LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041719\
Data File : VU031256.D
Acq On : 17 Apr 2019 13:43
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

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\SOMULM041719WMA.M
Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.180	23	28	35	rBV	14472	13425	0.01%	0.005%
2	1.396	88	95	106	rBV	242385	276031	0.27%	0.107%
3	1.679	176	183	197	rBV	202679	262704	0.26%	0.102%
4	2.264	354	365	378	rVB	439228	673202	0.66%	0.260%
5	2.463	422	427	433	rVV3	1418	2115	0.00%	0.001%
6	2.698	492	500	503	rBV6	6324	8450	0.01%	0.003%
7	2.987	577	590	598	rBV9	6254	12833	0.01%	0.005%
8	3.302	674	688	702	rBV6	5997	14632	0.01%	0.006%
9	3.984	886	900	913	rBV6	5644	13740	0.01%	0.005%
10	4.087	918	932	945	rVB7	9038	23029	0.02%	0.009%
11	4.203	954	968	1023	rBV2	98355	441678	0.44%	0.171%
12	4.643	1088	1105	1130	rBV2	284278	676367	0.67%	0.261%
13	4.878	1170	1178	1179	rBV5	1563	1432	0.00%	0.001%
14	4.984	1196	1211	1224	rBV5	11828	28029	0.03%	0.011%
15	5.071	1224	1238	1239	rBV6	11526	14940	0.01%	0.006%
16	5.219	1271	1284	1297	rBV8	8143	18585	0.02%	0.007%
17	5.334	1298	1320	1353	rBV2	575500	1722219	1.70%	0.666%
18	5.778	1451	1458	1476	rVB7	5398	9967	0.01%	0.004%
19	5.881	1476	1490	1527	rBV	578003	1277269	1.26%	0.494%
20	6.190	1574	1586	1590	rBV7	4853	9476	0.01%	0.004%
21	6.328	1614	1629	1646	rBV	378941	788629	0.78%	0.305%
22	6.627	1717	1722	1724	rBV3	2933	2843	0.00%	0.001%
23	6.900	1798	1807	1808	rBV2	3902	3420	0.00%	0.001%
24	7.039	1845	1850	1862	rBV8	3130	6380	0.01%	0.002%
25	7.096	1862	1868	1870	rBV3	2287	2052	0.00%	0.001%
26	7.177	1887	1893	1897	rBV5	3801	4011	0.00%	0.002%
27	7.225	1897	1908	1933	rVV	203238	396367	0.39%	0.153%
28	7.331	1938	1941	1951	rVB8	2819	4429	0.00%	0.002%
29	7.563	1991	2013	2033	rBV	726492	1395181	1.38%	0.539%
30	7.849	2093	2102	2118	rBV2	135380	253416	0.25%	0.098%
31	8.042	2155	2162	2170	rVV8	2151	4130	0.00%	0.002%
32	8.225	2214	2219	2227	rVB7	2334	2811	0.00%	0.001%
33	8.321	2237	2249	2284	rBV2	472141	1006505	0.99%	0.389%
34	8.537	2309	2316	2329	rVB2	4662	8961	0.01%	0.003%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041719\
Data File : VU031256.D
Acq On : 17 Apr 2019 13:43
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

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\SOMULM041719WMA.M
Title : VOC Analysis

35	8.604	2329	2337	2349	rBV2	4176	8187	0.01%	0.003%
36	8.907	2424	2431	2439	rVB8	5922	8920	0.01%	0.003%
37	9.026	2463	2468	2475	rBV7	3403	4631	0.00%	0.002%
38	9.087	2475	2487	2521	rBV	855363	1568046	1.55%	0.606%
39	9.251	2528	2538	2550	rBV	47086	88336	0.09%	0.034%
40	9.373	2563	2576	2594	rBV	774795	1398457	1.38%	0.540%
41	9.556	2629	2633	2636	rBV4	2543	2161	0.00%	0.001%
42	9.649	2656	2662	2666	rBV5	3206	3962	0.00%	0.002%
43	9.707	2672	2680	2682	rBV8	4932	5386	0.01%	0.002%
44	9.778	2690	2702	2737	rBV4	522884	1063748	1.05%	0.411%
45	9.948	2749	2755	2766	rVB9	12184	19277	0.02%	0.007%
46	9.993	2766	2769	2771	rBV4	2708	1887	0.00%	0.001%
47	10.164	2815	2822	2833	rBV	13157	22611	0.02%	0.009%
48	10.251	2845	2849	2858	rVB10	5196	6959	0.01%	0.003%
49	10.299	2858	2864	2865	rBV4	4820	4565	0.00%	0.002%
50	10.431	2894	2905	2918	rBV	554263	895623	0.88%	0.346%
51	10.585	2945	2953	2969	rBV	59738	96272	0.10%	0.037%
52	10.678	2972	2982	2999	rBV	316983	707842	0.70%	0.274%
53	10.768	2999	3010	3019	rBV	479594	764496	0.75%	0.295%
54	10.890	3046	3048	3051	rBV3	2320	1673	0.00%	0.001%
55	10.971	3063	3073	3078	rBV	132145	220715	0.22%	0.085%
56	11.144	3111	3127	3139	rBV	1629879	2557699	2.53%	0.988%
57	11.212	3139	3148	3157	rVV	608147	944290	0.93%	0.365%
58	11.263	3158	3164	3178	rVB	225872	350321	0.35%	0.135%
59	11.482	3221	3232	3245	rBV	1049726	1651023	1.63%	0.638%
60	11.569	3250	3259	3268	rVV	576269	880776	0.87%	0.340%
61	11.624	3268	3276	3294	rVB	351656	557655	0.55%	0.216%
62	11.762	3309	3319	3328	rBV2	313774	562618	0.56%	0.217%
63	11.858	3339	3349	3365	rVB2	963000	1715353	1.69%	0.663%
64	11.977	3374	3386	3406	rBV	5626841	8696366	8.59%	3.361%
65	12.144	3430	3438	3441	rBV2	103057	141391	0.14%	0.055%
66	12.244	3455	3469	3478	rBV3	184899	403185	0.40%	0.156%
67	12.424	3516	3525	3535	rVB2	360978	569134	0.56%	0.220%
68	12.482	3537	3543	3556	rVB2	95681	154466	0.15%	0.060%
69	12.646	3587	3594	3602	rVB	180930	251814	0.25%	0.097%
70	12.701	3602	3611	3624	rBV	498064	865379	0.85%	0.334%
71	12.823	3641	3649	3660	rBV3	305185	562002	0.55%	0.217%

LSC Area Percent Report

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Acq On : 17 Apr 2019 13:43
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

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\SOMULM041719WMA.M
Title : VOC Analysis

72	12.961	3685	3692	3706	rVB	175744	264467	0.26%	0.102%
73	13.080	3723	3729	3731	rBV4	67049	71821	0.07%	0.028%
74	13.115	3732	3740	3750	rVV2	744927	1182427	1.17%	0.457%
75	13.180	3750	3760	3773	rVB	2269930	3450225	3.41%	1.333%
76	13.286	3782	3793	3810	rVB	2654460	4318932	4.26%	1.669%
77	13.386	3813	3824	3839	rVB2	370963	669979	0.66%	0.259%
78	13.749	3921	3937	3960	rBV2	55263460	101276957	100.00%	39.137%
79	13.858	3963	3971	3993	rVB	608539	1024568	1.01%	0.396%
80	14.141	4052	4059	4065	rBV5	122022	195651	0.19%	0.076%
81	14.337	4110	4120	4128	rBV2	378350	685113	0.68%	0.265%
82	14.585	4190	4197	4211	rVB3	116263	190618	0.19%	0.074%
83	14.726	4235	4241	4258	rVB2	213732	388573	0.38%	0.150%
84	14.816	4261	4269	4275	rVV	232097	355297	0.35%	0.137%
85	14.874	4275	4287	4312	rVB	29680295	45940350	45.36%	17.753%
86	15.057	4332	4344	4378	rVB	17363125	27362889	27.02%	10.574%
87	15.601	4502	4513	4524	rBV	3059531	4601740	4.54%	1.778%
88	15.794	4566	4573	4580	rBV	578369	796913	0.79%	0.308%
89	15.910	4597	4609	4631	rBV	3647630	6386239	6.31%	2.468%
90	16.054	4643	4654	4661	rBV	5323176	8457384	8.35%	3.268%
91	16.186	4686	4695	4706	rVB	735200	1162878	1.15%	0.449%
92	16.279	4707	4724	4746	rVB2	1375707	3577166	3.53%	1.382%
93	16.427	4760	4770	4788	rBV	829319	1368539	1.35%	0.529%
94	16.520	4788	4799	4818	rVV2	1949698	3579914	3.53%	1.383%
95	16.627	4826	4832	4844	rVB3	328097	528343	0.52%	0.204%
96	16.733	4856	4865	4872	rBV	561255	916637	0.91%	0.354%
97	16.967	4932	4938	4945	rVB	401646	552659	0.55%	0.214%
98	17.016	4946	4953	4977	rVB3	505824	1061181	1.05%	0.410%
99	17.164	4990	4999	5009	rVB2	519153	815126	0.80%	0.315%
100	17.225	5010	5018	5029	rVB	292247	453403	0.45%	0.175%

Sum of corrected areas: 258772473

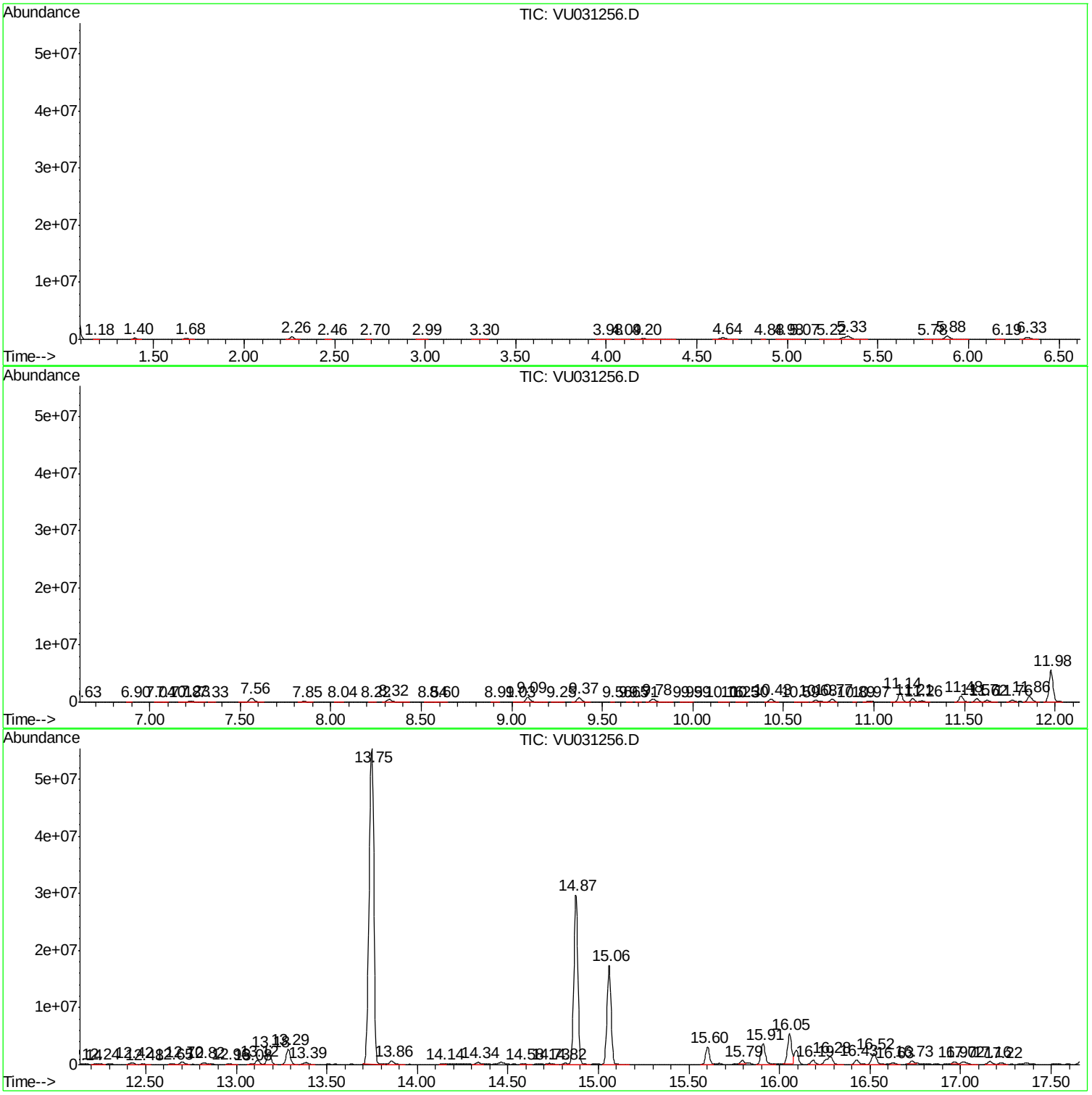
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041719\
Data File : VU031256.D
Acq On : 17 Apr 2019 13:43
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031256.D
Acq On : 17 Apr 2019 13:43
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

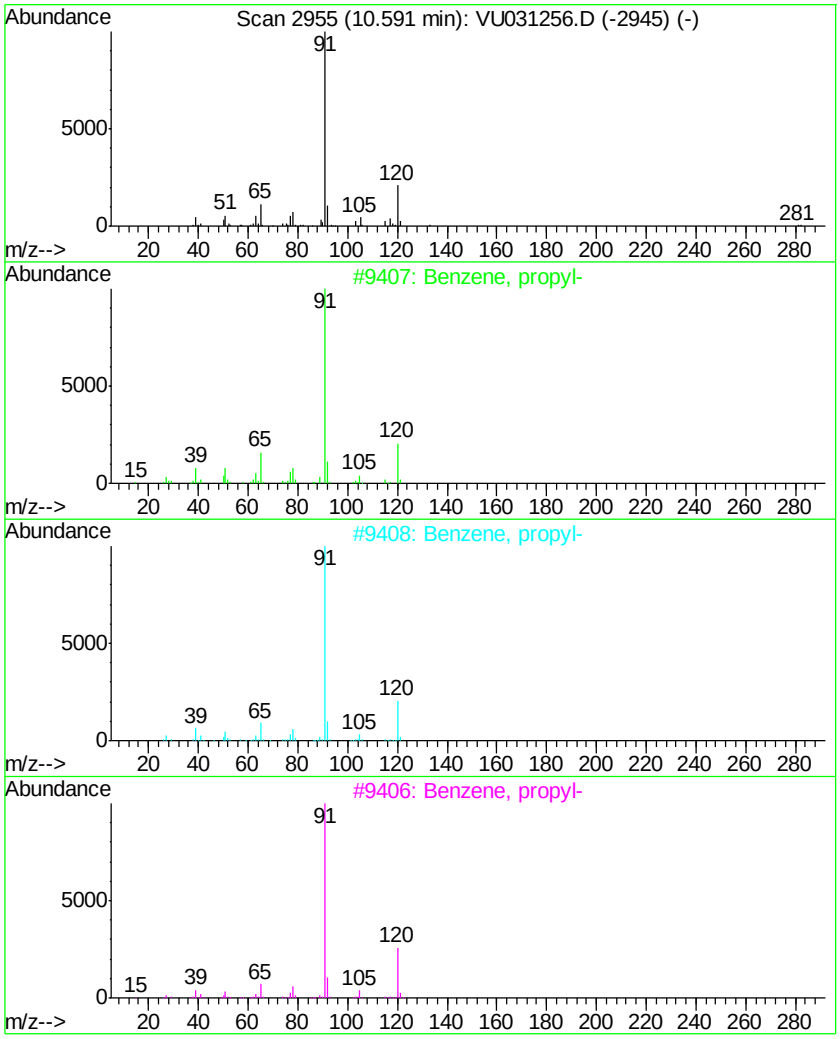
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

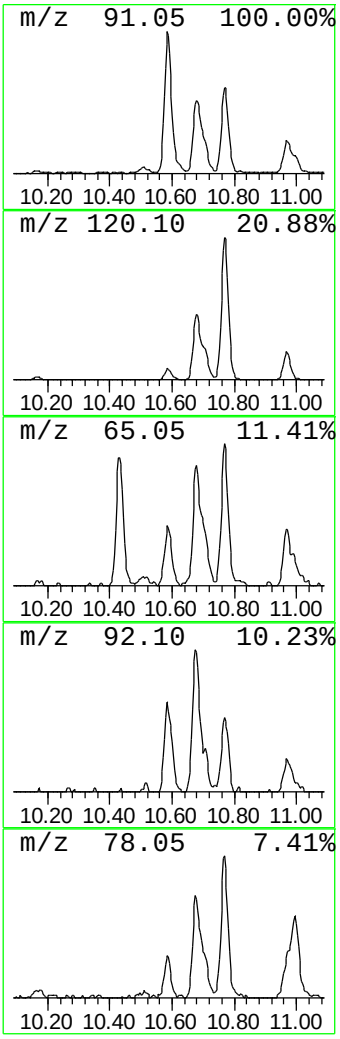
****

Peak Number 2 Benzene, propyl- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	2.92 ug/L	96272	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	87
3	Benzene, propyl-	120	C9H12	000103-65-1	80
4	1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	72
5	Benzeneacetaldehyde	120	C8H8O	000122-78-1	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041719\
Data File : VU031256.D
Acq On : 17 Apr 2019 13:43
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

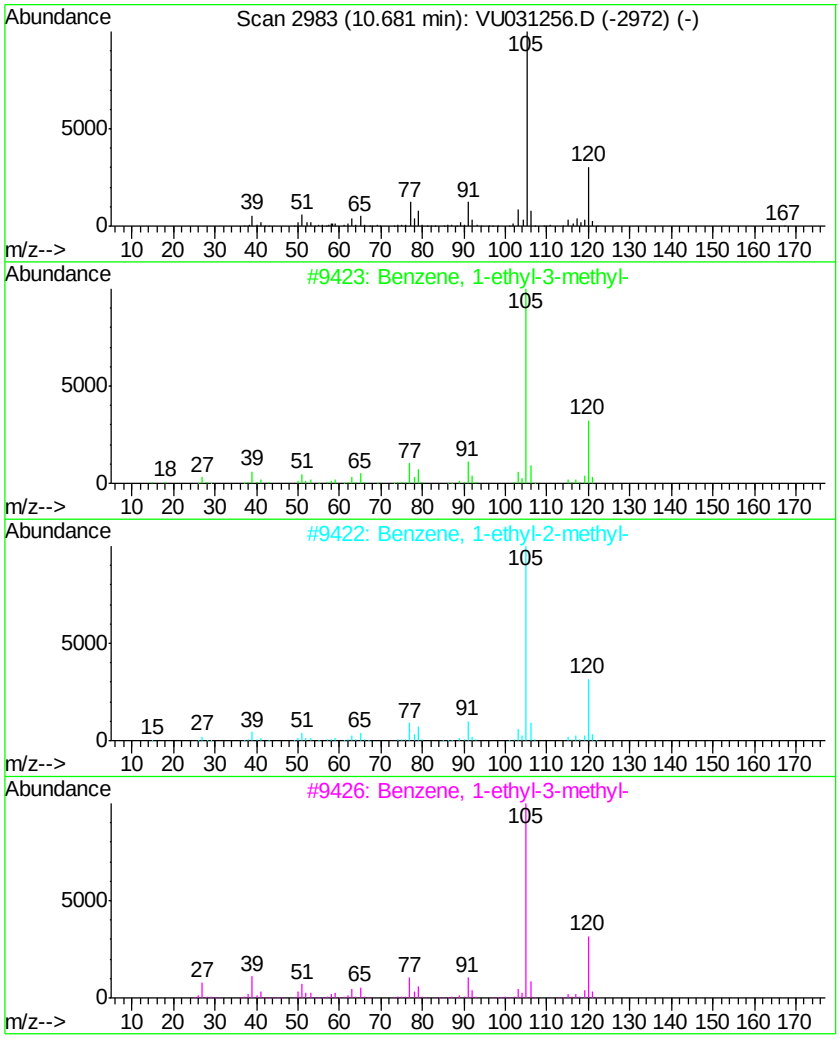
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

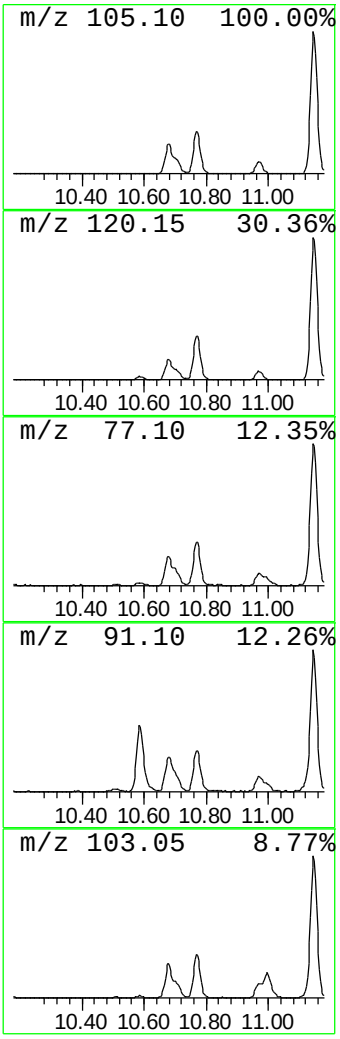
****

Peak Number 3 Benzene, 1-ethyl-3-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	21.44 ug/L	707842	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	97
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-2-methyl-	120	C9H12	000611-14-3	94
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031256.D
Acq On : 17 Apr 2019 13:43
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

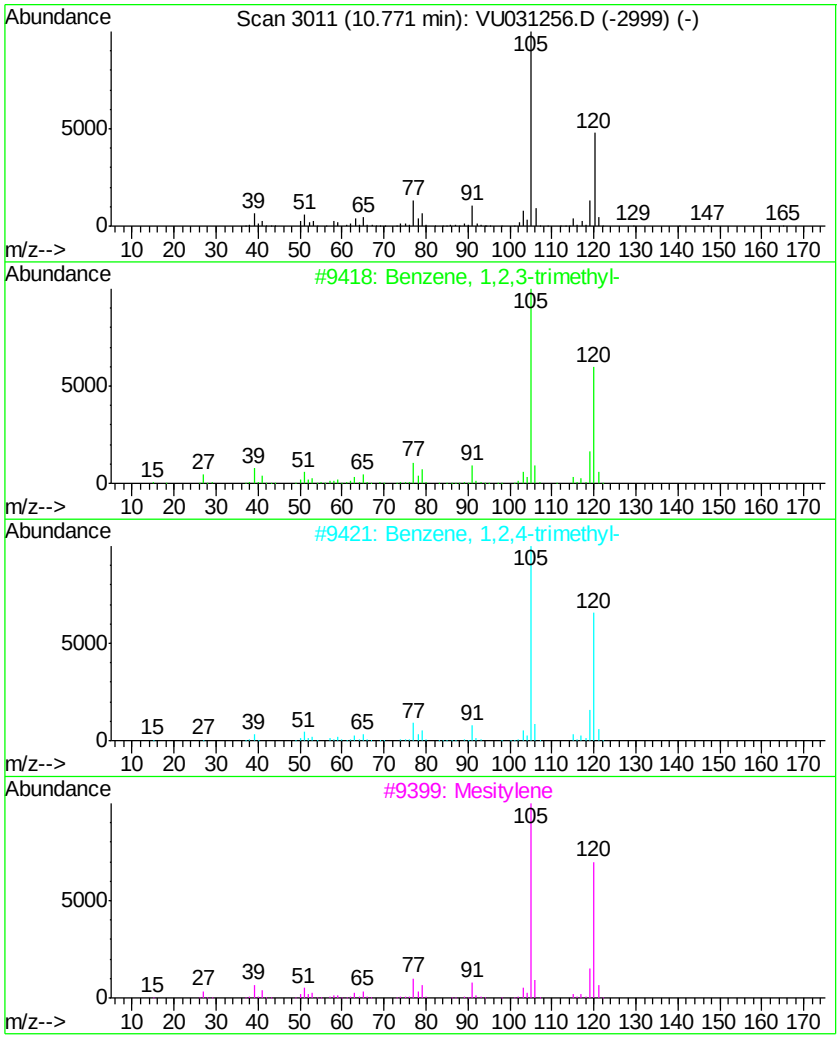
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

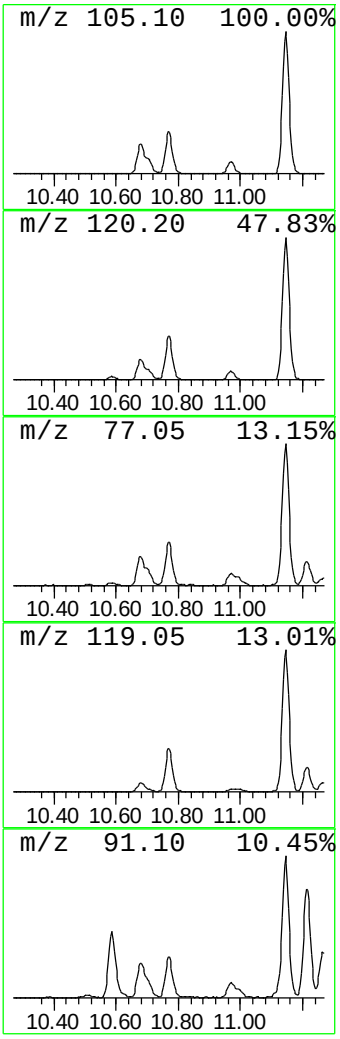
****

Peak Number 4 Benzene, 1,2,3-trimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	23.15 ug/L	764496	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	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3	Mesitylene	120	C9H12	000108-67-8	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031256.D
Acq On : 17 Apr 2019 13:43
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

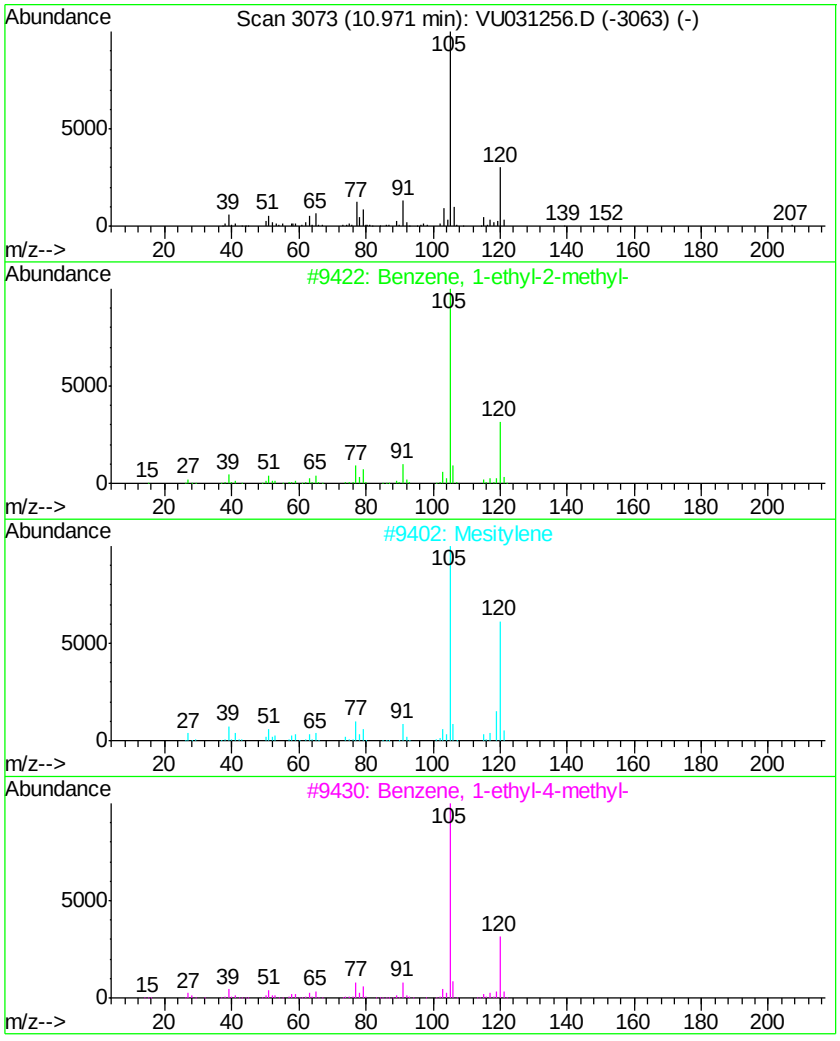
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

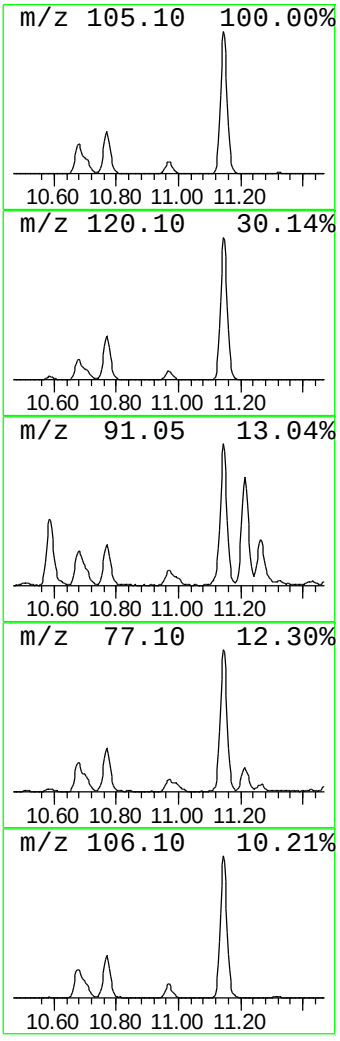
****

Peak Number 5 Benzene, 1-ethyl-2-methyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	6.68 ug/L	220715	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	Mesitylene	120	C9H12	000108-67-8	91
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031256.D
Acq On : 17 Apr 2019 13:43
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

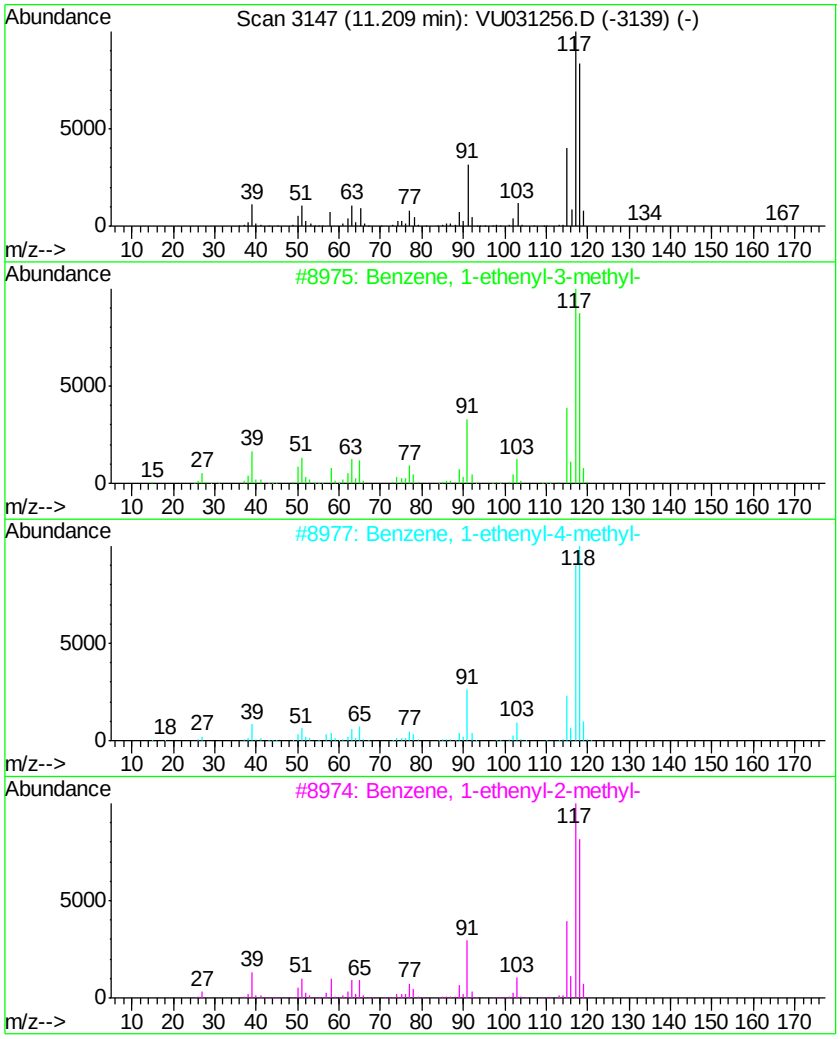
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

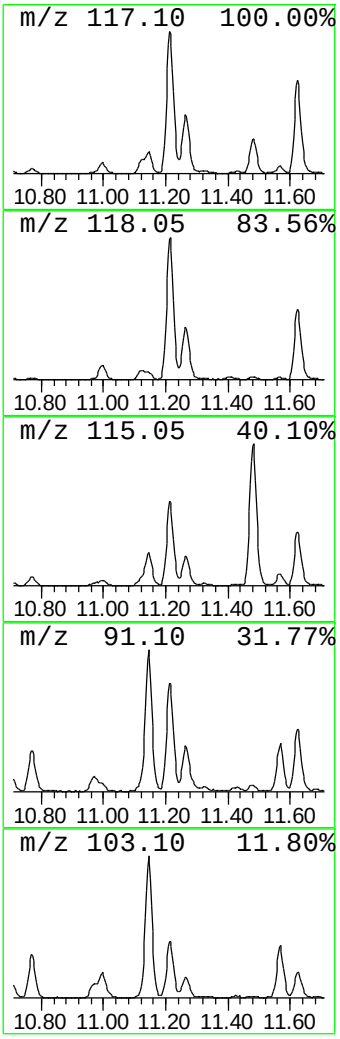
****

Peak Number 7 Benzene, 1-ethenyl-3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	28.60 ug/L	944290	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-4-methyl-	118	C9H10	000622-97-9	95
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
5	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031256.D
Acq On : 17 Apr 2019 13:43
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

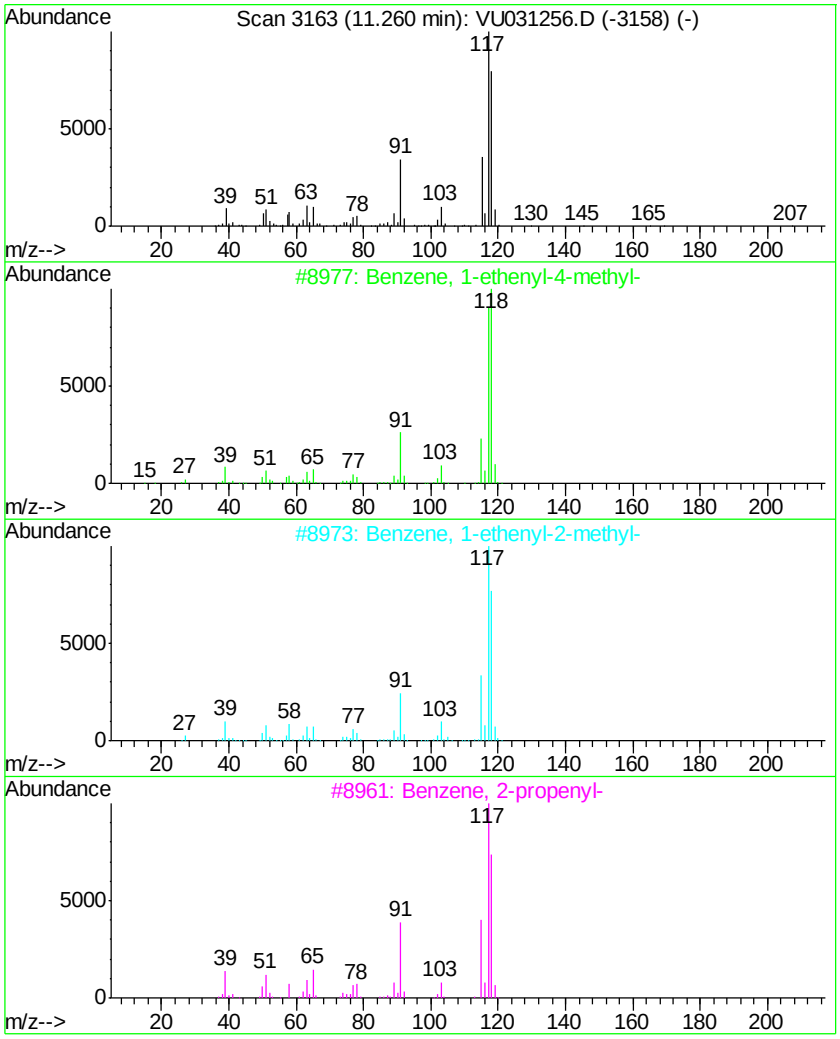
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

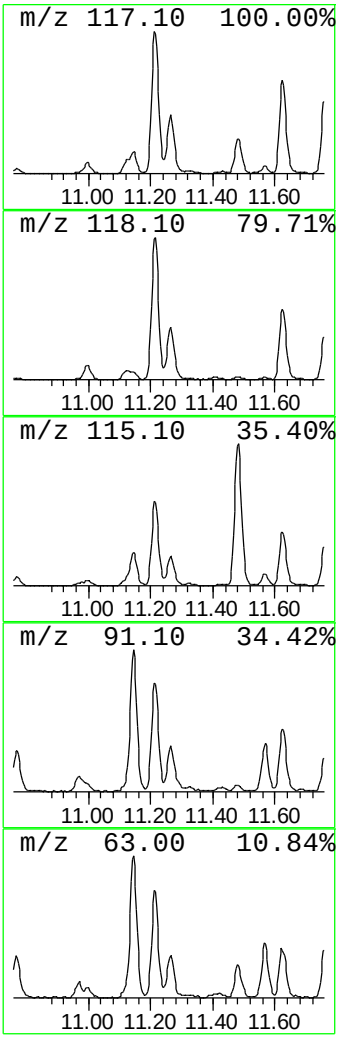
****

Peak Number 8 Benzene, 1-ethenyl-4-methyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	10.61 ug/L	350321	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	94
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	93
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	93
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	87
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	87





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Data File : VU031256.D
Acq On : 17 Apr 2019 13:43
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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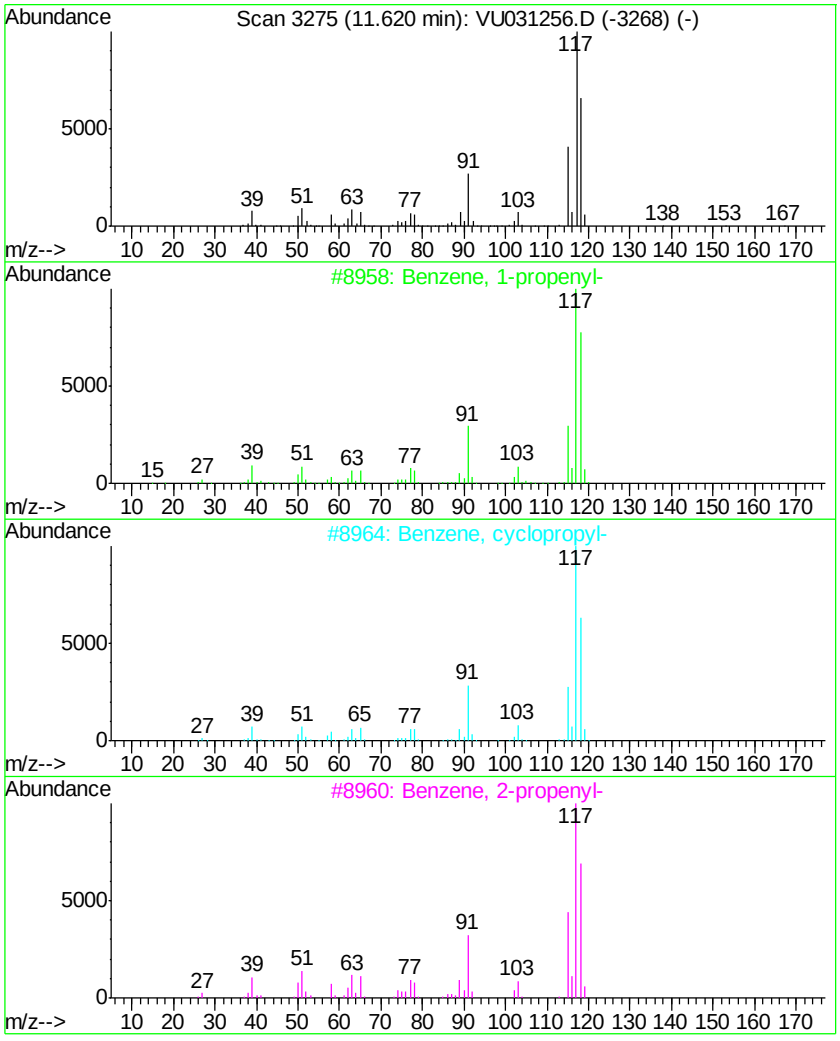
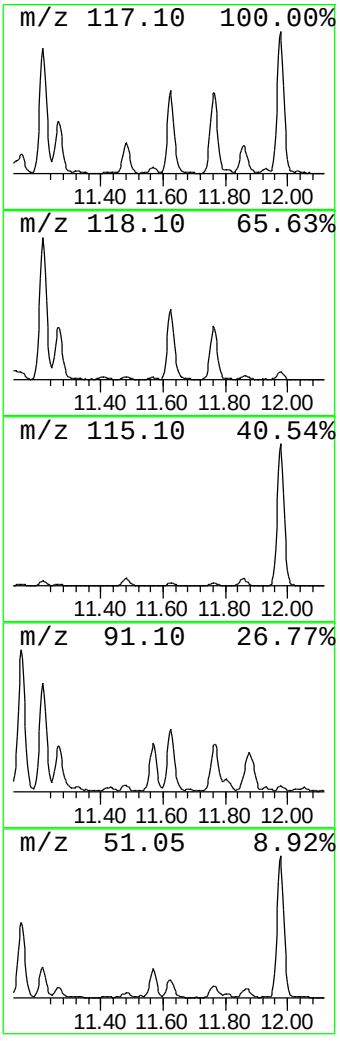
Peak Number 10 Benzene, 1-propenyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	16.89 ug/L	557655	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, cyclopropyl-	118	C9H10	000873-49-4	94
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	93
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	93
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	93





Library Search Compound Report

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Data File : VU031256.D
Acq On : 17 Apr 2019 13:43
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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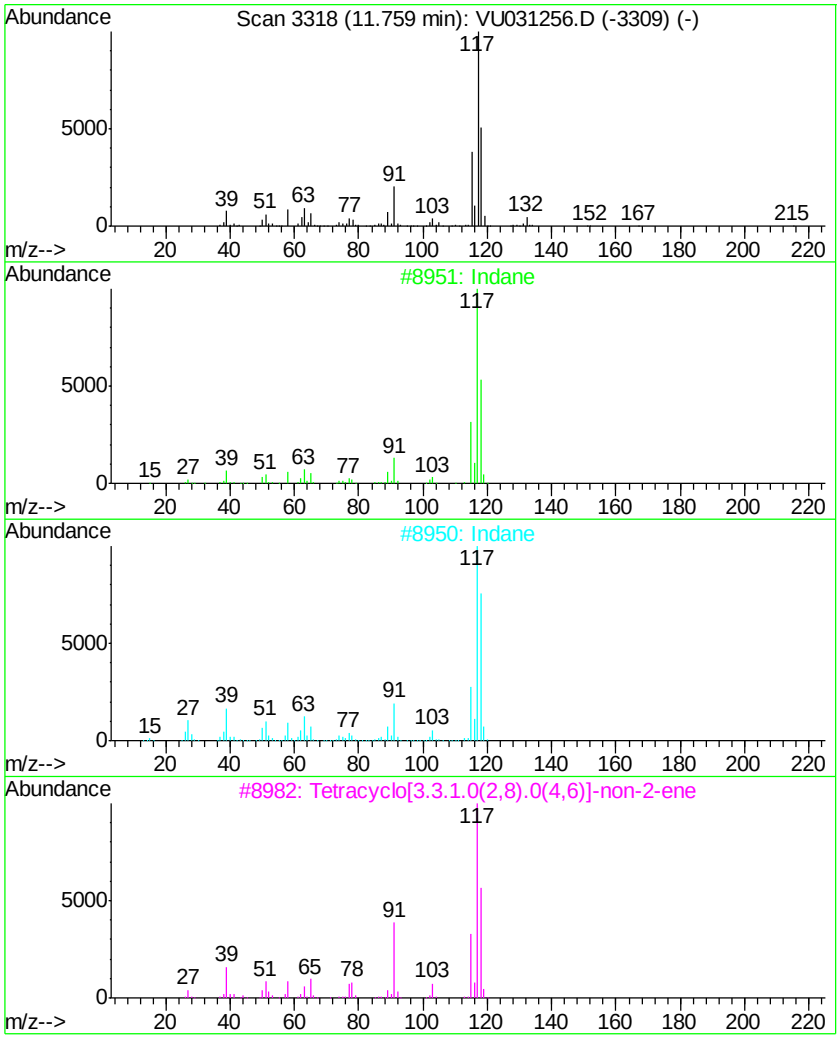
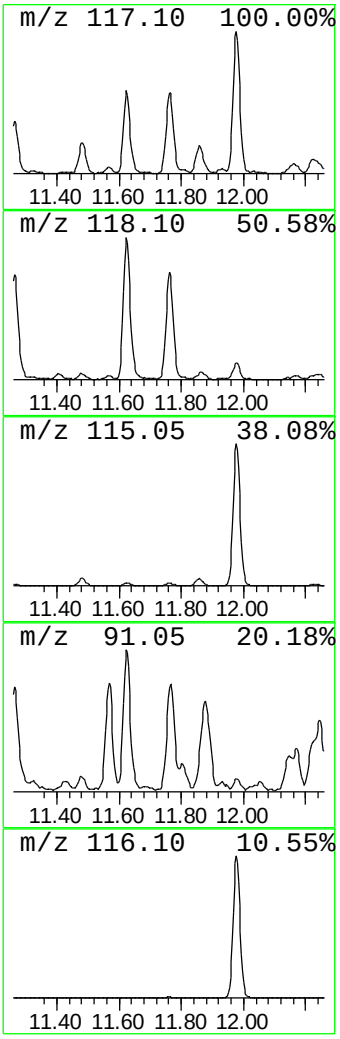
Peak Number 11 Indane Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	17.04 ug/L	562618	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Indane	118	C9H10	000496-11-7	90
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	81
4	Indane	118	C9H10	000496-11-7	81
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031256.D
Acq On : 17 Apr 2019 13:43
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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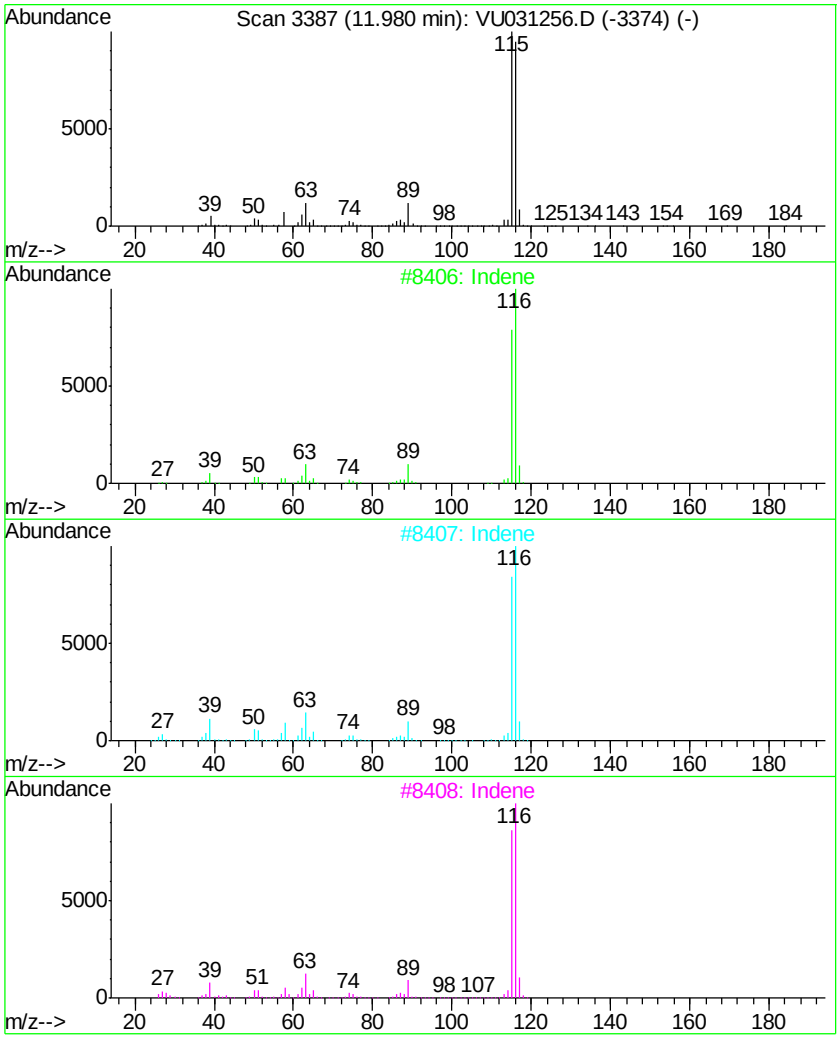
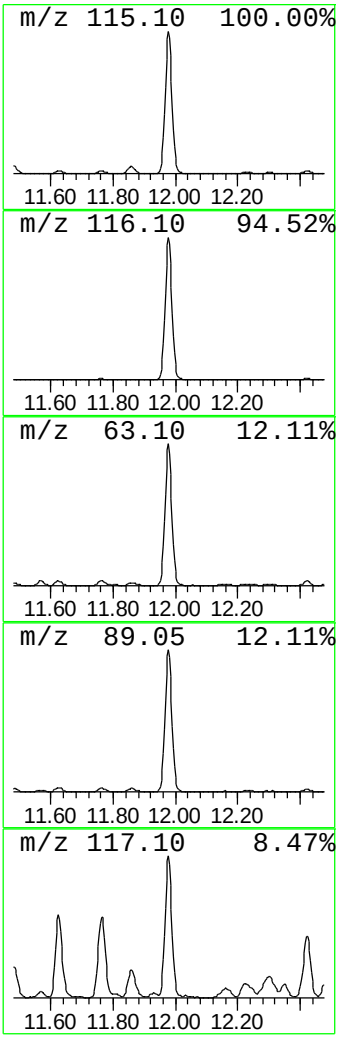
Peak Number 12 Indene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	263.36 ug/L	8696370	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	95
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031256.D
Acq On : 17 Apr 2019 13:43
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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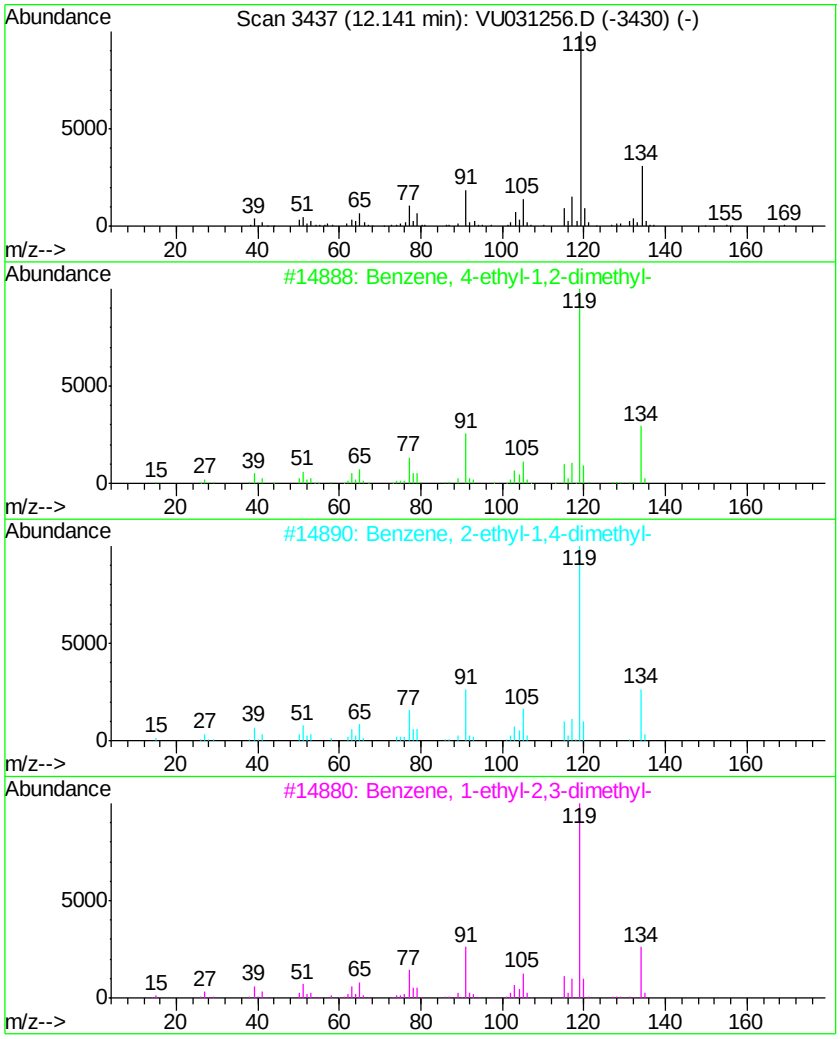
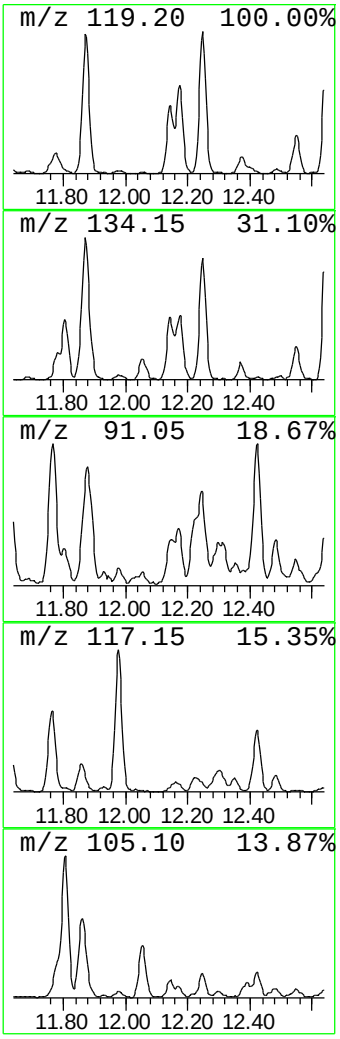
Peak Number 13 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	4.28 ug/L	141391	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	87





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Data File : VU031256.D
Acq On : 17 Apr 2019 13:43
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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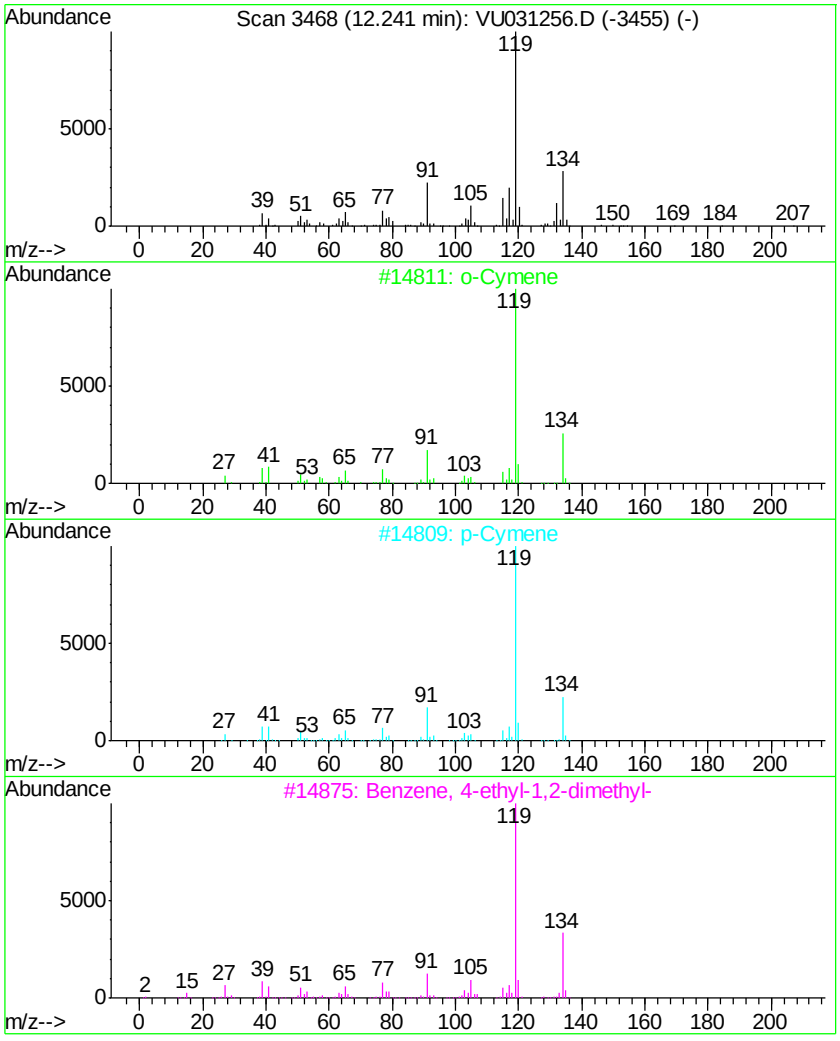
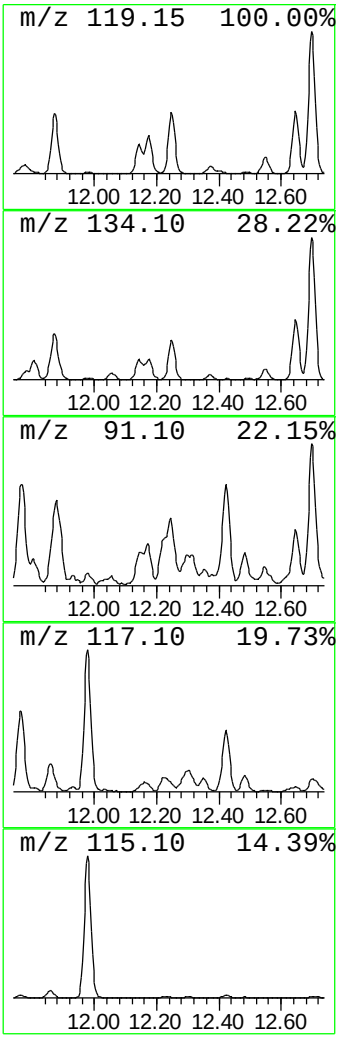
Peak Number 14 o-Cymene Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	12.21 ug/L	403185	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	94
2	p-Cymene	134	C10H14	000099-87-6	93
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	90
4	p-Cymene	134	C10H14	000099-87-6	90
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	90





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Data File : VU031256.D
Acq On : 17 Apr 2019 13:43
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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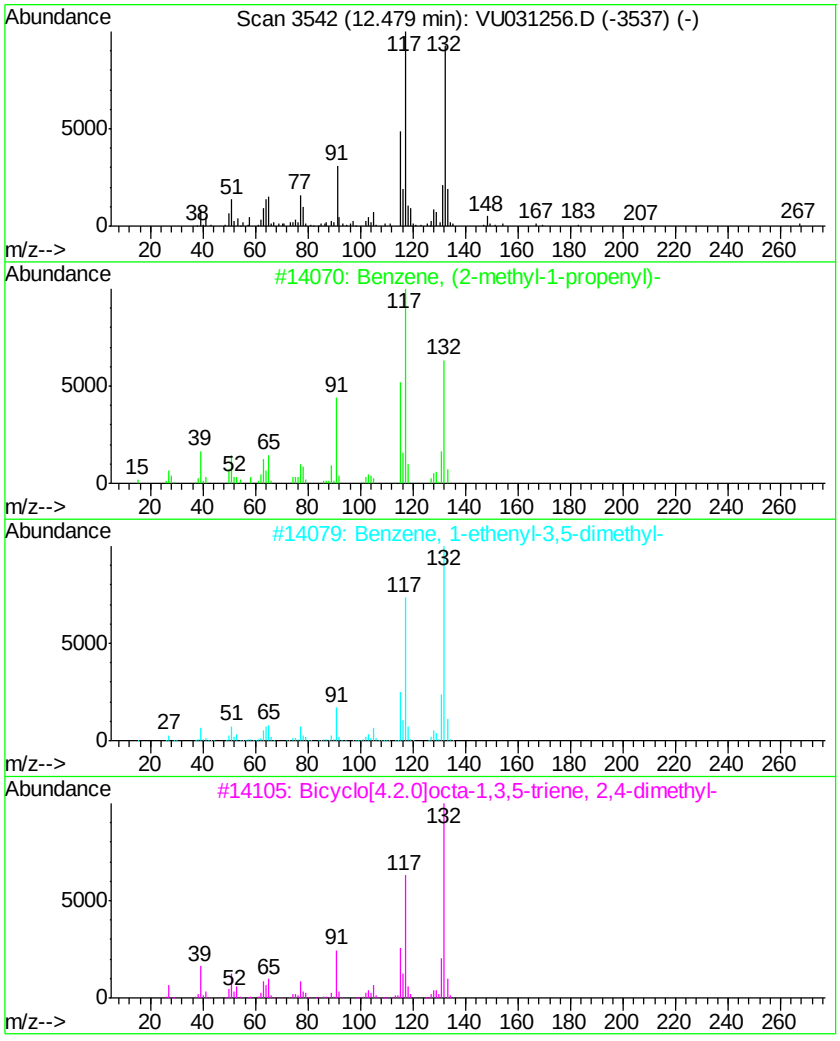
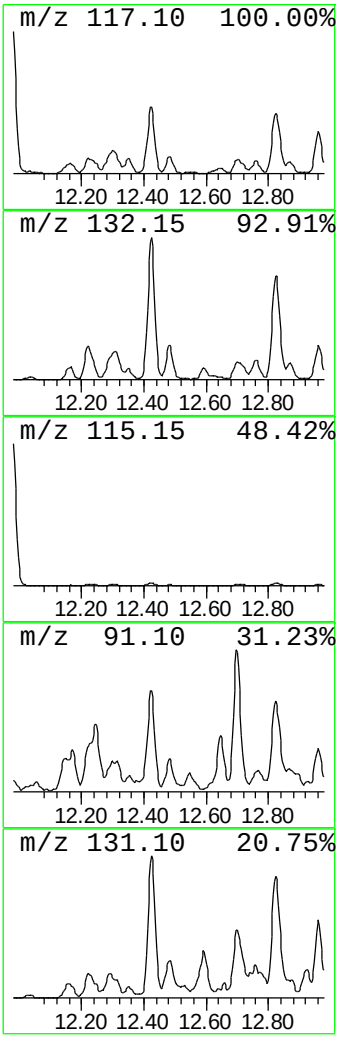
Peak Number 16 Benzene, (2-methyl-1-propen... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	4.68 ug/L	154466	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	93
2	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	93
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	93
4	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	91
5	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	90





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Acq On : 17 Apr 2019 13:43
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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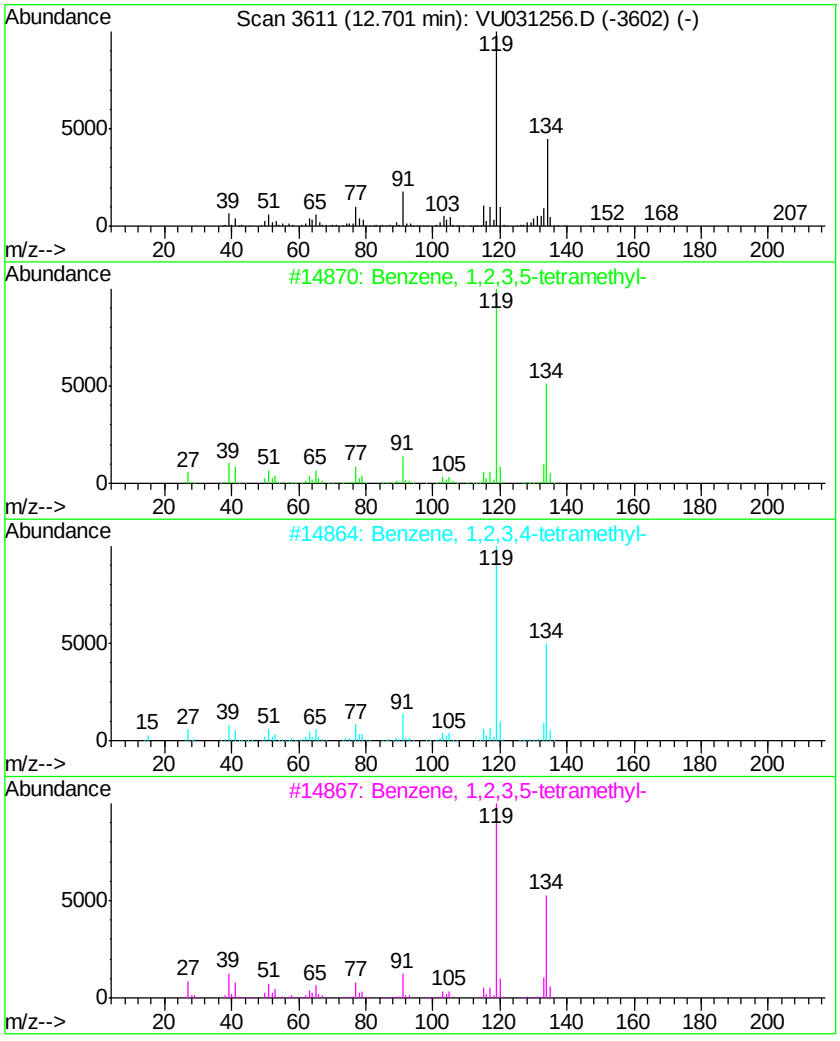
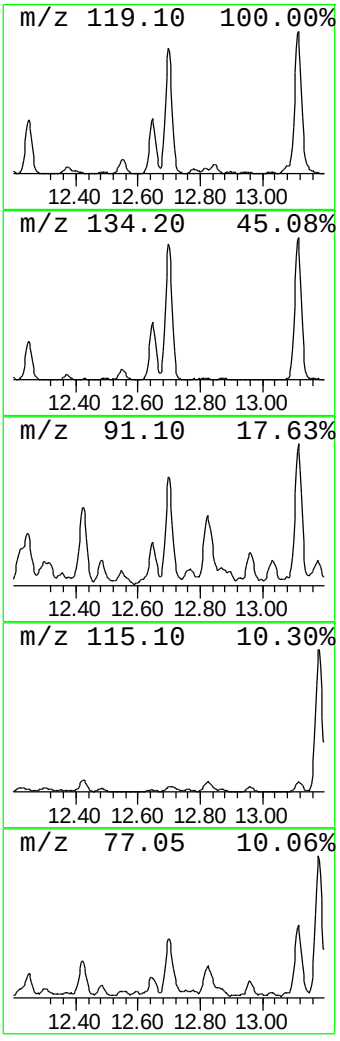
Peak Number 18 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	26.21 ug/L	865379	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	93





Library Search Compound Report

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Data File : VU031256.D
Acq On : 17 Apr 2019 13:43
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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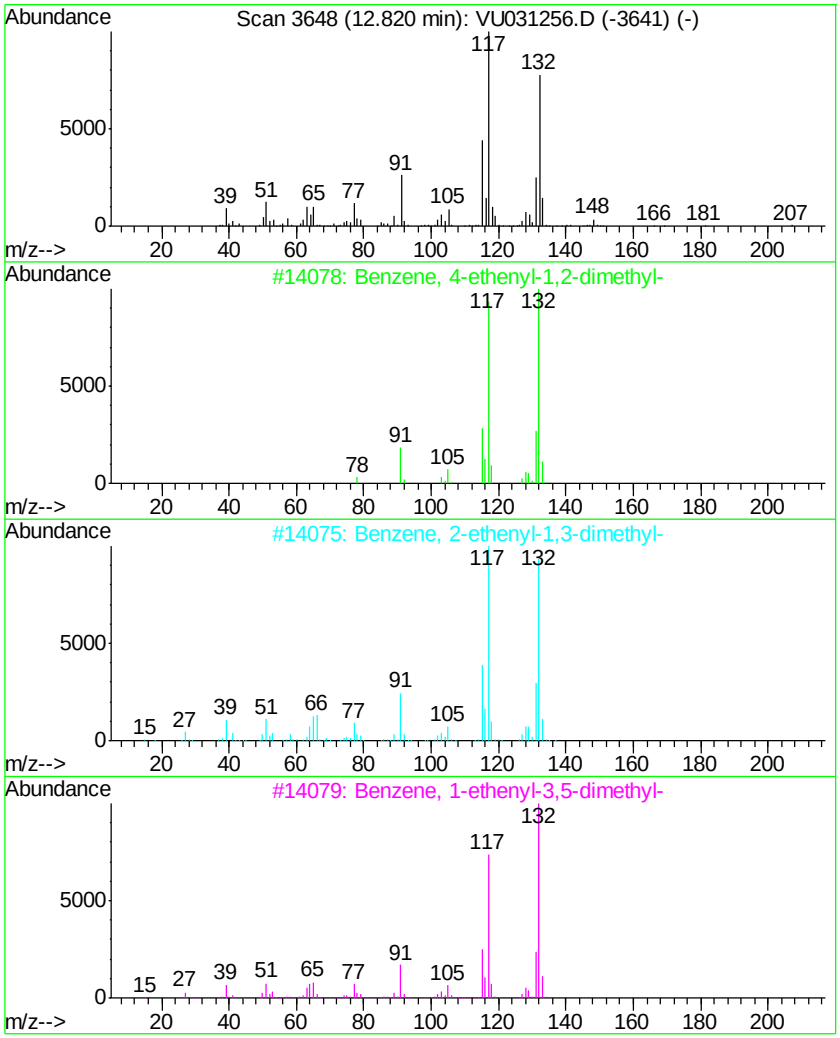
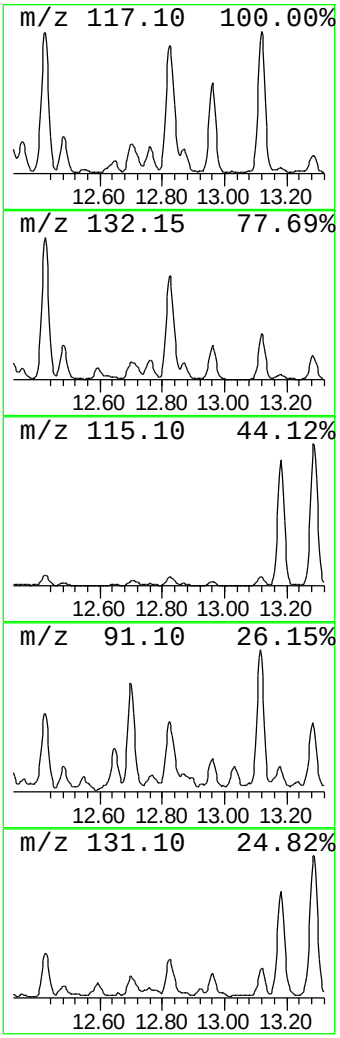
Peak Number 19 Benzene, 4-ethenyl-1,2-dime... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.82	17.02 ug/L	562002	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	97
2	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	96
3	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	96
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	95
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031256.D
Acq On : 17 Apr 2019 13:43
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

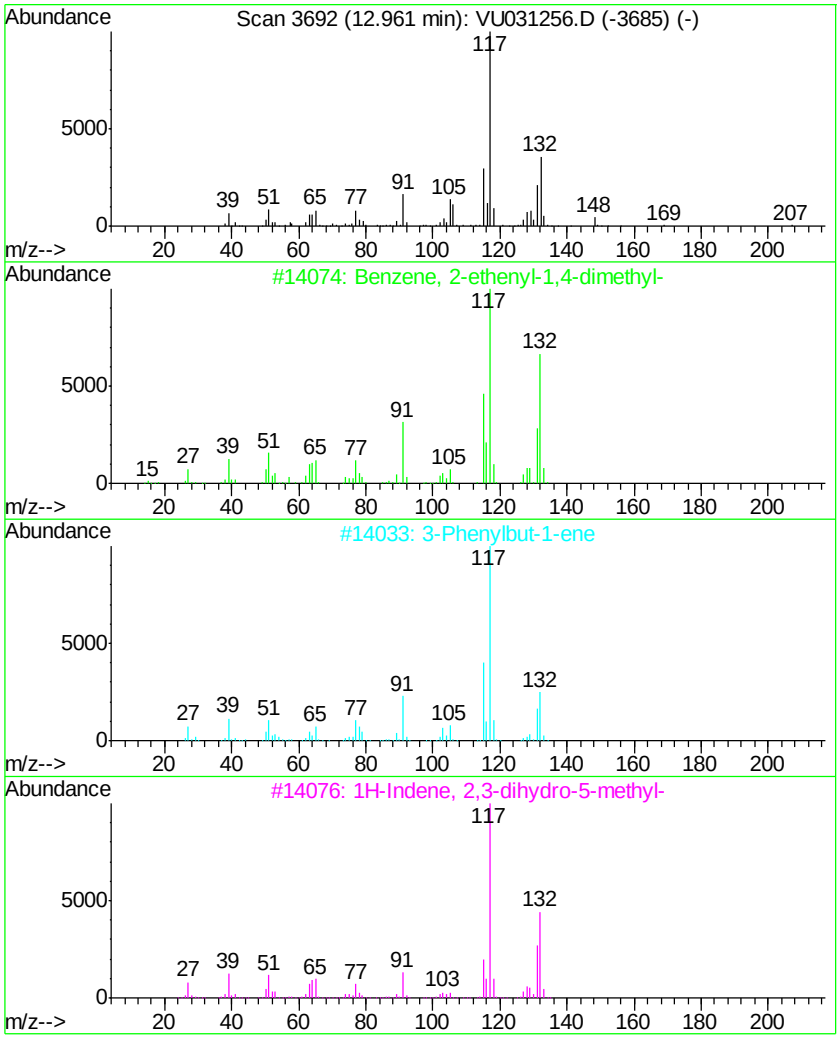
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

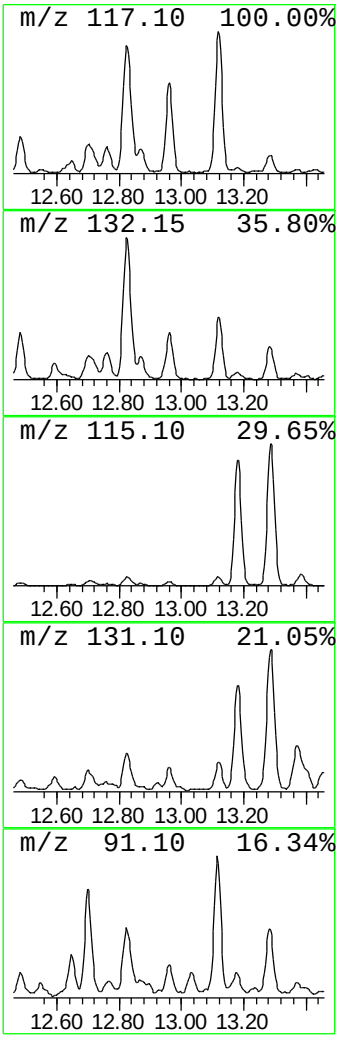
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	8.01 ug/L	264467	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	96
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
5	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	83





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Data File : VU031256.D
Acq On : 17 Apr 2019 13:43
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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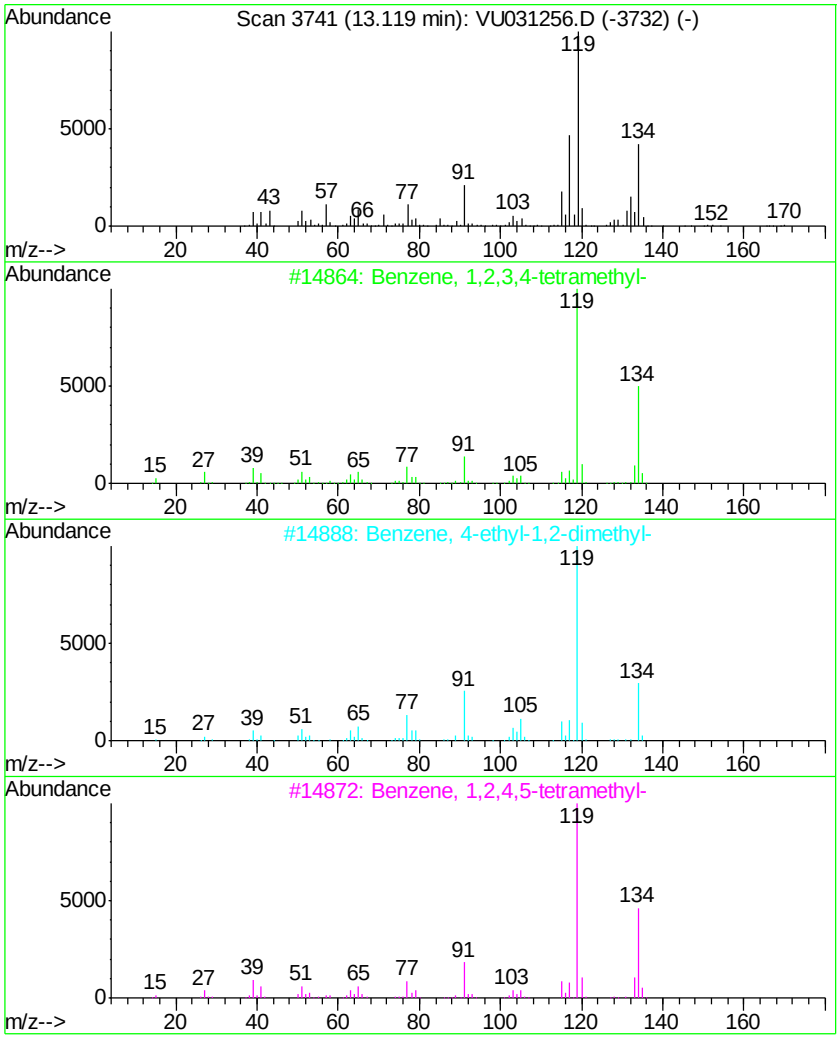
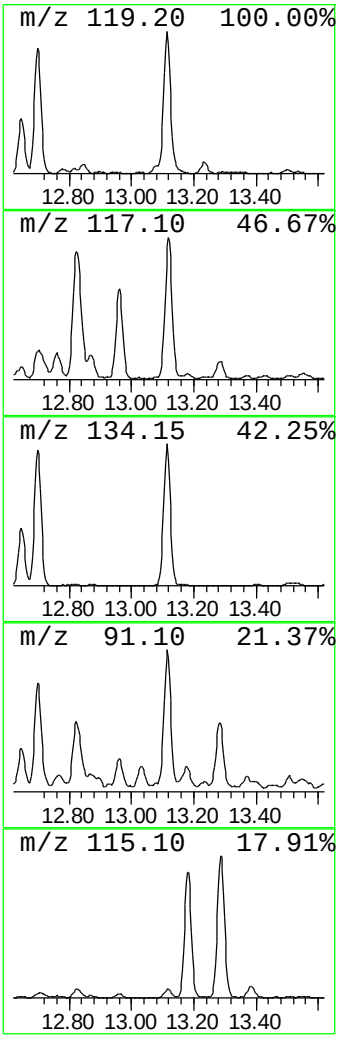
Peak Number 21 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	35.81 ug/L	1182430	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	70
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	70
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	70
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	70
5	o-Cymene	134	C10H14	000527-84-4	70





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031256.D
Acq On : 17 Apr 2019 13:43
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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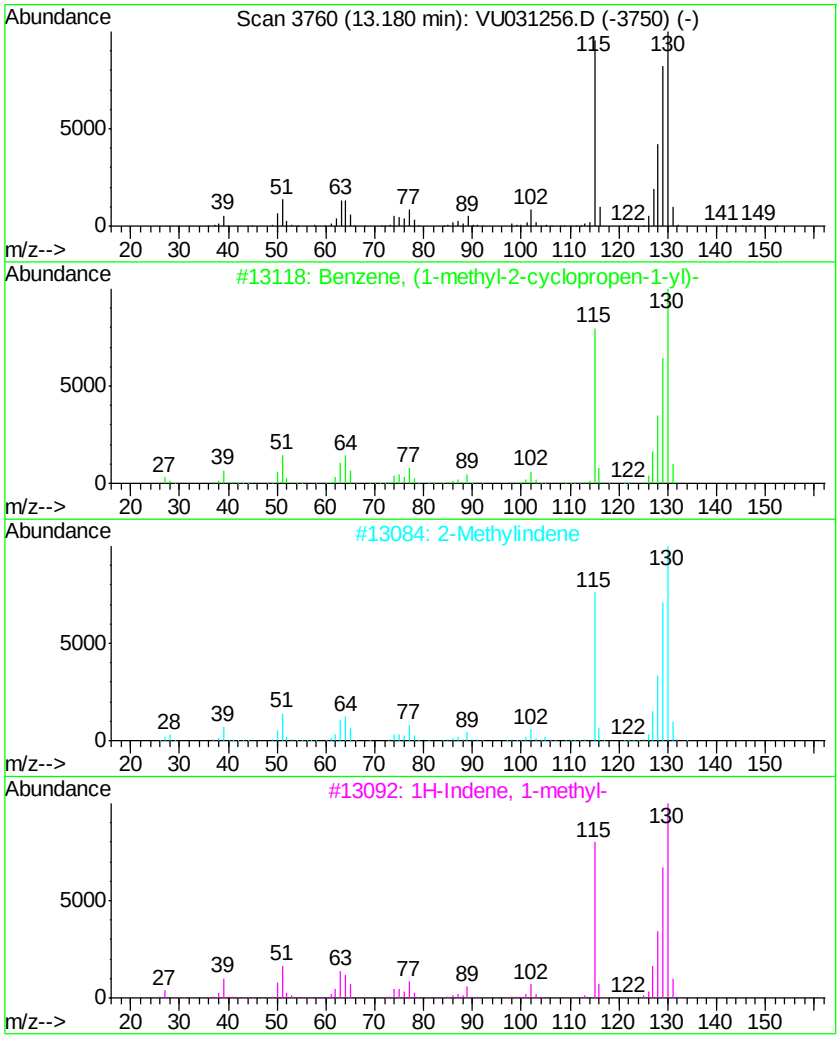
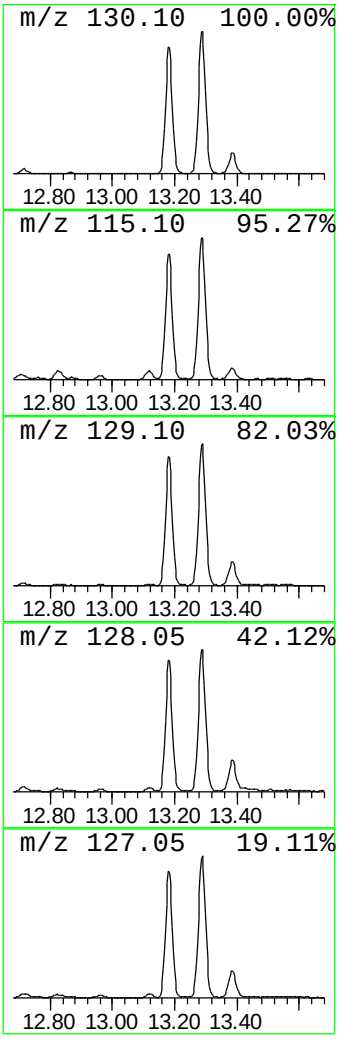
Peak Number 22 Benzene, (1-methyl-2-cyclop... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	104.49 ug/L	3450230	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	Cyclopropa[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	95
5	Benzene, 1-butynyl-	130	C10H10	000622-76-4	94





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Data File : VU031256.D
Acq On : 17 Apr 2019 13:43
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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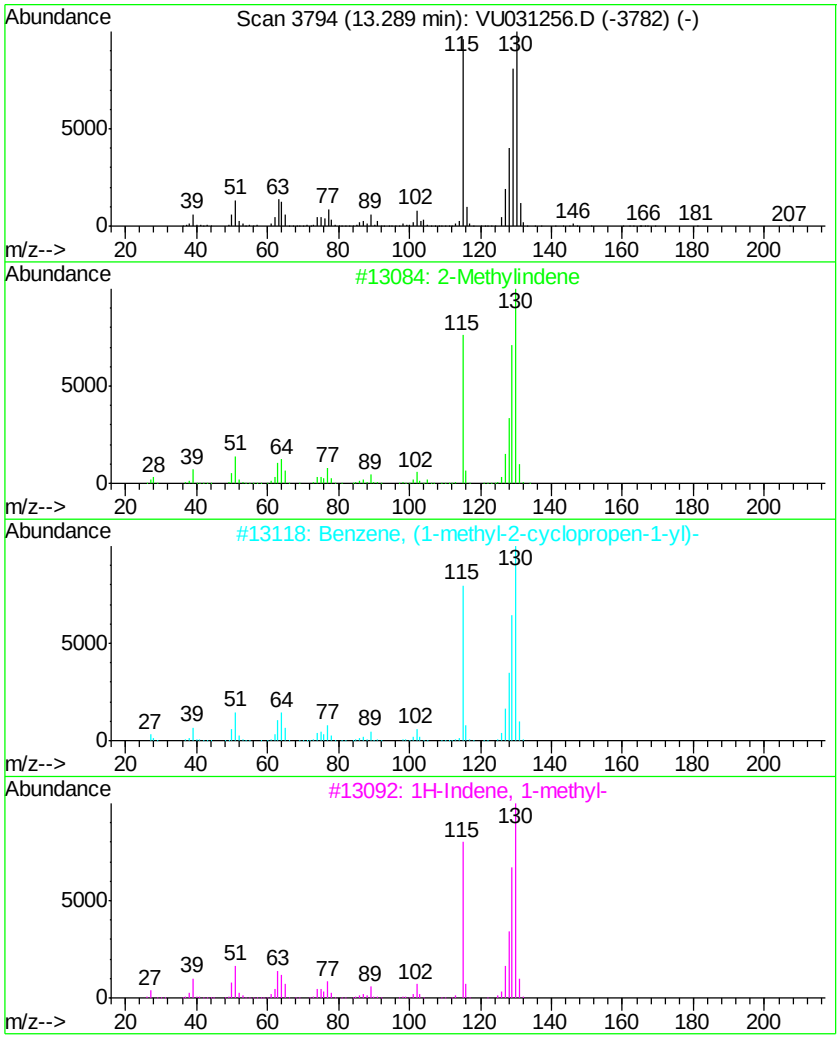
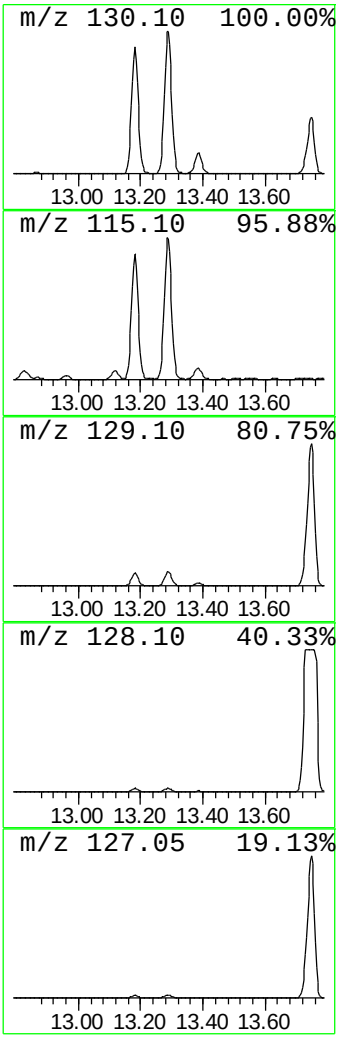
Peak Number 23 2-Methylindene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	130.80 ug/L	4318930	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	96
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
4	Benzene, 1-butynyl-	130	C10H10	000622-76-4	95
5	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031256.D
Acq On : 17 Apr 2019 13:43
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

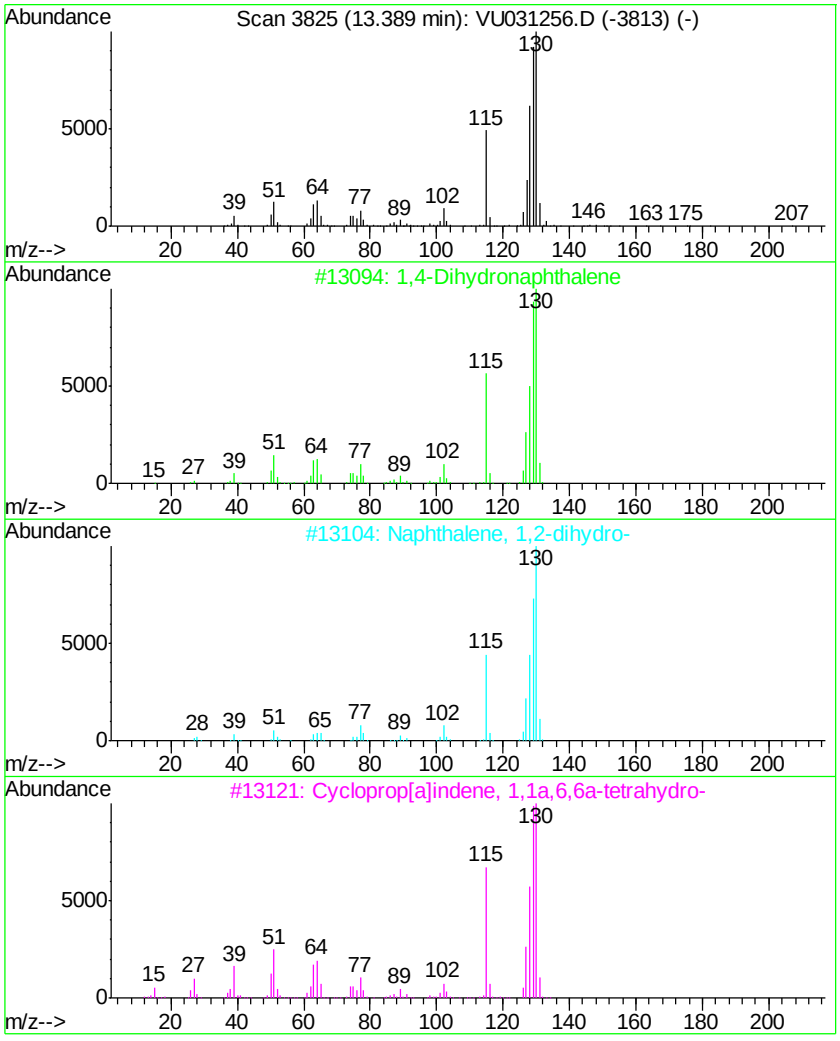
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

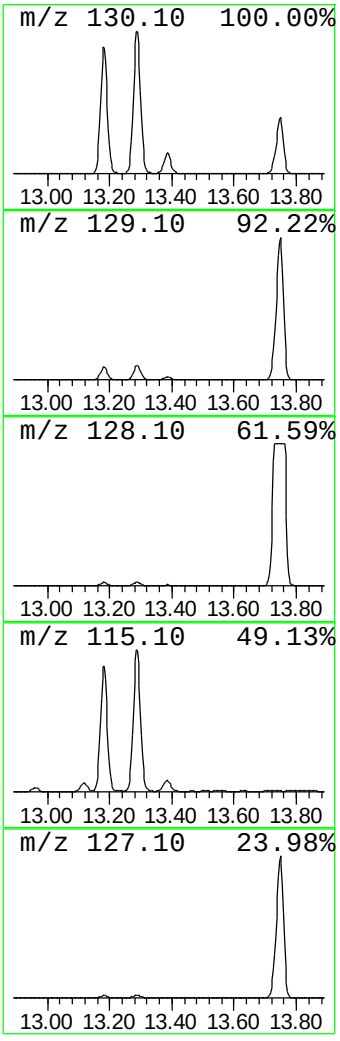
****

Peak Number 24 1,4-Dihydronaphthalene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	20.29 ug/L	669979	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	97
2	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	95
3	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	95
4	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	94
5	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	94





Library Search Compound Report

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Data File : VU031256.D
Acq On : 17 Apr 2019 13:43
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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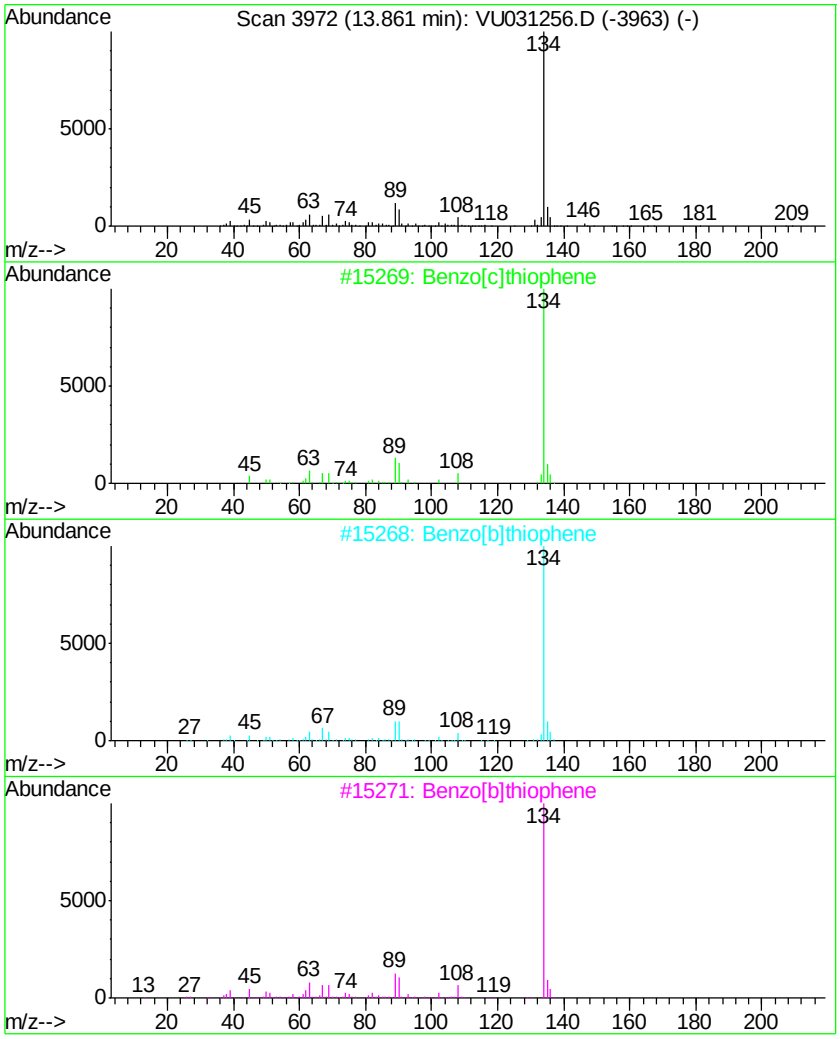
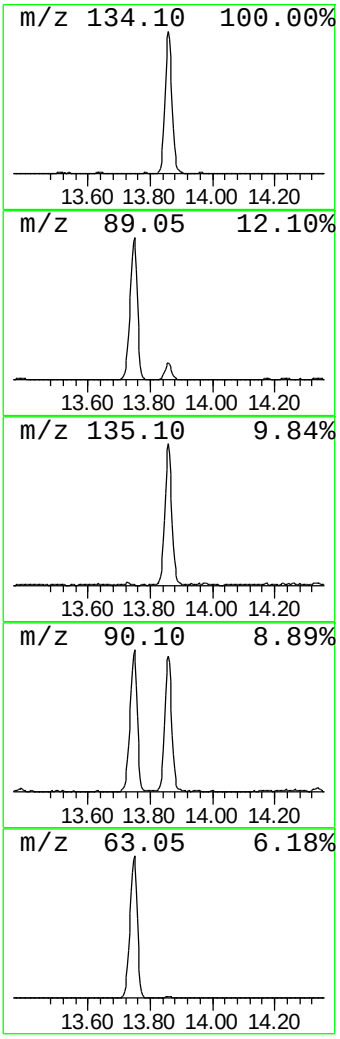
Peak Number 26 Benzo[c]thiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	31.03 ug/L	1024570	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	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
4	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	91





Library Search Compound Report

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Data File : VU031256.D
Acq On : 17 Apr 2019 13:43
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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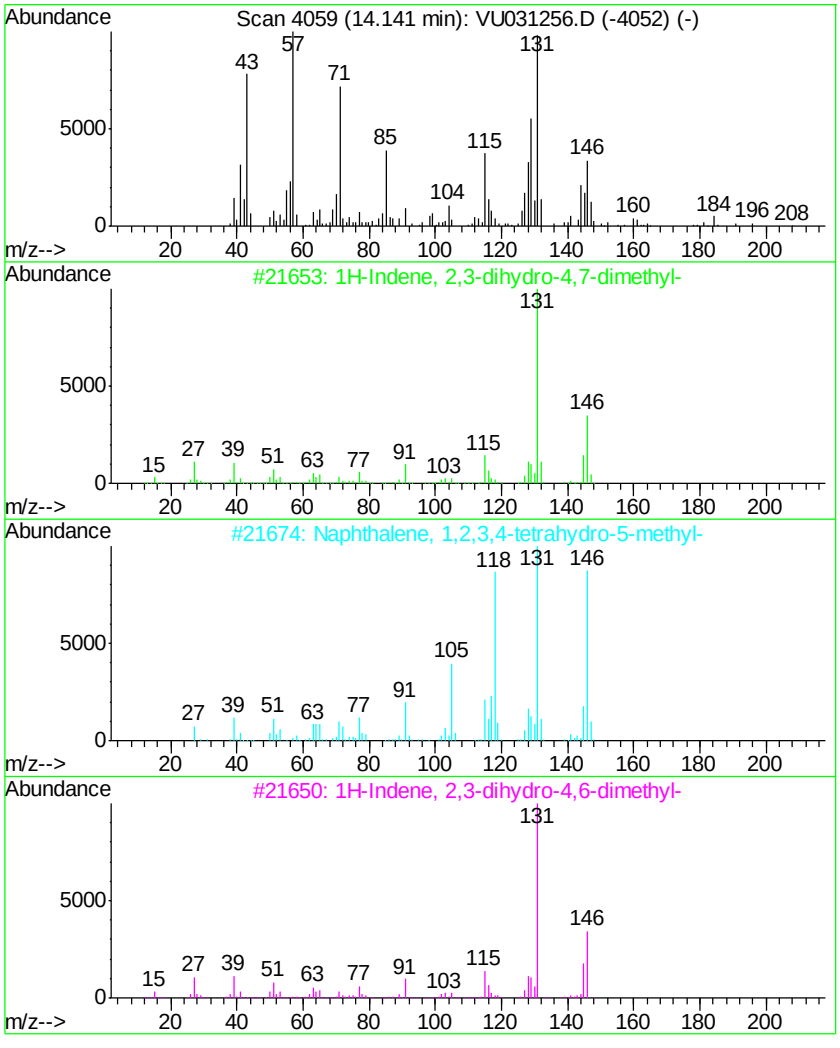
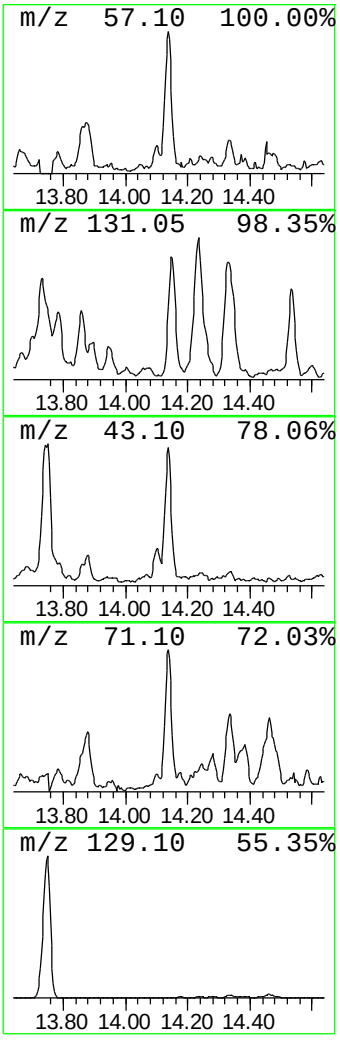
Peak Number 27 unknown-01 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	5.93 ug/L	195651	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	38
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	38
3	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	35
4	Tridecane	184	C13H28	000629-50-5	35
5	Tridecane	184	C13H28	000629-50-5	35





Library Search Compound Report

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Data File : VU031256.D
Acq On : 17 Apr 2019 13:43
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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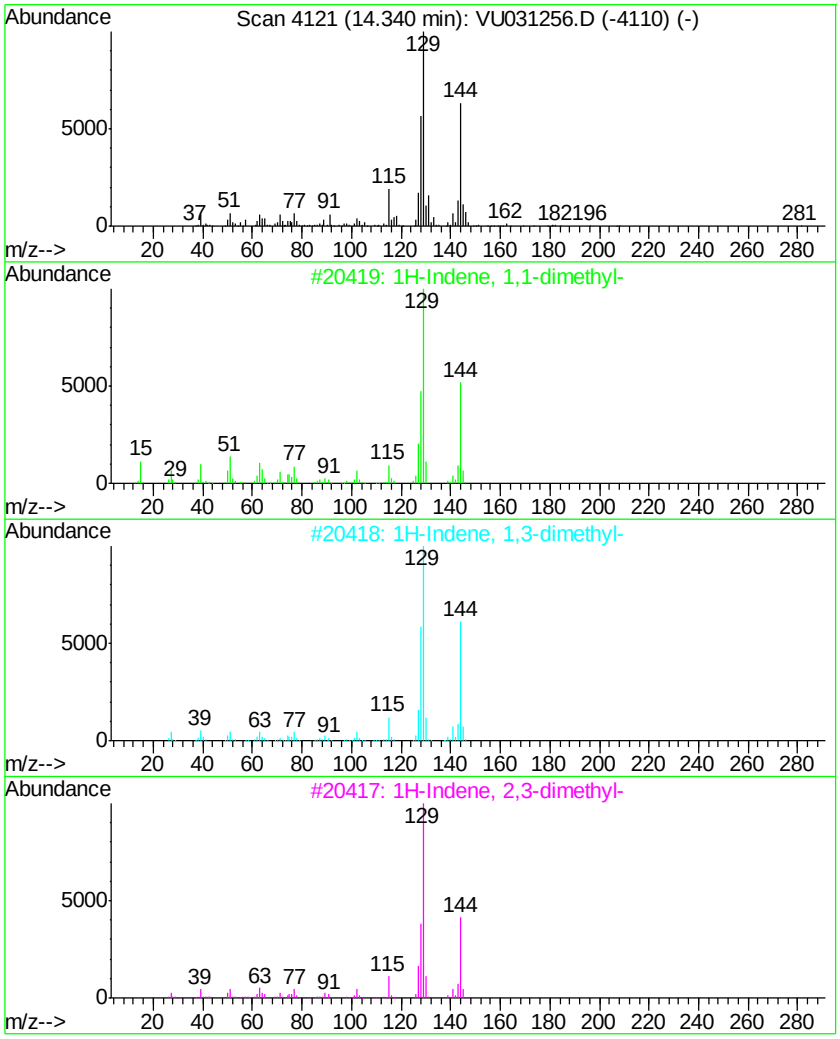
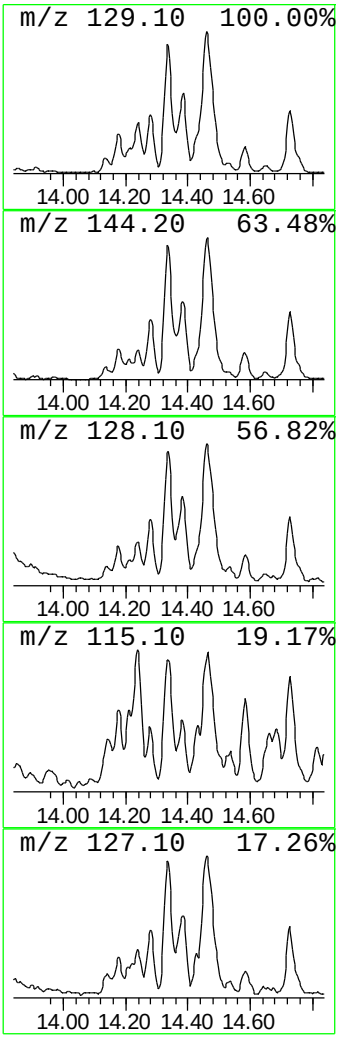
Peak Number 28 1H-Indene, 1,1-dimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	20.75 ug/L	685113	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	94
2	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	94
3	1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	91
4	(1-Methylenebut-2-enyl)benzene	144	C11H12	070588-46-4	87
5	1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	87





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Data File : VU031256.D
Acq On : 17 Apr 2019 13:43
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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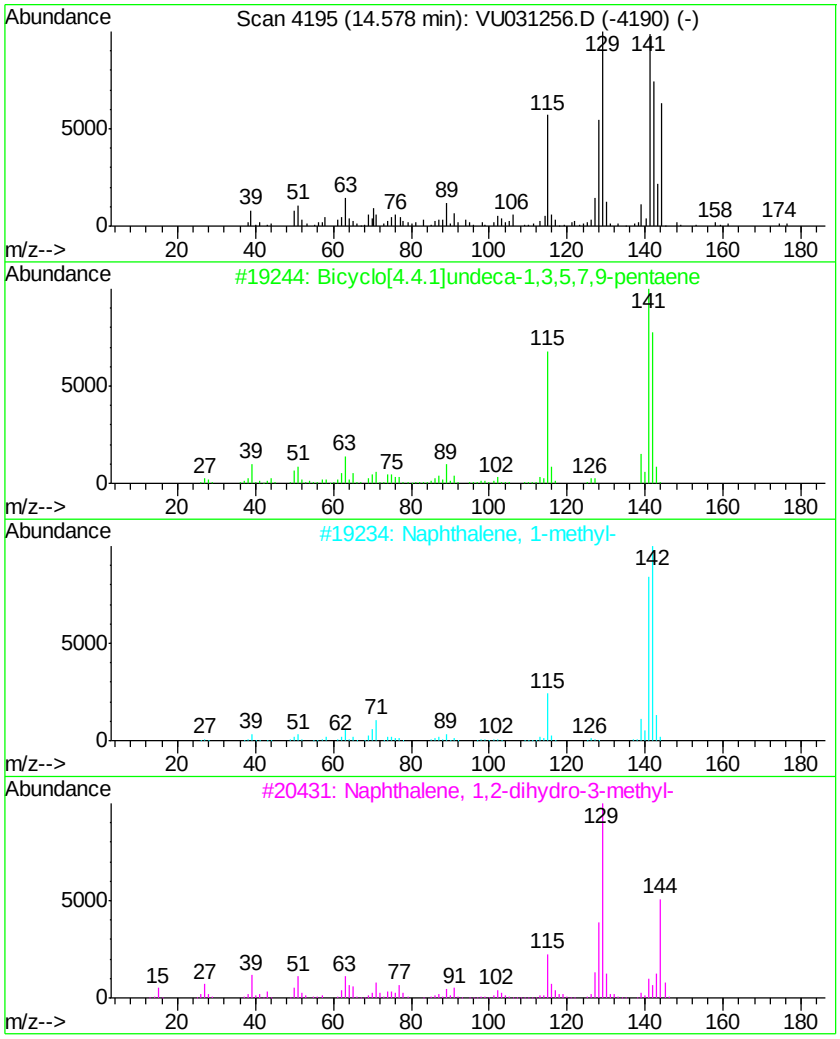
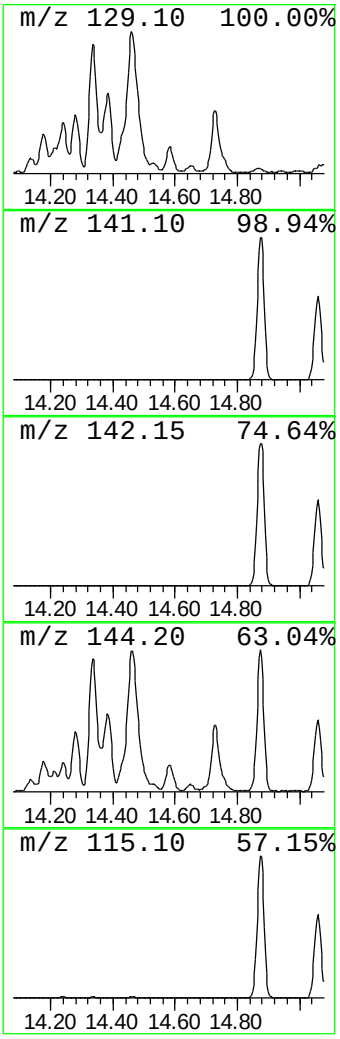
Peak Number 29 Bicyclo[4.4.1]undeca-1,3,5,... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.58	5.77 ug/L	190618	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	90
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	70
3	Naphthalene, 1,2-dihydro-3-methyl-	144	C11H12	002717-44-4	70
4	1H-Indene, 1-ethenyl-2,3-dihydro-	144	C11H12	051783-46-1	64
5	Benzene, 1-cyclopenten-1-yl-	144	C11H12	000825-54-7	60





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Data File : VU031256.D
Acq On : 17 Apr 2019 13:43
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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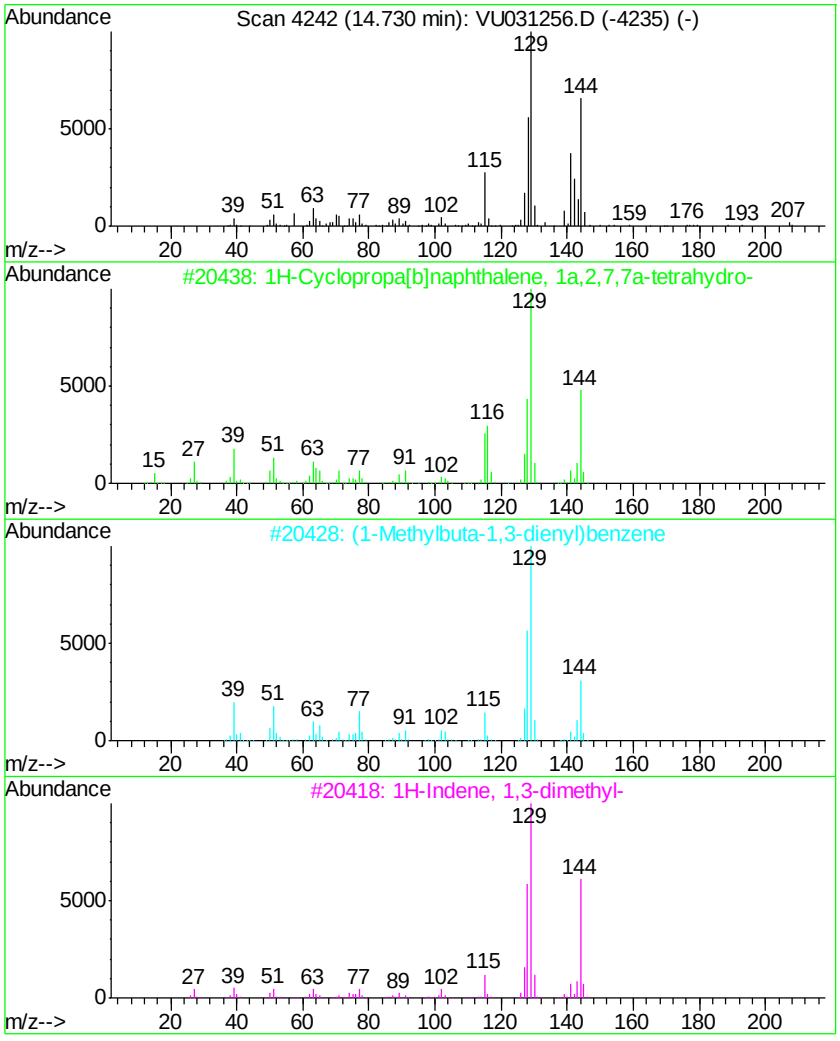
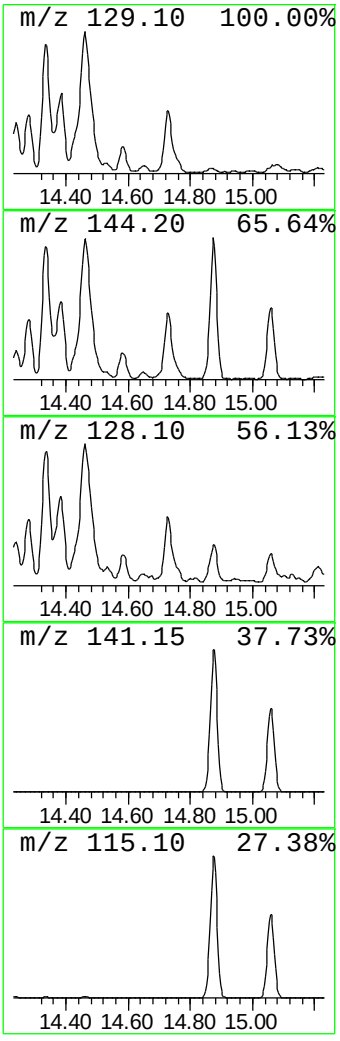
Peak Number 30 1H-Cyclopropa[b]naphthalene... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	11.77 ug/L	388573	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	83
2	(1-Methylbuta-1,3-dienyl)benzene	144	C11H12	054758-36-0	81
3	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	81
4	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	74
5	Naphthalene, 1,2-dihydro-4-methyl-	144	C11H12	004373-13-1	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031256.D
Acq On : 17 Apr 2019 13:43
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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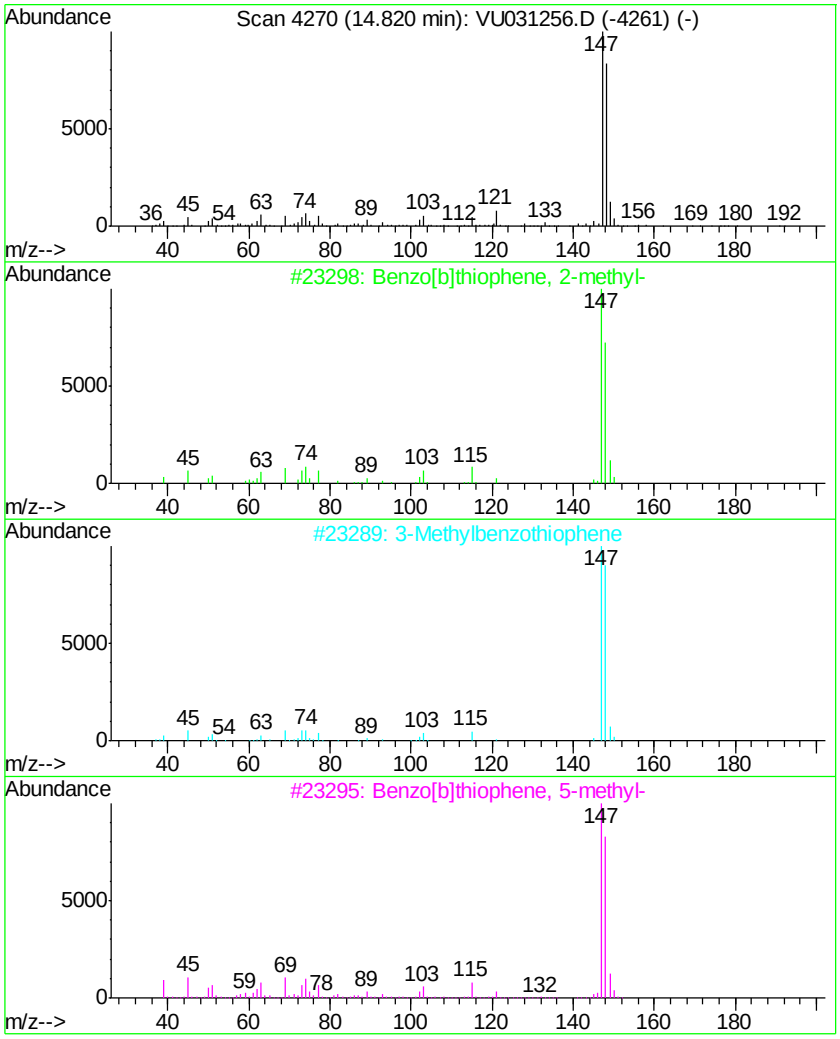
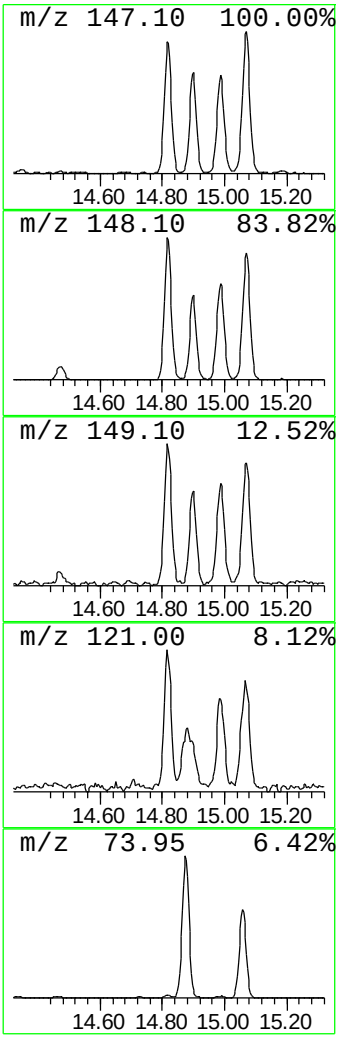
Peak Number 31 Benzo[b]thiophene, 2-methyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	10.76 ug/L	355297	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	91
2	3-Methylbenzothiophene	148	C9H8S	001455-18-1	91
3	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	91
4	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	91
5	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	91





Library Search Compound Report

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Data File : VU031256.D
Acq On : 17 Apr 2019 13:43
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.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 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	828.67 ug/L	27362900	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
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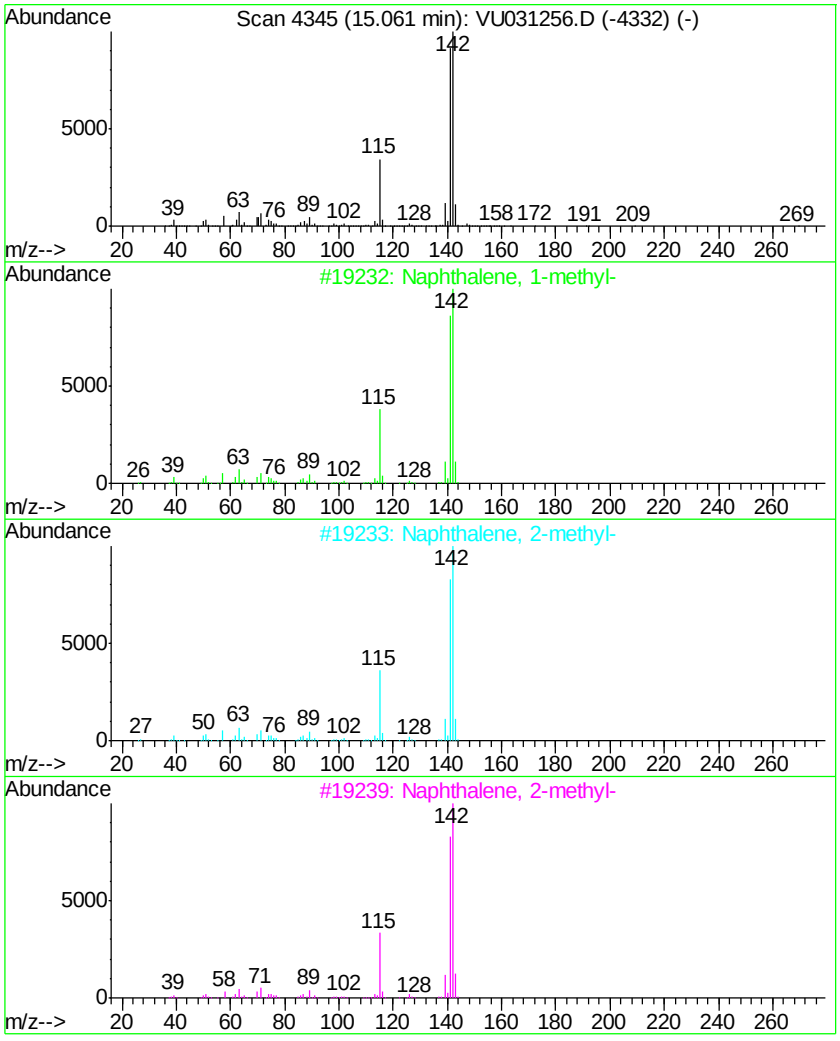
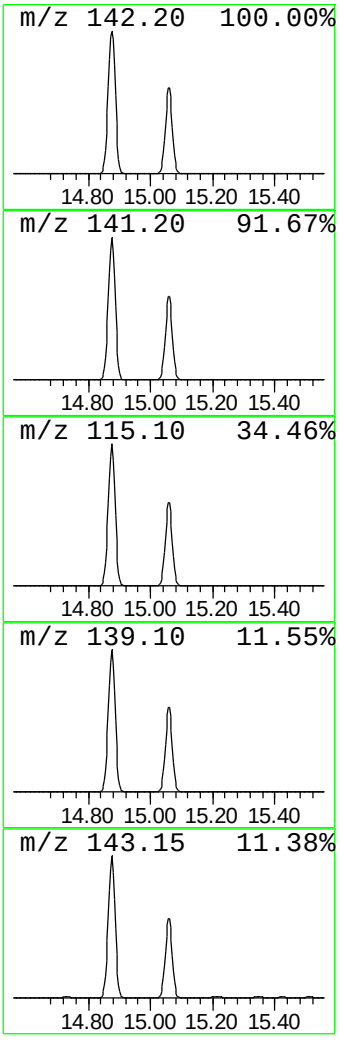
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





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Data File : VU031256.D
Acq On : 17 Apr 2019 13:43
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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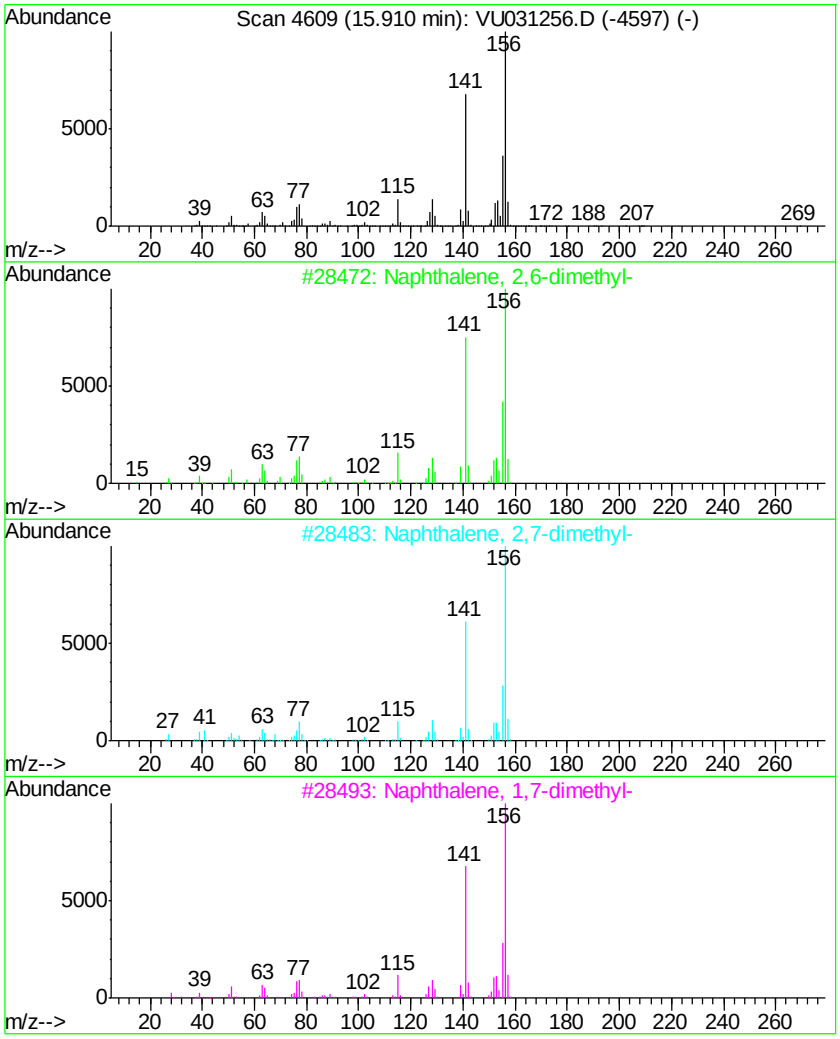
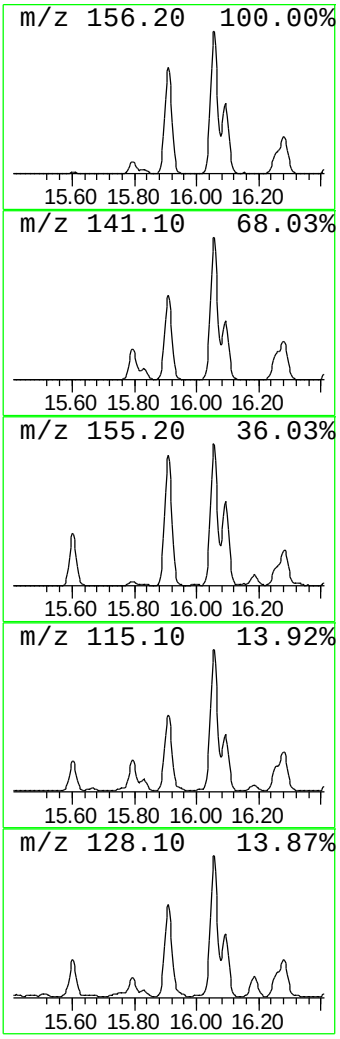
Peak Number 36 Naphthalene, 1,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	193.40 ug/L	6386240	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, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031256.D
Acq On : 17 Apr 2019 13:43
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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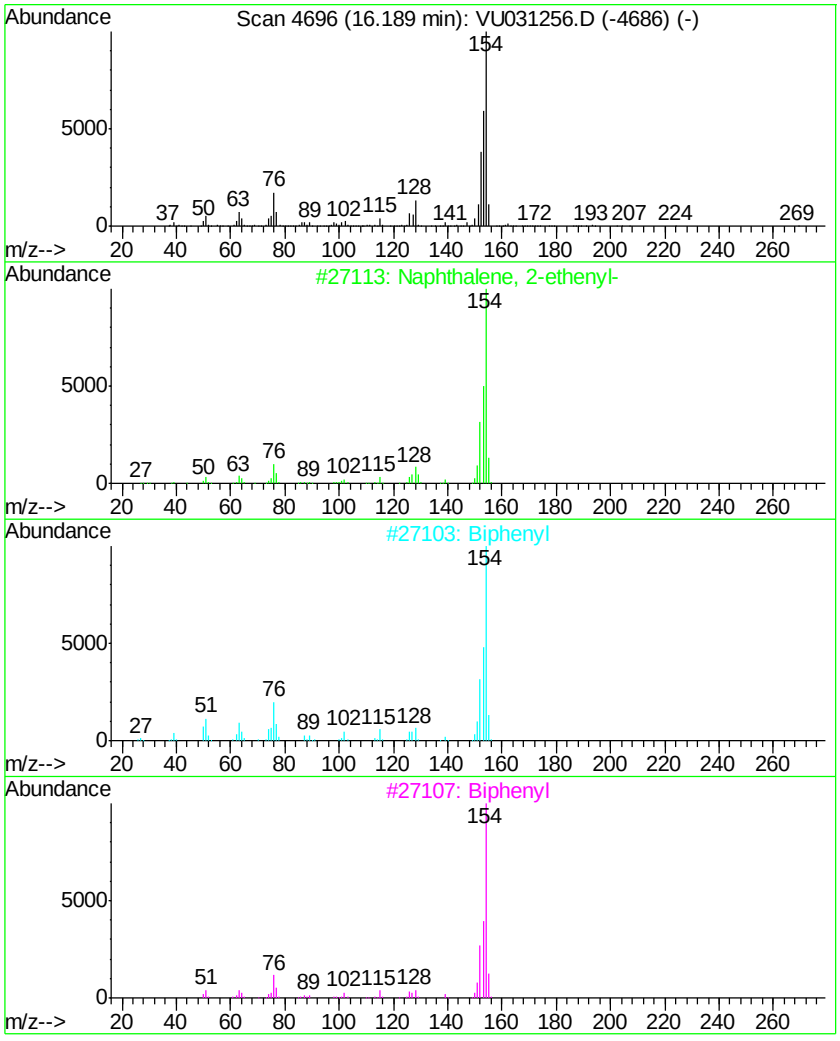
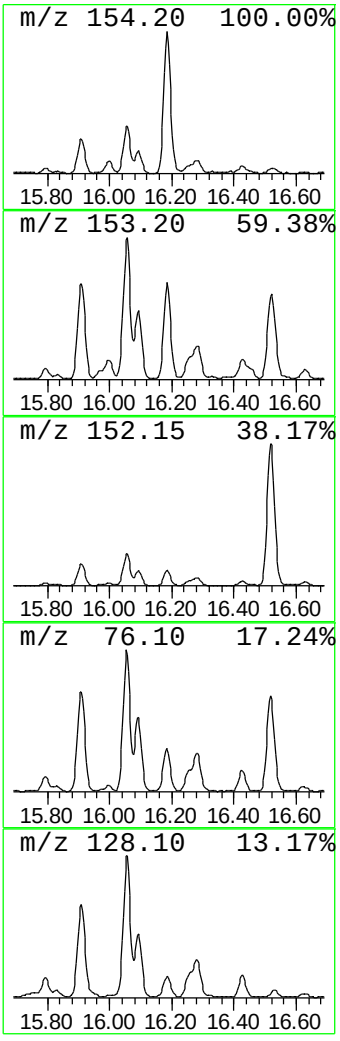
Peak Number 38 Biphenyl Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.19	35.22 ug/L	1162880	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	93
2	Biphenyl	154	C12H10	000092-52-4	93
3	Biphenyl	154	C12H10	000092-52-4	87
4	Acenaphthene	154	C12H10	000083-32-9	81
5	Biphenyl	154	C12H10	000092-52-4	76





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031256.D
Acq On : 17 Apr 2019 13:43
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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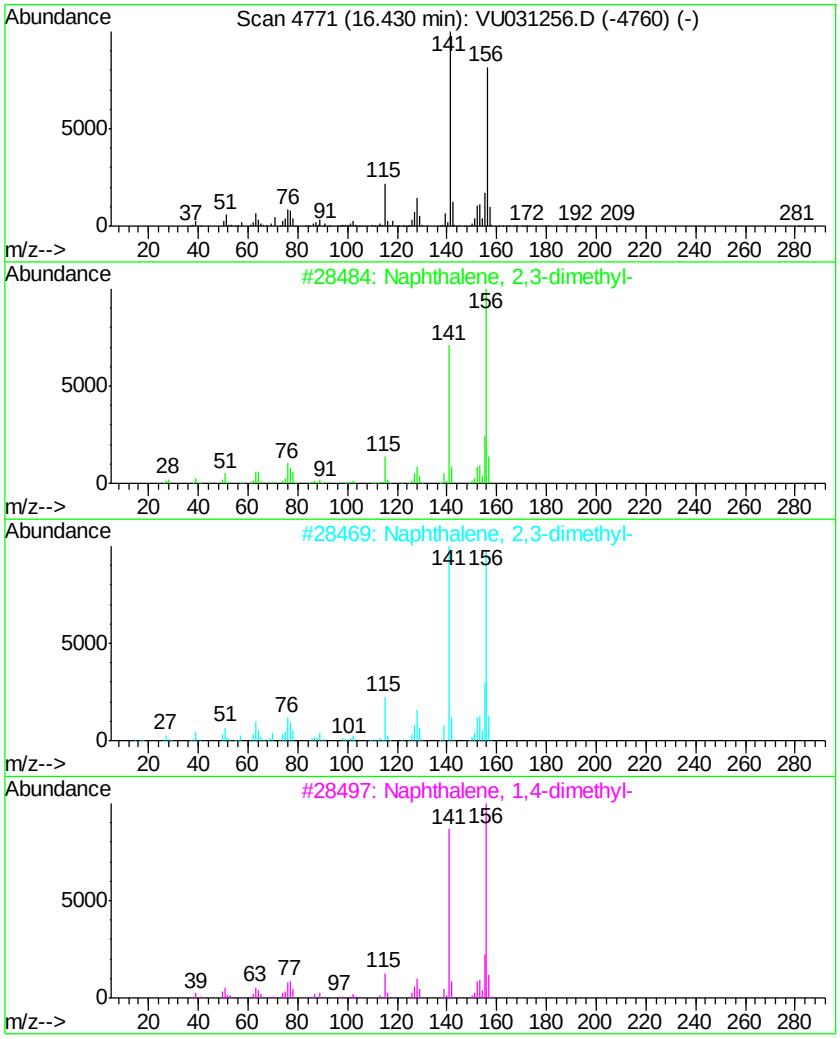
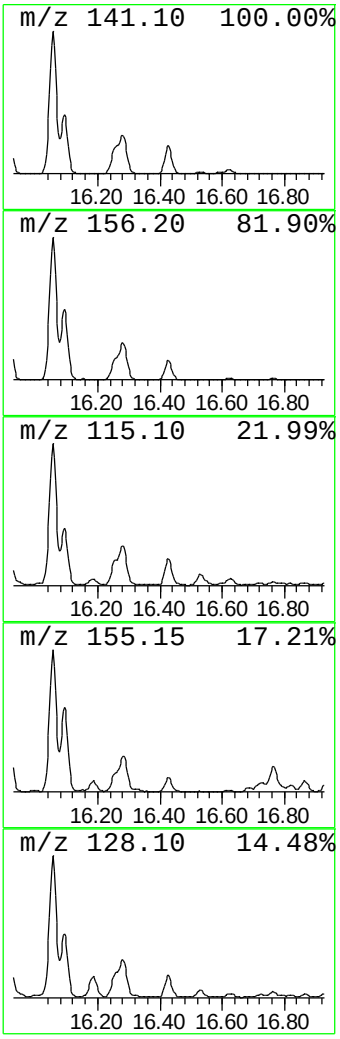
Peak Number 40 Naphthalene, 1,4-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	41.45 ug/L	1368540	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	96
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031256.D
Acq On : 17 Apr 2019 13:43
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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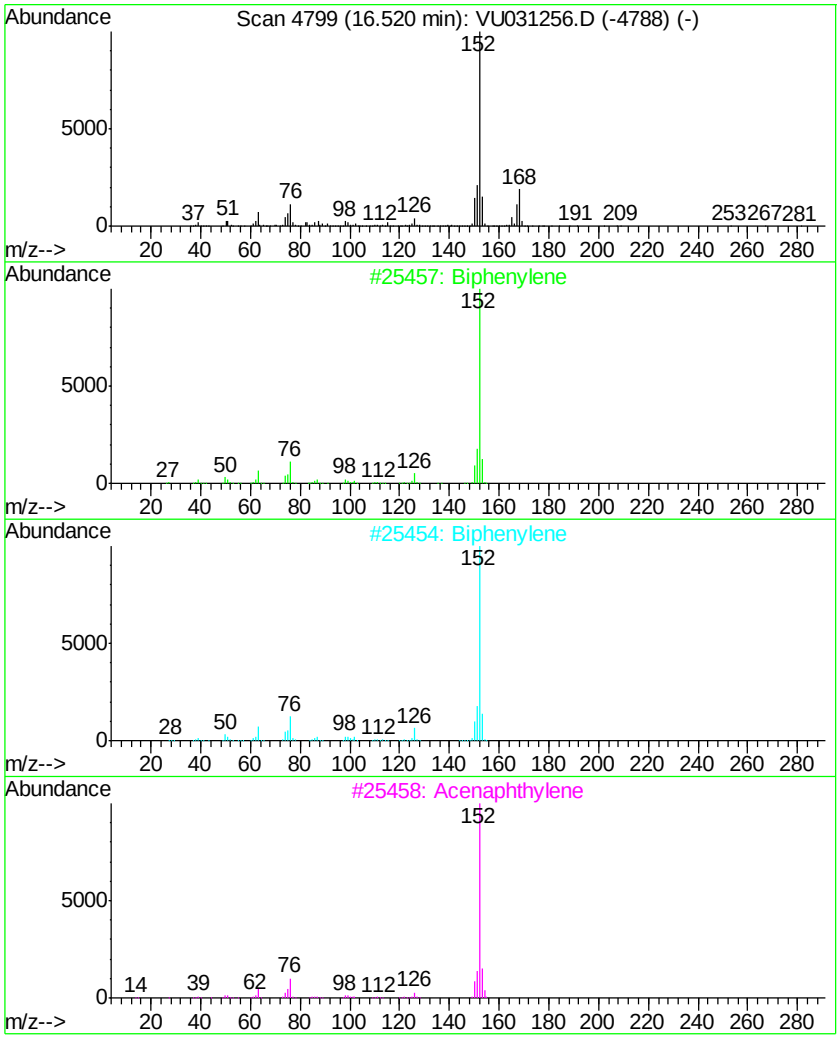
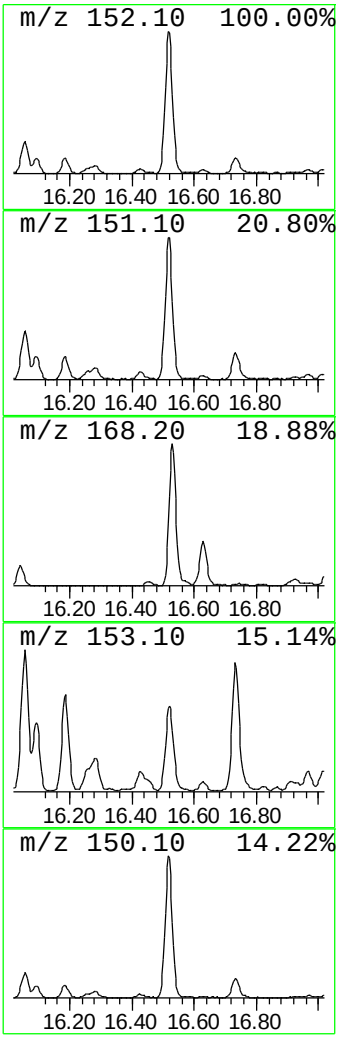
Peak Number 41 Biphenylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.52	108.42 ug/L	3579910	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenylene	152	C12H8	000259-79-0	90
2	Biphenylene	152	C12H8	000259-79-0	81
3	Acenaphthylene	152	C12H8	000208-96-8	76
4	Acenaphthylene	152	C12H8	000208-96-8	70
5	5,6-Dihydro-4-methylthieno(2,3-d...	152	C7H8N2S	092204-06-3	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031256.D
Acq On : 17 Apr 2019 13:43
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.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
Benzene, propyl-	10.59	2.9	ug/L	96272	3	11.48	1651020	50.0
Benzene, 1-ethyl-...	10.68	21.4	ug/L	707842	3	11.48	1651020	50.0
Benzene, 1,2,3-tr...	10.77	23.1	ug/L	764496	3	11.48	1651020	50.0
Benzene, 1-ethyl-...	10.97	6.7	ug/L	220715	3	11.48	1651020	50.0
Benzene, 1-etheny...	11.21	28.6	ug/L	944290	3	11.48	1651020	50.0
Benzene, 1-etheny...	11.26	10.6	ug/L	350321	3	11.48	1651020	50.0
Benzene, 1-propenyl-	11.62	16.9	ug/L	557655	3	11.48	1651020	50.0
Indane	11.76	17.0	ug/L	562618	3	11.48	1651020	50.0
Indene	11.98	263.4	ug/L	8696370	3	11.48	1651020	50.0
Benzene, 4-ethyl-...	12.14	4.3	ug/L	141391	3	11.48	1651020	50.0
o-Cymene	12.24	12.2	ug/L	403185	3	11.48	1651020	50.0
Benzene, (2-methy...	12.48	4.7	ug/L	154466	3	11.48	1651020	50.0
Benzene, 1,2,3,5-...	12.70	26.2	ug/L	865379	3	11.48	1651020	50.0
Benzene, 4-etheny...	12.82	17.0	ug/L	562002	3	11.48	1651020	50.0
Benzene, 2-etheny...	12.96	8.0	ug/L	264467	3	11.48	1651020	50.0
Benzene, 1,2,3,4-...	13.12	35.8	ug/L	1182430	3	11.48	1651020	50.0
Benzene, (1-methy...	13.18	104.5	ug/L	3450230	3	11.48	1651020	50.0
2-Methylindene	13.29	130.8	ug/L	4318930	3	11.48	1651020	50.0
1,4-Dihydronaphth...	13.39	20.3	ug/L	669979	3	11.48	1651020	50.0
Benzo[c]thiophene	13.86	31.0	ug/L	1024570	3	11.48	1651020	50.0
unknown-01	14.14	5.9	ug/L	195651	3	11.48	1651020	50.0
1H-Indene, 1,1-di...	14.34	20.8	ug/L	685113	3	11.48	1651020	50.0
Bicyclo[4.4.1]und...	14.58	5.8	ug/L	190618	3	11.48	1651020	50.0
1H-Cyclopropa[b]n...	14.73	11.8	ug/L	388573	3	11.48	1651020	50.0
Benzo[b]thiophene...	14.82	10.8	ug/L	355297	3	11.48	1651020	50.0
Naphthalene, 1-me...	15.06	828.7	ug/L	27362900	3	11.48	1651020	50.0
Naphthalene, 1,6-...	15.91	193.4	ug/L	6386240	3	11.48	1651020	50.0
Biphenyl	16.19	35.2	ug/L	1162880	3	11.48	1651020	50.0
Naphthalene, 1,4-...	16.43	41.5	ug/L	1368540	3	11.48	1651020	50.0
Biphenylene	16.52	108.4	ug/L	3579910	3	11.48	1651020	50.0