

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041819\
 Data File : VV010393.D
 Acq On : 19 Apr 2019 19:59
 Operator : SY/MD
 Sample : K2456-08
 Misc : 5.07G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAHP6

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	2.129	317	323	333	rVB	73592	98024	3.60%	0.991%
2	2.412	409	411	415	rBV2	835	549	0.02%	0.006%
3	2.463	424	427	429	rBV4	944	399	0.01%	0.004%
4	2.537	440	450	464	rVB3	26280	45676	1.68%	0.462%
5	2.595	466	468	471	rBV2	621	325	0.01%	0.003%
6	2.814	526	536	542	rBV4	1315	2092	0.08%	0.021%
7	2.894	559	561	563	rBV2	658	359	0.01%	0.004%
8	3.042	603	607	608	rBV	478	288	0.01%	0.003%
9	3.161	642	644	648	rVB2	874	466	0.02%	0.005%
10	3.222	660	663	666	rBV3	561	412	0.02%	0.004%
11	3.264	674	676	680	rVB	614	296	0.01%	0.003%
12	3.287	680	683	689	rBV3	428	554	0.02%	0.006%
13	3.312	689	691	696	rVB2	531	412	0.02%	0.004%
14	3.434	726	729	733	rVB3	475	340	0.01%	0.003%
15	3.508	750	752	754	rBV2	563	381	0.01%	0.004%
16	3.557	764	767	771	rVB	799	597	0.02%	0.006%
17	3.740	816	824	829	rBV4	522	741	0.03%	0.007%
18	3.872	863	865	869	rVB2	623	367	0.01%	0.004%
19	3.894	869	872	875	rBV2	538	364	0.01%	0.004%
20	3.949	875	889	892	rBV2	8624	14102	0.52%	0.143%
21	4.348	1010	1013	1015	rBV2	471	386	0.01%	0.004%
22	4.402	1015	1030	1049	rVV	57641	142196	5.23%	1.437%
23	4.714	1125	1127	1131	rBV2	737	595	0.02%	0.006%
24	4.785	1146	1149	1152	rBV2	730	458	0.02%	0.005%
25	4.878	1174	1178	1179	rBV2	667	427	0.02%	0.004%
26	4.958	1200	1203	1206	rVV	386	301	0.01%	0.003%
27	4.997	1210	1215	1217	rBV2	625	509	0.02%	0.005%
28	5.097	1230	1246	1268	rBV4	130856	324369	11.92%	3.278%
29	5.364	1326	1329	1333	rBV4	611	465	0.02%	0.005%
30	5.666	1408	1423	1441	rBV	121386	249080	9.15%	2.517%
31	5.930	1503	1505	1508	rBV2	754	473	0.02%	0.005%
32	6.119	1551	1564	1590	rBV2	70440	150100	5.52%	1.517%
33	6.322	1624	1627	1632	rVB	426	313	0.01%	0.003%
34	6.354	1632	1637	1641	rBV3	539	560	0.02%	0.006%

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 Title : VOC Analysis

35	6.518	1683	1688	1690	rBV2	309	281	0.01%	0.003%
36	6.553	1693	1699	1703	rBV4	590	771	0.03%	0.008%
37	6.630	1717	1723	1724	rBV2	516	473	0.02%	0.005%
38	6.675	1732	1737	1738	rBV2	768	653	0.02%	0.007%
39	6.817	1775	1781	1783	rBV4	1851	2081	0.08%	0.021%
40	6.920	1810	1813	1817	rVB3	559	487	0.02%	0.005%
41	6.942	1817	1820	1822	rBV2	463	329	0.01%	0.003%
42	7.032	1837	1848	1862	rBV3	36248	66118	2.43%	0.668%
43	7.167	1888	1890	1895	rVB4	889	518	0.02%	0.005%
44	7.293	1923	1929	1934	rBV8	1866	2777	0.10%	0.028%
45	7.360	1939	1950	1966	rBV	152816	272350	10.01%	2.753%
46	7.666	2034	2045	2065	rVB2	20548	39474	1.45%	0.399%
47	7.987	2137	2145	2150	rBV5	3236	4889	0.18%	0.049%
48	8.138	2183	2192	2203	rBV2	28412	56469	2.08%	0.571%
49	8.441	2284	2286	2292	rVB3	366	304	0.01%	0.003%
50	8.540	2314	2317	2321	rVB2	622	357	0.01%	0.004%
51	8.698	2363	2366	2370	rBV2	554	493	0.02%	0.005%
52	8.717	2370	2372	2377	rBV2	591	426	0.02%	0.004%
53	8.762	2383	2386	2388	rBV	486	307	0.01%	0.003%
54	8.897	2416	2428	2454	rBV	175055	299689	11.01%	3.029%
55	9.055	2470	2477	2478	rBV2	1309	1356	0.05%	0.014%
56	9.267	2539	2543	2545	rBV3	579	519	0.02%	0.005%
57	9.357	2566	2571	2575	rBV3	441	470	0.02%	0.005%
58	9.380	2575	2578	2580	rBV2	603	274	0.01%	0.003%
59	9.589	2635	2643	2644	rBV4	1697	1839	0.07%	0.019%
60	9.698	2675	2677	2682	rVB2	554	372	0.01%	0.004%
61	9.788	2703	2705	2709	rVB2	747	454	0.02%	0.005%
62	9.814	2709	2713	2715	rBV	615	452	0.02%	0.005%
63	9.952	2753	2756	2758	rBV4	605	460	0.02%	0.005%
64	9.968	2758	2761	2763	rBV3	1506	1029	0.04%	0.010%
65	10.042	2779	2784	2787	rBV3	579	670	0.02%	0.007%
66	10.148	2814	2817	2820	rBV	408	302	0.01%	0.003%
67	10.177	2823	2826	2829	rVB3	659	492	0.02%	0.005%
68	10.261	2840	2852	2867	rBV3	66624	109344	4.02%	1.105%
69	10.354	2877	2881	2883	rBV	369	278	0.01%	0.003%
70	10.428	2893	2904	2912	rBV4	7123	11959	0.44%	0.121%
71	10.547	2939	2941	2944	rVB3	740	366	0.01%	0.004%

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72	10.566	2944	2947	2948	rBV2	709	402	0.01%	0.004%
73	10.621	2962	2964	2968	rVB2	884	631	0.02%	0.006%
74	10.640	2968	2970	2974	rVB2	637	417	0.02%	0.004%
75	10.675	2978	2981	2982	rBV2	637	389	0.01%	0.004%
76	10.704	2987	2990	2993	rBV3	685	465	0.02%	0.005%
77	10.961	3062	3070	3081	rVB3	7047	11064	0.41%	0.112%
78	11.032	3085	3092	3099	rBV3	7549	8557	0.31%	0.086%
79	11.129	3118	3122	3124	rBV2	1272	982	0.04%	0.010%
80	11.193	3134	3142	3149	rBV6	2089	3349	0.12%	0.034%
81	11.296	3163	3174	3191	rBV	178136	288347	10.60%	2.914%
82	11.560	3253	3256	3257	rBV	670	315	0.01%	0.003%
83	11.672	3280	3291	3309	rVB2	168265	276725	10.17%	2.797%
84	11.756	3312	3317	3320	rBV4	1099	1198	0.04%	0.012%
85	11.878	3351	3355	3365	rVB6	2710	4330	0.16%	0.044%
86	11.949	3373	3377	3379	rBV2	1536	1179	0.04%	0.012%
87	12.241	3461	3468	3477	rVB4	12058	18216	0.67%	0.184%
88	12.460	3530	3536	3545	rBV4	5355	7205	0.26%	0.073%
89	12.514	3546	3553	3567	rVB5	8823	18613	0.68%	0.188%
90	12.775	3626	3634	3641	rVB7	4779	6440	0.24%	0.065%
91	12.836	3651	3653	3655	rBV3	852	420	0.02%	0.004%
92	12.929	3677	3682	3691	rVB4	23765	33205	1.22%	0.336%
93	12.997	3696	3703	3713	rVB2	31799	46579	1.71%	0.471%
94	13.100	3726	3735	3749	rVB4	50668	84081	3.09%	0.850%
95	13.550	3865	3875	3893	rVB	627345	962728	35.38%	9.730%
96	13.948	3992	3999	4013	rBV10	18076	32576	1.20%	0.329%
97	14.682	4217	4227	4245	rVB	1824027	2721241	100.00%	27.502%
98	14.865	4274	4284	4303	rVB	997157	1582687	58.16%	15.996%
99	15.717	4539	4549	4564	rBV	606052	1016882	37.37%	10.277%
100	15.862	4586	4594	4601	rBV	549860	848472	31.18%	8.575%

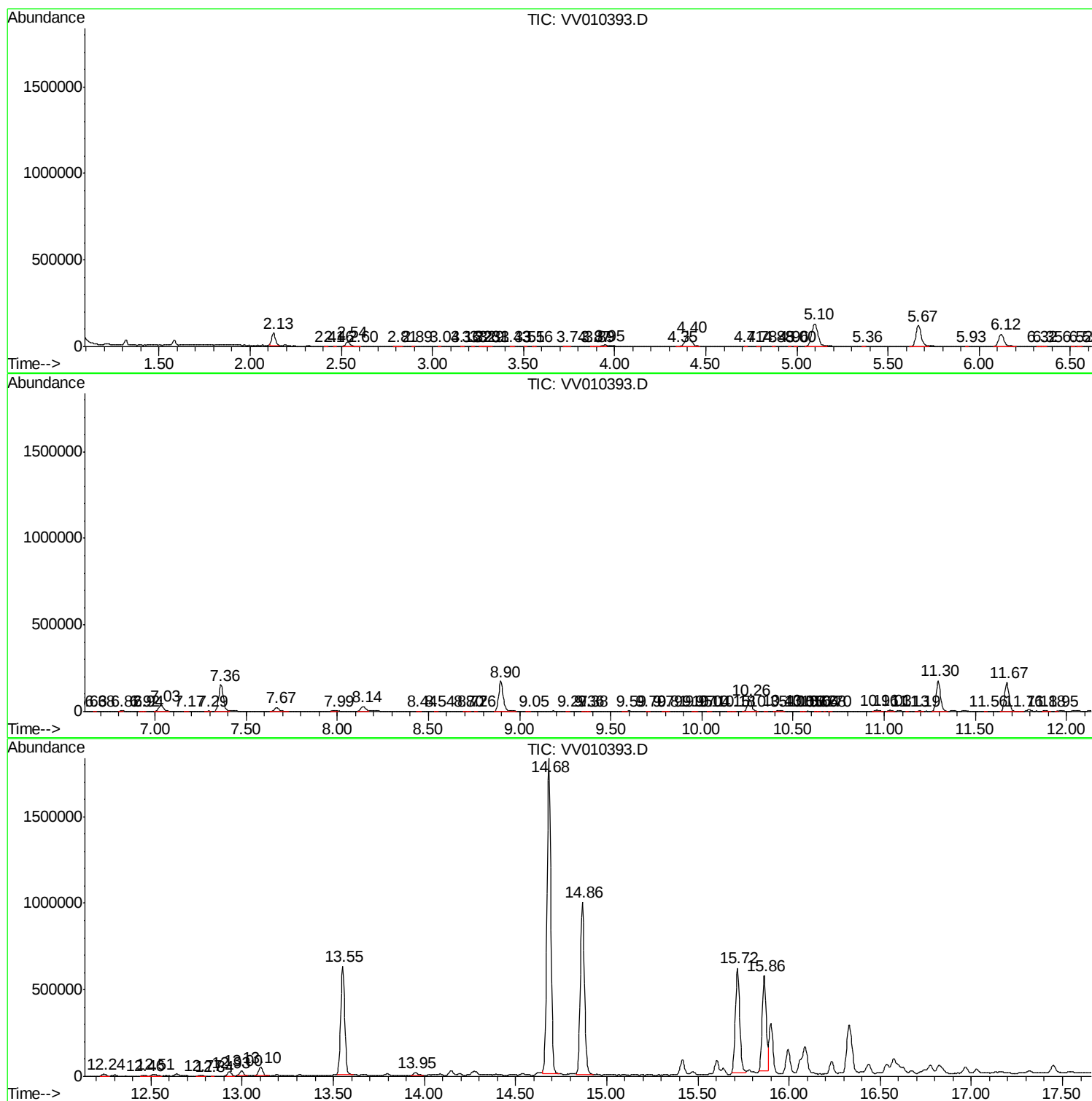
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
Quant Title : VOC Analysis

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



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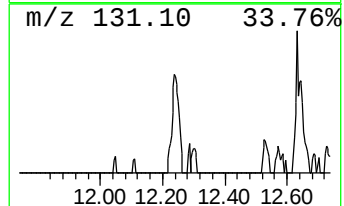
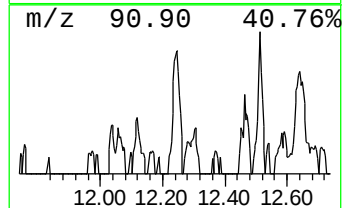
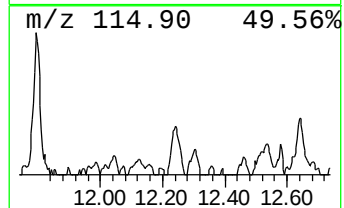
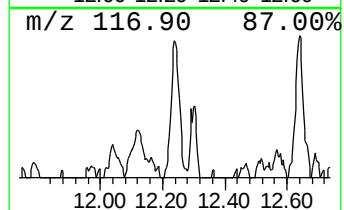
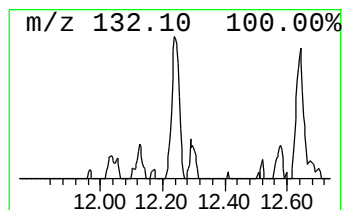
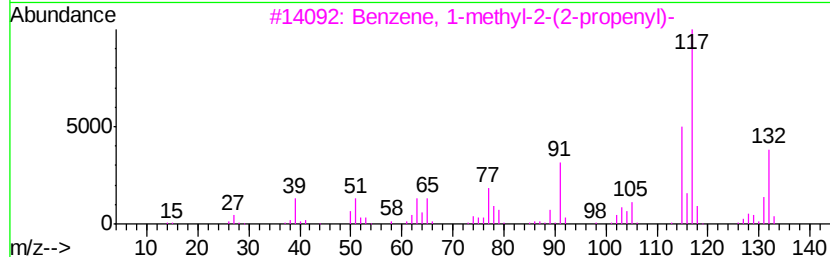
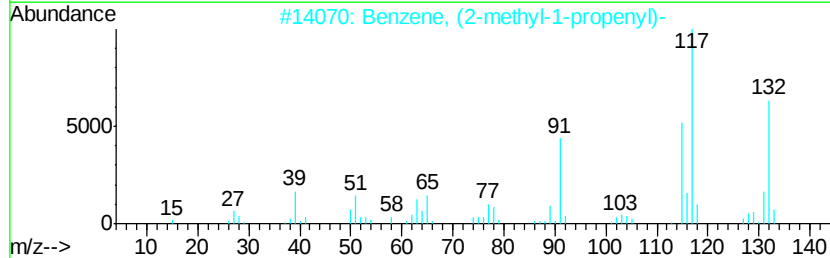
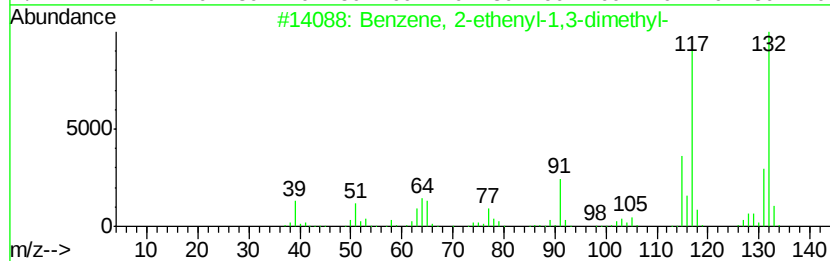
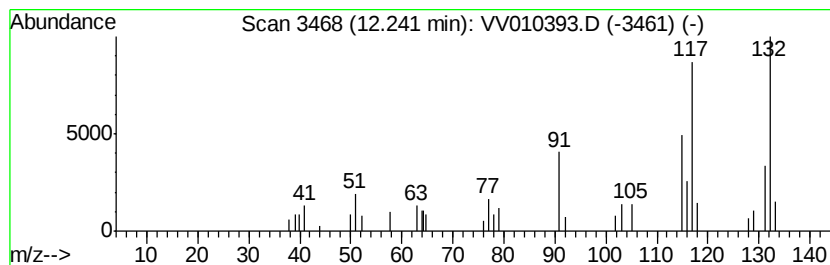
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
Quant Title : VOC Analysis

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

Peak Number 2 Benzene, 2-ethenyl-1,3-dime... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	1.58 ug/L	18216	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	90
2		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87
3		Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	80
4		Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	80
5		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	80



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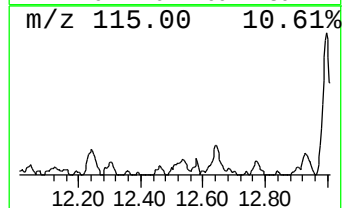
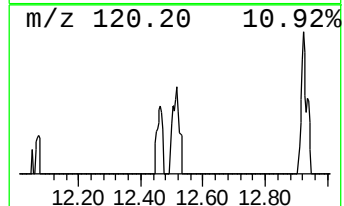
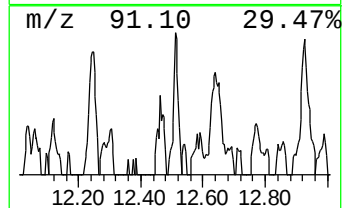
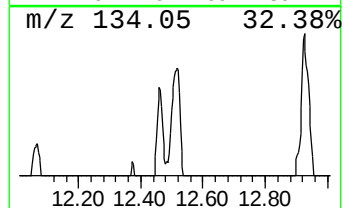
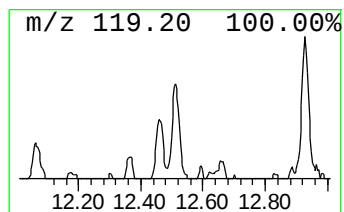
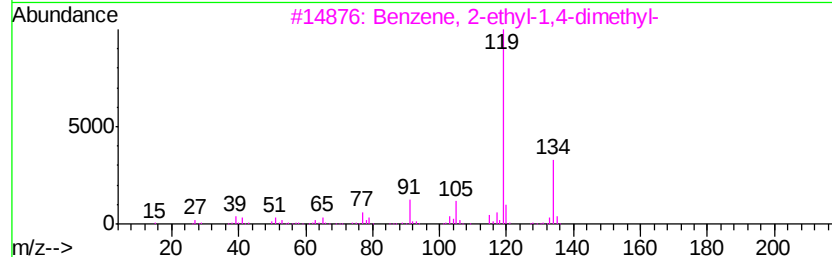
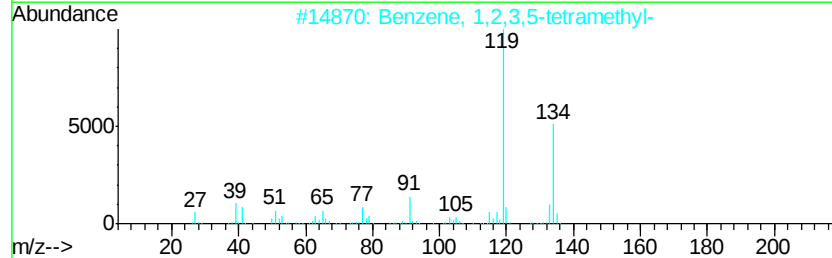
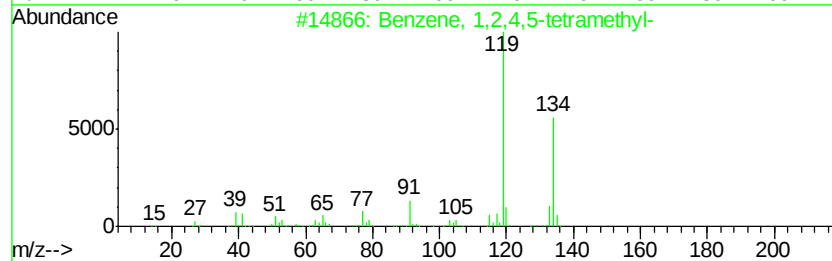
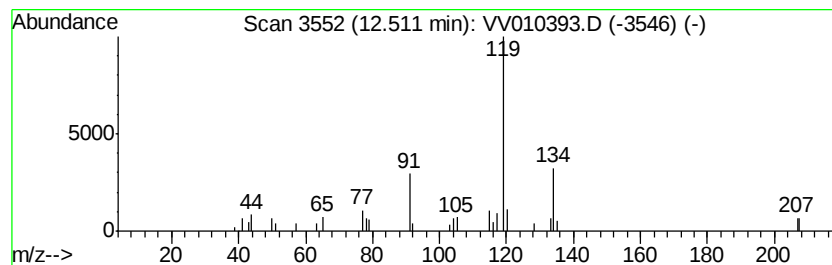
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Quant Title : VOC Analysis

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

Peak Number 3 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	1.61 ug/L	18613	1,4-Dichlorobenzene-d4	11.30

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	81
2			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	81
3			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	81
4			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	81
5			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	81



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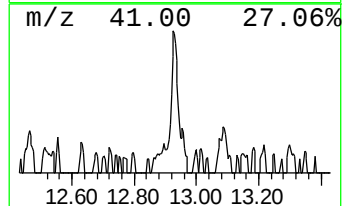
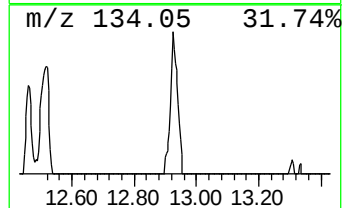
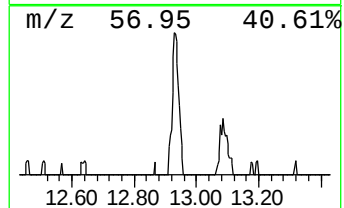
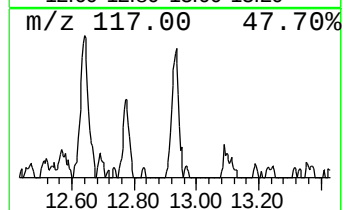
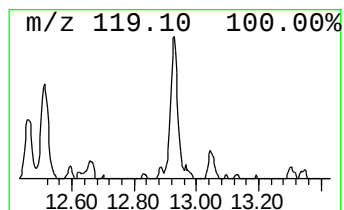
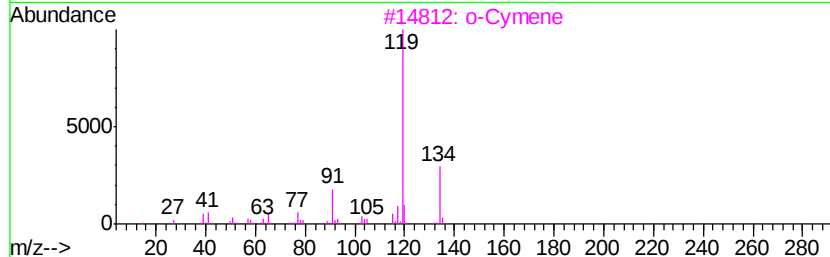
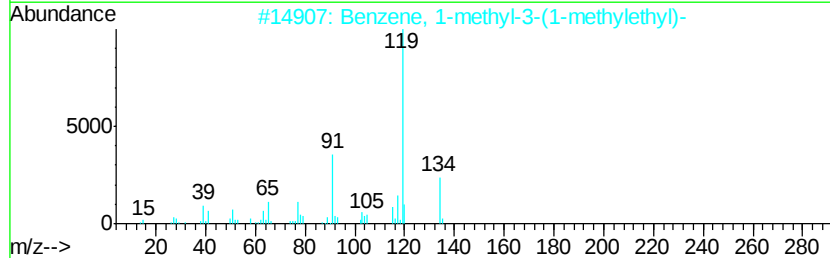
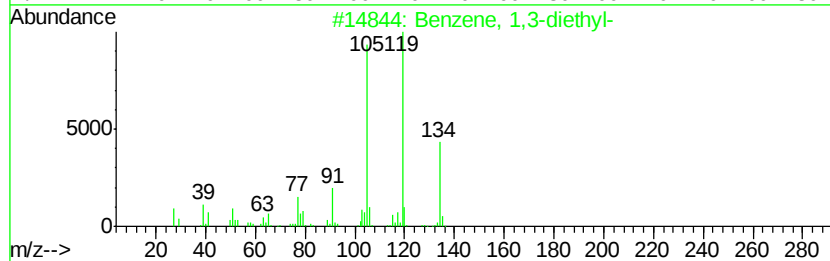
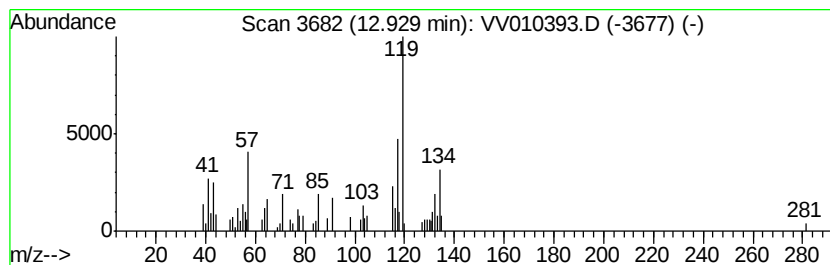
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Quant Title : VOC Analysis

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TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown-01 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	2.88 ug/L	33205	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	43
2		Benzene, 1-methyl-3-(1-methylethyl-)	134	C10H14	000535-77-3	43
3		o-Cymene	134	C10H14	000527-84-4	43
4		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	38
5		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV041819\
Data File : VV010393.D
Acq On : 19 Apr 2019 19:59
Operator : SY/MD
Sample : K2456-08
Misc : 5.07G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAHP6

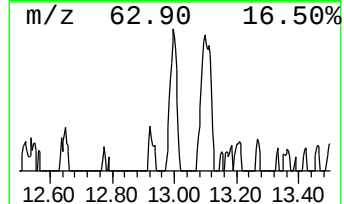
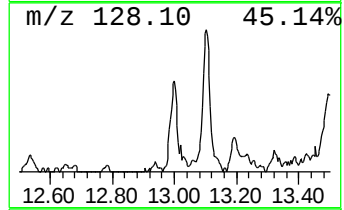
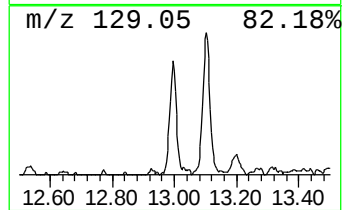
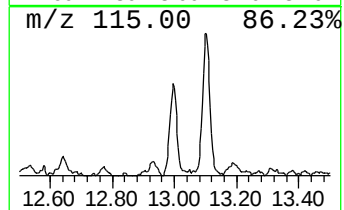
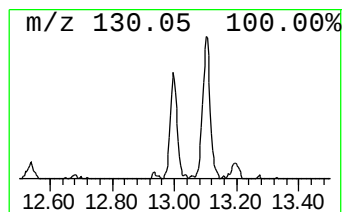
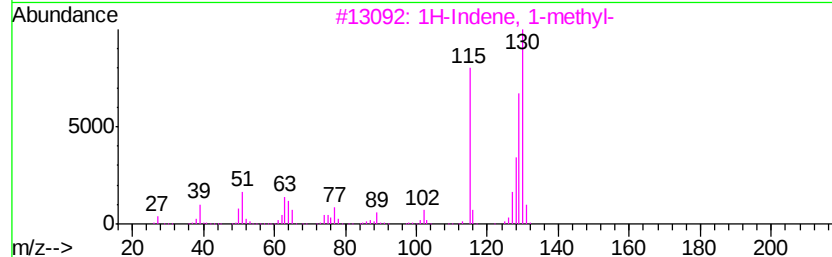
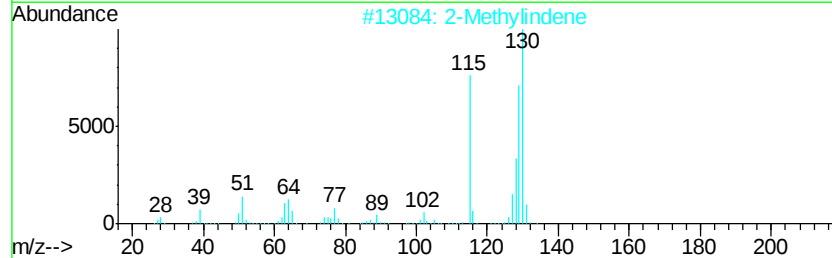
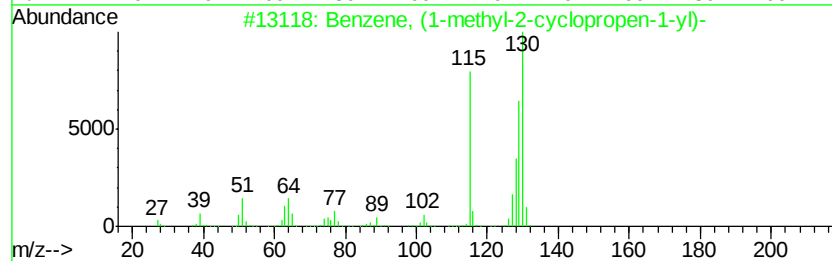
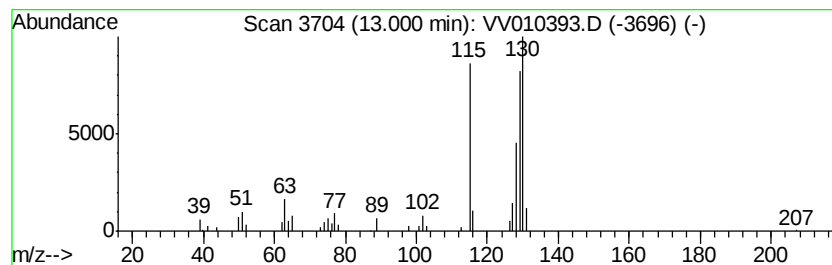
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Quant Title : VOC Analysis

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

Peak Number 5 Benzene, (1-methyl-2-cyclop... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	4.04 ug/L	46579	1,4-Dichlorobenzene-d4	11.30

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	91
2		2-Methylindene	130	C10H10	002177-47-1	91
3		1H-Indene, 1-methyl-	130	C10H10	000767-59-9	91
4		Cycloprop[alindene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	90
5		1H-Indene, 1-methyl-	130	C10H10	000767-59-9	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV041819\
Data File : VV010393.D
Acq On : 19 Apr 2019 19:59
Operator : SY/MD
Sample : K2456-08
Misc : 5.07G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAHP6

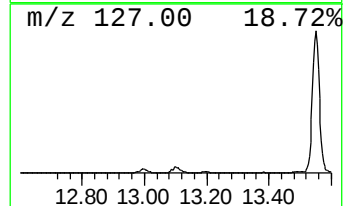
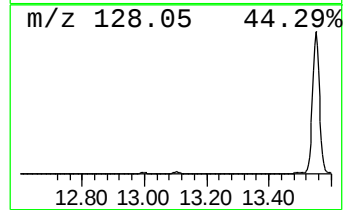
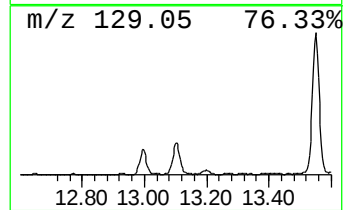
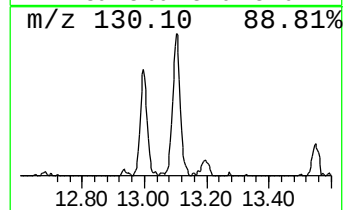
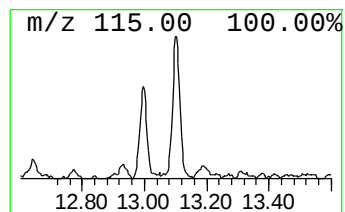
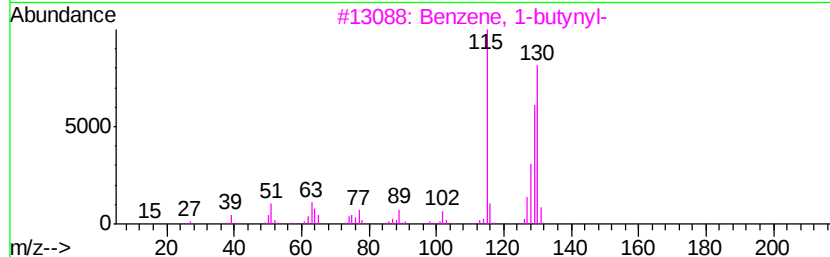
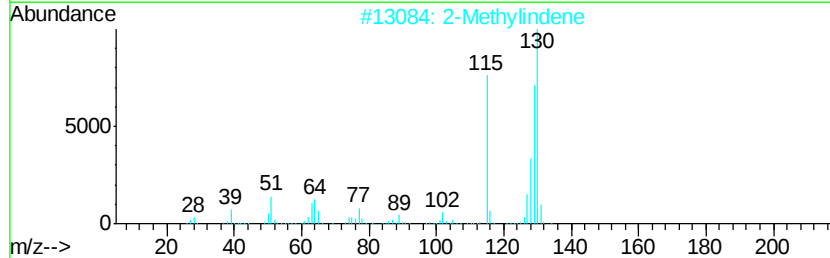
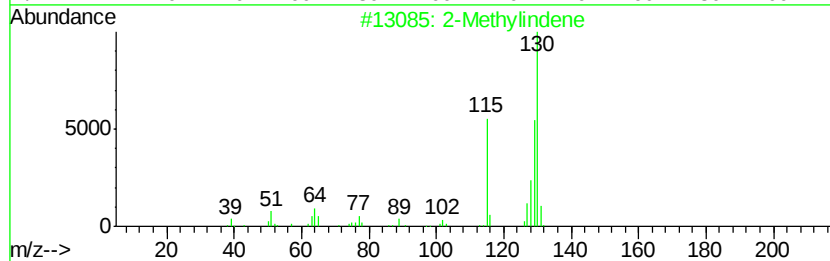
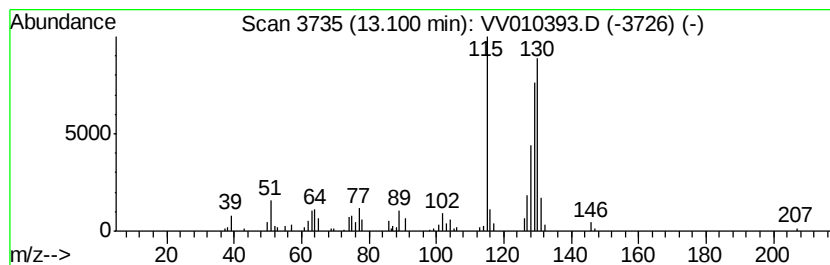
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Quant Title : VOC Analysis

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

Peak Number 6 2-Methylindene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	7.29 ug/L	84081	1,4-Dichlorobenzene-d4	11.30

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Methylindene	130	C10H10	002177-47-1	96
2			2-Methylindene	130	C10H10	002177-47-1	95
3			Benzene, 1-butynyl-	130	C10H10	000622-76-4	95
4			Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	95
5			1,4-Dihydronaphthalene	130	C10H10	000612-17-9	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV041819\
Data File : VV010393.D
Acq On : 19 Apr 2019 19:59
Operator : SY/MD
Sample : K2456-08
Misc : 5.07G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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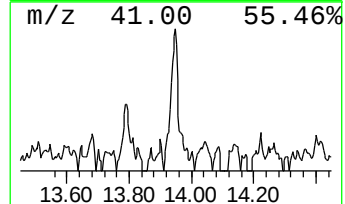
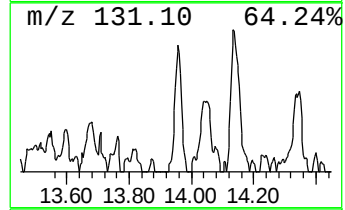
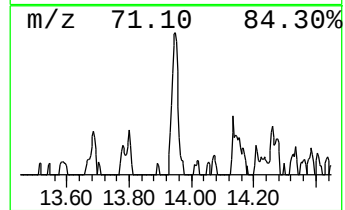
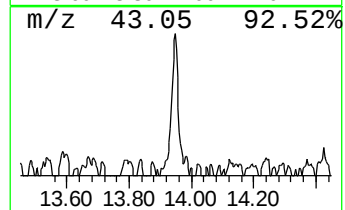
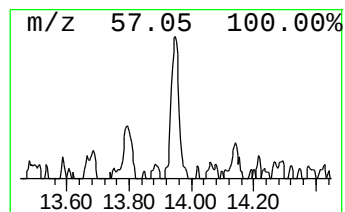
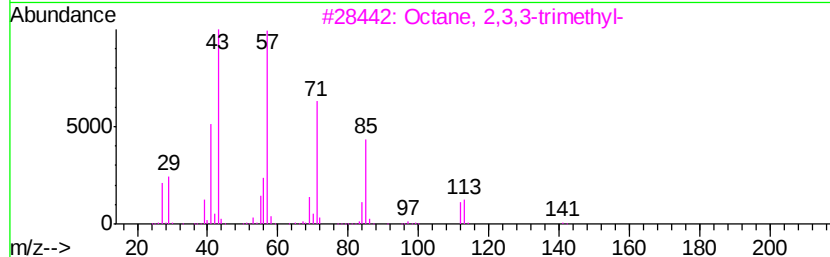
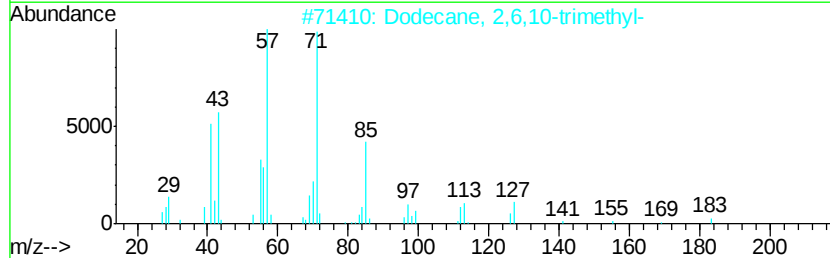
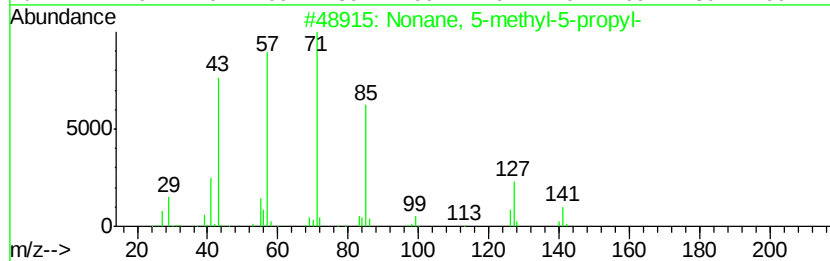
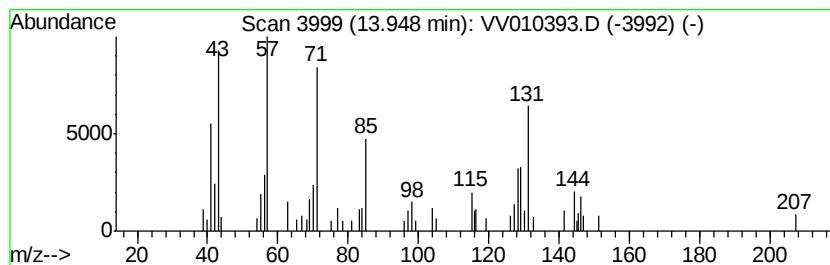
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Quant Title : VOC Analysis

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	2.82 ug/L	32576	1,4-Dichlorobenzene-d4	11.30

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	38
2		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	38
3		Octane, 2,3,3-trimethyl-	156	C11H24	062016-30-2	35
4		Nonane, 1-iodo-	254	C9H19I	004282-42-2	35
5		Octacosane	394	C28H58	000630-02-4	35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV041819\
Data File : VV010393.D
Acq On : 19 Apr 2019 19:59
Operator : SY/MD
Sample : K2456-08
Misc : 5.07G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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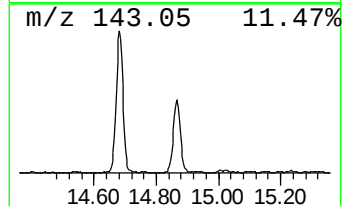
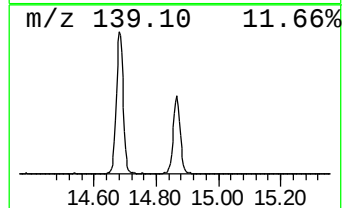
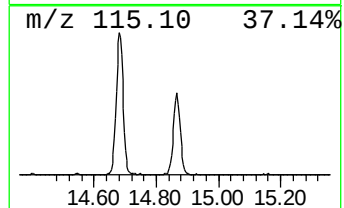
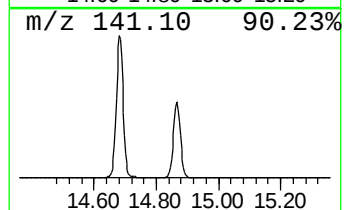
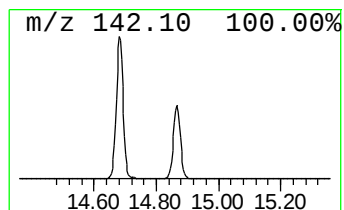
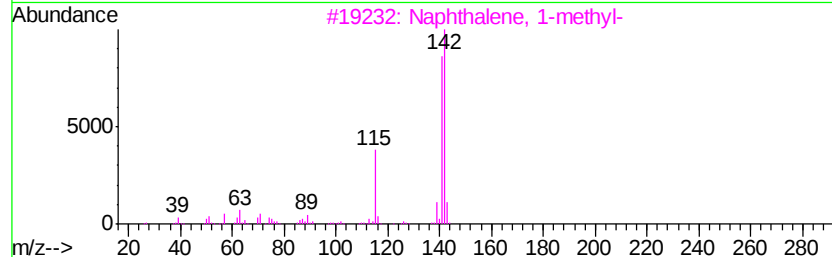
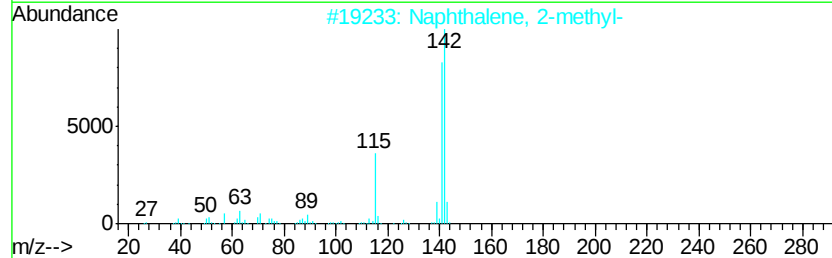
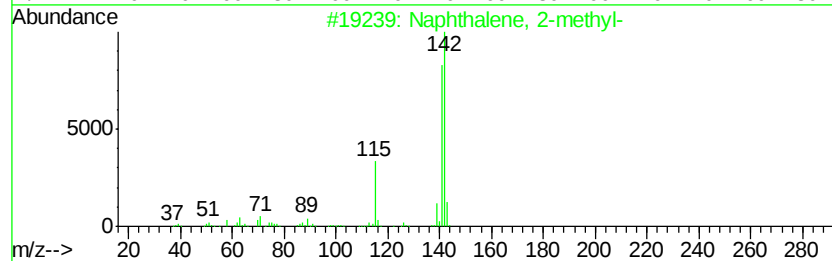
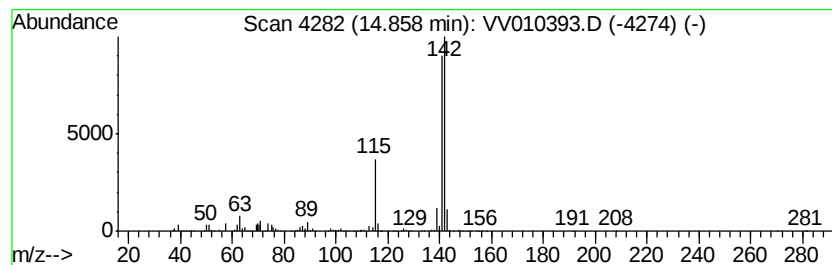
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Quant Title : VOC Analysis

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

Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	137.22 ug/L	1582690	1,4-Dichlorobenzene-d4	11.30

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		Benzocycloheptatriene	142	C11H10	000264-09-5	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV041819\
Data File : VV010393.D
Acq On : 19 Apr 2019 19:59
Operator : SY/MD
Sample : K2456-08
Misc : 5.07G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAHP6

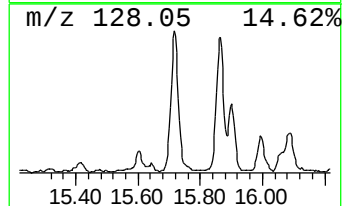
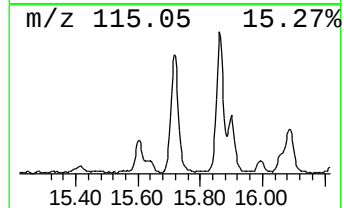
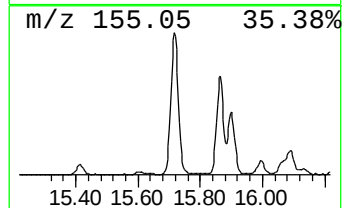
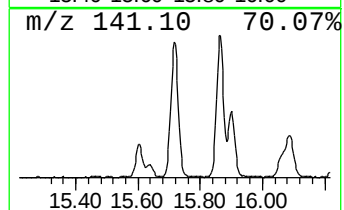
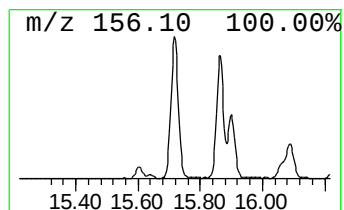
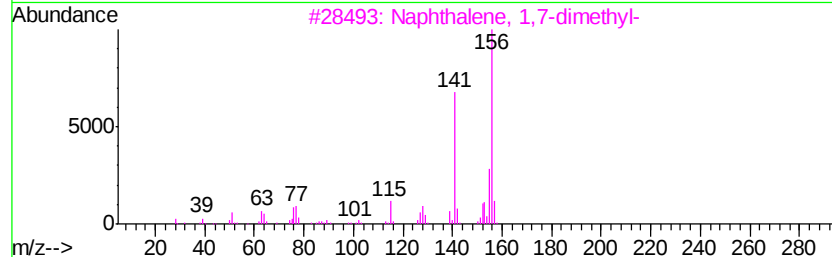
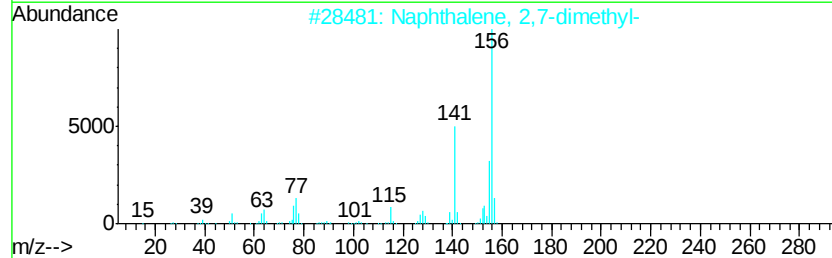
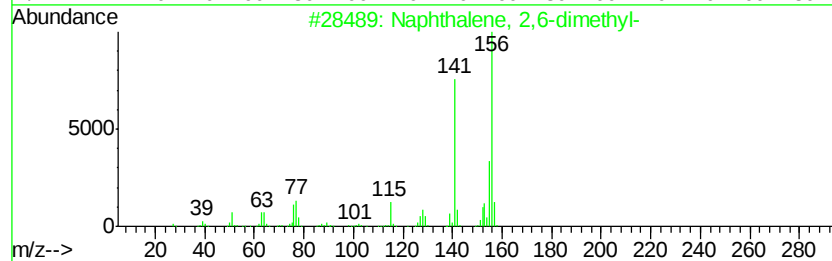
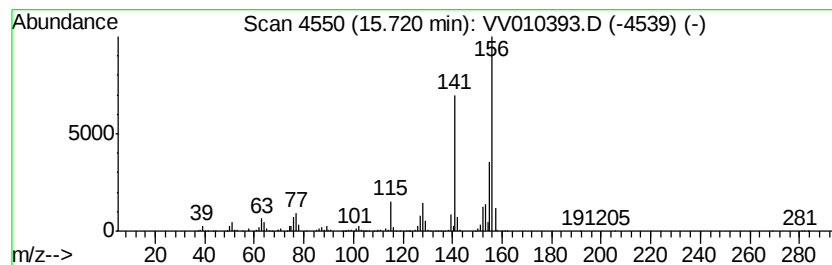
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Quant Title : VOC Analysis

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

Peak Number 11 Naphthalene, 2,6-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	88.16 ug/L	1016880	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, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV041819\
Data File : VV010393.D
Acq On : 19 Apr 2019 19:59
Operator : SY/MD
Sample : K2456-08
Misc : 5.07G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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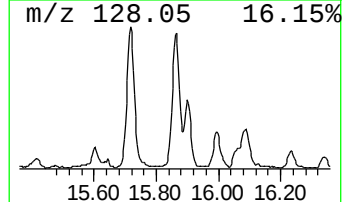
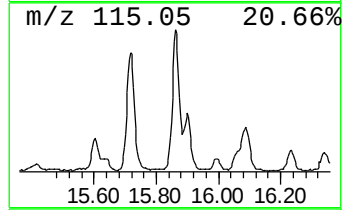
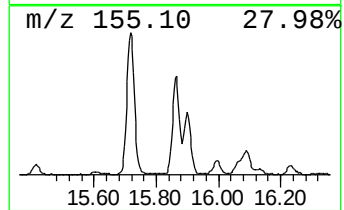
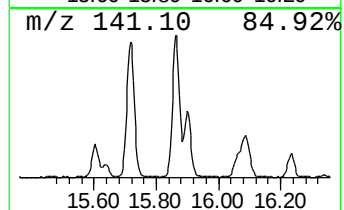
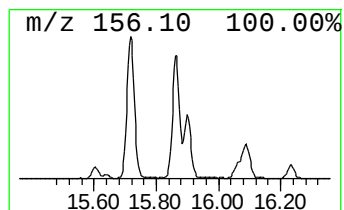
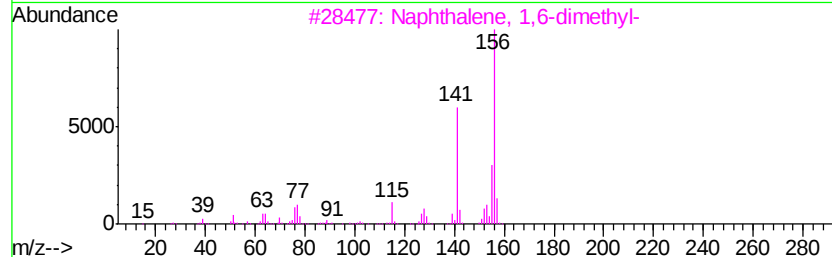
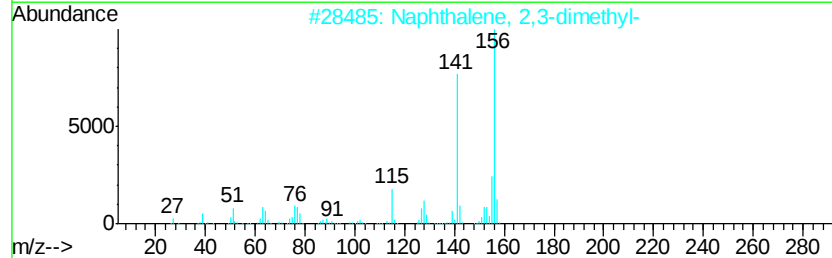
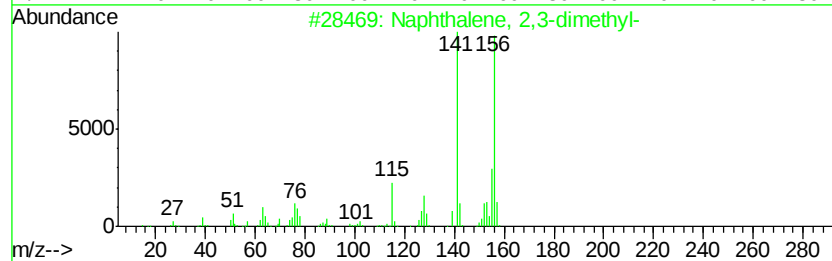
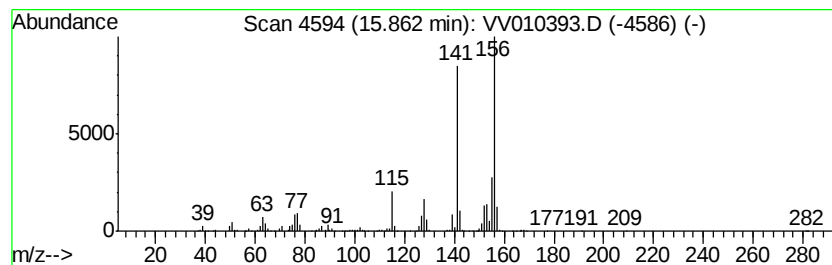
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Quant Title : VOC Analysis

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

Peak Number 12 Naphthalene, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.86	73.56 ug/L	848472	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041819\
Data File : VV010393.D
Acq On : 19 Apr 2019 19:59
Operator : SY/MD
Sample : K2456-08
Misc : 5.07G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAHP6

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
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Benzene, 1,2,4,5-...	12.51	1.6	ug/L	18613	3	11.30	288347	25.0
unknown-01	12.93	2.9	ug/L	33205	3	11.30	288347	25.0
Benzene, (1-methy...	13.00	4.0	ug/L	46579	3	11.30	288347	25.0
2-Methylindene	13.10	7.3	ug/L	84081	3	11.30	288347	25.0
(DEL) Alkane: Str...	13.95	2.8	ug/L	32576	3	11.30	288347	25.0
Naphthalene, 1-me...	14.86	137.2	ug/L	1582690	3	11.30	288347	25.0
Naphthalene, 2,6-...	15.72	88.2	ug/L	1016880	3	11.30	288347	25.0
Naphthalene, 2,3-...	15.86	73.6	ug/L	848472	3	11.30	288347	25.0