LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050219\
Data File : VU031712.D
Acq On : 02 May 2019 15:08
Operator : JC/SP
Sample : K2603-19 10X
Misc : 5.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ71

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 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	1.180	24	28	34	rBV	16271	14649	0.01%	0.002%
2	1.395	87	95	106	rBV	444056	491022	0.23%	0.053%
3	1.678	175	183	194	rBV	365110	477900	0.22%	0.051%
4	2.264	355	365	379	rVB	825336	1245902	0.58%	0.134%
5	2.424	412	415	421	rBV6	1327	1342	0.00%	0.000%
6	2.617	466	475	481	rBV9	2219	3603	0.00%	0.000%
7	2.643	481	483	491	rVB5	2003	2451	0.00%	0.000%
8	2.698	491	500	510	rBV8	5101	11874	0.01%	0.001%
9	2.772	518	523	528	rBV3	1977	2489	0.00%	0.000%
10	2.836	539	543	547	rBV3	2001	2002	0.00%	0.000%
11	2.926	563	571	575	rBV4	1454	2192	0.00%	0.000%
12	3.116	625	630	633	rBV3	1890	1550	0.00%	0.000%
13	3.212	655	660	664	rBV6	1444	1409	0.00%	0.000%
14	3.293	679	685	689	rBV7	1491	1982	0.00%	0.000%
15	3.428	725	727	732	rVB2	1601	1287	0.00%	0.000%
16	3.582	768	775	776	rBV2	1213	1413	0.00%	0.000%
17	4.116	935	941	945	rBV6	1309	1449	0.00%	0.000%
18	4.190	950	964	1002	rBV	371383	1200216	0.55%	0.129%
19	4.640	1087	1104	1129	rBV	611922	1462697	0.68%	0.158%
20	4.874	1172	1177	1180	rBV5	2829	2872	0.00%	0.000%
21	4.955	1198	1202	1206	rBV5	1598	1816	0.00%	0.000%
22	5.145	1258	1261	1268	rBV5	1400	1886	0.00%	0.000%
23	5.190	1272	1275	1281	rVB3	1284	1219	0.00%	0.000%
24	5.334	1293	1320	1360	rBV2	1314122	3956014	1.83%	0.426%
25	5.517	1375	1377	1386	rVB8	2681	2692	0.00%	0.000%
26	5.778	1453	1458	1466	rVB8	2587	3056	0.00%	0.000%
27	5.826	1469	1473	1475	rBV2	1432	1141	0.00%	0.000%
28	5.881	1475	1490	1515	rBV	1293313	2581307	1.19%	0.278%
29	6.173	1571	1581	1593	rBV7	13418	27584	0.01%	0.003%
30	6.325	1613	1628	1653	rBV	871650	1776783	0.82%	0.191%
31	6.852	1787	1792	1794	rBV3	1918	1601	0.00%	0.000%
32	6.890	1800	1804	1805	rBV4	1746	1254	0.00%	0.000%
33	6.964	1825	1827	1832	rVV4	1711	1278	0.00%	0.000%
34	6.987	1832	1834	1838	rVB2	2194	1313	0.00%	0.000%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050219\
Data File : VU031712.D
Acq On : 02 May 2019 15:08
Operator : JC/SP
Sample : K2603-19 10X
Misc : 5.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ71

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 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

35	7.173	1887	1892	1896	rBV6	5060	5712	0.00%	0.001%
36	7.225	1897	1908	1936	rVV	494371	900410	0.42%	0.097%
37	7.421	1966	1969	1982	rVB	5793	9979	0.00%	0.001%
38	7.492	1987	1991	1993	rBV4	2180	1821	0.00%	0.000%
39	7.559	1994	2012	2024	rBV	1620408	2894644	1.34%	0.312%
40	7.633	2024	2035	2060	rVB	2902604	5136526	2.37%	0.553%
41	7.849	2087	2102	2116	rBV	328230	581695	0.27%	0.063%
42	8.225	2212	2219	2226	rBV10	4979	7408	0.00%	0.001%
43	8.315	2231	2247	2281	rBV	1486490	2837209	1.31%	0.306%
44	8.540	2310	2317	2325	rVB2	24590	38009	0.02%	0.004%
45	8.601	2330	2336	2346	rVV2	24947	40532	0.02%	0.004%
46	8.749	2374	2382	2393	rVB4	27067	46968	0.02%	0.005%
47	8.813	2396	2402	2405	rBV5	16234	20941	0.01%	0.002%
48	8.906	2426	2431	2441	rVB4	49021	73431	0.03%	0.008%
49	9.029	2462	2469	2476	rVB	47787	65408	0.03%	0.007%
50	9.086	2476	2487	2510	rBV	1807522	3032562	1.40%	0.327%
51	9.247	2526	2537	2560	rBV	1329687	2244753	1.04%	0.242%
52	9.369	2562	2575	2590	rVV	9012875	15031803	6.94%	1.619%
53	9.440	2591	2597	2615	rVB	458247	729550	0.34%	0.079%
54	9.543	2622	2629	2652	rVB6	64019	171497	0.08%	0.018%
55	9.784	2690	2704	2736	rVB5	7840107	15786645	7.29%	1.700%
56	9.948	2749	2755	2764	rVB2	181015	264168	0.12%	0.028%
57	10.041	2778	2784	2792	rBV5	104033	142764	0.07%	0.015%
58	10.430	2895	2905	2917	rBV	1228201	2141391	0.99%	0.231%
59	10.585	2944	2953	2963	rBV	467213	725217	0.33%	0.078%
60	10.678	2972	2982	2997	rBV	2547330	5526441	2.55%	0.595%
61	10.768	2998	3010	3017	rVV	3117753	5468641	2.53%	0.589%
62	10.810	3018	3023	3044	rVB	1457247	2085823	0.96%	0.225%
63	10.967	3063	3072	3075	rBV	965488	1346747	0.62%	0.145%
64	11.144	3110	3127	3138	rBV	9529819	15302832	7.07%	1.648%
65	11.212	3138	3148	3157	rVV	9229796	13979951	6.46%	1.506%
66	11.260	3157	3163	3176	rVB	3331303	4904566	2.27%	0.528%
67	11.395	3196	3205	3222	rBV3	1746510	3301320	1.52%	0.356%
68	11.479	3222	3231	3241	rVV	1993572	3051089	1.41%	0.329%
69	11.565	3250	3258	3267	rBV	3171395	4653811	2.15%	0.501%
70	11.620	3268	3275	3293	rVB	1344153	2163246	1.00%	0.233%
71	11.762	3310	3319	3328	rBV2	1724147	3120758	1.44%	0.336%

LSC Area Percent Report

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Data File : VU031712.D
Acq On : 02 May 2019 15:08
Operator : JC/SP
Sample : K2603-19 10X
Misc : 5.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ71

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 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

72	11.861	3340	3350	3366	rVB6	2645910	5636820	2.60%	0.607%
73	11.977	3374	3386	3395	rBV2	32739941	51029356	23.57%	5.496%
74	12.144	3431	3438	3441	rBV	690537	934360	0.43%	0.101%
75	12.218	3455	3461	3465	rBV	975277	1369081	0.63%	0.147%
76	12.421	3517	3524	3535	rVB	3509240	5390045	2.49%	0.581%
77	12.482	3536	3543	3557	rBV3	1099883	2152114	0.99%	0.232%
78	12.646	3588	3594	3601	rVB2	1321179	1734190	0.80%	0.187%
79	12.700	3601	3611	3629	rBV4	3985181	8444542	3.90%	0.909%
80	12.819	3641	3648	3660	rBV3	2566106	4044435	1.87%	0.436%
81	12.961	3685	3692	3706	rVB	1357028	2017266	0.93%	0.217%
82	13.118	3734	3741	3751	rVV3	5731270	8646603	3.99%	0.931%
83	13.183	3752	3761	3772	rVB	14494336	22410044	10.35%	2.414%
84	13.289	3783	3794	3812	rBV	16965250	28646411	13.23%	3.085%
85	13.752	3923	3938	3959	rVB4	112932874	216531393	100.00%	23.321%
86	13.858	3965	3971	3992	rVB	3272625	5838041	2.70%	0.629%
87	14.141	4052	4059	4066	rBV2	2445070	3657253	1.69%	0.394%
88	14.334	4110	4119	4128	rBV2	4395852	8049203	3.72%	0.867%
89	14.887	4276	4291	4303	rBV3	101602063	193596610	89.41%	20.851%
90	15.064	4334	4346	4361	rBV3	61416081	100230946	46.29%	10.795%
91	15.601	4505	4513	4524	rVB	6423653	10207842	4.71%	1.099%
92	15.794	4565	4573	4581	rBV	7434378	11222399	5.18%	1.209%
93	15.909	4598	4609	4627	rBV	23861789	40619792	18.76%	4.375%
94	16.057	4644	4655	4661	rBV	17708097	27754482	12.82%	2.989%
95	16.093	4662	4666	4682	rVB	8788268	12095279	5.59%	1.303%
96	16.183	4686	4694	4707	rVB	3491014	5517173	2.55%	0.594%
97	16.279	4709	4724	4735	rBV	3683120	8458783	3.91%	0.911%
98	16.427	4762	4770	4787	rVB	1505708	2343316	1.08%	0.252%
99	16.520	4788	4799	4816	rVB	4776632	8272805	3.82%	0.891%
100	17.163	4992	4999	5009	rVB2	328219	506799	0.23%	0.055%

Sum of corrected areas: 928482896

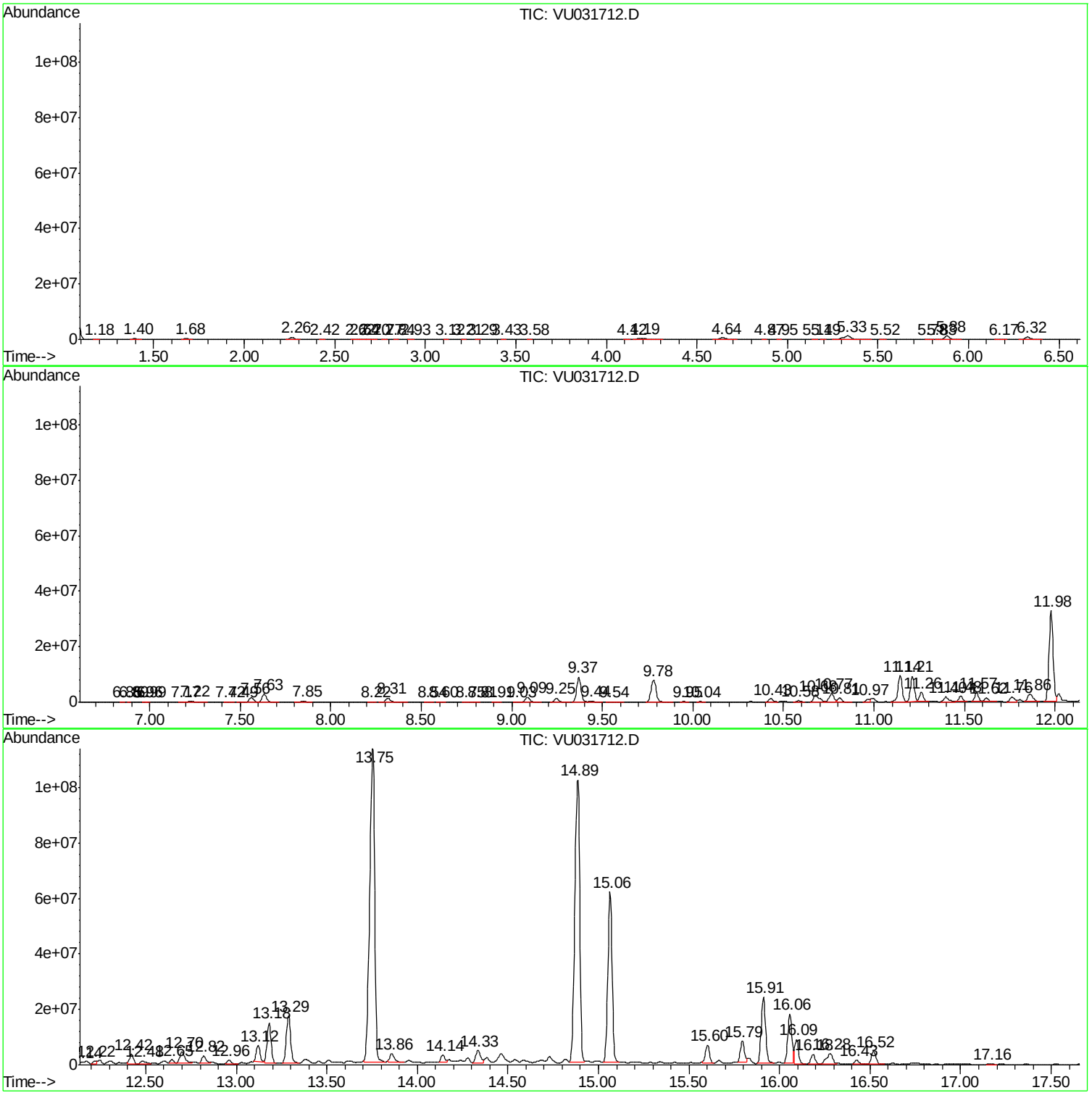
LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050219\
Data File : VU031712.D
Acq On : 02 May 2019 15:08
Operator : JC/SP
Sample : K2603-19 10X
Misc : 5.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ71

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050219\
Data File : VU031712.D
Acq On : 02 May 2019 15:08
Operator : JC/SP
Sample : K2603-19 10X
Misc : 5.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ71

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

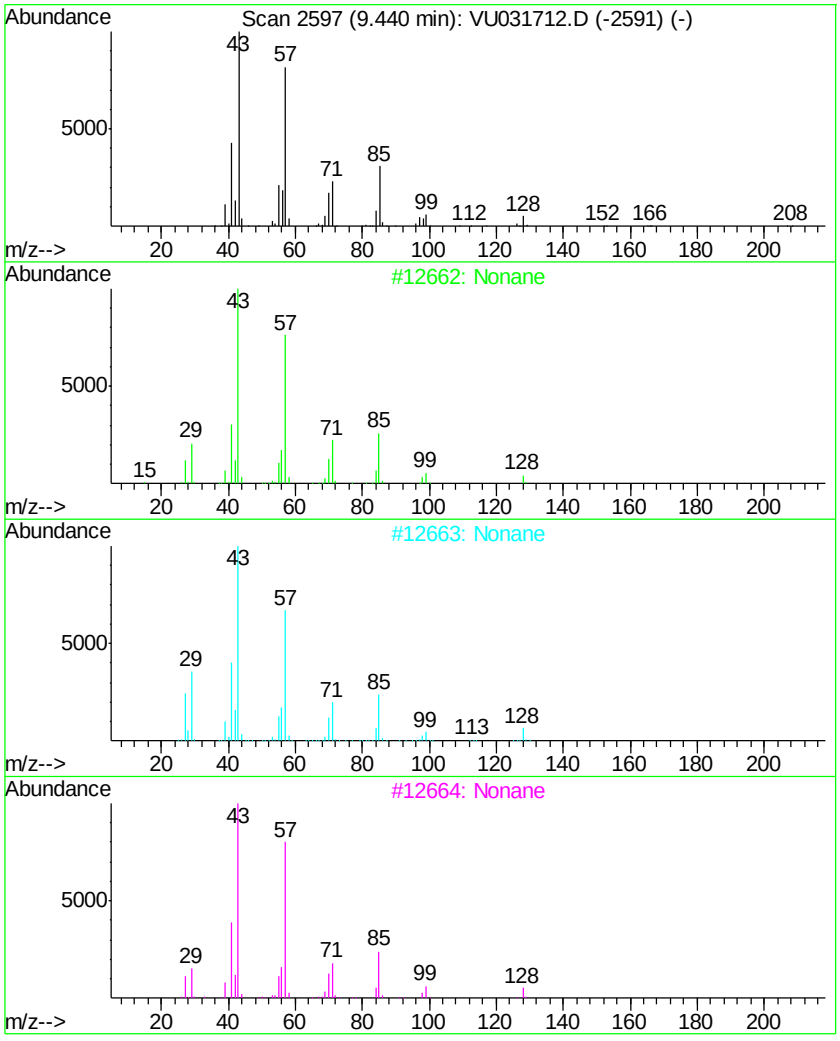
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

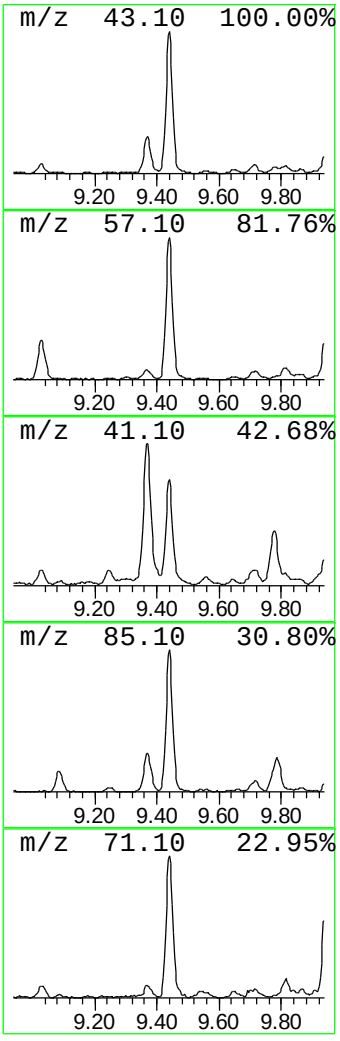
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	12.03 ug/L	729550	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	95
2	Nonane	128	C9H20	000111-84-2	91
3	Nonane	128	C9H20	000111-84-2	91
4	1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	72
5	Decane	142	C10H22	000124-18-5	64





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050219\
Data File : VU031712.D
Acq On : 02 May 2019 15:08
Operator : JC/SP
Sample : K2603-19 10X
Misc : 5.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ71

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

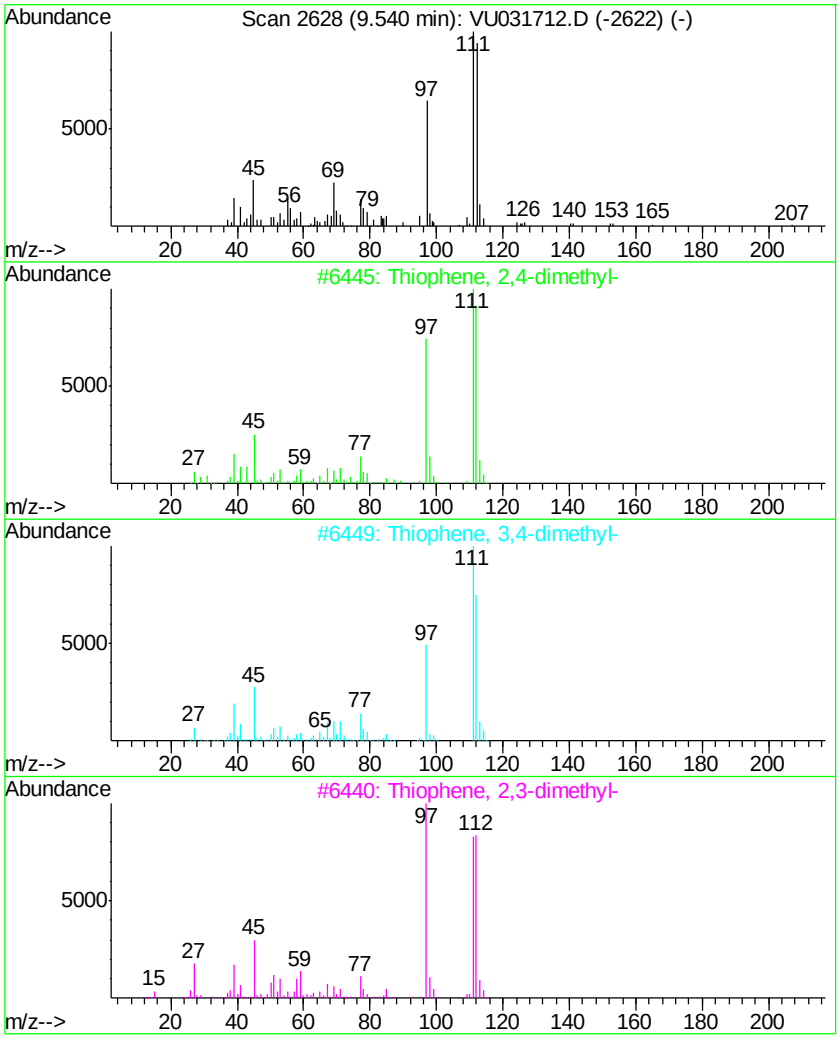
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

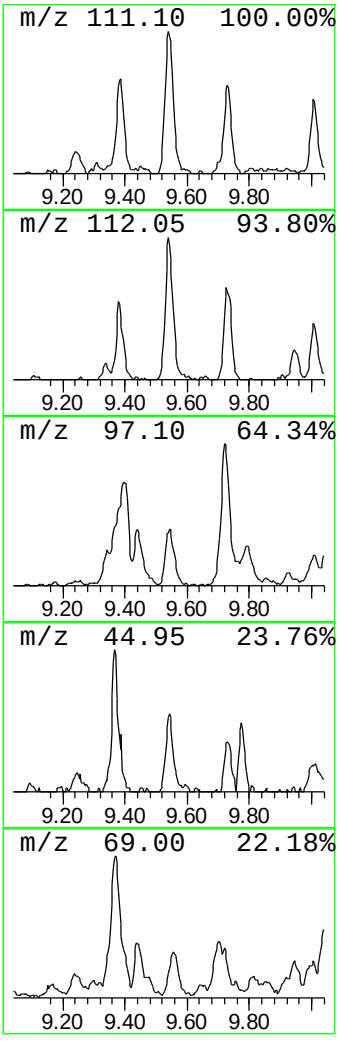
****

Peak Number 3 Thiophene, 2,4-dimethyl- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.54	2.83 ug/L	171497	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2,4-dimethyl-	112	C6H8S	000638-00-6	94
2	Thiophene, 3,4-dimethyl-	112	C6H8S	000632-15-5	91
3	Thiophene, 2,3-dimethyl-	112	C6H8S	000632-16-6	91
4	Thiophene, 2,4-dimethyl-	112	C6H8S	000638-00-6	91
5	Thiophene, 2,5-dimethyl-	112	C6H8S	000638-02-8	90





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050219\
Data File : VU031712.D
Acq On : 02 May 2019 15:08
Operator : JC/SP
Sample : K2603-19 10X
Misc : 5.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ71

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

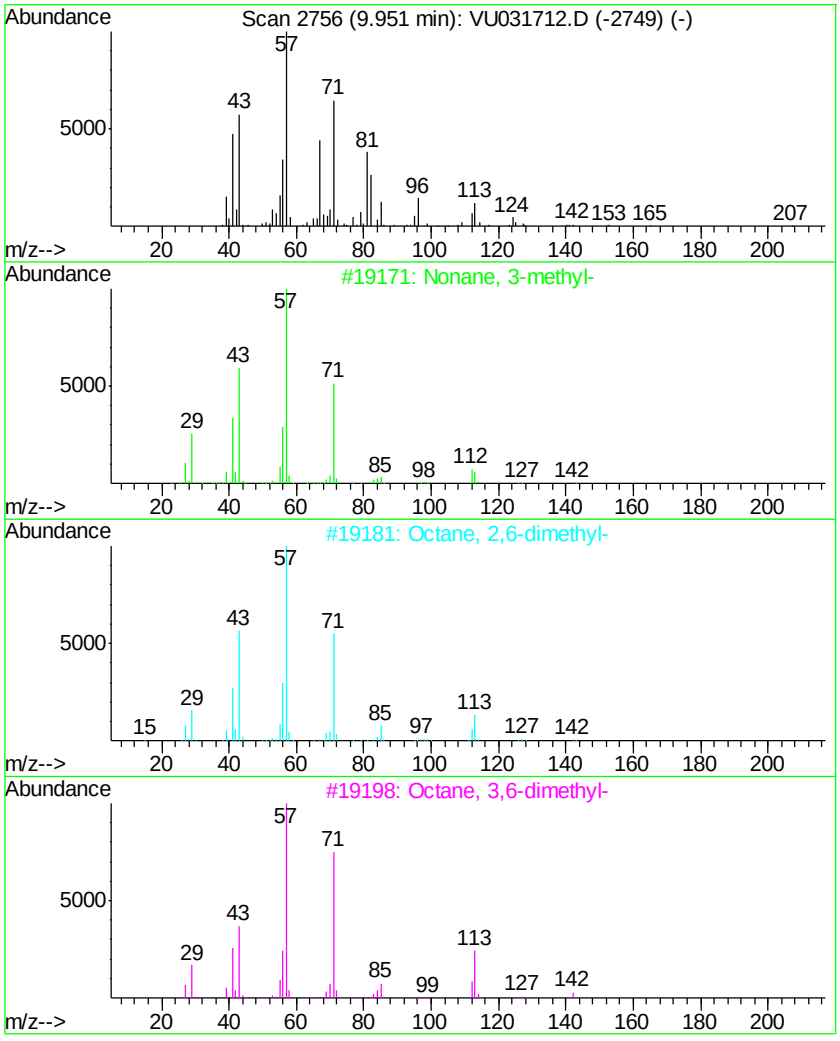
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

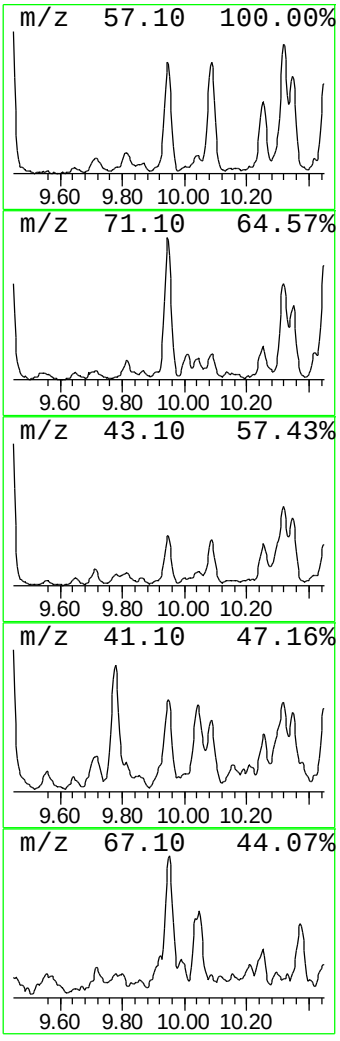
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	4.36 ug/L	264168	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	60
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	52
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	50
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	49
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050219\
Data File : VU031712.D
Acq On : 02 May 2019 15:08
Operator : JC/SP
Sample : K2603-19 10X
Misc : 5.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ71

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

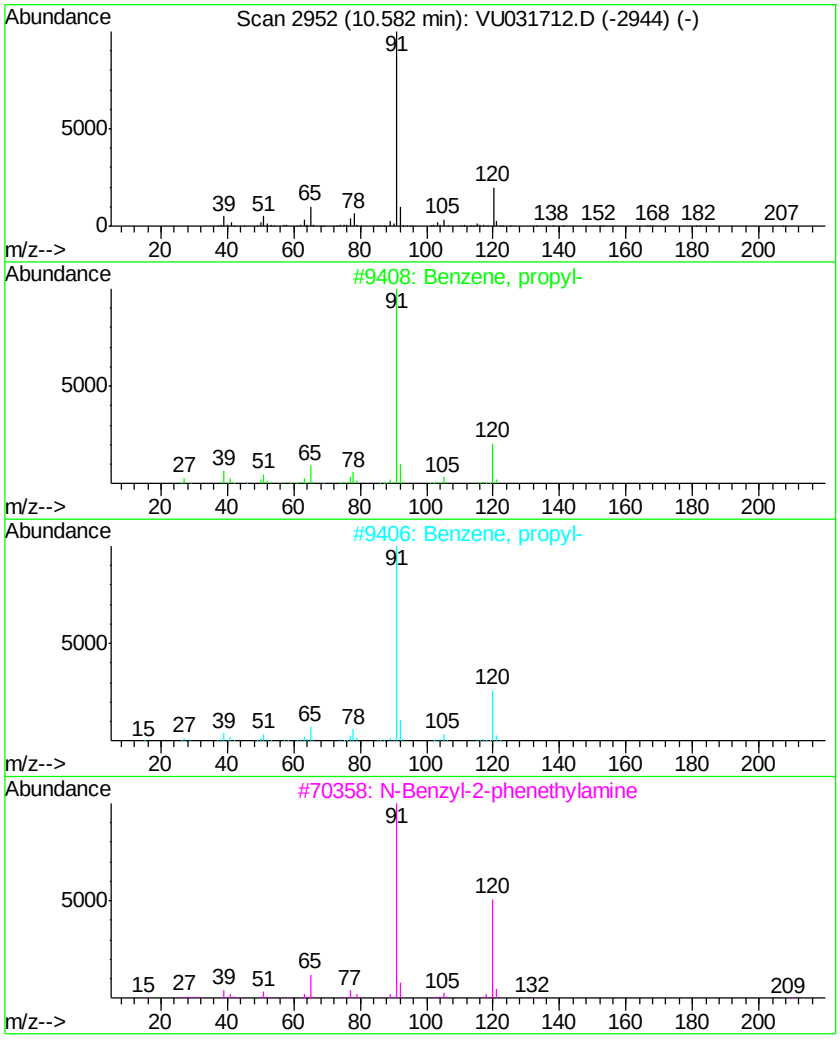
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

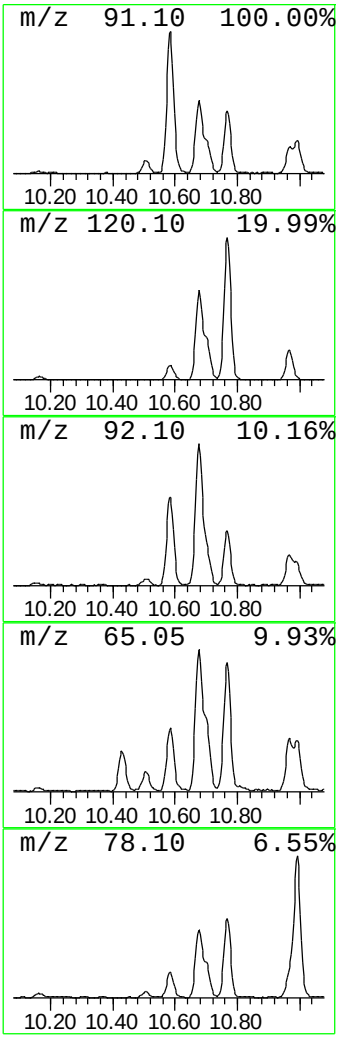
****

Peak Number 5 Benzene, propyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	11.88 ug/L	725217	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	90
2	Benzene, propyl-	120	C9H12	000103-65-1	86
3	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	72
4	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	72
5	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050219\
Data File : VU031712.D
Acq On : 02 May 2019 15:08
Operator : JC/SP
Sample : K2603-19 10X
Misc : 5.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ71

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

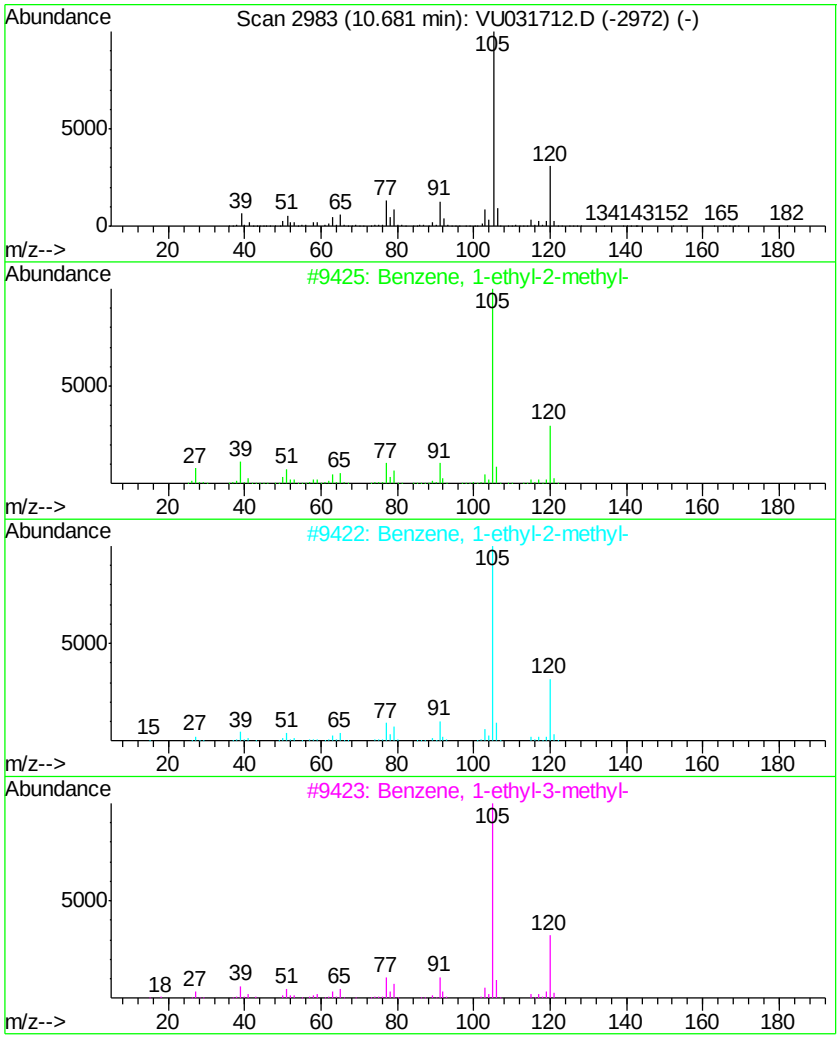
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

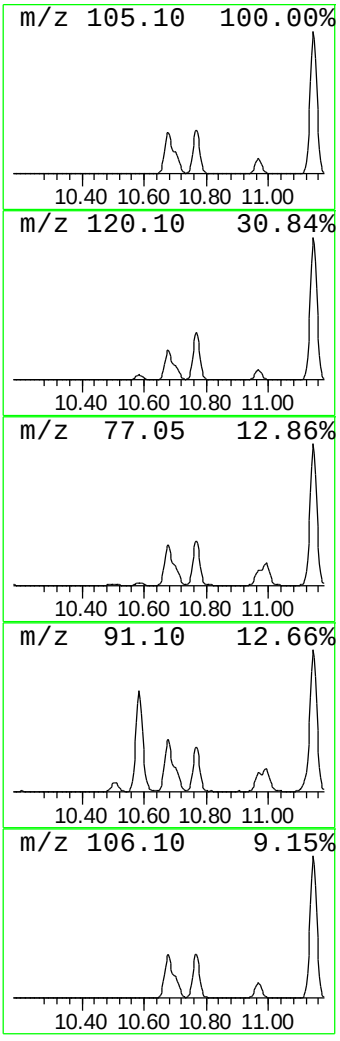
****

Peak Number 6 Benzene, 1-ethyl-2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	90.57 ug/L	5526440	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	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	95
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050219\
Data File : VU031712.D
Acq On : 02 May 2019 15:08
Operator : JC/SP
Sample : K2603-19 10X
Misc : 5.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ71

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

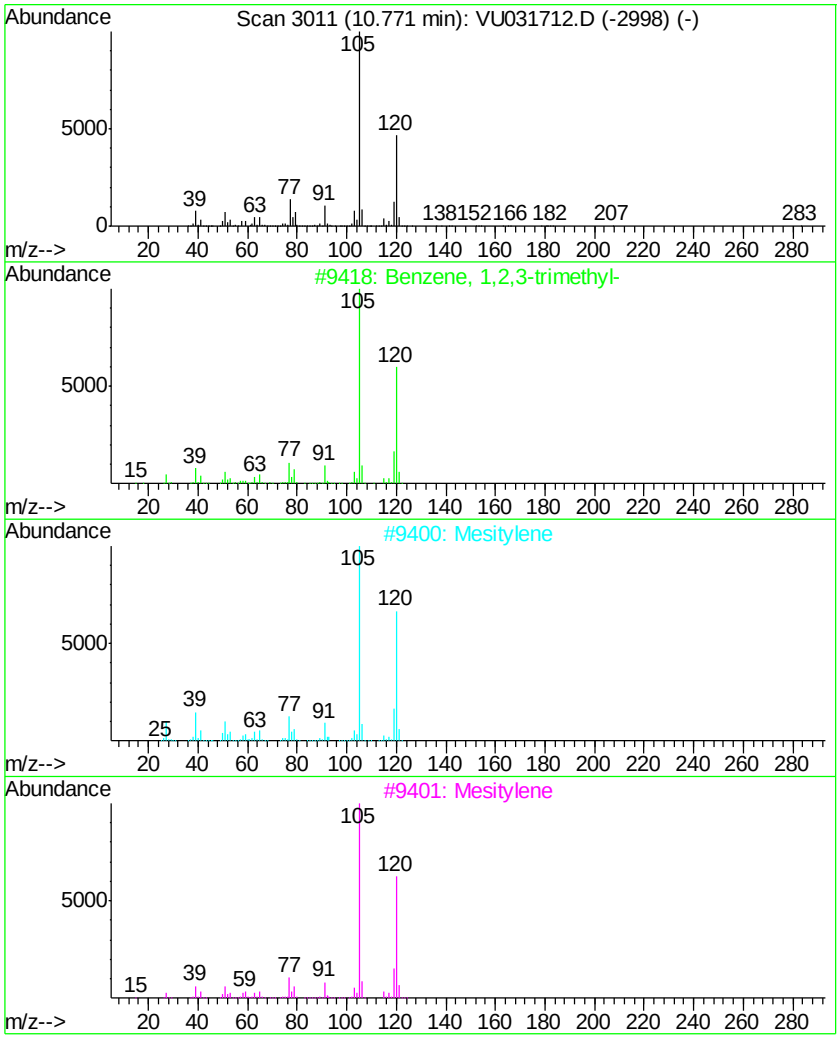
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

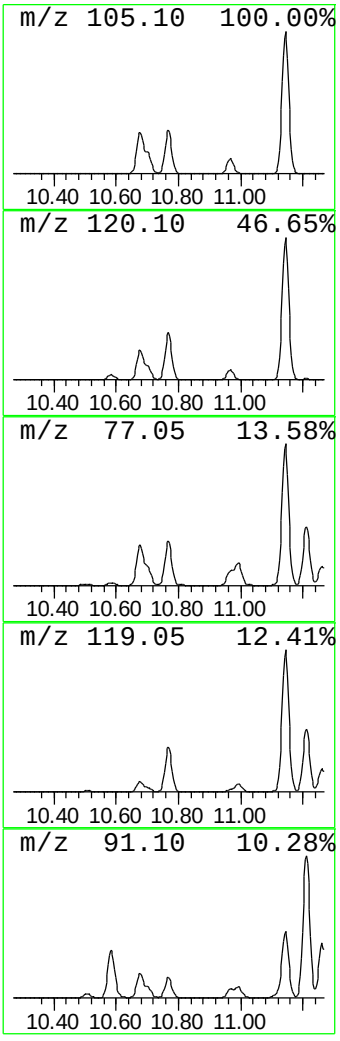
****

Peak Number 7 Benzene, 1,2,3-trimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	89.62 ug/L	5468640	1,4-Dichlorobenzene-d4	11.48

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	95
3	Mesitylene	120	C9H12	000108-67-8	95
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
5	Mesitylene	120	C9H12	000108-67-8	94





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Acq On : 02 May 2019 15:08
Operator : JC/SP
Sample : K2603-19 10X
Misc : 5.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ71

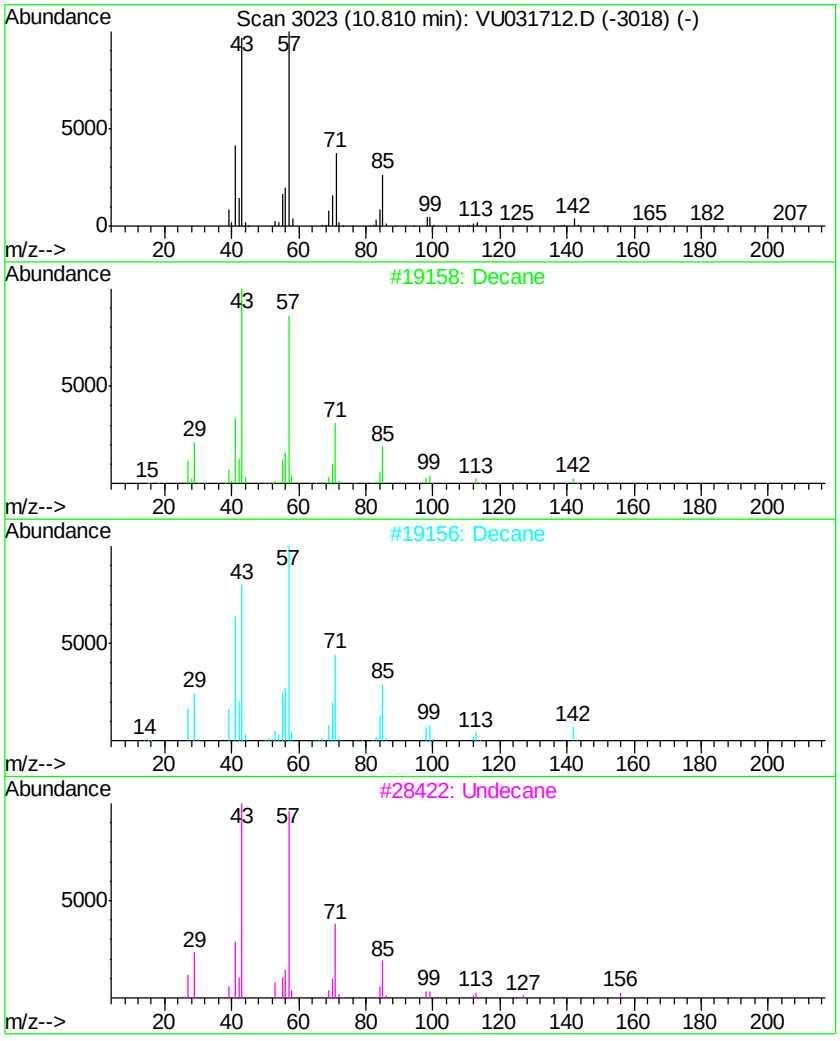
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

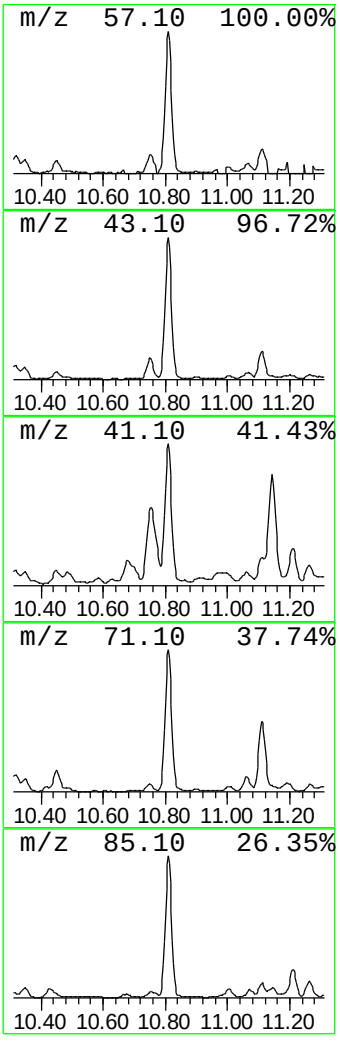
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	34.18 ug/L	2085820	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	91
2	Decane	142	C10H22	000124-18-5	72
3	Undecane	156	C11H24	001120-21-4	64
4	Nonane	128	C9H20	000111-84-2	64
5	Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	64





Library Search Compound Report

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Data File : VU031712.D
Acq On : 02 May 2019 15:08
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Sample : K2603-19 10X
Misc : 5.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ71

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

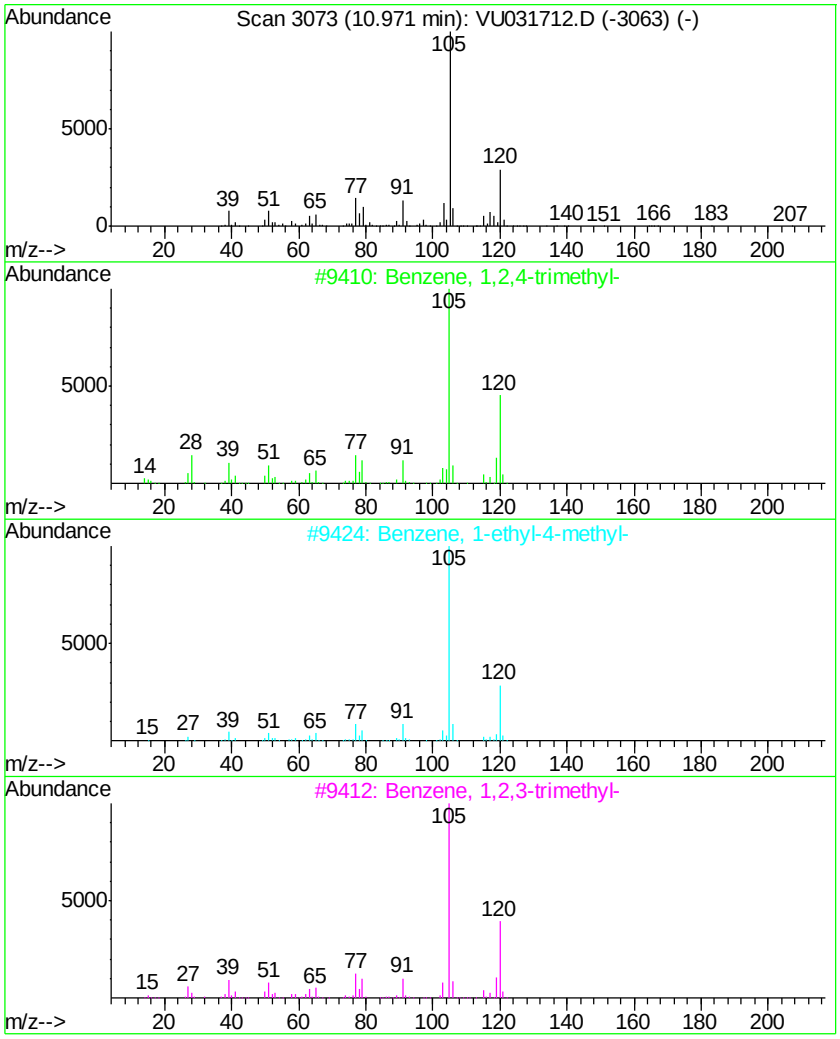
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

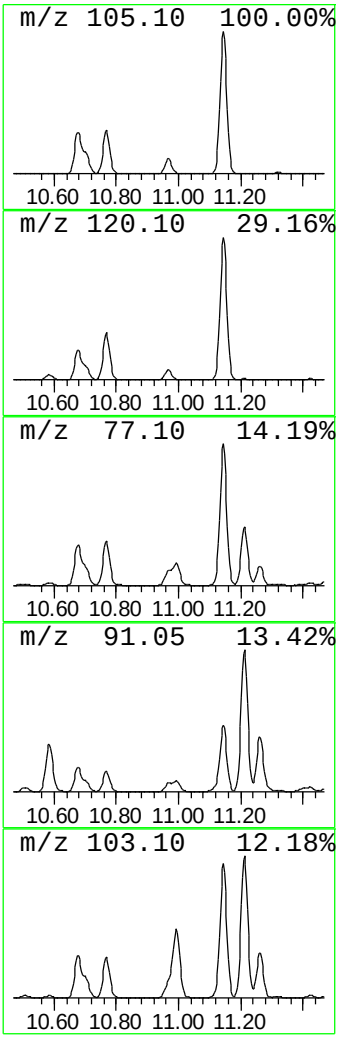
****

Peak Number 9 Benzene, 1,2,4-trimethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	22.07 ug/L	1346750	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Library Search Compound Report

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Data File : VU031712.D
Acq On : 02 May 2019 15:08
Operator : JC/SP
Sample : K2603-19 10X
Misc : 5.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ71

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

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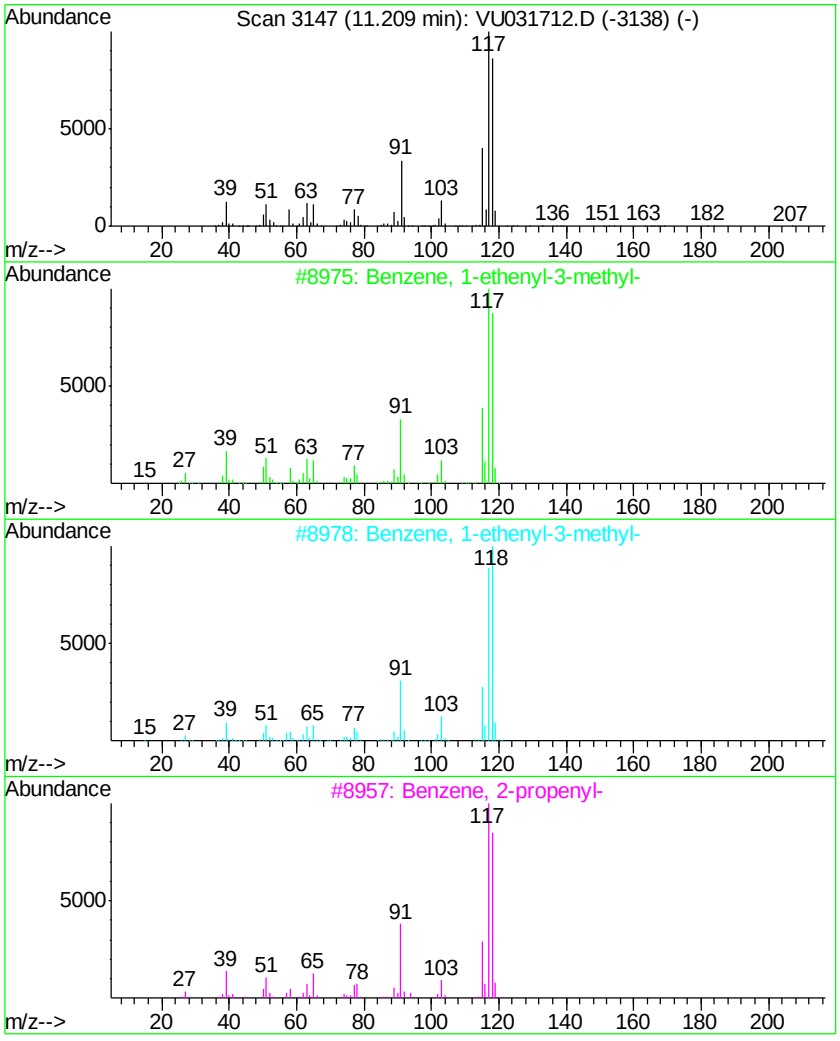
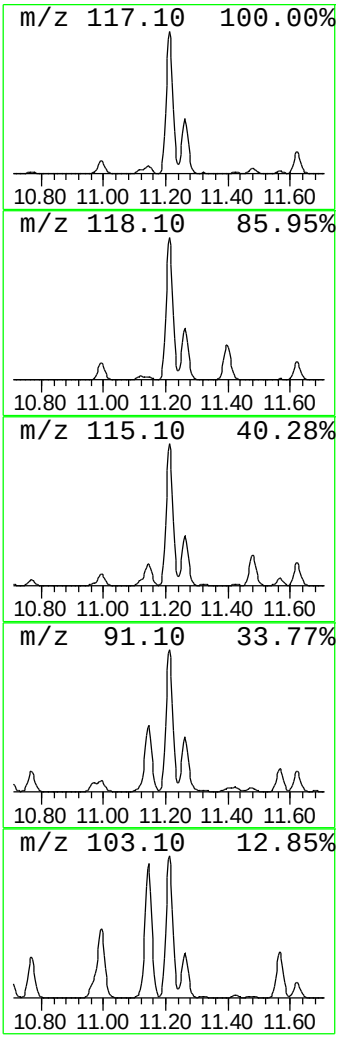
Peak Number 11 Benzene, 1-ethenyl-3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	229.10 ug/L	13980000	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	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, 2-propenyl-	118	C9H10	000300-57-2	95
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	95
5	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	95





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Data File : VU031712.D
Acq On : 02 May 2019 15:08
Operator : JC/SP
Sample : K2603-19 10X
Misc : 5.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ71

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

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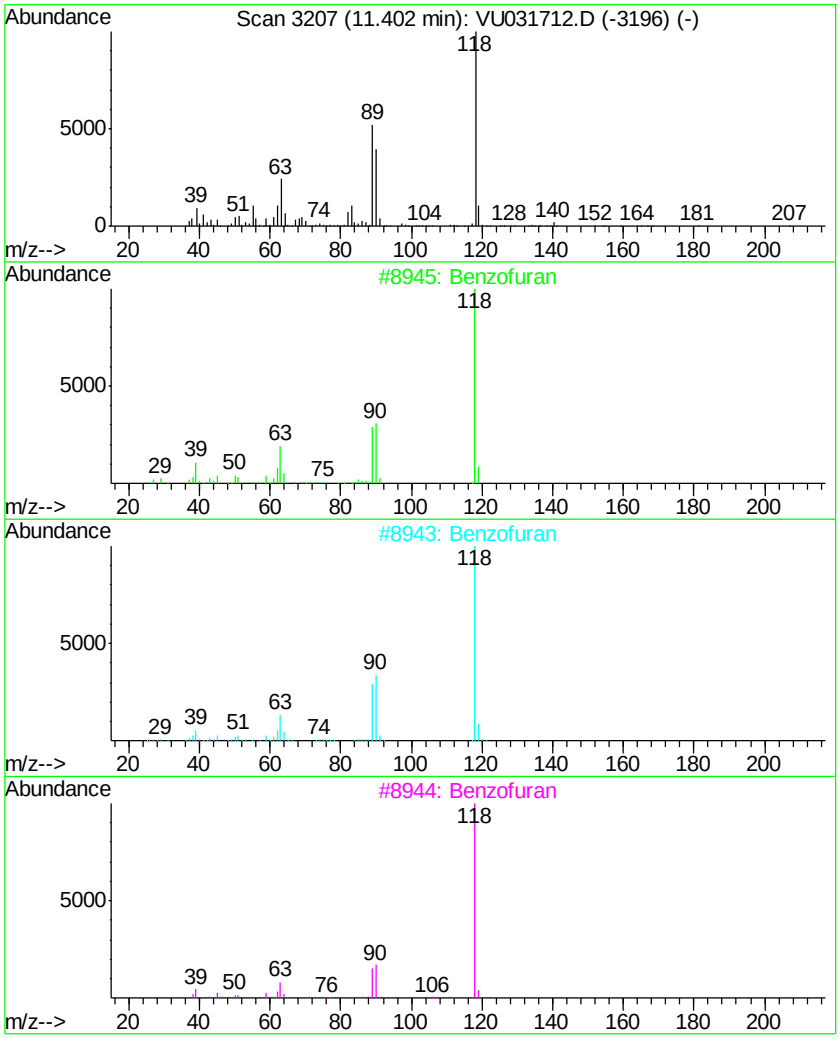
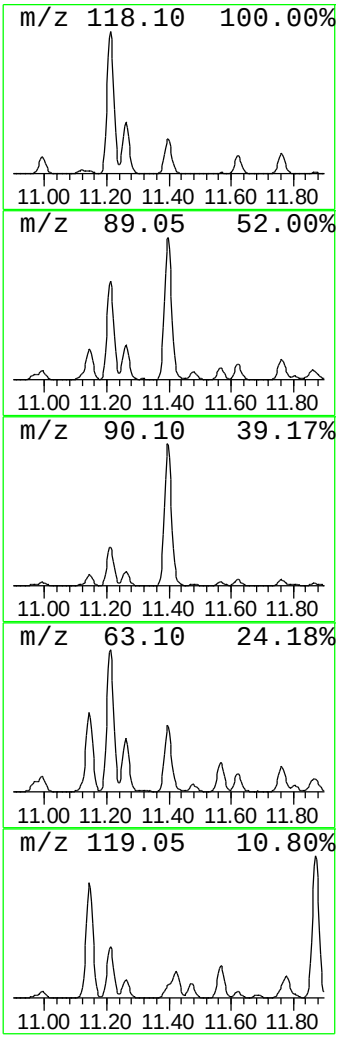
Peak Number 13 Benzofuran Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	54.10 ug/L	3301320	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran	118	C8H6O	000271-89-6	94
2	Benzofuran	118	C8H6O	000271-89-6	93
3	Benzofuran	118	C8H6O	000271-89-6	90
4	3-Hydroxyphenylacetylene	118	C8H6O	010401-11-3	72
5	1H-Pyrrolo[2,3-b]pyridine	118	C7H6N2	000271-63-6	50





Library Search Compound Report

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Data File : VU031712.D
Acq On : 02 May 2019 15:08
Operator : JC/SP
Sample : K2603-19 10X
Misc : 5.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ71

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

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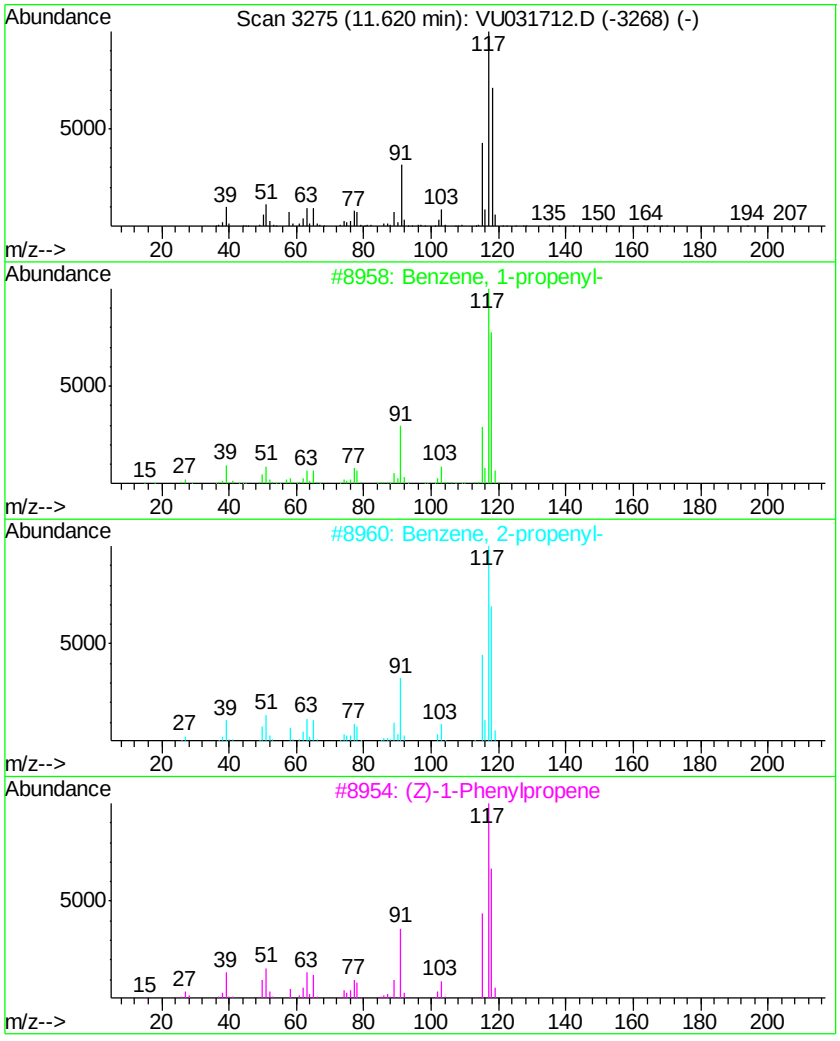
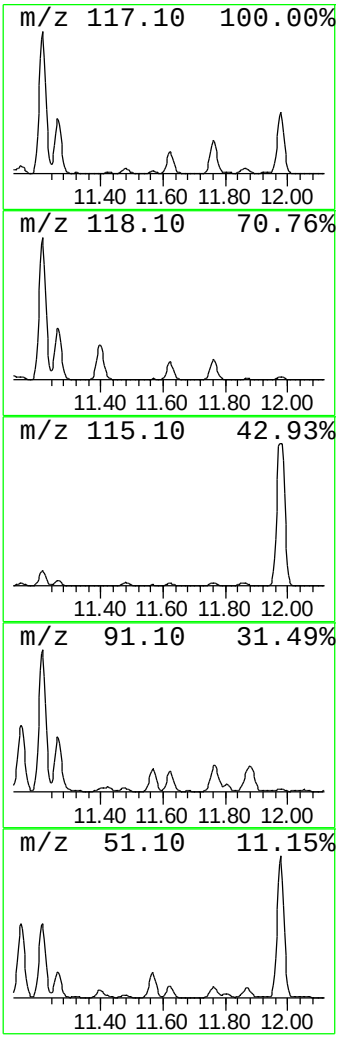
Peak Number 15 Benzene, 1-propenyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	35.45 ug/L	2163250	1,4-Dichlorobenzene-d4	11.48

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, 2-propenyl-	118	C9H10	000300-57-2	93
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	93





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Acq On : 02 May 2019 15:08
Operator : JC/SP
Sample : K2603-19 10X
Misc : 5.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ71

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

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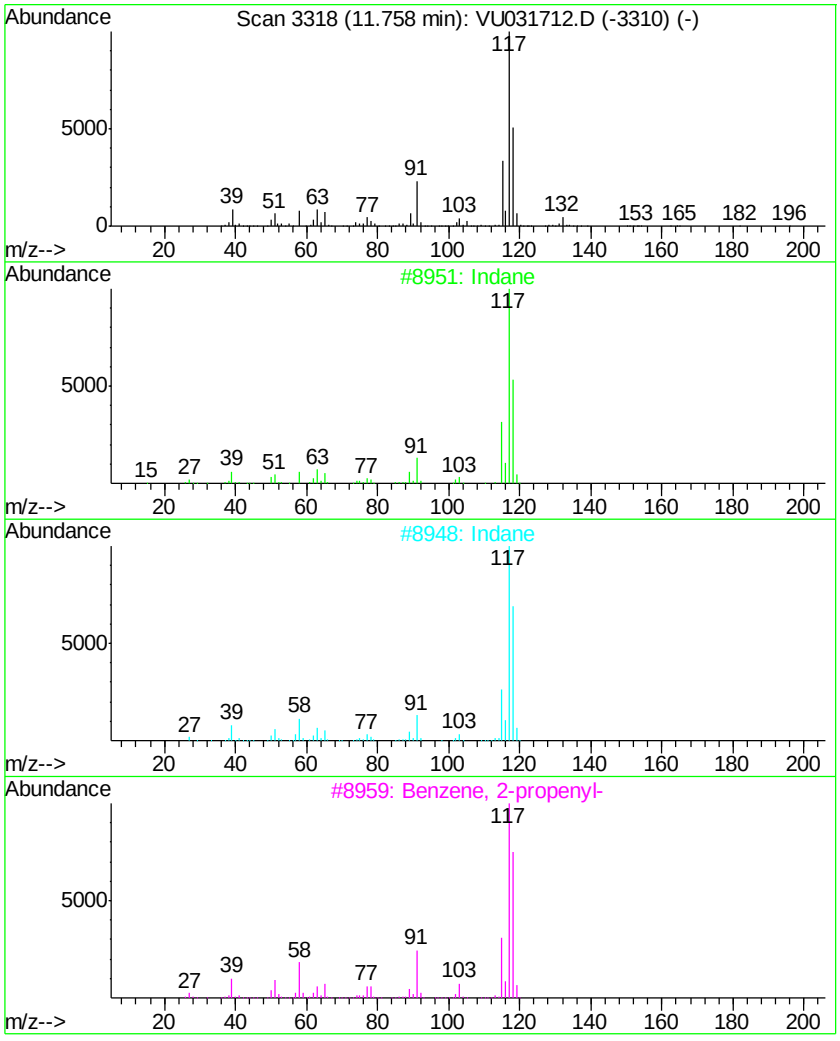
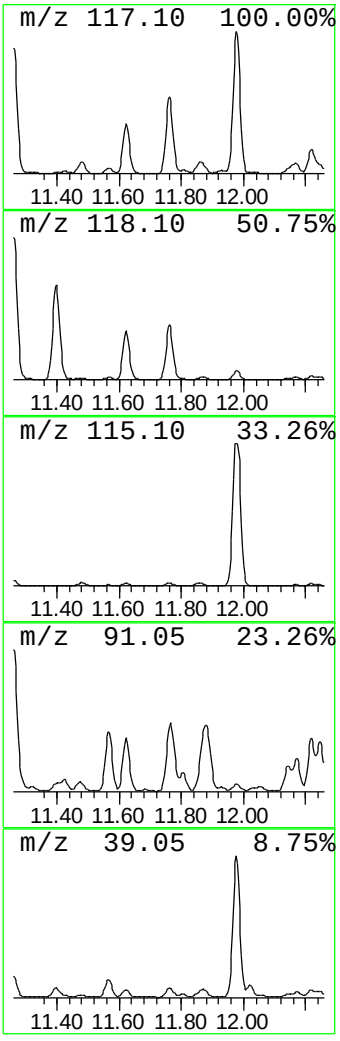
Peak Number 16 Indane Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	51.14 ug/L	3120760	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	81
2	Indane	118	C9H10	000496-11-7	81
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	74
4	Indane	118	C9H10	000496-11-7	74
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72





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Data File : VU031712.D
Acq On : 02 May 2019 15:08
Operator : JC/SP
Sample : K2603-19 10X
Misc : 5.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ71

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

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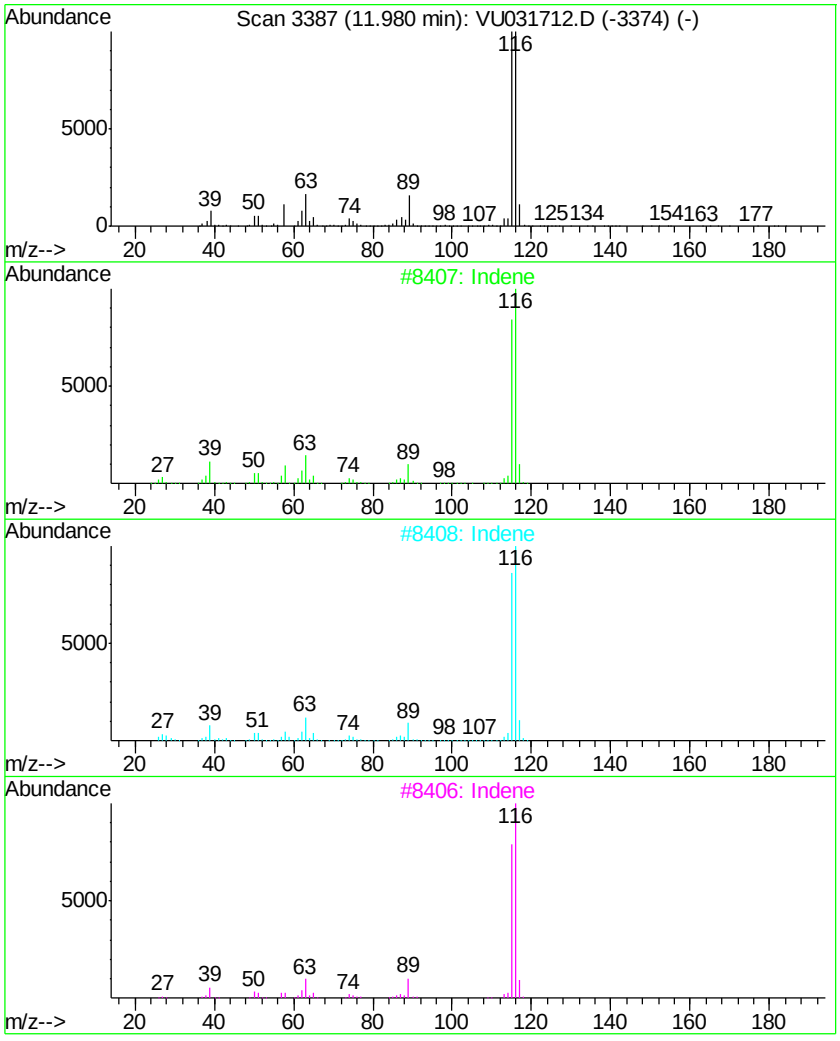
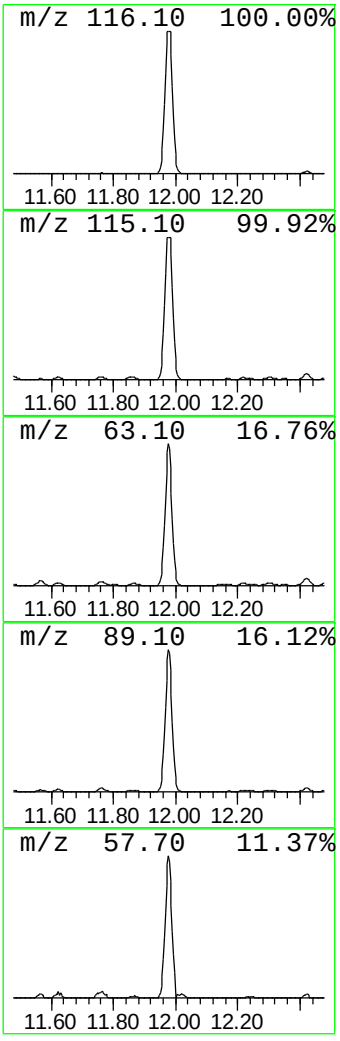
Peak Number 17 Indene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	836.25 ug/L	51029400	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Indene	116	C9H8	000095-13-6	96
3	Indene	116	C9H8	000095-13-6	94
4	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





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Acq On : 02 May 2019 15:08
Operator : JC/SP
Sample : K2603-19 10X
Misc : 5.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ71

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

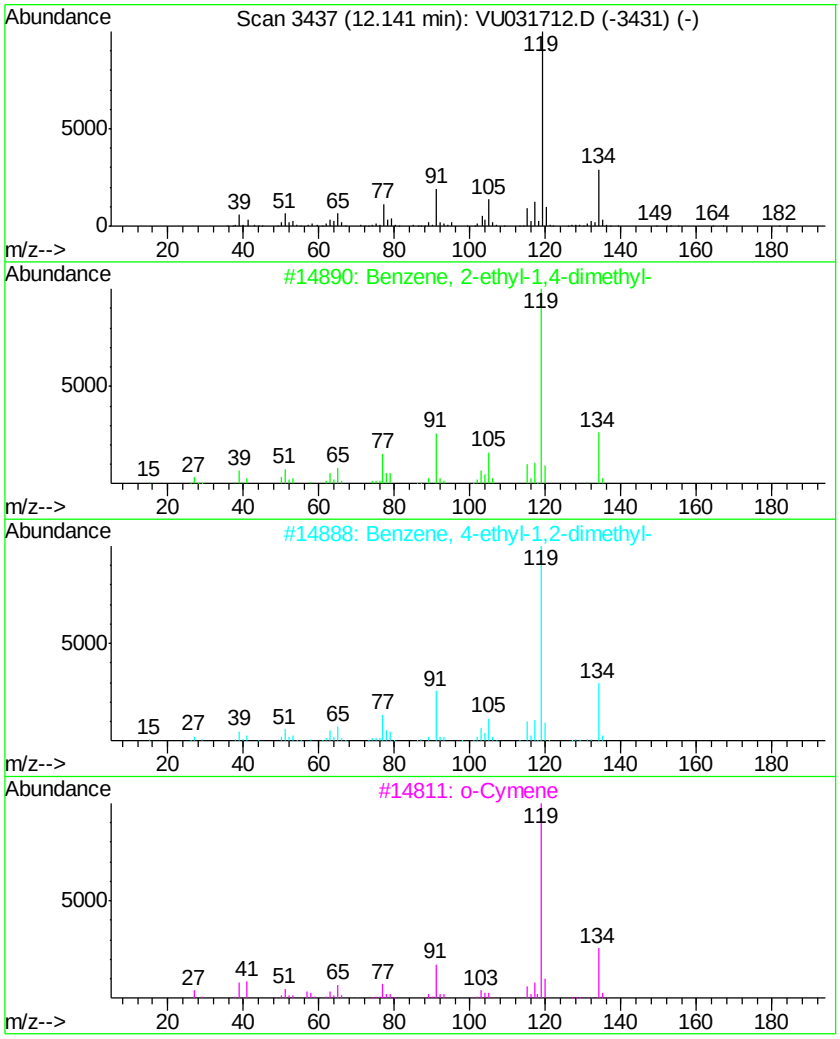
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

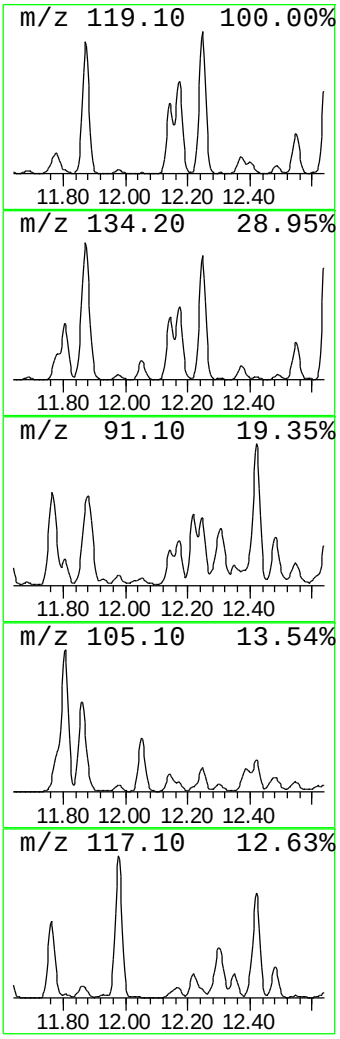
****

Peak Number 18 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	15.31 ug/L	934360	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93





Library Search Compound Report

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Acq On : 02 May 2019 15:08
Operator : JC/SP
Sample : K2603-19 10X
Misc : 5.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ71

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

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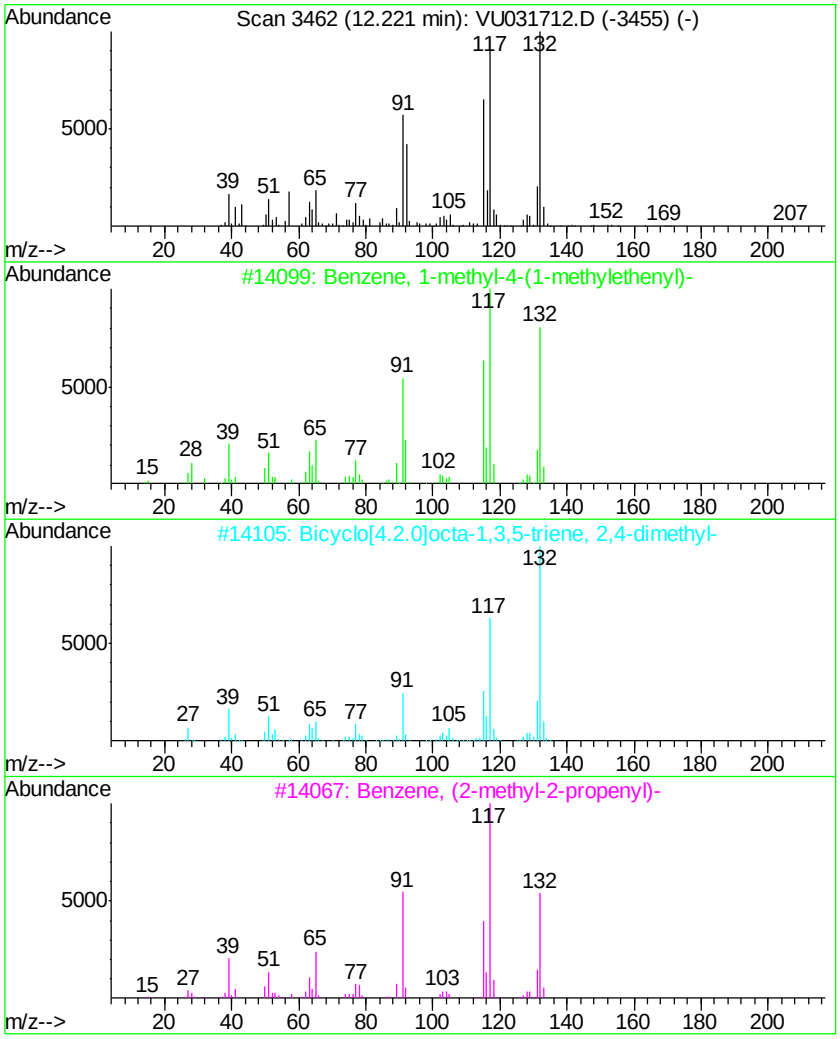
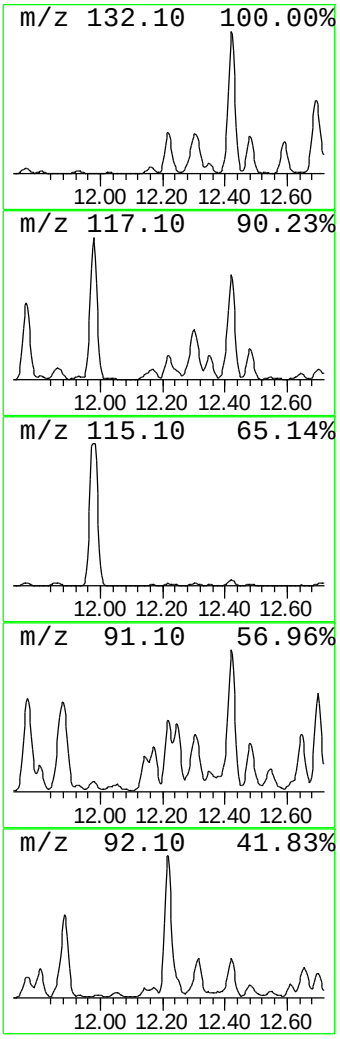
Peak Number 19 Benzene, 1-methyl-4-(1-meth... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	22.44 ug/L	1369080	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	96
2	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	93
3	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	81
4	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	76
5	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	76





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Acq On : 02 May 2019 15:08
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Sample : K2603-19 10X
Misc : 5.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ71

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

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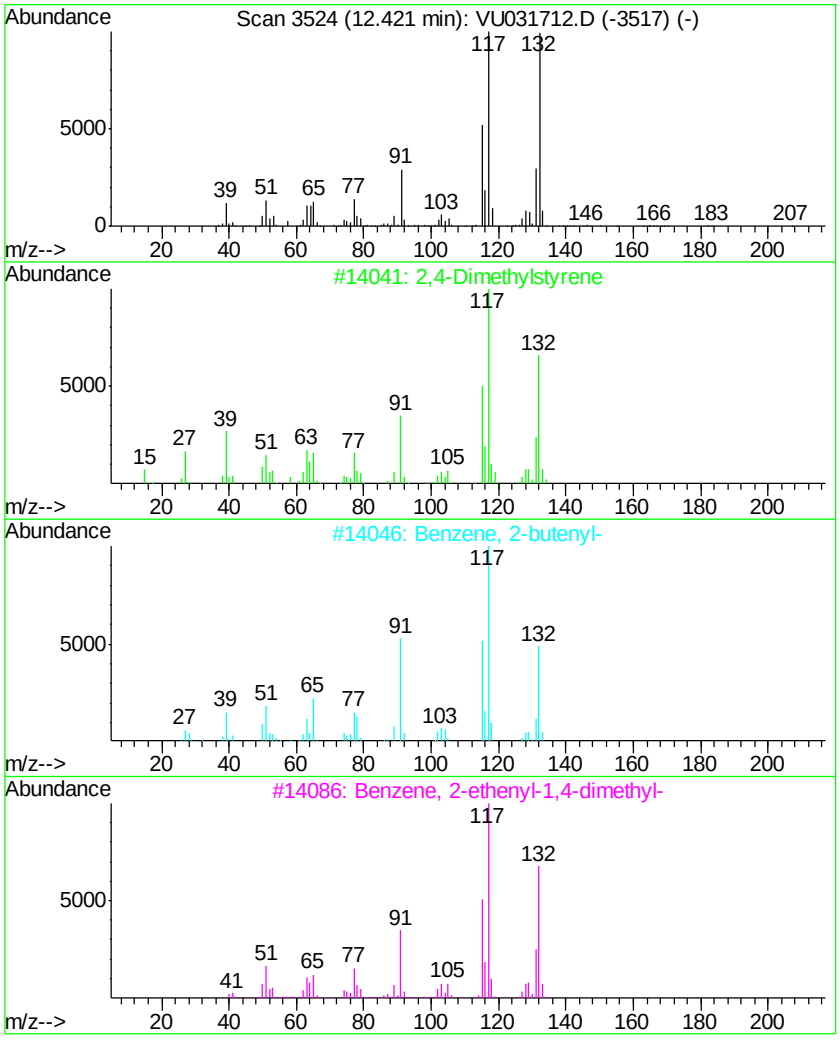
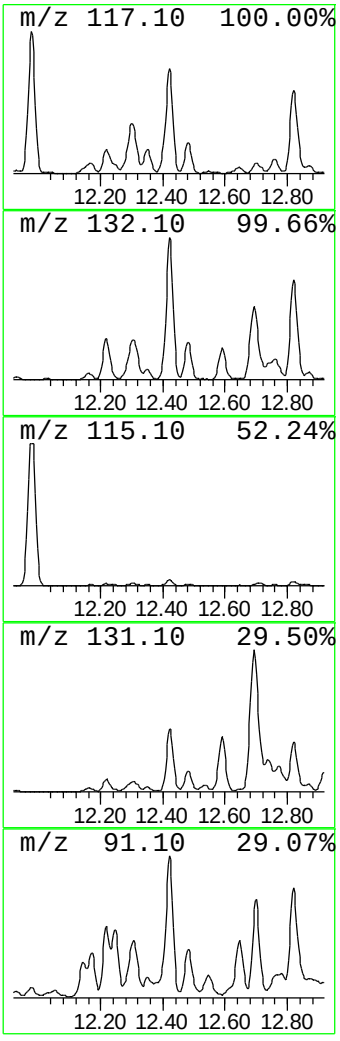
Peak Number 20 2,4-Dimethylstyrene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	88.33 ug/L	5390050	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethylstyrene	132	C10H12	002234-20-0	94
2	Benzene, 2-butenyl-	132	C10H12	001560-06-1	93
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	93
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	91
5	Benzene, (1-methylenepropyl)-	132	C10H12	002039-93-2	91





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Data File : VU031712.D
Acq On : 02 May 2019 15:08
Operator : JC/SP
Sample : K2603-19 10X
Misc : 5.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ71

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

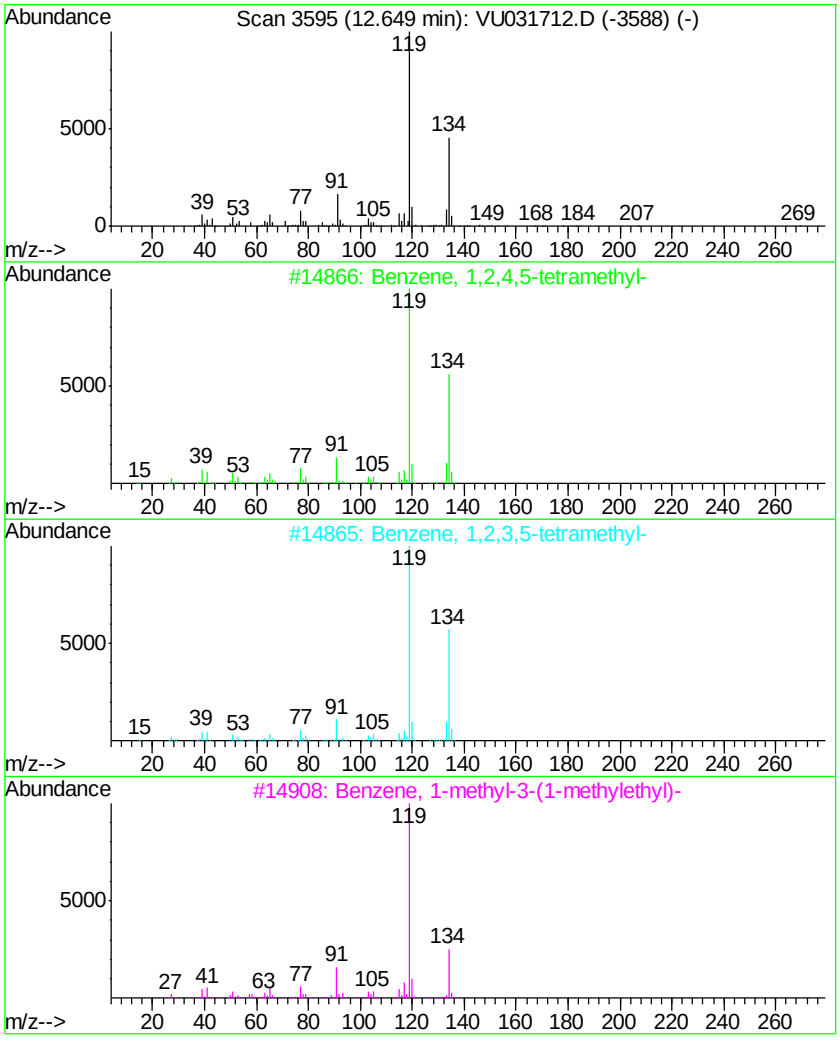
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

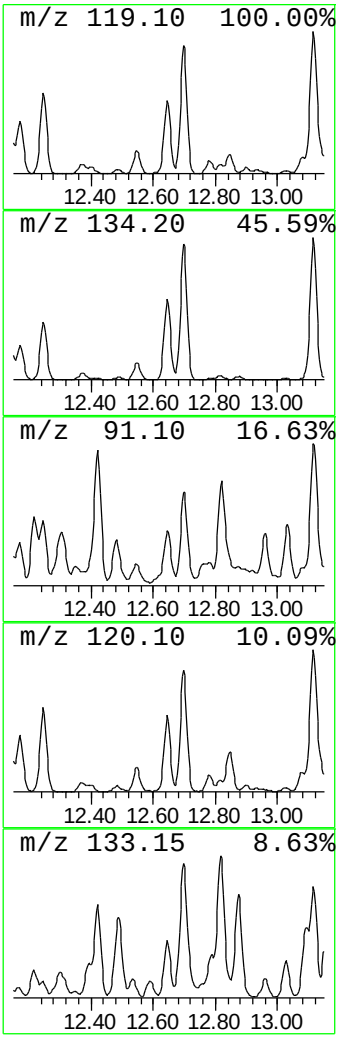
****

Peak Number 22 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	28.42 ug/L	1734190	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94





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Acq On : 02 May 2019 15:08
Operator : JC/SP
Sample : K2603-19 10X
Misc : 5.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ71

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

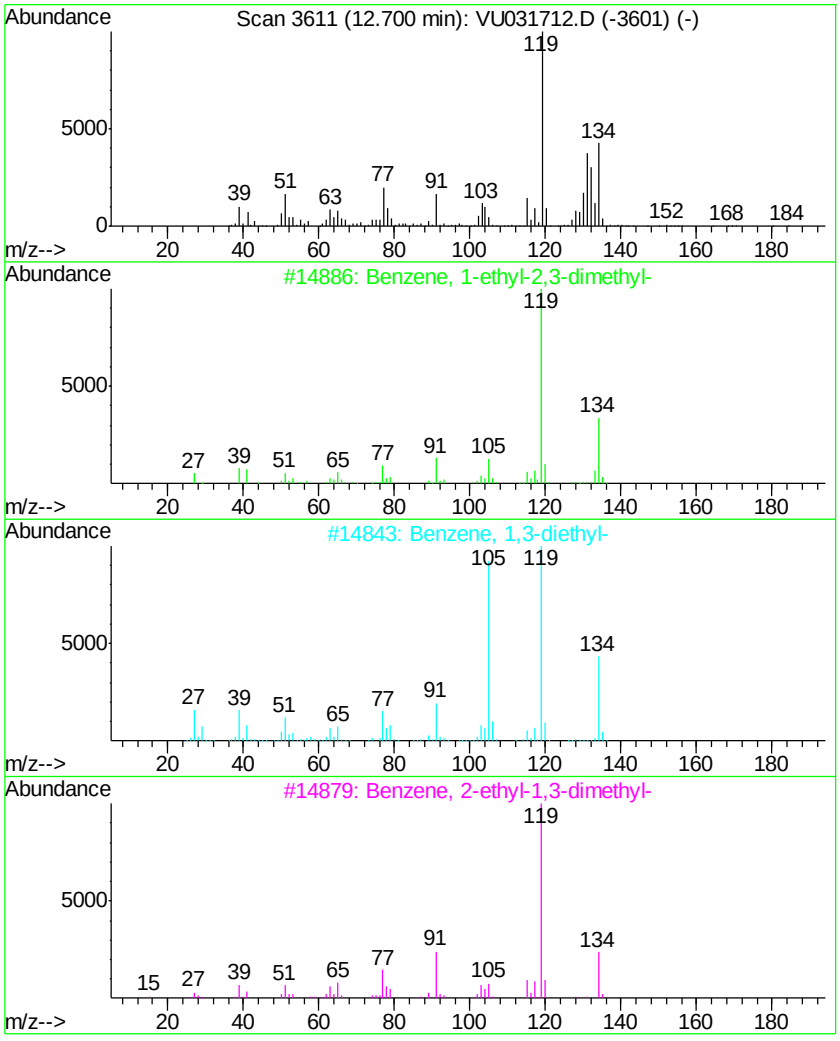
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

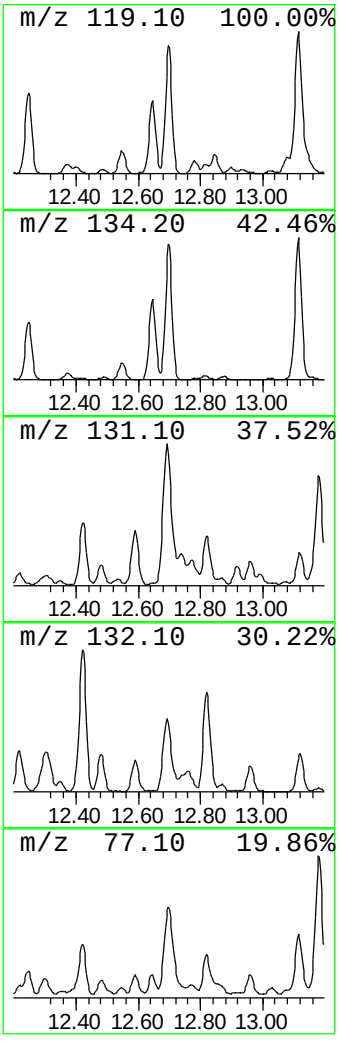
****

Peak Number 23 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	138.39 ug/L	8444540	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	70
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	68
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	64
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	64
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	64





Library Search Compound Report

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Data File : VU031712.D
Acq On : 02 May 2019 15:08
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Sample : K2603-19 10X
Misc : 5.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ71

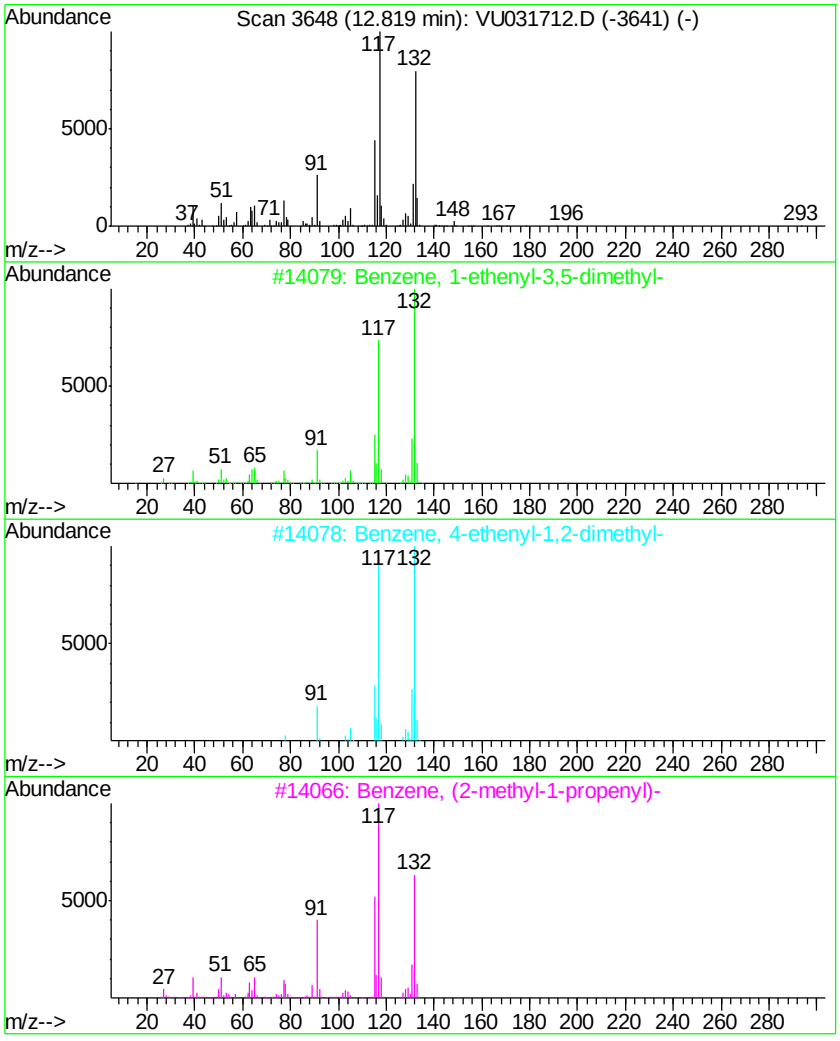
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

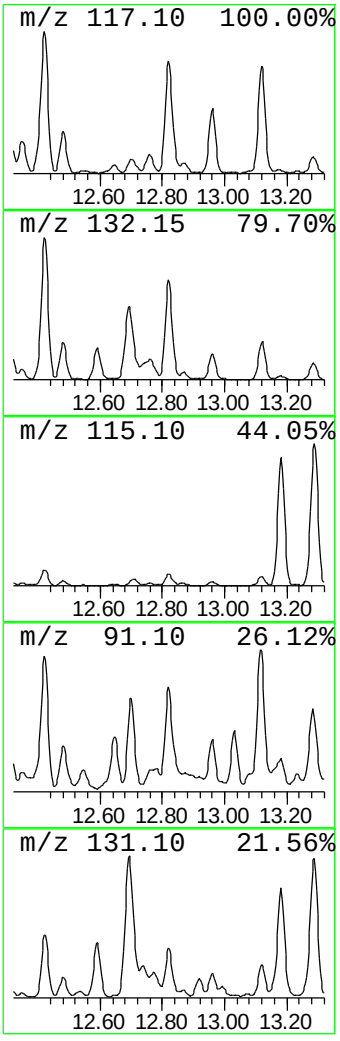
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 Benzene, 1-ethenyl-3,5-dime... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.82	66.28 ug/L	4044440	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	97
2	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	97
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	95
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	94
5	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	94





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Acq On : 02 May 2019 15:08
Operator : JC/SP
Sample : K2603-19 10X
Misc : 5.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ71

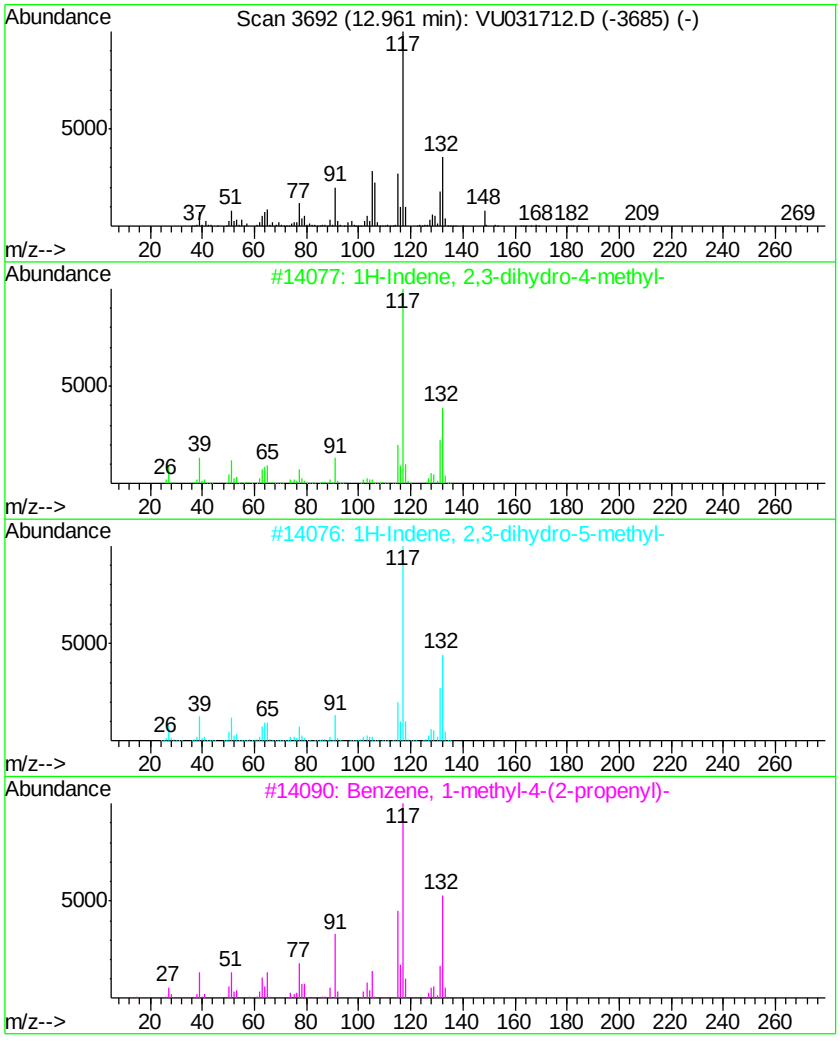
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

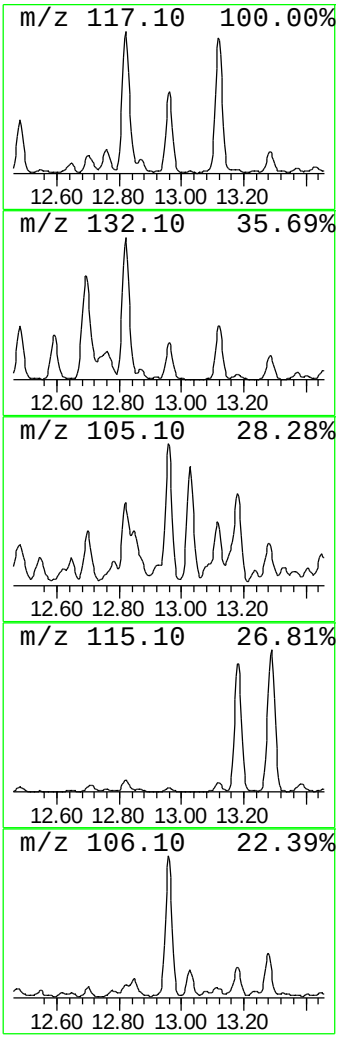
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	33.06 ug/L	2017270	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	92
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	92
3	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	91
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	81
5	Indan, 1-methyl-	132	C10H12	000767-58-8	76





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Acq On : 02 May 2019 15:08
Operator : JC/SP
Sample : K2603-19 10X
Misc : 5.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ71

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

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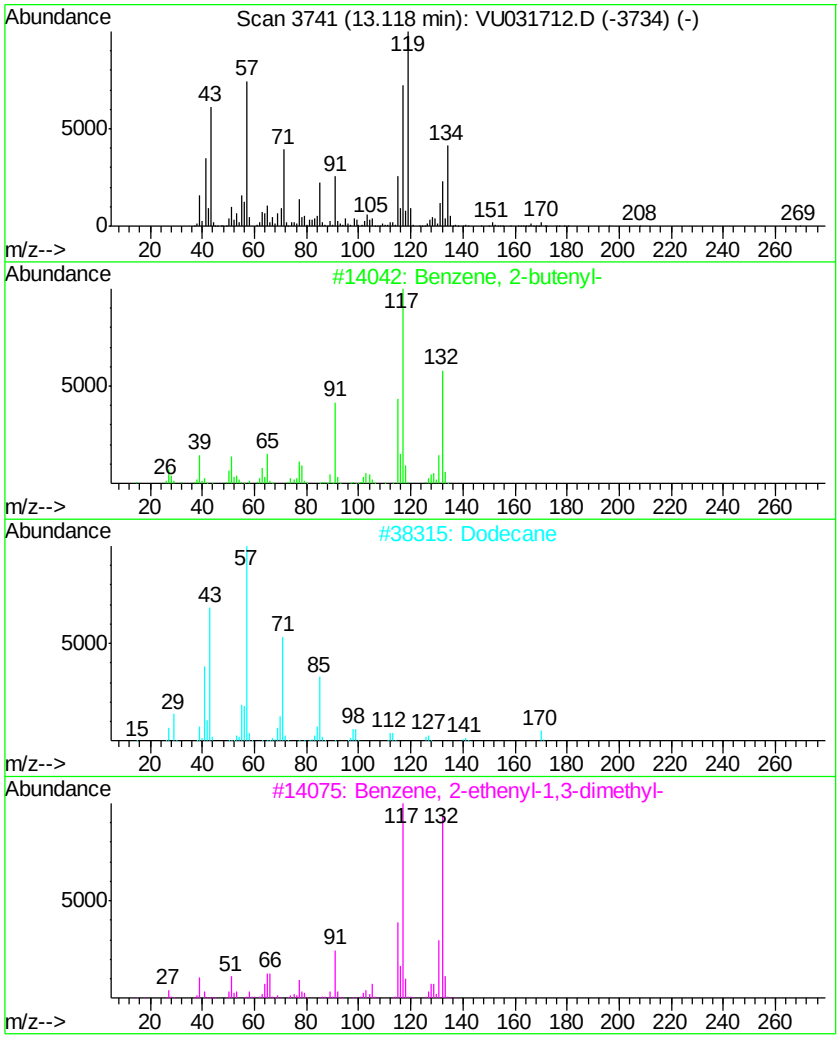
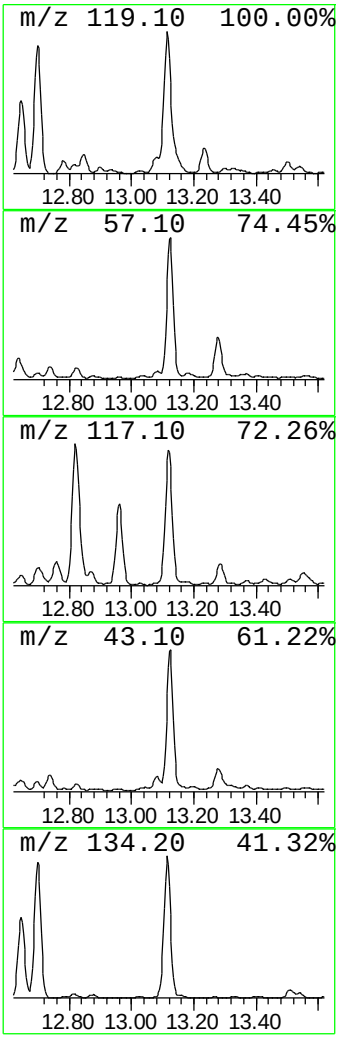
Peak Number 26 Benzene, 2-butenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	141.70 ug/L	8646600	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-butenyl-	132	C10H12	001560-06-1	72
2	Dodecane	170	C12H26	000112-40-3	53
3	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	51
4	p-Cymene	134	C10H14	000099-87-6	50
5	p-Cymene	134	C10H14	000099-87-6	50





Library Search Compound Report

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Data File : VU031712.D
Acq On : 02 May 2019 15:08
Operator : JC/SP
Sample : K2603-19 10X
Misc : 5.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ71

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

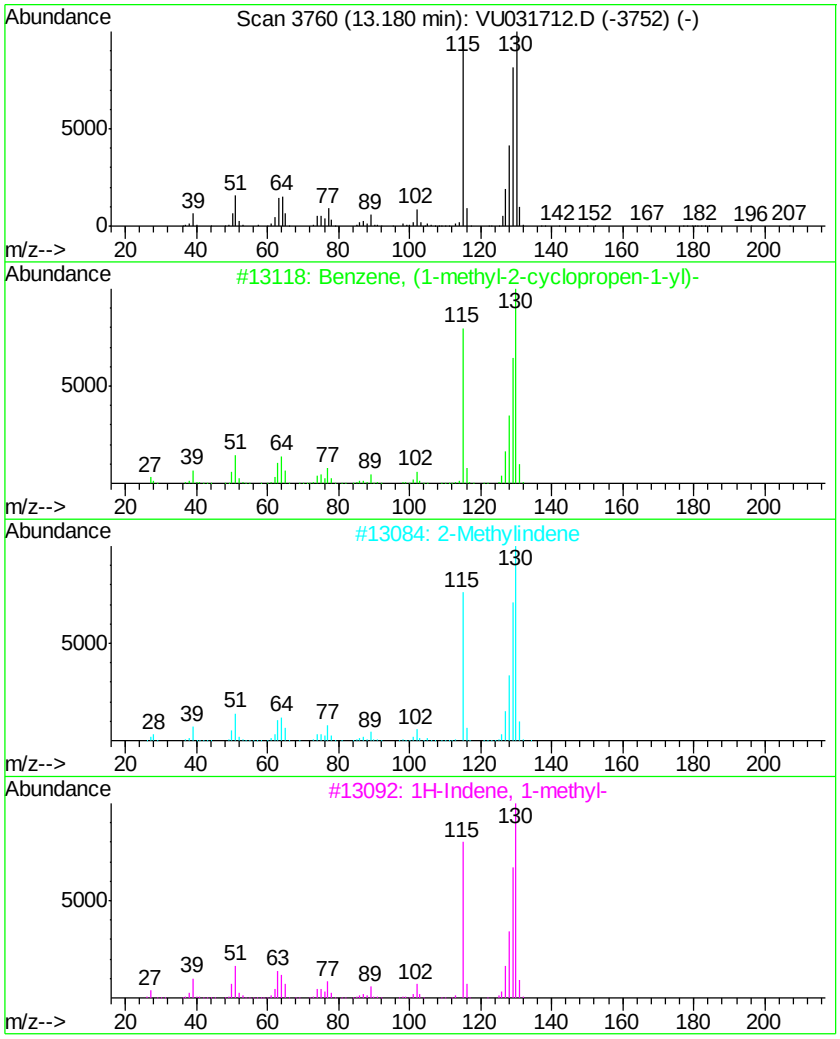
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

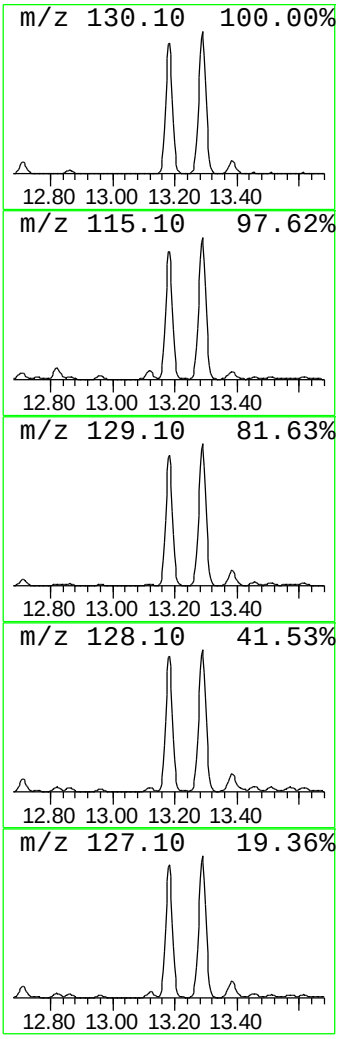
****

Peak Number 27 Benzene, (1-methyl-2-cyclop... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	367.25 ug/L	22410000	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	97
2	2-Methylindene	130	C10H10	002177-47-1	97
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
4	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	96
5	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	93





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Data File : VU031712.D
Acq On : 02 May 2019 15:08
Operator : JC/SP
Sample : K2603-19 10X
Misc : 5.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ71

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

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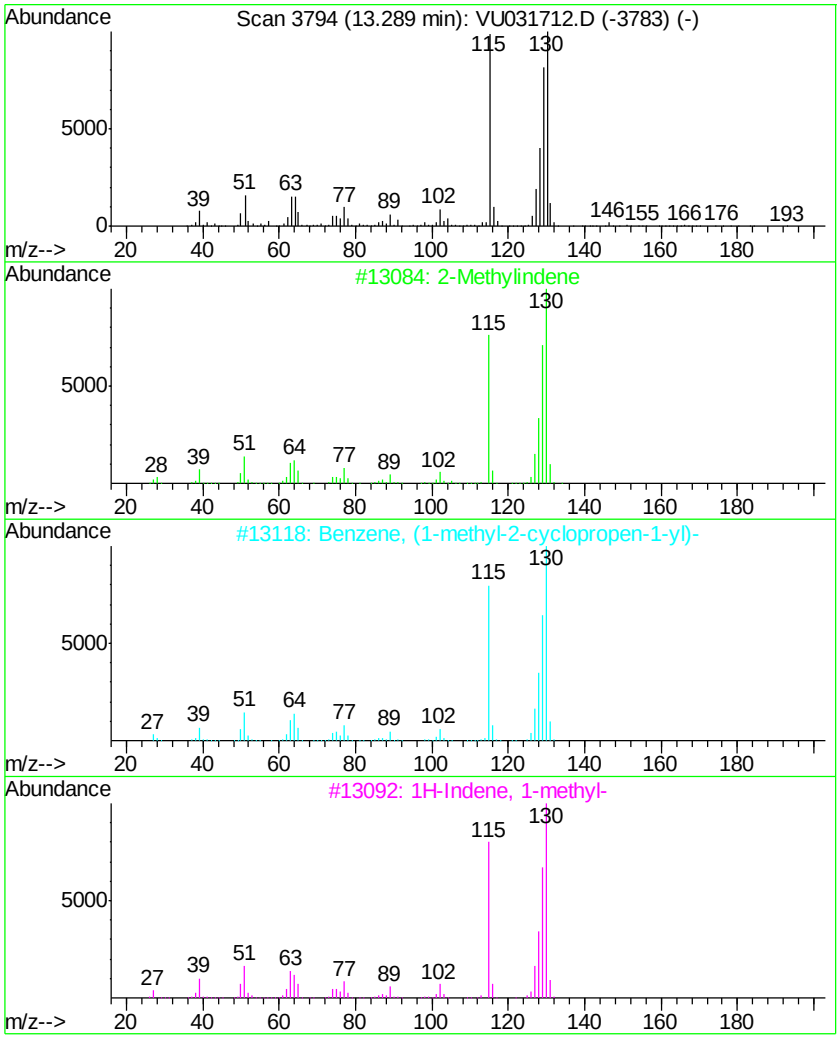
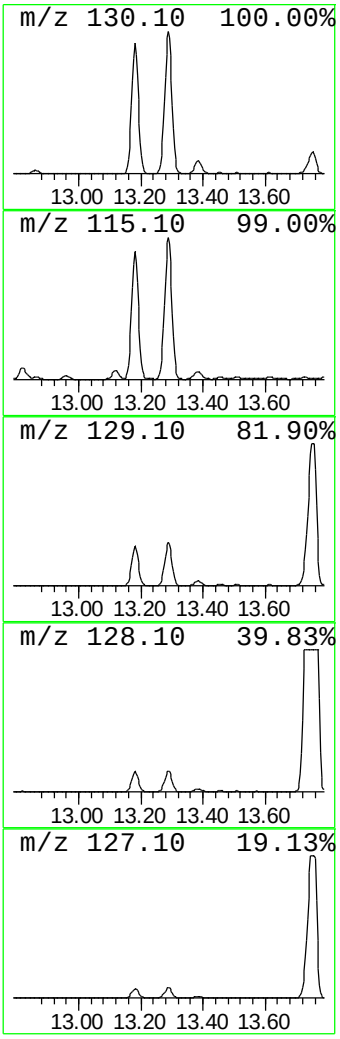
Peak Number 28 2-Methylindene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	469.45 ug/L	28646400	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	97
2	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	97
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
4	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
5	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	96





Library Search Compound Report

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Data File : VU031712.D
Acq On : 02 May 2019 15:08
Operator : JC/SP
Sample : K2603-19 10X
Misc : 5.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ71

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

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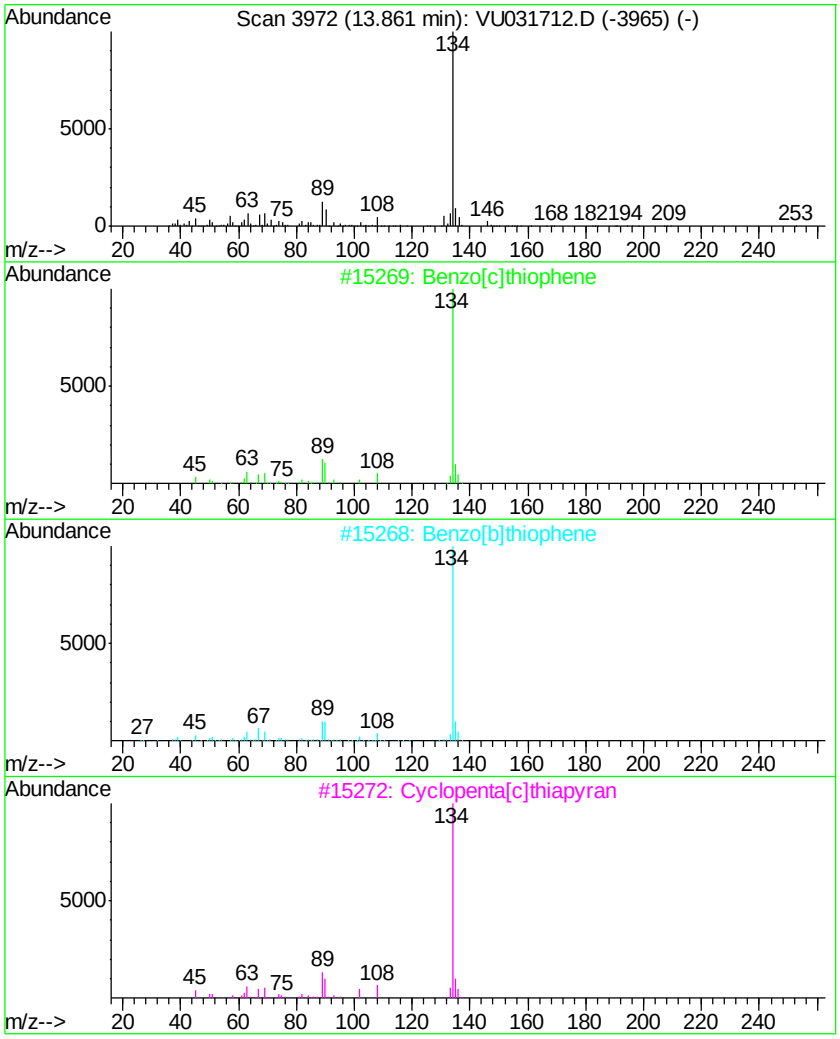
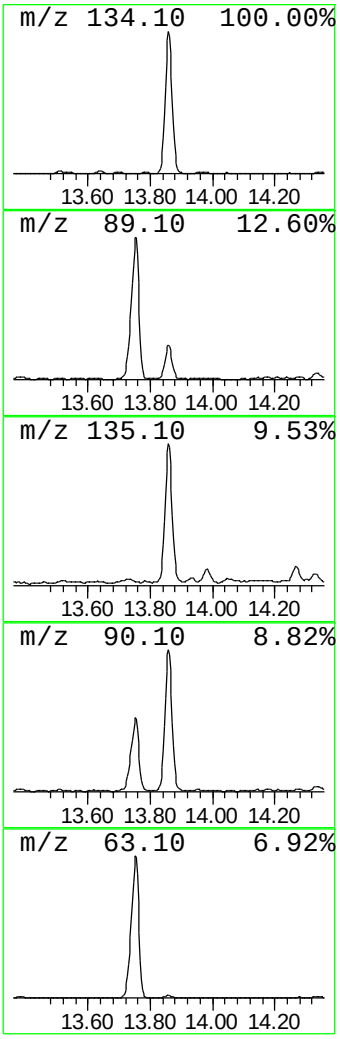
Peak Number 30 Benzo[c]thiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	95.67 ug/L	5838040	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]thiophene	134	C8H6S	000270-82-6	97
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	95
3	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	91
5	[1]Benzothieno[2',3':3,4]cyclobu...	246	C13H10O3S	034002-19-2	56





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Acq On : 02 May 2019 15:08
Operator : JC/SP
Sample : K2603-19 10X
Misc : 5.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ71

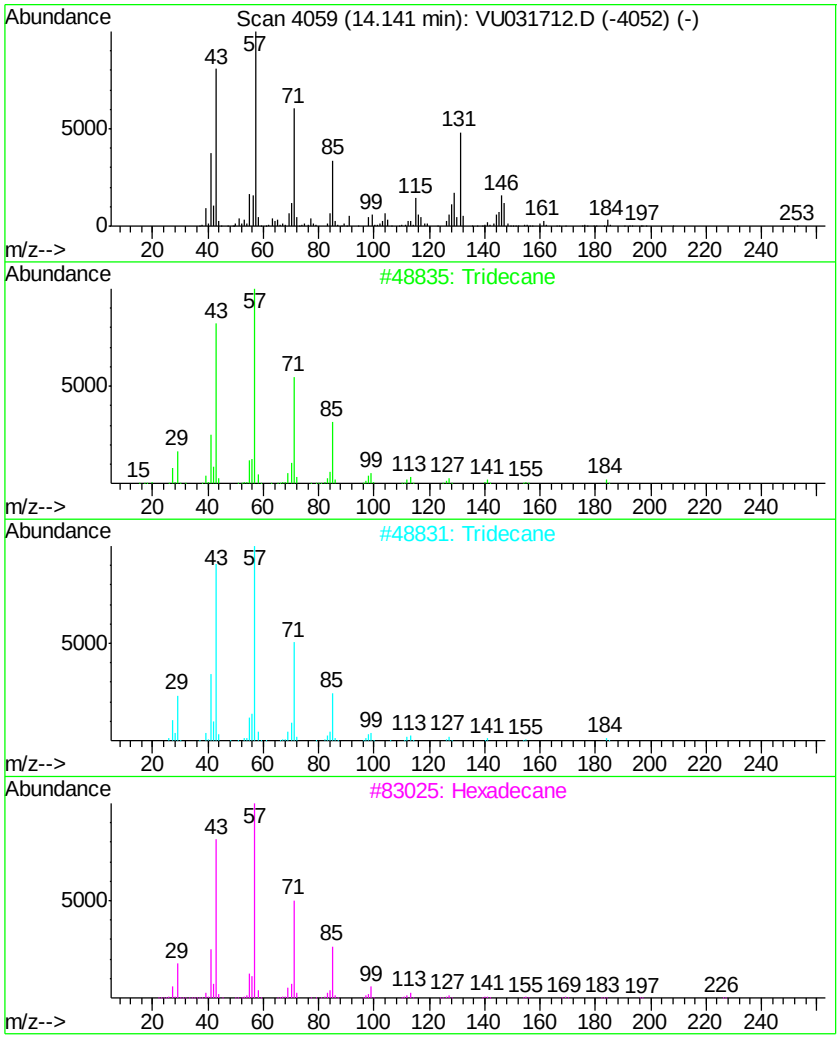
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

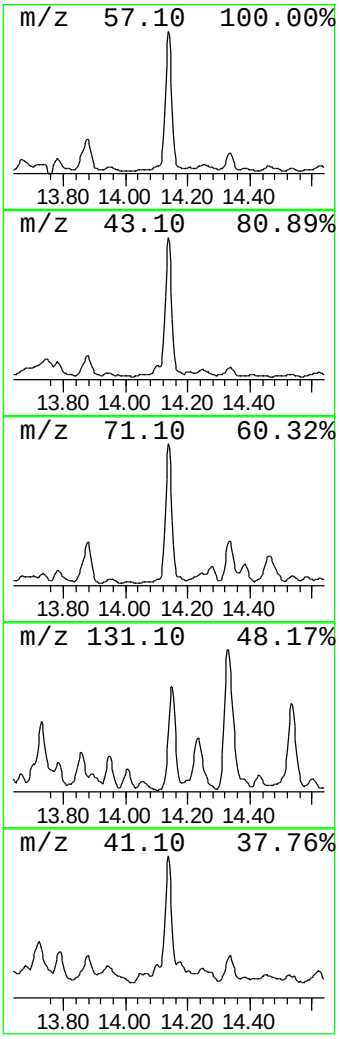
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	59.93 ug/L	3657250	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	89
2	Tridecane	184	C13H28	000629-50-5	64
3	Hexadecane	226	C16H34	000544-76-3	41
4	Decane, 2-methyl-	156	C11H24	006975-98-0	38
5	Tetradecane	198	C14H30	000629-59-4	38





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Operator : JC/SP
Sample : K2603-19 10X
Misc : 5.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ71

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

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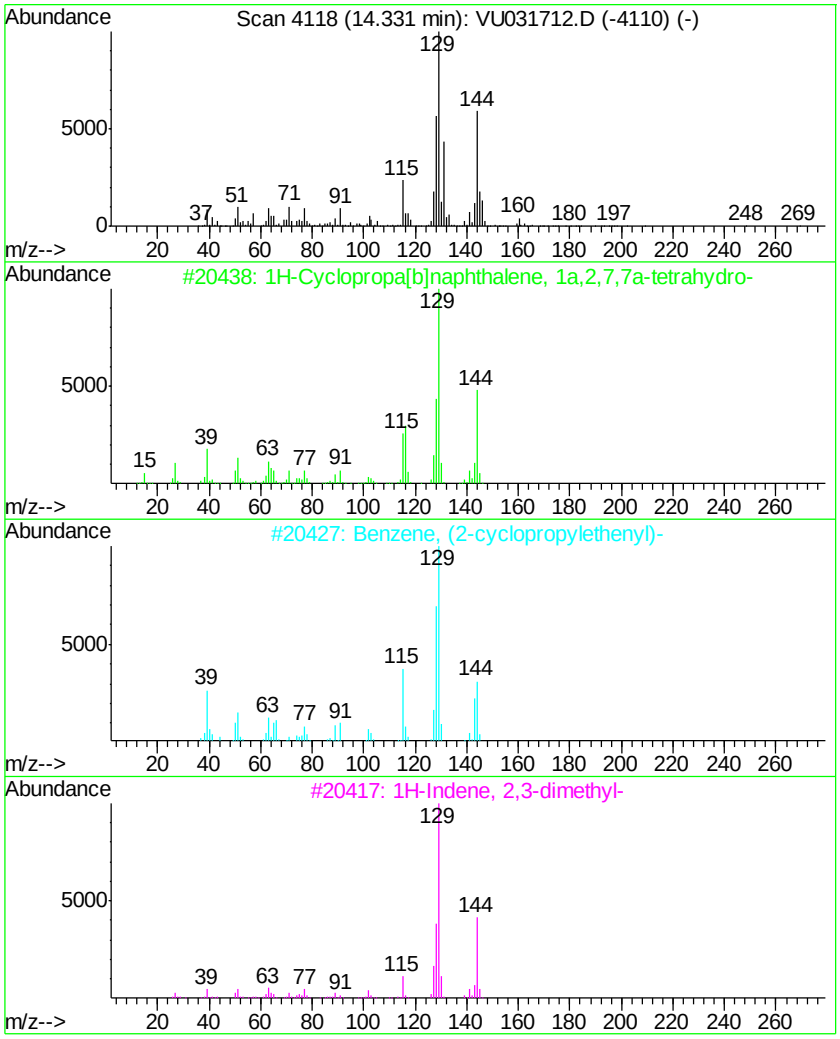
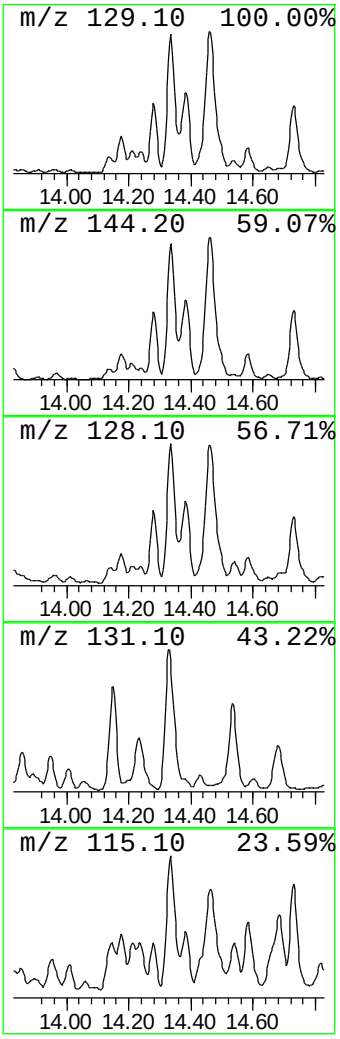
Peak Number 32 1H-Cyclopropa[b]naphthalene... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	131.91 ug/L	8049200	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[b]naphthalene, 1a,...	144	C11H12	006571-72-8	81
2	Benzene, (2-cyclopropylethenyl)-	144	C11H12	1000142-01-6	81
3	1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	81
4	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	81
5	2-Ethyl-1-H-indene	144	C11H12	017059-50-6	76





Library Search Compound Report

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Misc : 5.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ71

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

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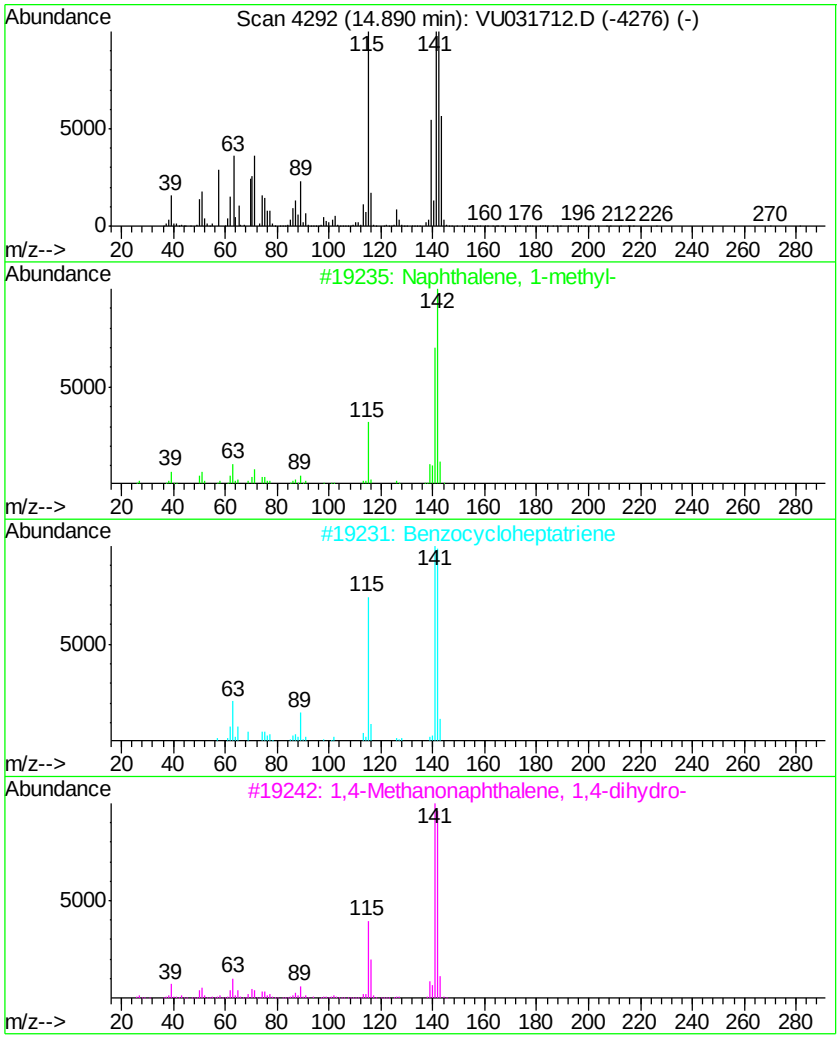
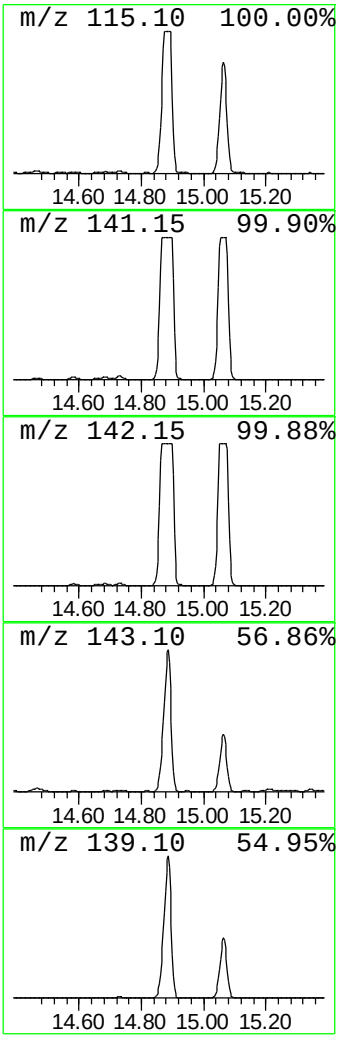
Peak Number 33 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.89	3172.58 ug/L	193597000	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
2	Benzocycloheptatriene	142	C11H10	000264-09-5	93
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	90
4	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	87
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	76





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050219\
Data File : VU031712.D
Acq On : 02 May 2019 15:08
Operator : JC/SP
Sample : K2603-19 10X
Misc : 5.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ71

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

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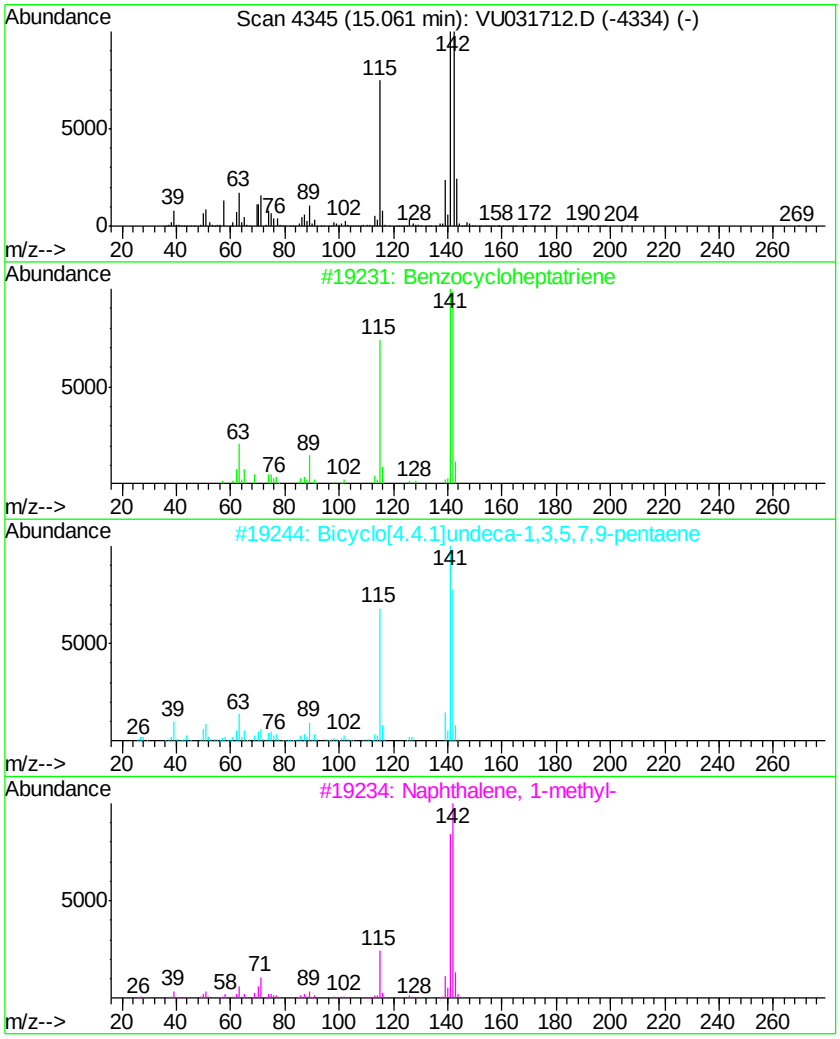
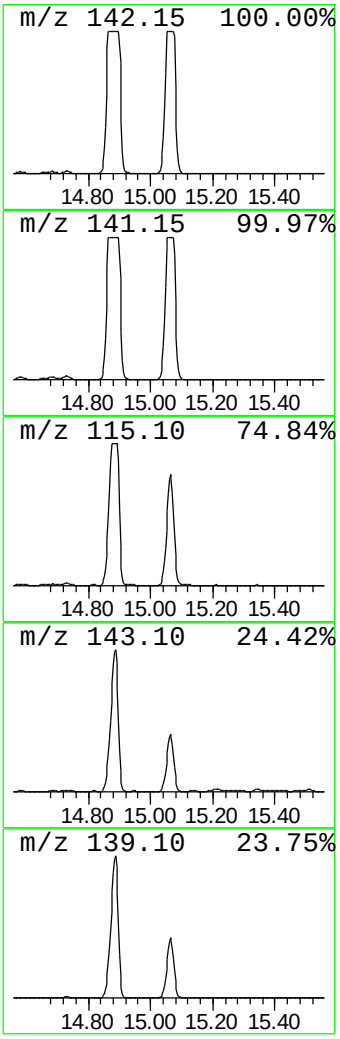
Peak Number 34 Benzocycloheptatriene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	1642.54 ug/L	100231000	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzocycloheptatriene	142	C11H10	000264-09-5	96
2	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	94
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050219\
Data File : VU031712.D
Acq On : 02 May 2019 15:08
Operator : JC/SP
Sample : K2603-19 10X
Misc : 5.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ71

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

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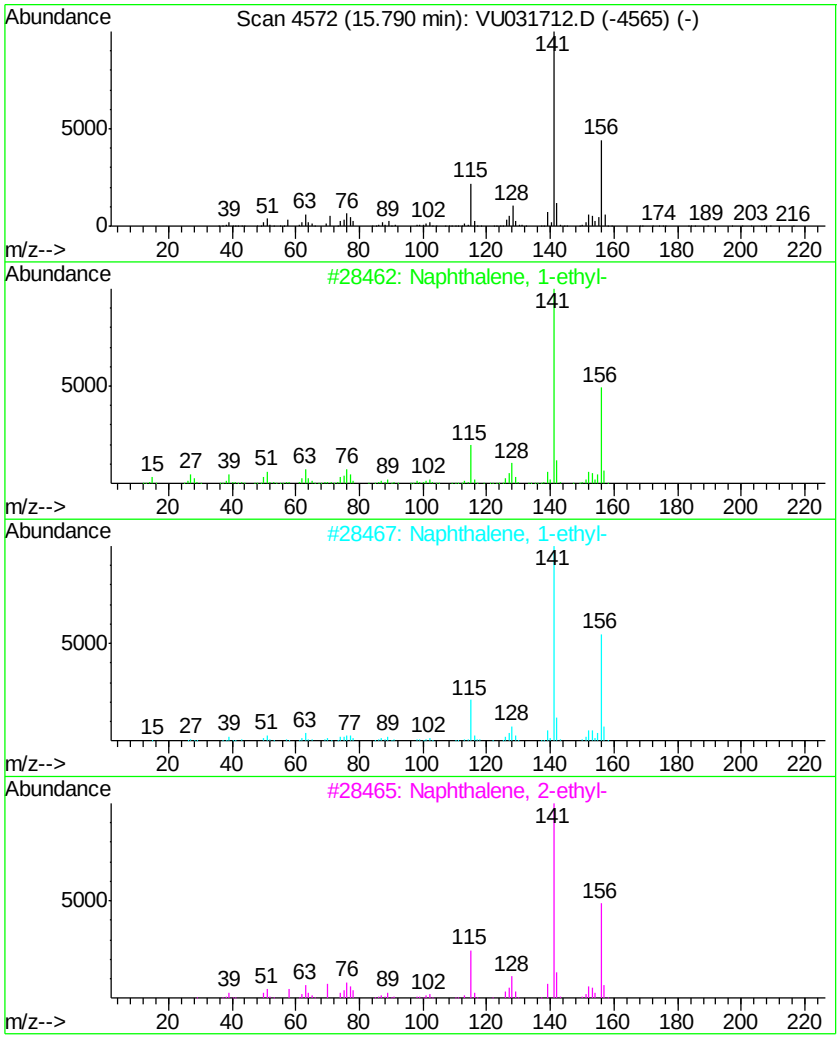
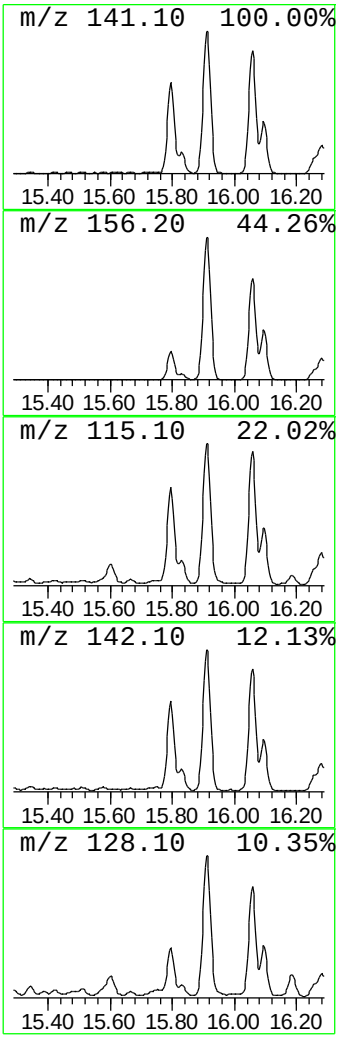
Peak Number 36 Naphthalene, 1-ethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	183.91 ug/L	11222400	1,4-Dichlorobenzene-d4	11.48

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





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050219\
Data File : VU031712.D
Acq On : 02 May 2019 15:08
Operator : JC/SP
Sample : K2603-19 10X
Misc : 5.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ71

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

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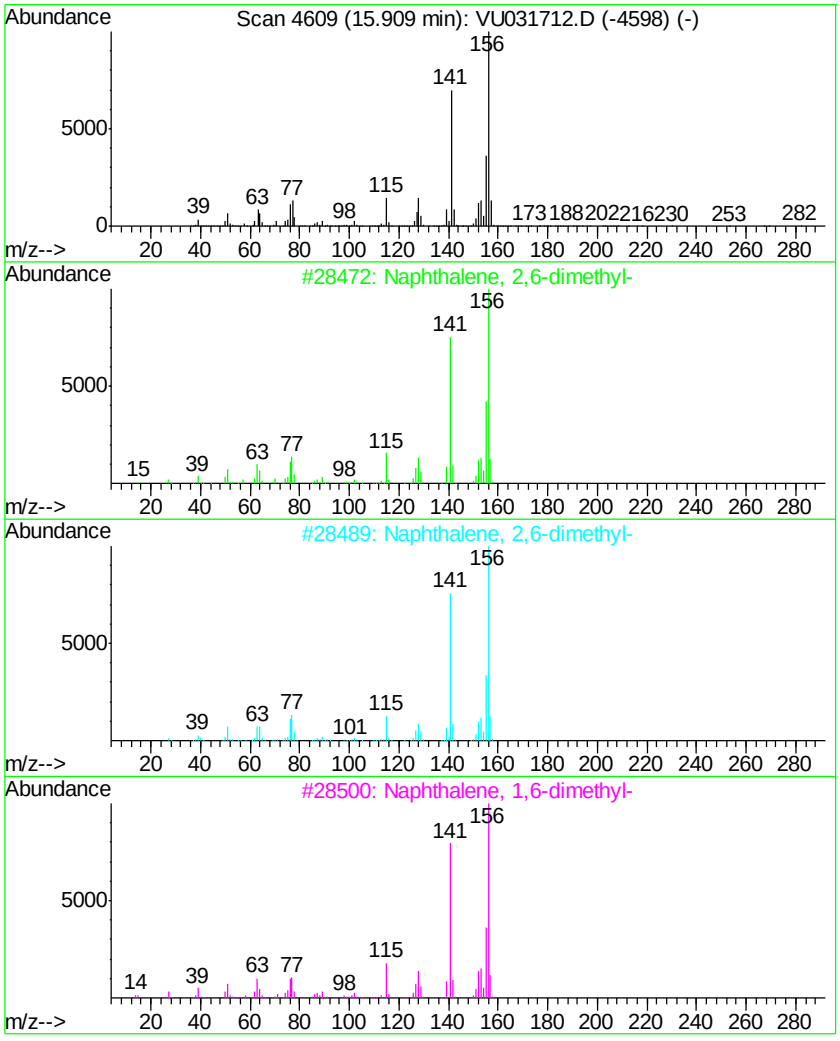
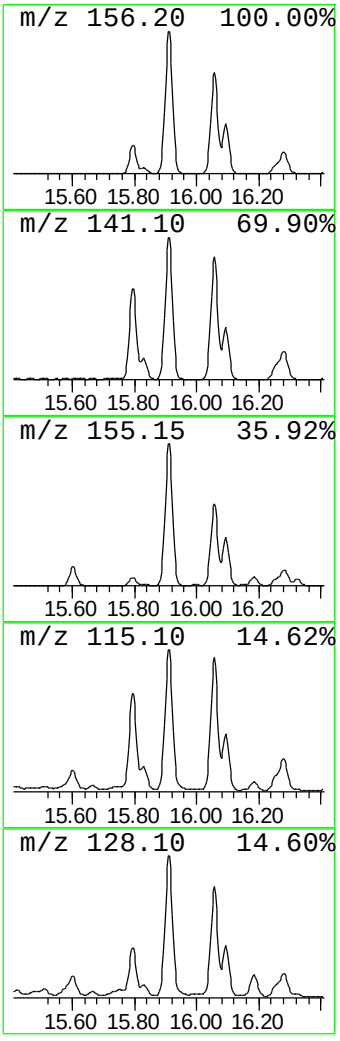
Peak Number 37 Naphthalene, 2,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	665.66 ug/L	40619800	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, 2,6-dimethyl-	156	C12H12	000581-42-0	98
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050219\
Data File : VU031712.D
Acq On : 02 May 2019 15:08
Operator : JC/SP
Sample : K2603-19 10X
Misc : 5.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ71

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

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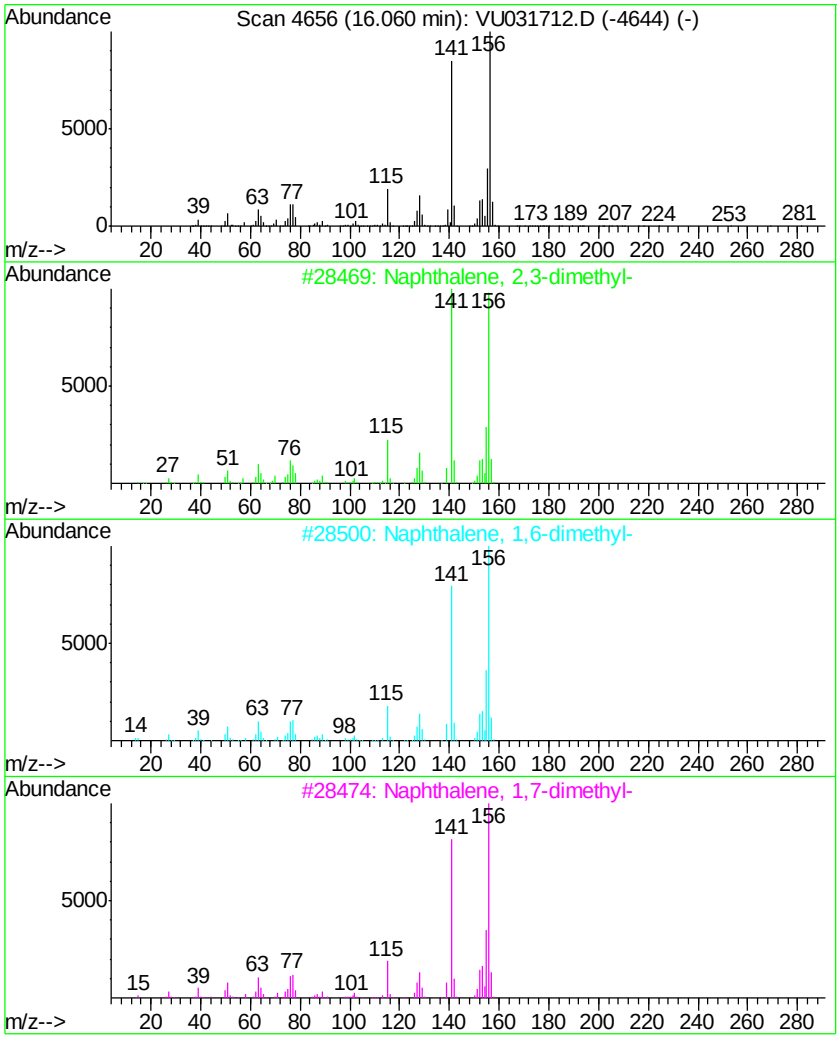
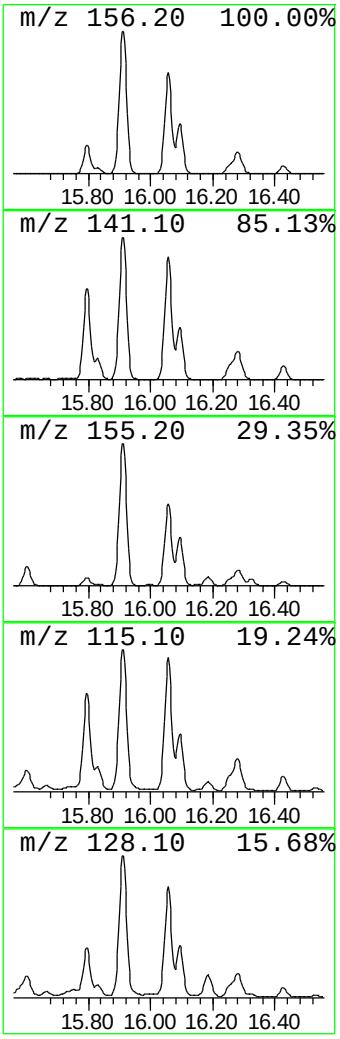
Peak Number 38 Naphthalene, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	454.83 ug/L	27754500	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, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	98
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050219\
Data File : VU031712.D
Acq On : 02 May 2019 15:08
Operator : JC/SP
Sample : K2603-19 10X
Misc : 5.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ71

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

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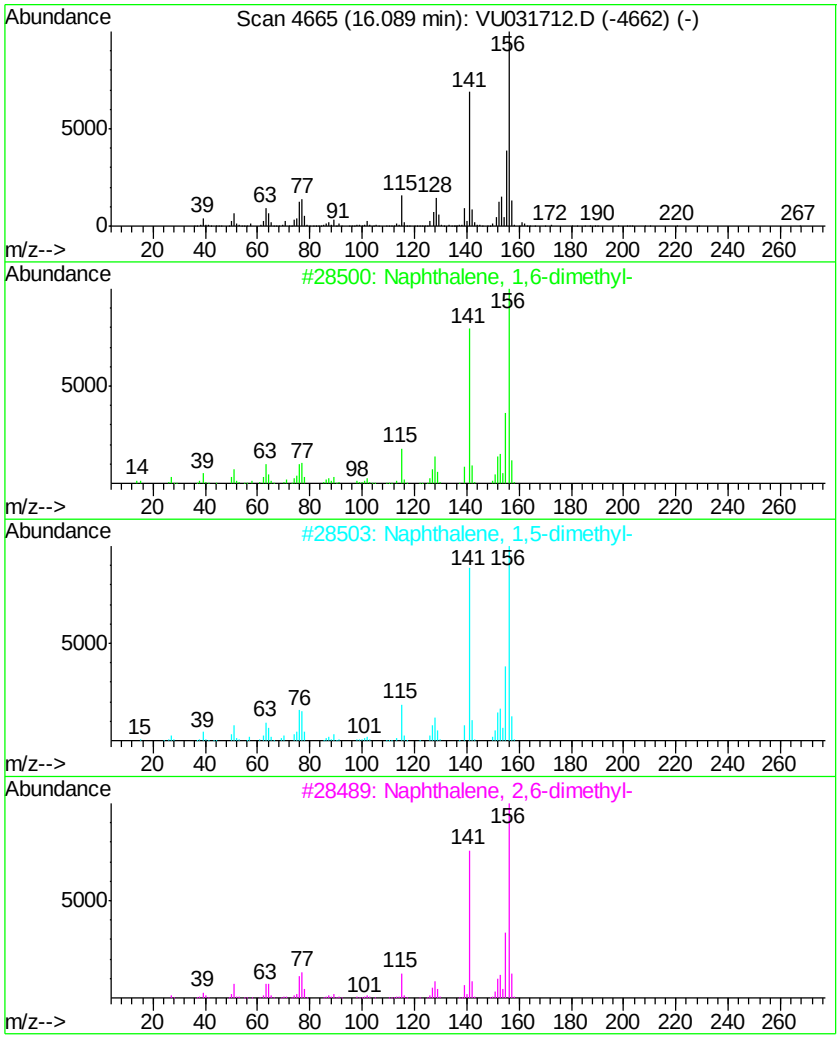
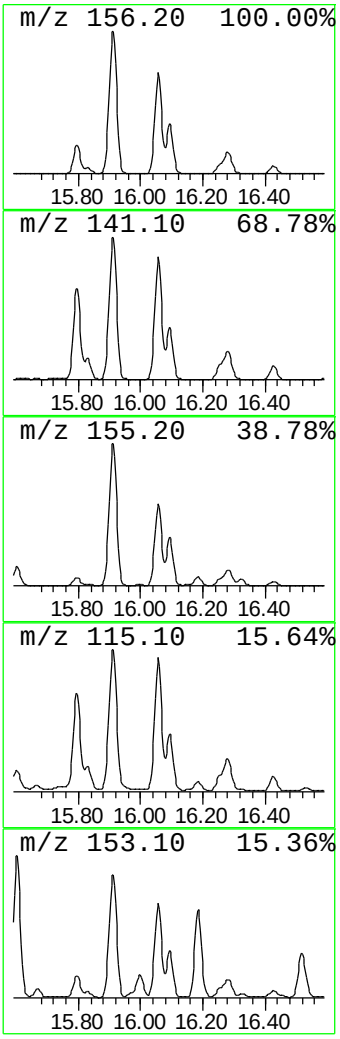
Peak Number 39 Naphthalene, 1,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.09	198.21 ug/L	12095300	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, 1,5-dimethyl-	156	C12H12	000571-61-9	98
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050219\
Data File : VU031712.D
Acq On : 02 May 2019 15:08
Operator : JC/SP
Sample : K2603-19 10X
Misc : 5.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ71

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

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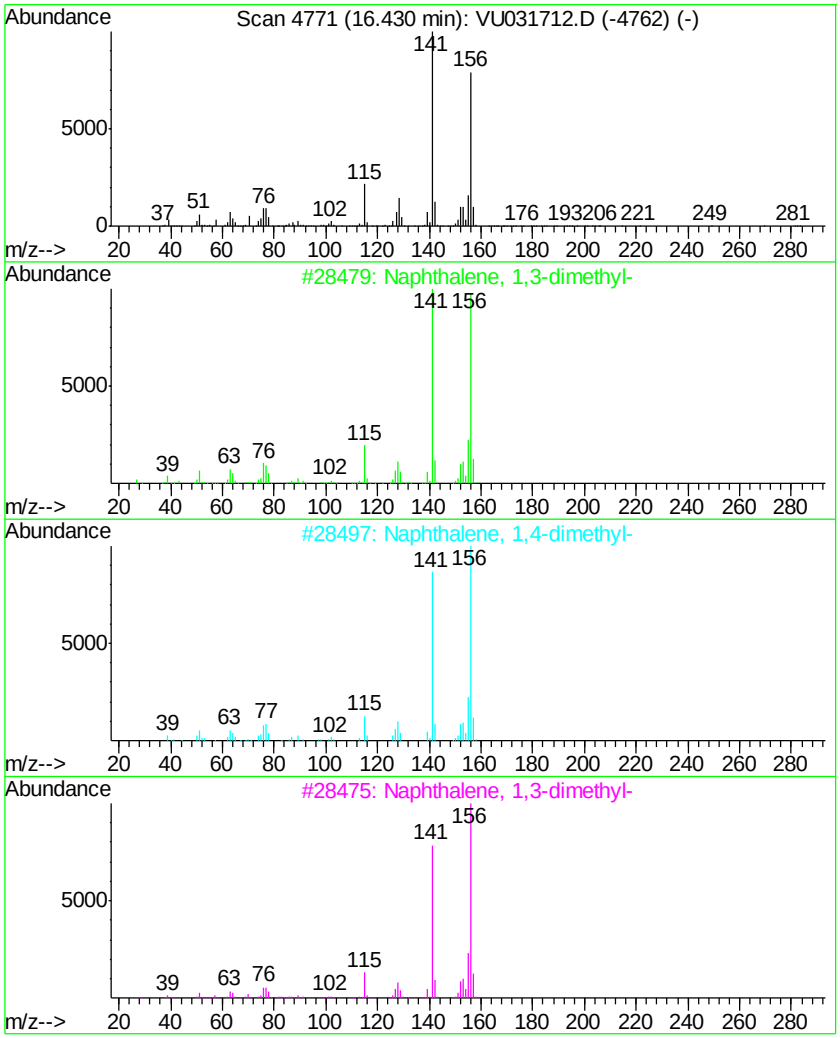
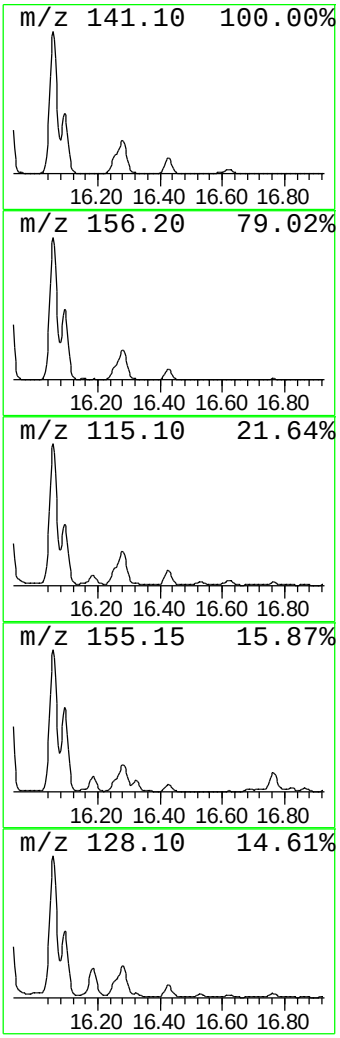
Peak Number 42 Naphthalene, 1,3-dimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	38.40 ug/L	2343320	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050219\
Data File : VU031712.D
Acq On : 02 May 2019 15:08
Operator : JC/SP
Sample : K2603-19 10X
Misc : 5.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ71

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	9.44	12.0	ug/L	729550	2	9.09	3032560	50.0
Thiophene, 2,4-di...	9.54	2.8	ug/L	171497	2	9.09	3032560	50.0
(DEL) Alkane: Str...	9.95	4.4	ug/L	264168	2	9.09	3032560	50.0
Benzene, propyl-	10.58	11.9	ug/L	725217	3	11.48	3051090	50.0
Benzene, 1-ethyl-...	10.68	90.6	ug/L	5526440	3	11.48	3051090	50.0
Benzene, 1,2,3-tr...	10.77	89.6	ug/L	5468640	3	11.48	3051090	50.0
(DEL) Alkane: Str...	10.81	34.2	ug/L	2085820	3	11.48	3051090	50.0
Benzene, 1,2,4-tr...	10.97	22.1	ug/L	1346750	3	11.48	3051090	50.0
Benzene, 1-etheny...	11.21	229.1	ug/L	13980000	3	11.48	3051090	50.0
Benzofuran	11.40	54.1	ug/L	3301320	3	11.48	3051090	50.0
Benzene, 1-propenyl-	11.62	35.5	ug/L	2163250	3	11.48	3051090	50.0
Indane	11.76	51.1	ug/L	3120760	3	11.48	3051090	50.0
Indene	11.98	836.3	ug/L	51029400	3	11.48	3051090	50.0
Benzene, 2-ethyl-...	12.14	15.3	ug/L	934360	3	11.48	3051090	50.0
Benzene, 1-methyl...	12.22	22.4	ug/L	1369080	3	11.48	3051090	50.0
2,4-Dimethylstyrene	12.42	88.3	ug/L	5390050	3	11.48	3051090	50.0
Benzene, 1,2,4,5-...	12.65	28.4	ug/L	1734190	3	11.48	3051090	50.0
Benzene, 1-ethyl-...	12.70	138.4	ug/L	8444540	3	11.48	3051090	50.0
Benzene, 1-etheny...	12.82	66.3	ug/L	4044440	3	11.48	3051090	50.0
1H-Indene, 2,3-di...	12.96	33.1	ug/L	2017270	3	11.48	3051090	50.0
Benzene, 2-butenyl-	13.12	141.7	ug/L	8646600	3	11.48	3051090	50.0
Benzene, (1-methy...	13.18	367.3	ug/L	22410000	3	11.48	3051090	50.0
2-Methylindene	13.29	469.4	ug/L	28646400	3	11.48	3051090	50.0
Benzo[c]thiophene	13.86	95.7	ug/L	5838040	3	11.48	3051090	50.0
(DEL) Alkane: Str...	14.14	59.9	ug/L	3657250	3	11.48	3051090	50.0
1H-Cyclopropa[b]n...	14.33	131.9	ug/L	8049200	3	11.48	3051090	50.0
Naphthalene, 1-me...	14.89	3172.6	ug/L	193597000	3	11.48	3051090	50.0
Benzocycloheptatr...	15.06	1642.5	ug/L	100231000	3	11.48	3051090	50.0
Naphthalene, 1-et...	15.79	183.9	ug/L	11222400	3	11.48	3051090	50.0
Naphthalene, 2,6-...	15.91	665.7	ug/L	40619800	3	11.48	3051090	50.0
Naphthalene, 2,3-...	16.06	454.8	ug/L	27754500	3	11.48	3051090	50.0
Naphthalene, 1,6-...	16.09	198.2	ug/L	12095300	3	11.48	3051090	50.0
Naphthalene, 1,3-...	16.43	38.4	ug/L	2343320	3	11.48	3051090	50.0