

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050119\
 Data File : VU031690.D
 Acq On : 01 May 2019 17:25
 Operator : JC/SP
 Sample : K2603-07
 Misc : 5.00µ/5mL/100µL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GAJ59

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\SOMULM042719WMA.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	111	rVB	283057	372998	10.62%	1.232%
2	1.678	175	183	198	rBV	216465	401324	11.42%	1.326%
3	2.247	349	360	376	rBV	616825	986539	28.08%	3.259%
4	2.456	423	425	433	rVB6	4225	3437	0.10%	0.011%
5	2.569	457	460	462	rVB4	1261	739	0.02%	0.002%
6	2.630	476	479	484	rBV4	1625	1167	0.03%	0.004%
7	2.688	487	497	500	rBV5	8600	13955	0.40%	0.046%
8	2.813	531	536	537	rBV4	1974	1342	0.04%	0.004%
9	2.823	537	539	547	rVB5	2958	2605	0.07%	0.009%
10	2.865	548	552	554	rBV4	1336	938	0.03%	0.003%
11	2.971	583	585	591	rBV3	1316	1053	0.03%	0.003%
12	3.071	611	616	620	rBV4	965	955	0.03%	0.003%
13	3.157	638	643	644	rBV4	1270	794	0.02%	0.003%
14	3.231	656	666	669	rBV4	1459	2100	0.06%	0.007%
15	3.276	677	680	683	rBV4	2188	1931	0.05%	0.006%
16	3.347	698	702	704	rBV	1135	741	0.02%	0.002%
17	3.392	713	716	721	rBV4	1519	1230	0.04%	0.004%
18	3.469	738	740	744	rVB2	1859	1257	0.04%	0.004%
19	3.495	744	748	753	rBV5	1911	2212	0.06%	0.007%
20	3.524	753	757	761	rVB4	1242	974	0.03%	0.003%
21	3.559	761	768	772	rBV3	1255	1613	0.05%	0.005%
22	3.649	793	796	798	rBV	1560	1179	0.03%	0.004%
23	3.807	841	845	849	rVB3	2244	2105	0.06%	0.007%
24	3.833	849	853	857	rBV3	1502	1456	0.04%	0.005%
25	3.935	881	885	889	rVB2	1252	1004	0.03%	0.003%
26	4.000	902	905	907	rBV3	1865	1331	0.04%	0.004%
27	4.038	912	917	918	rBV3	1071	788	0.02%	0.003%
28	4.064	923	925	932	rVB4	1633	1224	0.03%	0.004%
29	4.103	932	937	941	rBV6	1360	1075	0.03%	0.004%
30	4.212	957	971	1015	rBV2	191641	1021950	29.09%	3.376%
31	4.643	1087	1105	1136	rBV	477046	1343955	38.26%	4.439%
32	4.919	1189	1191	1199	rVB7	1541	1659	0.05%	0.005%
33	4.980	1205	1210	1215	rVB9	2250	2491	0.07%	0.008%
34	5.067	1233	1237	1239	rBV4	1538	1062	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\SOMULM042719WMA.M
 Title : VOC Analysis

35	5.151	1260	1263	1269	rVB4	1295	1070	0.03%	0.004%
36	5.206	1275	1280	1287	rBV7	1639	2419	0.07%	0.008%
37	5.254	1291	1295	1297	rBV4	1004	877	0.02%	0.003%
38	5.331	1297	1319	1364	rBV2	1176830	3513005	100.00%	11.604%
39	5.575	1392	1395	1399	rVB5	1685	980	0.03%	0.003%
40	5.614	1399	1407	1409	rBV8	4449	5741	0.16%	0.019%
41	5.736	1441	1445	1452	rBV9	2601	3182	0.09%	0.011%
42	5.829	1468	1474	1475	rBV4	1344	1263	0.04%	0.004%
43	5.884	1476	1491	1520	rBV	1057964	2488765	70.84%	8.221%
44	6.135	1567	1569	1571	rBV2	1447	752	0.02%	0.002%
45	6.180	1571	1583	1599	rVV2	15070	42037	1.20%	0.139%
46	6.328	1615	1629	1662	rBV	706811	1641922	46.74%	5.424%
47	6.556	1696	1700	1704	rVB6	2108	1928	0.05%	0.006%
48	6.578	1704	1707	1709	rBV2	1597	1111	0.03%	0.004%
49	6.646	1727	1728	1733	rVV3	1725	1046	0.03%	0.003%
50	6.675	1733	1737	1744	rVV7	1874	2101	0.06%	0.007%
51	6.710	1744	1748	1752	rVB4	1293	1140	0.03%	0.004%
52	6.762	1762	1764	1768	rVB3	1425	857	0.02%	0.003%
53	6.794	1771	1774	1778	rVB4	1005	854	0.02%	0.003%
54	6.820	1778	1782	1785	rBV3	980	826	0.02%	0.003%
55	6.897	1795	1806	1808	rBV8	3836	5381	0.15%	0.018%
56	7.048	1848	1853	1856	rBV8	1853	1839	0.05%	0.006%
57	7.228	1897	1909	1944	rBV	362581	827660	23.56%	2.734%
58	7.495	1990	1992	1995	rVB2	1599	749	0.02%	0.002%
59	7.562	1999	2013	2044	rBV	1305637	2665717	75.88%	8.805%
60	7.855	2092	2104	2133	rBV2	220523	549544	15.64%	1.815%
61	8.022	2153	2156	2158	rBV3	2110	1429	0.04%	0.005%
62	8.135	2188	2191	2195	rVB5	1616	1104	0.03%	0.004%
63	8.167	2195	2201	2207	rBV10	1570	2214	0.06%	0.007%
64	8.221	2211	2218	2227	rBV9	6262	10832	0.31%	0.036%
65	8.340	2239	2255	2294	rBV	921663	2526772	71.93%	8.346%
66	8.903	2425	2430	2440	rVB5	5552	7570	0.22%	0.025%
67	9.003	2458	2461	2464	rBV3	901	799	0.02%	0.003%
68	9.093	2472	2489	2525	rBV	1545341	3102797	88.32%	10.249%
69	9.379	2571	2578	2587	rBV	4119	7421	0.21%	0.025%
70	9.437	2594	2596	2599	rVB3	2199	1159	0.03%	0.004%
71	9.501	2612	2616	2618	rBV2	1781	1229	0.03%	0.004%

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72	9.701	2675	2678	2680	rBV2	1466	1178	0.03%	0.004%
73	9.755	2692	2695	2697	rBV3	1375	743	0.02%	0.002%
74	9.791	2702	2706	2708	rBV4	1836	1344	0.04%	0.004%
75	9.945	2747	2754	2757	rBV4	2557	2731	0.08%	0.009%
76	10.176	2823	2826	2832	rVB5	2212	2004	0.06%	0.007%
77	10.289	2858	2861	2863	rBV2	1824	1321	0.04%	0.004%
78	10.437	2890	2907	2925	rBV	1069768	1776231	50.56%	5.867%
79	10.549	2938	2942	2943	rBV3	1009	747	0.02%	0.002%
80	10.633	2965	2968	2970	rBV3	1265	1044	0.03%	0.003%
81	10.810	3019	3023	3025	rBV4	2650	2521	0.07%	0.008%
82	11.061	3099	3101	3107	rVB4	1361	877	0.02%	0.003%
83	11.109	3112	3116	3119	rBV3	2683	2330	0.07%	0.008%
84	11.485	3219	3233	3253	rBV	1727297	2785311	79.29%	9.200%
85	11.861	3337	3350	3379	rBV	1394617	2358716	67.14%	7.791%
86	12.360	3499	3505	3511	rBV7	5479	7586	0.22%	0.025%
87	12.469	3534	3539	3541	rBV6	2563	3003	0.09%	0.010%
88	12.543	3559	3562	3563	rBV3	1861	1019	0.03%	0.003%
89	12.610	3574	3583	3586	rBV9	10210	14235	0.41%	0.047%
90	12.704	3605	3612	3615	rBV7	7839	10346	0.29%	0.034%
91	12.874	3662	3665	3672	rVB7	3265	3475	0.10%	0.011%
92	13.125	3736	3743	3760	rBV8	25177	51749	1.47%	0.171%
93	13.282	3785	3792	3800	rBV5	17345	34075	0.97%	0.113%
94	13.749	3929	3937	3960	rVB	79910	186780	5.32%	0.617%
95	14.138	4054	4058	4066	rBV5	17951	21902	0.62%	0.072%
96	14.877	4278	4288	4313	rBV	309510	613857	17.47%	2.028%
97	15.064	4337	4346	4367	rBV2	104046	208402	5.93%	0.688%
98	15.800	4568	4575	4595	rVB2	76440	151737	4.32%	0.501%
99	15.916	4602	4611	4625	rBV2	129190	243544	6.93%	0.804%
100	16.060	4648	4656	4662	rBV2	115292	177801	5.06%	0.587%

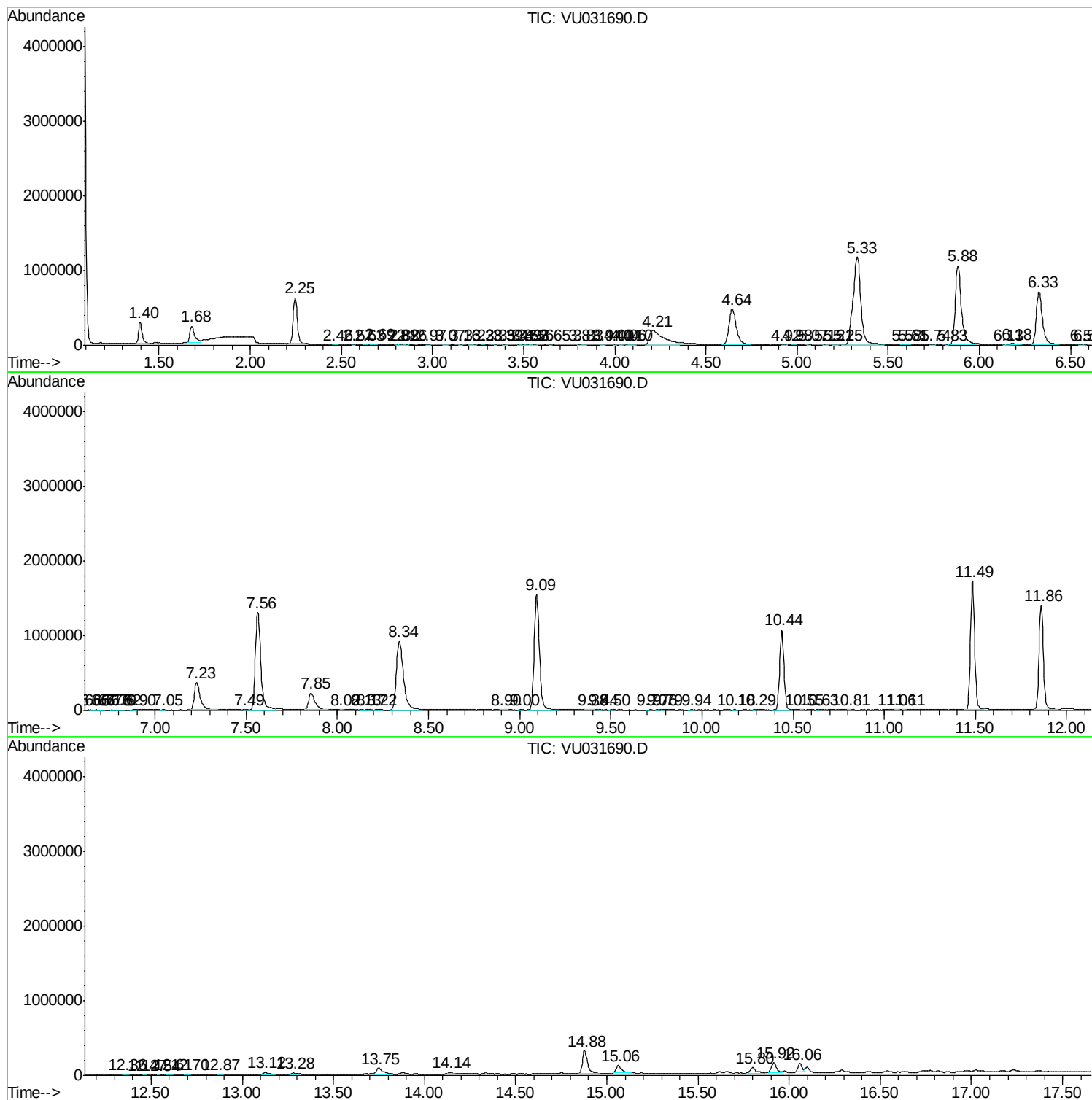
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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



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ALS Vial : 22 Sample Multiplier: 1

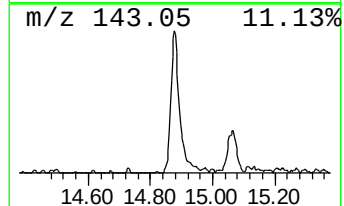
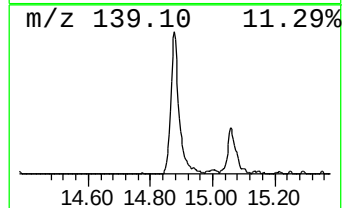
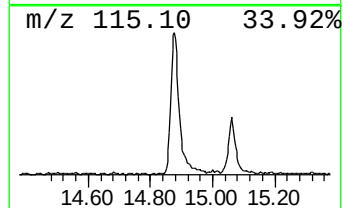
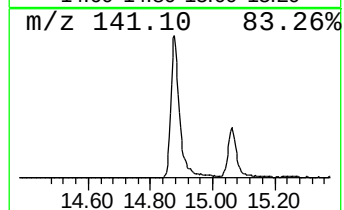
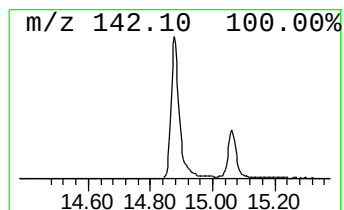
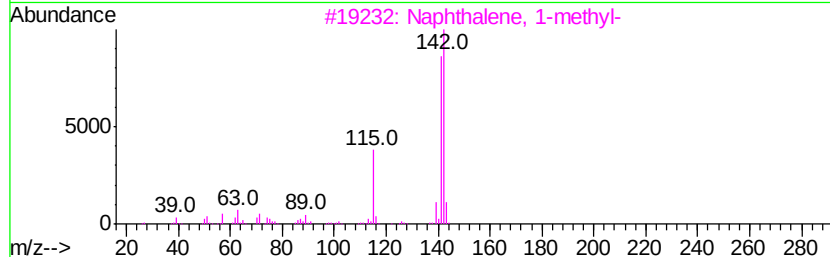
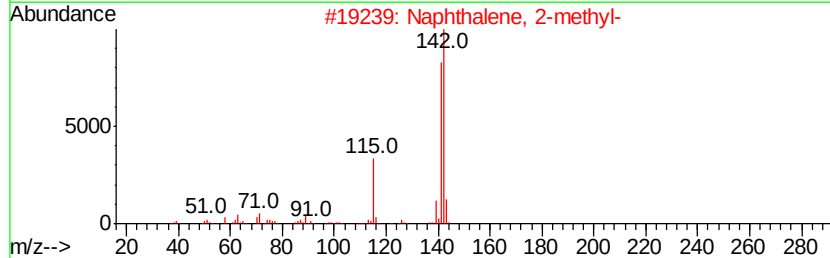
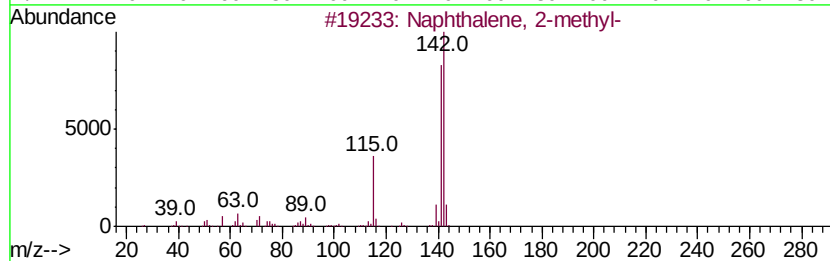
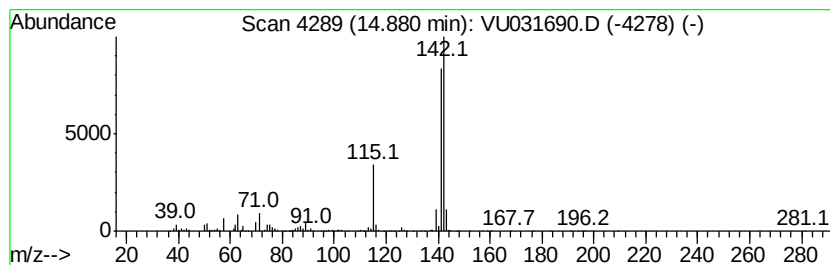
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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	11.02 ug/L	613857	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, 2-methyl-	142 C11H10	000091-57-6 96
3		Naphthalene, 1-methyl-	142 C11H10	000090-12-0 96
4		Naphthalene, 2-methyl-	142 C11H10	000091-57-6 95
5		Naphthalene, 1-methyl-	142 C11H10	000090-12-0 94



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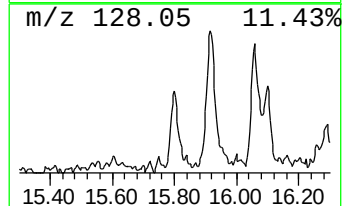
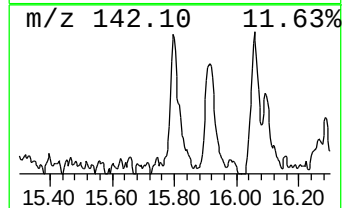
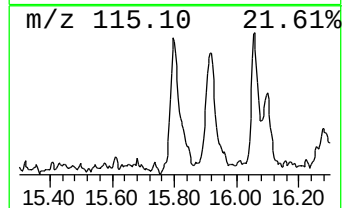
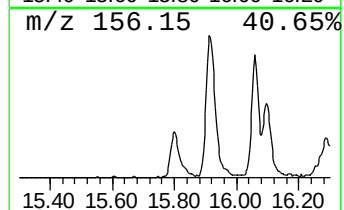
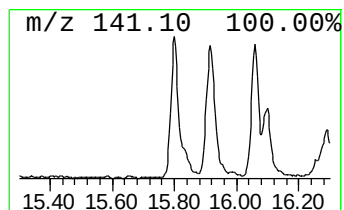
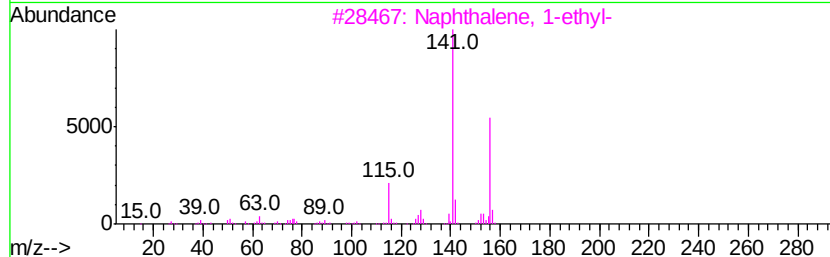
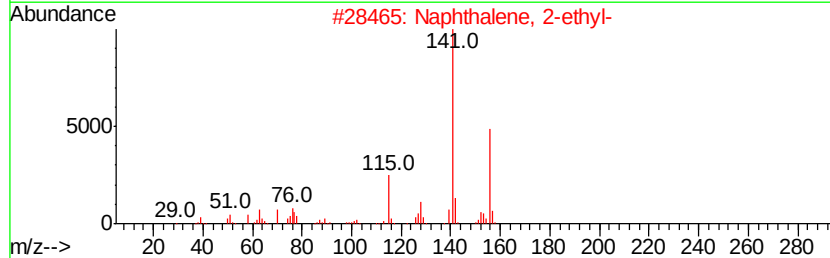
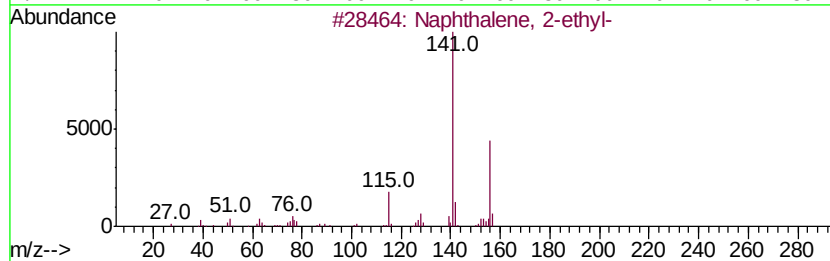
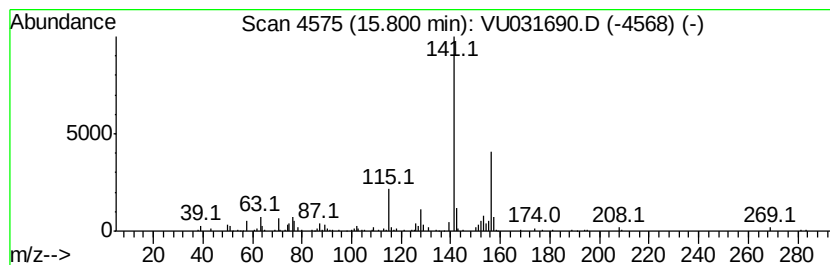
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Quant Title : VOC Analysis

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

Peak Number 5 Naphthalene, 2-ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.80	2.72 ug/L	151737	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
2		Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93
3		Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	91
4		Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	91
5		Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	91



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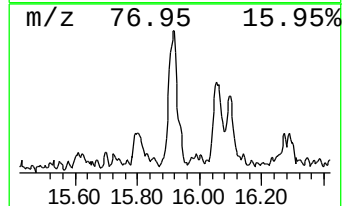
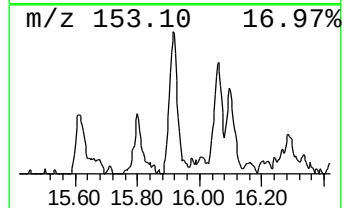
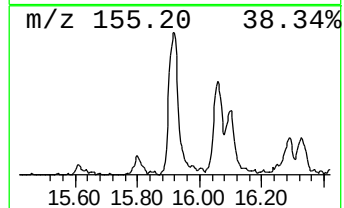
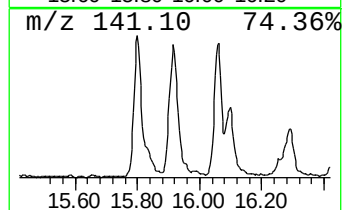
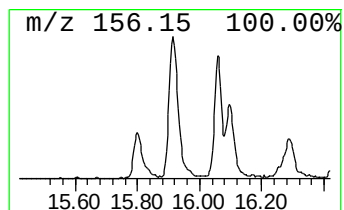
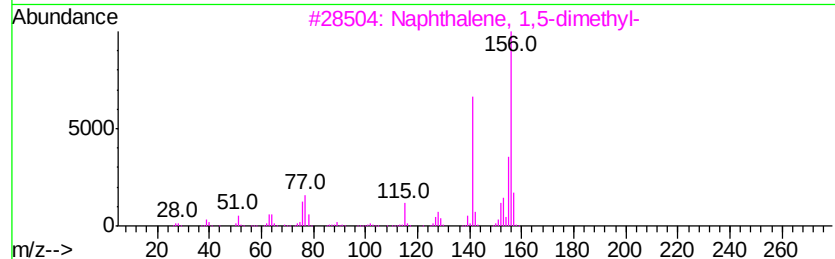
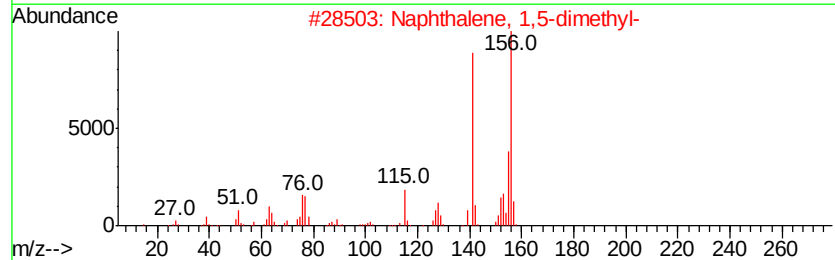
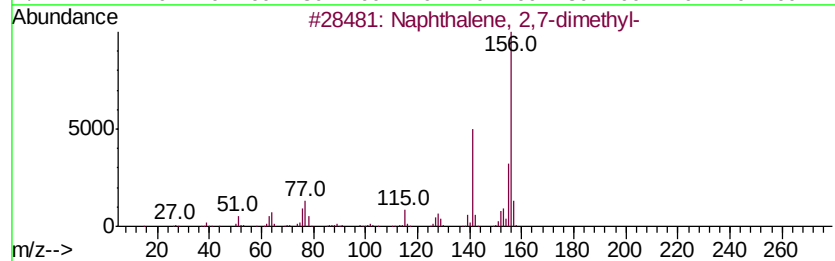
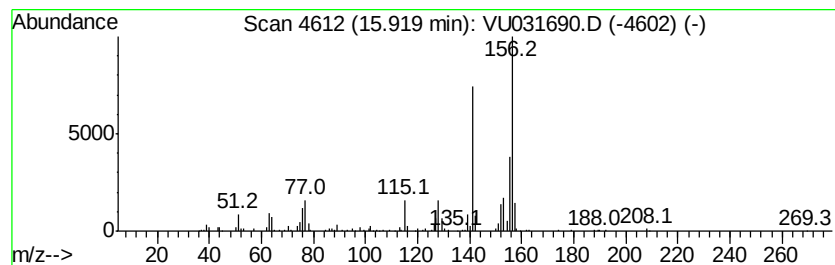
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Quant Title : VOC Analysis

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TIC Integration Parameters: LSCINT.P

Peak Number 6 Naphthalene, 2,7-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.92	4.37 ug/L	243544	1,4-Dichlorobenzene-d4	11.48	
Hit# of	5	Tentative ID	MW MolForm	CAS#	Qual
1		Naphthalene, 2,7-dimethyl-	156 C12H12	000582-16-1	97
2		Naphthalene, 1,5-dimethyl-	156 C12H12	000571-61-9	96
3		Naphthalene, 1,5-dimethyl-	156 C12H12	000571-61-9	96
4		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9	96
5		Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0	96



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU050119\
Data File : VU031690.D
Acq On : 01 May 2019 17:25
Operator : JC/SP
Sample : K2603-07
Misc : 5.00µL/100µL/5.0mL/MSVOA_U/MEOH
ALS Vial : 22 Sample Multiplier: 1

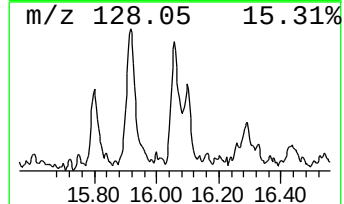
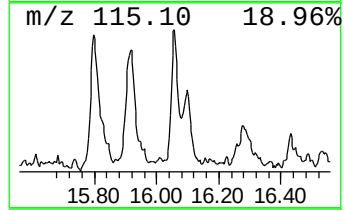
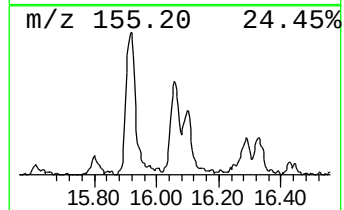
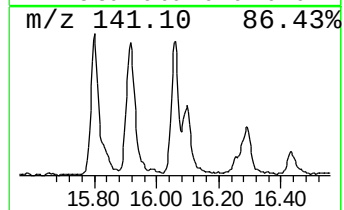
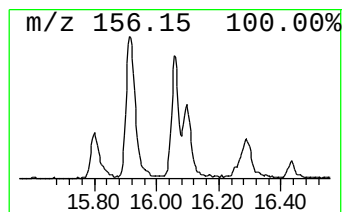
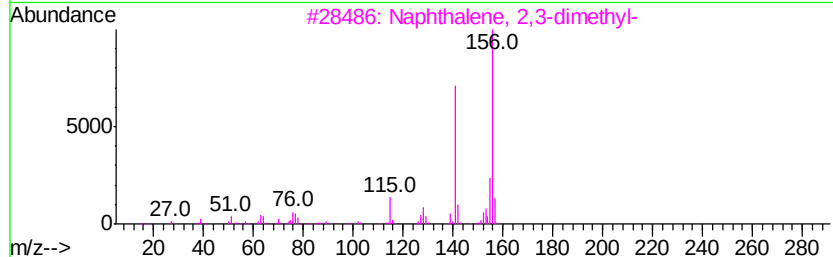
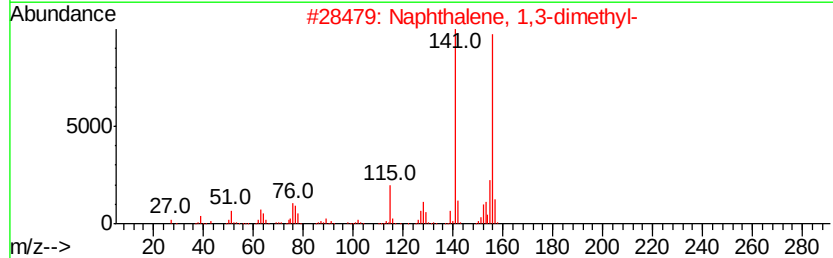
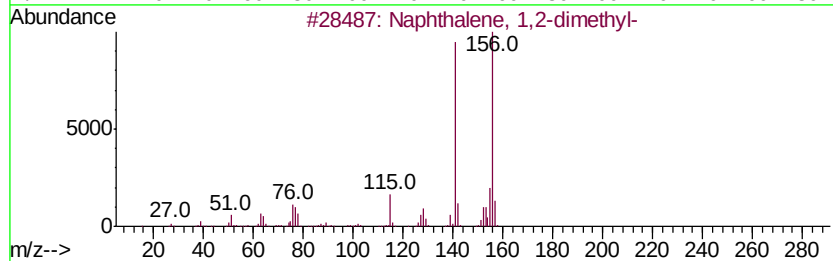
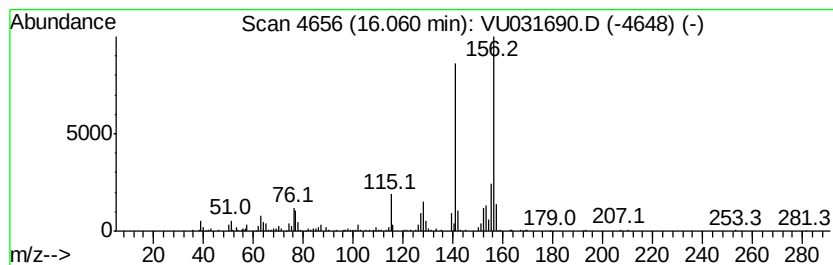
Instrument :
MSVOA_U
ClientSampleId :
GAJ59

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

Peak Number 7 Naphthalene, 1,2-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	3.19 ug/L	177801	1,4-Dichlorobenzene-d4	11.48
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,2-dimethyl-	156 C12H12	000573-98-8 98
2		Naphthalene, 1,3-dimethyl-	156 C12H12	000575-41-7 97
3		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 97
4		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 97
5		Naphthalene, 1,4-dimethyl-	156 C12H12	000571-58-4 97



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031690.D
Acq On : 01 May 2019 17:25
Operator : JC/SP
Sample : K2603-07
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAJ59

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.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	11.0	ug/L	613857	3	11.48	2785310	50.0
Naphthalene, 2-et...	15.80	2.7	ug/L	151737	3	11.48	2785310	50.0
Naphthalene, 2,7-...	15.92	4.4	ug/L	243544	3	11.48	2785310	50.0
Naphthalene, 1,2-...	16.06	3.2	ug/L	177801	3	11.48	2785310	50.0