LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050219\
Data File : VU031707.D
Acq On : 02 May 2019 13:11
Operator : JC/SP
Sample : K2604-21 50X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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	1.395	88	95	107	rBV	305161	326302	1.63%	0.293%
2	1.678	176	183	197	rBV	274242	350911	1.75%	0.315%
3	2.267	356	366	380	rVB	577353	883159	4.40%	0.793%
4	2.534	444	449	450	rBV4	1506	1333	0.01%	0.001%
5	2.665	487	490	493	rBV3	1149	784	0.00%	0.001%
6	2.701	495	501	508	rVB9	3084	4417	0.02%	0.004%
7	2.881	552	557	559	rBV	5044	4366	0.02%	0.004%
8	2.936	571	574	583	rVB4	3883	5447	0.03%	0.005%
9	2.974	583	586	590	rVV	2509	1695	0.01%	0.002%
10	2.993	590	592	598	rVB5	1711	1497	0.01%	0.001%
11	3.042	605	607	611	rBV	2180	1562	0.01%	0.001%
12	3.064	611	614	620	rVB4	1083	947	0.00%	0.001%
13	3.280	676	681	684	rBV4	1389	1055	0.01%	0.001%
14	3.399	715	718	721	rVB3	1155	786	0.00%	0.001%
15	3.418	721	724	731	rBV4	1362	1256	0.01%	0.001%
16	3.466	736	739	745	rVB4	1659	1032	0.01%	0.001%
17	3.646	793	795	801	rVB4	1515	1241	0.01%	0.001%
18	3.678	801	805	808	rBV2	658	736	0.00%	0.001%
19	3.727	816	820	822	rBV3	1301	880	0.00%	0.001%
20	3.926	880	882	889	rVB4	929	766	0.00%	0.001%
21	3.971	889	896	899	rBV3	912	1124	0.01%	0.001%
22	4.003	903	906	913	rVB5	1367	1731	0.01%	0.002%
23	4.190	951	964	1012	rBV	325873	1102835	5.50%	0.990%
24	4.643	1088	1105	1129	rBV	511173	1232453	6.14%	1.107%
25	4.833	1159	1164	1167	rBV6	1937	1670	0.01%	0.001%
26	4.881	1175	1179	1191	rVB10	2362	4852	0.02%	0.004%
27	4.984	1208	1211	1215	rVV6	1820	1722	0.01%	0.002%
28	5.135	1255	1258	1264	rVV5	1535	1444	0.01%	0.001%
29	5.202	1275	1279	1281	rBV3	1410	944	0.00%	0.001%
30	5.235	1286	1289	1295	rBV4	784	835	0.00%	0.001%
31	5.334	1295	1320	1349	rBV2	1053437	3155998	15.73%	2.834%
32	5.733	1439	1444	1449	rBV7	2043	2232	0.01%	0.002%
33	5.881	1476	1490	1531	rBV	1191156	2465178	12.29%	2.214%
34	6.180	1570	1583	1600	rBV	15575	37483	0.19%	0.034%

LSC Area Percent Report

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Acq On : 02 May 2019 13:11
Operator : JC/SP
Sample : K2604-21 50X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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	6.328	1612	1629	1660	rBV	724109	1508504	7.52%	1.355%
36	6.595	1708	1712	1718	rVB7	2171	2772	0.01%	0.002%
37	6.630	1718	1723	1724	rBV4	1581	1304	0.01%	0.001%
38	6.762	1760	1764	1767	rVB2	1106	872	0.00%	0.001%
39	6.784	1767	1771	1773	rBV3	1172	954	0.00%	0.001%
40	6.845	1788	1790	1793	rBV3	1158	795	0.00%	0.001%
41	6.884	1796	1802	1804	rBV5	2660	2645	0.01%	0.002%
42	6.913	1809	1811	1816	rVV5	2736	2277	0.01%	0.002%
43	6.942	1816	1820	1825	rVV5	1438	1371	0.01%	0.001%
44	7.006	1837	1840	1848	rVB6	1337	1068	0.01%	0.001%
45	7.225	1896	1908	1940	rBV	397696	755385	3.76%	0.678%
46	7.402	1959	1963	1965	rBV3	1240	883	0.00%	0.001%
47	7.469	1981	1984	1988	rBV4	1089	1109	0.01%	0.001%
48	7.562	1995	2013	2032	rBV	1275557	2344637	11.68%	2.106%
49	7.849	2087	2102	2125	rBV	262941	498094	2.48%	0.447%
50	8.032	2157	2159	2166	rVB8	2333	1858	0.01%	0.002%
51	8.061	2166	2168	2175	rVB7	1656	1115	0.01%	0.001%
52	8.228	2209	2220	2233	rBV6	23708	45413	0.23%	0.041%
53	8.312	2235	2246	2274	rBV	1320581	2446816	12.19%	2.197%
54	8.752	2379	2383	2386	rBV4	2609	2273	0.01%	0.002%
55	9.086	2475	2487	2526	rVB	1726666	2979264	14.85%	2.675%
56	9.373	2571	2576	2592	rVB3	25634	52129	0.26%	0.047%
57	9.797	2695	2708	2719	rBV9	16481	47110	0.23%	0.042%
58	9.948	2751	2755	2763	rVB7	7525	10347	0.05%	0.009%
59	10.427	2892	2904	2918	rBV	1061106	1736870	8.66%	1.560%
60	10.678	2973	2982	2999	rBV	113741	265780	1.32%	0.239%
61	10.771	3003	3011	3033	rVB2	118461	212373	1.06%	0.191%
62	10.971	3066	3073	3079	rBV	37759	63146	0.31%	0.057%
63	11.144	3116	3127	3139	rVB	301896	481162	2.40%	0.432%
64	11.215	3140	3149	3158	rBV	179036	278176	1.39%	0.250%
65	11.266	3160	3165	3178	rVB2	48589	70733	0.35%	0.064%
66	11.479	3221	3231	3251	rBV	1749160	2787340	13.89%	2.503%
67	11.569	3252	3259	3269	rVB	83461	125776	0.63%	0.113%
68	11.855	3338	3348	3366	rVB	1435091	2424197	12.08%	2.177%
69	11.980	3380	3387	3396	rVB2	82667	115480	0.58%	0.104%
70	12.147	3432	3439	3442	rBV2	47849	68310	0.34%	0.061%
71	12.221	3456	3462	3465	rBV	68200	88137	0.44%	0.079%

LSC Area Percent Report

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Operator : JC/SP
Sample : K2604-21 50X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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	12.305	3480	3488	3498	rBV2	74488	137715	0.69%	0.124%
73	12.424	3516	3525	3535	rVB	381892	583563	2.91%	0.524%
74	12.482	3537	3543	3557	rVB3	105231	165601	0.83%	0.149%
75	12.700	3603	3611	3624	rBV2	210889	436474	2.18%	0.392%
76	12.819	3641	3648	3661	rBV	251046	423040	2.11%	0.380%
77	13.115	3732	3740	3750	rBV2	269781	415193	2.07%	0.373%
78	13.183	3752	3761	3771	rVB	540542	835937	4.17%	0.751%
79	13.286	3783	3793	3809	rVB2	507980	914281	4.56%	0.821%
80	13.736	3921	3933	3947	rBV	10990027	17258717	86.01%	15.499%
81	14.138	4052	4058	4064	rBV3	91053	130886	0.65%	0.118%
82	14.334	4111	4119	4128	rBV2	218711	371081	1.85%	0.333%
83	14.581	4190	4196	4211	rVB3	91961	144772	0.72%	0.130%
84	14.726	4236	4241	4258	rVB	158878	280176	1.40%	0.252%
85	14.871	4275	4286	4311	rVB	12944504	20066309	100.00%	18.020%
86	15.054	4332	4343	4363	rBV	7600491	11984472	59.72%	10.762%
87	15.601	4503	4513	4525	rBV	1724635	2646062	13.19%	2.376%
88	15.794	4566	4573	4580	rBV	484917	666254	3.32%	0.598%
89	15.909	4598	4609	4625	rBV	2605482	4486753	22.36%	4.029%
90	16.054	4644	4654	4661	rBV	3197297	5070852	25.27%	4.554%
91	16.186	4685	4695	4707	rBV	1543771	2452849	12.22%	2.203%
92	16.279	4708	4724	4747	rVB	956032	2403333	11.98%	2.158%
93	16.427	4762	4770	4785	rVB	558442	855215	4.26%	0.768%
94	16.520	4788	4799	4817	rVB2	2906595	5273565	26.28%	4.736%
95	16.630	4827	4833	4844	rVB3	330567	503336	2.51%	0.452%
96	16.732	4857	4865	4871	rBV	354665	569698	2.84%	0.512%
97	17.015	4946	4953	4972	rVB4	460351	1017542	5.07%	0.914%
98	17.160	4990	4998	5009	rVB2	594915	959989	4.78%	0.862%
99	17.224	5010	5018	5028	rVB	373288	582131	2.90%	0.523%
100	17.523	5104	5111	5126	rVB3	373868	692384	3.45%	0.622%

Sum of corrected areas: 111355328

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050219\
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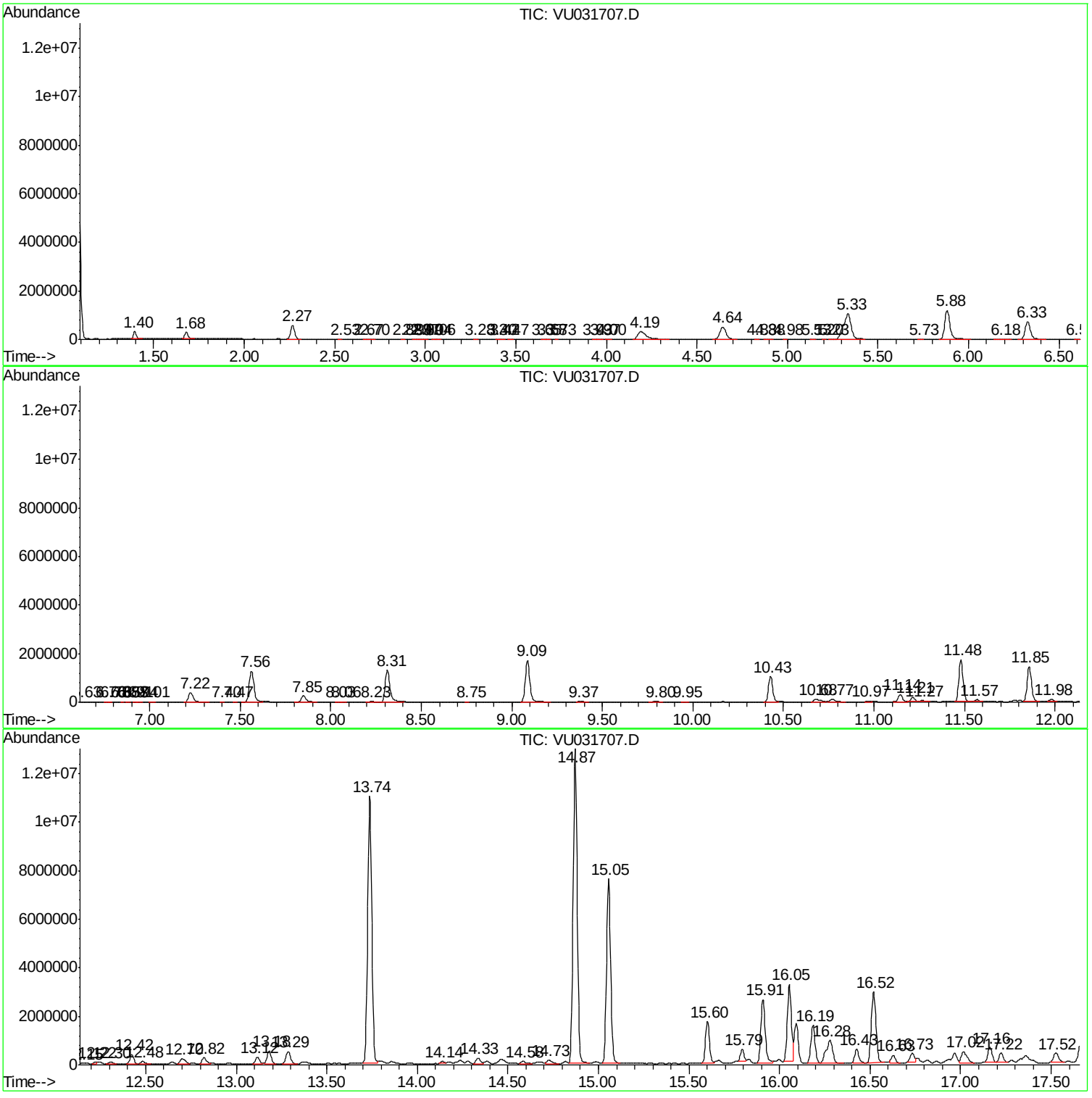
Acq On : 02 May 2019 13:11
Operator : JC/SP
Sample : K2604-21 50X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031707.D
Acq On : 02 May 2019 13:11
Operator : JC/SP
Sample : K2604-21 50X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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

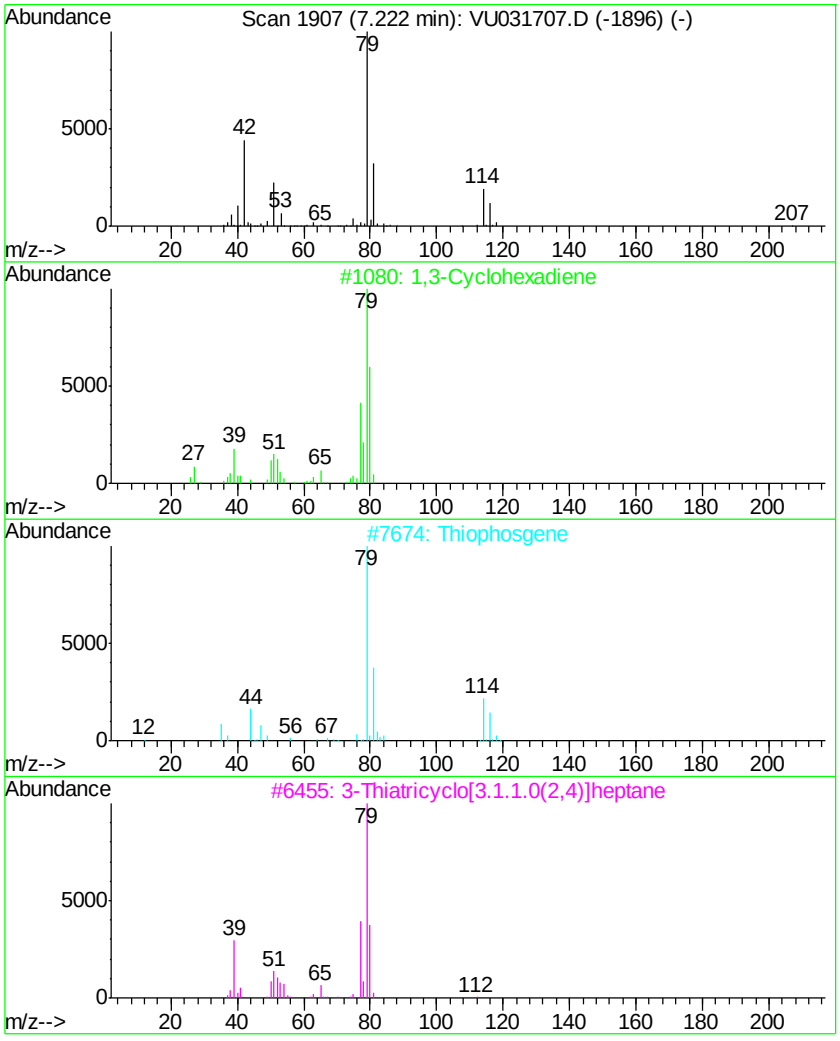
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

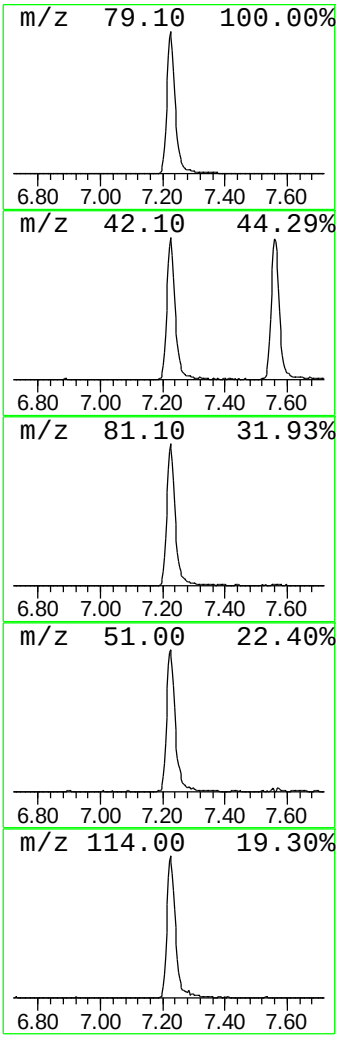
****

Peak Number 1 unknown-01 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.22	15.32 ug/L	755385	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclohexadiene	80	C6H8	000592-57-4	25
2	Thiophosgene	114	CCl2S	000463-71-8	16
3	3-Thiatricyclo[3.1.1.0(2,4)]heptane	112	C6H8S	1000221-37-0	9
4	2-Propanol, 1,3-dichloro-	128	C3H6Cl2O	000096-23-1	9
5	.alpha.,.alpha.-Dichloromethyl m...	114	C2H4Cl2O	004885-02-3	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031707.D
Acq On : 02 May 2019 13:11
Operator : JC/SP
Sample : K2604-21 50X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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

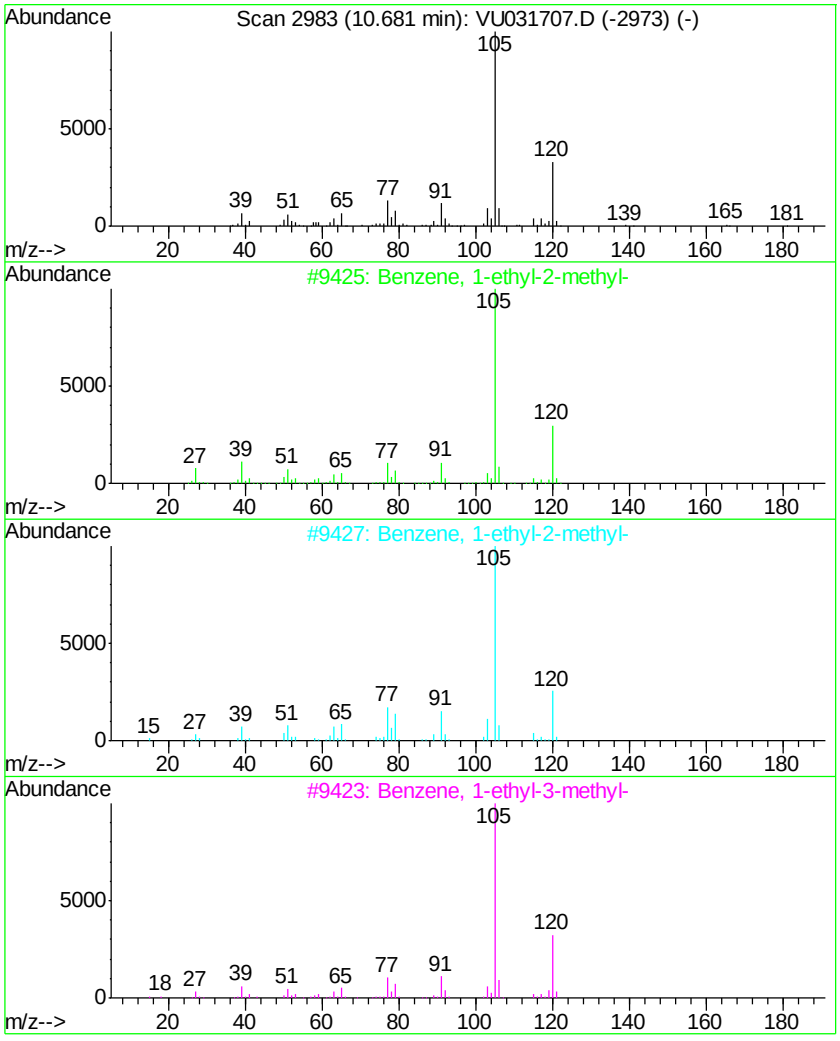
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

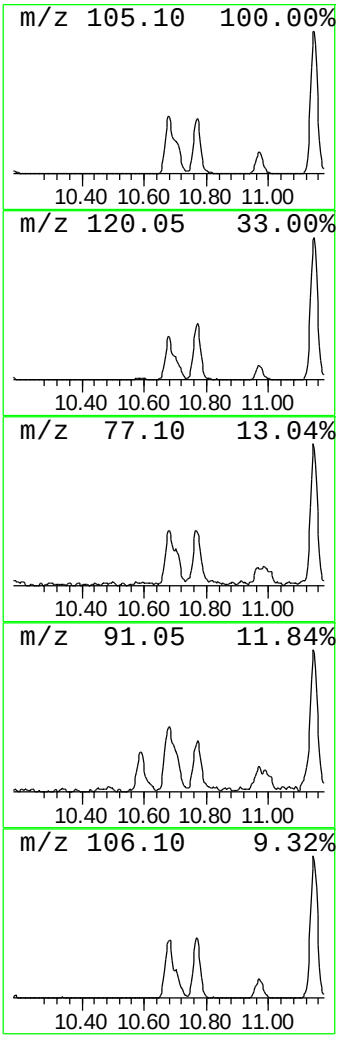
****

Peak Number 2 Benzene, 1-ethyl-2-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	4.77 ug/L	265780	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	94
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031707.D
Acq On : 02 May 2019 13:11
Operator : JC/SP
Sample : K2604-21 50X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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

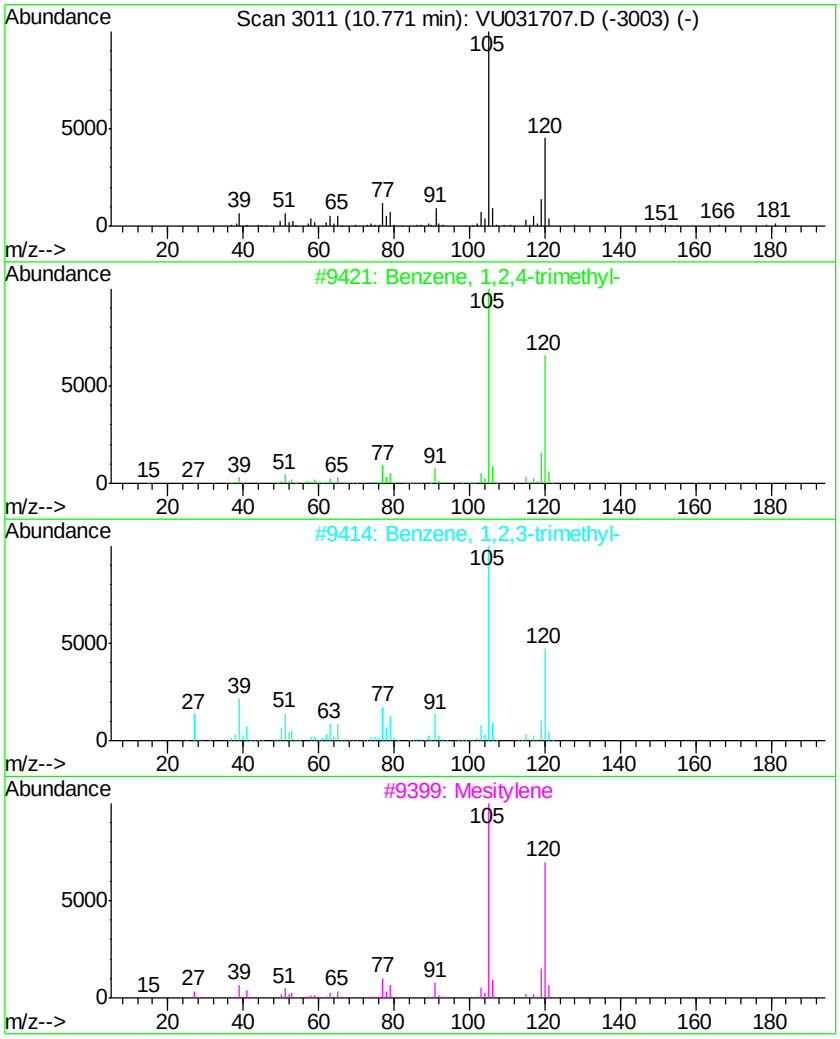
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

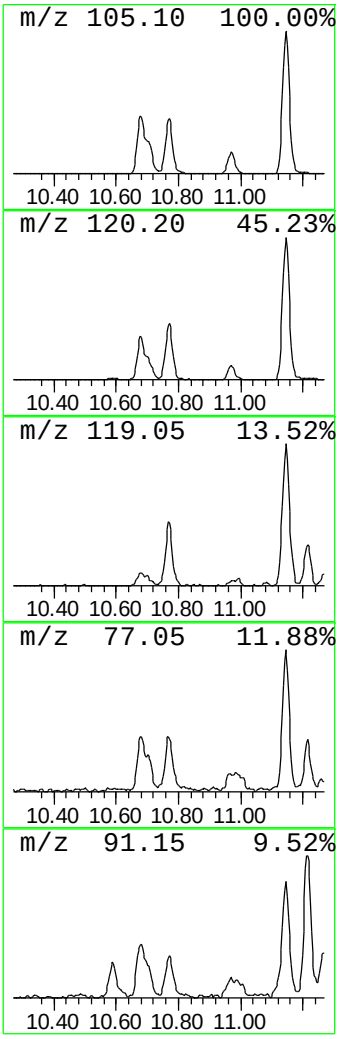
****

Peak Number 3 Benzene, 1,2,4-trimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	3.81 ug/L	212373	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, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3	Mesitylene	120	C9H12	000108-67-8	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





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Sample : K2604-21 50X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
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Instrument : MSVOA_U
ClientSampleId : GAJ92

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

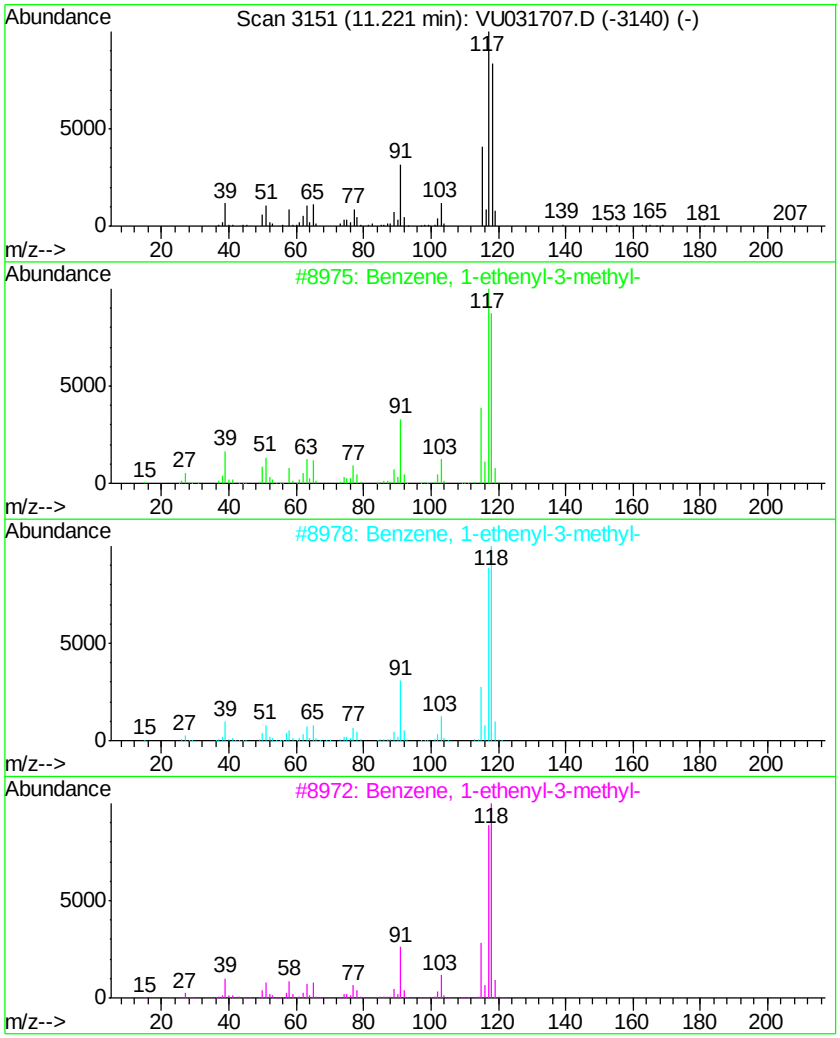
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

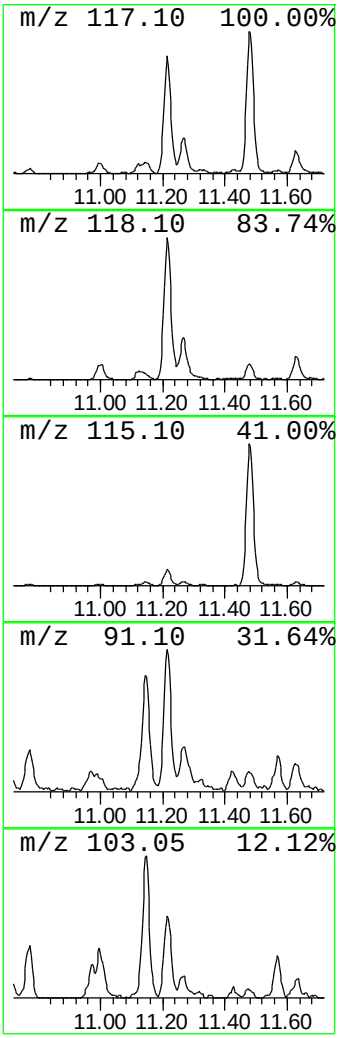
****

Peak Number 5 Benzene, 1-ethenyl-3-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	4.99 ug/L	278176	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, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031707.D
Acq On : 02 May 2019 13:11
Operator : JC/SP
Sample : K2604-21 50X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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

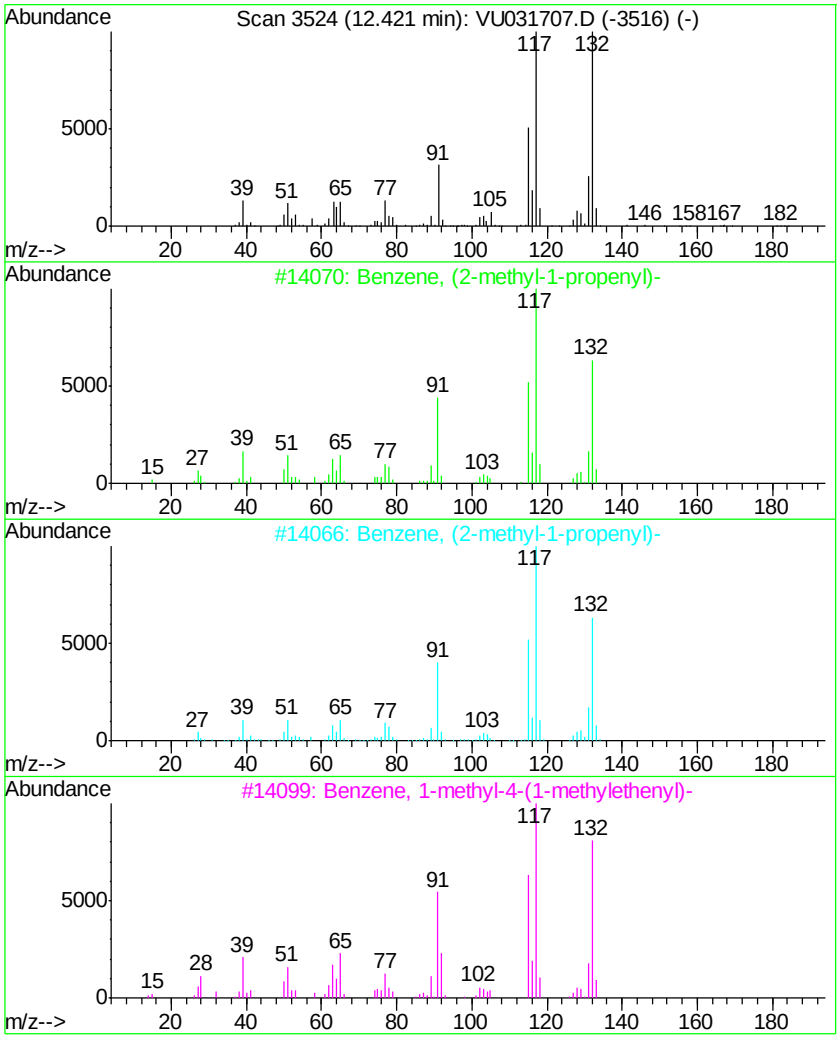
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

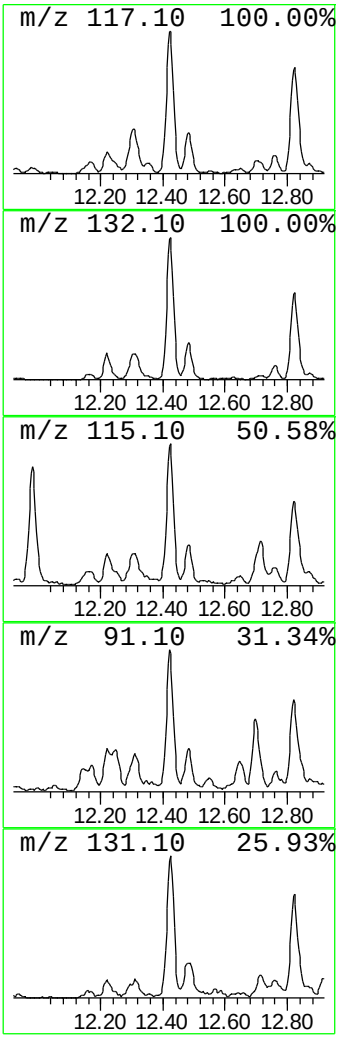
****

Peak Number 6 Benzene, (2-methyl-1-propen... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	10.47 ug/L	583563	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	95
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	95
3	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	94
4	o-Isopropenyltoluene	132	C10H12	007399-49-7	94
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031707.D
Acq On : 02 May 2019 13:11
Operator : JC/SP
Sample : K2604-21 50X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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

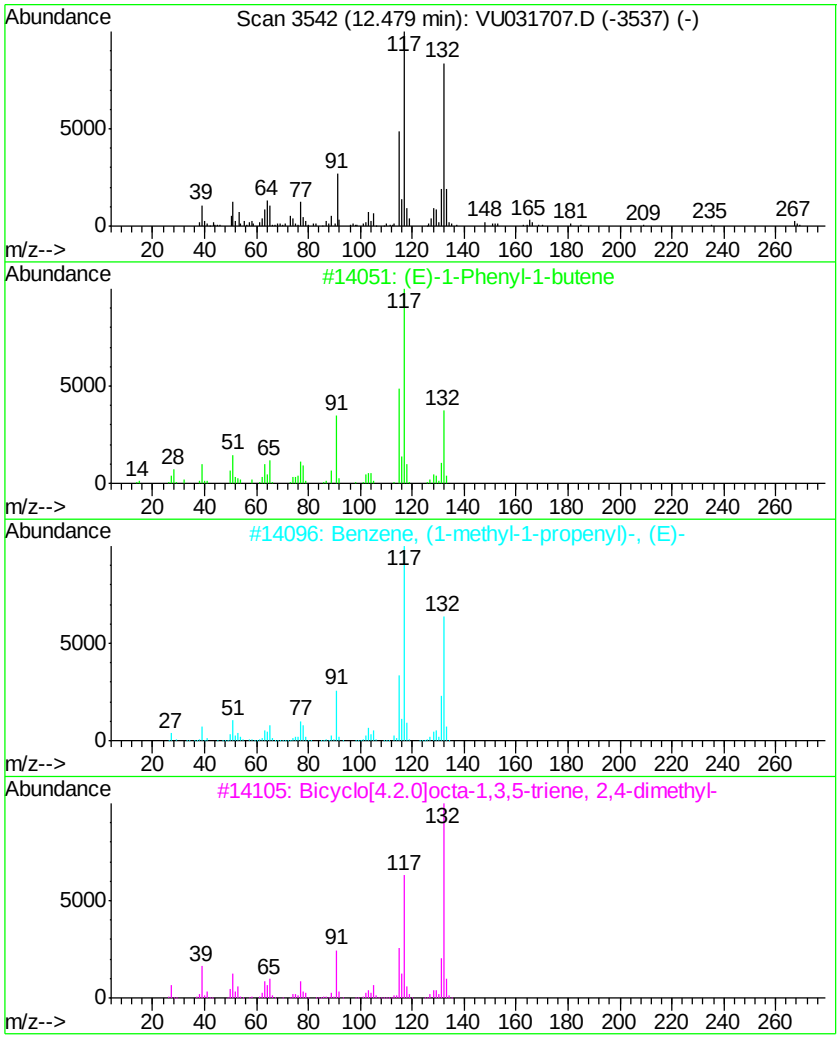
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

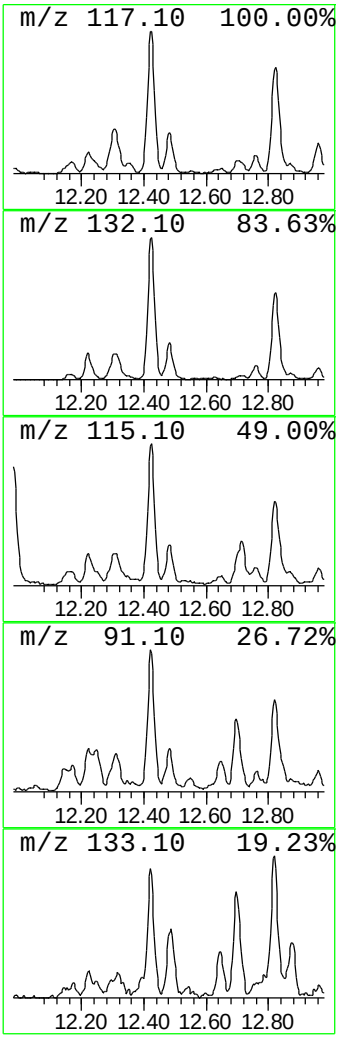
****

Peak Number 7 (E)-1-Phenyl-1-butene Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	2.97 ug/L	165601	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	93
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	91
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	90
4	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	90
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031707.D
Acq On : 02 May 2019 13:11
Operator : JC/SP
Sample : K2604-21 50X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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

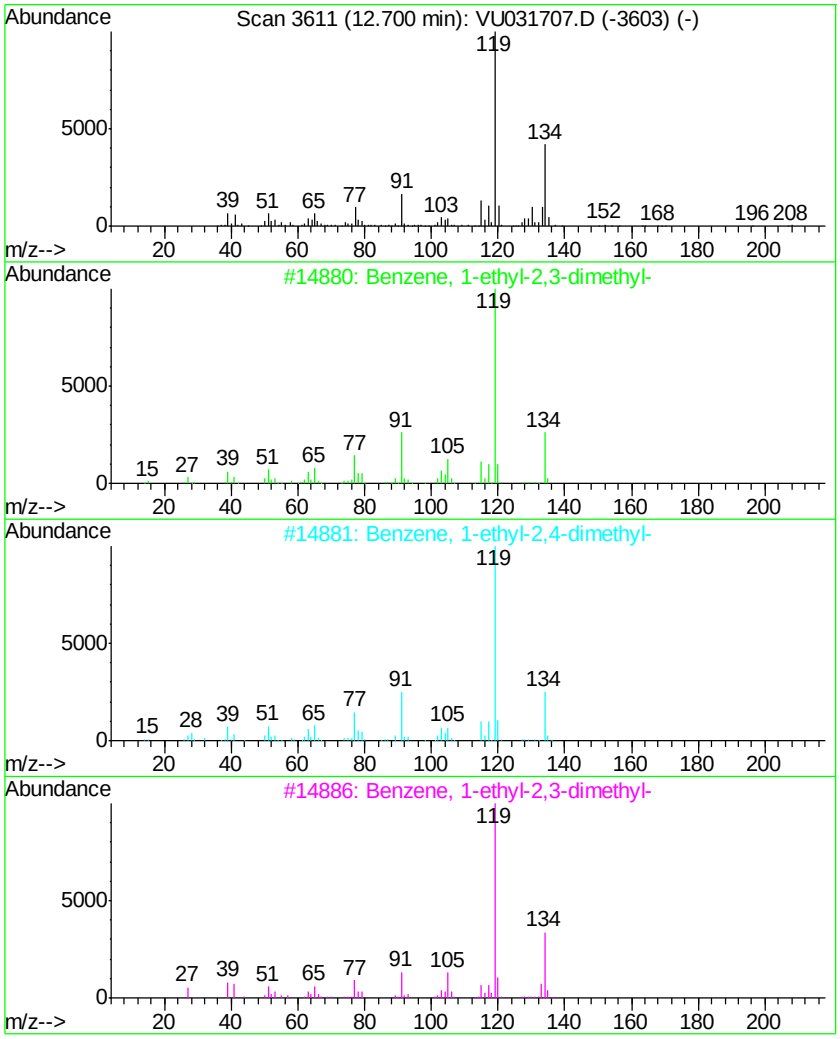
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

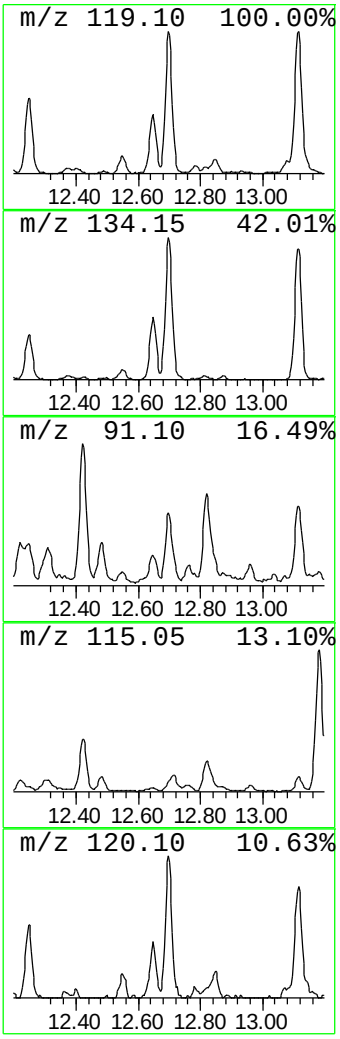
****

Peak Number 8 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	7.83 ug/L	436474	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	94
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	93
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	93





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031707.D
Acq On : 02 May 2019 13:11
Operator : JC/SP
Sample : K2604-21 50X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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

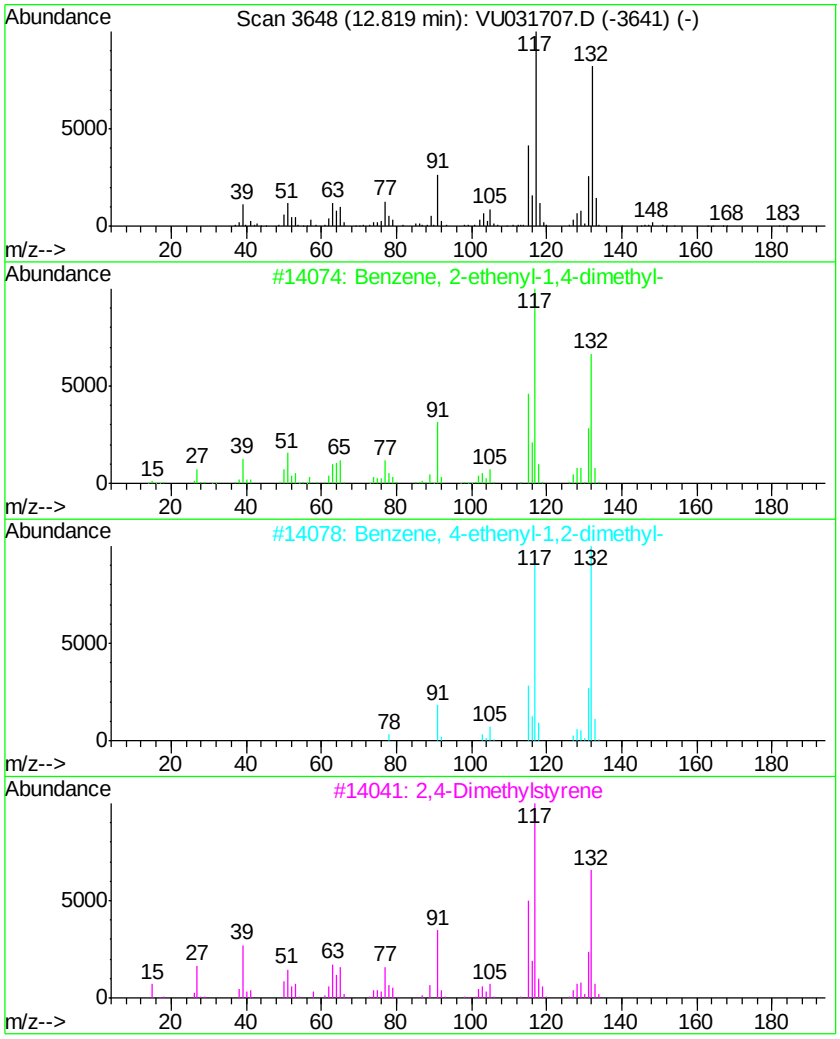
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

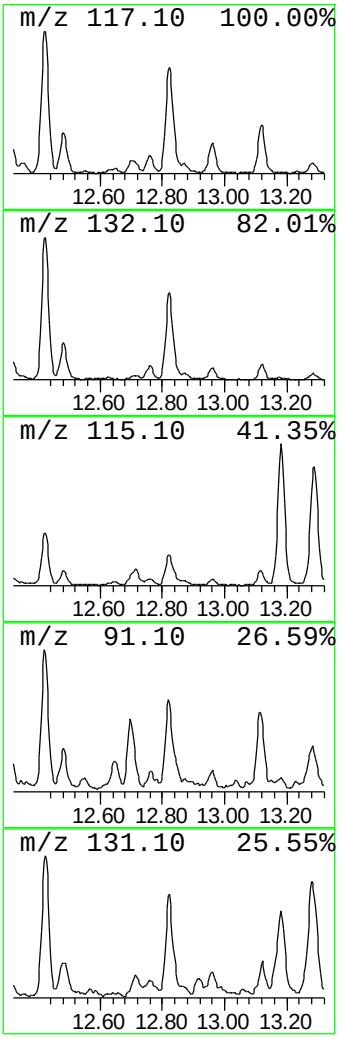
****

Peak Number 9 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.82	7.59 ug/L	423040	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	97
2	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	97
3	2,4-Dimethylstyrene	132	C10H12	002234-20-0	96
4	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	96
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	96





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031707.D
Acq On : 02 May 2019 13:11
Operator : JC/SP
Sample : K2604-21 50X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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

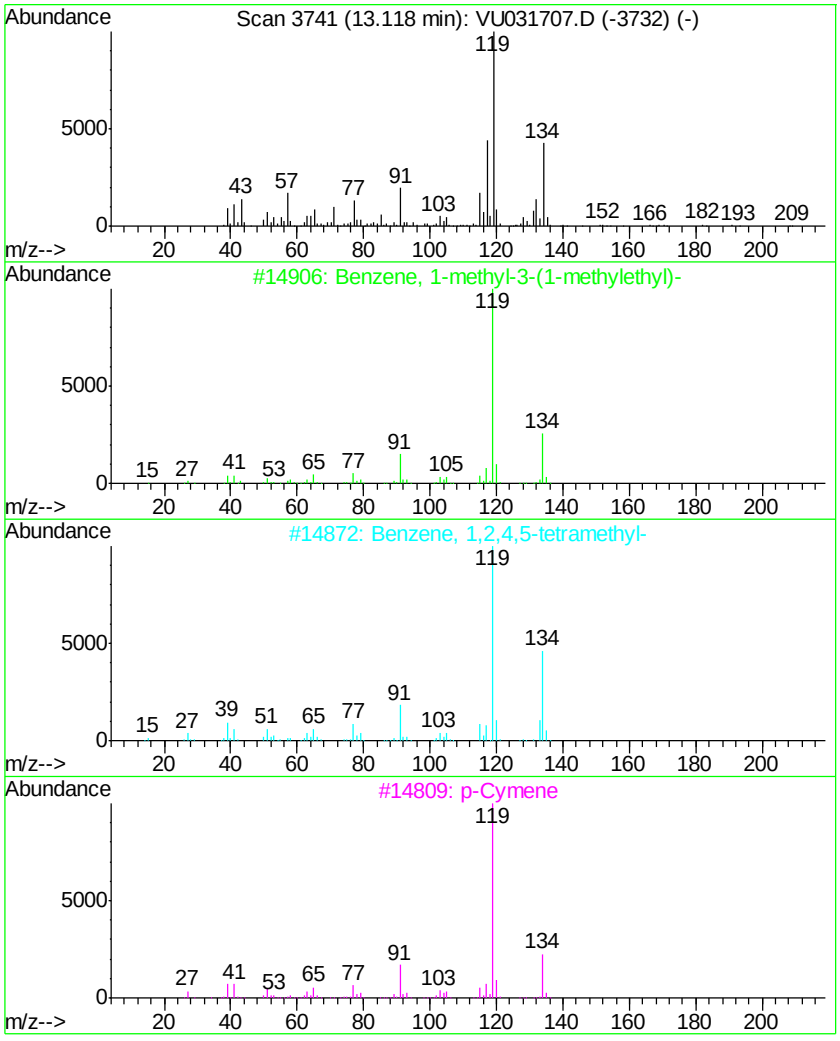
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

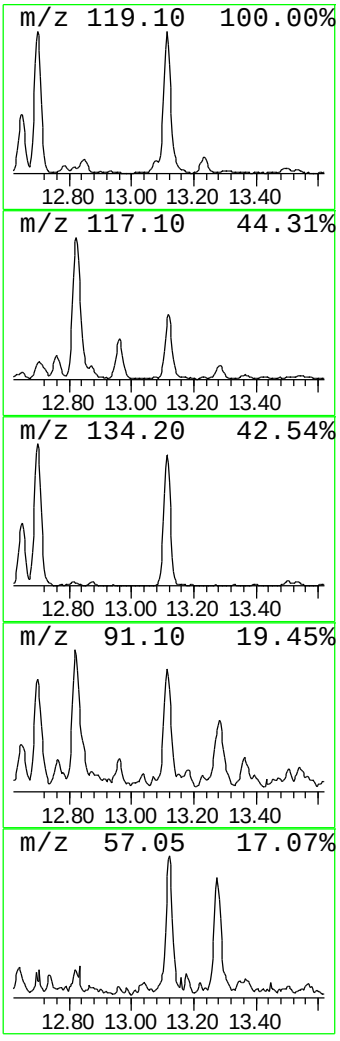
****

Peak Number 10 Benzene, 1-methyl-3-(1-meth... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	7.45 ug/L	415193	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	81
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	76
3	p-Cymene	134	C10H14	000099-87-6	76
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	76
5	o-Cymene	134	C10H14	000527-84-4	76





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031707.D
Acq On : 02 May 2019 13:11
Operator : JC/SP
Sample : K2604-21 50X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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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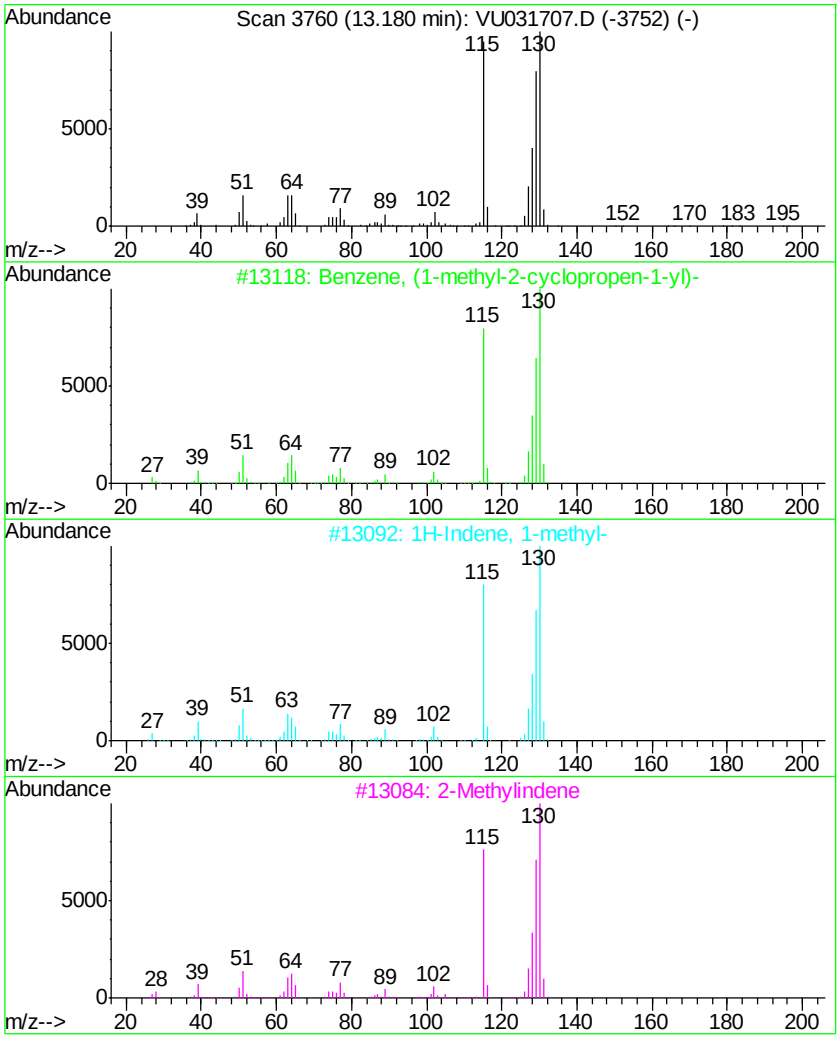
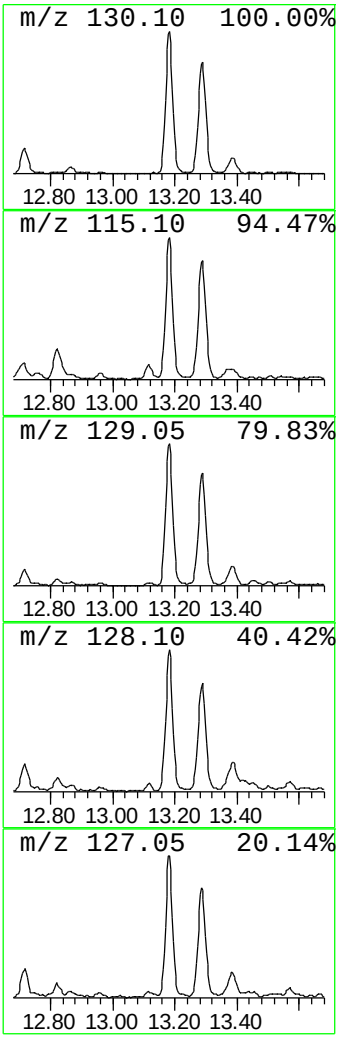
Peak Number 11 Benzene, (1-methyl-2-cyclop... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	15.00 ug/L	835937	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	96
2	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
3	2-Methylindene	130	C10H10	002177-47-1	96
4	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	93
5	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	92





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Data File : VU031707.D
Acq On : 02 May 2019 13:11
Operator : JC/SP
Sample : K2604-21 50X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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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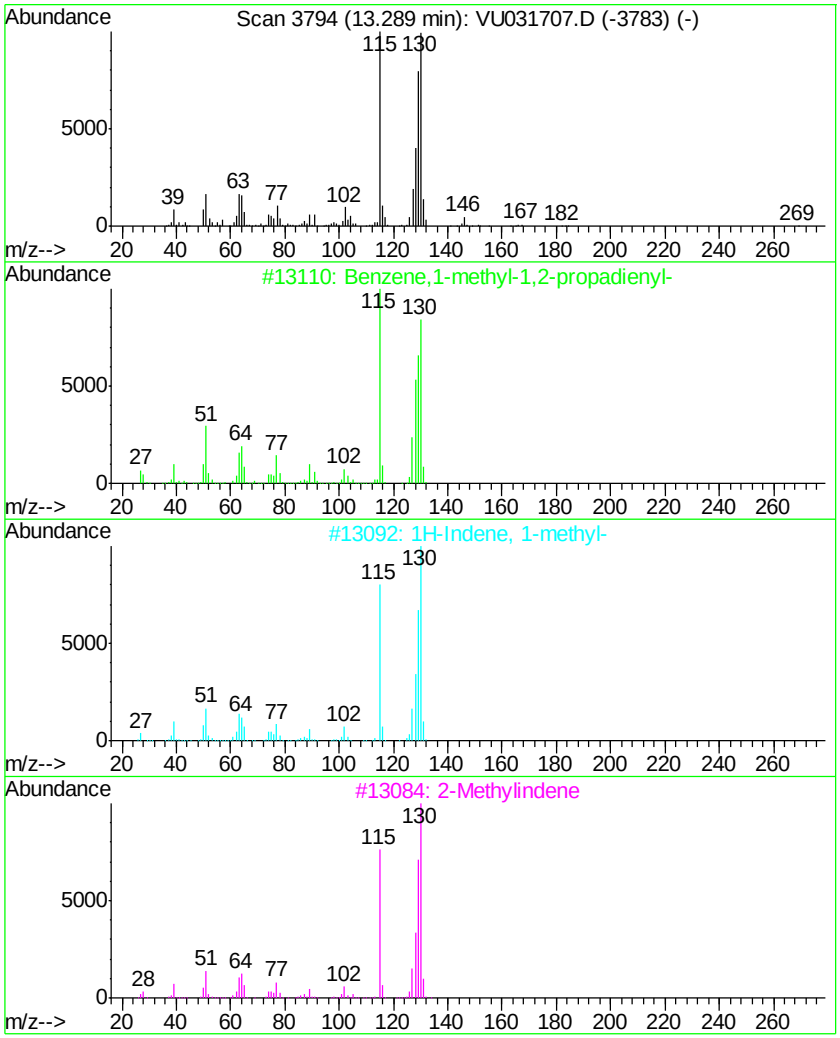
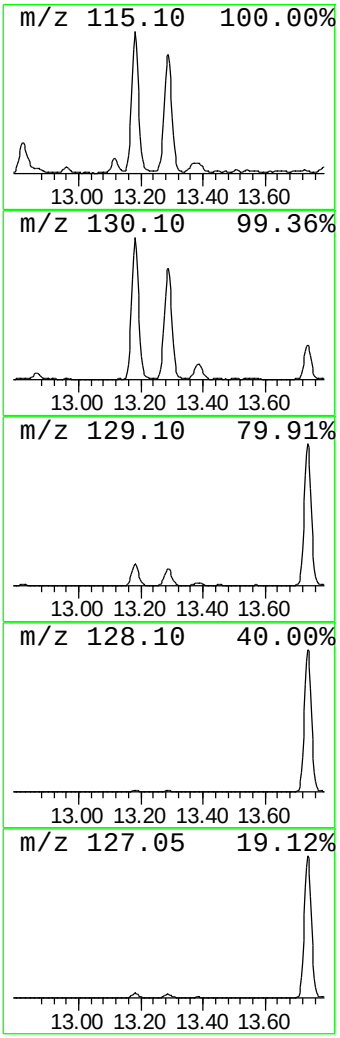
Peak Number 12 Benzene,1-methyl-1,2-propad... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	16.40 ug/L	914281	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	96
2	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
3	2-Methylindene	130	C10H10	002177-47-1	95
4	Benzene, 1-butynyl-	130	C10H10	000622-76-4	95
5	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	95





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Data File : VU031707.D
Acq On : 02 May 2019 13:11
Operator : JC/SP
Sample : K2604-21 50X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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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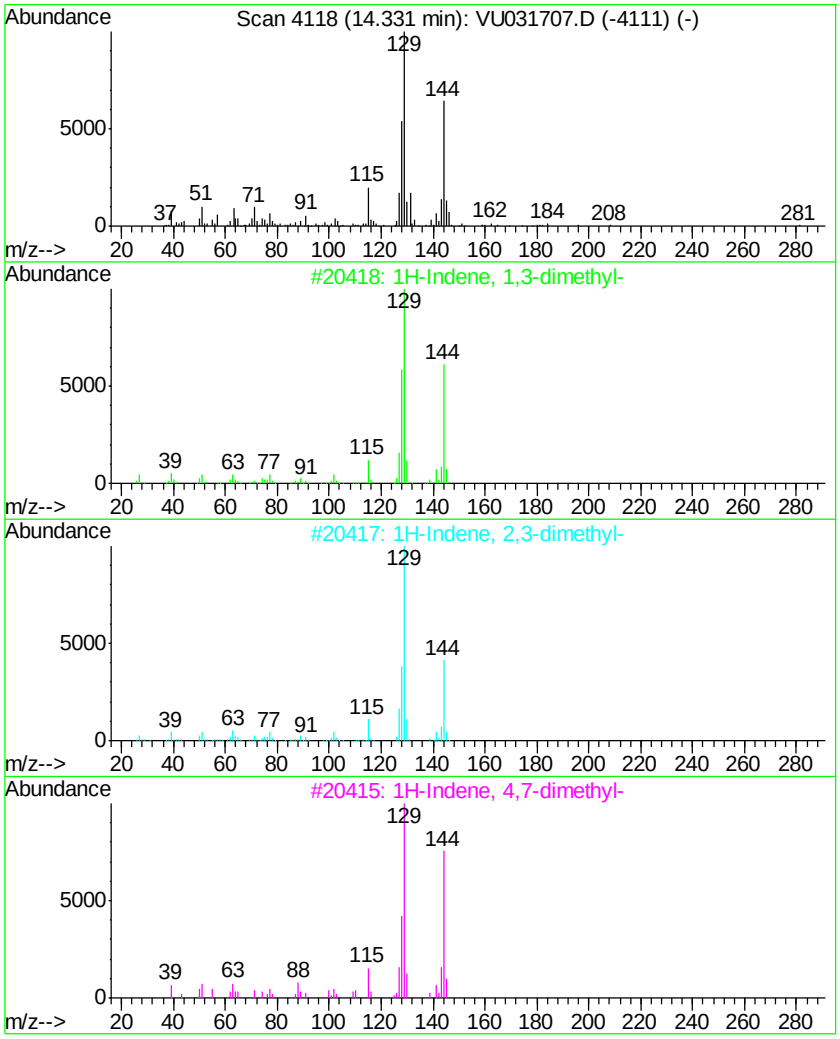
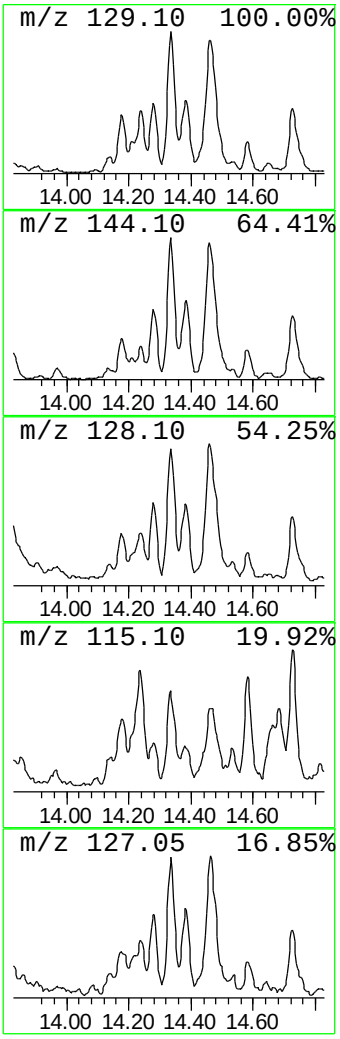
Peak Number 14 1H-Indene, 1,3-dimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	6.66 ug/L	371081	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	94
2	1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	93
3	1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	91
4	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	87
5	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031707.D
Acq On : 02 May 2019 13:11
Operator : JC/SP
Sample : K2604-21 50X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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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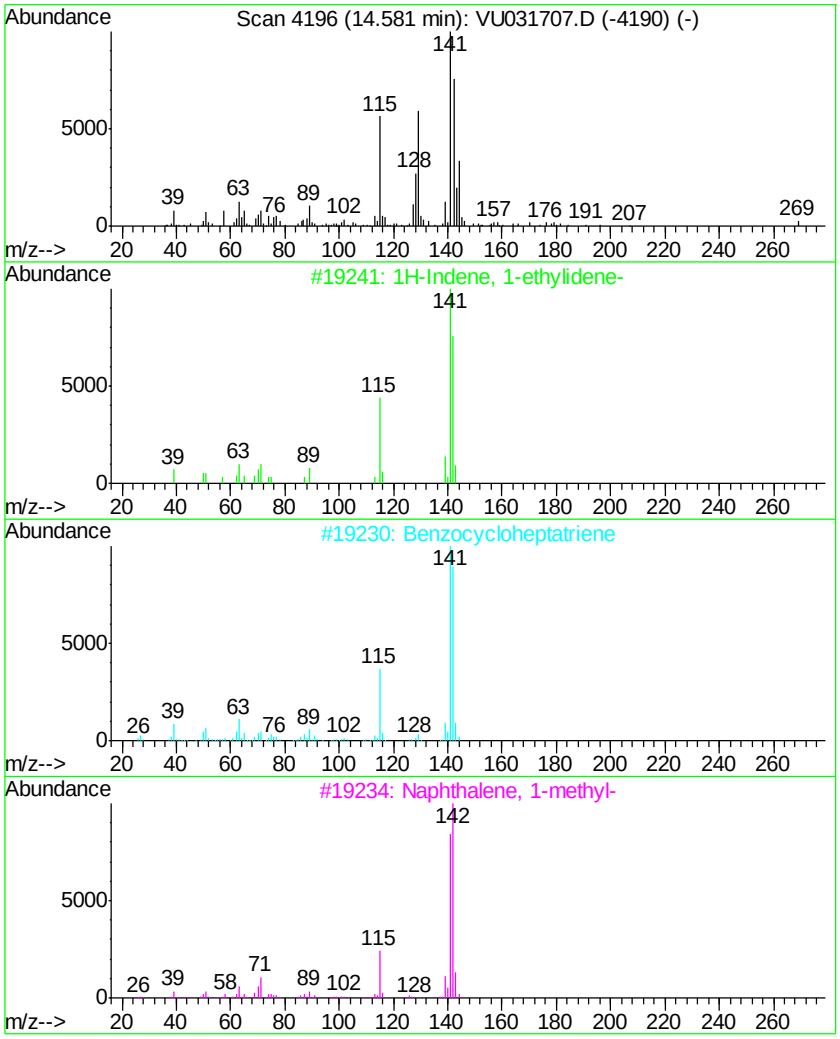
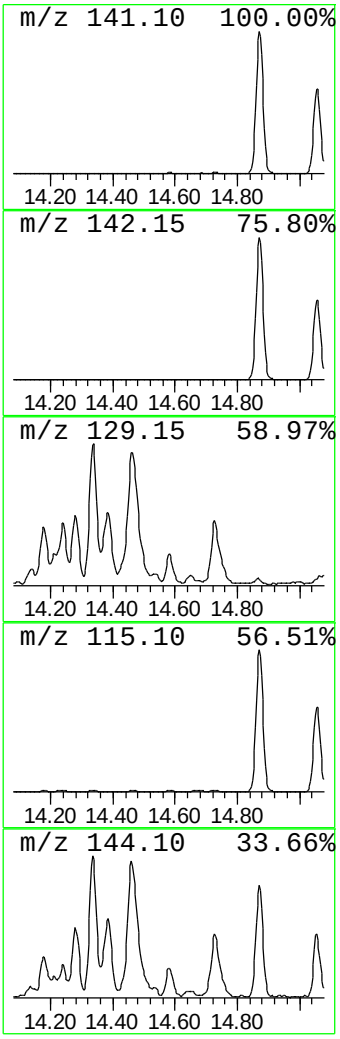
Peak Number 15 1H-Indene, 1-ethylidene- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.58	2.60 ug/L	144772	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	83
2	Benzocycloheptatriene	142	C11H10	000264-09-5	70
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	64
4	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	64
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031707.D
Acq On : 02 May 2019 13:11
Operator : JC/SP
Sample : K2604-21 50X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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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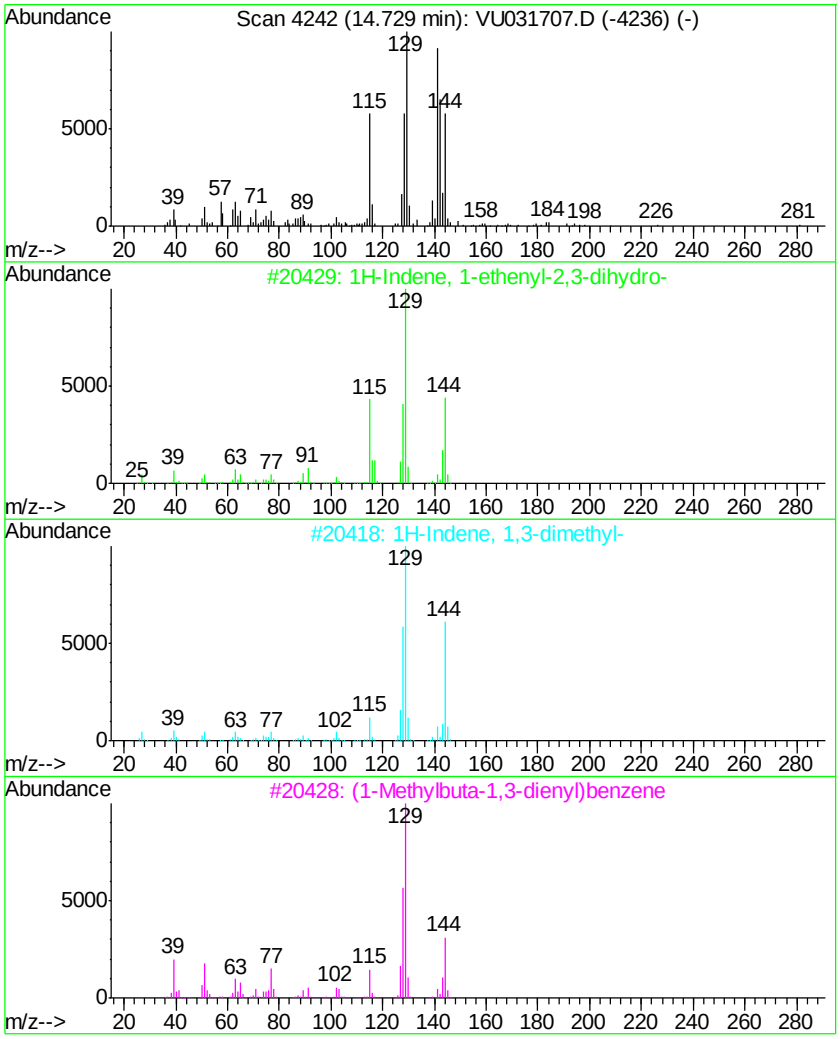
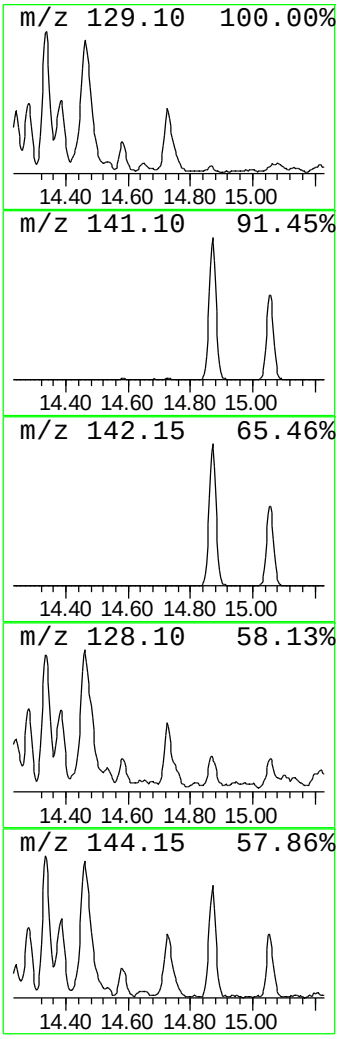
Peak Number 16 1H-Indene, 1-ethenyl-2,3-di... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	5.03 ug/L	280176	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-ethenyl-2,3-dihydro-	144	C11H12	051783-46-1	64
2	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	55
3	(1-Methylbuta-1,3-dienyl)benzene	144	C11H12	054758-36-0	55
4	Benzene, 1-cyclopenten-1-yl-	144	C11H12	000825-54-7	53
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050219\
Data File : VU031707.D
Acq On : 02 May 2019 13:11
Operator : JC/SP
Sample : K2604-21 50X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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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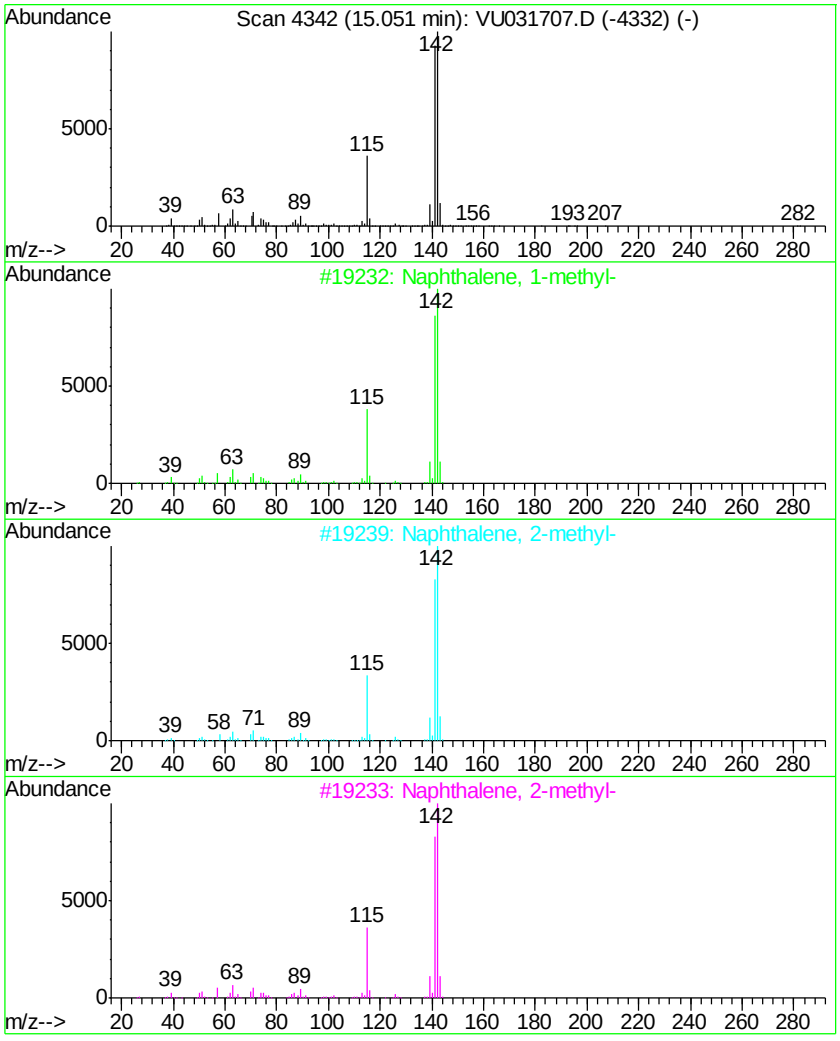
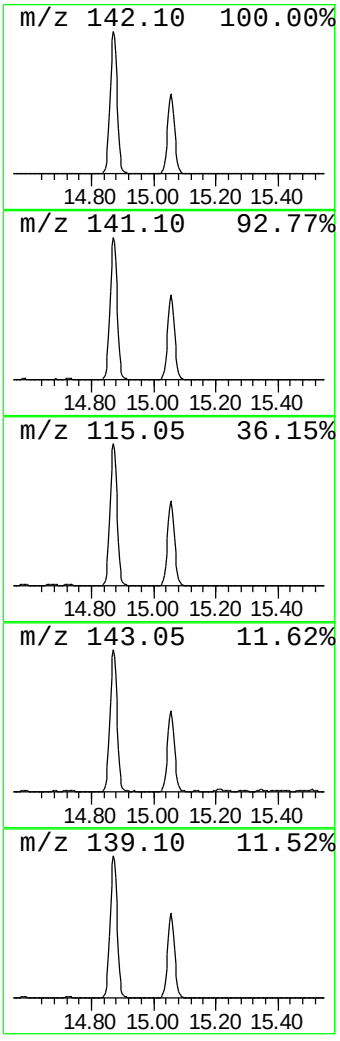
Peak Number 18 Naphthalene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.05	214.98 ug/L	11984500	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050219\
Data File : VU031707.D
Acq On : 02 May 2019 13:11
Operator : JC/SP
Sample : K2604-21 50X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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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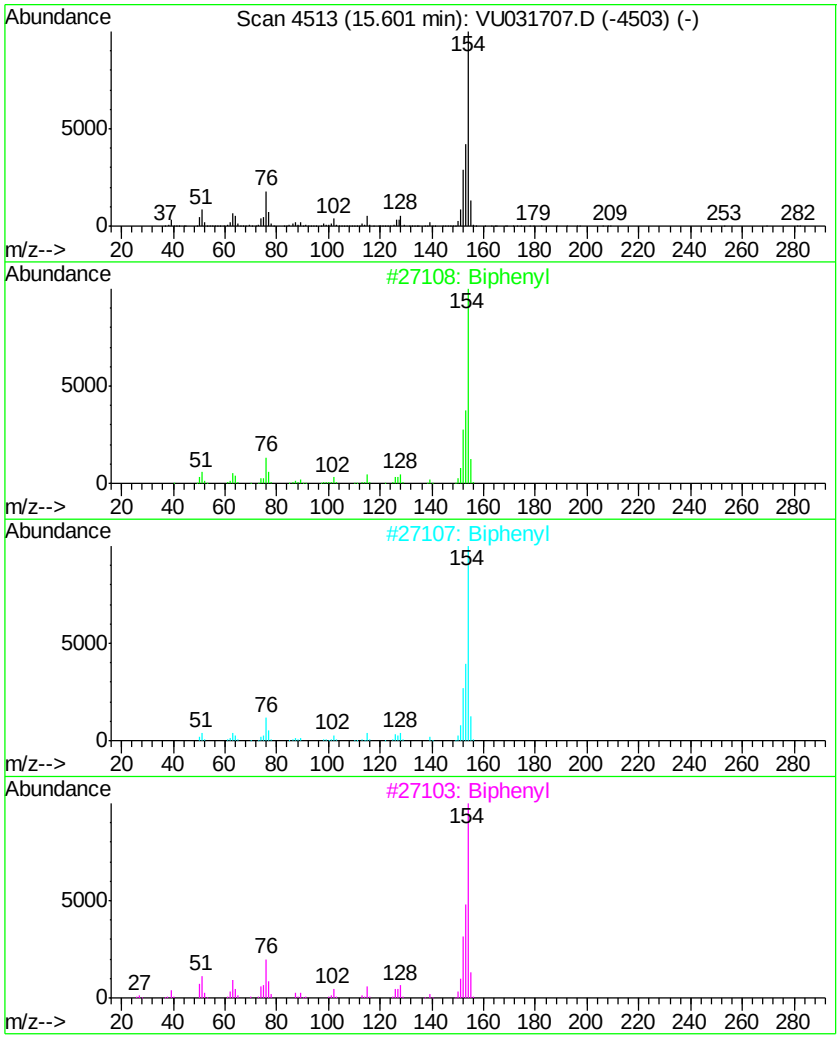
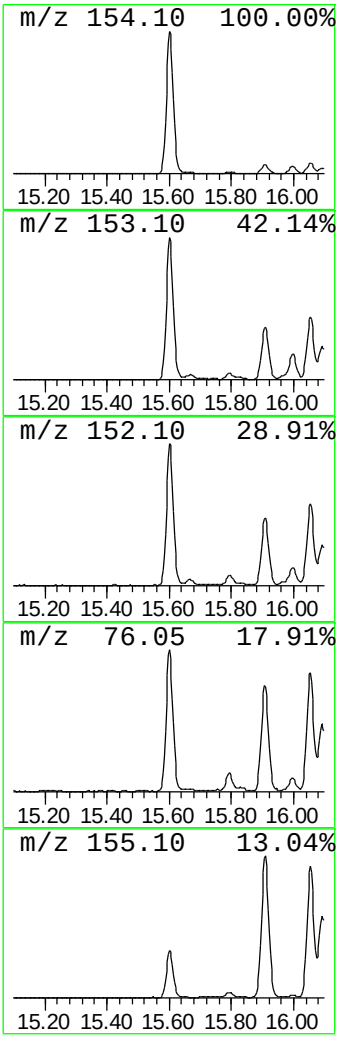
Peak Number 19 Biphenyl Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.60	47.47 ug/L	2646060	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenyl	154	C12H10	000092-52-4	95
2	Biphenyl	154	C12H10	000092-52-4	95
3	Biphenyl	154	C12H10	000092-52-4	95
4	Biphenyl	154	C12H10	000092-52-4	93
5	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031707.D
Acq On : 02 May 2019 13:11
Operator : JC/SP
Sample : K2604-21 50X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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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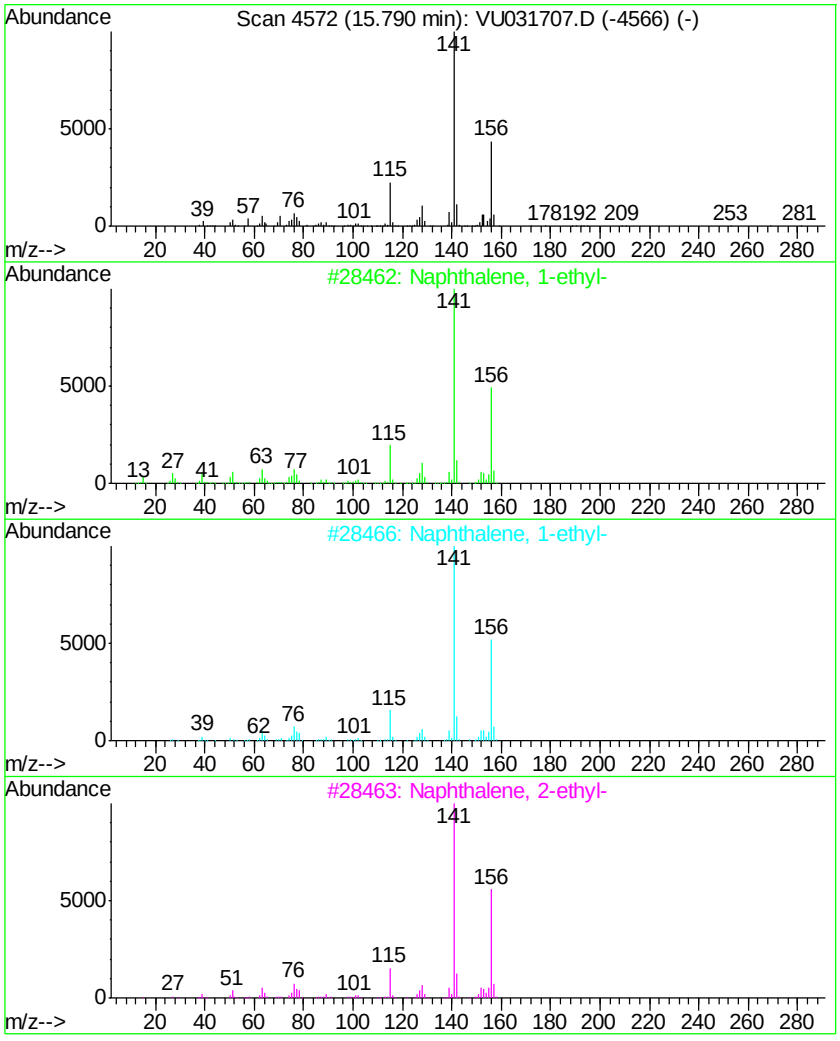
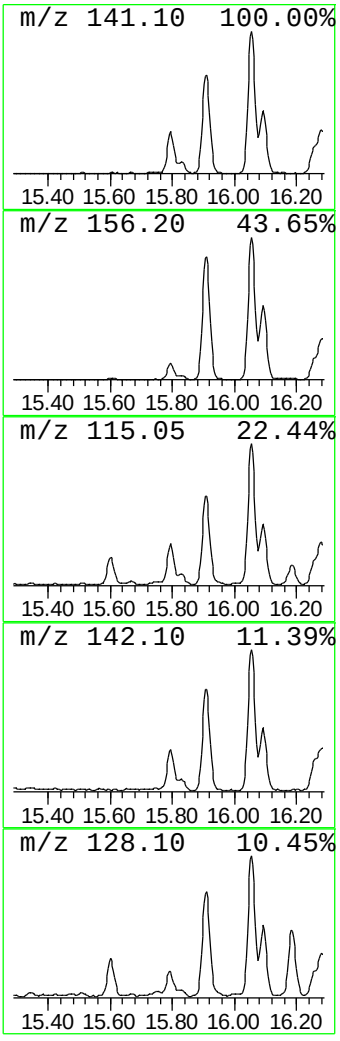
Peak Number 20 Naphthalene, 1-ethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	11.95 ug/L	666254	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	95
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031707.D
Acq On : 02 May 2019 13:11
Operator : JC/SP
Sample : K2604-21 50X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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

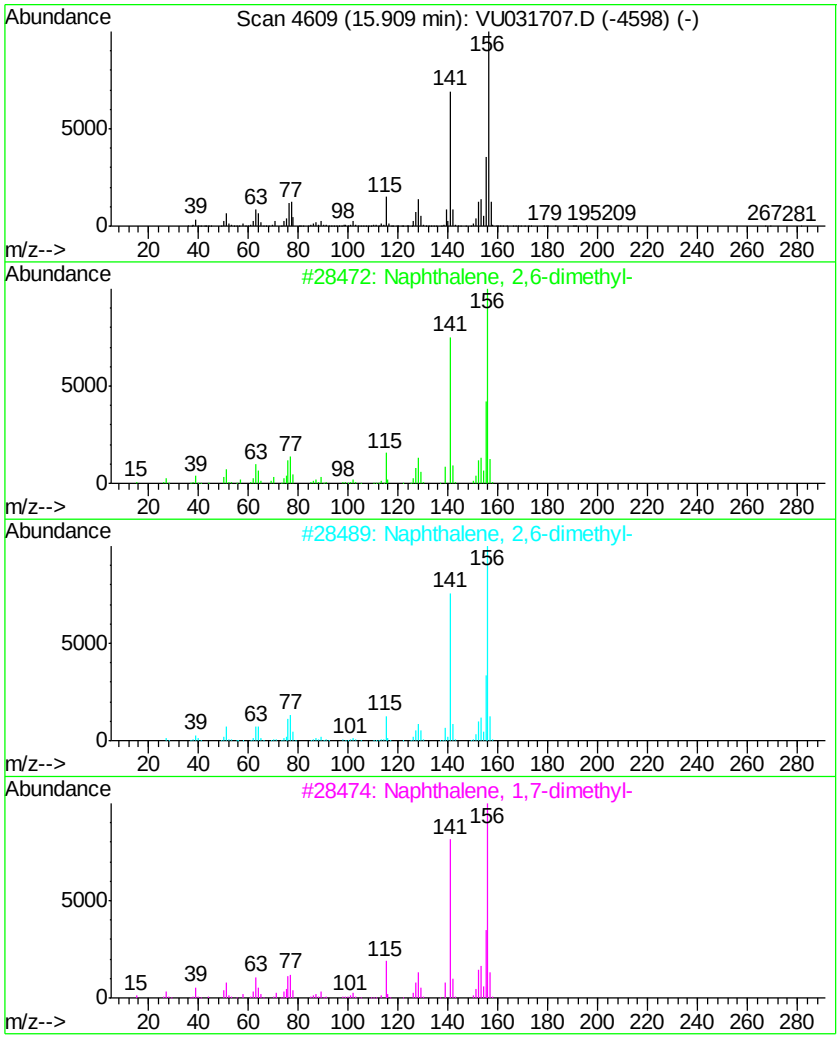
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

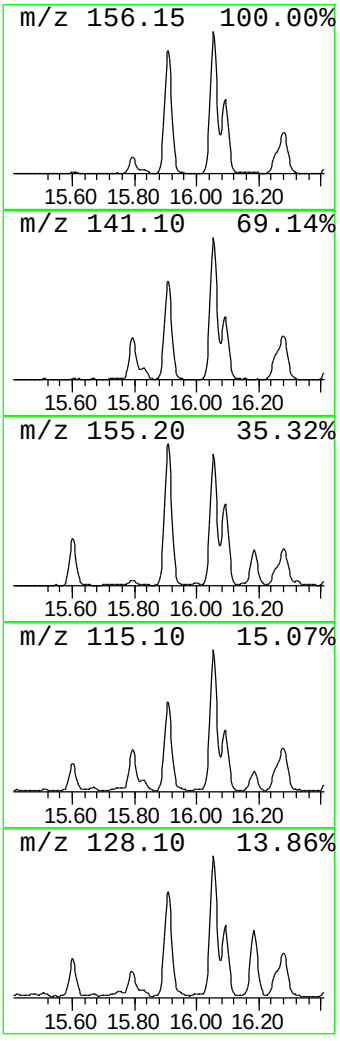
****

Peak Number 21 Naphthalene, 2,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	80.48 ug/L	4486750	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, 1,7-dimethyl-	156	C12H12	000575-37-1	98
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031707.D
Acq On : 02 May 2019 13:11
Operator : JC/SP
Sample : K2604-21 50X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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

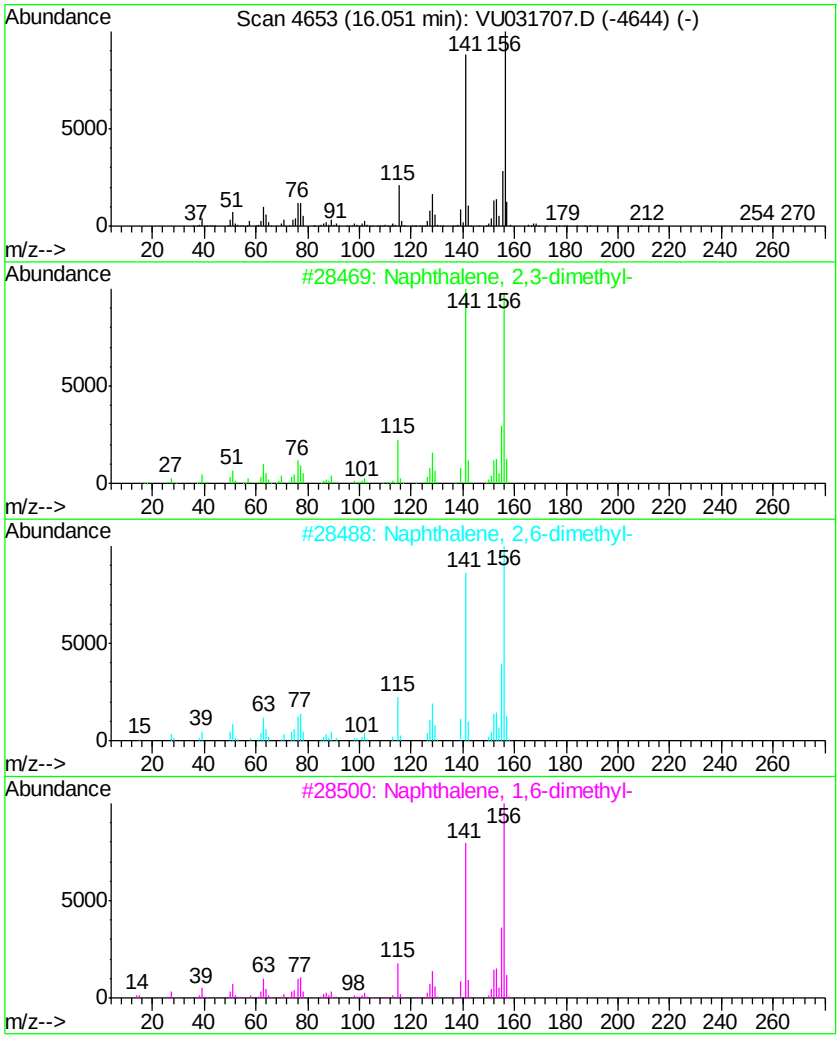
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

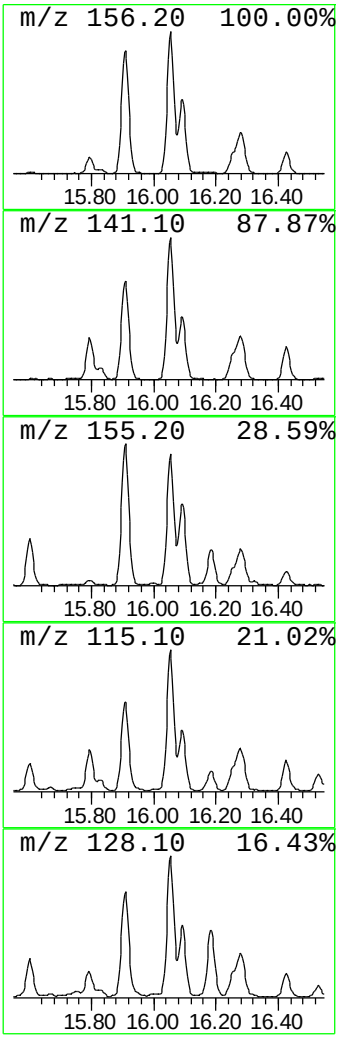
****

Peak Number 22 Naphthalene, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	90.96 ug/L	5070850	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,6-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	97





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031707.D
Acq On : 02 May 2019 13:11
Operator : JC/SP
Sample : K2604-21 50X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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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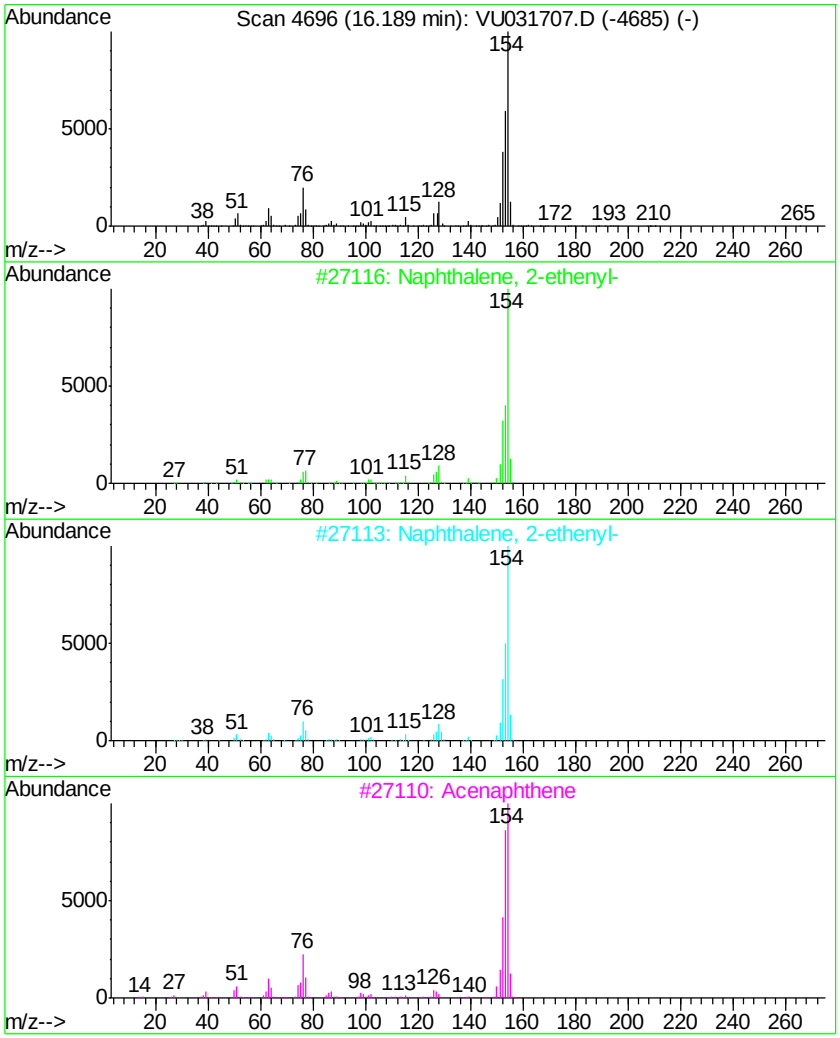
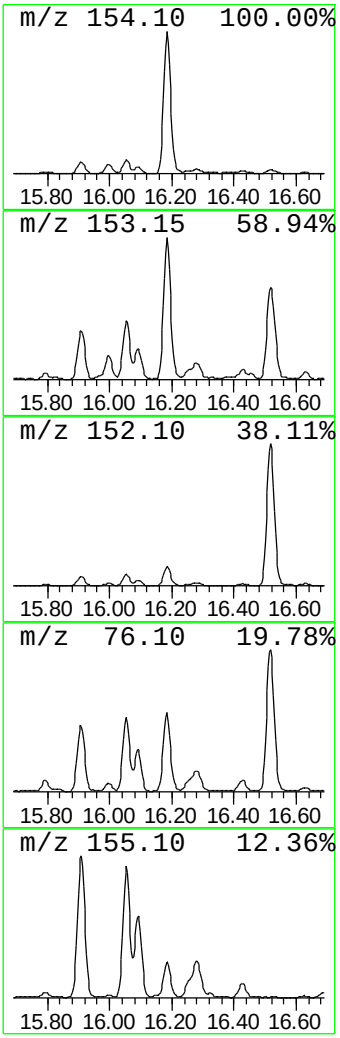
Peak Number 23 Naphthalene, 2-ethenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.19	44.00 ug/L	2452850	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	95
2	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	93
3	Acenaphthene	154	C12H10	000083-32-9	93
4	Acenaphthene	154	C12H10	000083-32-9	93
5	Biphenyl	154	C12H10	000092-52-4	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031707.D
Acq On : 02 May 2019 13:11
Operator : JC/SP
Sample : K2604-21 50X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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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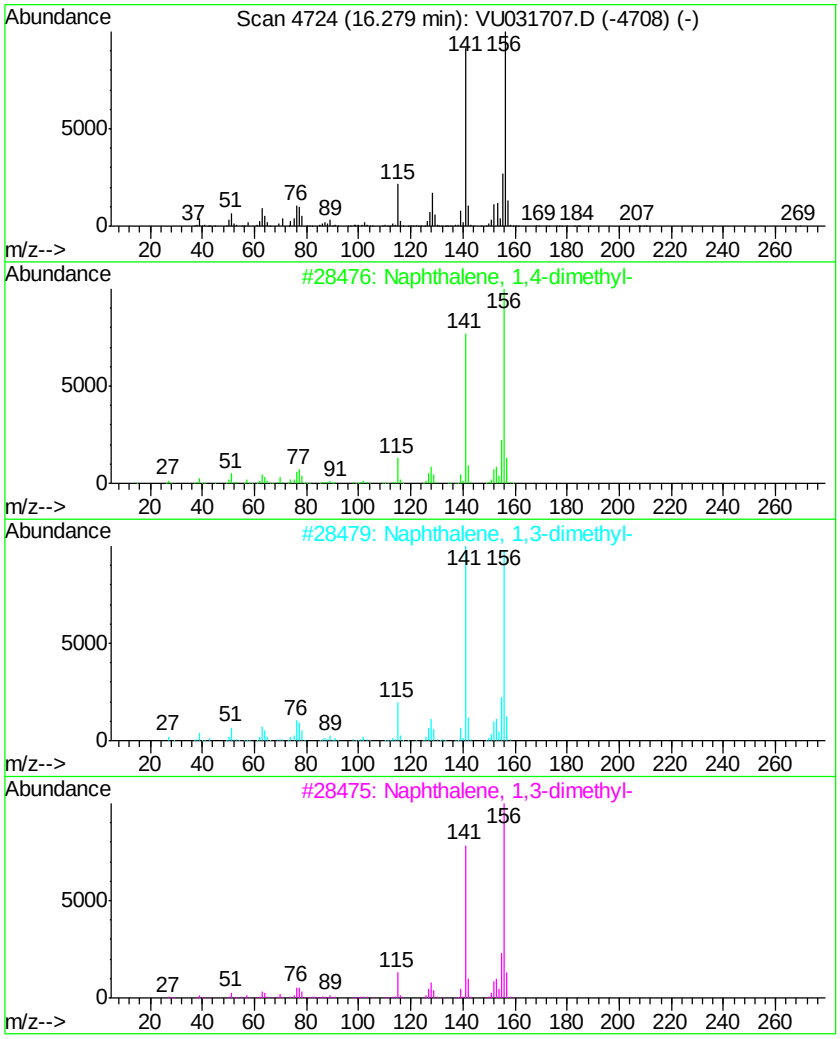
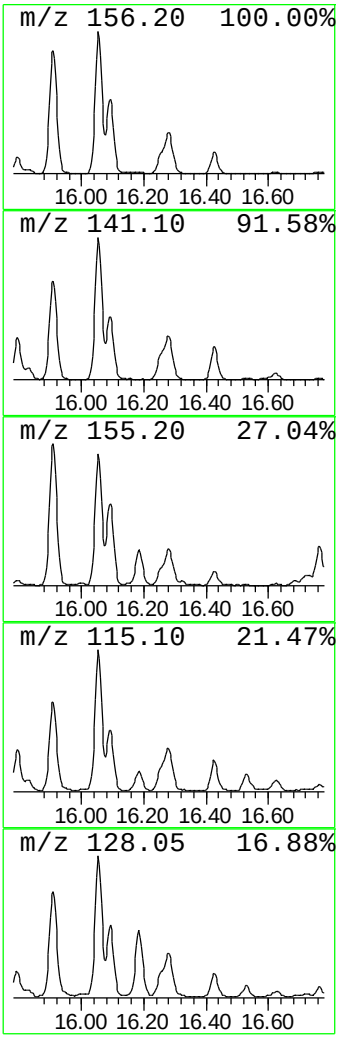
Peak Number 24 Naphthalene, 1,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.28	43.11 ug/L	2403330	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031707.D
Acq On : 02 May 2019 13:11
Operator : JC/SP
Sample : K2604-21 50X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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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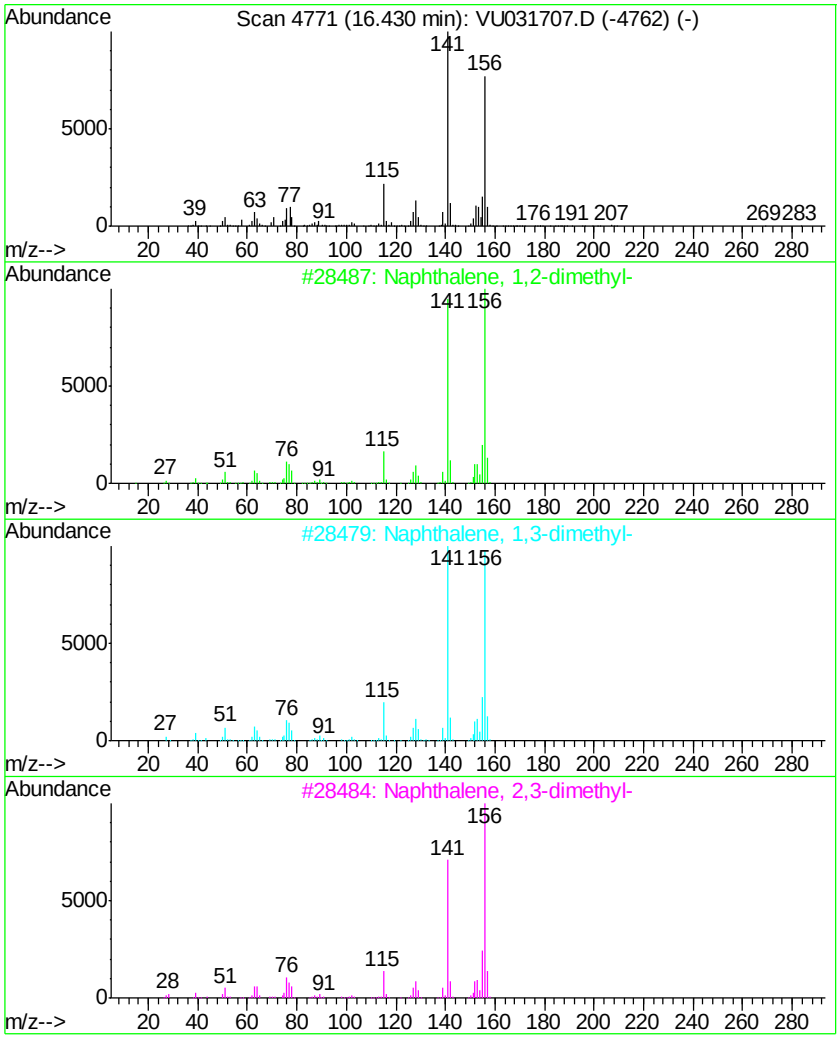
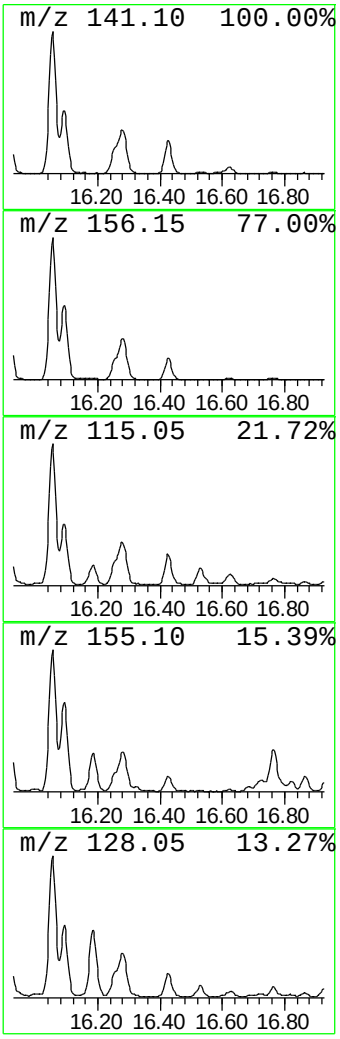
Peak Number 25 Naphthalene, 1,2-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	15.34 ug/L	855215	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	96
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031707.D
Acq On : 02 May 2019 13:11
Operator : JC/SP
Sample : K2604-21 50X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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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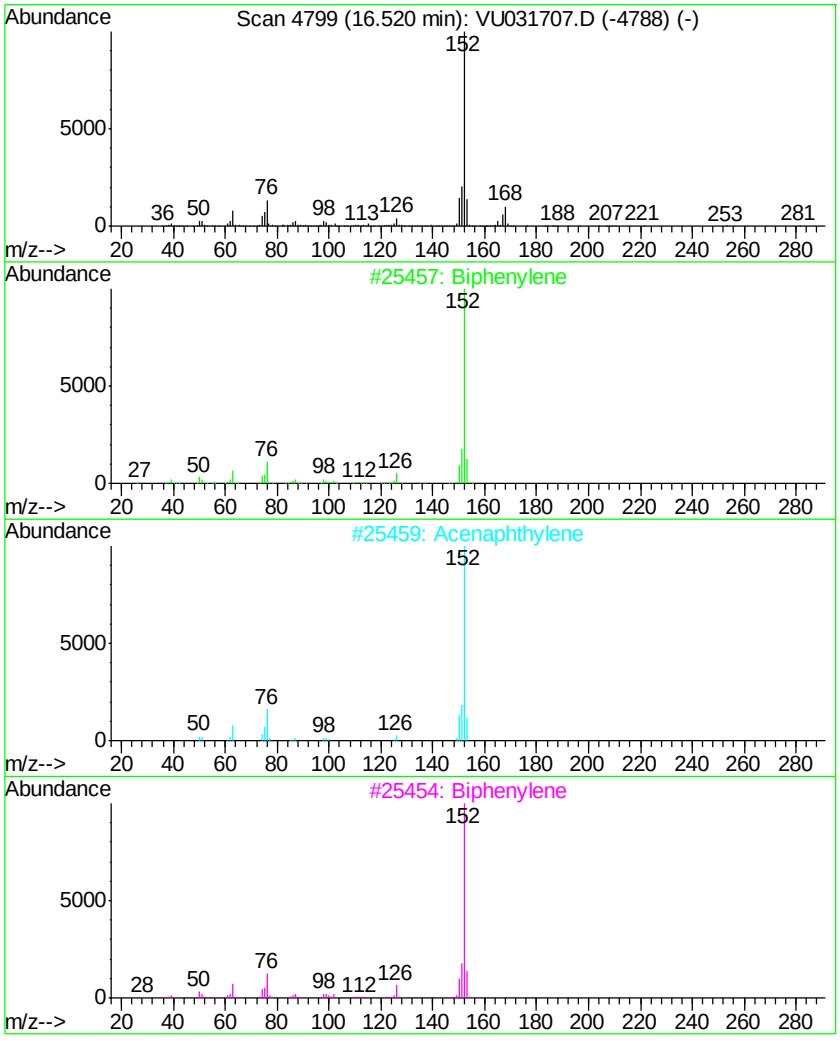
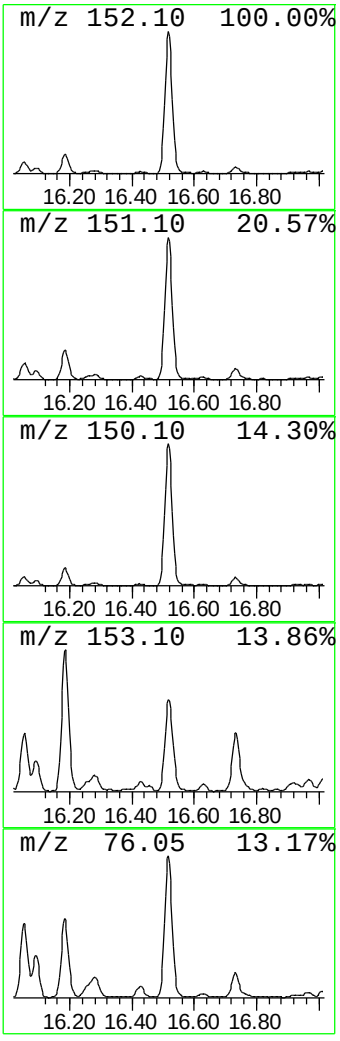
Peak Number 26 Biphenylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.52	94.60 ug/L	5273570	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenylene	152	C12H8	000259-79-0	93
2	Acenaphthylene	152	C12H8	000208-96-8	81
3	Biphenylene	152	C12H8	000259-79-0	81
4	Acenaphthylene	152	C12H8	000208-96-8	81
5	Acenaphthylene	152	C12H8	000208-96-8	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031707.D
Acq On : 02 May 2019 13:11
Operator : JC/SP
Sample : K2604-21 50X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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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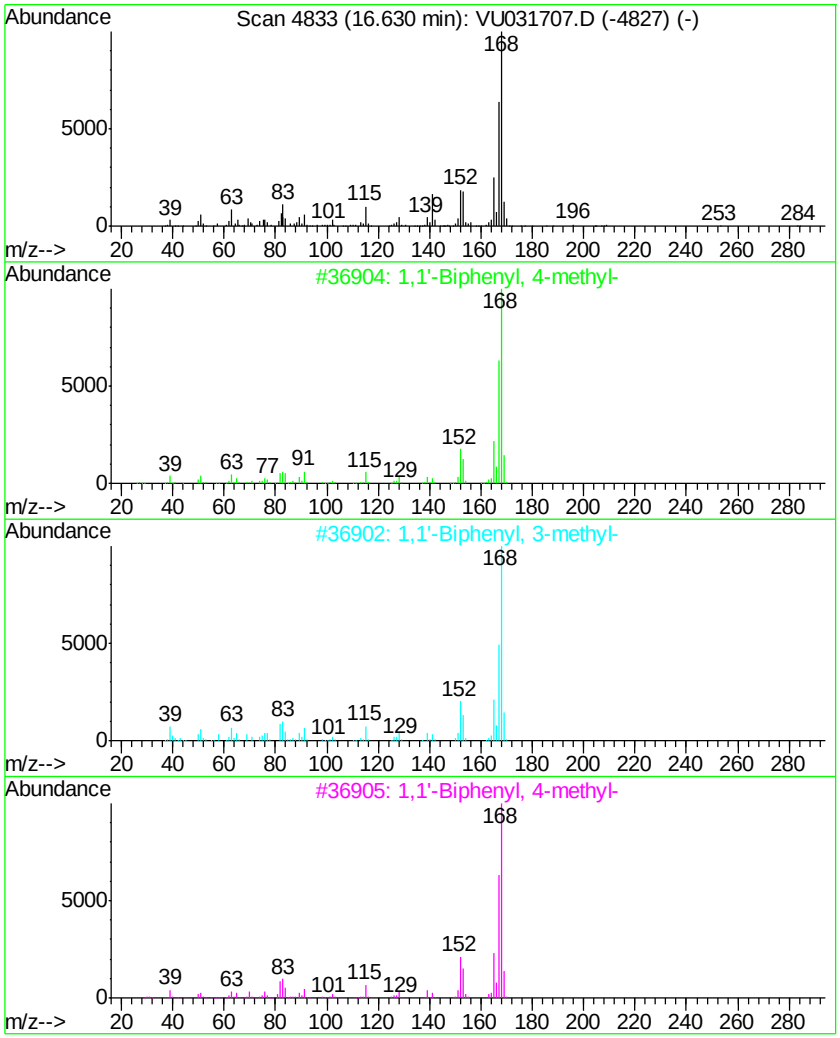
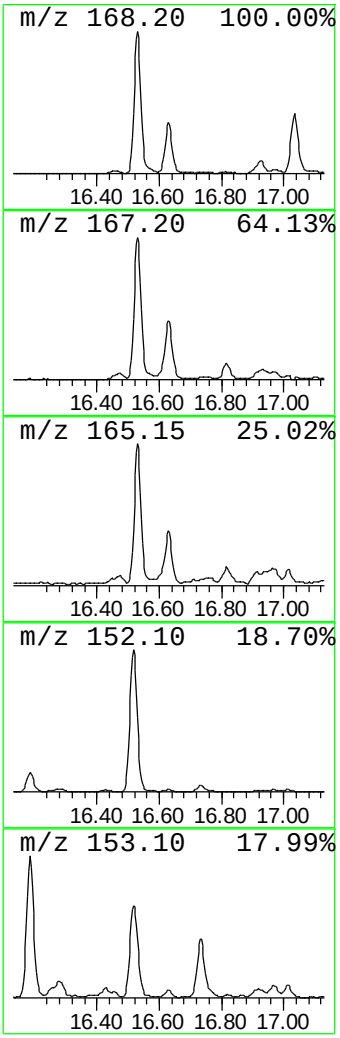
Peak Number 27 1,1'-Biphenyl, 4-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.63	9.03 ug/L	503336	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	95
2	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	94
3	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	94
4	Diphenylmethane	168	C13H12	000101-81-5	81
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031707.D
Acq On : 02 May 2019 13:11
Operator : JC/SP
Sample : K2604-21 50X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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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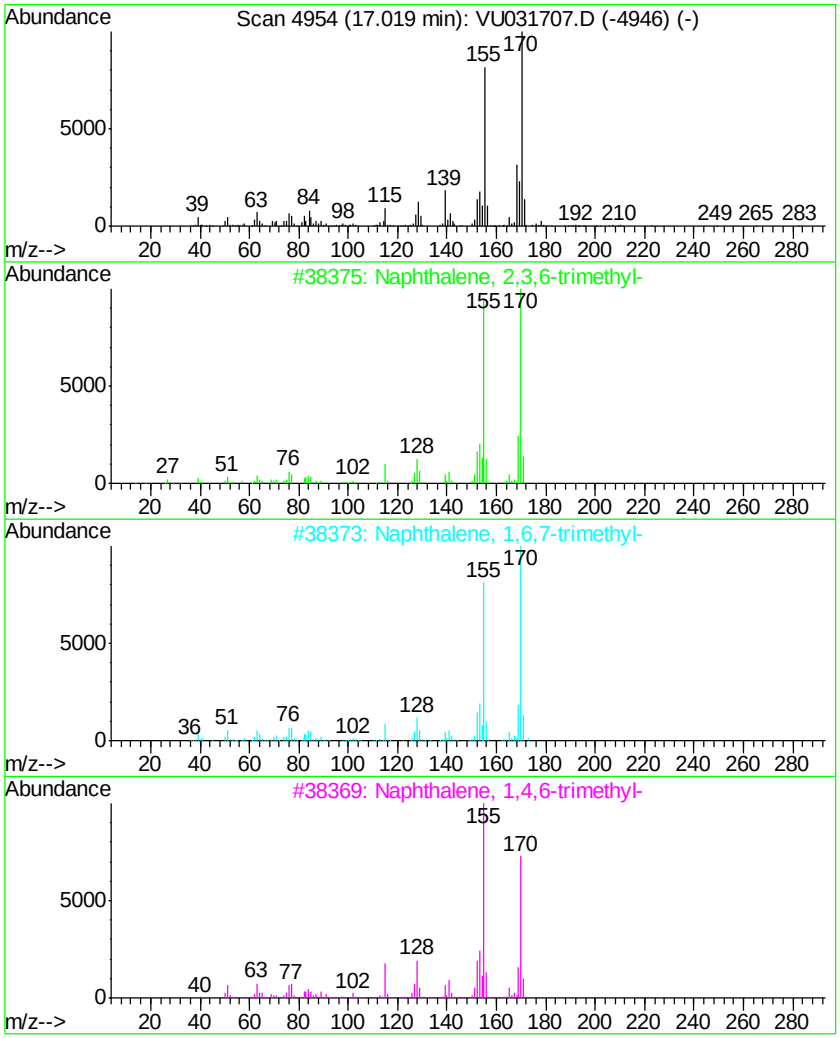
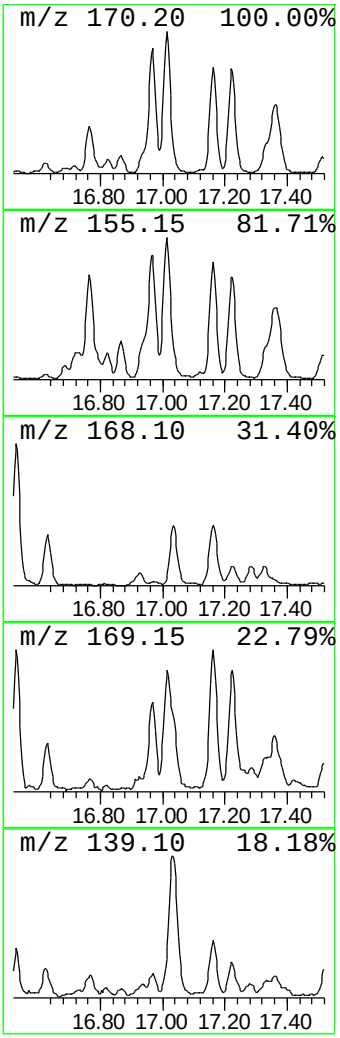
Peak Number 29 Naphthalene, 2,3,6-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.02	18.25 ug/L	1017540	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031707.D
Acq On : 02 May 2019 13:11
Operator : JC/SP
Sample : K2604-21 50X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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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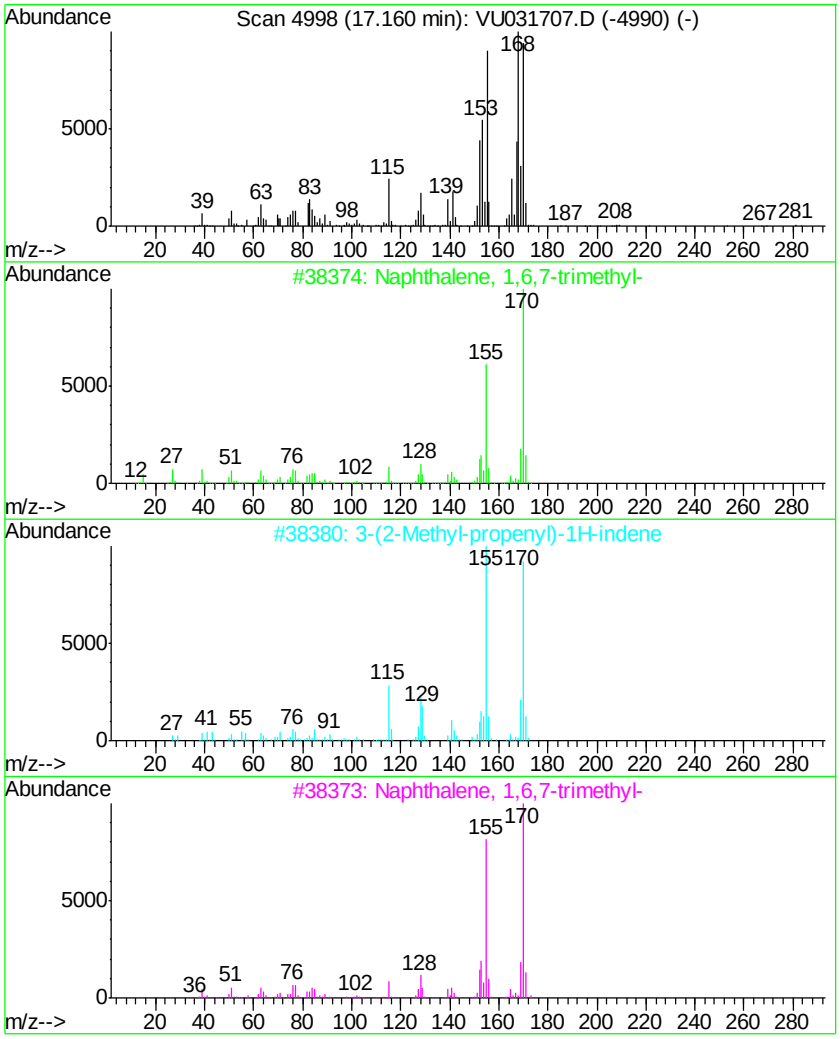
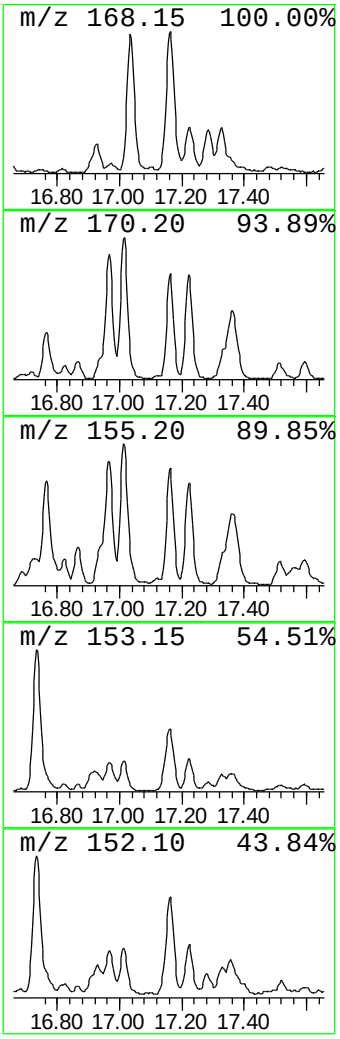
Peak Number 30 Naphthalene, 1,6,7-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.16	17.22 ug/L	959989	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	83
2	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	60
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	50
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	50
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050219\
Data File : VU031707.D
Acq On : 02 May 2019 13:11
Operator : JC/SP
Sample : K2604-21 50X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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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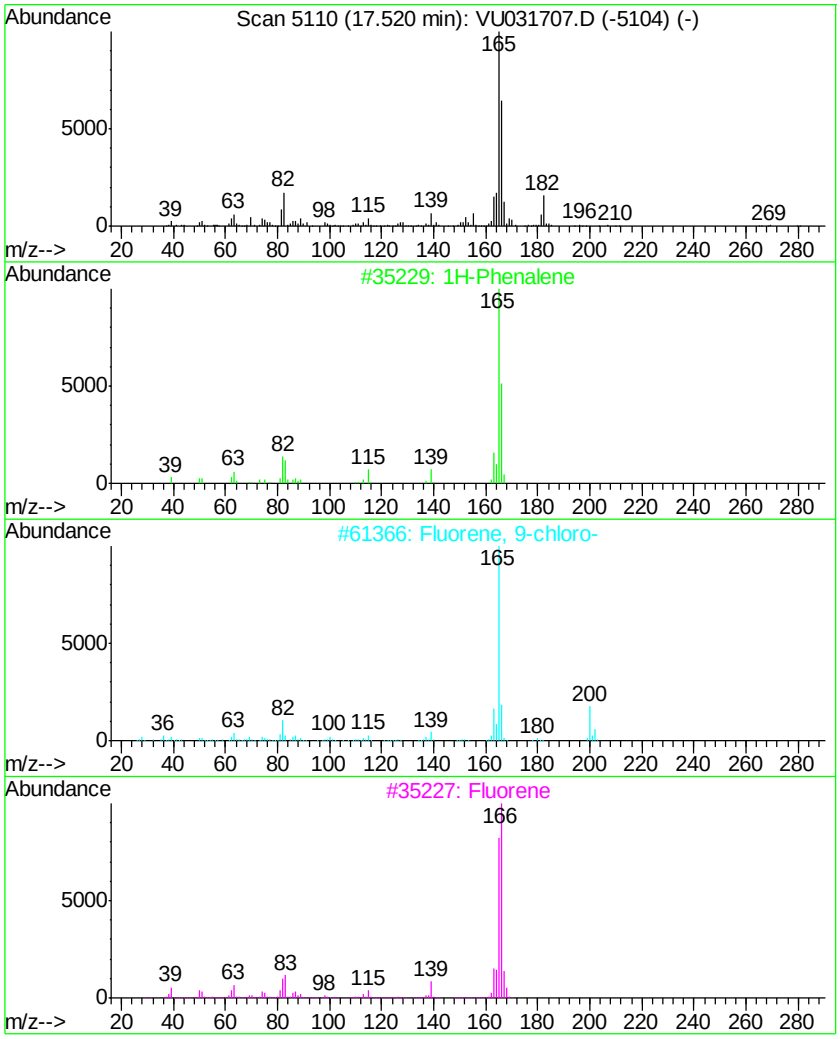
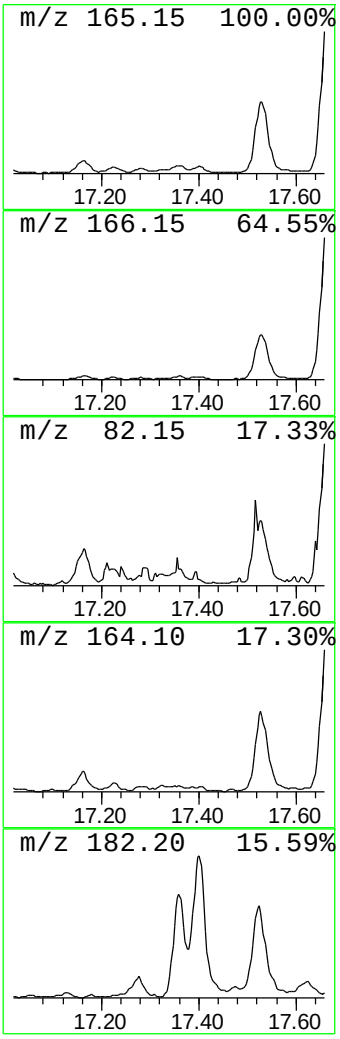
Peak Number 32 1H-Phenalene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.52	12.42 ug/L	692384	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Phenalene	166	C13H10	000203-80-5	64
2	Fluorene, 9-chloro-	200	C13H9Cl	006630-65-5	50
3	Fluorene	166	C13H10	000086-73-7	49
4	9H-Fluorene, 9-bromo-	244	C13H9Br	001940-57-4	47
5	9H-Fluorene, 9-bromo-	244	C13H9Br	001940-57-4	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031707.D
Acq On : 02 May 2019 13:11
Operator : JC/SP
Sample : K2604-21 50X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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
unknown-01	7.22	15.3	ug/L	755385	1	5.88	2465180	50.0
Benzene, 1-ethyl-...	10.68	4.8	ug/L	265780	3	11.48	2787340	50.0
Benzene, 1,2,4-tr...	10.77	3.8	ug/L	212373	3	11.48	2787340	50.0
Benzene, 1-etheny...	11.22	5.0	ug/L	278176	3	11.48	2787340	50.0
Benzene, (2-methy...	12.42	10.5	ug/L	583563	3	11.48	2787340	50.0
(E)-1-Phenyl-1-bu...	12.48	3.0	ug/L	165601	3	11.48	2787340	50.0
Benzene, 1-ethyl-...	12.70	7.8	ug/L	436474	3	11.48	2787340	50.0
Benzene, 2-etheny...	12.82	7.6	ug/L	423040	3	11.48	2787340	50.0
Benzene, 1-methyl...	13.12	7.5	ug/L	415193	3	11.48	2787340	50.0
Benzene, (1-methy...	13.18	15.0	ug/L	835937	3	11.48	2787340	50.0
Benzene,1-methyl-...	13.29	16.4	ug/L	914281	3	11.48	2787340	50.0
1H-Indene, 1,3-di...	14.33	6.7	ug/L	371081	3	11.48	2787340	50.0
1H-Indene, 1-ethy...	14.58	2.6	ug/L	144772	3	11.48	2787340	50.0
1H-Indene, 1-ethe...	14.73	5.0	ug/L	280176	3	11.48	2787340	50.0
Naphthalene, 1-me...	15.05	215.0	ug/L	11984500	3	11.48	2787340	50.0
Biphenyl	15.60	47.5	ug/L	2646060	3	11.48	2787340	50.0
Naphthalene, 1-et...	15.79	11.9	ug/L	666254	3	11.48	2787340	50.0
Naphthalene, 2,6-...	15.91	80.5	ug/L	4486750	3	11.48	2787340	50.0
Naphthalene, 2,3-...	16.05	91.0	ug/L	5070850	3	11.48	2787340	50.0
Naphthalene, 2-et...	16.19	44.0	ug/L	2452850	3	11.48	2787340	50.0
Naphthalene, 1,4-...	16.28	43.1	ug/L	2403330	3	11.48	2787340	50.0
Naphthalene, 1,2-...	16.43	15.3	ug/L	855215	3	11.48	2787340	50.0
Biphenylene	16.52	94.6	ug/L	5273570	3	11.48	2787340	50.0
1,1'-Biphenyl, 4-...	16.63	9.0	ug/L	503336	3	11.48	2787340	50.0
Naphthalene, 2,3,...	17.02	18.3	ug/L	1017540	3	11.48	2787340	50.0
Naphthalene, 1,6,...	17.16	17.2	ug/L	959989	3	11.48	2787340	50.0
1H-Phenalene	17.52	12.4	ug/L	692384	3	11.48	2787340	50.0