

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042319\
 Data File : VU031437.D
 Acq On : 23 Apr 2019 14:49
 Operator : JC/SP
 Sample : K2536-01 50X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0X21

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 0 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.395	88	95	108	rVB	353838	383943	15.50%	1.332%
2	1.682	177	184	197	rVB	272600	339157	13.69%	1.176%
3	2.267	357	366	380	rVB	589046	898040	36.25%	3.115%
4	2.508	438	441	442	rBV3	794	463	0.02%	0.002%
5	2.820	535	538	540	rBV2	1337	939	0.04%	0.003%
6	2.874	552	555	557	rBV2	734	521	0.02%	0.002%
7	2.984	586	589	592	rBV3	1020	727	0.03%	0.003%
8	3.038	600	606	609	rBV3	1049	1042	0.04%	0.004%
9	3.093	619	623	626	rBV2	878	748	0.03%	0.003%
10	3.164	643	645	648	rVB	436	215	0.01%	0.001%
11	3.286	681	683	684	rBV	368	130	0.01%	0.000%
12	3.325	693	695	697	rBV	156	88	0.00%	0.000%
13	3.337	697	699	701	rVB	309	131	0.01%	0.000%
14	3.350	701	703	705	rBV	448	240	0.01%	0.001%
15	3.379	709	712	717	rVB4	717	623	0.03%	0.002%
16	3.431	726	728	729	rBV	374	167	0.01%	0.001%
17	3.450	729	734	738	rVV2	523	583	0.02%	0.002%
18	3.473	738	741	743	rVV	434	234	0.01%	0.001%
19	3.527	756	758	760	rVB2	838	361	0.01%	0.001%
20	3.540	760	762	763	rBV	223	63	0.00%	0.000%
21	3.685	804	807	812	rVB2	787	581	0.02%	0.002%
22	3.714	812	816	820	rBV2	944	924	0.04%	0.003%
23	3.739	820	824	825	rBV	717	442	0.02%	0.002%
24	3.775	831	835	837	rBV3	678	616	0.02%	0.002%
25	3.846	853	857	859	rBV2	597	462	0.02%	0.002%
26	3.858	859	861	862	rVV2	398	136	0.01%	0.000%
27	3.916	875	879	882	rBV3	628	567	0.02%	0.002%
28	3.952	887	890	893	rVB3	735	518	0.02%	0.002%
29	3.974	893	897	899	rBV2	690	550	0.02%	0.002%
30	4.006	905	907	913	rVB2	531	518	0.02%	0.002%
31	4.038	913	917	920	rBV	737	587	0.02%	0.002%
32	4.145	946	950	952	rBV2	817	606	0.02%	0.002%
33	4.193	952	965	1008	rBV	199978	697632	28.16%	2.420%
34	4.643	1089	1105	1132	rBV2	394100	934917	37.74%	3.243%

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 Title : VOC Analysis

35	4.810	1152	1157	1159	rBV5	970	1065	0.04%	0.004%
36	5.074	1237	1239	1242	rBV3	385	267	0.01%	0.001%
37	5.090	1242	1244	1246	rVV2	423	184	0.01%	0.001%
38	5.109	1246	1250	1251	rBV2	447	270	0.01%	0.001%
39	5.119	1251	1253	1257	rBV2	716	564	0.02%	0.002%
40	5.334	1297	1320	1358	rBV2	826442	2477230	100.00%	8.593%
41	5.752	1445	1450	1453	rBV4	1379	1207	0.05%	0.004%
42	5.881	1476	1490	1526	rBV	769560	1598999	64.55%	5.546%
43	6.183	1571	1584	1608	rBV3	97820	211649	8.54%	0.734%
44	6.328	1616	1629	1654	rBV	520319	1073664	43.34%	3.724%
45	6.575	1703	1706	1707	rBV3	712	409	0.02%	0.001%
46	6.723	1750	1752	1755	rVB	343	154	0.01%	0.001%
47	6.749	1758	1760	1762	rBV	519	239	0.01%	0.001%
48	6.797	1773	1775	1777	rVB3	769	222	0.01%	0.001%
49	6.813	1777	1780	1782	rBV2	400	232	0.01%	0.001%
50	6.861	1793	1795	1796	rBV2	290	87	0.00%	0.000%
51	6.913	1810	1811	1812	rBV	413	91	0.00%	0.000%
52	6.926	1812	1815	1817	rVV2	579	400	0.02%	0.001%
53	6.948	1820	1822	1825	rBV2	393	191	0.01%	0.001%
54	6.968	1825	1828	1831	rBV	338	214	0.01%	0.001%
55	6.997	1831	1837	1840	rBV3	800	835	0.03%	0.003%
56	7.109	1870	1872	1873	rBV	218	65	0.00%	0.000%
57	7.135	1878	1880	1882	rVB2	442	199	0.01%	0.001%
58	7.151	1882	1885	1887	rBV2	382	182	0.01%	0.001%
59	7.167	1887	1890	1891	rBV	601	323	0.01%	0.001%
60	7.225	1896	1908	1933	rBV	282908	540586	21.82%	1.875%
61	7.562	1999	2013	2048	rBV	1030044	1922040	77.59%	6.667%
62	7.849	2091	2102	2122	rBV	188385	341623	13.79%	1.185%
63	8.173	2202	2203	2204	rBV2	512	142	0.01%	0.000%
64	8.196	2208	2210	2213	rVB2	812	401	0.02%	0.001%
65	8.228	2215	2220	2226	rVB7	1386	1328	0.05%	0.005%
66	8.312	2234	2246	2286	rBV	749377	1437739	58.04%	4.987%
67	8.691	2362	2364	2366	rBV3	806	440	0.02%	0.002%
68	8.948	2442	2444	2446	rBV3	680	295	0.01%	0.001%
69	8.984	2454	2455	2457	rBV	420	208	0.01%	0.001%
70	9.086	2474	2487	2524	rBV	1077303	1885501	76.11%	6.540%
71	9.254	2537	2539	2543	rBV4	1352	752	0.03%	0.003%

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72	9.498	2612	2615	2616	rBV	613	356	0.01%	0.001%
73	9.556	2630	2633	2634	rBV	727	407	0.02%	0.001%
74	9.585	2640	2642	2643	rBV	576	205	0.01%	0.001%
75	9.617	2647	2652	2656	rBV2	1110	1093	0.04%	0.004%
76	9.713	2676	2682	2687	rBV2	702	683	0.03%	0.002%
77	9.919	2743	2746	2749	rBV3	541	473	0.02%	0.002%
78	9.993	2767	2769	2772	rBV2	769	525	0.02%	0.002%
79	10.038	2780	2783	2786	rBV3	704	450	0.02%	0.002%
80	10.057	2786	2789	2793	rVV2	999	796	0.03%	0.003%
81	10.077	2793	2795	2799	rVB2	684	383	0.02%	0.001%
82	10.115	2801	2807	2812	rBV2	865	1158	0.05%	0.004%
83	10.328	2869	2873	2874	rBV2	750	575	0.02%	0.002%
84	10.382	2886	2890	2892	rBV3	825	658	0.03%	0.002%
85	10.427	2892	2904	2932	rVV	687485	1123081	45.34%	3.896%
86	10.852	3034	3036	3037	rBV2	459	206	0.01%	0.001%
87	10.945	3062	3065	3066	rBV	1366	711	0.03%	0.002%
88	11.479	3220	3231	3257	rBV	1029632	1668232	67.34%	5.787%
89	11.855	3337	3348	3368	rBV	955708	1579637	63.77%	5.479%
90	13.742	3924	3935	3952	rBV	344879	612879	24.74%	2.126%
91	14.874	4276	4287	4310	rBV	1247765	2027292	81.84%	7.032%
92	15.057	4335	4344	4364	rVB	503103	851168	34.36%	2.952%
93	15.604	4506	4514	4526	rBV	190378	292729	11.82%	1.015%
94	15.909	4598	4609	4625	rBV	1145555	1905902	76.94%	6.611%
95	16.054	4645	4654	4661	rBV	848061	1303114	52.60%	4.520%
96	16.186	4686	4695	4708	rBV	705182	1097997	44.32%	3.809%
97	16.523	4790	4800	4818	rVB3	850566	1590830	64.22%	5.518%

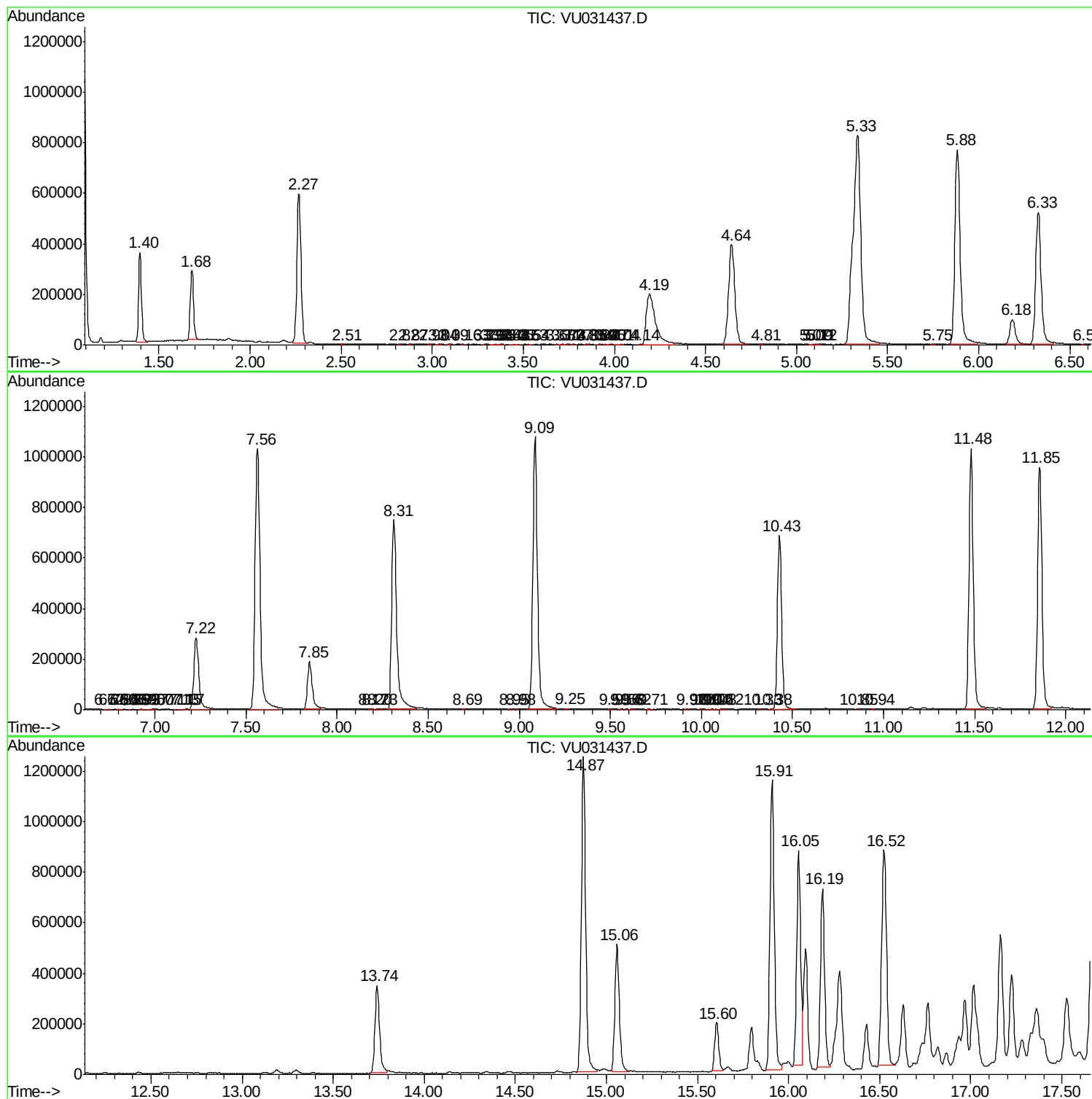
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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



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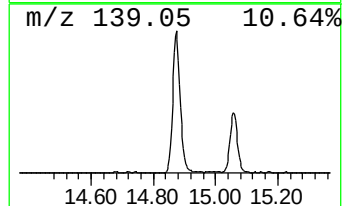
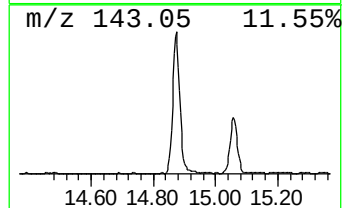
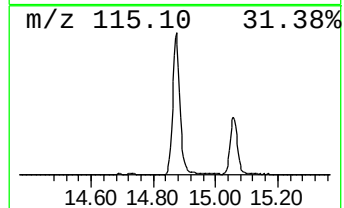
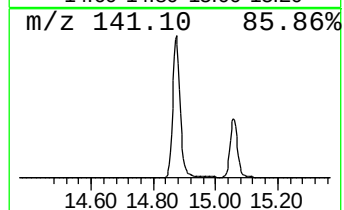
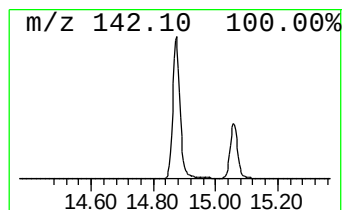
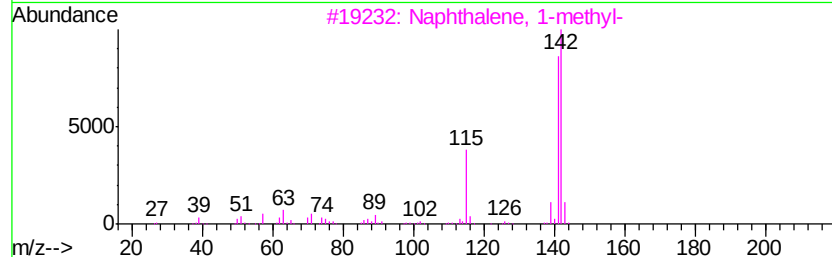
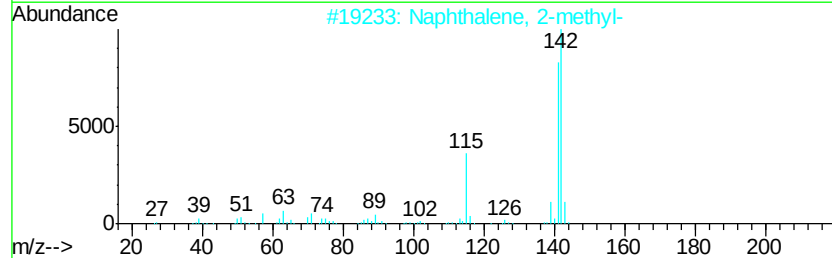
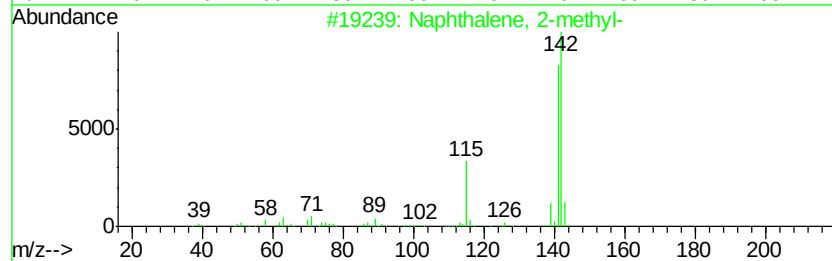
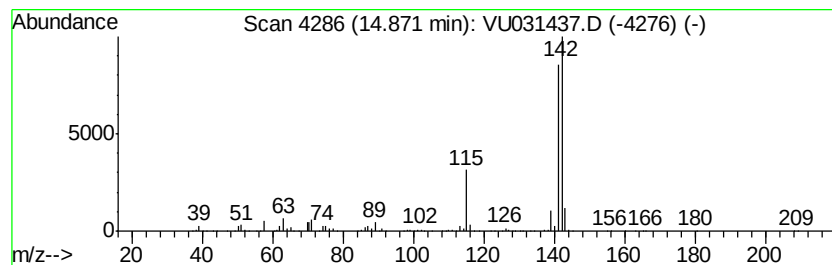
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	60.76 ug/L	2027290	1,4-Dichlorobenzene-d4	11.48

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		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	90



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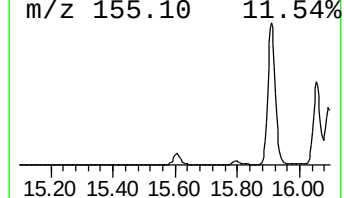
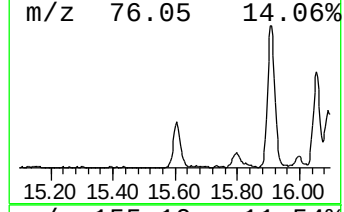
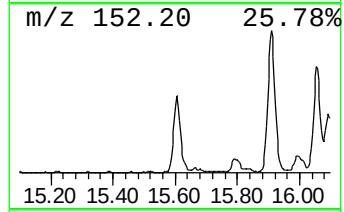
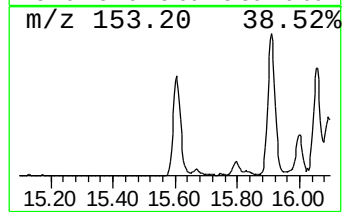
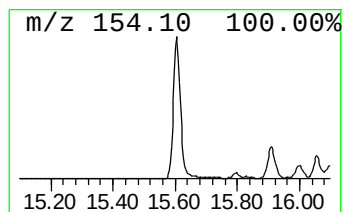
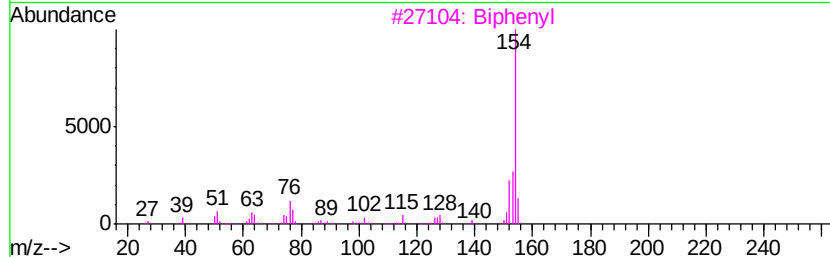
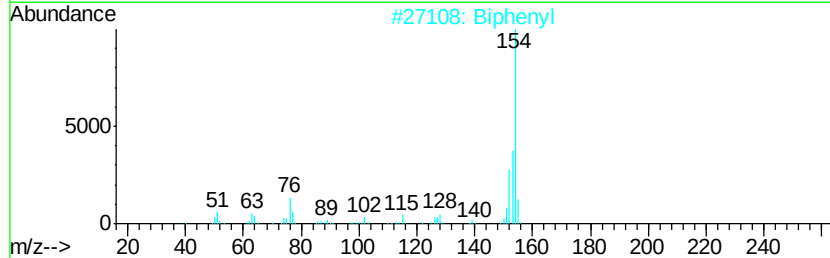
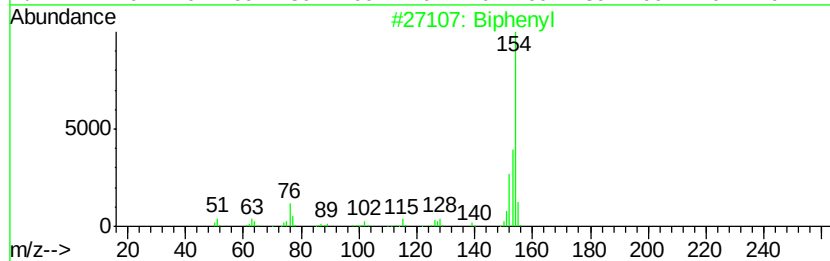
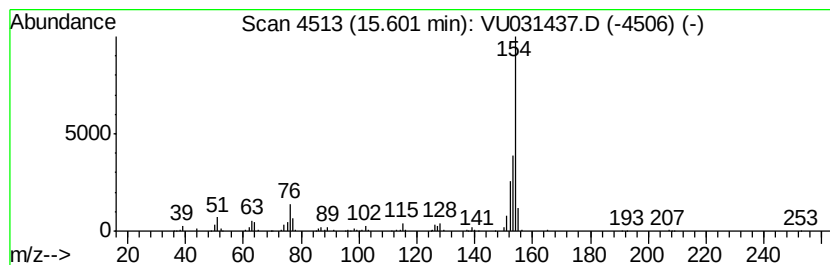
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

Peak Number 5 Biphenyl Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.60	8.77 ug/L	292729	1,4-Dichlorobenzene-d4	11.48

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenyl		154	C12H10	000092-52-4	95
2	Biphenyl		154	C12H10	000092-52-4	95
3	Biphenyl		154	C12H10	000092-52-4	94
4	Biphenyl		154	C12H10	000092-52-4	87
5	Biphenyl		154	C12H10	000092-52-4	87



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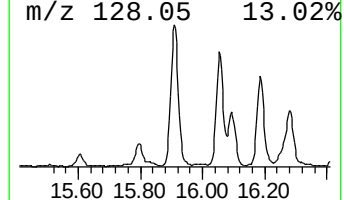
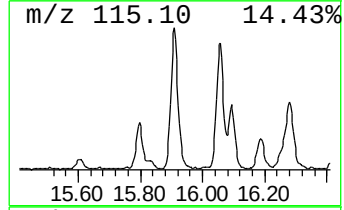
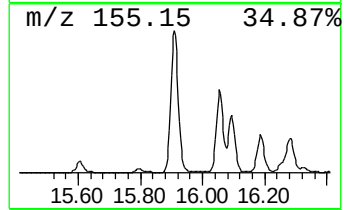
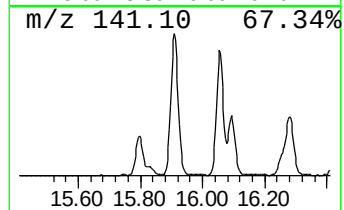
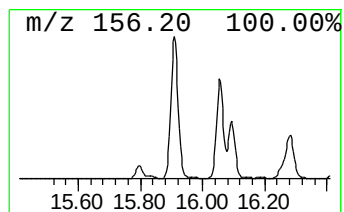
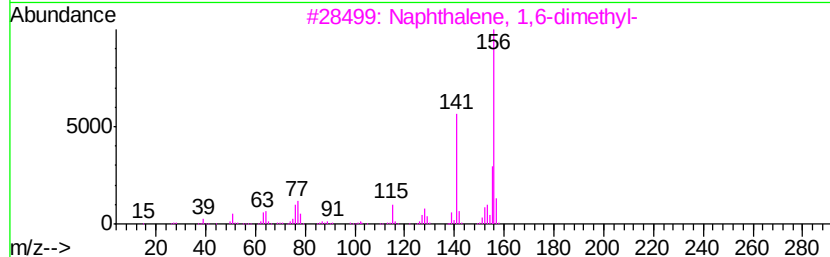
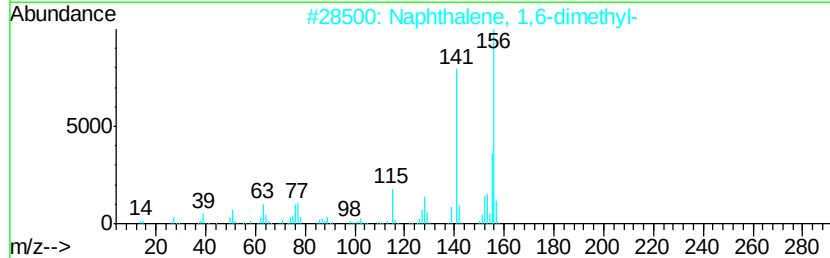
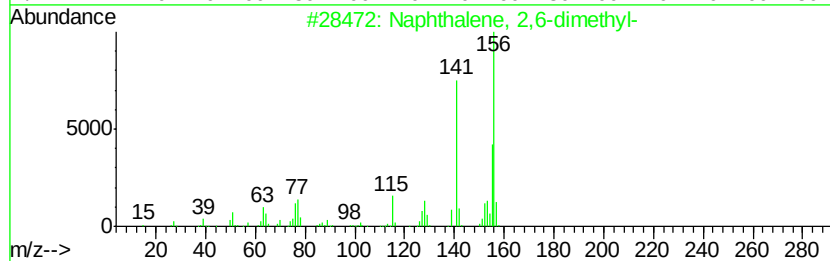
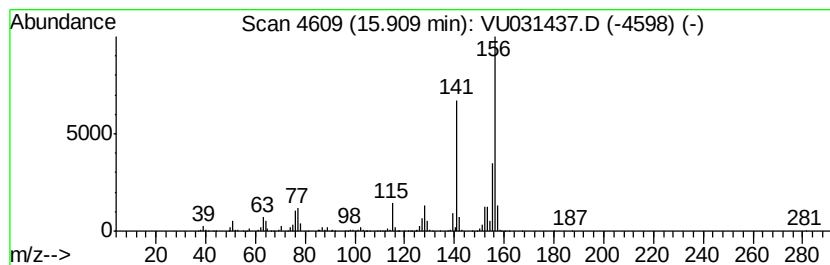
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Quant Title : VOC Analysis

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	57.12 ug/L	1905900	1,4-Dichlorobenzene-d4	11.48
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0 98
2		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 97
3		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 97
4		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 97
5		Naphthalene, 1,7-dimethyl-	156 C12H12	000575-37-1 97



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ALS Vial : 16 Sample Multiplier: 1

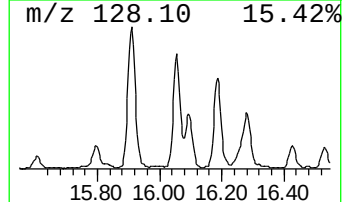
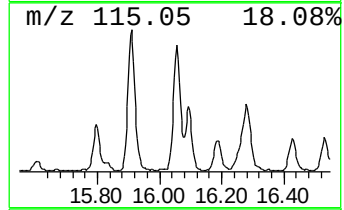
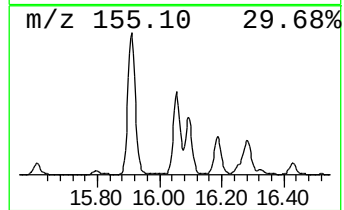
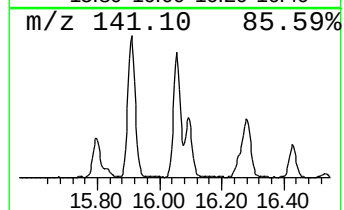
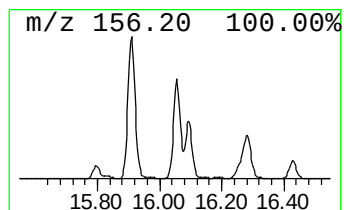
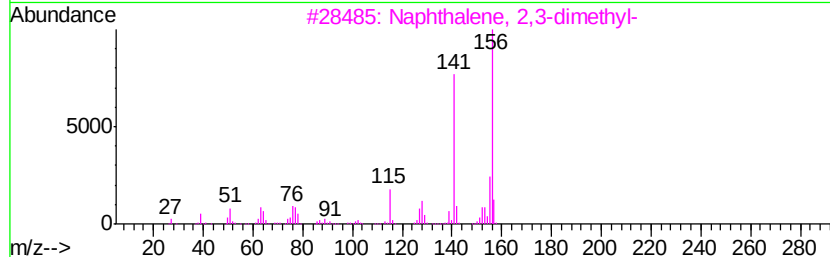
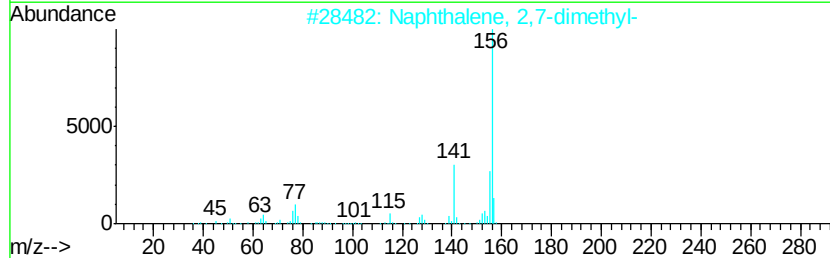
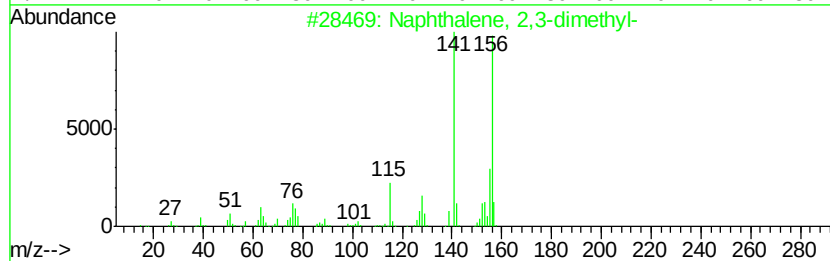
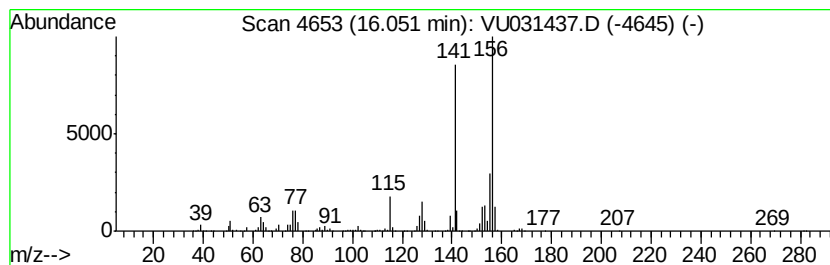
Instrument :
MSVOA_U
ClientSampleId :
C0X21

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

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

Peak Number 7 Naphthalene, 2,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	39.06 ug/L	1303110	1,4-Dichlorobenzene-d4	11.48
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 98
2		Naphthalene, 2,7-dimethyl-	156 C12H12	000582-16-1 97
3		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 97
4		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 97
5		Naphthalene, 1,7-dimethyl-	156 C12H12	000575-37-1 97



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042319\
Data File : VU031437.D
Acq On : 23 Apr 2019 14:49
Operator : JC/SP
Sample : K2536-01 50X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0X21

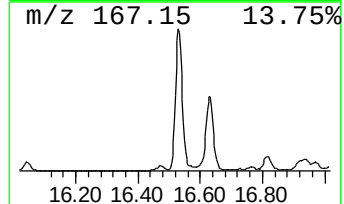
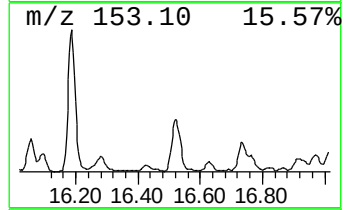
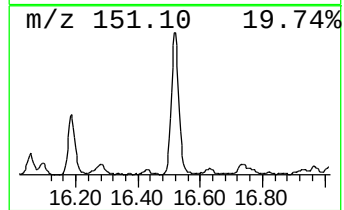
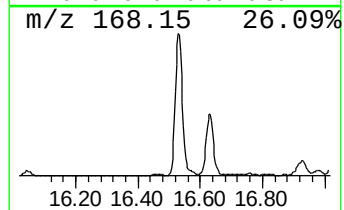
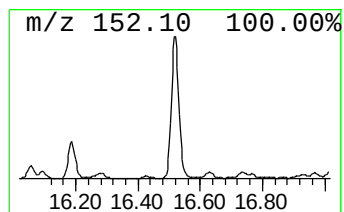
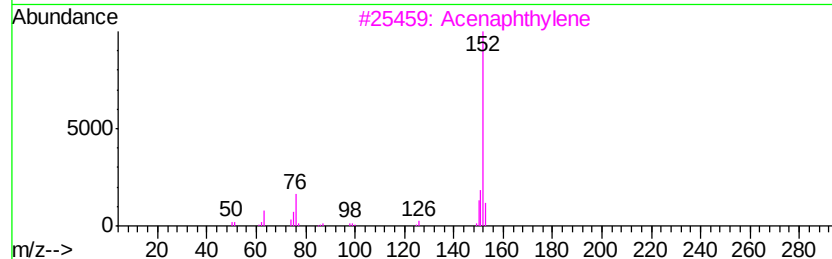
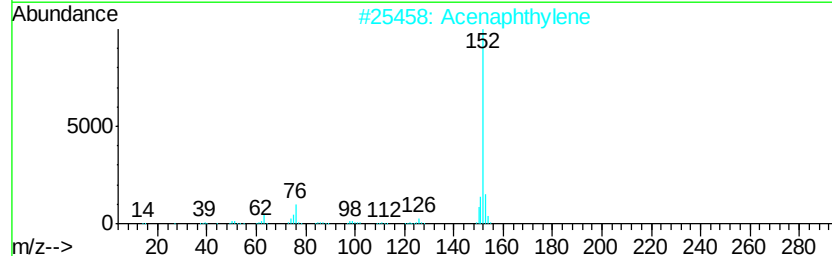
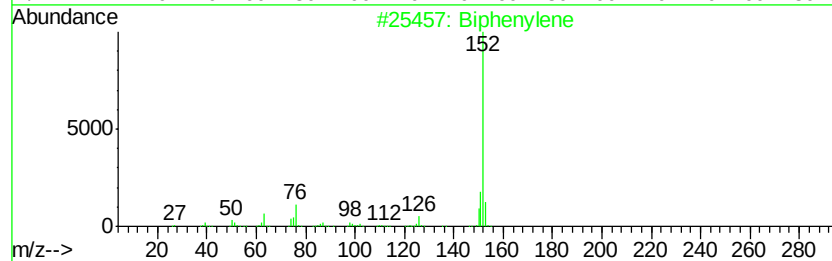
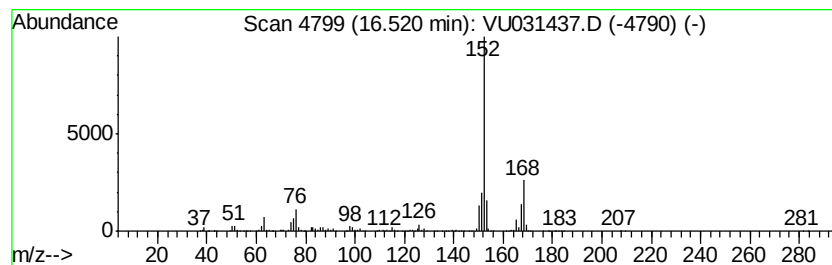
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Quant Title : VOC Analysis

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

Peak Number 9 Biphenylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.52	47.68 ug/L	1590830	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Biphenylene	152	C12H8	000259-79-0	92
2		Acenaphthylene	152	C12H8	000208-96-8	70
3		Acenaphthylene	152	C12H8	000208-96-8	64
4		Biphenylene	152	C12H8	000259-79-0	64
5		1-acenaphthenol, trifluoroacetat...	266	C14H9F3O2	1000376-45-2	52



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Data File : VU031437.D
Acq On : 23 Apr 2019 14:49
Operator : JC/SP
Sample : K2536-01 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0X21

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Naphthalene, 1-me...	14.87	60.8	ug/L	2027290	3	11.48	1668230	50.0
Biphenyl	15.60	8.8	ug/L	292729	3	11.48	1668230	50.0
Naphthalene, 2,6-...	15.91	57.1	ug/L	1905900	3	11.48	1668230	50.0
Naphthalene, 2,3-...	16.05	39.1	ug/L	1303110	3	11.48	1668230	50.0
Biphenylene	16.52	47.7	ug/L	1590830	3	11.48	1668230	50.0