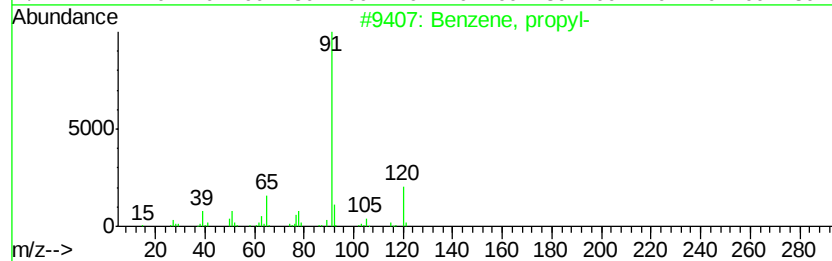
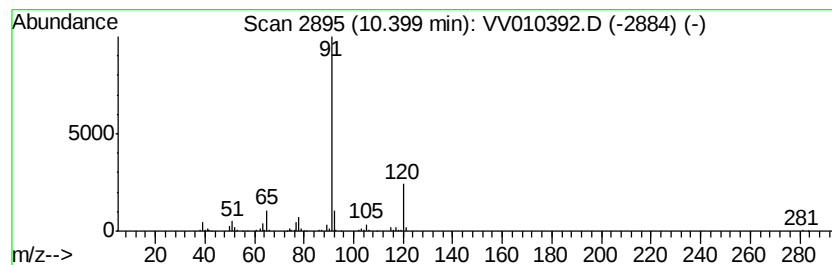
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
Quant Title : VOC Analysis

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

Peak Number 2 Benzene, propyl- Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.40	4.19 ug/L	204243	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, propyl-	120	C9H12	000103-65-1	90
2		Benzene, propyl-	120	C9H12	000103-65-1	87
3		Benzene, propyl-	120	C9H12	000103-65-1	83
4		Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	64
5		Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	64



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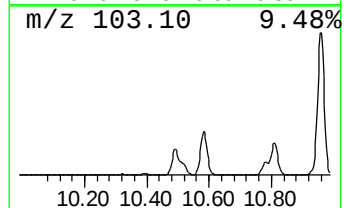
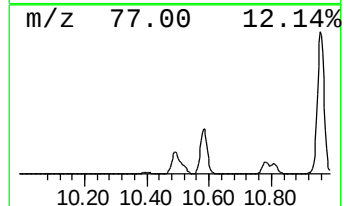
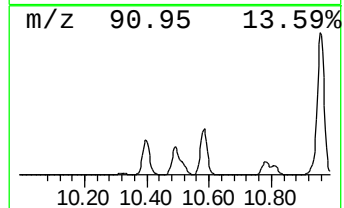
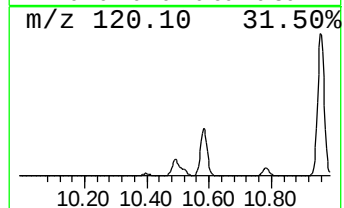
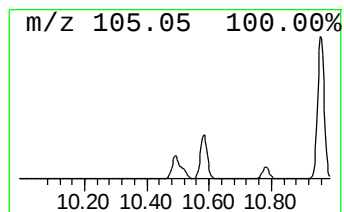
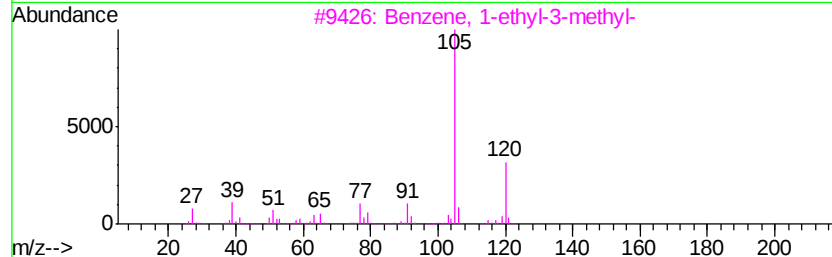
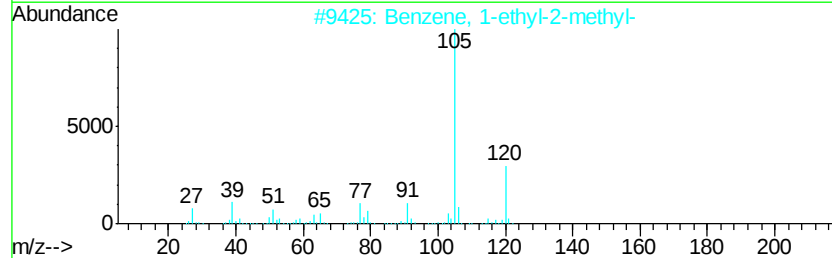
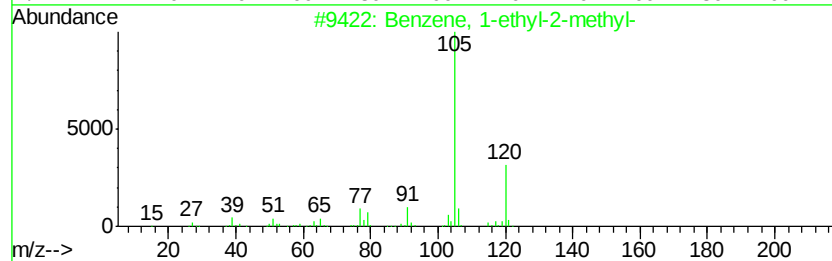
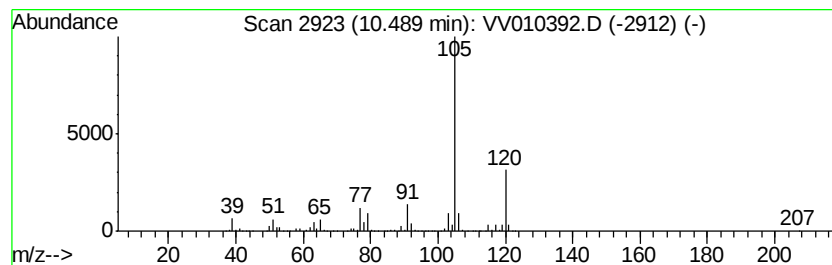
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Quant Title : VOC Analysis

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

Peak Number 3 Benzene, 1-ethyl-2-methyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	36.38 ug/L	1774500	1,4-Dichlorobenzene-d4	11.30

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	95
3		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
4		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94



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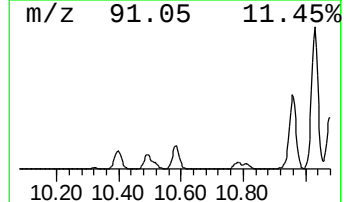
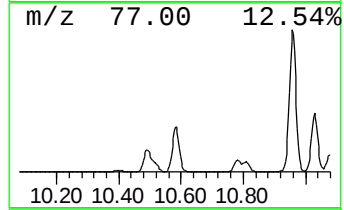
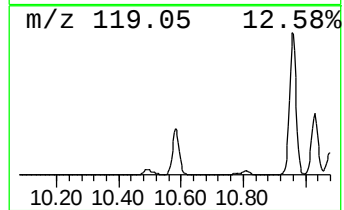
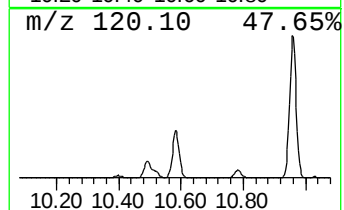
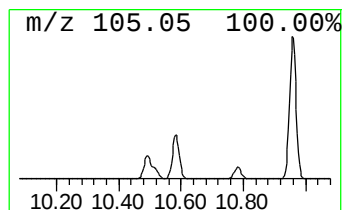
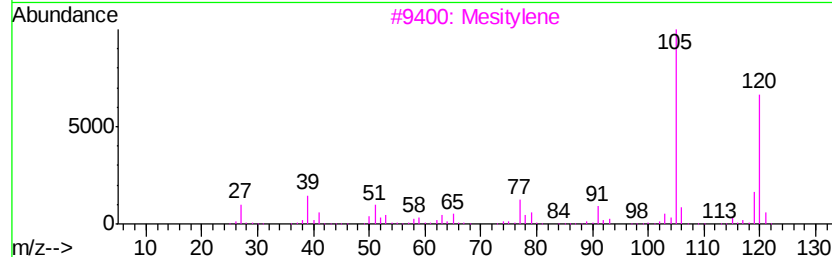
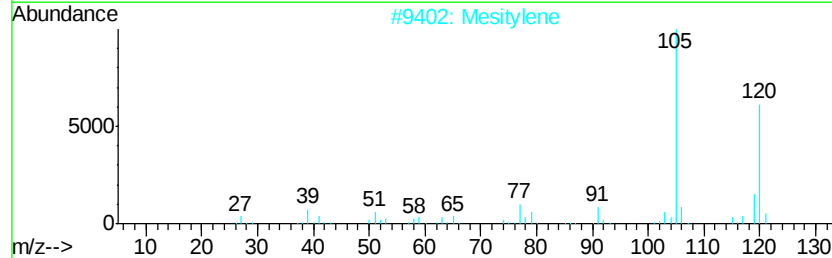
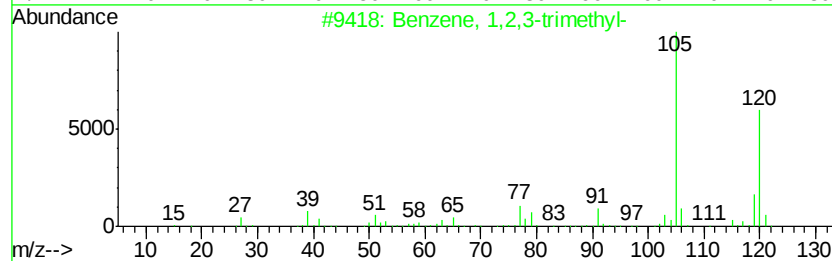
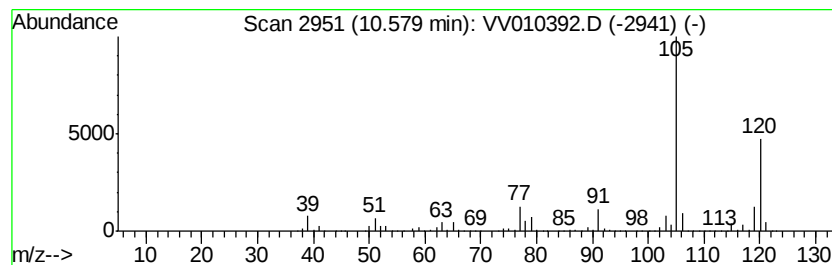
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Quant Title : VOC Analysis

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

Peak Number 4 Benzene, 1,2,3-trimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	59.68 ug/L	2911190	1,4-Dichlorobenzene-d4	11.30

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2		Mesitylene	120	C9H12	000108-67-8	97
3		Mesitylene	120	C9H12	000108-67-8	94
4		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
5		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV041819\
Data File : VV010392.D
Acq On : 19 Apr 2019 19:32
Operator : SY/MD
Sample : K2456-07
Misc : 5.09G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAHP5

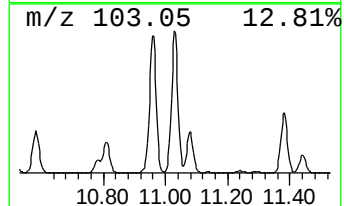
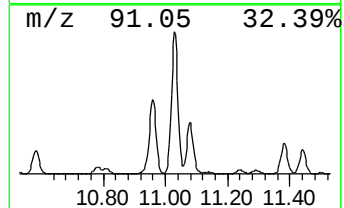
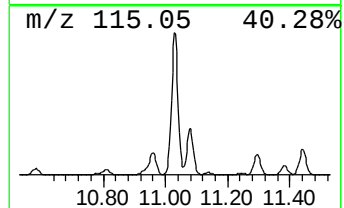
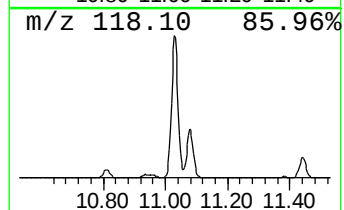
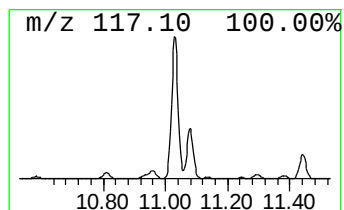
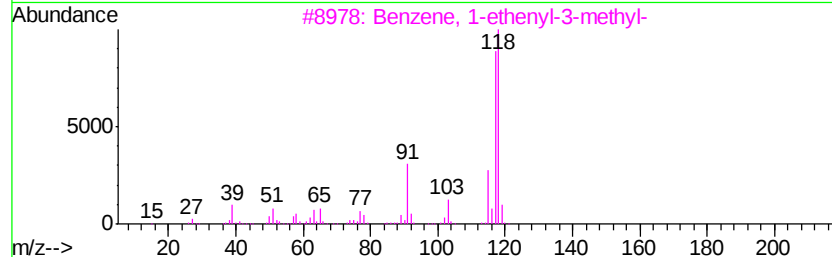
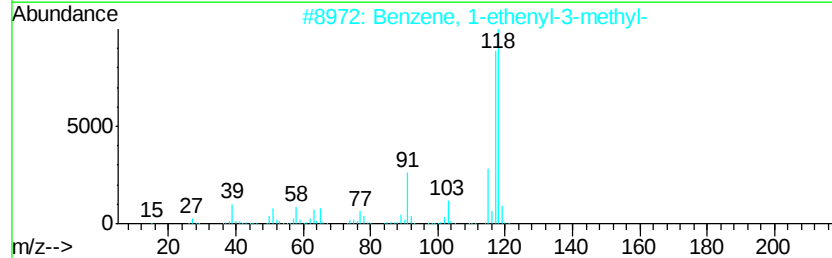
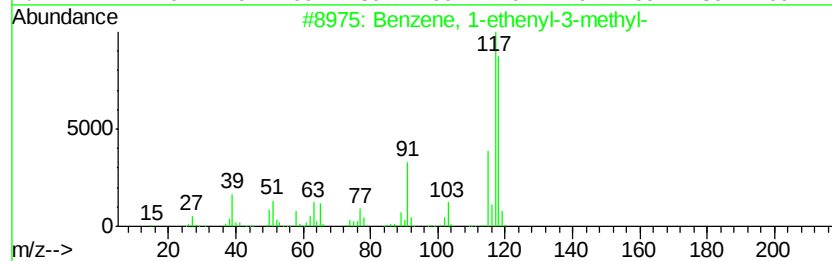
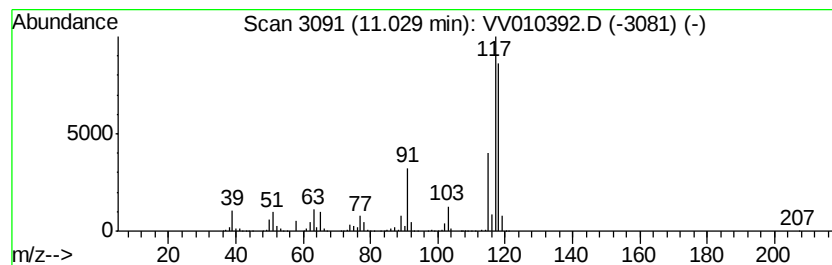
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Quant Title : VOC Analysis

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

Peak Number 7 Benzene, 1-ethenyl-3-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.03	164.82 ug/L	8039930	1,4-Dichlorobenzene-d4	11.30

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, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV041819\
Data File : VV010392.D
Acq On : 19 Apr 2019 19:32
Operator : SY/MD
Sample : K2456-07
Misc : 5.09G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

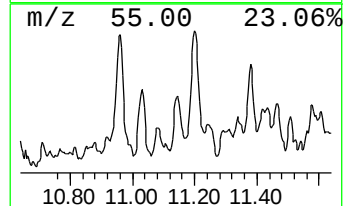
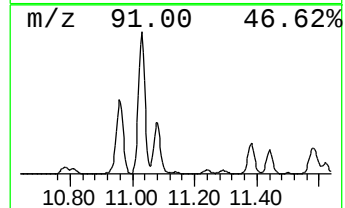
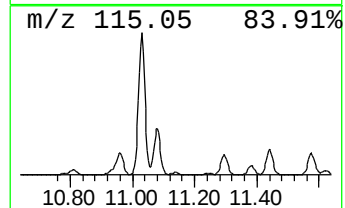
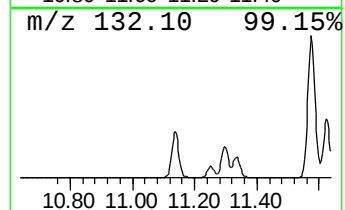
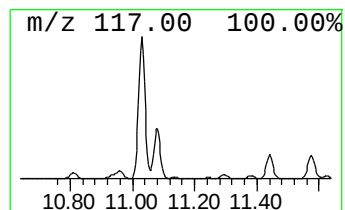
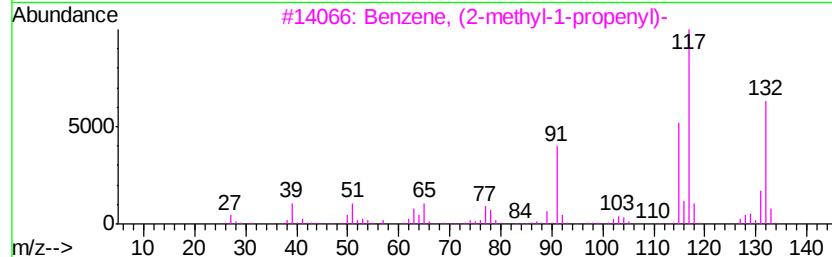
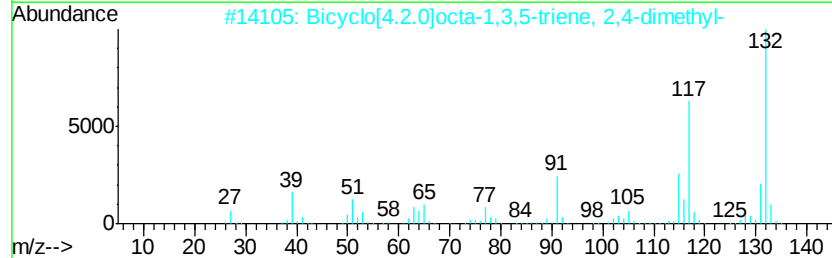
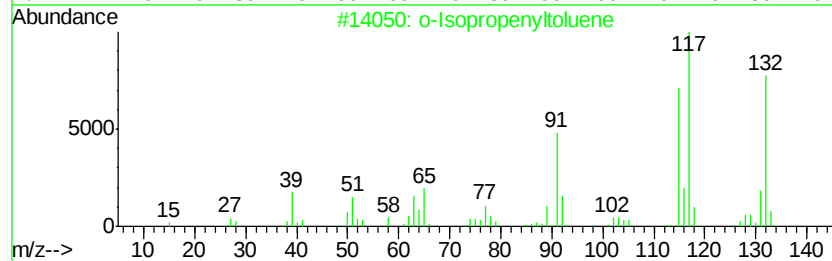
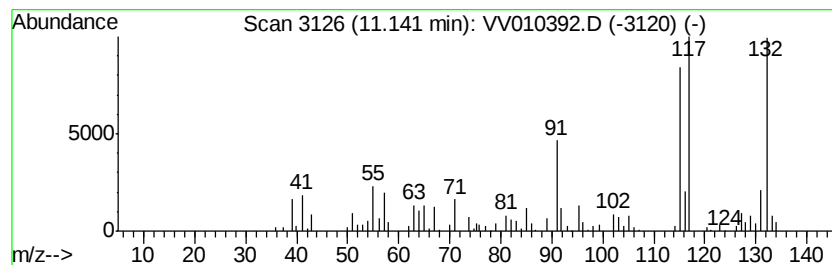
Instrument :
MSVOA_V
ClientSampleId :
GAHP5

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Quant Title : VOC Analysis

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

Peak Number 9 o-Isopropenyltoluene Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	2.29 ug/L	111810	1,4-Dichlorobenzene-d4	11.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		o-Isopropenyltoluene	132 C10H12	007399-49-7 94
2		Bicyclo[4.2.0]octa-1,3,5-triene,...	132 C10H12	028749-81-7 93
3		Benzene, (2-methyl-1-propenyl)-	132 C10H12	000768-49-0 81
4		Benzene, (2-methyl-1-propenyl)-	132 C10H12	000768-49-0 81
5		Benzene, 2-ethenyl-1,4-dimethyl-	132 C10H12	002039-89-6 81



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV041819\
Data File : VV010392.D
Acq On : 19 Apr 2019 19:32
Operator : SY/MD
Sample : K2456-07
Misc : 5.09G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

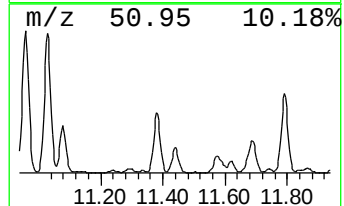
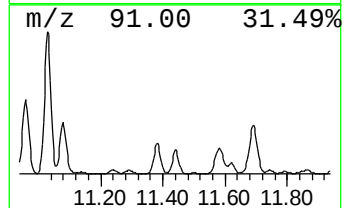
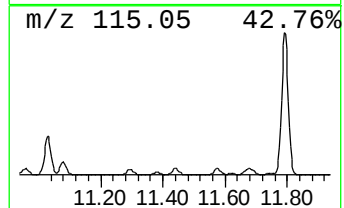
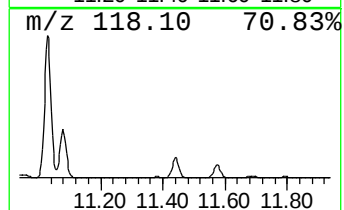
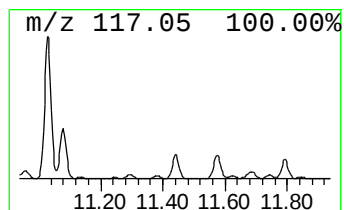
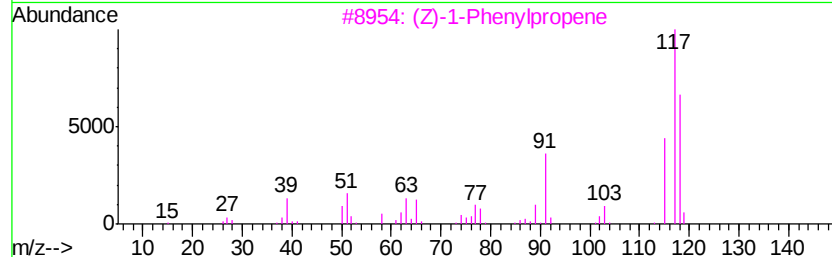
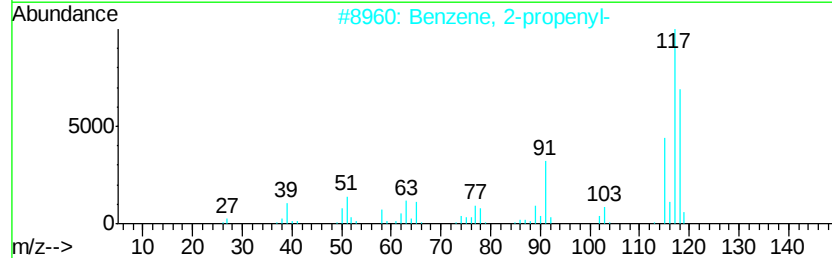
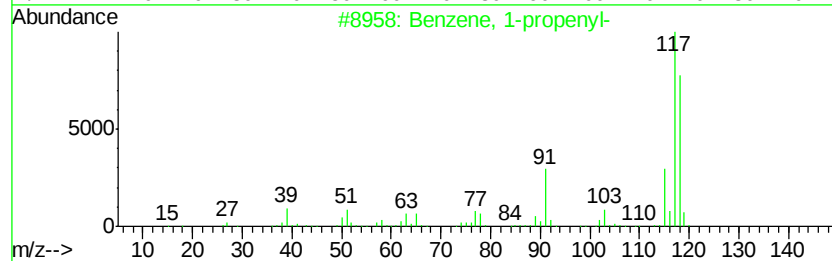
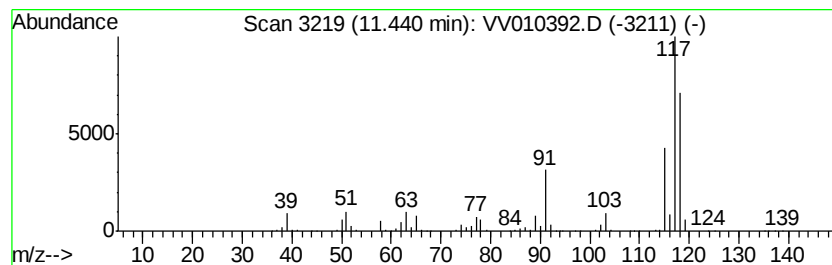
Instrument :
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ClientSampleId :
GAHP5

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Quant Title : VOC Analysis

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

Peak Number 12 Benzene, 1-propenyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.44	26.48 ug/L	1291790	1,4-Dichlorobenzene-d4	11.30
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 93
3		(Z)-1-Phenylpropene	118 C9H10	000766-90-5 93
4		Benzene, cyclopropyl-	118 C9H10	000873-49-4 93
5		Benzene, 1-ethenyl-2-methyl-	118 C9H10	000611-15-4 92



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV041819\
Data File : VV010392.D
Acq On : 19 Apr 2019 19:32
Operator : SY/MD
Sample : K2456-07
Misc : 5.09G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAHP5

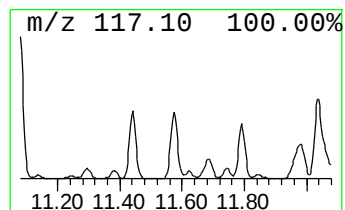
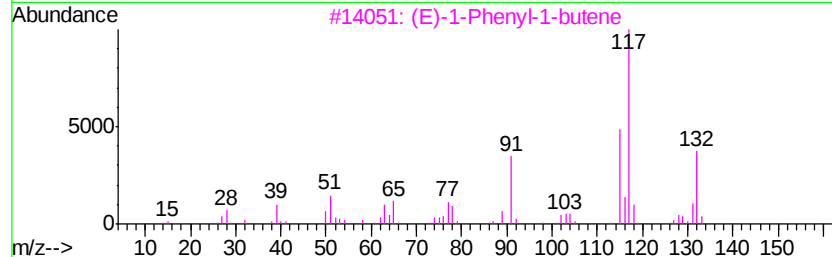
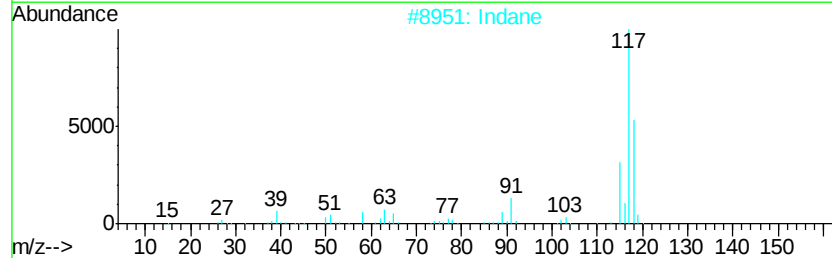
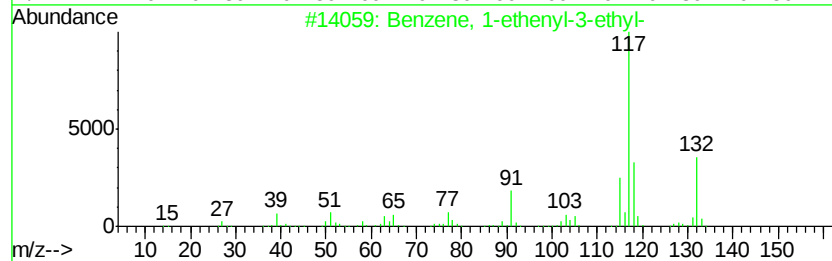
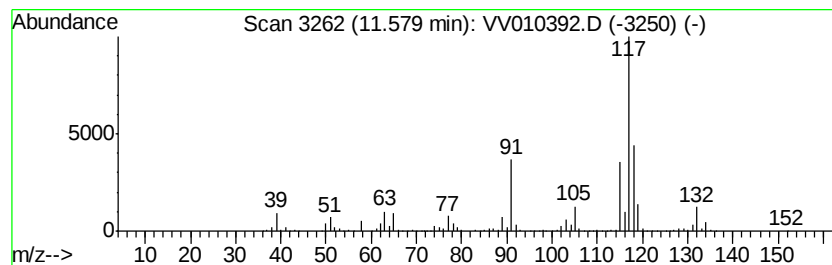
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Quant Title : VOC Analysis

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

Peak Number 13 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.58	33.56 ug/L	1636790	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	83
2		Indane	118	C9H10	000496-11-7	81
3		(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	70
4		Indan, 1-methyl-	132	C10H12	000767-58-8	70
5		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV041819\
Data File : VV010392.D
Acq On : 19 Apr 2019 19:32
Operator : SY/MD
Sample : K2456-07
Misc : 5.09G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAHP5

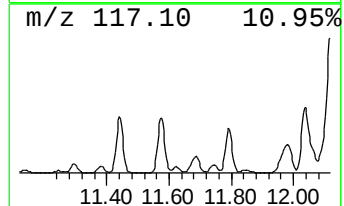
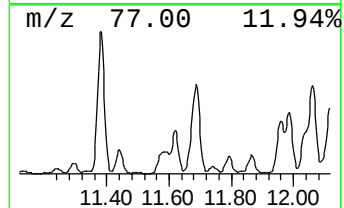
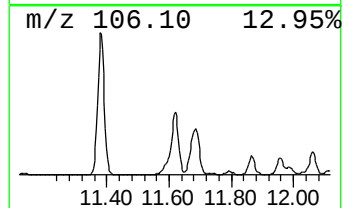
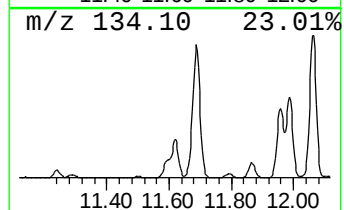
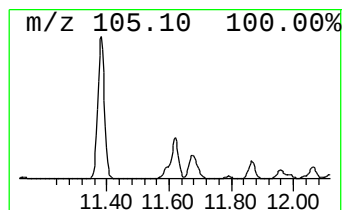
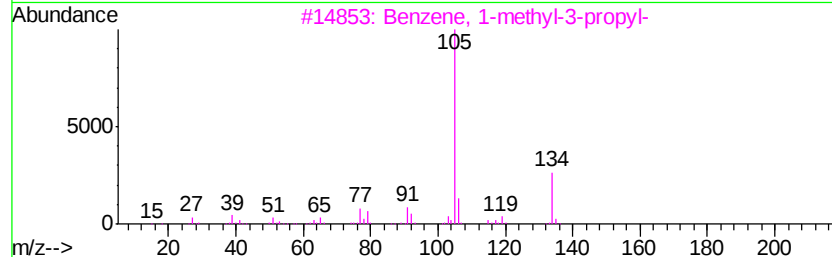
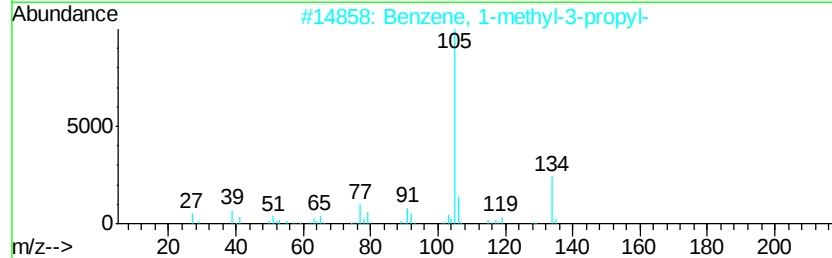
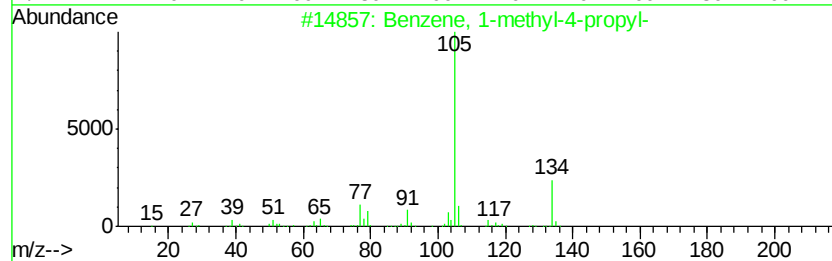
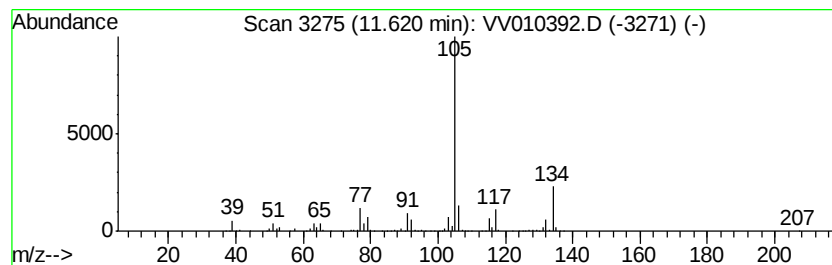
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Quant Title : VOC Analysis

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

Peak Number 14 Benzene, 1-methyl-4-propyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	15.27 ug/L	744964	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	87
2		Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	87
3		Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	83
4		Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	83
5		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV041819\
Data File : VV010392.D
Acq On : 19 Apr 2019 19:32
Operator : SY/MD
Sample : K2456-07
Misc : 5.09G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAHP5

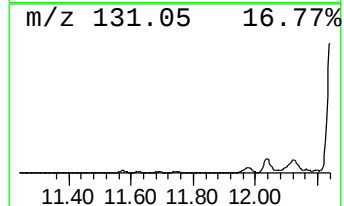
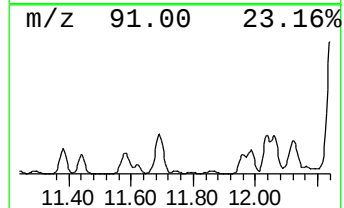
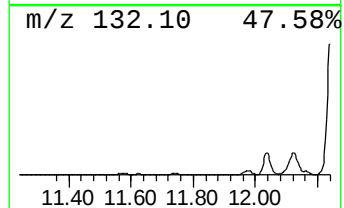
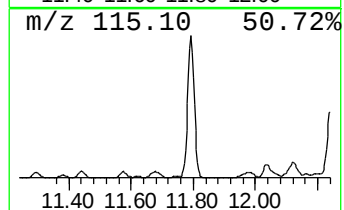
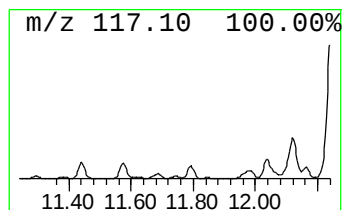
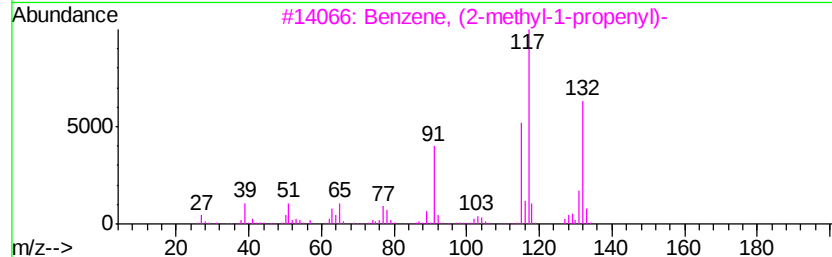
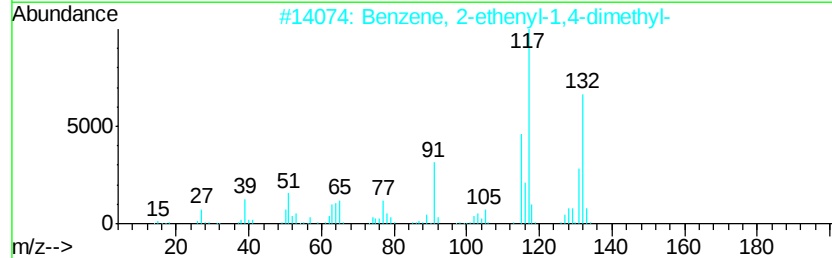
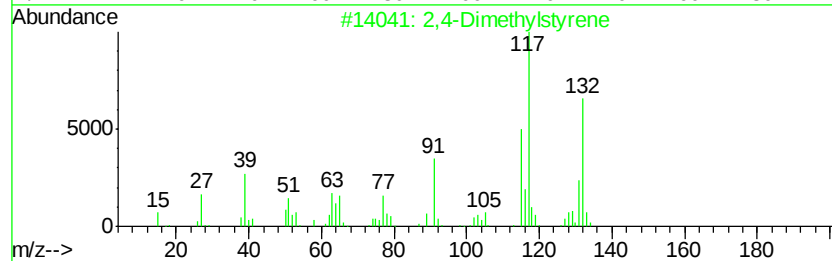
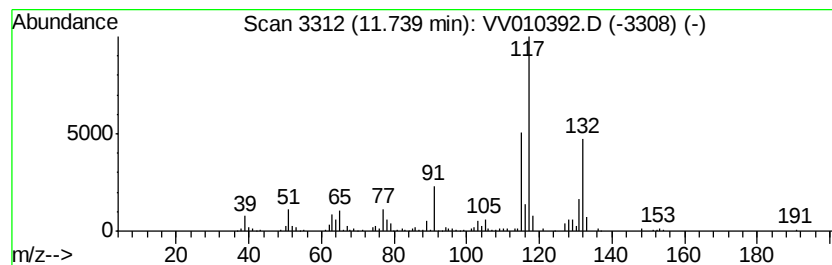
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Quant Title : VOC Analysis

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

Peak Number 15 2,4-Dimethylstyrene Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	2.42 ug/L	118103	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,4-Dimethylstyrene	132	C10H12	002234-20-0	94
2		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
3		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	91
4		(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	91
5		1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV041819\
Data File : VV010392.D
Acq On : 19 Apr 2019 19:32
Operator : SY/MD
Sample : K2456-07
Misc : 5.09G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
GAHP5

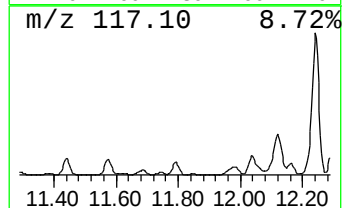
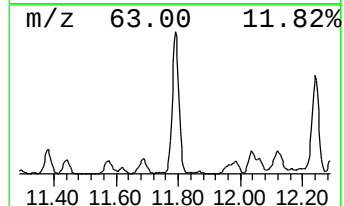
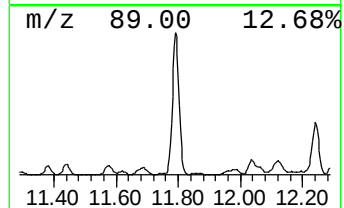
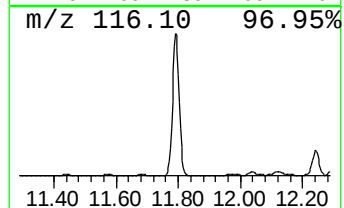
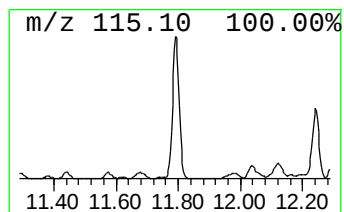
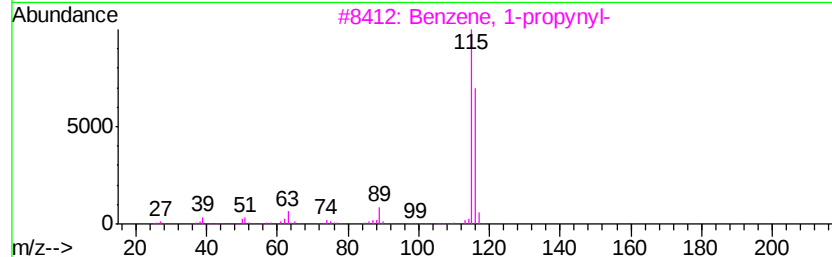
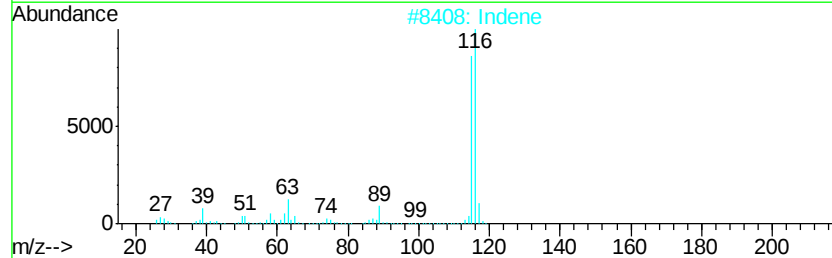
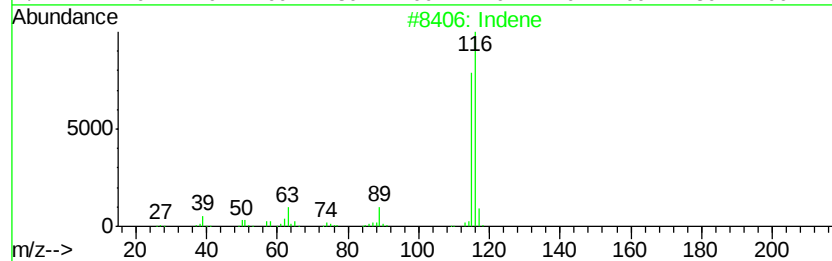
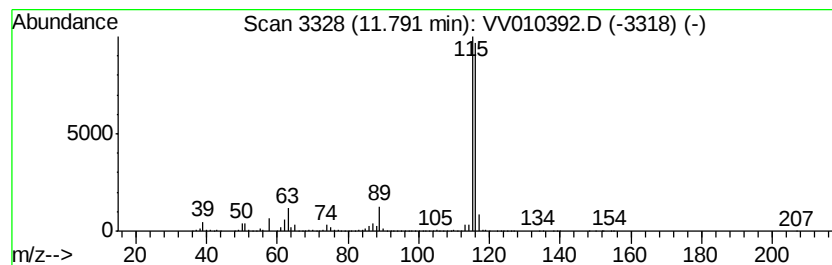
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Quant Title : VOC Analysis

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

Peak Number 16 Indene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	180.60 ug/L	8809470	1,4-Dichlorobenzene-d4	11.30

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:\voasrv\HPCHEM1\MSVOA V\Data\VV041819\
Data File : VV010392.D
Acq On : 19 Apr 2019 19:32
Operator : SY/MD
Sample : K2456-07
Misc : 5.09G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAHP5

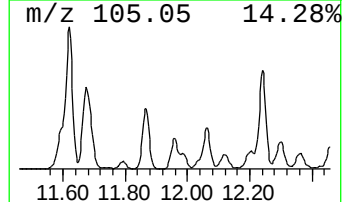
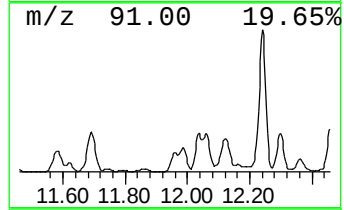
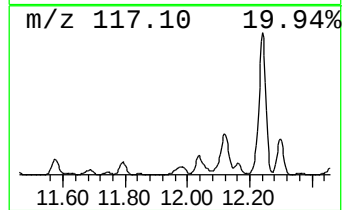
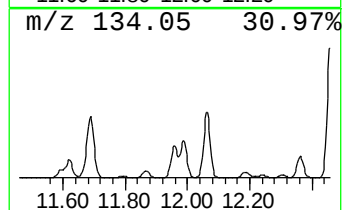
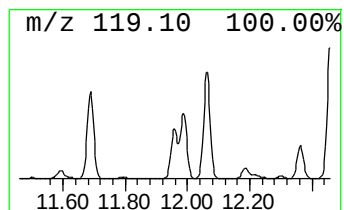
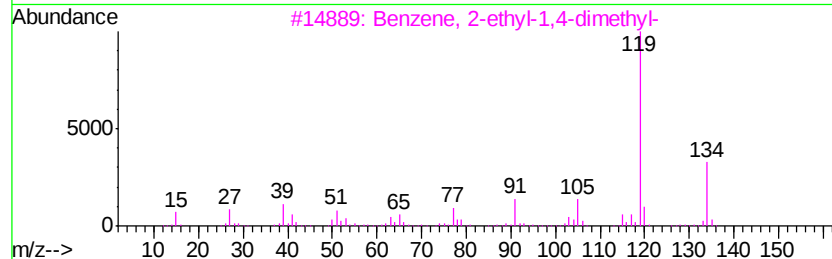
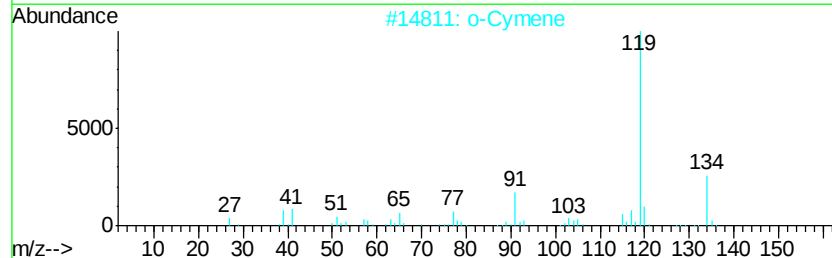
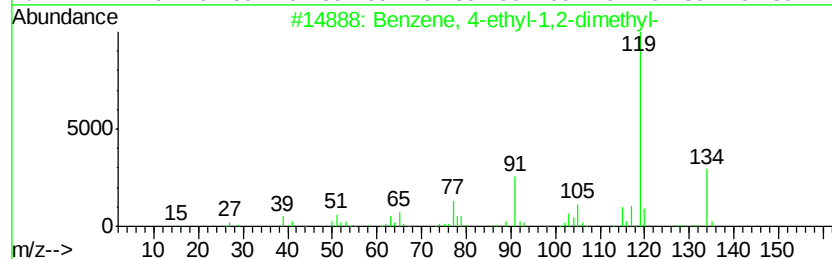
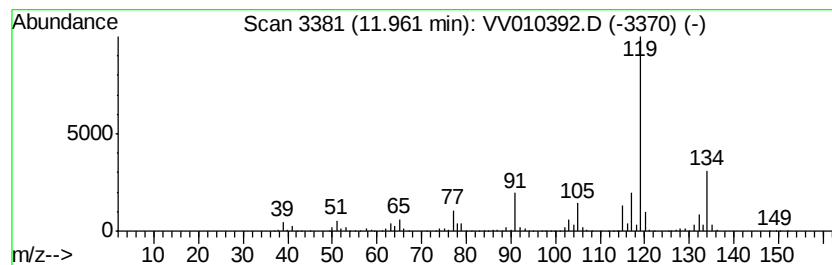
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Quant Title : VOC Analysis

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

Peak Number 17 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	32.37 ug/L	1579030	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
2		o-Cymene	134	C10H14	000527-84-4	93
3		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93
4		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV041819\
Data File : VV010392.D
Acq On : 19 Apr 2019 19:32
Operator : SY/MD
Sample : K2456-07
Misc : 5.09G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAHP5

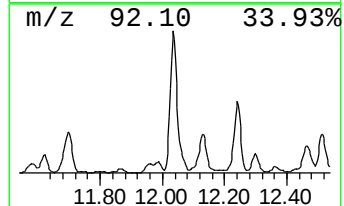
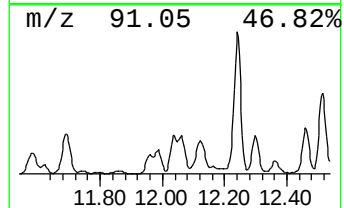
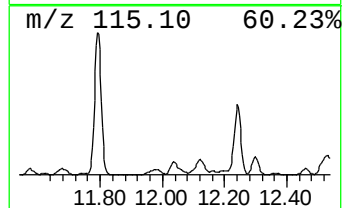
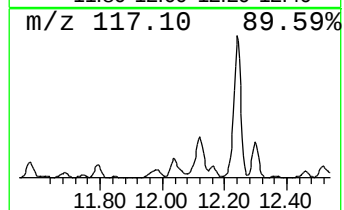
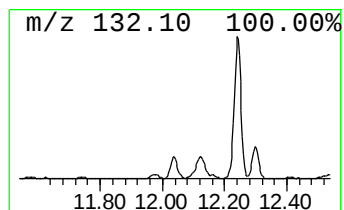
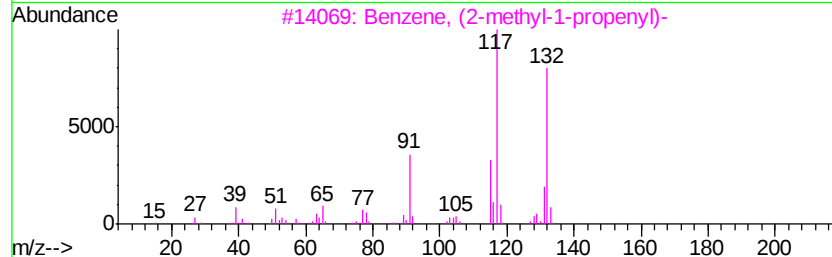
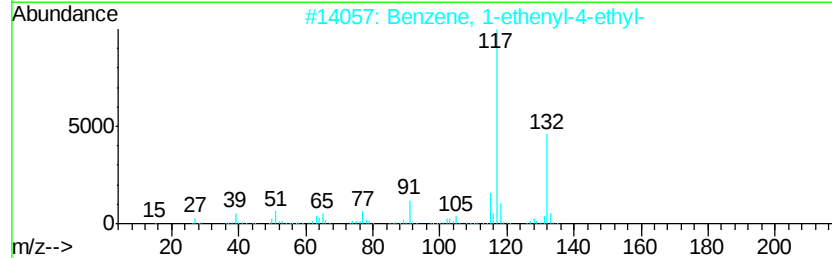
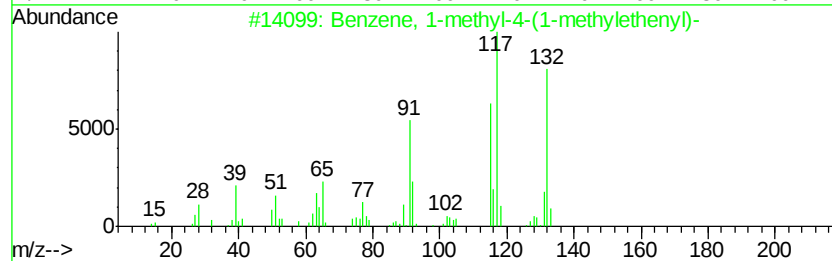
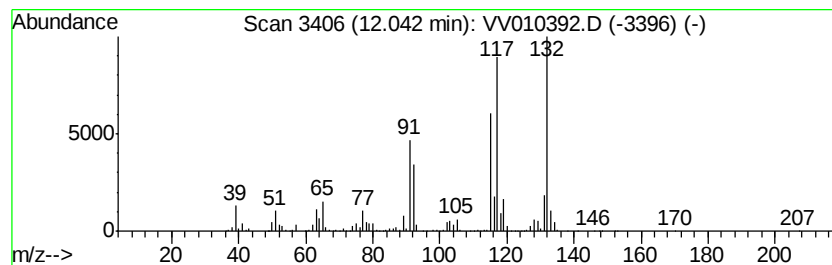
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Quant Title : VOC Analysis

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

Peak Number 18 Benzene, 1-methyl-4-(1-meth... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	47.80 ug/L	2331700	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	97
2		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	93
3		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87
4		Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	87
5		Benzene, (1-methylenepropyl)-	132	C10H12	002039-93-2	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV041819\
Data File : VV010392.D
Acq On : 19 Apr 2019 19:32
Operator : SY/MD
Sample : K2456-07
Misc : 5.09G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAHP5

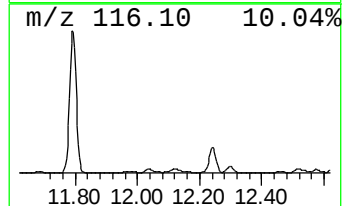
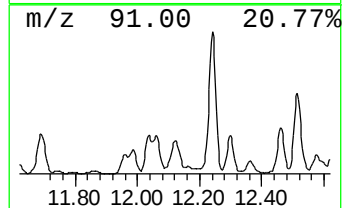
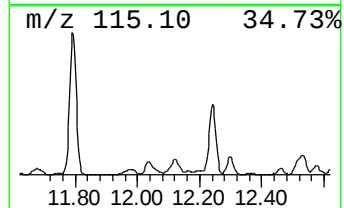
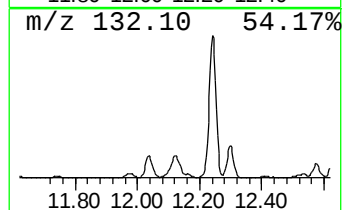
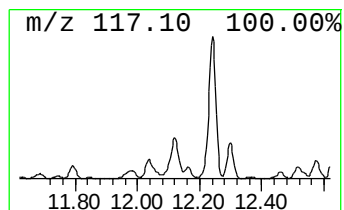
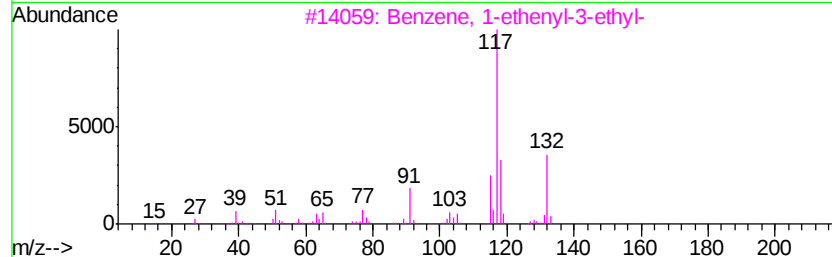
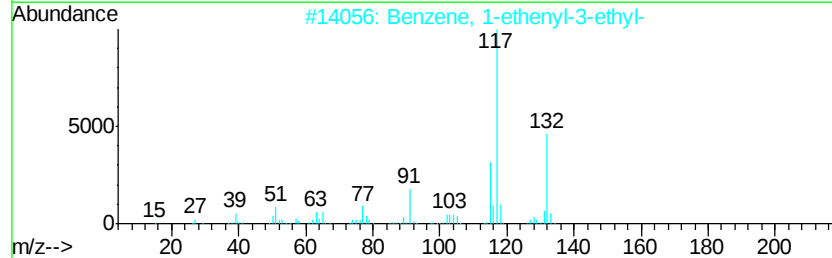
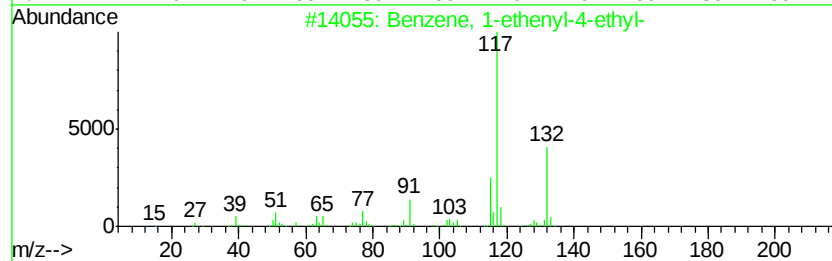
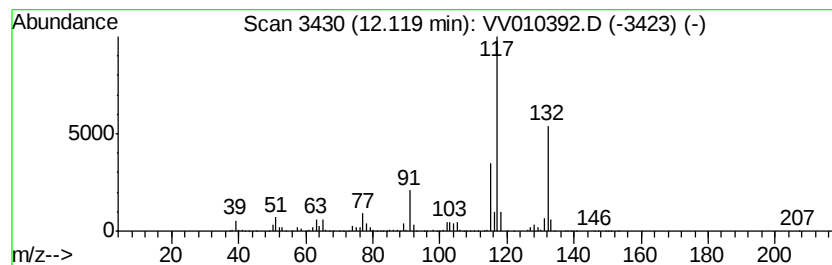
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Quant Title : VOC Analysis

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

Peak Number 19 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	55.74 ug/L	2719050	1,4-Dichlorobenzene-d4	11.30

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, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	94
4		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	93
5		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV041819\
Data File : VV010392.D
Acq On : 19 Apr 2019 19:32
Operator : SY/MD
Sample : K2456-07
Misc : 5.09G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAHP5

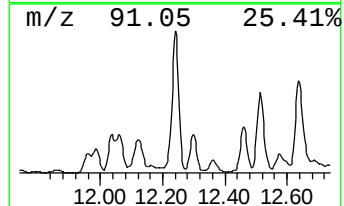
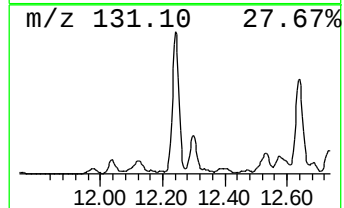
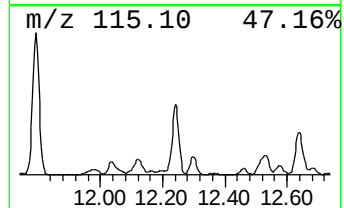
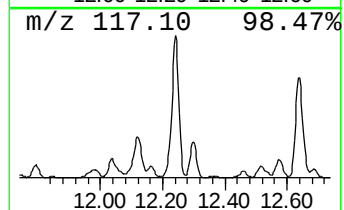
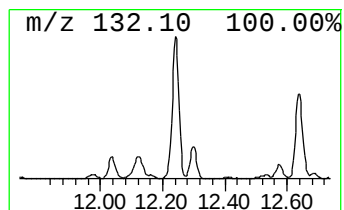
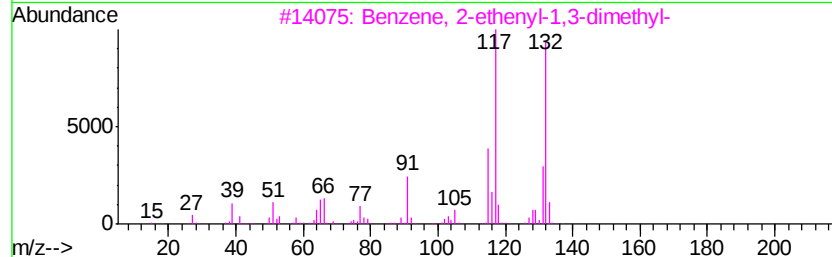
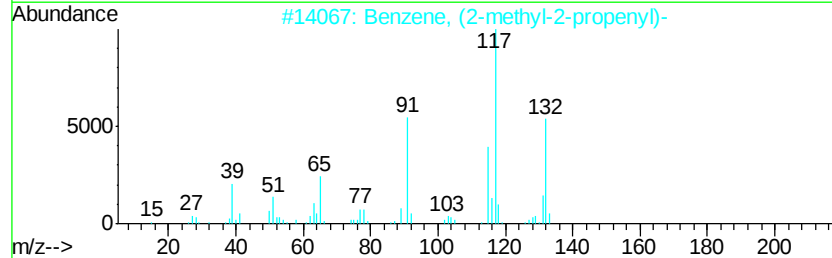
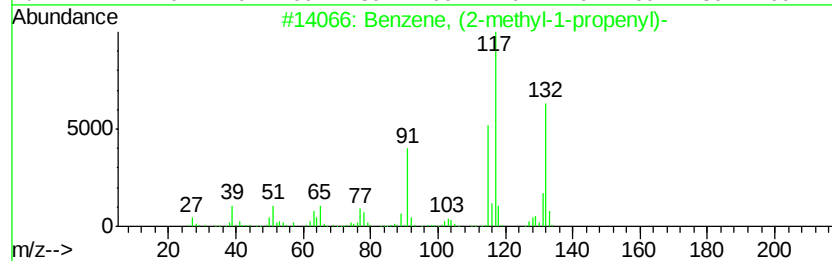
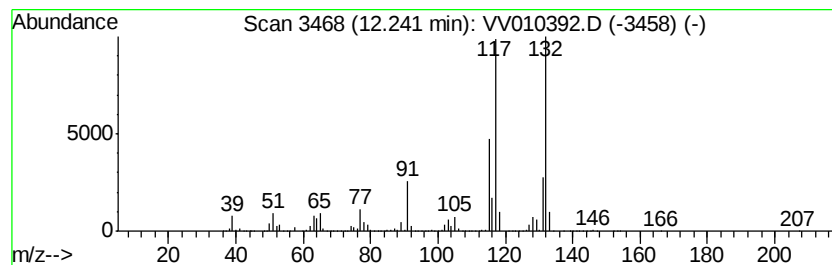
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Quant Title : VOC Analysis

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

Peak Number 20 Benzene, (2-methyl-1-propen... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	295.98 ug/L	14437800	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	95
2		Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	95
3		Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	94
4		Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	94
5		Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV041819\
Data File : VV010392.D
Acq On : 19 Apr 2019 19:32
Operator : SY/MD
Sample : K2456-07
Misc : 5.09G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAHP5

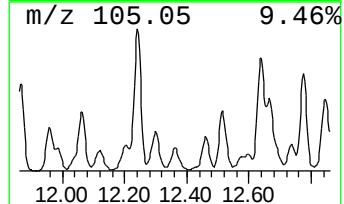
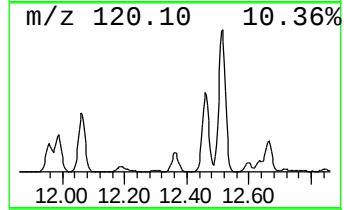
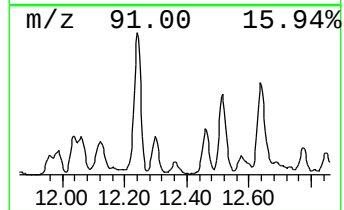
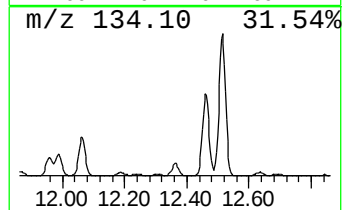
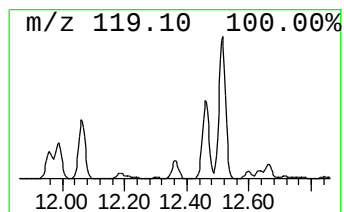
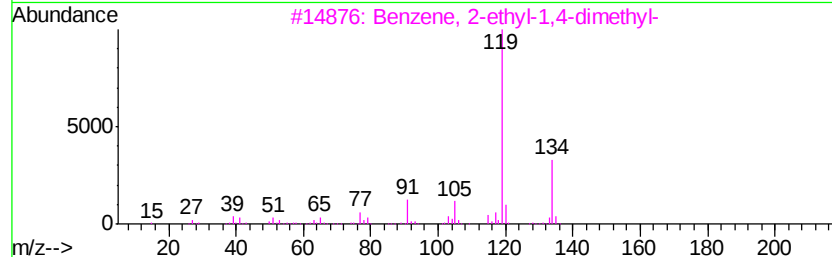
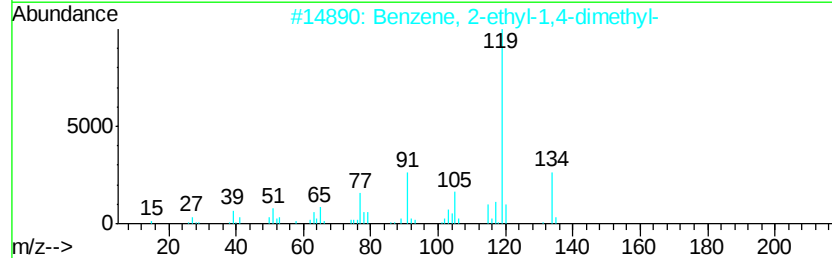
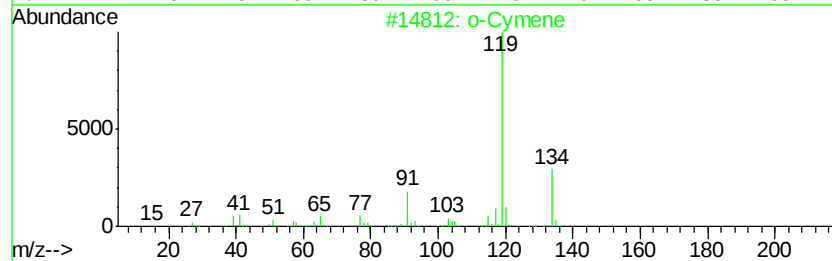
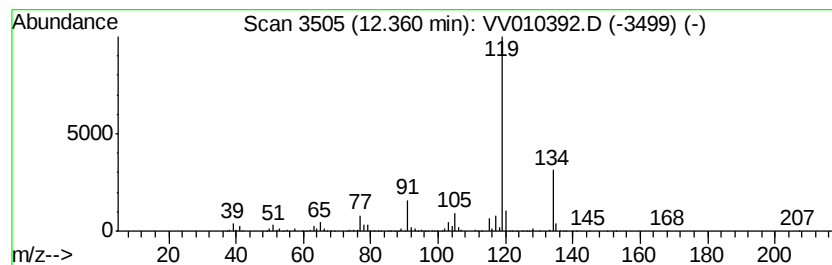
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Quant Title : VOC Analysis

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

Peak Number 22 o-Cymene Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	17.30 ug/L	843646	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	95
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
4		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV041819\
Data File : VV010392.D
Acq On : 19 Apr 2019 19:32
Operator : SY/MD
Sample : K2456-07
Misc : 5.09G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAHP5

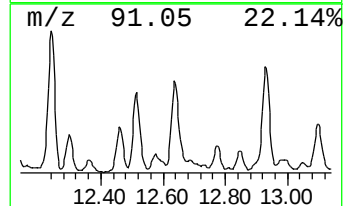
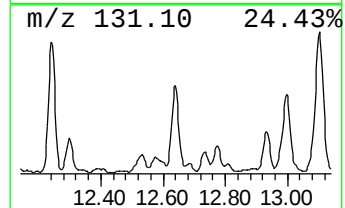
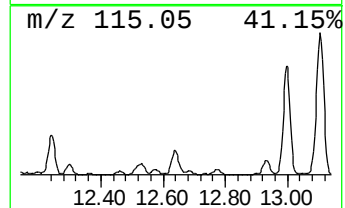
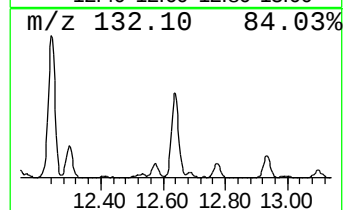
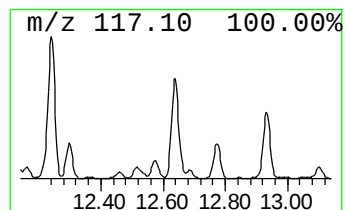
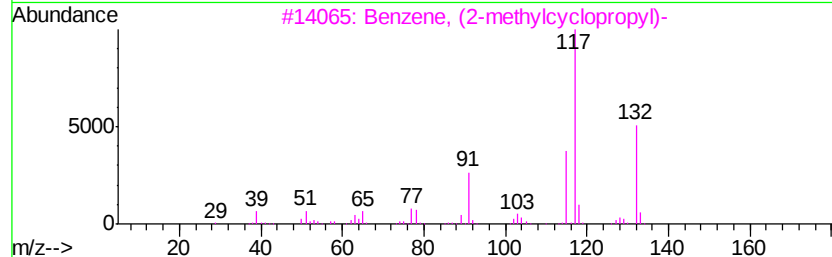
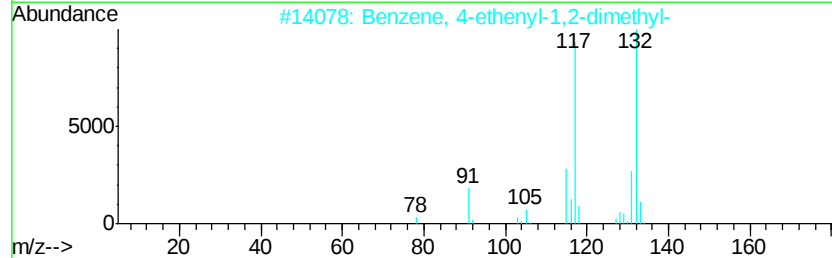
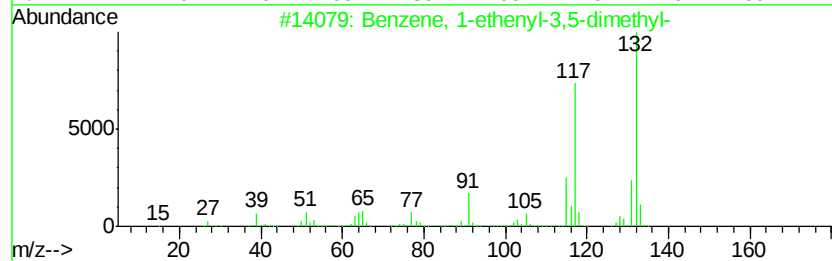
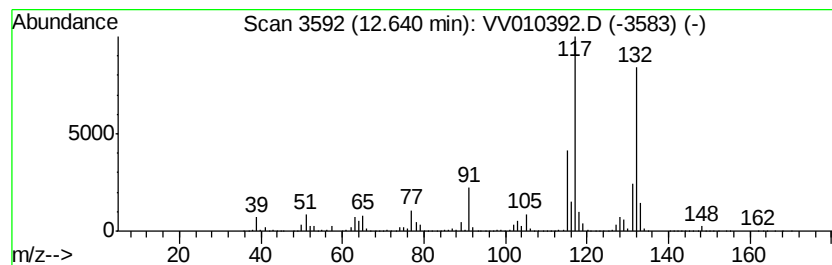
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Quant Title : VOC Analysis

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

Peak Number 25 Benzene, 1-ethenyl-3,5-dime... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	218.23 ug/L	10645300	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	97
2		Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	95
3		Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	94
4		(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	94
5		Benzene, (1-methylenepropyl)-	132	C10H12	002039-93-2	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV041819\
Data File : VV010392.D
Acq On : 19 Apr 2019 19:32
Operator : SY/MD
Sample : K2456-07
Misc : 5.09G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAHP5

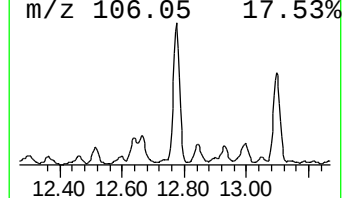
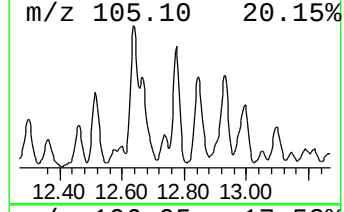
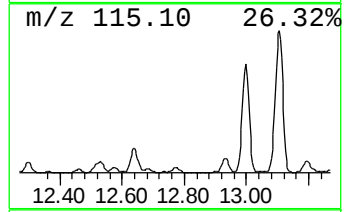
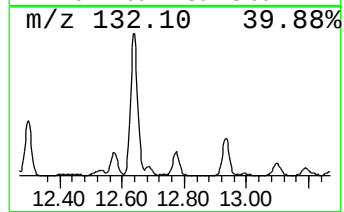
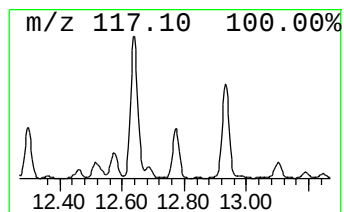
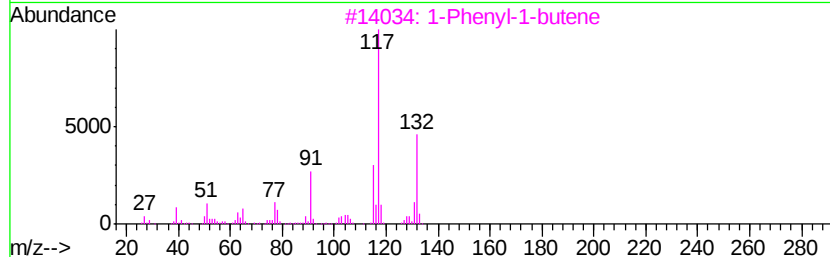
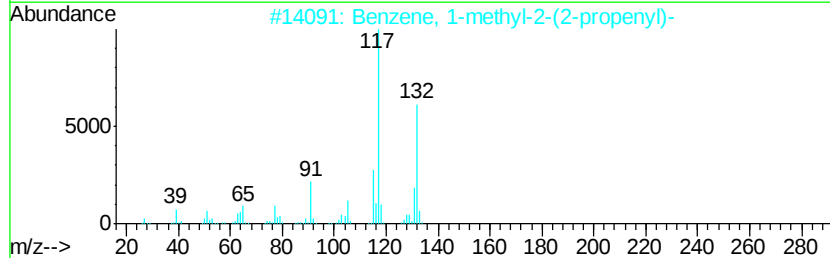
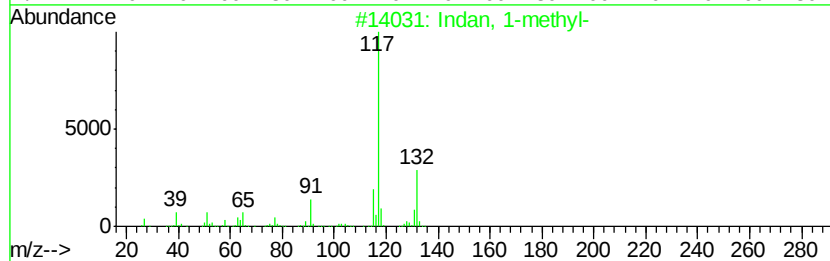
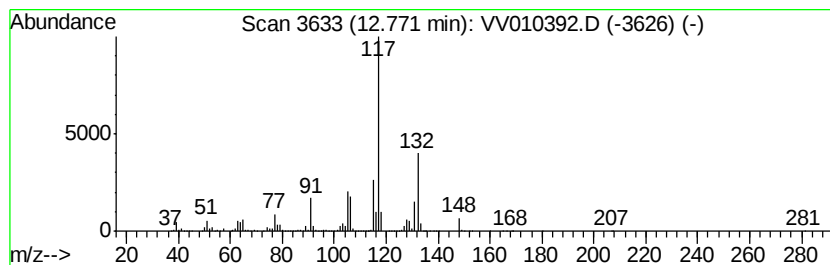
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Quant Title : VOC Analysis

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

Peak Number 26 Indan, 1-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	52.01 ug/L	2537240	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indan, 1-methyl-	132	C10H12	000767-58-8	93
2		Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	91
3		1-Phenyl-1-butene	132	C10H12	000824-90-8	90
4		Benzene, 2-butenyl-	132	C10H12	001560-06-1	83
5		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV041819\
Data File : VV010392.D
Acq On : 19 Apr 2019 19:32
Operator : SY/MD
Sample : K2456-07
Misc : 5.09G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAHP5

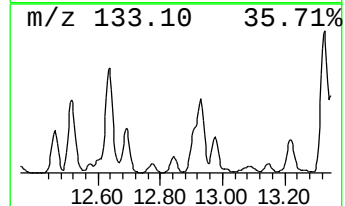
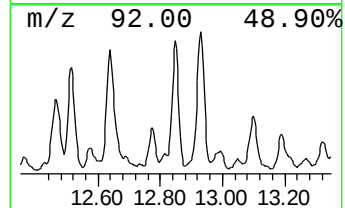
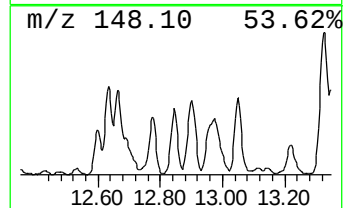
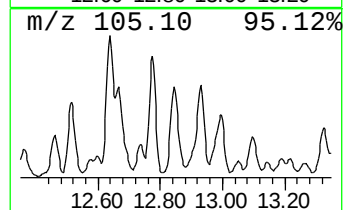
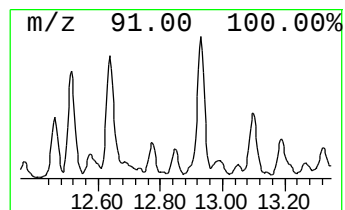
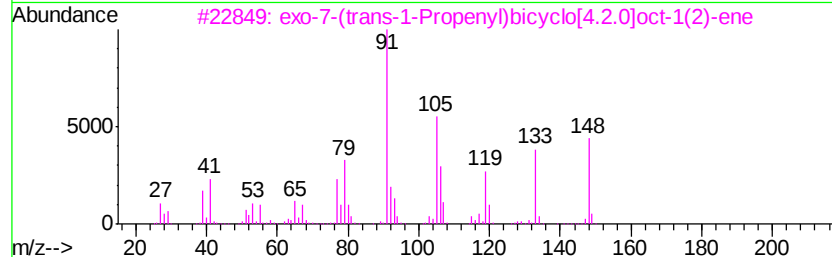
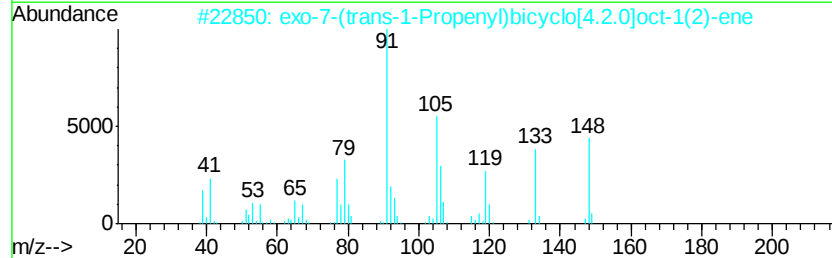
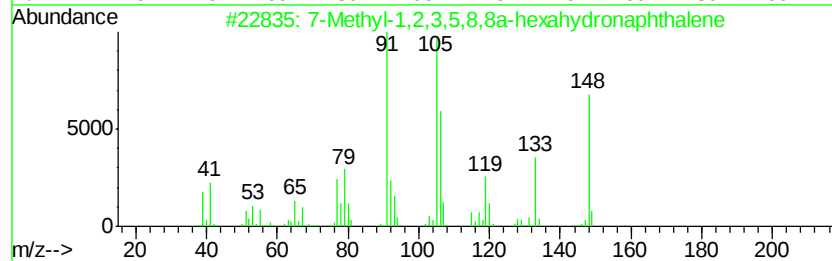
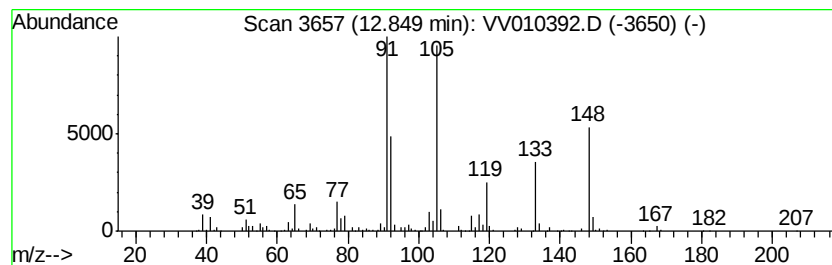
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Quant Title : VOC Analysis

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

Peak Number 27 7-Methyl-1,2,3,5,8,8a-hexah... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.85	10.93 ug/L	533096	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	7-Methyl-1,2,3,5,8,8a-hexahydron...	148	C11H16	107914-88-5	64
2		exo-7-(trans-1-Propenyl)bicyclo[...]	148	C11H16	107983-42-6	58
3		exo-7-(trans-1-Propenyl)bicyclo[...]	148	C11H16	107983-42-6	58
4		Benzene, (1-ethylpropyl)-	148	C11H16	001196-58-3	35
5		Benzeneethanamine, N,3-dimethyl-...	253	C18H23N	052059-46-8	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV041819\
Data File : VV010392.D
Acq On : 19 Apr 2019 19:32
Operator : SY/MD
Sample : K2456-07
Misc : 5.09G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAHP5

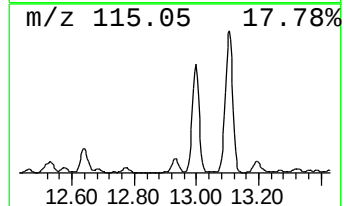
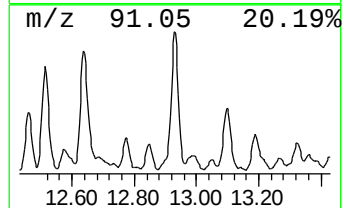
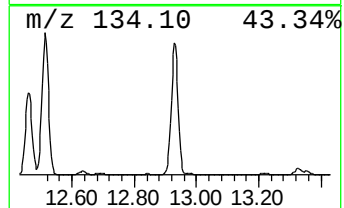
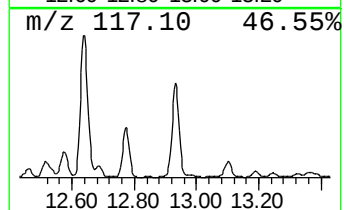
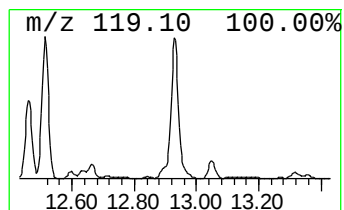
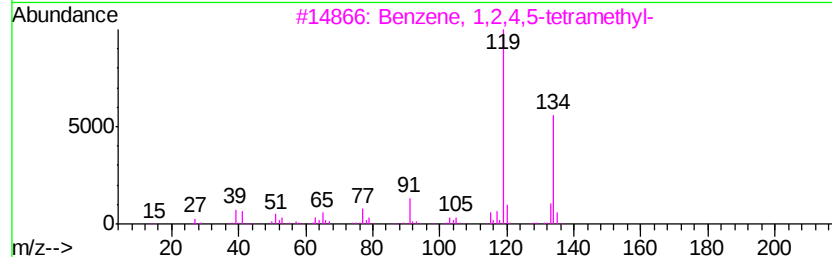
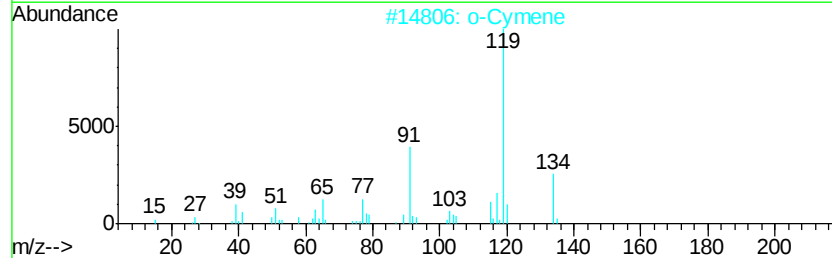
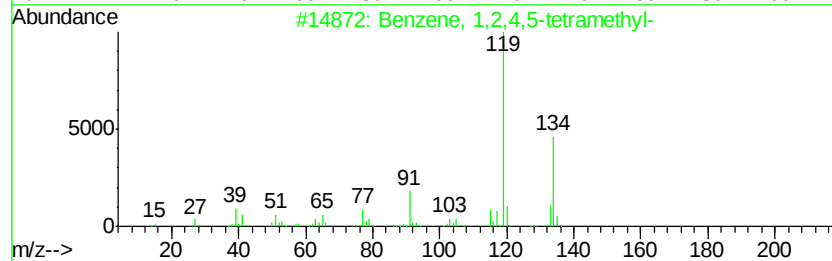
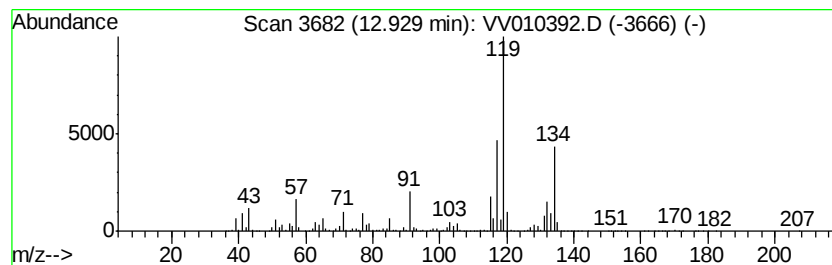
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Quant Title : VOC Analysis

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	321.35 ug/L	15675200	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	92
2		o-Cymene	134	C10H14	000527-84-4	70
3		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	70
4		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	70
5		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV041819\
Data File : VV010392.D
Acq On : 19 Apr 2019 19:32
Operator : SY/MD
Sample : K2456-07
Misc : 5.09G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAHP5

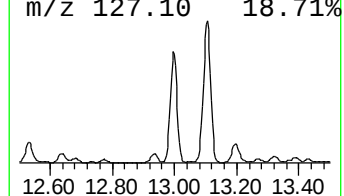
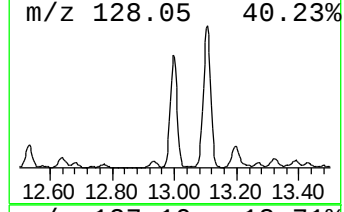
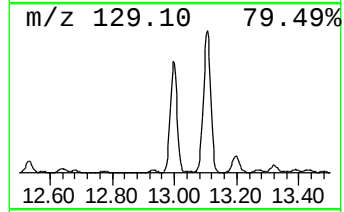
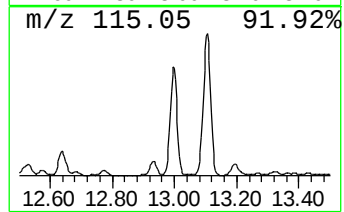
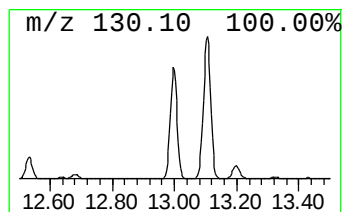
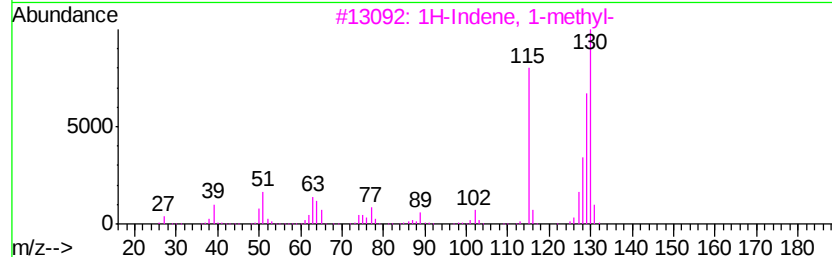
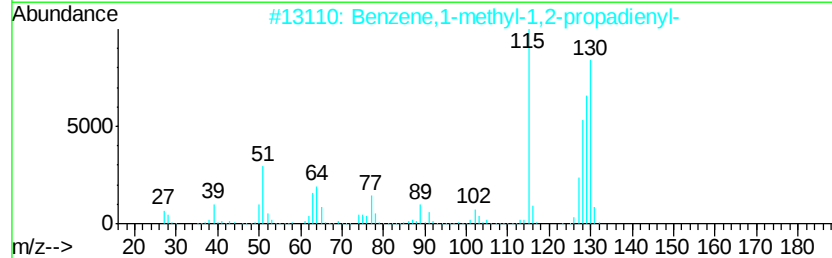
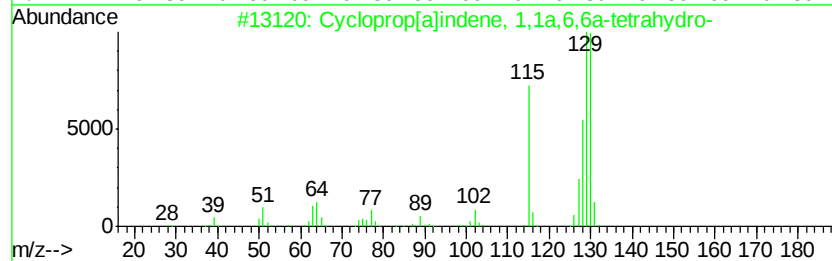
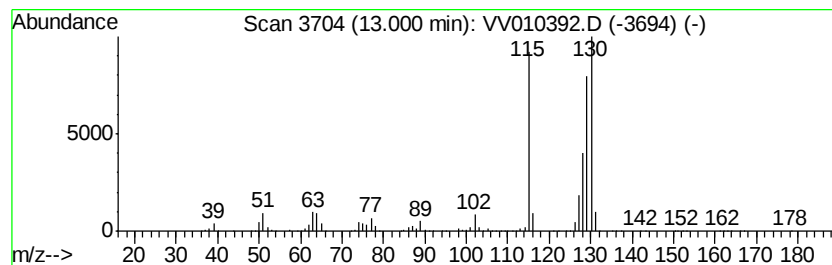
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Quant Title : VOC Analysis

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

Peak Number 29 Cycloprop[a]indene, 1,1a,6,... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	427.49 ug/L	20852700	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	93
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		1H-Indene, 1-methyl-	130	C10H10	000767-59-9	92
5		Benzene, 1-butyryl-	130	C10H10	000622-76-4	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV041819\
Data File : VV010392.D
Acq On : 19 Apr 2019 19:32
Operator : SY/MD
Sample : K2456-07
Misc : 5.09G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAHP5

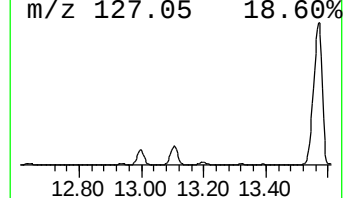
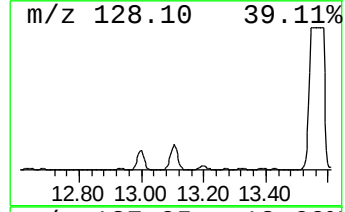
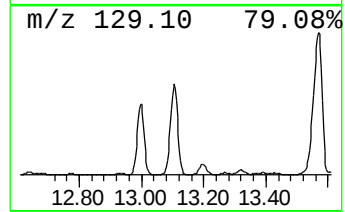
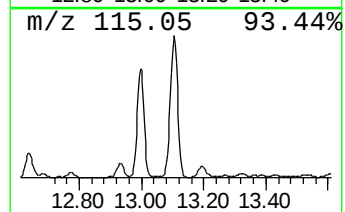
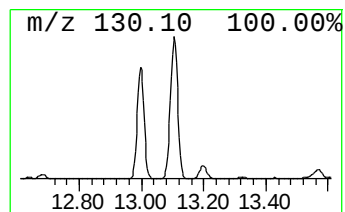
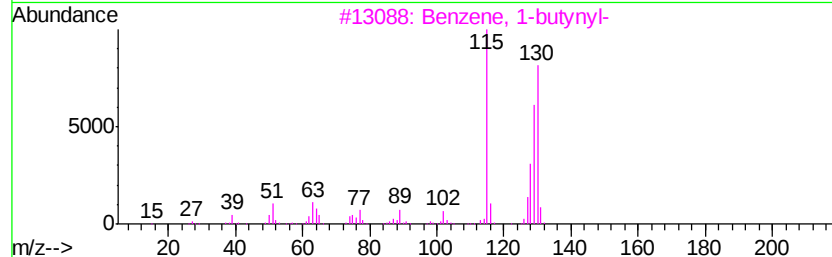
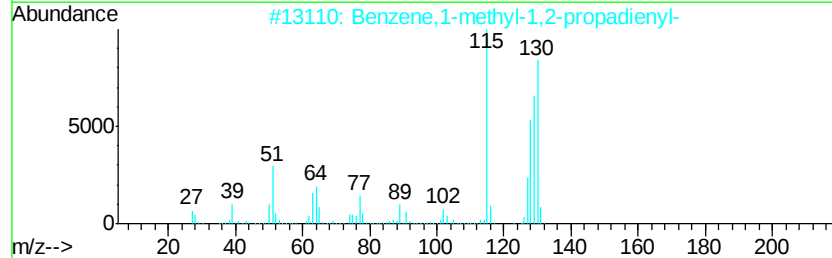
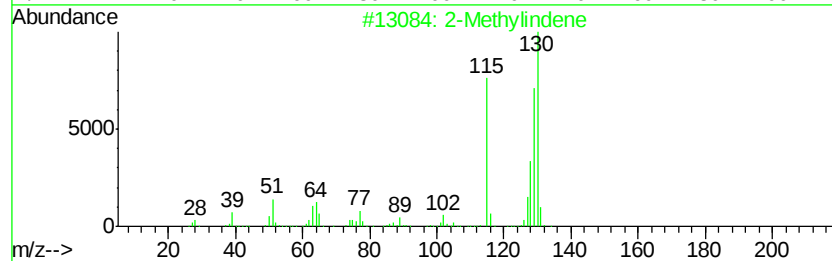
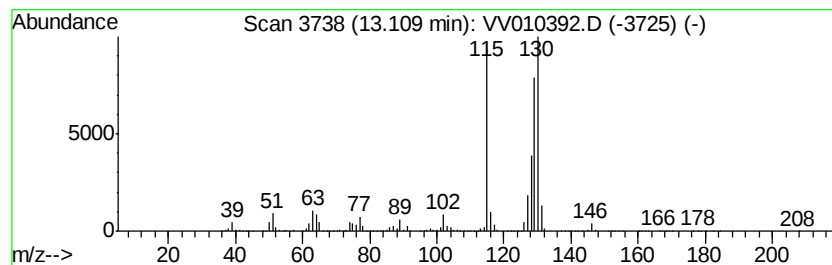
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Quant Title : VOC Analysis

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

Peak Number 30 2-Methylindene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	657.36 ug/L	32065300	1,4-Dichlorobenzene-d4	11.30

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Methylindene	130	C10H10	002177-47-1	95
2		Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	94
3		Benzene, 1-butylnyl-	130	C10H10	000622-76-4	94
4		Cycloprop[alindene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	93
5		1H-Indene, 1-methyl-	130	C10H10	000767-59-9	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV041819\
Data File : VV010392.D
Acq On : 19 Apr 2019 19:32
Operator : SY/MD
Sample : K2456-07
Misc : 5.09G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAHP5

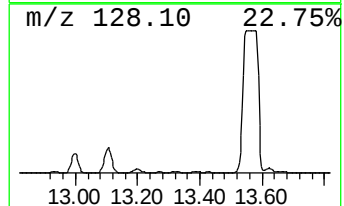
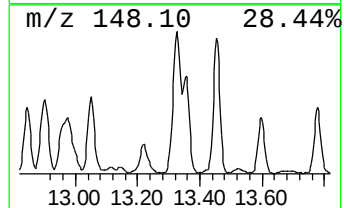
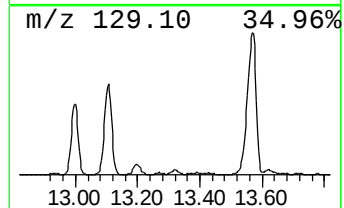
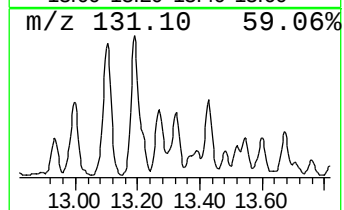
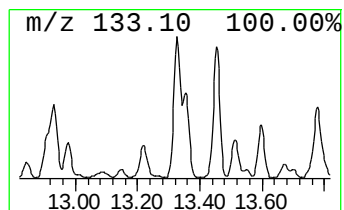
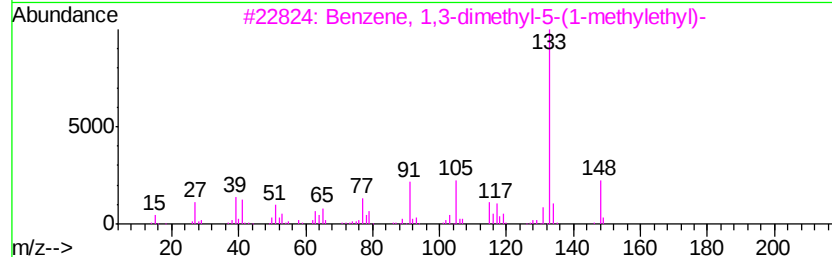
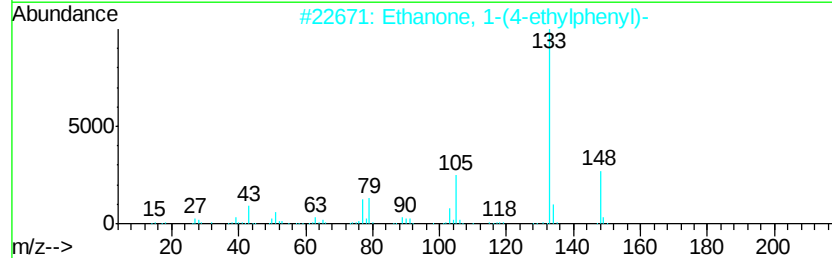
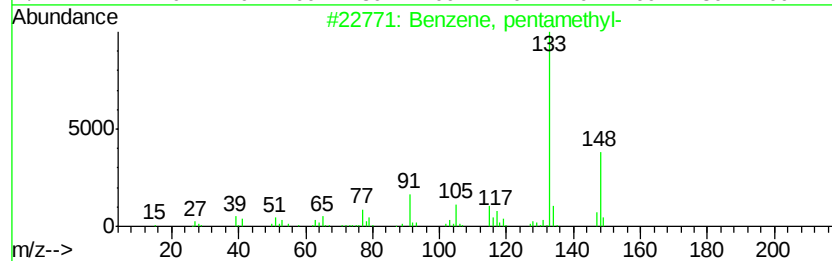
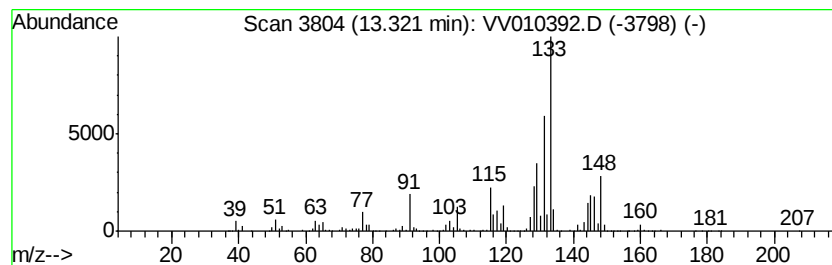
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Quant Title : VOC Analysis

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

Peak Number 32 Benzene, pentamethyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.32	42.98 ug/L	2096460	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, pentamethyl-	148	C11H16	000700-12-9	55
2		Ethanone, 1-(4-ethylphenyl)-	148	C10H12O	000937-30-4	50
3		Benzene, 1,3-dimethyl-5-(1-methyl-...	148	C11H16	004706-90-5	49
4		4-tert-Butyltoluene	148	C11H16	000098-51-1	46
5		4-tert-Butyltoluene	148	C11H16	000098-51-1	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV041819\
Data File : VV010392.D
Acq On : 19 Apr 2019 19:32
Operator : SY/MD
Sample : K2456-07
Misc : 5.09G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAHP5

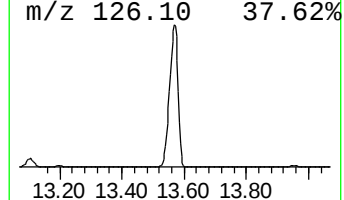
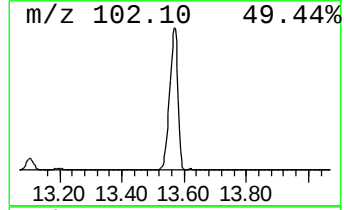
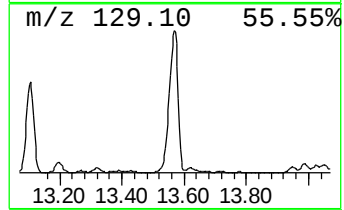
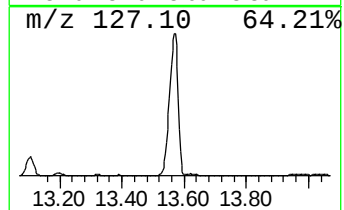
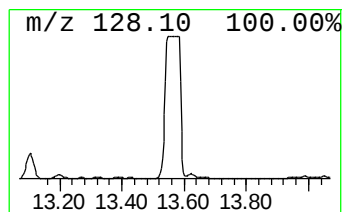
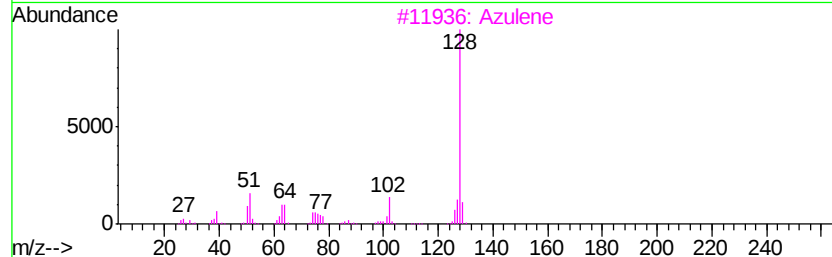
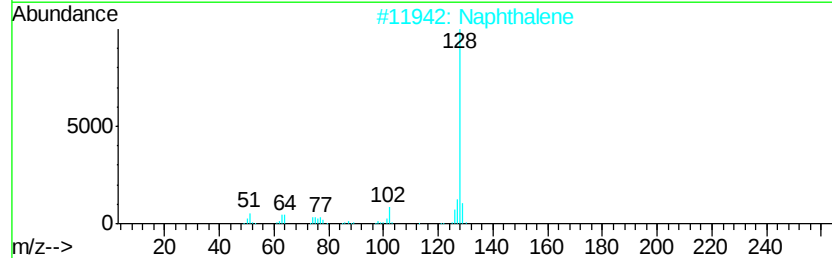
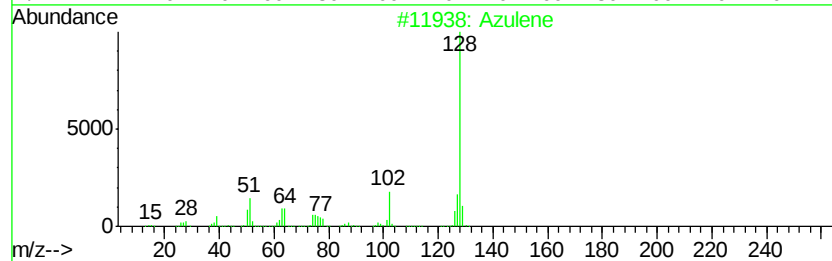
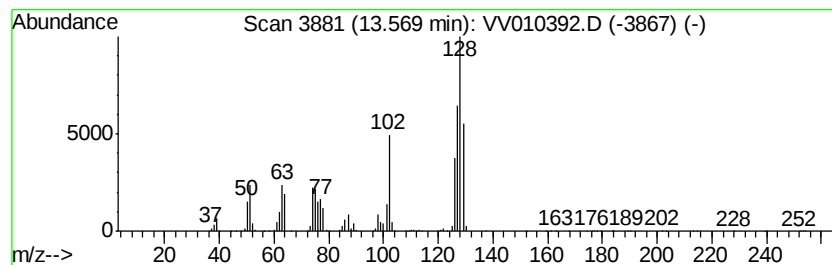
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Quant Title : VOC Analysis

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

Peak Number 33 Azulene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.57	2305.64 ug/L	112467000	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Azulene	128	C10H8	000275-51-4	93
2		Naphthalene	128	C10H8	000091-20-3	89
3		Azulene	128	C10H8	000275-51-4	83
4		Azulene	128	C10H8	000275-51-4	76
5		4-Phenylbut-3-ene-1-yne	128	C10H8	1000222-12-0	62



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV041819\
Data File : VV010392.D
Acq On : 19 Apr 2019 19:32
Operator : SY/MD
Sample : K2456-07
Misc : 5.09G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAHP5

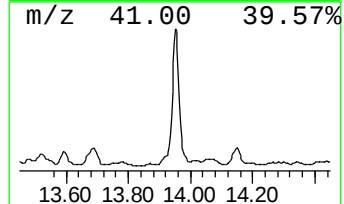
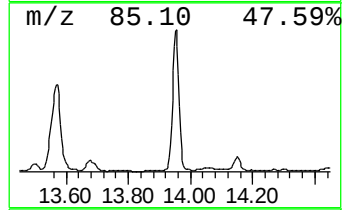
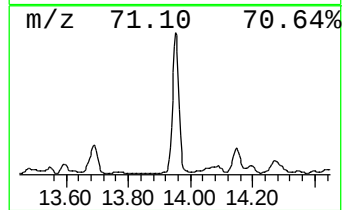
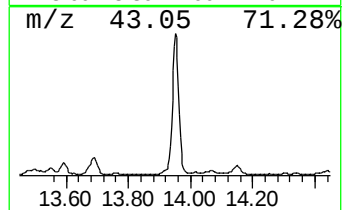
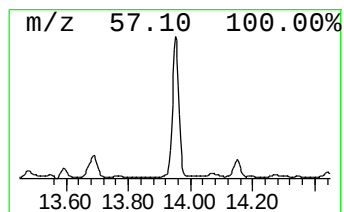
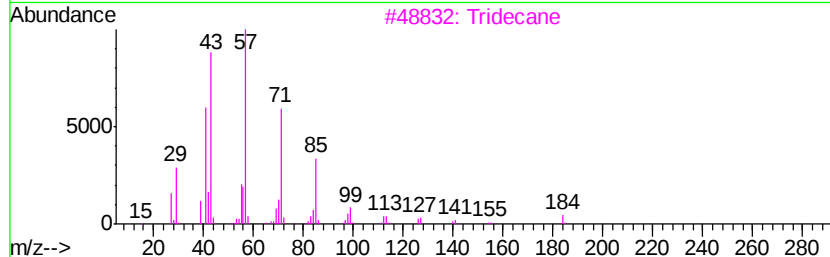
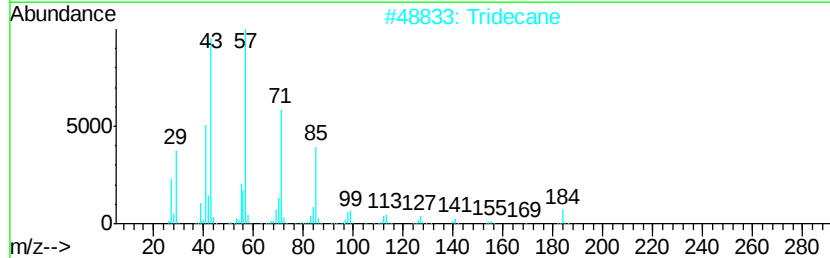
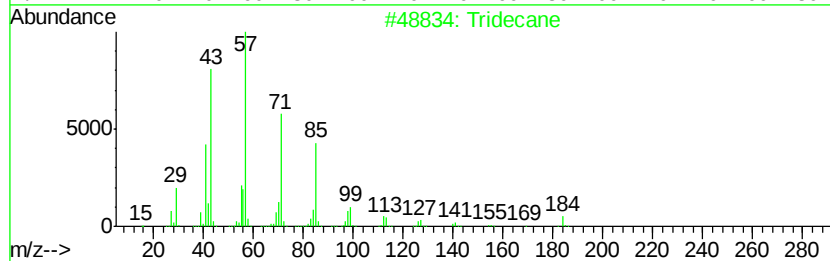
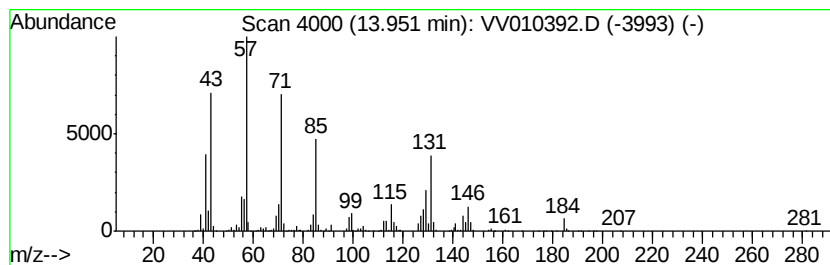
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Quant Title : VOC Analysis

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

Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	135.47 ug/L	6608120	1,4-Dichlorobenzene-d4	11.30

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane	184	C13H28	000629-50-5	95
2			Tridecane	184	C13H28	000629-50-5	91
3			Tridecane	184	C13H28	000629-50-5	90
4			Tetradecane	198	C14H30	000629-59-4	49
5			Tritetracontane	605	C43H88	007098-21-7	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV041819\
Data File : VV010392.D
Acq On : 19 Apr 2019 19:32
Operator : SY/MD
Sample : K2456-07
Misc : 5.09G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAHP5

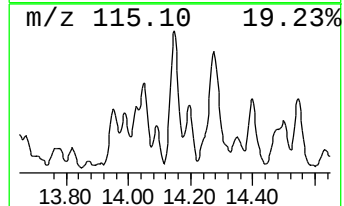
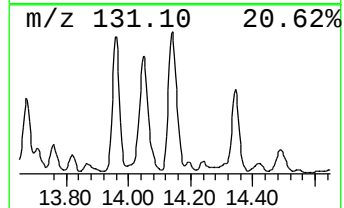
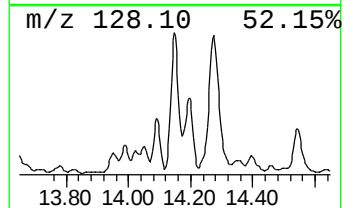
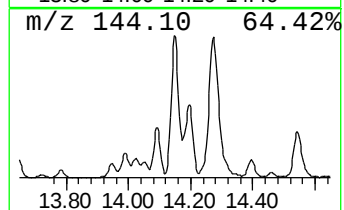
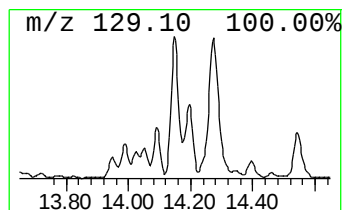
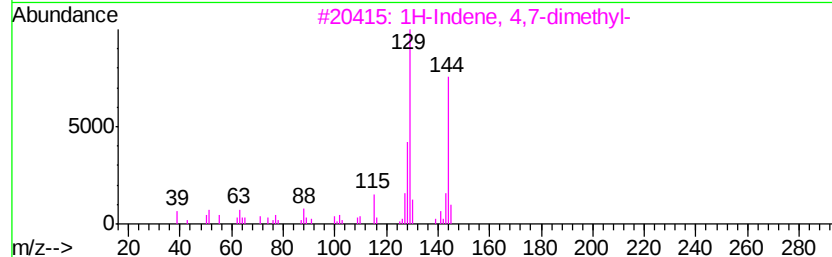
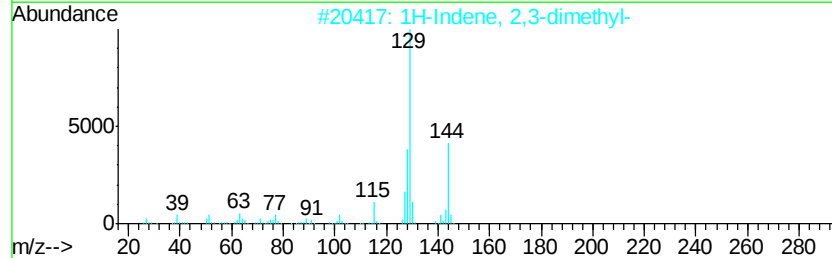
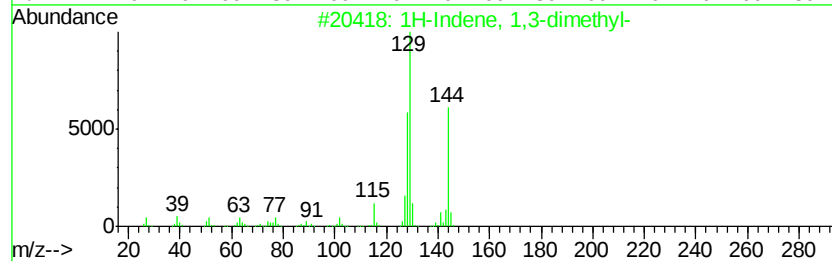
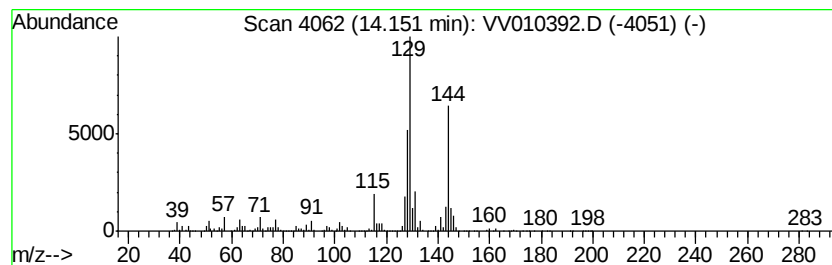
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Quant Title : VOC Analysis

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

Peak Number 35 1H-Indene, 1,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.15	209.06 ug/L	10197600	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	94
2		1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	91
3		1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	90
4		Naphthalene, 1,2-dihydro-3-methyl-	144	C11H12	002717-44-4	90
5		1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV041819\
Data File : VV010392.D
Acq On : 19 Apr 2019 19:32
Operator : SY/MD
Sample : K2456-07
Misc : 5.09G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAHP5

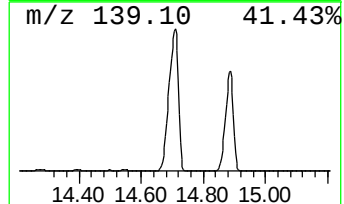
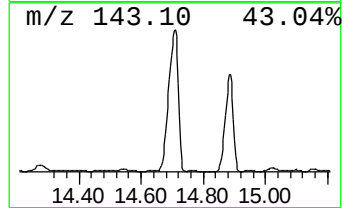
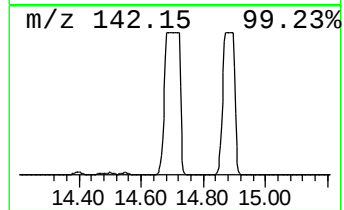
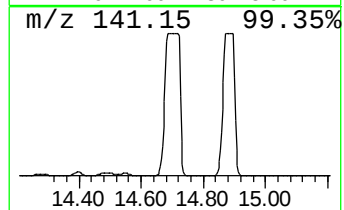
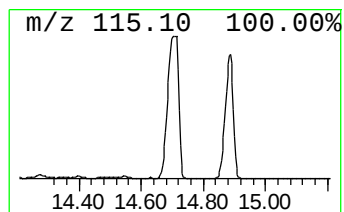
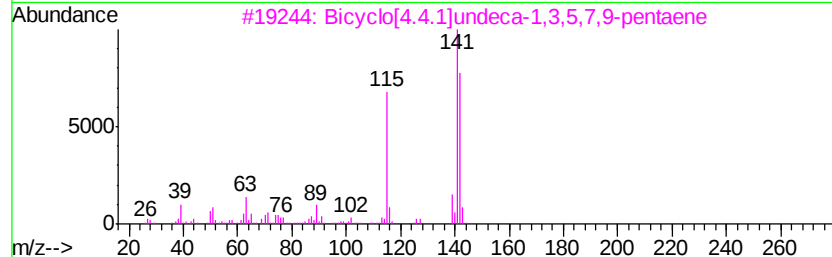
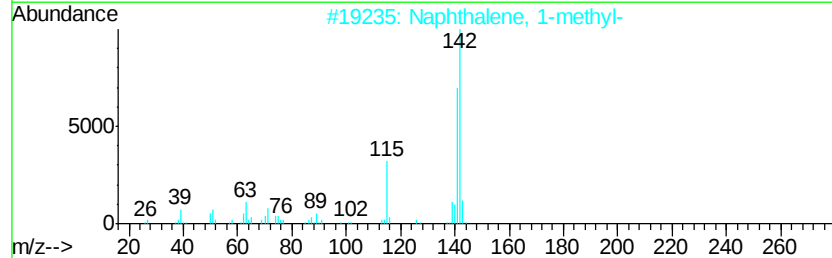
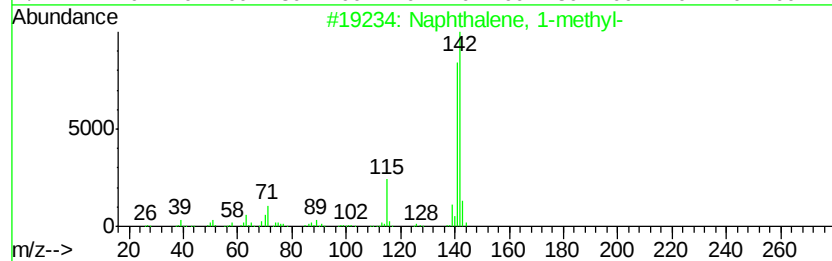
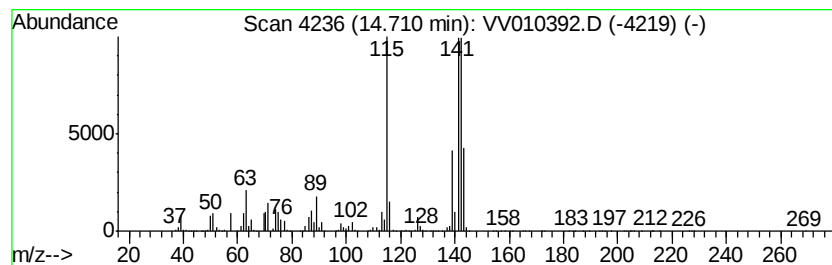
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Quant Title : VOC Analysis

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.
14.71	3386.73 ug/L	165202000	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	90
3		Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	90
4		Benzocycloheptatriene	142	C11H10	000264-09-5	90
5		Benzocycloheptatriene	142	C11H10	000264-09-5	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV041819\
Data File : VV010392.D
Acq On : 19 Apr 2019 19:32
Operator : SY/MD
Sample : K2456-07
Misc : 5.09G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAHP5

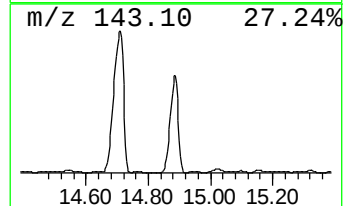
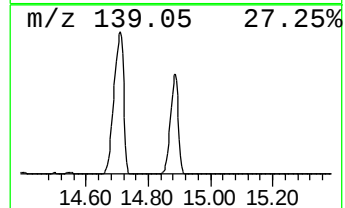
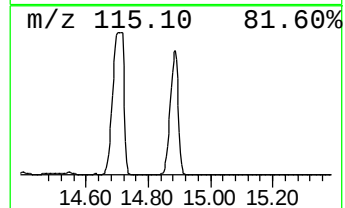
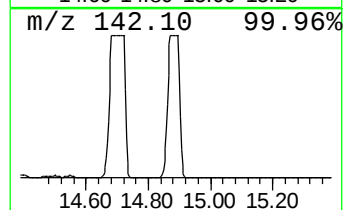
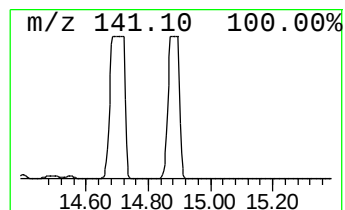
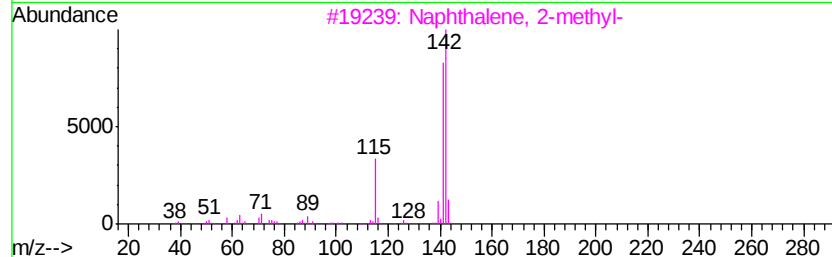
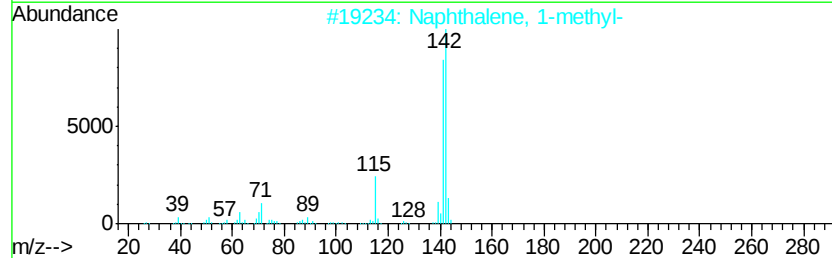
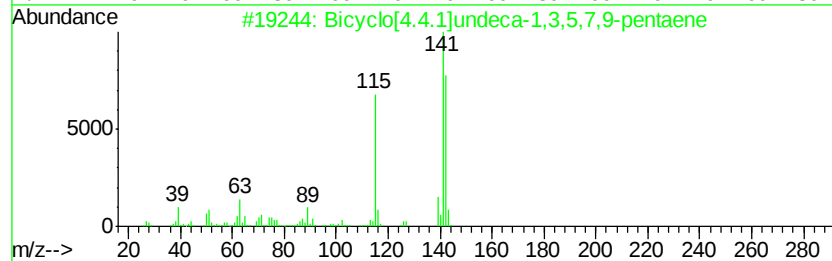
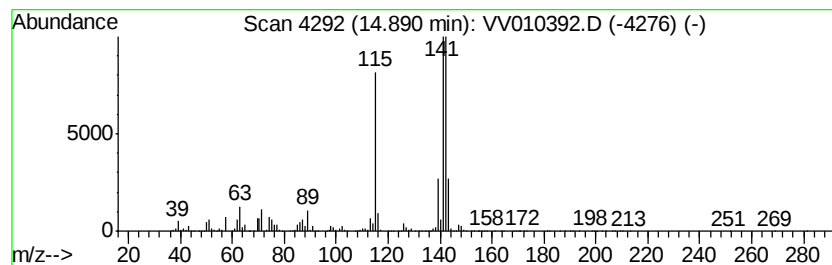
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Quant Title : VOC Analysis

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

Peak Number 39 Bicyclo[4.4.1]undeca-1,3,5,... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.89	2168.77 ug/L	105791000	1,4-Dichlorobenzene-d4	11.30

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	94
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
3		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
4		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV041819\
Data File : VV010392.D
Acq On : 19 Apr 2019 19:32
Operator : SY/MD
Sample : K2456-07
Misc : 5.09G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAHP5

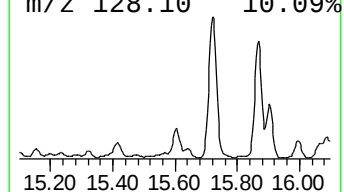
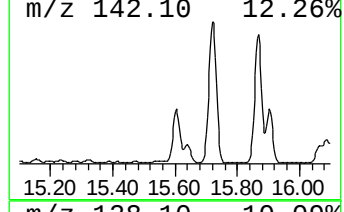
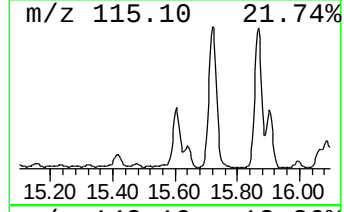
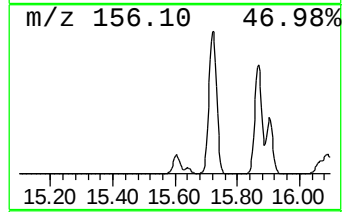
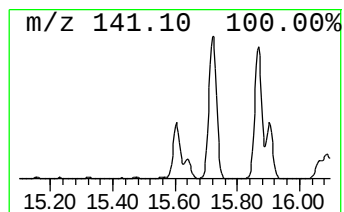
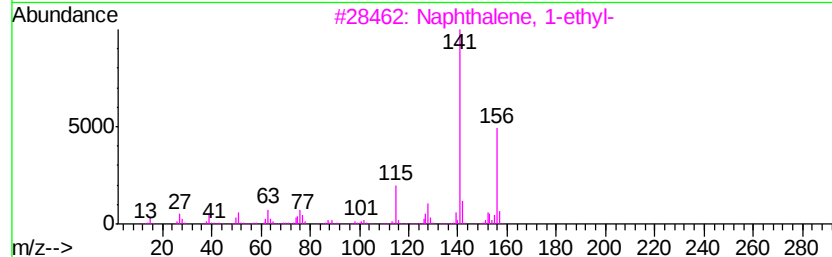
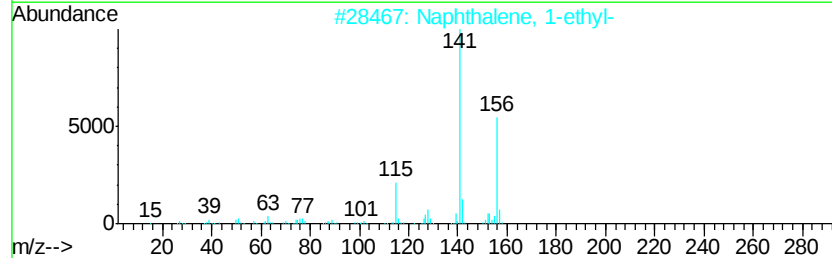
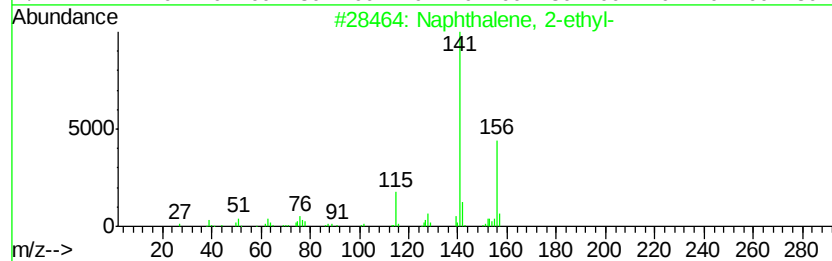
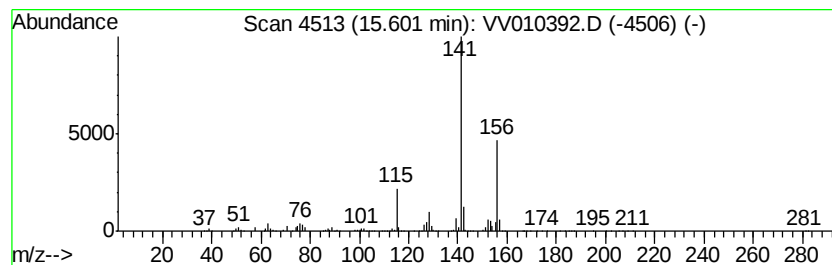
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Quant Title : VOC Analysis

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

Peak Number 41 Naphthalene, 2-ethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.60	108.38 ug/L	5286490	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	97
2		Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
3		Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
4		Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
5		Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV041819\
Data File : VV010392.D
Acq On : 19 Apr 2019 19:32
Operator : SY/MD
Sample : K2456-07
Misc : 5.09G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAHP5

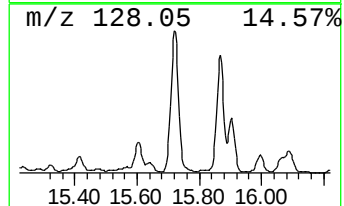
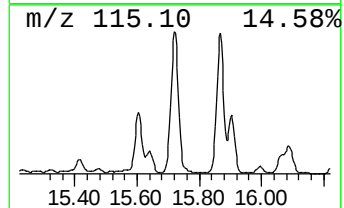
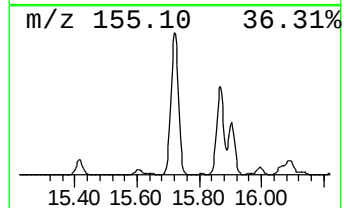
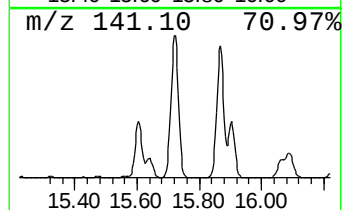
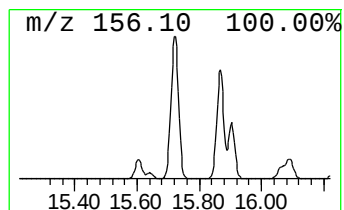
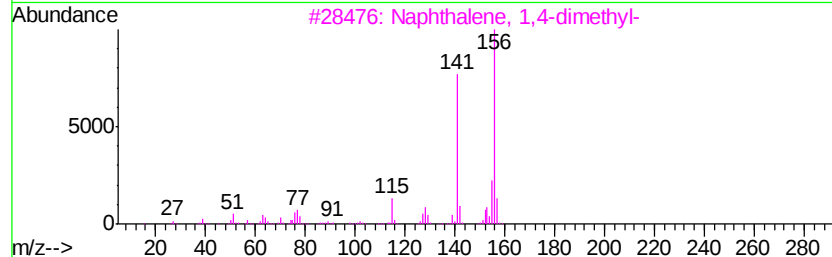
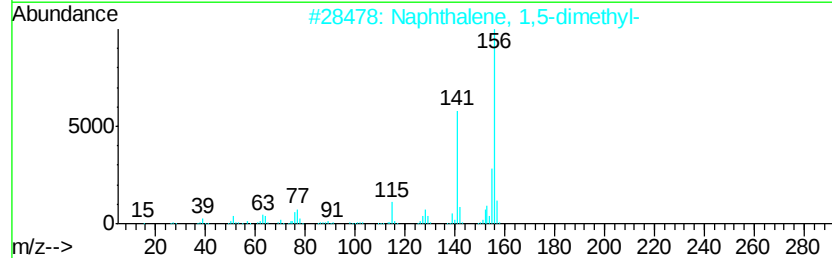
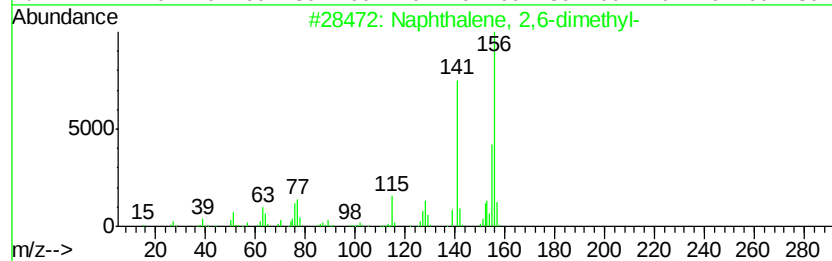
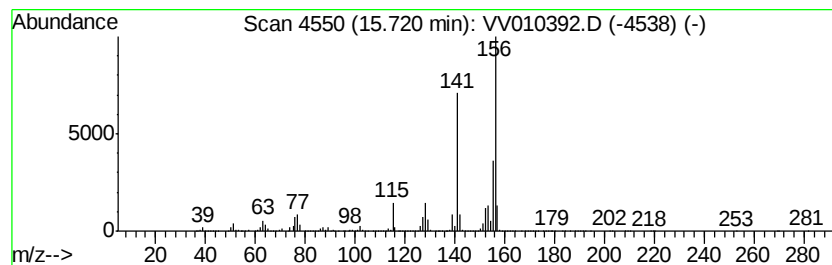
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Quant Title : VOC Analysis

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

Peak Number 42 Naphthalene, 1,4-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	690.58 ug/L	33685800	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041819\
 Data File : VV010392.D
 Acq On : 19 Apr 2019 19:32
 Operator : SY/MD
 Sample : K2456-07
 Misc : 5.09G/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAHP5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.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-	10.40	4.2	ug/L	204243	3	11.30	1219480	25.0
Benzene, 1-ethyl-...	10.49	36.4	ug/L	1774500	3	11.30	1219480	25.0
Benzene, 1,2,3-tr...	10.58	59.7	ug/L	2911190	3	11.30	1219480	25.0
Benzene, 1-etheny...	11.03	164.8	ug/L	8039930	3	11.30	1219480	25.0
o-Isopropenyltoluene	11.14	2.3	ug/L	111810	3	11.30	1219480	25.0
Benzene, 1-propenyl-	11.44	26.5	ug/L	1291790	3	11.30	1219480	25.0
Benzene, 1-etheny...	11.58	33.6	ug/L	1636790	3	11.30	1219480	25.0
Benzene, 1-methyl...	11.62	15.3	ug/L	744964	3	11.30	1219480	25.0
2,4-Dimethylstyrene	11.74	2.4	ug/L	118103	3	11.30	1219480	25.0
Indene	11.79	180.6	ug/L	8809470	3	11.30	1219480	25.0
Benzene, 4-ethyl-...	11.96	32.4	ug/L	1579030	3	11.30	1219480	25.0
Benzene, 1-methyl...	12.04	47.8	ug/L	2331700	3	11.30	1219480	25.0
Benzene, 1-etheny...	12.12	55.7	ug/L	2719050	3	11.30	1219480	25.0
Benzene, (2-methy...	12.24	296.0	ug/L	14437800	3	11.30	1219480	25.0
o-Cymene	12.36	17.3	ug/L	843646	3	11.30	1219480	25.0
Benzene, 1-etheny...	12.64	218.2	ug/L	10645300	3	11.30	1219480	25.0
Indan, 1-methyl-	12.77	52.0	ug/L	2537240	3	11.30	1219480	25.0
7-Methyl-1,2,3,5,...	12.85	10.9	ug/L	533096	3	11.30	1219480	25.0
Benzene, 1,2,4,5-...	12.93	321.4	ug/L	15675200	3	11.30	1219480	25.0
Cycloprop[a]inden...	13.00	427.5	ug/L	20852700	3	11.30	1219480	25.0
2-Methylindene	13.11	657.4	ug/L	32065300	3	11.30	1219480	25.0
Benzene, pentamet...	13.32	43.0	ug/L	2096460	3	11.30	1219480	25.0
Azulene	13.57	2305.6	ug/L	112467000	3	11.30	1219480	25.0
(DEL) Alkane: Str...	13.95	135.5	ug/L	6608120	3	11.30	1219480	25.0
1H-Indene, 1,3-di...	14.15	209.1	ug/L	10197600	3	11.30	1219480	25.0
Naphthalene, 1-me...	14.71	3386.7	ug/L	165202000	3	11.30	1219480	25.0
Bicyclo[4.4.1]und...	14.89	2168.8	ug/L	105791000	3	11.30	1219480	25.0
Naphthalene, 2-et...	15.60	108.4	ug/L	5286490	3	11.30	1219480	25.0
Naphthalene, 1,4-...	15.72	690.6	ug/L	33685800	3	11.30	1219480	25.0