

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042319\
 Data File : VU031442.D
 Acq On : 23 Apr 2019 16:46
 Operator : JC/SP
 Sample : K2536-04 50X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0X24

Integration Parameters: LSCINT.P

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

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

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

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.180	23	28	40	rVB2	20116	19427	0.73%	0.082%
2	1.396	88	95	106	rVB	353387	379950	14.33%	1.595%
3	1.682	176	184	197	rBV	287905	363092	13.69%	1.524%
4	2.267	356	366	380	rVB	613134	935967	35.30%	3.930%
5	2.463	422	427	428	rBV4	1217	862	0.03%	0.004%
6	2.486	432	434	439	rVB2	1726	929	0.04%	0.004%
7	2.576	459	462	467	rBV5	899	1022	0.04%	0.004%
8	2.659	486	488	491	rVB3	1272	629	0.02%	0.003%
9	2.698	491	500	501	rBV6	2854	2955	0.11%	0.012%
10	2.759	516	519	523	rVB3	1088	798	0.03%	0.003%
11	2.836	538	543	544	rBV2	942	813	0.03%	0.003%
12	2.913	562	567	569	rBV3	1012	936	0.04%	0.004%
13	2.971	582	585	591	rVB5	1165	1178	0.04%	0.005%
14	3.350	700	703	708	rVB2	809	730	0.03%	0.003%
15	3.379	708	712	717	rBV2	1046	998	0.04%	0.004%
16	3.524	754	757	760	rVB3	785	609	0.02%	0.003%
17	3.633	788	791	793	rVV	930	587	0.02%	0.002%
18	3.659	795	799	803	rVV3	812	829	0.03%	0.003%
19	3.695	805	810	816	rVV2	863	1100	0.04%	0.005%
20	3.746	820	826	829	rBV4	690	746	0.03%	0.003%
21	3.781	834	837	840	rVB4	814	642	0.02%	0.003%
22	3.797	840	842	847	rBV3	561	608	0.02%	0.003%
23	4.193	948	965	996	rBV	236441	756271	28.52%	3.175%
24	4.643	1089	1105	1126	rBV	422277	1003250	37.84%	4.212%
25	4.862	1168	1173	1175	rBV5	1388	1252	0.05%	0.005%
26	4.881	1175	1179	1183	rVV4	2459	2613	0.10%	0.011%
27	4.977	1203	1209	1210	rBV3	2004	1837	0.07%	0.008%
28	5.138	1254	1259	1264	rBV3	1408	1542	0.06%	0.006%
29	5.186	1271	1274	1281	rBV5	756	866	0.03%	0.004%
30	5.215	1281	1283	1293	rVB4	693	831	0.03%	0.003%
31	5.334	1294	1320	1357	rBV2	886150	2651388	100.00%	11.132%
32	5.582	1394	1397	1401	rBV3	1226	850	0.03%	0.004%
33	5.604	1401	1404	1408	rVB2	1111	681	0.03%	0.003%
34	5.739	1443	1446	1452	rBV5	980	887	0.03%	0.004%

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Integration Parameters: LSCINT.P

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

35	5.881	1473	1490	1524	rBV	832390	1738183	65.56%	7.298%
36	6.129	1565	1567	1570	rVB3	1037	591	0.02%	0.002%
37	6.183	1570	1584	1603	rBV3	83865	181750	6.85%	0.763%
38	6.328	1614	1629	1666	rBV	577226	1207264	45.53%	5.069%
39	6.595	1709	1712	1717	rBV5	1523	1246	0.05%	0.005%
40	6.665	1731	1734	1739	rBV4	919	1058	0.04%	0.004%
41	6.727	1750	1753	1759	rVB3	1053	941	0.04%	0.004%
42	6.887	1801	1803	1808	rVB4	843	700	0.03%	0.003%
43	6.987	1830	1834	1837	rBV3	842	582	0.02%	0.002%
44	7.022	1842	1845	1848	rVB3	1143	716	0.03%	0.003%
45	7.058	1854	1856	1861	rVB2	1237	852	0.03%	0.004%
46	7.093	1861	1867	1871	rVB4	723	785	0.03%	0.003%
47	7.128	1871	1878	1881	rBV6	1004	1113	0.04%	0.005%
48	7.225	1895	1908	1939	rBV	326724	619794	23.38%	2.602%
49	7.563	1999	2013	2059	rBV	1127983	2117587	79.87%	8.891%
50	7.849	2090	2102	2125	rBV	213095	399184	15.06%	1.676%
51	8.064	2167	2169	2175	rVB5	1042	888	0.03%	0.004%
52	8.170	2198	2202	2206	rBV3	1093	1215	0.05%	0.005%
53	8.222	2213	2218	2230	rBV3	3117	5289	0.20%	0.022%
54	8.312	2234	2246	2287	rBV	915826	1703615	64.25%	7.153%
55	8.495	2300	2303	2311	rVB6	2854	2961	0.11%	0.012%
56	8.759	2382	2385	2387	rBV4	1171	729	0.03%	0.003%
57	8.813	2400	2402	2408	rVB4	1544	1211	0.05%	0.005%
58	8.903	2427	2430	2439	rVV6	1361	1490	0.06%	0.006%
59	8.990	2454	2457	2460	rBV3	1107	910	0.03%	0.004%
60	9.087	2472	2487	2508	rBV	1197263	2054885	77.50%	8.627%
61	9.289	2547	2550	2553	rBV5	1716	1204	0.05%	0.005%
62	9.325	2559	2561	2564	rVB3	1398	664	0.03%	0.003%
63	9.379	2568	2578	2591	rVB7	6049	13204	0.50%	0.055%
64	9.591	2640	2644	2647	rBV3	1388	1176	0.04%	0.005%
65	9.643	2657	2660	2662	rBV4	902	583	0.02%	0.002%
66	9.701	2676	2678	2682	rVB2	965	641	0.02%	0.003%
67	9.723	2682	2685	2688	rBV2	826	574	0.02%	0.002%
68	9.781	2696	2703	2707	rBV5	2800	3748	0.14%	0.016%
69	9.881	2730	2734	2739	rVB5	1534	1441	0.05%	0.006%
70	9.919	2743	2746	2749	rVV3	1124	911	0.03%	0.004%
71	9.942	2751	2753	2755	rVV4	1005	573	0.02%	0.002%

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Integration Parameters: LSCINT.P

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72	9.961	2755	2759	2765	rVB6	852	997	0.04%	0.004%
73	9.990	2765	2768	2771	rBV4	928	667	0.03%	0.003%
74	10.080	2793	2796	2798	rBV	1404	806	0.03%	0.003%
75	10.119	2804	2808	2810	rVV4	1347	841	0.03%	0.004%
76	10.154	2816	2819	2825	rBV2	1429	1135	0.04%	0.005%
77	10.308	2863	2867	2868	rBV3	1485	1008	0.04%	0.004%
78	10.357	2875	2882	2886	rBV5	2918	3912	0.15%	0.016%
79	10.427	2892	2904	2928	rBV	815955	1327473	50.07%	5.573%
80	10.678	2977	2982	2984	rBV6	2429	2033	0.08%	0.009%
81	10.752	3001	3005	3006	rBV3	1107	735	0.03%	0.003%
82	11.222	3147	3151	3158	rVB5	5213	5802	0.22%	0.024%
83	11.479	3219	3231	3252	rBV	1131152	1846864	69.66%	7.754%
84	11.855	3337	3348	3367	rBV	1073035	1778928	67.09%	7.469%
85	12.826	3647	3650	3651	rBV2	2524	1444	0.05%	0.006%
86	12.958	3689	3691	3695	rVB5	2207	1326	0.05%	0.006%
87	12.984	3695	3699	3700	rBV2	1677	1294	0.05%	0.005%
88	13.096	3732	3734	3737	rBV4	1801	1501	0.06%	0.006%
89	13.594	3886	3889	3893	rBV4	2013	1559	0.06%	0.007%
90	13.746	3927	3936	3953	rBV2	103621	198330	7.48%	0.833%
91	14.334	4116	4119	4120	rBV4	3072	1721	0.06%	0.007%
92	14.877	4276	4288	4305	rBV	334428	635254	23.96%	2.667%
93	15.061	4336	4345	4362	rVB	158172	273708	10.32%	1.149%
94	15.610	4509	4516	4528	rBV3	35733	60272	2.27%	0.253%
95	15.800	4568	4575	4583	rBV	38385	58947	2.22%	0.247%
96	15.913	4600	4610	4625	rBV	258122	454658	17.15%	1.909%
97	16.057	4645	4655	4662	rBV	205181	330515	12.47%	1.388%
98	16.192	4688	4697	4709	rBV	102300	180534	6.81%	0.758%
99	16.527	4791	4801	4815	rVB3	153285	304377	11.48%	1.278%
100	17.167	4993	5000	5010	rVB5	82817	133639	5.04%	0.561%

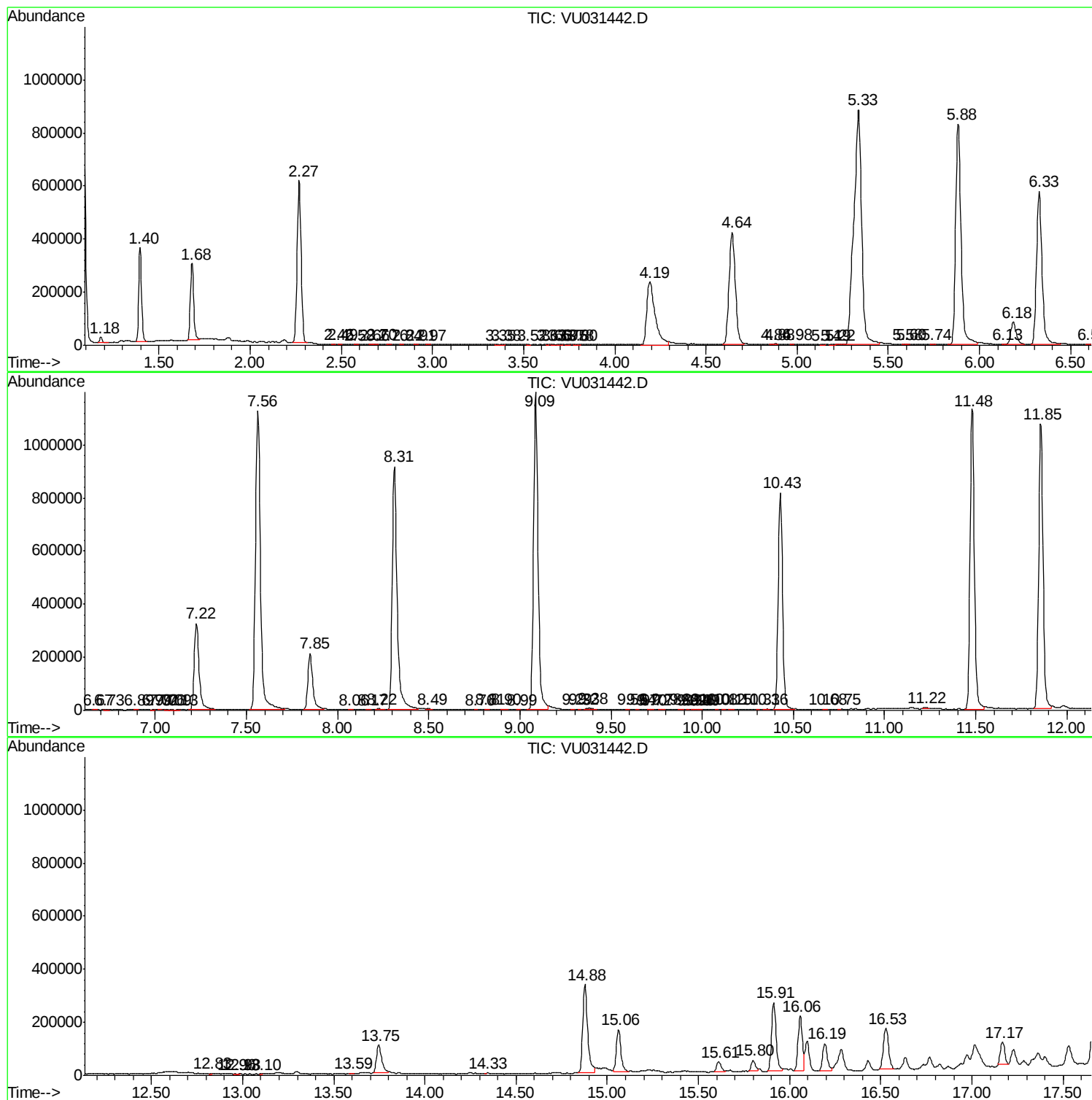
Sum of corrected areas: 23818213

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ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampled :
C0X24

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

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



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ALS Vial : 21 Sample Multiplier: 1

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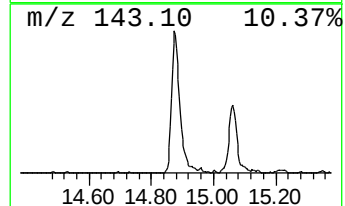
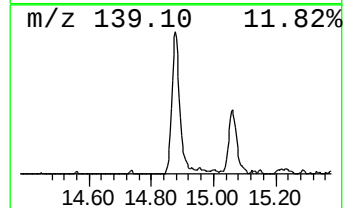
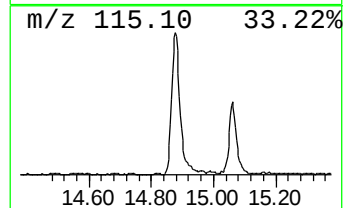
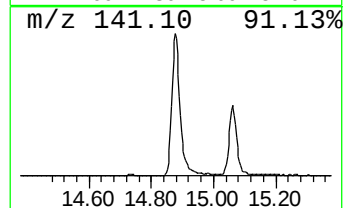
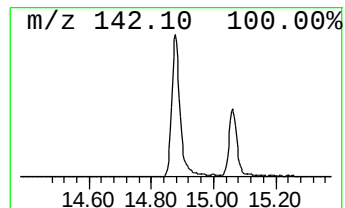
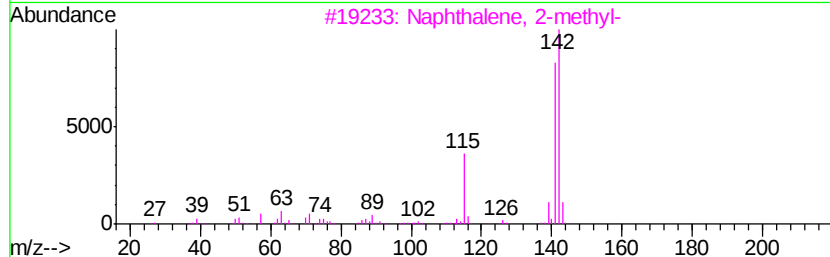
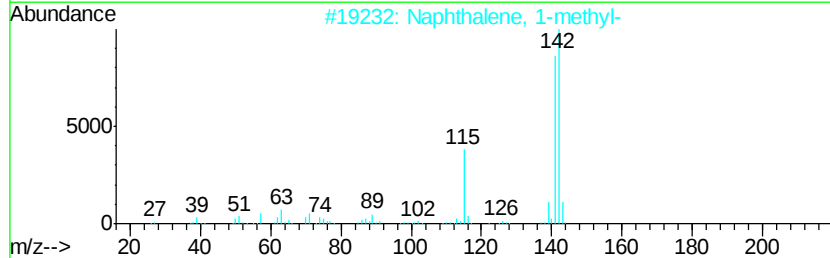
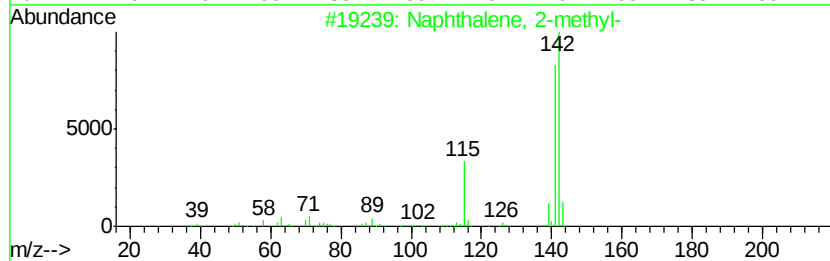
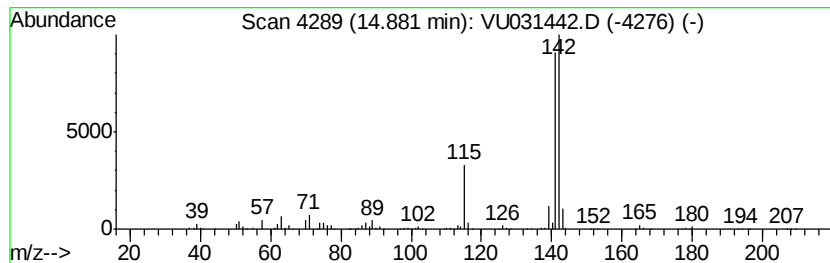
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	17.20 ug/L	635254	1,4-Dichlorobenzene-d4	11.48

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93



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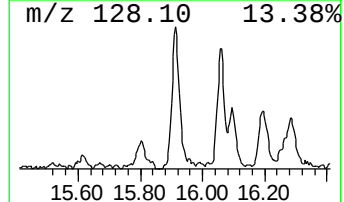
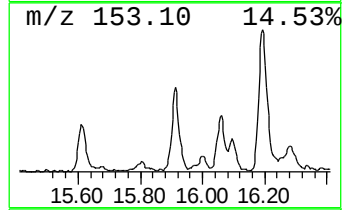
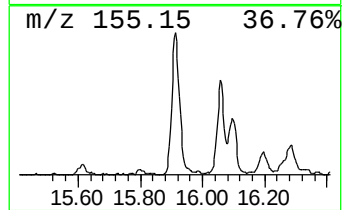
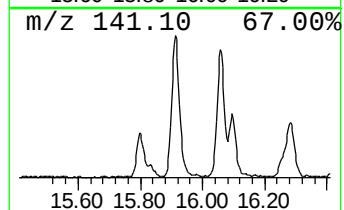
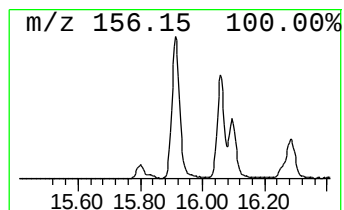
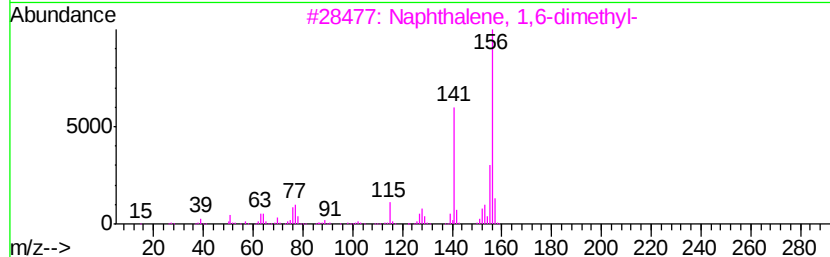
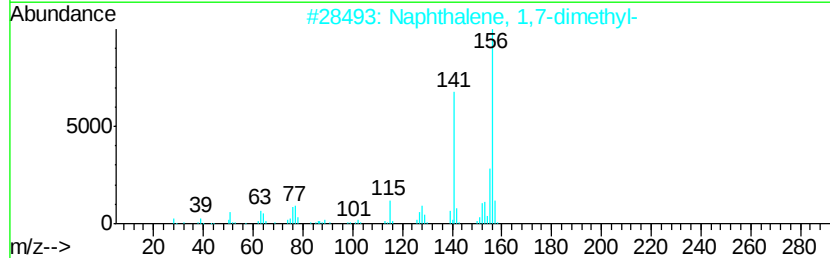
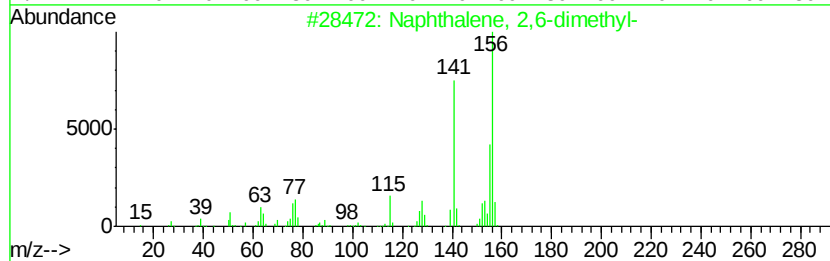
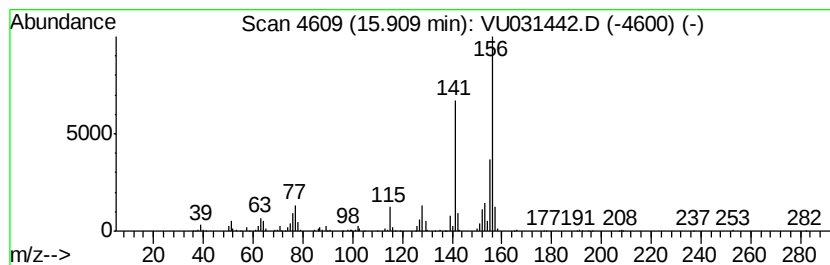
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Quant Title : VOC Analysis

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

Peak Number 5 Naphthalene, 2,6-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	12.31 ug/L	454658	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97



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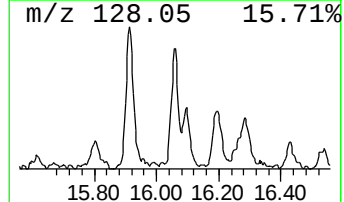
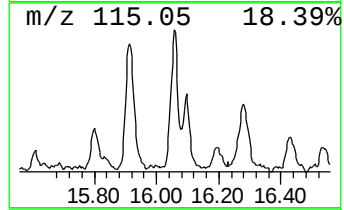
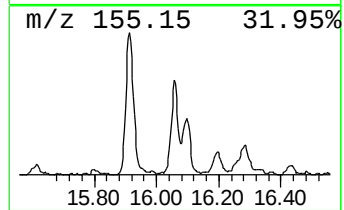
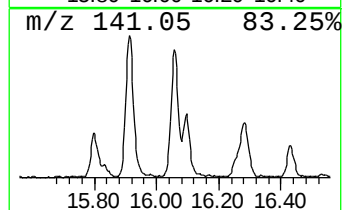
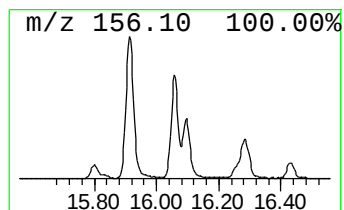
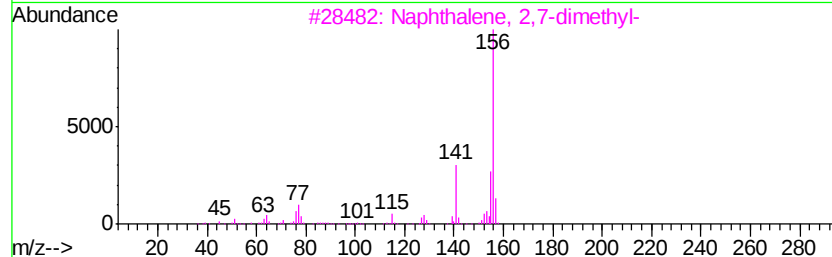
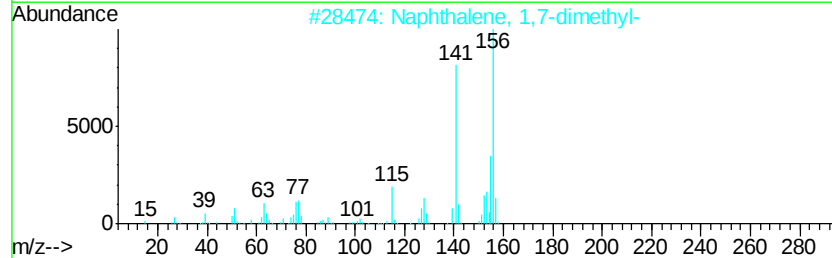
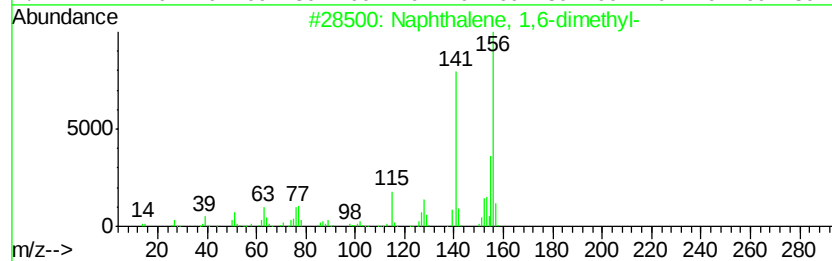
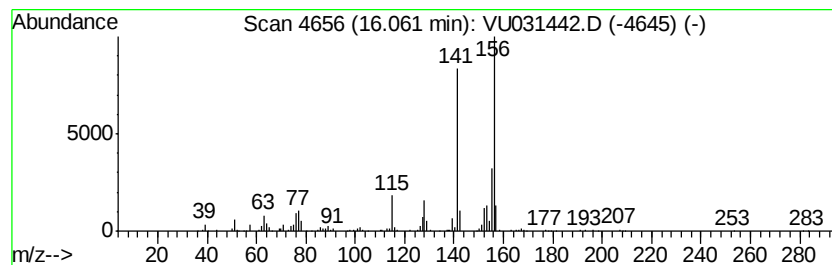
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Quant Title : VOC Analysis

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

Peak Number 6 Naphthalene, 1,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	8.95 ug/L	330515	1,4-Dichlorobenzene-d4	11.48

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
3			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042319\
Data File : VU031442.D
Acq On : 23 Apr 2019 16:46
Operator : JC/SP
Sample : K2536-04 50X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

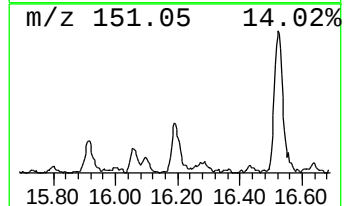
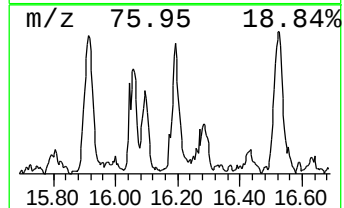
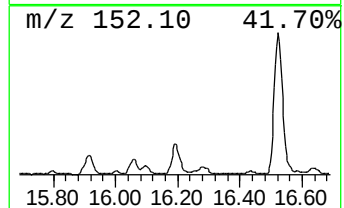
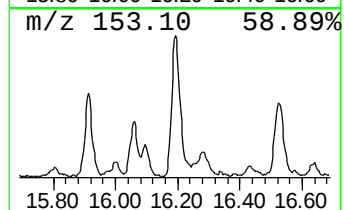
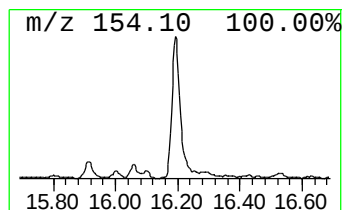
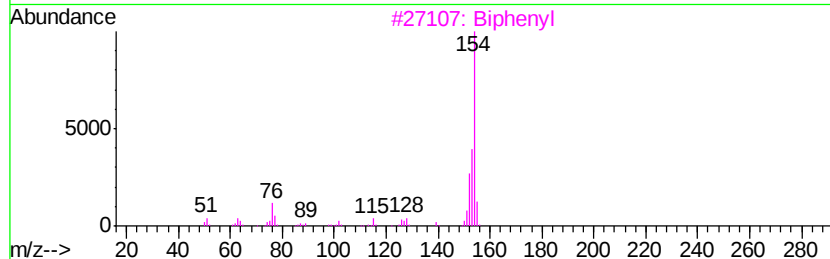
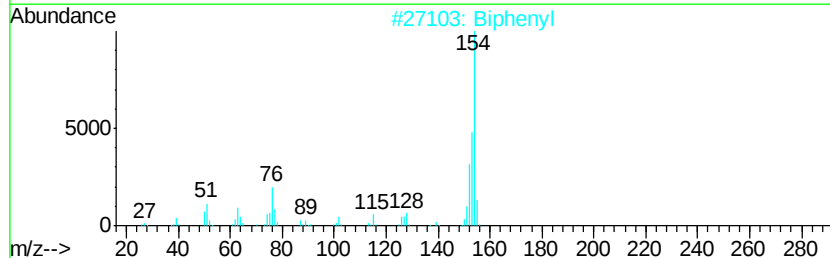
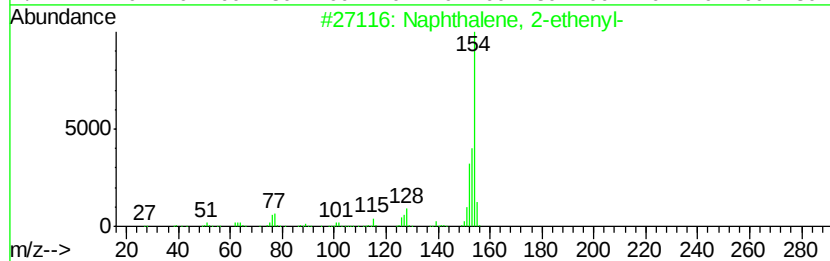
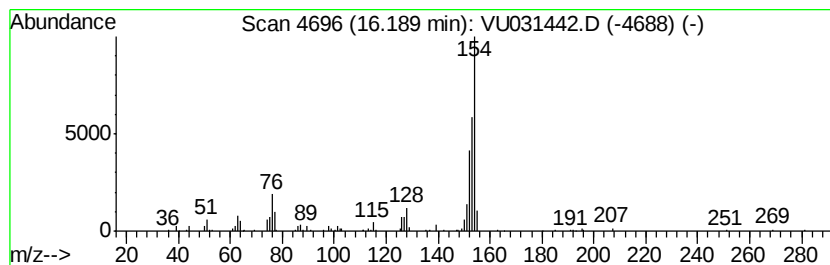
Instrument :
MSVOA_U
ClientSampleId :
C0X24

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-ethenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.19	4.89 ug/L	180534	1,4-Dichlorobenzene-d4	11.48
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2-ethenyl-	154 C12H10	000827-54-3 91
2		Biphenyl	154 C12H10	000092-52-4 90
3		Biphenyl	154 C12H10	000092-52-4 81
4		Biphenyl	154 C12H10	000092-52-4 81
5		Naphthalene, 2-ethenyl-	154 C12H10	000827-54-3 76



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042319\
Data File : VU031442.D
Acq On : 23 Apr 2019 16:46
Operator : JC/SP
Sample : K2536-04 50X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0X24

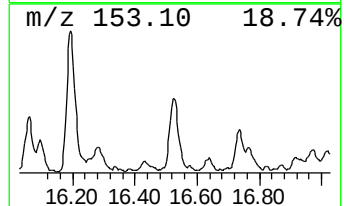
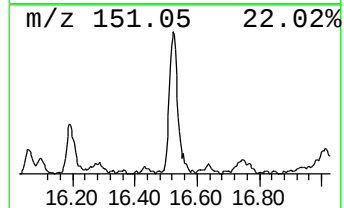
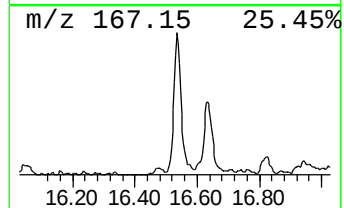
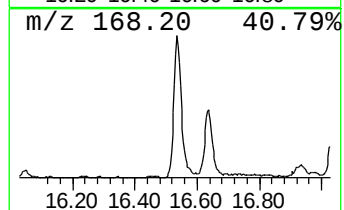
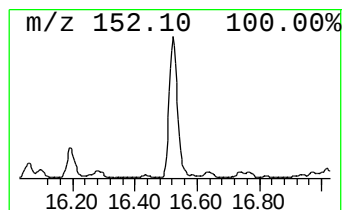
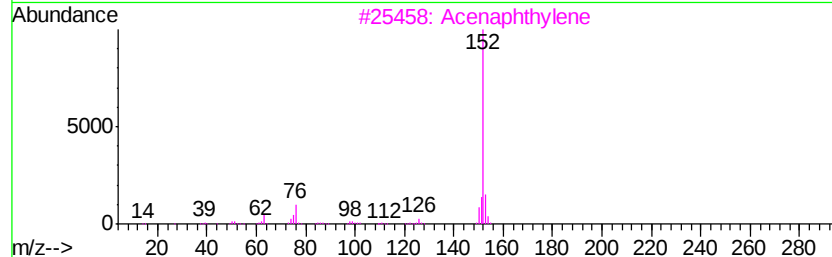
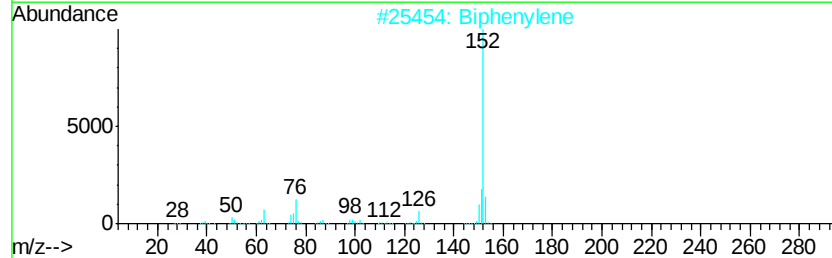
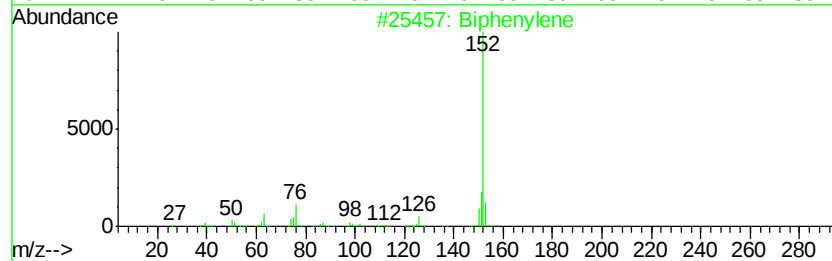
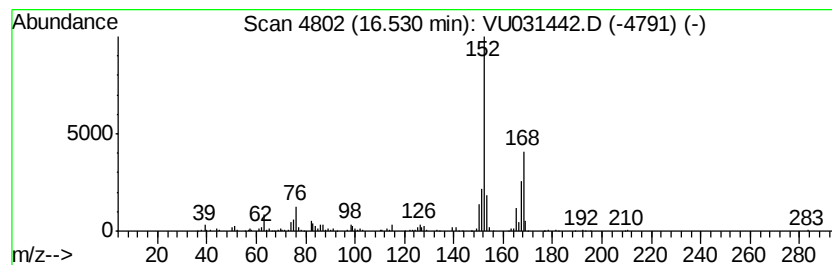
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Quant Title : VOC Analysis

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

Peak Number 8 Biphenylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.53	8.24 ug/L	304377	1,4-Dichlorobenzene-d4	11.48

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenylene		152	C12H8	000259-79-0	89
2	Biphenylene		152	C12H8	000259-79-0	76
3	Acenaphthylene		152	C12H8	000208-96-8	70
4	(6Balpha,7beta,11alpha,11aalpha)...		334	C25H18O	1000241-69-8	59
5	Acenaphthylene		152	C12H8	000208-96-8	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042319\
Data File : VU031442.D
Acq On : 23 Apr 2019 16:46
Operator : JC/SP
Sample : K2536-04 50X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

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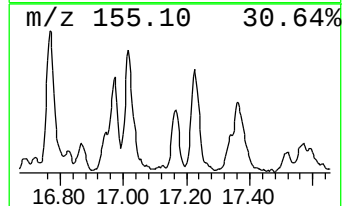
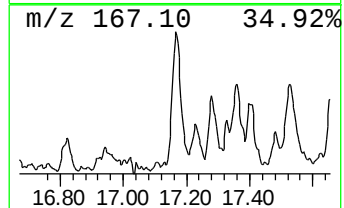
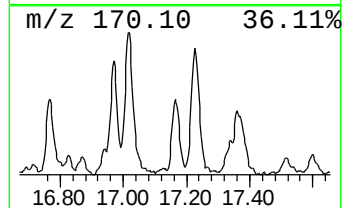
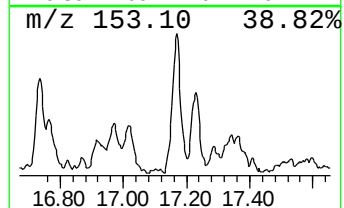
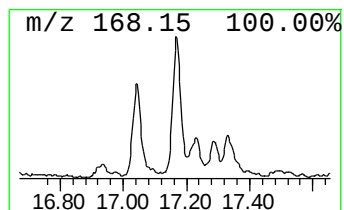
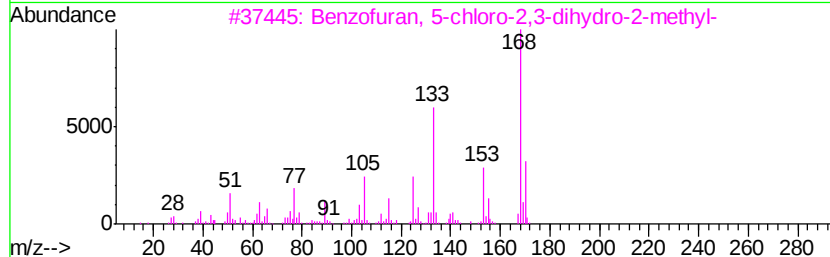
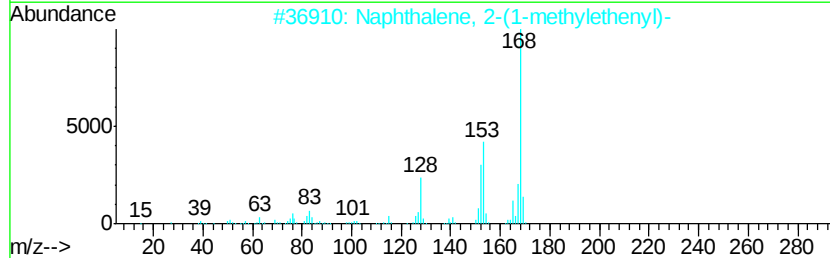
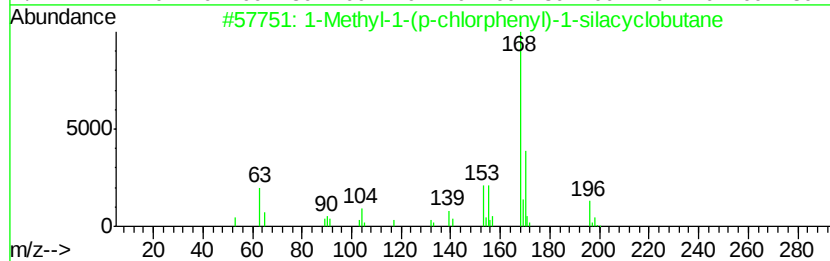
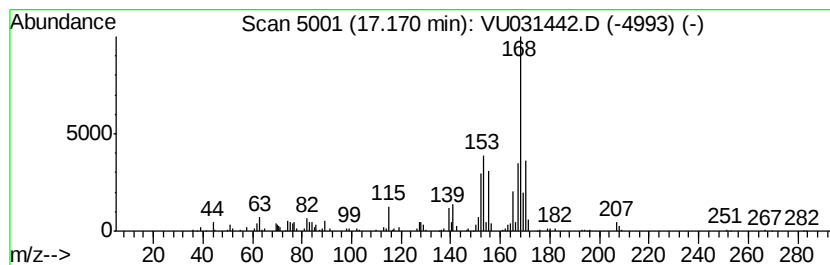
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

Peak Number 9 1-Methyl-1-(p-chlorophenyl)-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.17	3.62 ug/L	133639	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Methyl-1-(p-chlorophenyl)-1-sil...	196	C10H13ClSi	057465-49-3	64
2		Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	53
3		Benzofuran, 5-chloro-2,3-dihydro...	168	C9H9ClO	054410-96-7	50
4		1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	49
5		Pyrazol-5-amine, 1,3-dimethyl-4-...	168	C6H8N4S	019688-92-7	47



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Data File : VU031442.D
Acq On : 23 Apr 2019 16:46
Operator : JC/SP
Sample : K2536-04 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0X24

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...	14.88	17.2	ug/L	635254	3	11.48	1846860	50.0
Naphthalene, 2,6-...	15.91	12.3	ug/L	454658	3	11.48	1846860	50.0
Naphthalene, 1,6-...	16.06	8.9	ug/L	330515	3	11.48	1846860	50.0
Naphthalene, 2-et...	16.19	4.9	ug/L	180534	3	11.48	1846860	50.0
Biphenylene	16.53	8.2	ug/L	304377	3	11.48	1846860	50.0
1-Methyl-1-(p-chl...	17.17	3.6	ug/L	133639	3	11.48	1846860	50.0