LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041719\
Data File : VU031261.D
Acq On : 17 Apr 2019 15:50
Operator : JC/SP
Sample : K2455-02 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ4

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	36	rVB	17480	18266	0.01%	0.003%
2	1.396	88	95	110	rVB	241249	273517	0.12%	0.038%
3	1.679	175	183	195	rBV	213282	286399	0.12%	0.040%
4	2.264	354	365	378	rVB	436384	675601	0.29%	0.093%
5	2.534	438	449	454	rBV6	4909	7158	0.00%	0.001%
6	2.605	468	471	474	rBV3	930	736	0.00%	0.000%
7	2.698	487	500	503	rBV8	4009	6434	0.00%	0.001%
8	3.293	678	685	687	rBV4	875	892	0.00%	0.000%
9	3.379	706	712	718	rBV3	1030	1023	0.00%	0.000%
10	3.441	727	731	737	rVB3	697	663	0.00%	0.000%
11	3.659	796	799	805	rVB3	789	746	0.00%	0.000%
12	3.691	805	809	812	rBV2	1131	842	0.00%	0.000%
13	4.196	953	966	1012	rBV	144869	570503	0.24%	0.079%
14	4.643	1088	1105	1135	rVV2	326131	800707	0.34%	0.110%
15	4.923	1190	1192	1197	rVB3	1717	1095	0.00%	0.000%
16	4.945	1197	1199	1202	rBV3	1170	936	0.00%	0.000%
17	5.132	1254	1257	1260	rBV2	942	713	0.00%	0.000%
18	5.331	1296	1319	1346	rBV2	675135	2038709	0.86%	0.281%
19	5.662	1419	1422	1428	rBV6	1141	1126	0.00%	0.000%
20	5.694	1428	1432	1435	rBV3	810	692	0.00%	0.000%
21	5.765	1451	1454	1460	rVB3	888	809	0.00%	0.000%
22	5.801	1460	1465	1467	rBV3	795	654	0.00%	0.000%
23	5.881	1474	1490	1525	rBV	701693	1441129	0.61%	0.199%
24	6.125	1561	1566	1570	rVB3	638	735	0.00%	0.000%
25	6.177	1574	1582	1586	rBV8	3330	5554	0.00%	0.001%
26	6.260	1604	1608	1614	rBV5	1189	1367	0.00%	0.000%
27	6.325	1614	1628	1654	rBV	416658	864459	0.37%	0.119%
28	6.524	1686	1690	1694	rVB3	987	697	0.00%	0.000%
29	6.556	1694	1700	1701	rBV3	854	726	0.00%	0.000%
30	6.637	1721	1725	1727	rBV3	1096	852	0.00%	0.000%
31	6.704	1742	1746	1751	rBV3	936	974	0.00%	0.000%
32	6.894	1796	1805	1808	rBV3	1022	1408	0.00%	0.000%
33	7.016	1838	1843	1845	rBV3	899	730	0.00%	0.000%
34	7.164	1885	1889	1894	rVB5	1178	1166	0.00%	0.000%

LSC Area Percent Report

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Acq On : 17 Apr 2019 15:50
Operator : JC/SP
Sample : K2455-02 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ4

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	7.225	1894	1908	1936	rBV	251419	474219	0.20%	0.065%
36	7.383	1955	1957	1961	rVB2	1185	796	0.00%	0.000%
37	7.563	1999	2013	2038	rBV	843550	1582848	0.67%	0.218%
38	7.849	2092	2102	2123	rBV	165390	308495	0.13%	0.043%
39	8.071	2168	2171	2178	rBV4	873	651	0.00%	0.000%
40	8.125	2181	2188	2190	rBV4	714	795	0.00%	0.000%
41	8.173	2198	2203	2206	rBV3	1625	1616	0.00%	0.000%
42	8.318	2236	2248	2280	rBV	594513	1178165	0.50%	0.163%
43	8.768	2384	2388	2389	rBV3	1382	981	0.00%	0.000%
44	9.022	2465	2467	2473	rVB4	1160	973	0.00%	0.000%
45	9.087	2474	2487	2511	rBV	1047367	1826924	0.77%	0.252%
46	9.251	2528	2538	2549	rBV2	25499	44272	0.02%	0.006%
47	9.373	2563	2576	2595	rBV	252176	446210	0.19%	0.062%
48	9.620	2650	2653	2656	rBV2	747	705	0.00%	0.000%
49	9.788	2684	2705	2738	rBV3	615986	1339695	0.57%	0.185%
50	10.112	2801	2806	2808	rBV3	1025	905	0.00%	0.000%
51	10.164	2815	2822	2831	rBV7	7983	12759	0.01%	0.002%
52	10.247	2844	2848	2852	rBV6	1355	1475	0.00%	0.000%
53	10.431	2893	2905	2920	rBV	618897	997063	0.42%	0.138%
54	10.508	2920	2929	2942	rVB	65269	106609	0.05%	0.015%
55	10.585	2943	2953	2969	rVB	108130	178848	0.08%	0.025%
56	10.678	2969	2982	2999	rBV	757141	1620537	0.68%	0.224%
57	10.768	2999	3010	3021	rBV	1295786	2020572	0.85%	0.279%
58	10.971	3062	3073	3075	rBV	382975	522871	0.22%	0.072%
59	11.144	3109	3127	3138	rBV	5372670	8444779	3.57%	1.165%
60	11.212	3138	3148	3157	rVV	6055932	9061419	3.83%	1.250%
61	11.260	3157	3163	3177	rVB	2034500	3062945	1.29%	0.423%
62	11.424	3200	3214	3221	rBV2	93274	208585	0.09%	0.029%
63	11.482	3222	3232	3242	rBV	1260658	1960126	0.83%	0.270%
64	11.566	3249	3258	3268	rBV	2196571	3312480	1.40%	0.457%
65	11.624	3268	3276	3292	rVB	918948	1389821	0.59%	0.192%
66	11.762	3308	3319	3328	rBV2	1246356	2258868	0.95%	0.312%
67	11.865	3340	3351	3365	rVB4	1685244	3436903	1.45%	0.474%
68	11.977	3375	3386	3396	rBV	17462420	27267928	11.52%	3.763%
69	12.144	3429	3438	3441	rBV2	603104	864382	0.37%	0.119%
70	12.218	3454	3461	3464	rBV	769603	986247	0.42%	0.136%
71	12.302	3478	3487	3497	rVB	993634	1793510	0.76%	0.247%

LSC Area Percent Report

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Acq On : 17 Apr 2019 15:50
Operator : JC/SP
Sample : K2455-02 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ4

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	12.421	3515	3524	3535	rVB	3686547	5746877	2.43%	0.793%
73	12.482	3535	3543	3556	rVB2	862847	1311415	0.55%	0.181%
74	12.646	3586	3594	3602	rVB	1284550	1812412	0.77%	0.250%
75	12.701	3602	3611	3623	rBV3	2739968	5124548	2.17%	0.707%
76	12.820	3640	3648	3672	rVB2	2648603	5033552	2.13%	0.695%
77	12.961	3684	3692	3705	rVB	992467	1464369	0.62%	0.202%
78	13.032	3708	3714	3722	rVB2	205947	281920	0.12%	0.039%
79	13.119	3724	3741	3751	rVV3	4177861	7685676	3.25%	1.061%
80	13.183	3752	3761	3772	rVB	6456778	9771123	4.13%	1.348%
81	13.289	3783	3794	3811	rVB	10284698	16793110	7.10%	2.317%
82	13.379	3814	3822	3838	rVB5	1083991	2295820	0.97%	0.317%
83	13.765	3923	3942	3961	rVV4	110782252	236667611	100.00%	32.658%
84	13.861	3965	3972	3986	rVB	2041921	3327096	1.41%	0.459%
85	14.141	4051	4059	4066	rBV2	1362799	2096387	0.89%	0.289%
86	14.337	4110	4120	4129	rBV3	1470634	2736083	1.16%	0.378%
87	14.585	4192	4197	4212	rVB2	402753	748741	0.32%	0.103%
88	14.733	4237	4243	4259	rVB2	601815	1068207	0.45%	0.147%
89	14.820	4262	4270	4276	rVV	1123940	1714916	0.72%	0.237%
90	14.893	4276	4293	4314	rVB3	101842997	209617386	88.57%	28.926%
91	15.070	4334	4348	4379	rVB2	61617190	102039661	43.12%	14.081%
92	15.601	4504	4513	4523	rBV	1784972	2688943	1.14%	0.371%
93	15.794	4565	4573	4581	rBV	1860047	2776714	1.17%	0.383%
94	15.910	4597	4609	4642	rBV	5220631	9041191	3.82%	1.248%
95	16.054	4644	4654	4661	rBV	3384451	5271467	2.23%	0.727%
96	16.186	4687	4695	4707	rVB	419411	673401	0.28%	0.093%
97	16.279	4709	4724	4749	rVB2	556701	1426779	0.60%	0.197%
98	16.427	4762	4770	4787	rVB2	208567	330125	0.14%	0.046%
99	16.520	4789	4799	4817	rVB2	645935	1208299	0.51%	0.167%
100	17.167	4992	5000	5010	rBV3	117486	196250	0.08%	0.027%

Sum of corrected areas: 724675074

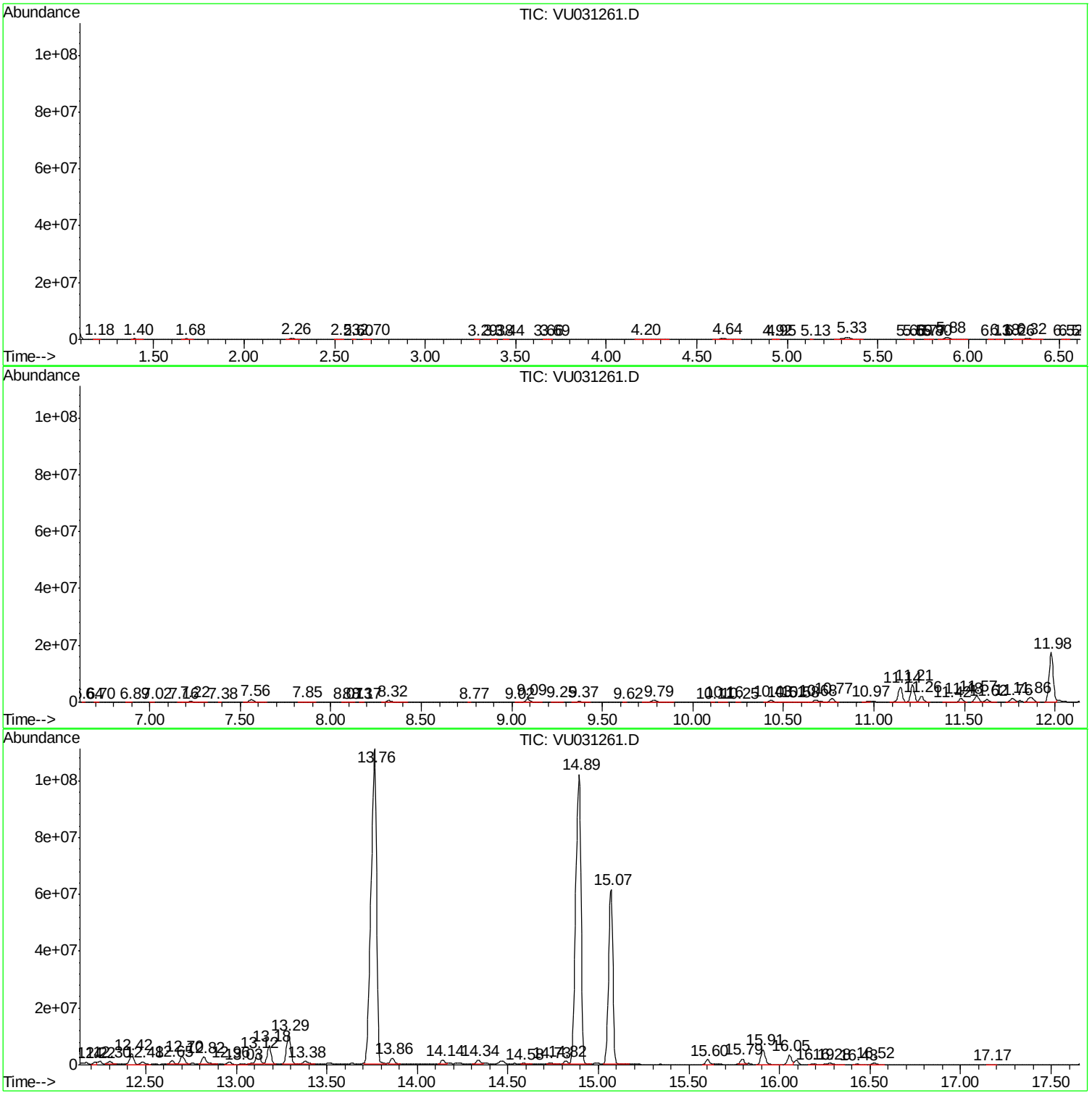
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041719\
Data File : VU031261.D
Acq On : 17 Apr 2019 15:50
Operator : JC/SP
Sample : K2455-02 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ4

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031261.D
Acq On : 17 Apr 2019 15:50
Operator : JC/SP
Sample : K2455-02 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ4

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

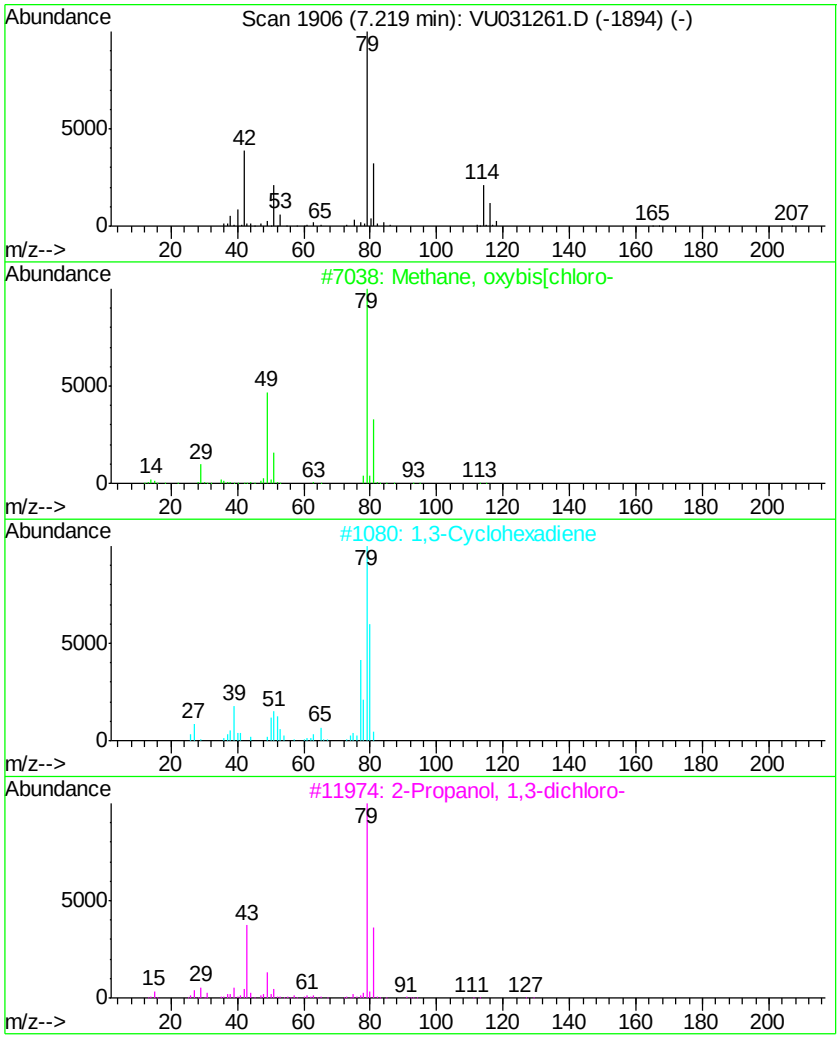
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

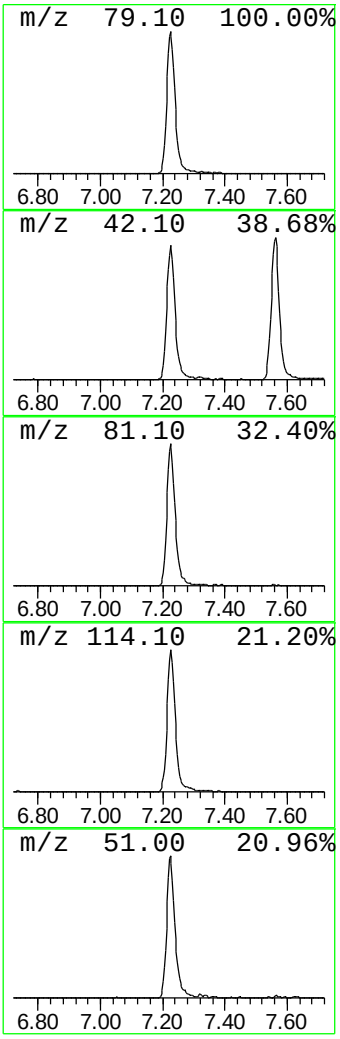
****

Peak Number 1 unknown-01 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.22	16.45 ug/L	474219	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methane, oxybis[chloro-	114	C2H4Cl2O	000542-88-1	25
2	1,3-Cyclohexadiene	80	C6H8	000592-57-4	25
3	2-Propanol, 1,3-dichloro-	128	C3H6Cl2O	000096-23-1	23
4	3-Thiatricyclo[3.1.1.0(2,4)]heptane	112	C6H8S	1000221-37-0	9
5	2-Propanol, 1,3-dichloro-	128	C3H6Cl2O	000096-23-1	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031261.D
Acq On : 17 Apr 2019 15:50
Operator : JC/SP
Sample : K2455-02 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ4

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

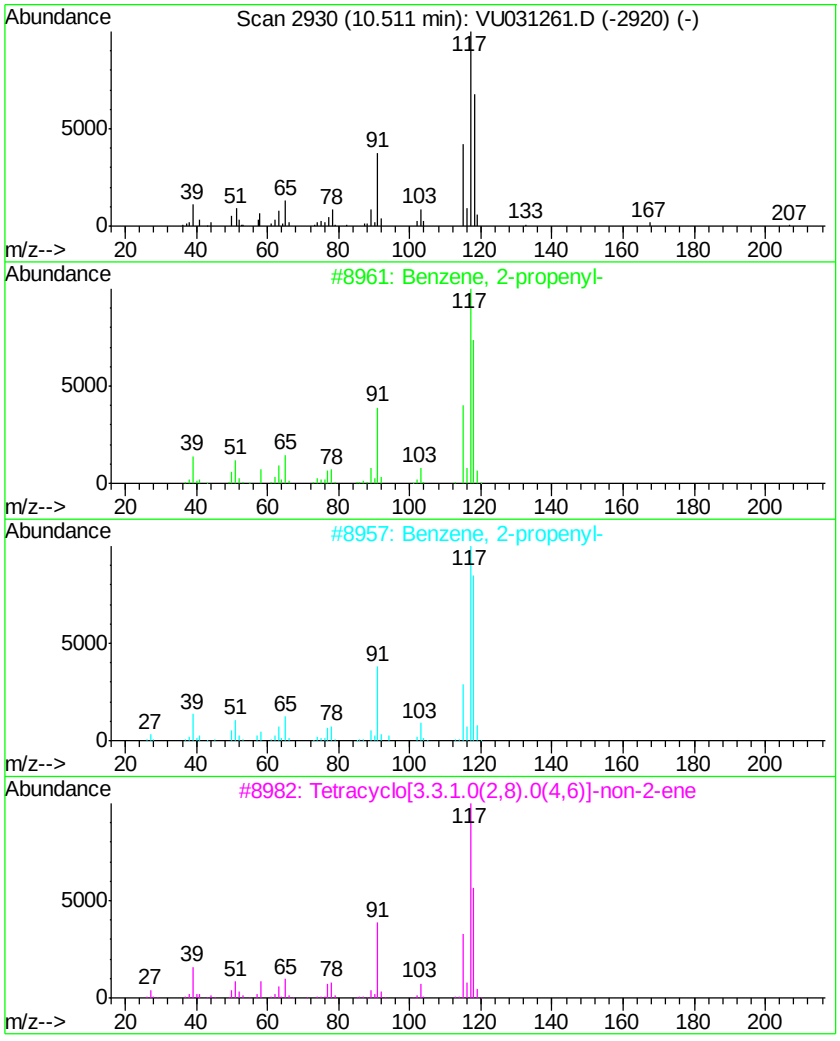
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

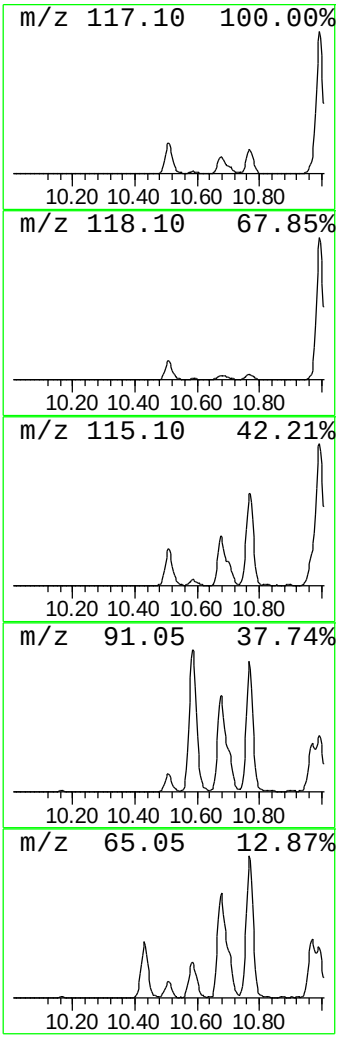
****

Peak Number 2 Benzene, 2-propenyl- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.51	2.72 ug/L	106609	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	95
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	95
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	93
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	90
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031261.D
Acq On : 17 Apr 2019 15:50
Operator : JC/SP
Sample : K2455-02 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ4

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

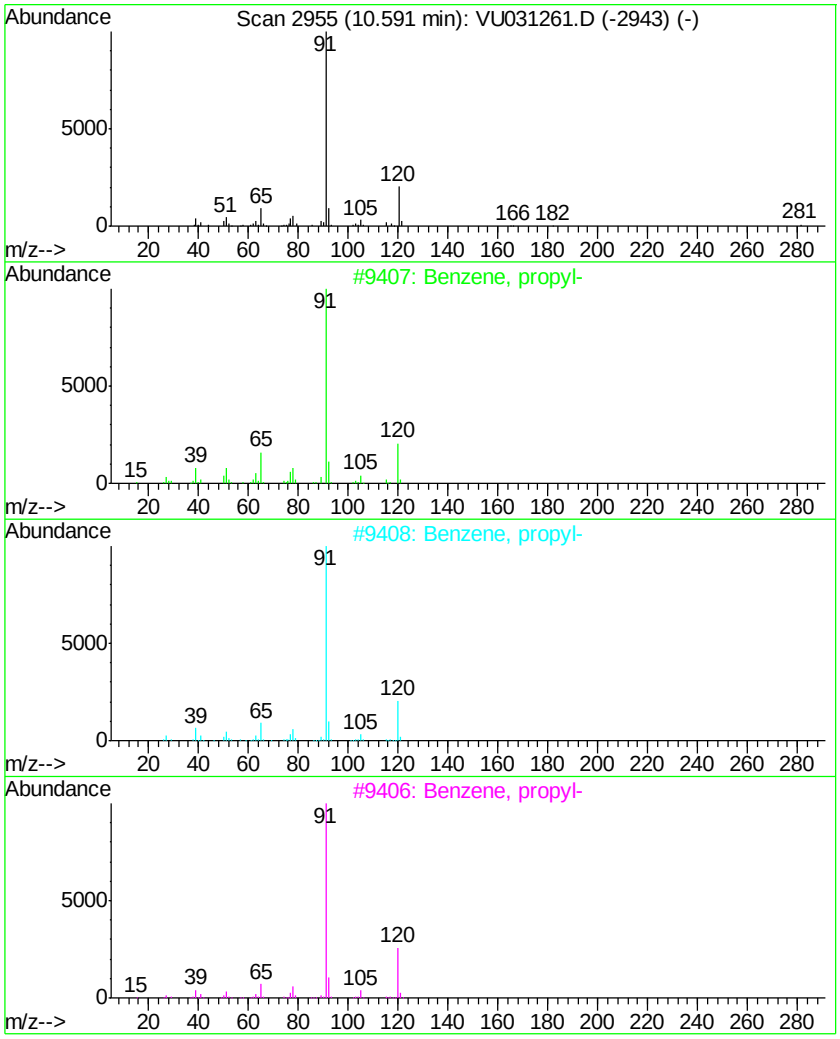
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

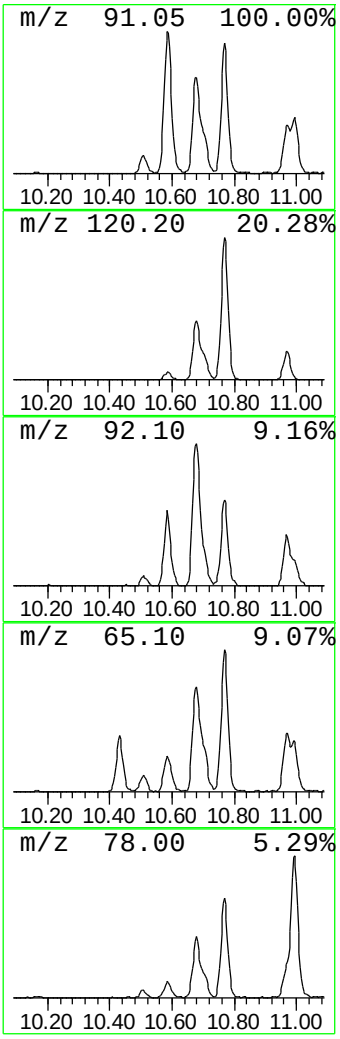
****

Peak Number 3 Benzene, propyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	4.56 ug/L	178848	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	90
3	Benzene, propyl-	120	C9H12	000103-65-1	90
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	78
5	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031261.D
Acq On : 17 Apr 2019 15:50
Operator : JC/SP
Sample : K2455-02 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ4

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

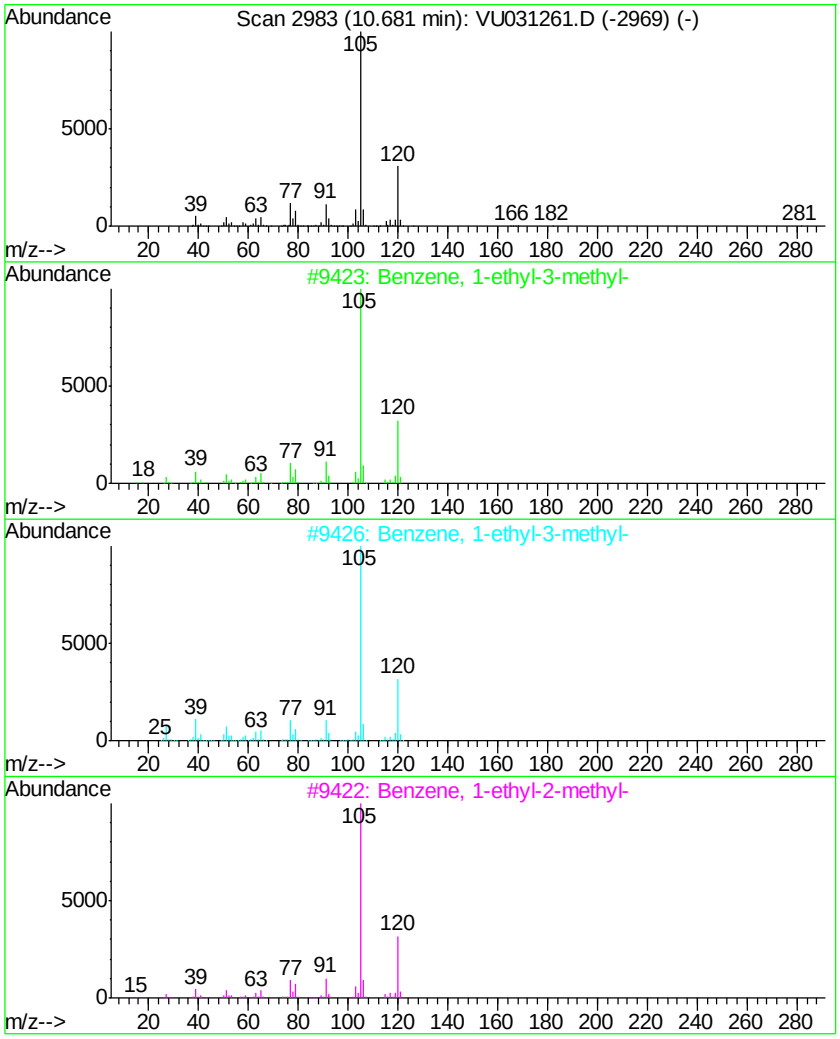
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

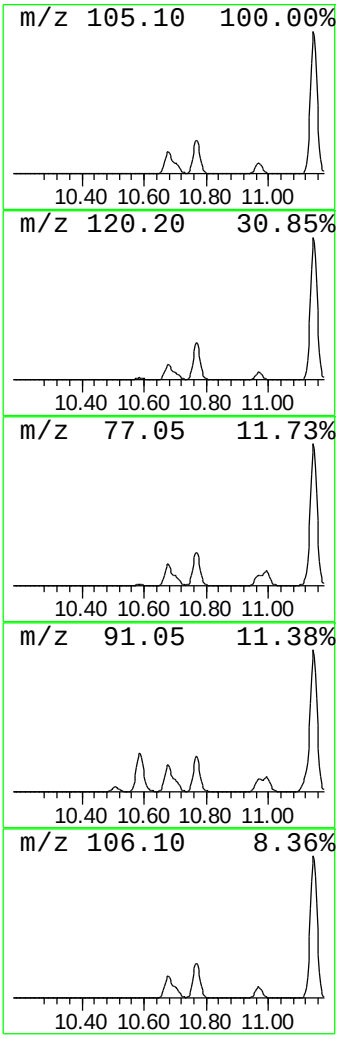
****

Peak Number 4 Benzene, 1-ethyl-3-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	41.34 ug/L	1620540	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-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031261.D
Acq On : 17 Apr 2019 15:50
Operator : JC/SP
Sample : K2455-02 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ4

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

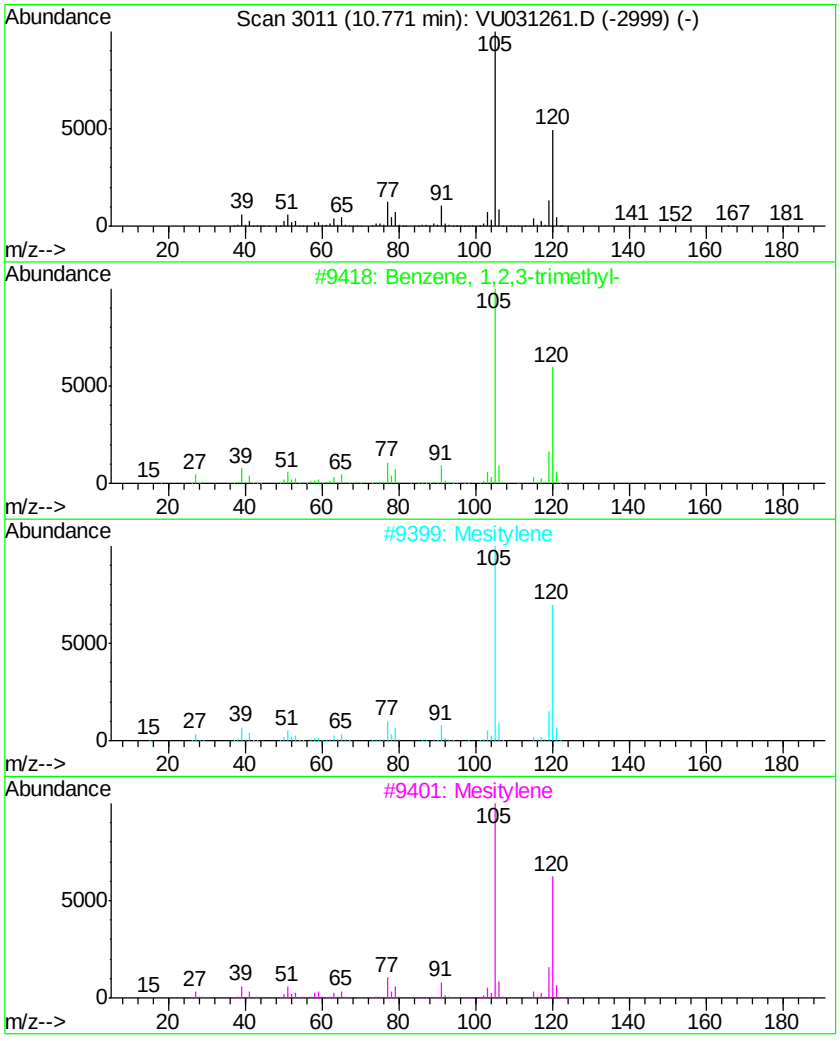
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

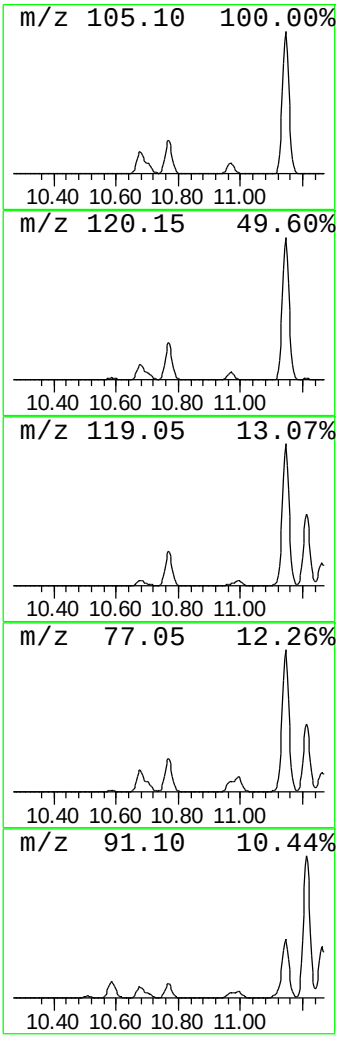
****

Peak Number 5 Benzene, 1,2,3-trimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	51.54 ug/L	2020570	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Mesitylene	120	C9H12	000108-67-8	95
3	Mesitylene	120	C9H12	000108-67-8	95
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031261.D
Acq On : 17 Apr 2019 15:50
Operator : JC/SP
Sample : K2455-02 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ4

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

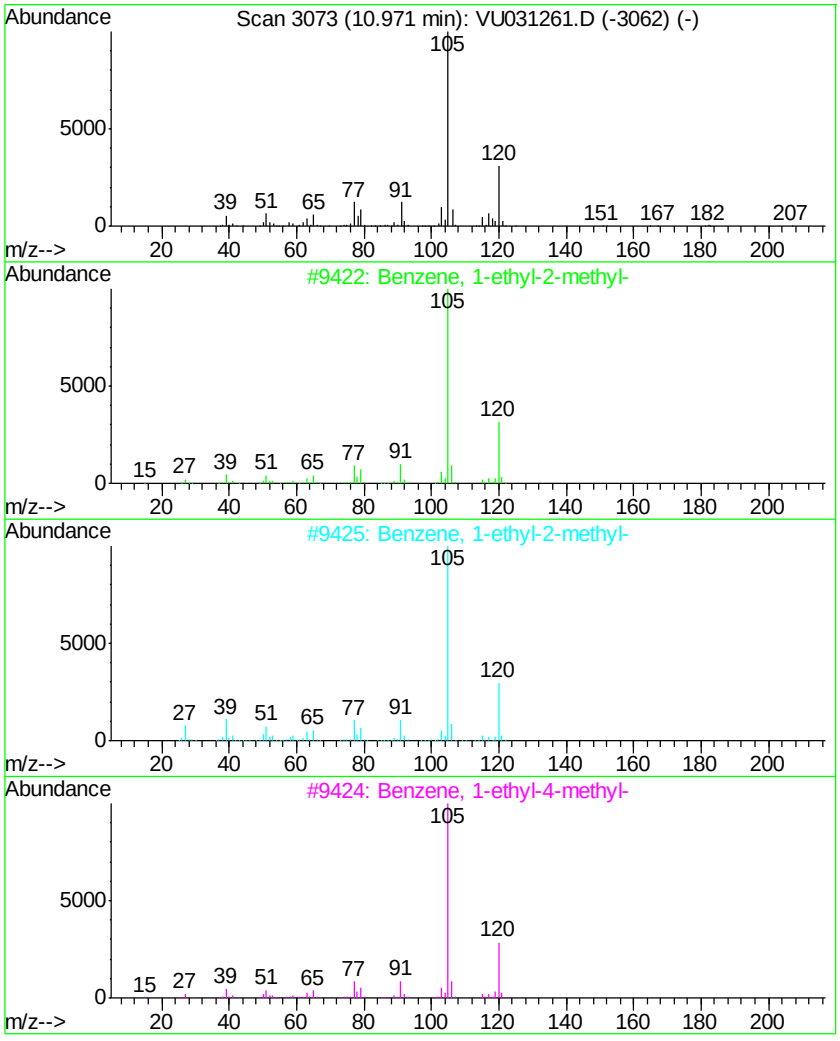
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

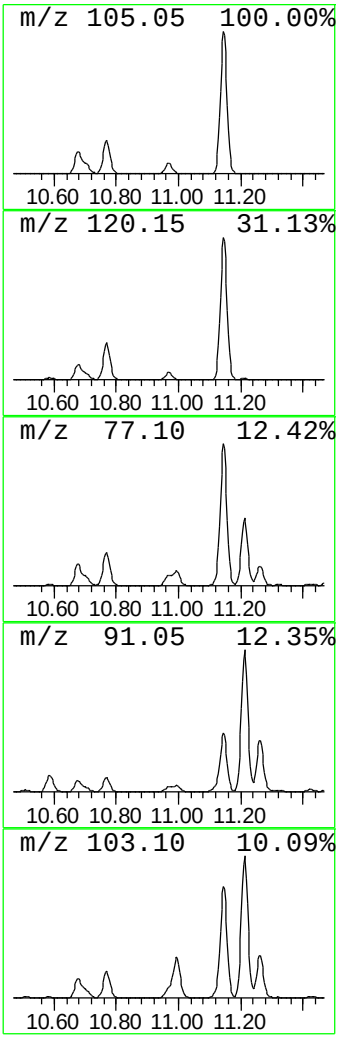
****

Peak Number 6 Benzene, 1-ethyl-2-methyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	13.34 ug/L	522871	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	93
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	87
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	87
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031261.D
Acq On : 17 Apr 2019 15:50
Operator : JC/SP
Sample : K2455-02 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ4

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

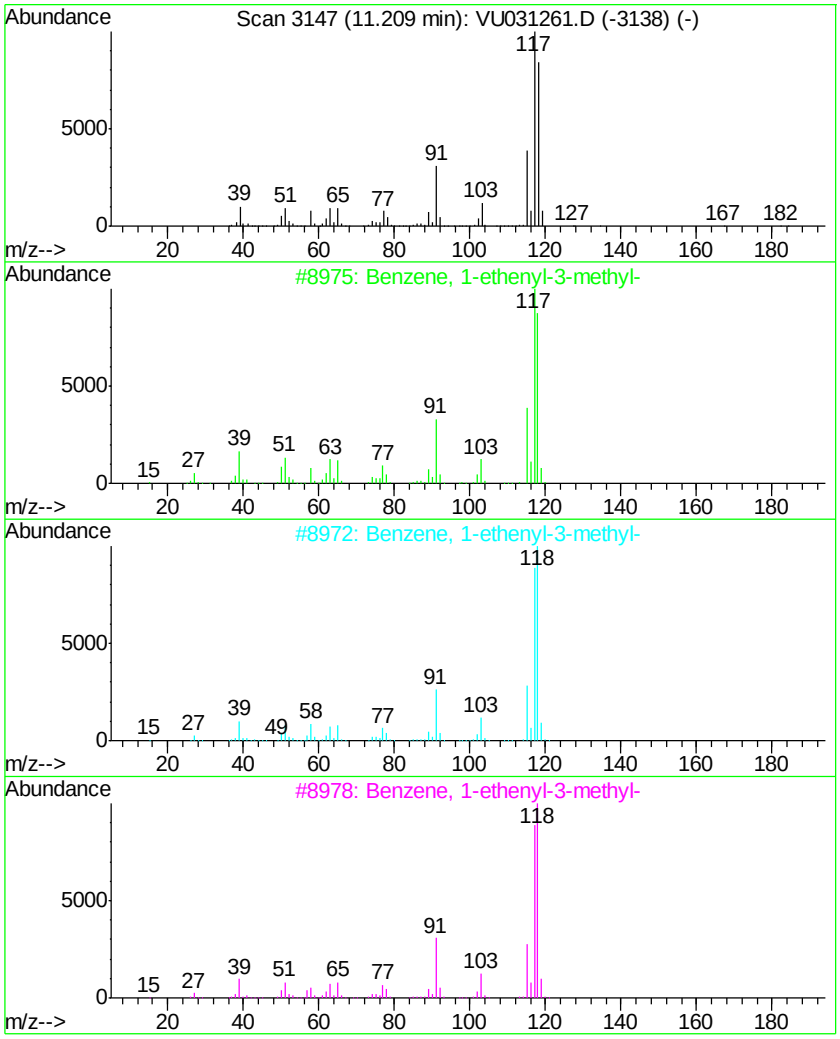
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

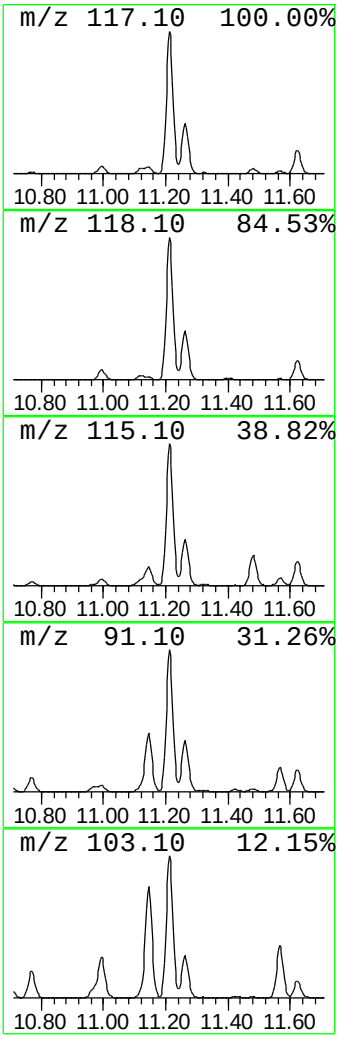
****

Peak Number 8 Benzene, 1-ethenyl-3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	231.14 ug/L	9061420	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, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	95
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94





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Data File : VU031261.D
Acq On : 17 Apr 2019 15:50
Operator : JC/SP
Sample : K2455-02 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ4

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

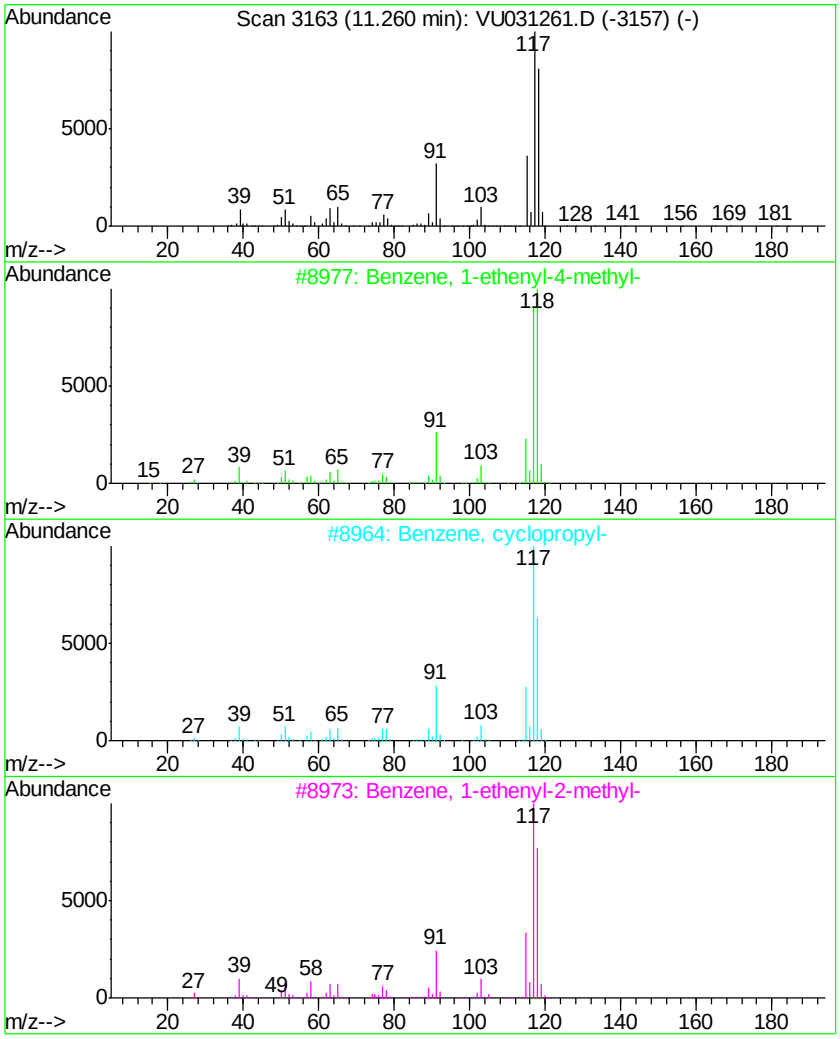
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

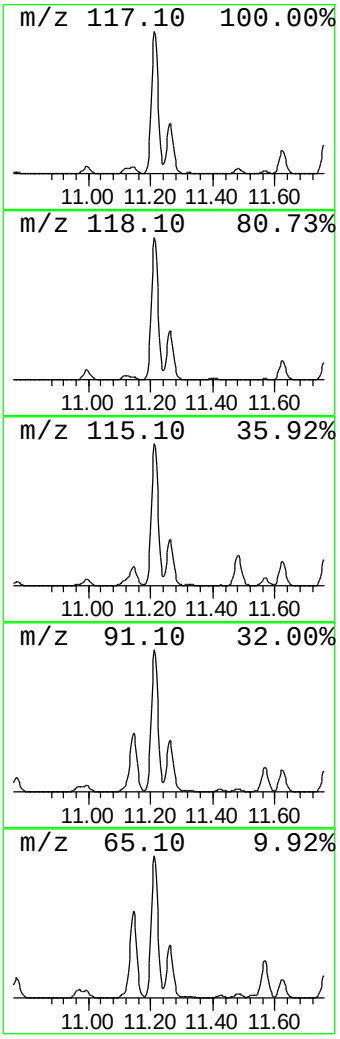
****

Peak Number 9 Benzene, 1-ethenyl-4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	78.13 ug/L	3062950	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	95
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	93
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031261.D
Acq On : 17 Apr 2019 15:50
Operator : JC/SP
Sample : K2455-02 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ4

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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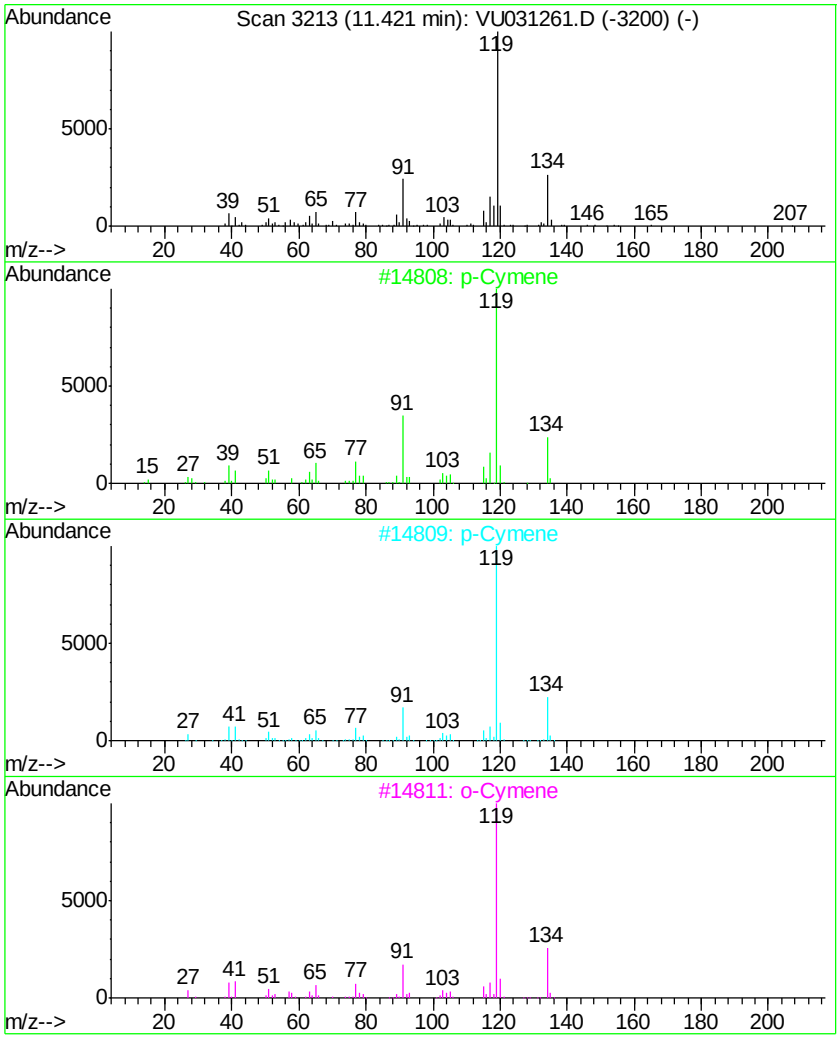
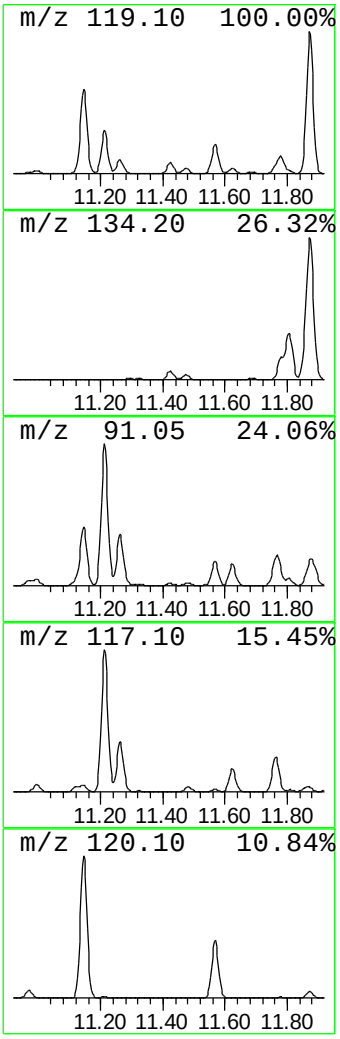
Peak Number 10 p-Cymene Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.42	5.32 ug/L	208585	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	95
2	p-Cymene	134	C10H14	000099-87-6	94
3	o-Cymene	134	C10H14	000527-84-4	94
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91





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Data File : VU031261.D
Acq On : 17 Apr 2019 15:50
Operator : JC/SP
Sample : K2455-02 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ4

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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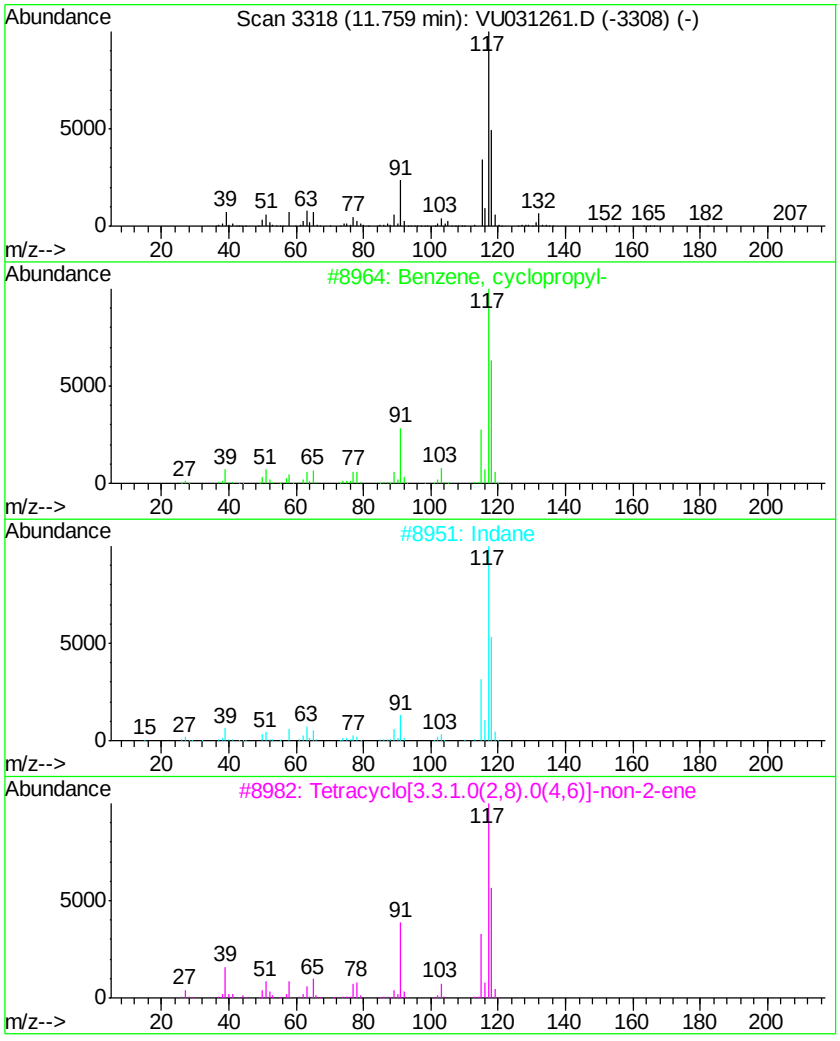
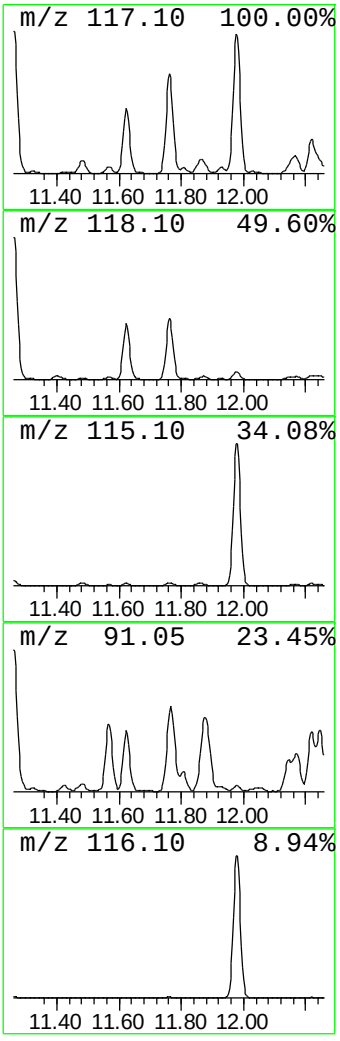
Peak Number 13 Benzene, cyclopropyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	57.62 ug/L	2258870	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclopropyl-	118	C9H10	000873-49-4	81
2	Indane	118	C9H10	000496-11-7	81
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	81
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	64
5	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	62





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031261.D
Acq On : 17 Apr 2019 15:50
Operator : JC/SP
Sample : K2455-02 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ4

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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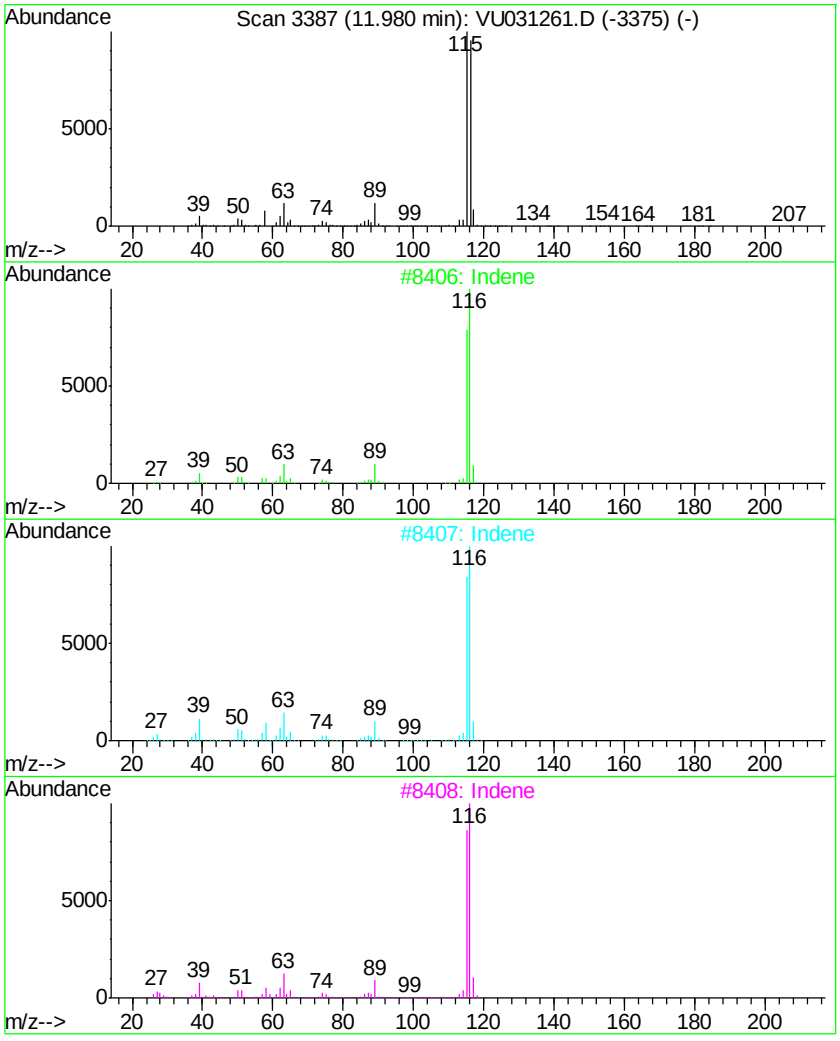
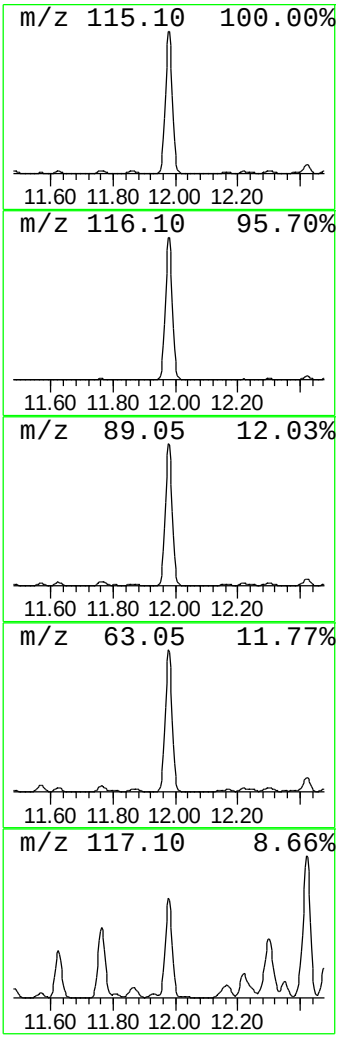
Peak Number 14 Indene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	695.57 ug/L	27267900	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-ethynyl-4-methyl-	116	C9H8	000766-97-2	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031261.D
Acq On : 17 Apr 2019 15:50
Operator : JC/SP
Sample : K2455-02 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ4

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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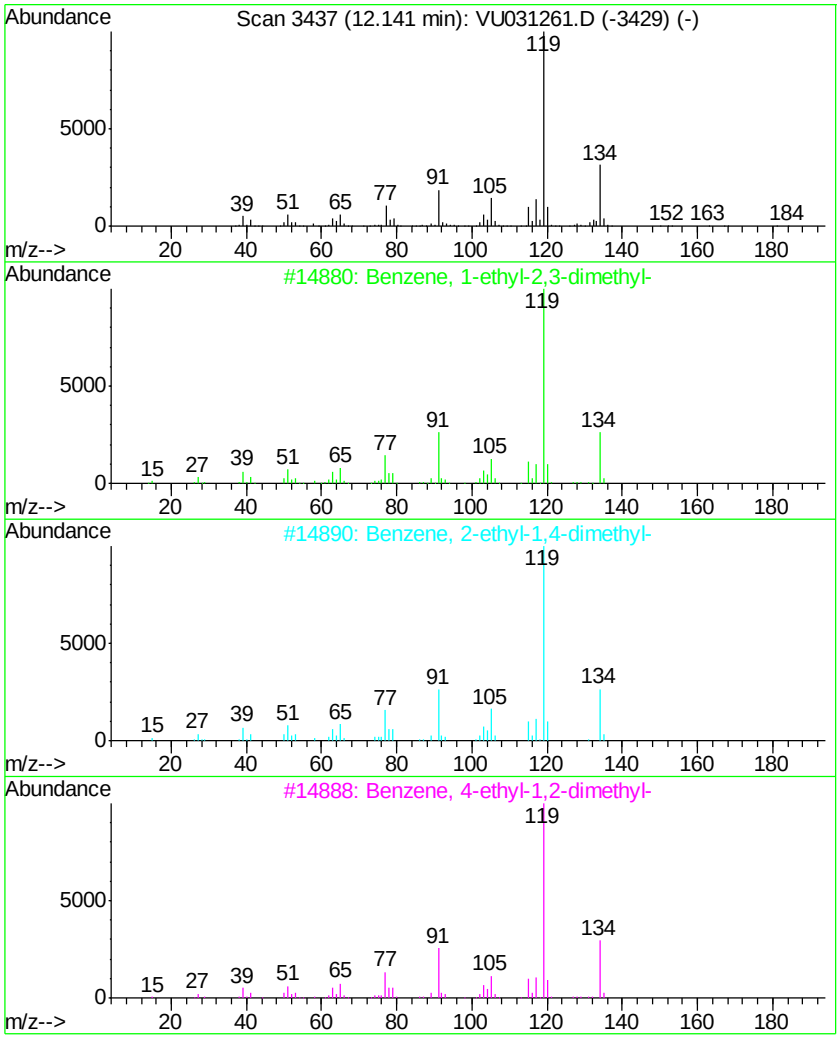
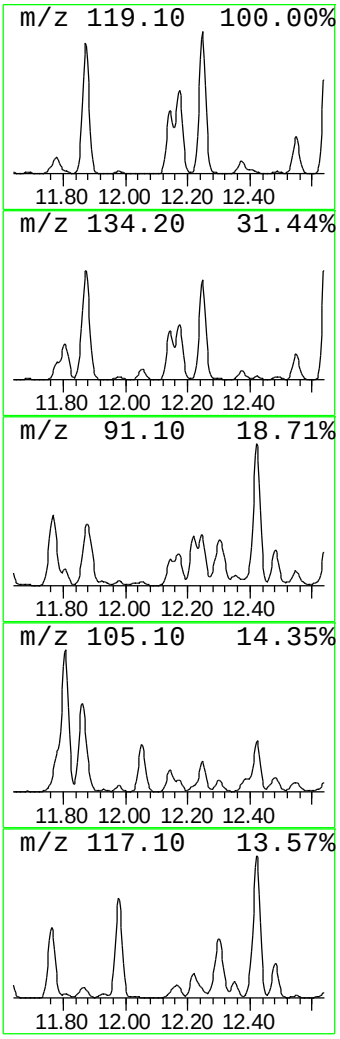
Peak Number 15 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	22.05 ug/L	864382	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	96
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
5	o-Cymene	134	C10H14	000527-84-4	94





Library Search Compound Report

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Data File : VU031261.D
Acq On : 17 Apr 2019 15:50
Operator : JC/SP
Sample : K2455-02 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ4

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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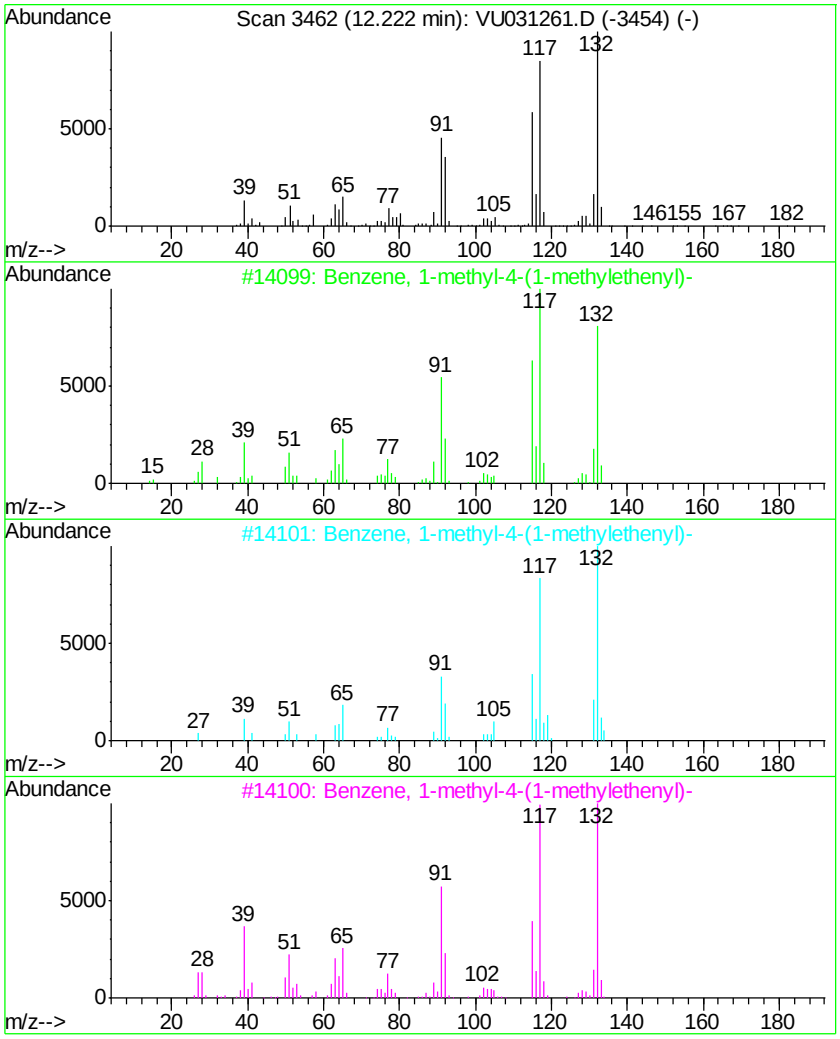
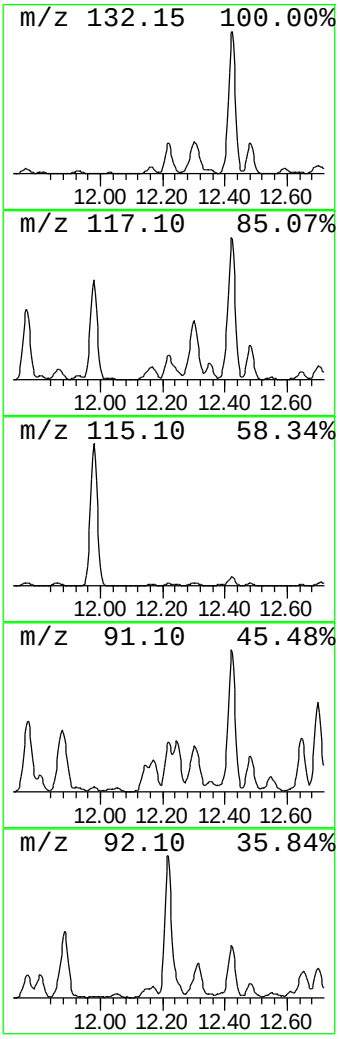
Peak Number 16 Benzene, 1-methyl-4-(1-meth... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	25.16 ug/L	986247	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	97
2	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	87
3	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	87
4	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	80
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031261.D
Acq On : 17 Apr 2019 15:50
Operator : JC/SP
Sample : K2455-02 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ4

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

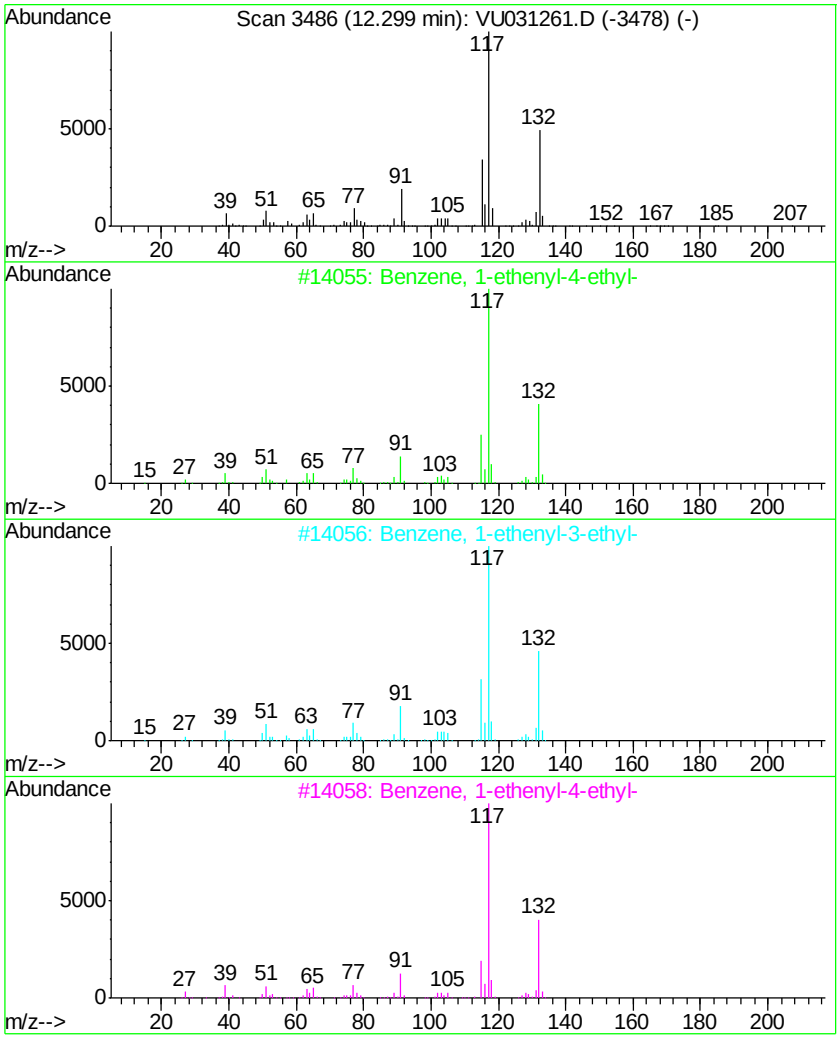
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

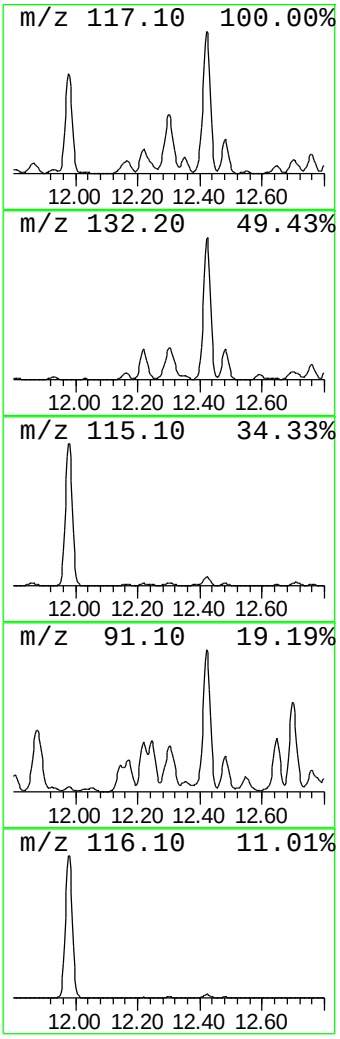
****

Peak Number 17 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	45.75 ug/L	1793510	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	97
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	96
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	93
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	93
5	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	93





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031261.D
Acq On : 17 Apr 2019 15:50
Operator : JC/SP
Sample : K2455-02 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ4

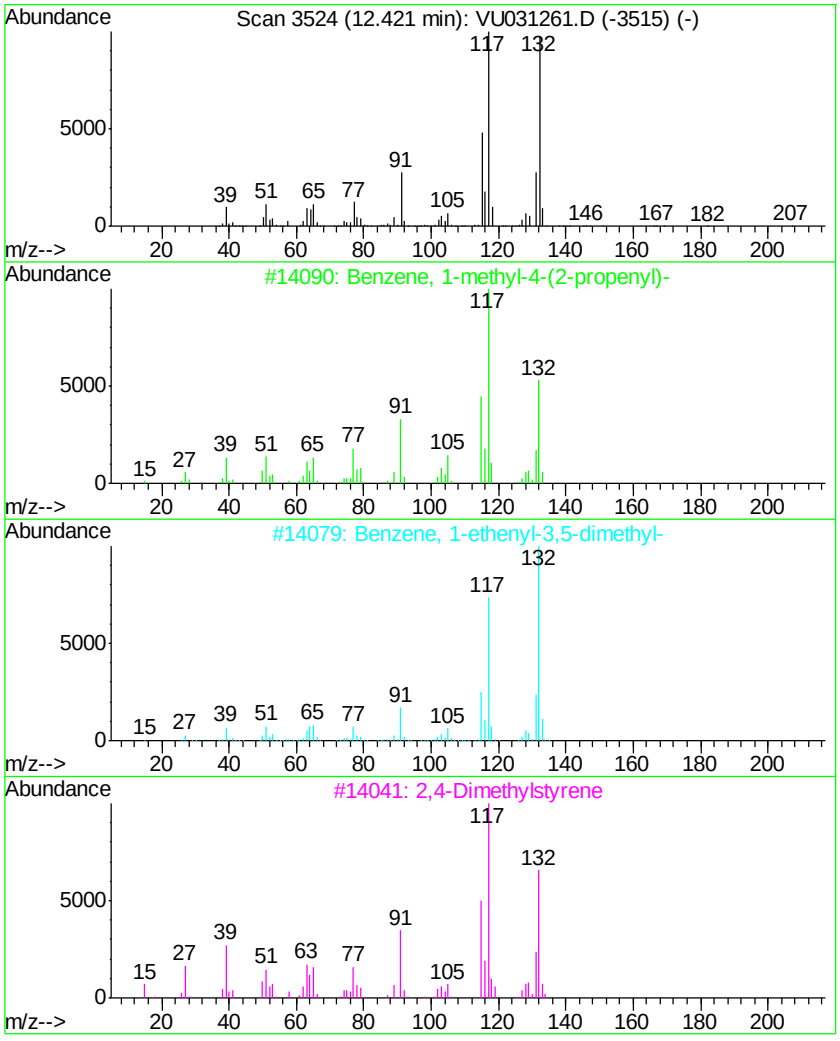
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

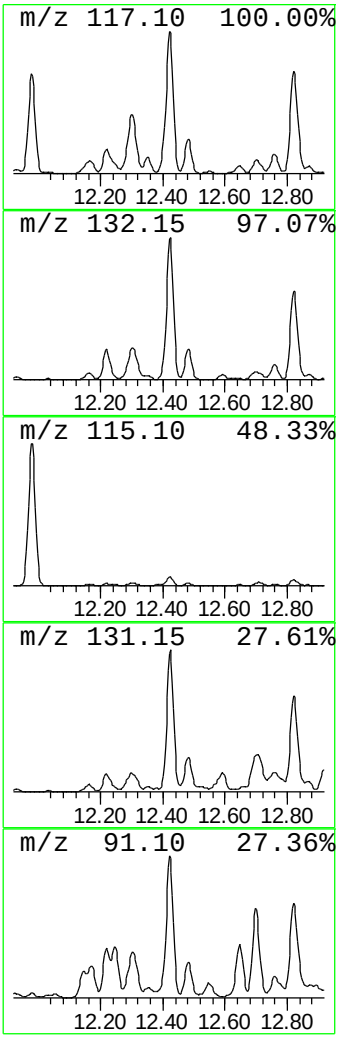
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Benzene, 1-methyl-4-(2-prop... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	146.60 ug/L	5746880	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	94
2	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	94
3	2,4-Dimethylstyrene	132	C10H12	002234-20-0	94
4	Benzene, (1-methylenepropyl)-	132	C10H12	002039-93-2	94
5	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031261.D
Acq On : 17 Apr 2019 15:50
Operator : JC/SP
Sample : K2455-02 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ4

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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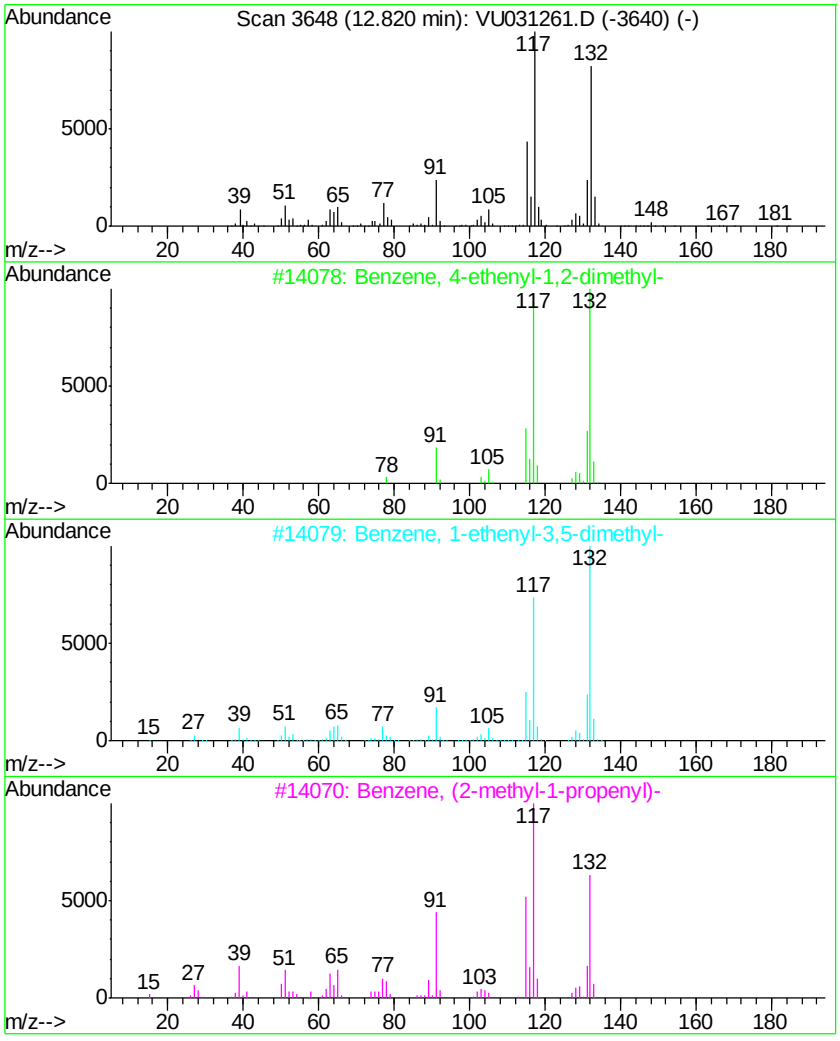
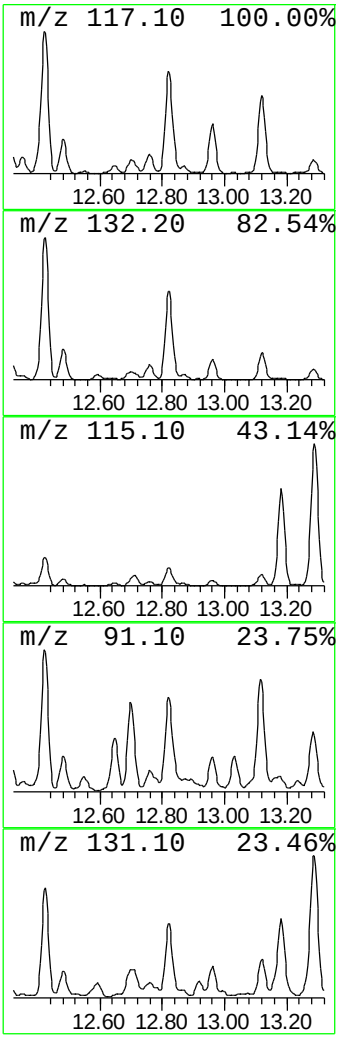
Peak Number 22 Benzene, 4-ethenyl-1,2-dime... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.82	128.40 ug/L	5033550	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, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	96
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	94
4	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	94
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031261.D
Acq On : 17 Apr 2019 15:50
Operator : JC/SP
Sample : K2455-02 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ4

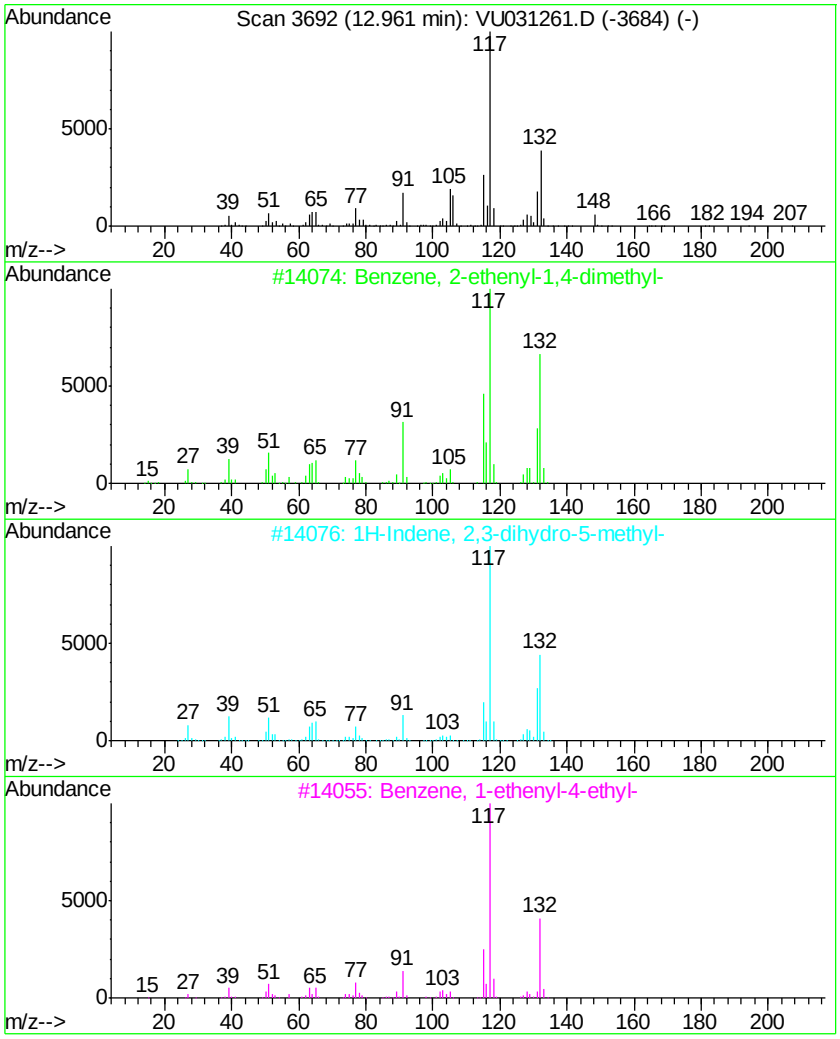
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

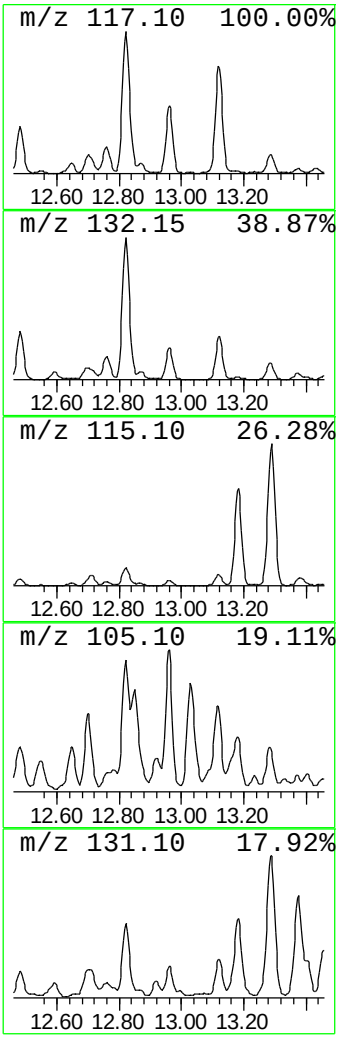
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	37.35 ug/L	1464370	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	91
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	89
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	81
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	81
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	81





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Data File : VU031261.D
Acq On : 17 Apr 2019 15:50
Operator : JC/SP
Sample : K2455-02 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ4

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

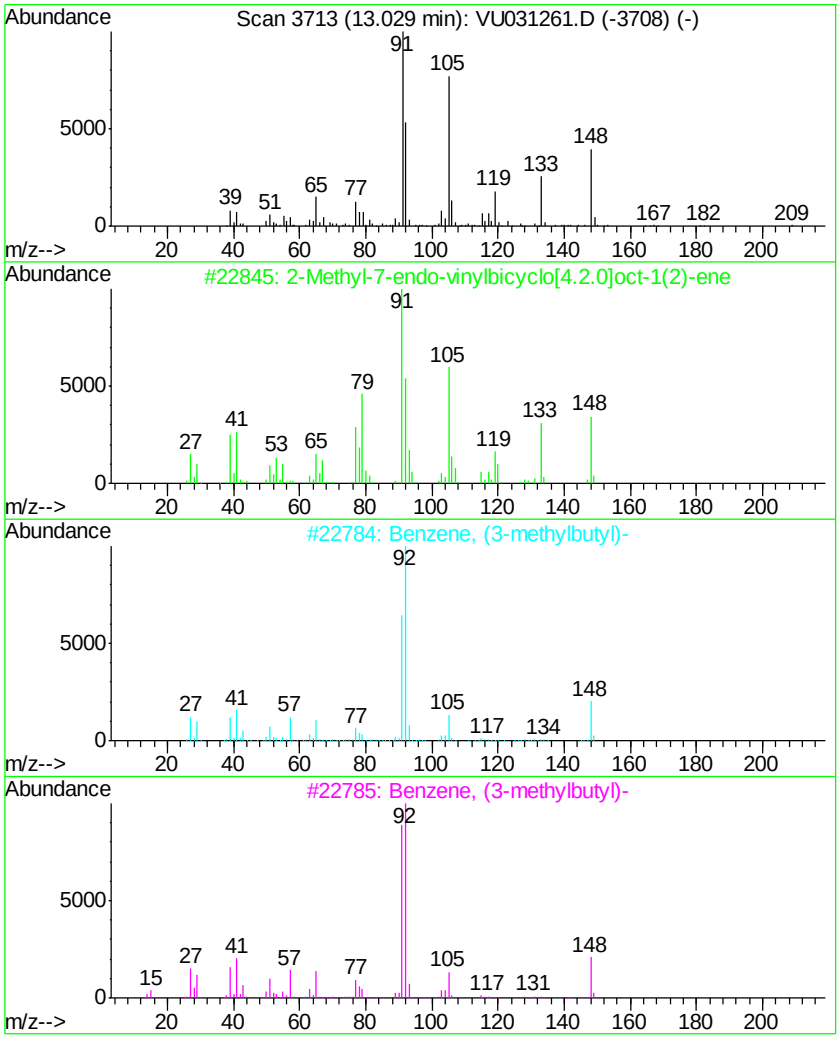
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

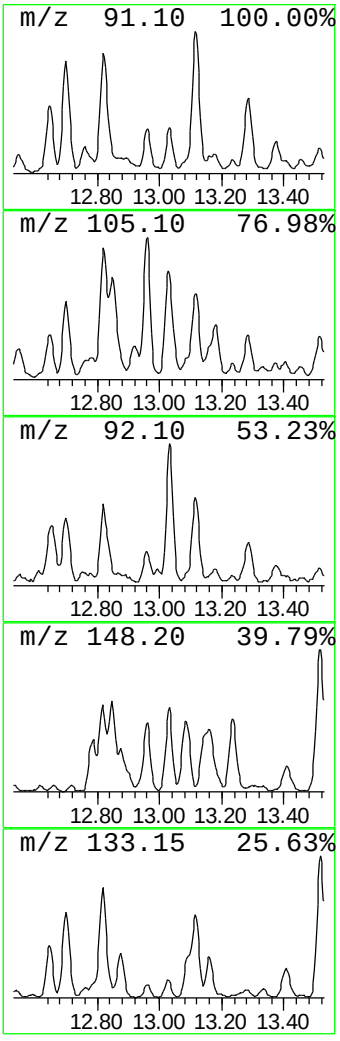
****

Peak Number 24 2-Methyl-7-endo-vinylbicycl... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	7.19 ug/L	281920	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-7-endo-vinylbicyclo[4.2...	148	C11H16	1000200-99-1	59
2	Benzene, (3-methylbutyl)-	148	C11H16	002049-94-7	43
3	Benzene, (3-methylbutyl)-	148	C11H16	002049-94-7	38
4	L-Phenylalanine, N-formyl-	193	C10H11NO3	013200-85-6	38
5	2-Methylindan-2-ol	148	C10H12O	033223-84-6	30





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031261.D
Acq On : 17 Apr 2019 15:50
Operator : JC/SP
Sample : K2455-02 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ4

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

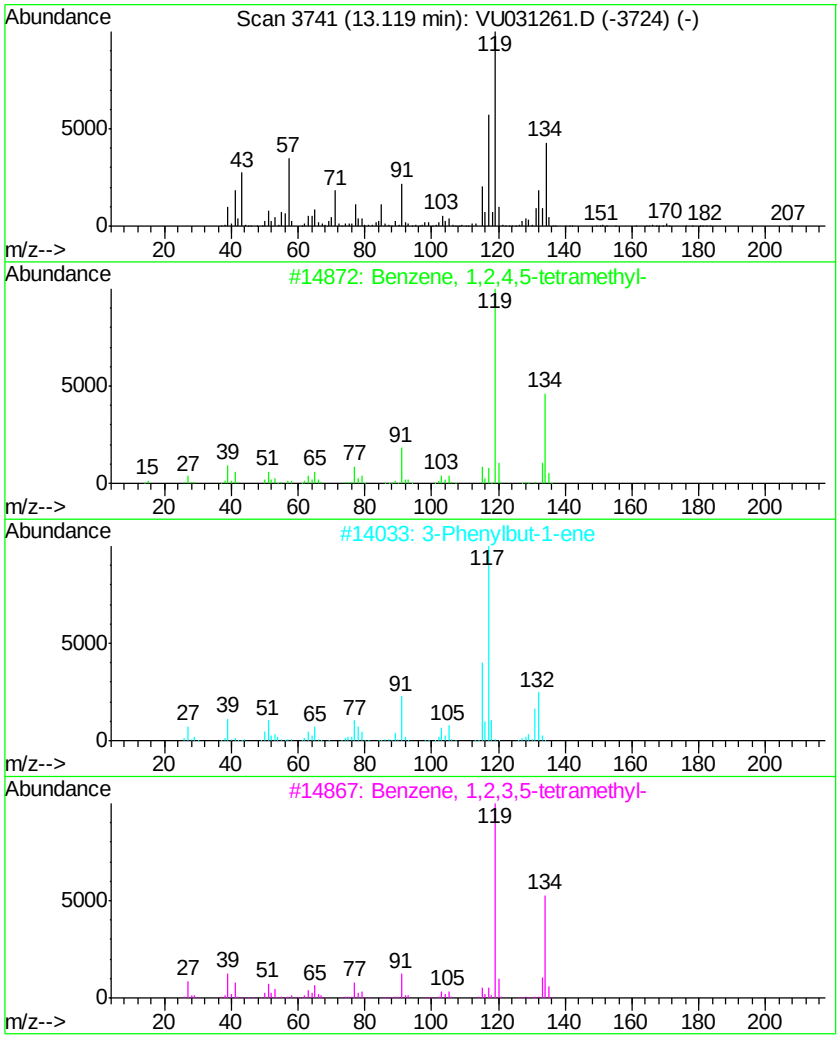
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

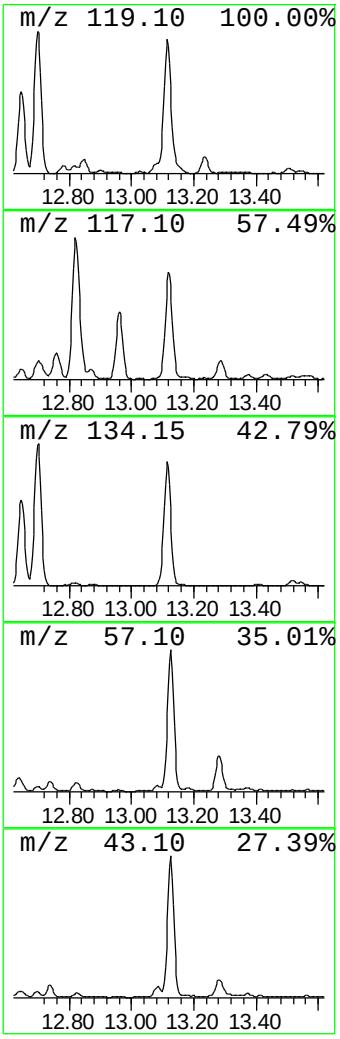
****

Peak Number 25 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	196.05 ug/L	7685680	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	70
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	64
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	64
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	64





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Data File : VU031261.D
Acq On : 17 Apr 2019 15:50
Operator : JC/SP
Sample : K2455-02 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ4

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

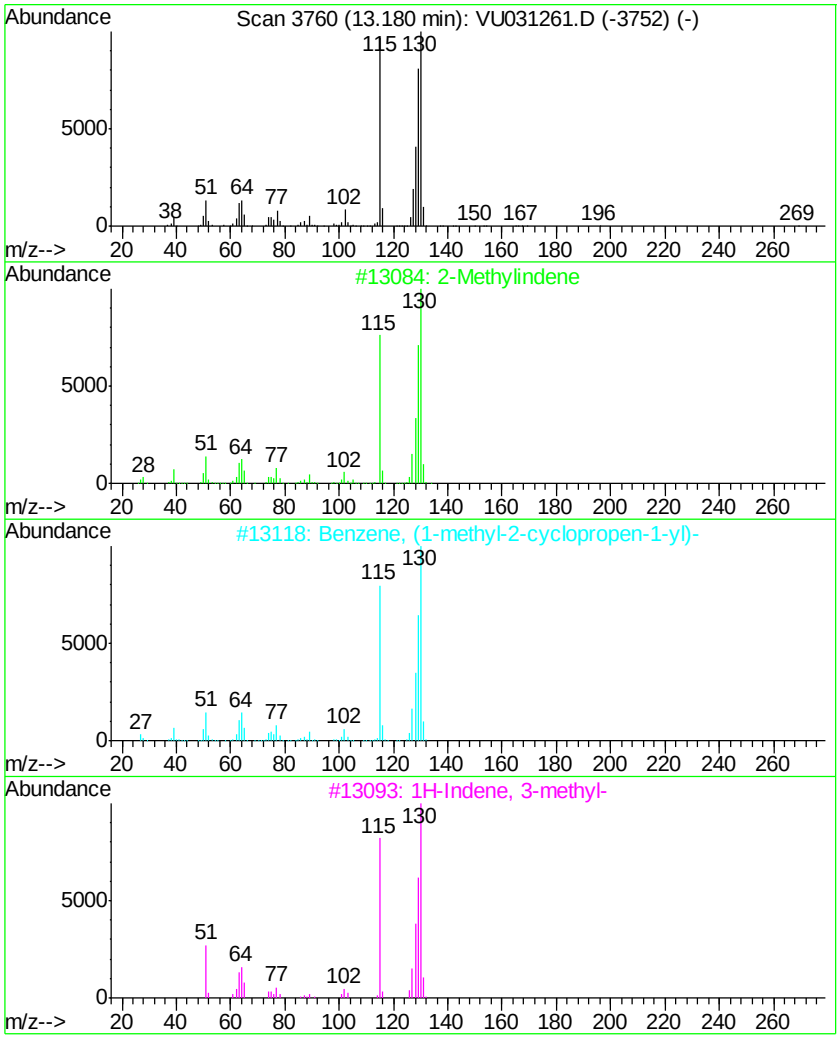
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

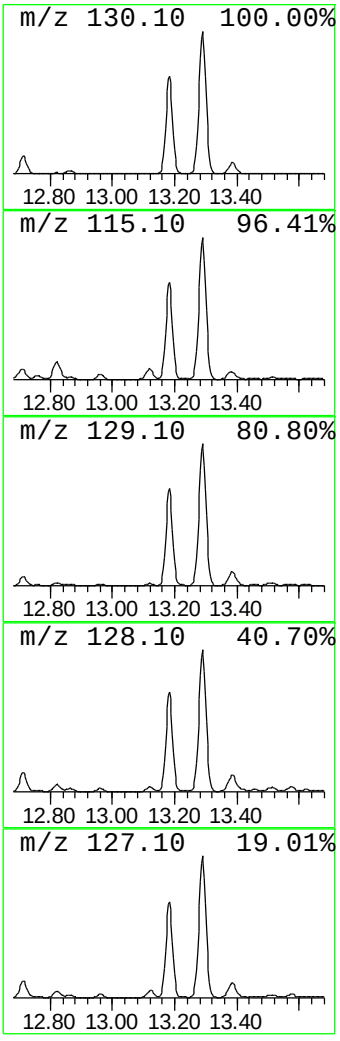
****

Peak Number 26 2-Methylindene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	249.25 ug/L	9771120	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	97
2	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	97
3	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	95
4	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95
5	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	95





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Data File : VU031261.D
Acq On : 17 Apr 2019 15:50
Operator : JC/SP
Sample : K2455-02 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ4

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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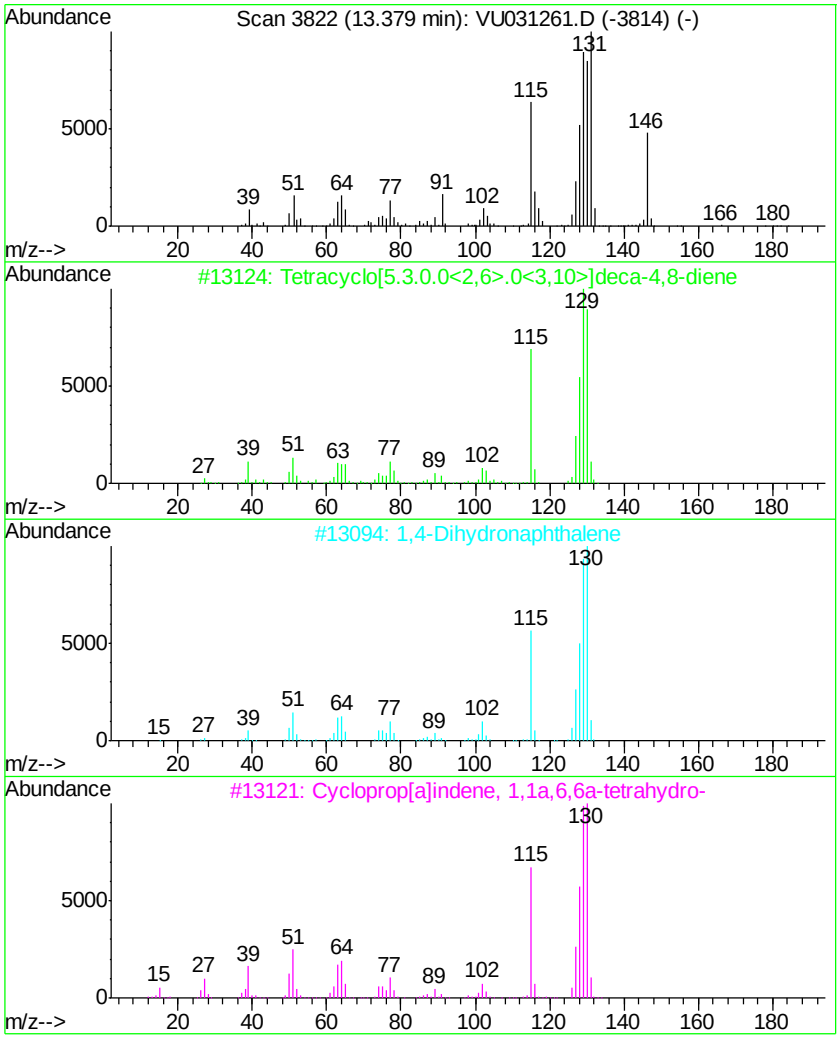
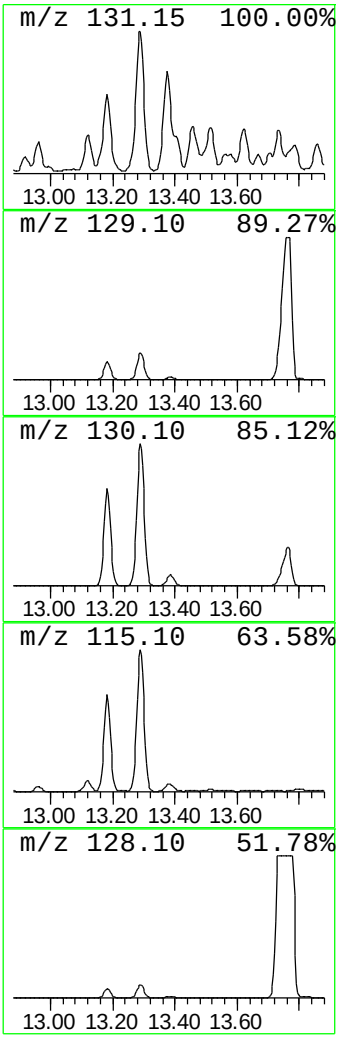
Peak Number 28 Tetracyclo[5.3.0.0<2,6>.0<3... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	58.56 ug/L	2295820	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracyclo[5.3.0.0<2,6>.0<3,10>]...	130	C10H10	034324-40-8	90
2	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	90
3	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	89
4	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	86
5	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031261.D
Acq On : 17 Apr 2019 15:50
Operator : JC/SP
Sample : K2455-02 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ4

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

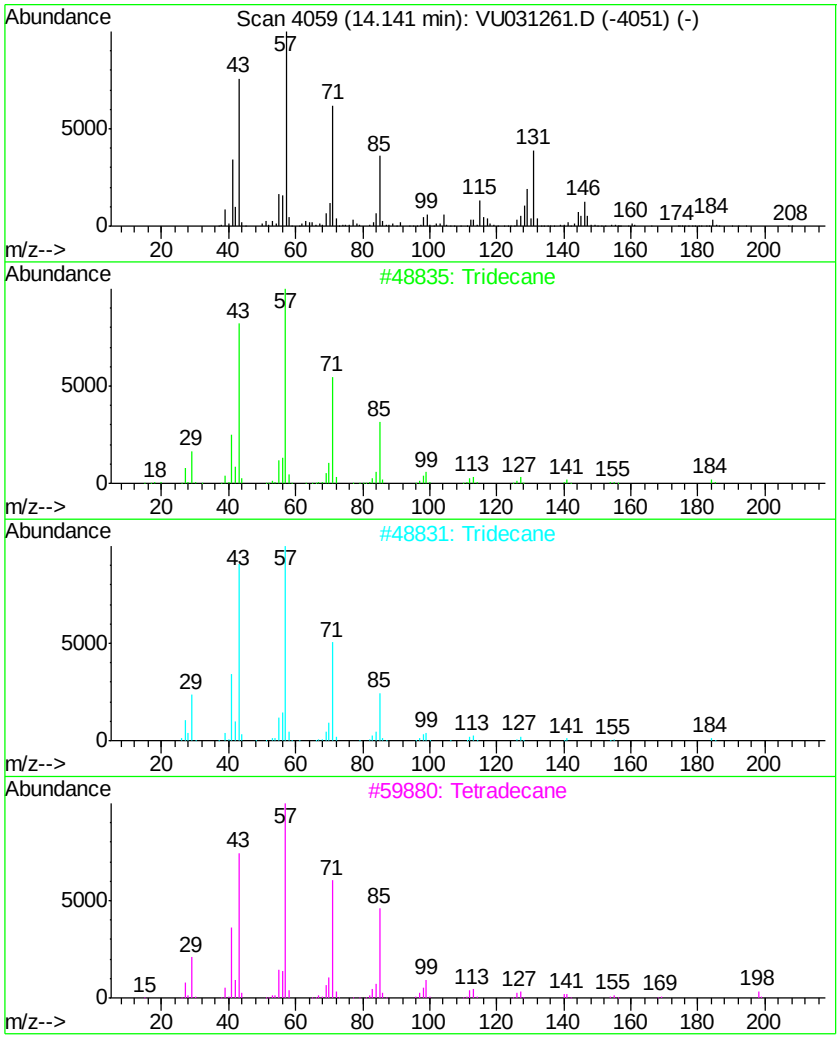
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

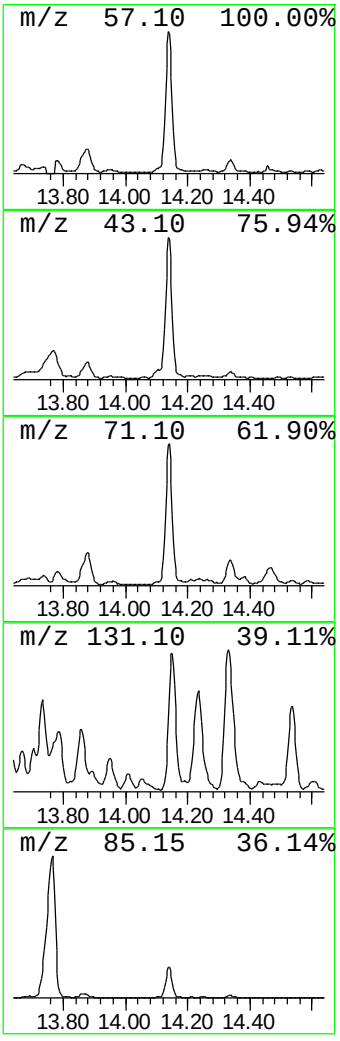
****

Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	53.48 ug/L	2096390	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	94
2	Tridecane	184	C13H28	000629-50-5	52
3	Tetradecane	198	C14H30	000629-59-4	38
4	Hexadecane	226	C16H34	000544-76-3	38
5	Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031261.D
Acq On : 17 Apr 2019 15:50
Operator : JC/SP
Sample : K2455-02 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ4

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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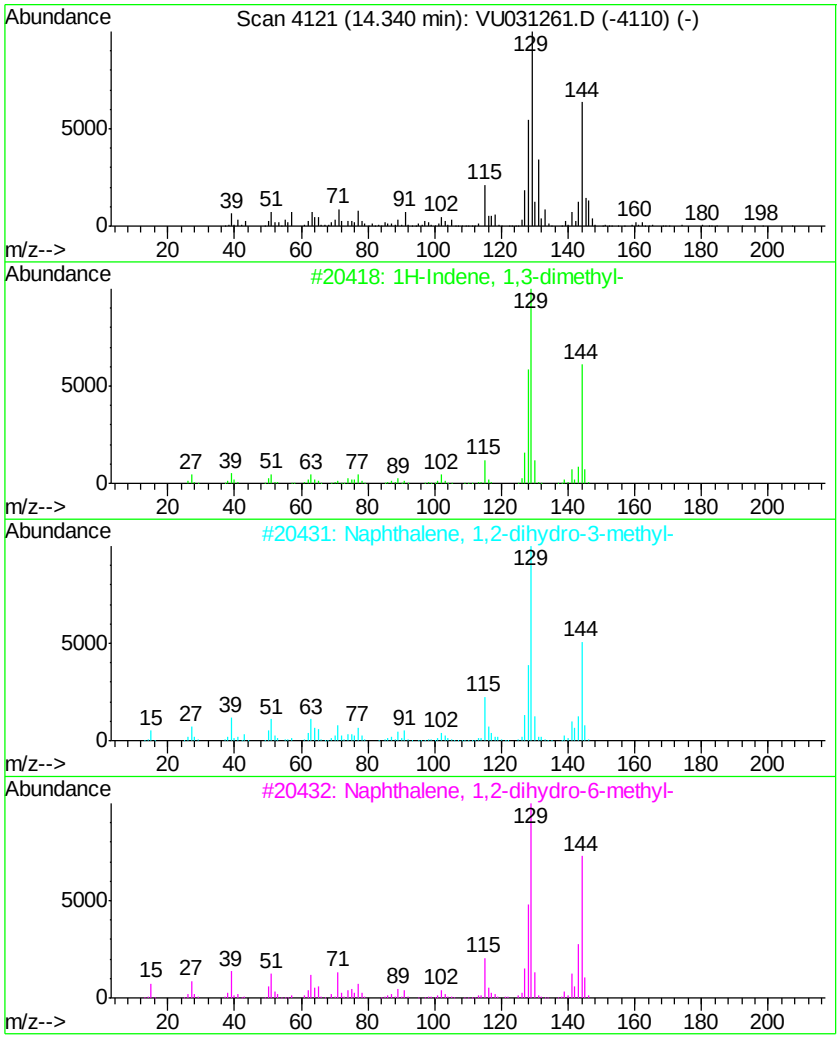
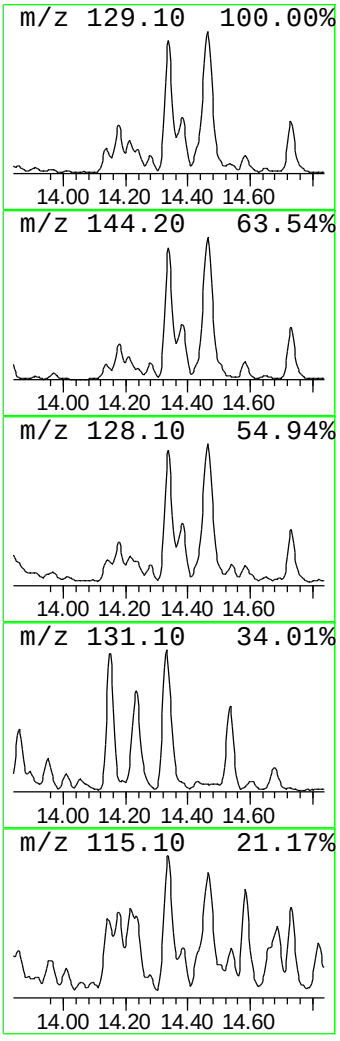
Peak Number 32 1H-Indene, 1,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	69.79 ug/L	2736080	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	93
2	Naphthalene, 1,2-dihydro-3-methyl-	144	C11H12	002717-44-4	81
3	Naphthalene, 1,2-dihydro-6-methyl-	144	C11H12	002717-47-7	81
4	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	76
5	1H-Cyclopropa[b]naphthalene, 1a,...	144	C11H12	006571-72-8	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031261.D
Acq On : 17 Apr 2019 15:50
Operator : JC/SP
Sample : K2455-02 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ4

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

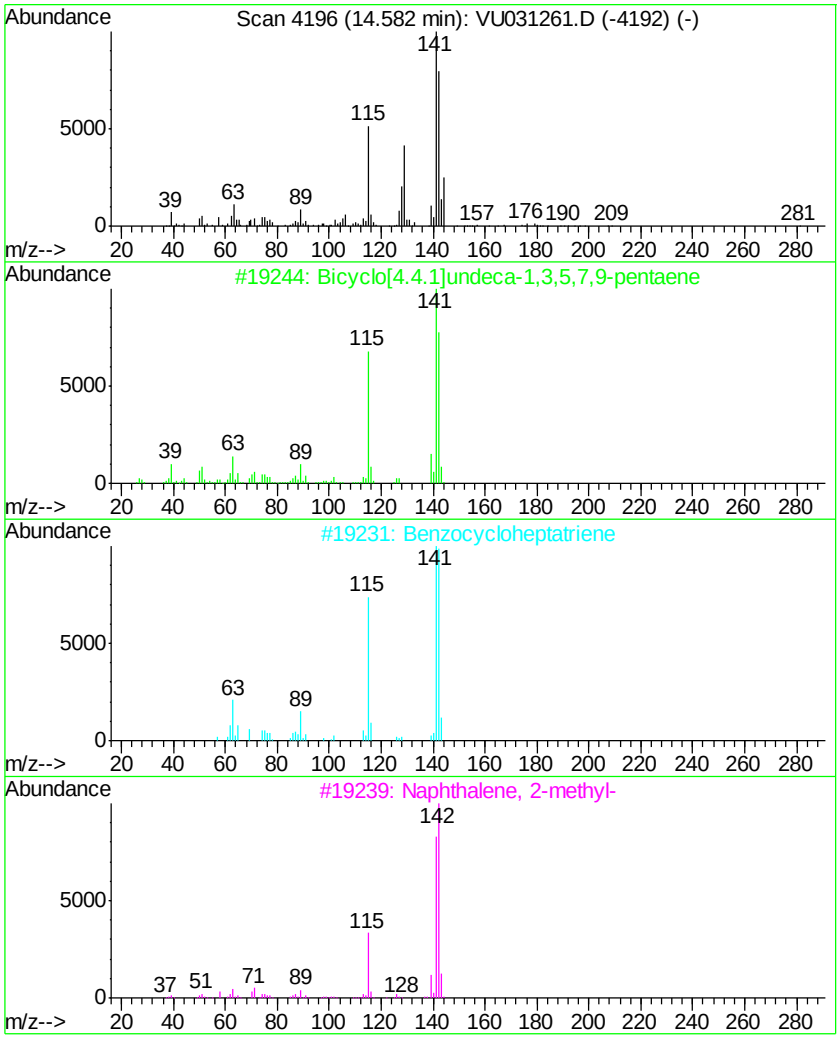
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

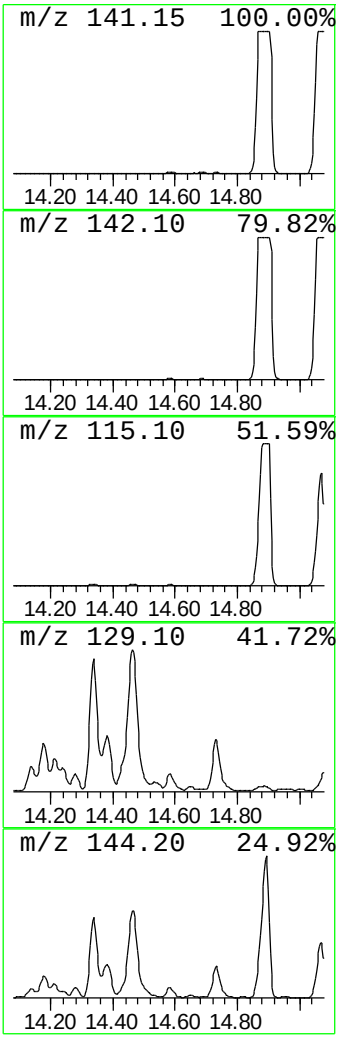
****

Peak Number 33 Bicyclo[4.4.1]undeca-1,3,5,... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.58	19.10 ug/L	748741	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	93
2	Benzocycloheptatriene	142	C11H10	000264-09-5	93
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	92
4	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	86
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031261.D
Acq On : 17 Apr 2019 15:50
Operator : JC/SP
Sample : K2455-02 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ4

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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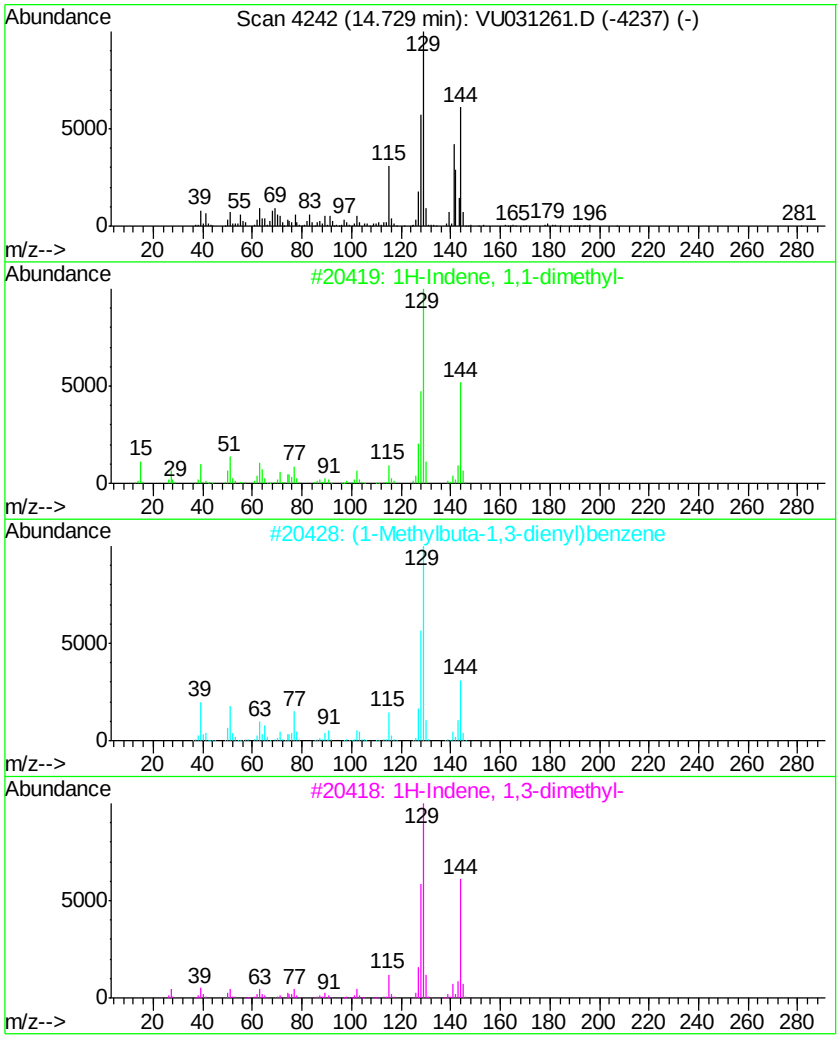
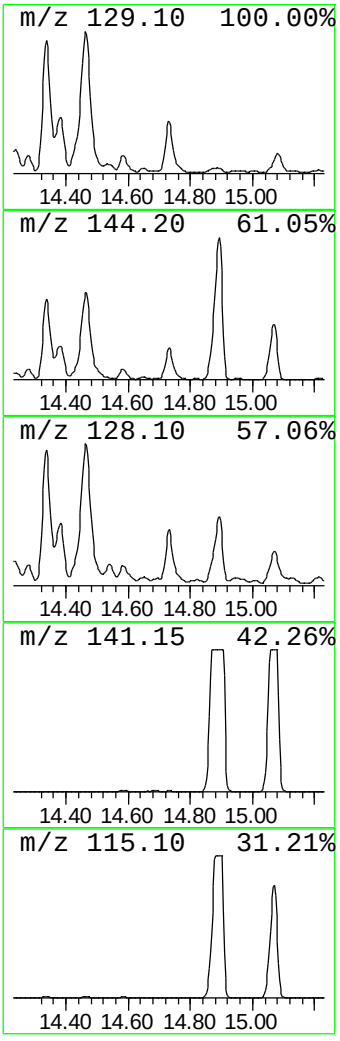
Peak Number 34 1H-Indene, 1,1-dimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	27.25 ug/L	1068210	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	86
2	(1-Methylbuta-1,3-dienyl)benzene	144	C11H12	054758-36-0	76
3	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	70
4	(1-Methylenebut-2-enyl)benzene	144	C11H12	070588-46-4	68
5	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	60





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031261.D
Acq On : 17 Apr 2019 15:50
Operator : JC/SP
Sample : K2455-02 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ4

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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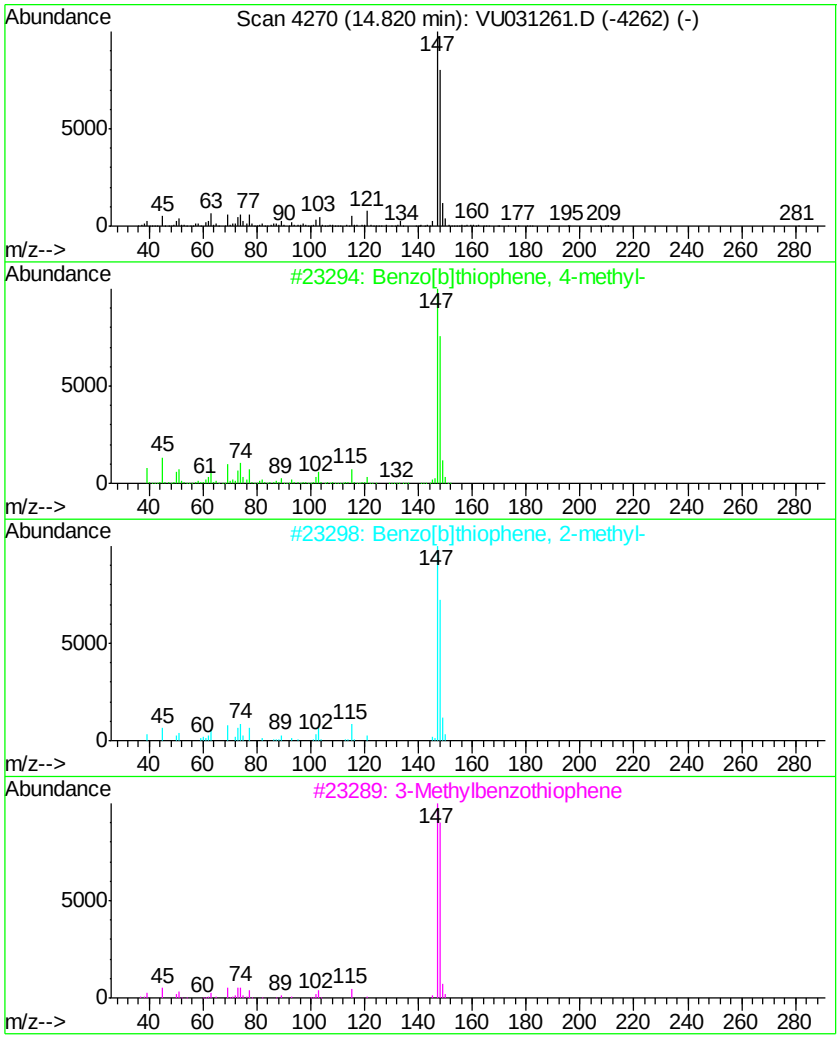
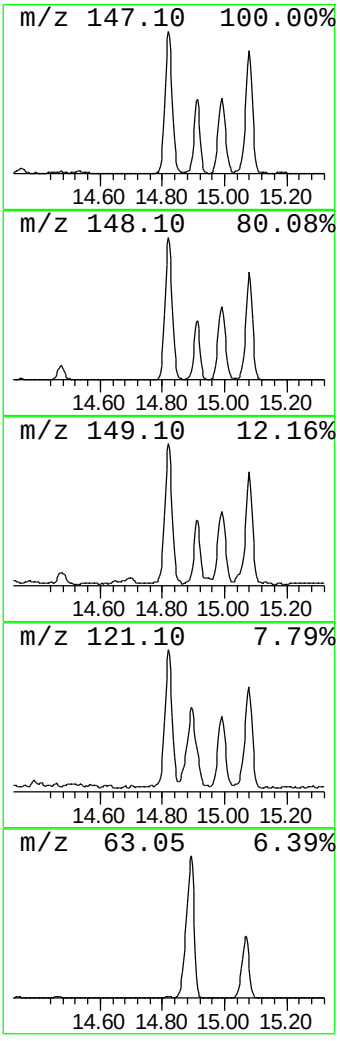
Peak Number 35 Benzo[b]thiophene, 4-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	43.75 ug/L	1714920	1,4-Dichlorobenzene-d4	11.48

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031261.D
Acq On : 17 Apr 2019 15:50
Operator : JC/SP
Sample : K2455-02 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ4

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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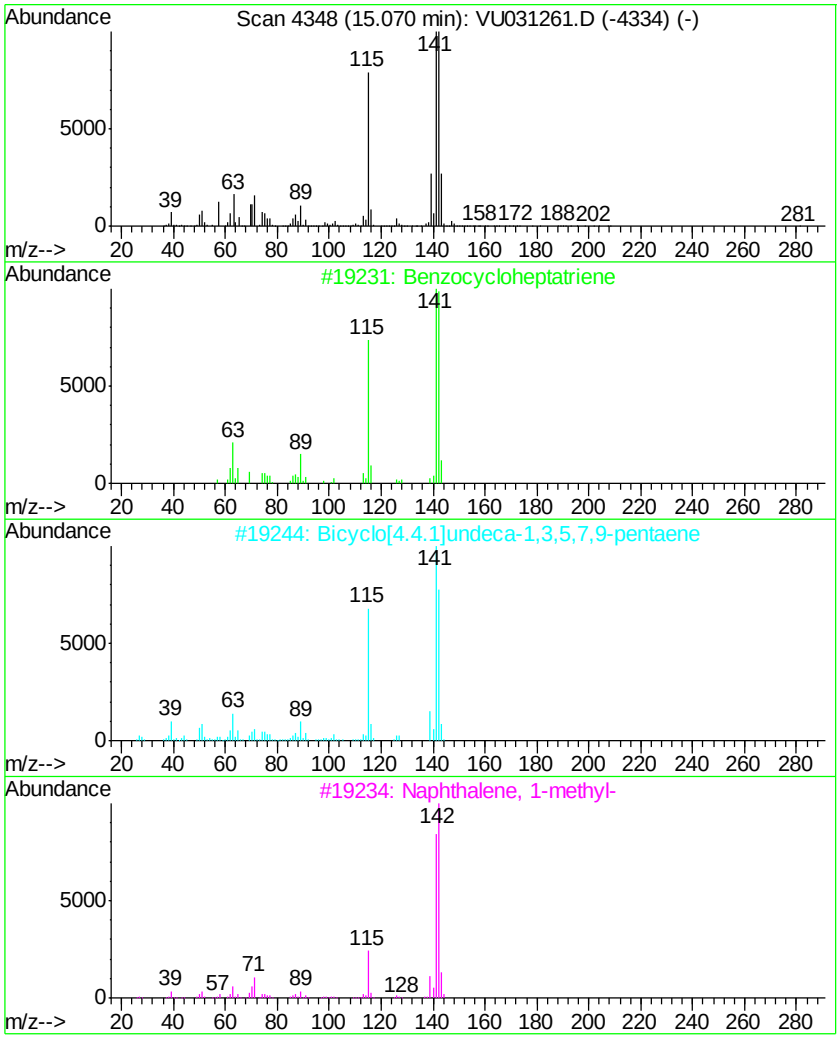
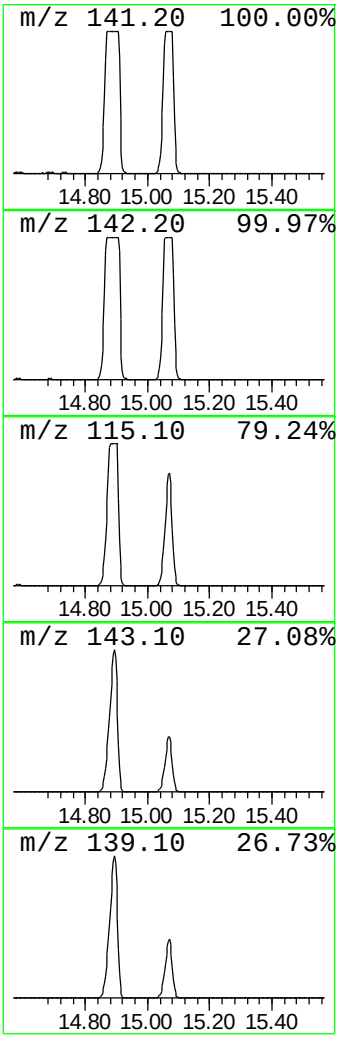
Peak Number 37 Benzocycloheptatriene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	2602.89 ug/L	102040000	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzocycloheptatriene	142	C11H10	000264-09-5	95
2	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	94
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031261.D
Acq On : 17 Apr 2019 15:50
Operator : JC/SP
Sample : K2455-02 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ4

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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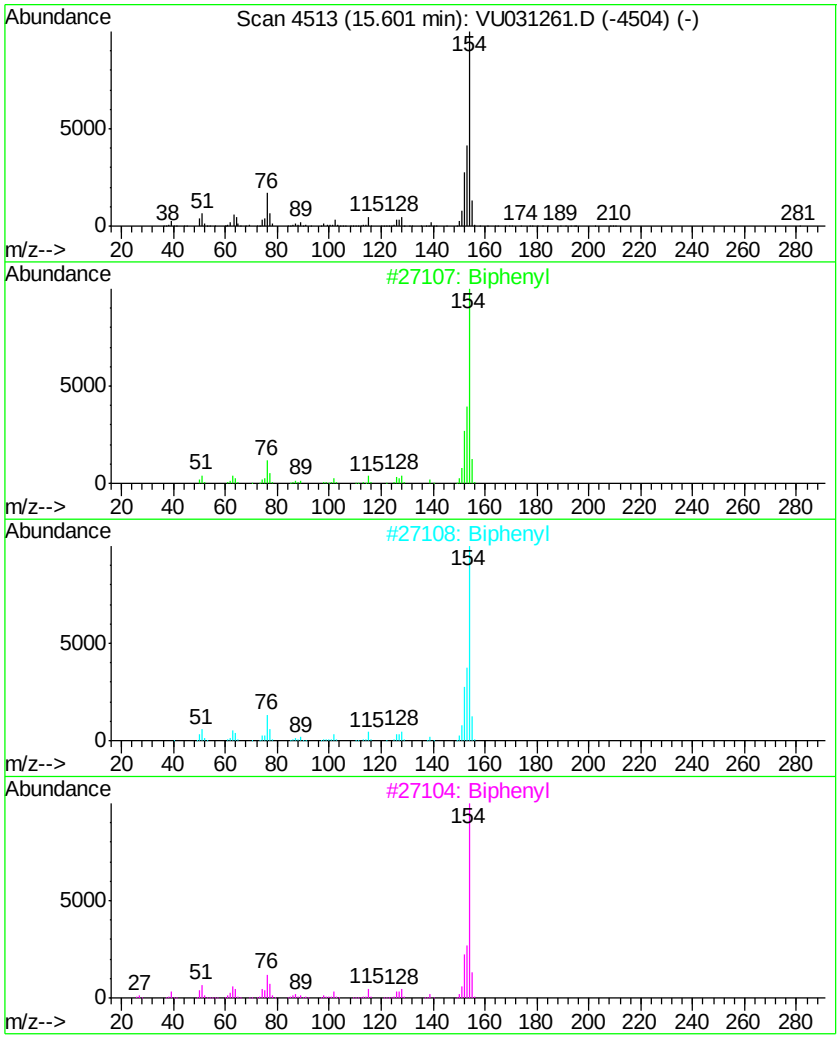
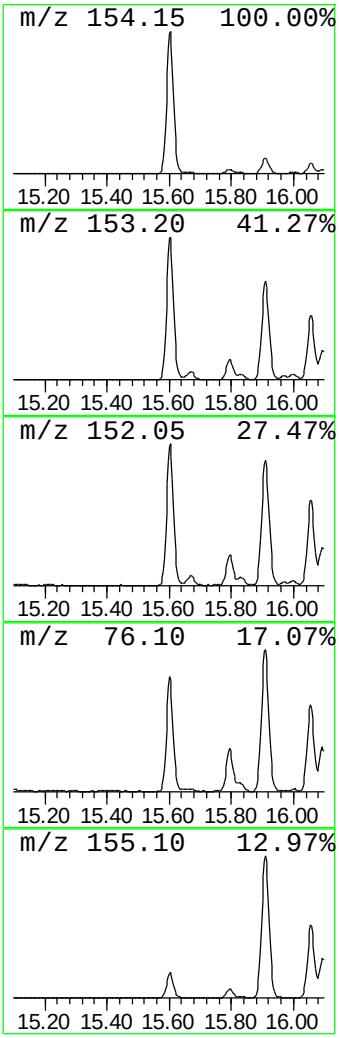
Peak Number 38 Biphenyl Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.60	68.59 ug/L	2688940	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	94
4	Biphenyl	154	C12H10	000092-52-4	93
5	Biphenyl	154	C12H10	000092-52-4	93





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031261.D
Acq On : 17 Apr 2019 15:50
Operator : JC/SP
Sample : K2455-02 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ4

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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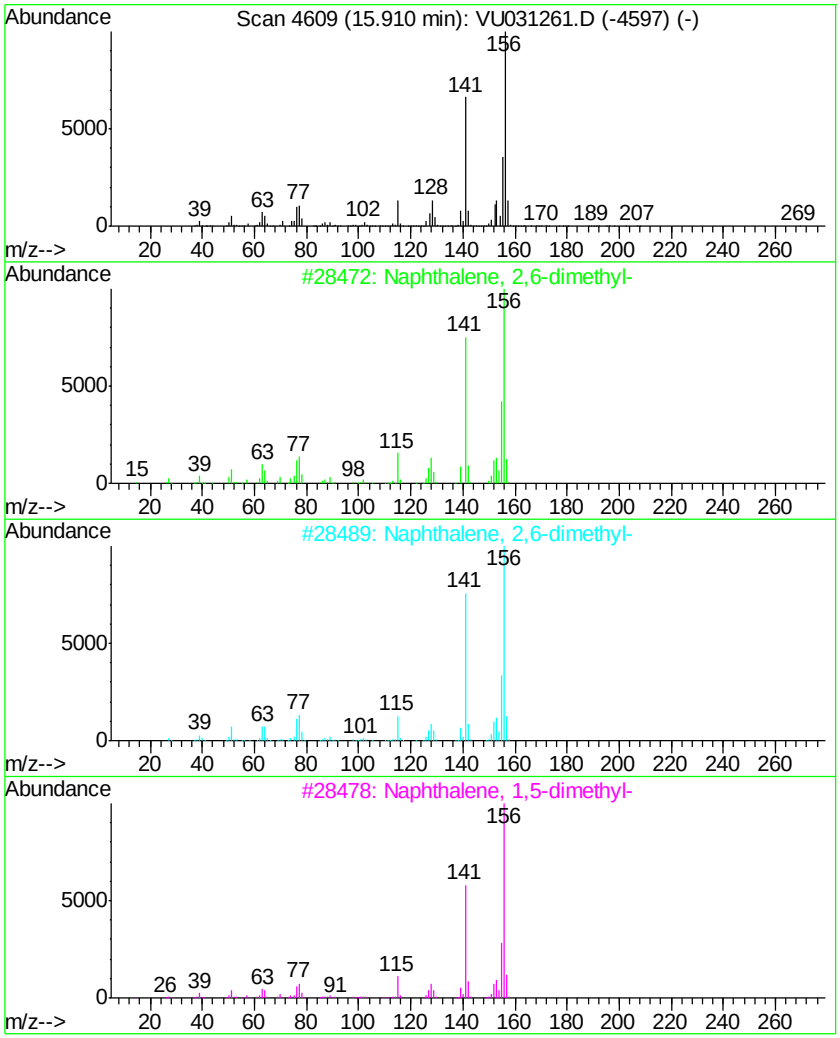
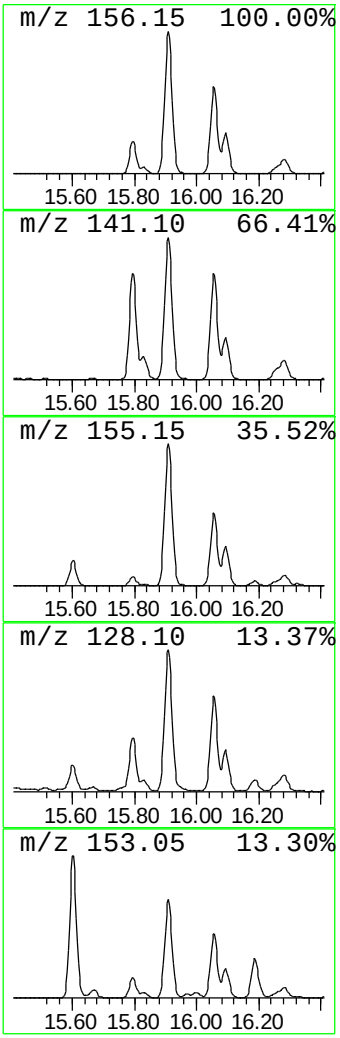
Peak Number 40 Naphthalene, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	230.63 ug/L	9041190	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, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031261.D
Acq On : 17 Apr 2019 15:50
Operator : JC/SP
Sample : K2455-02 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ4

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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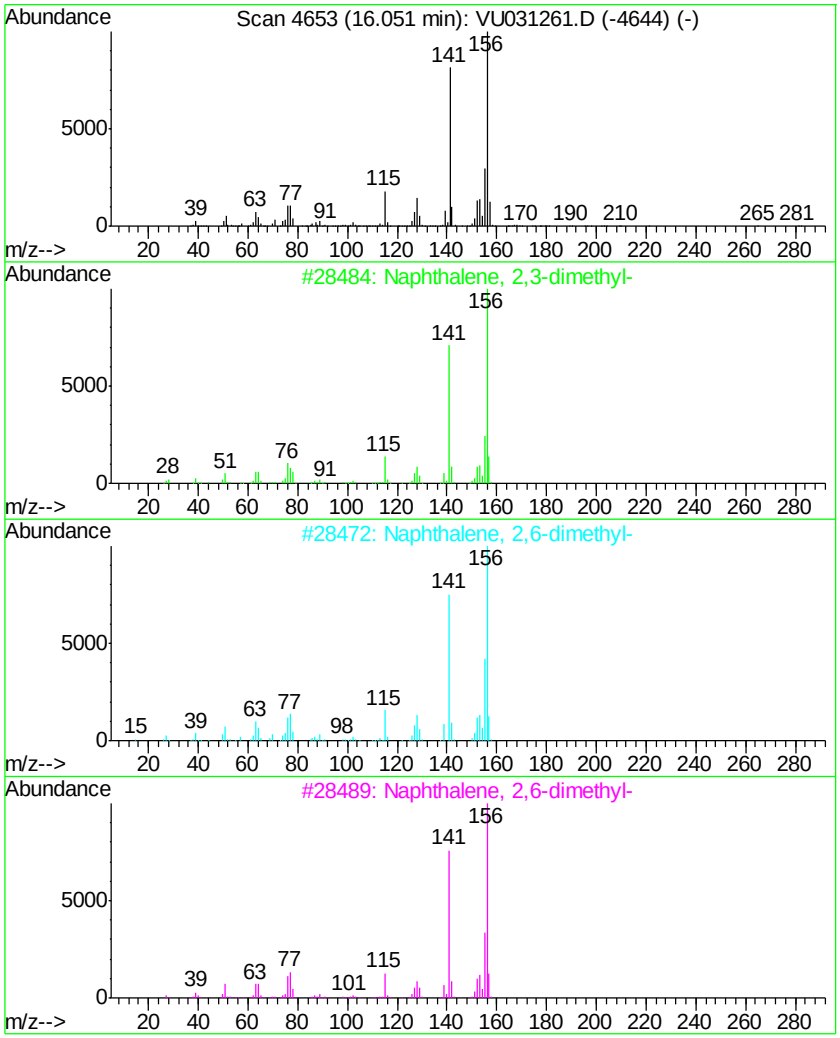
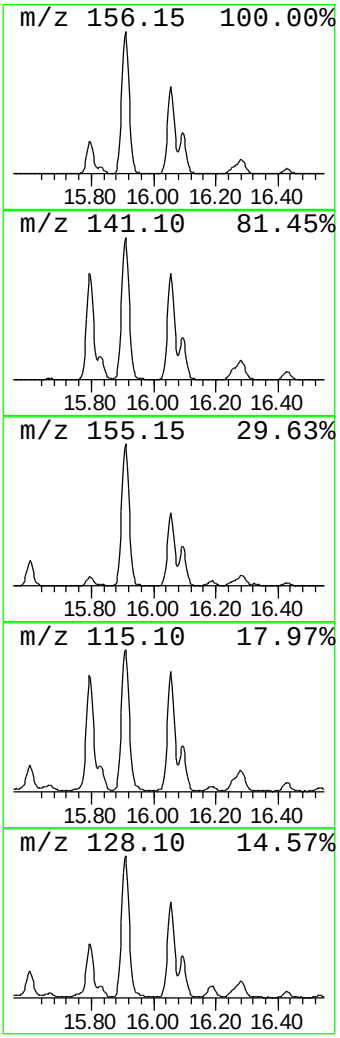
Peak Number 41 Naphthalene, 1,4-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	134.47 ug/L	5271470	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	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031261.D
Acq On : 17 Apr 2019 15:50
Operator : JC/SP
Sample : K2455-02 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ4

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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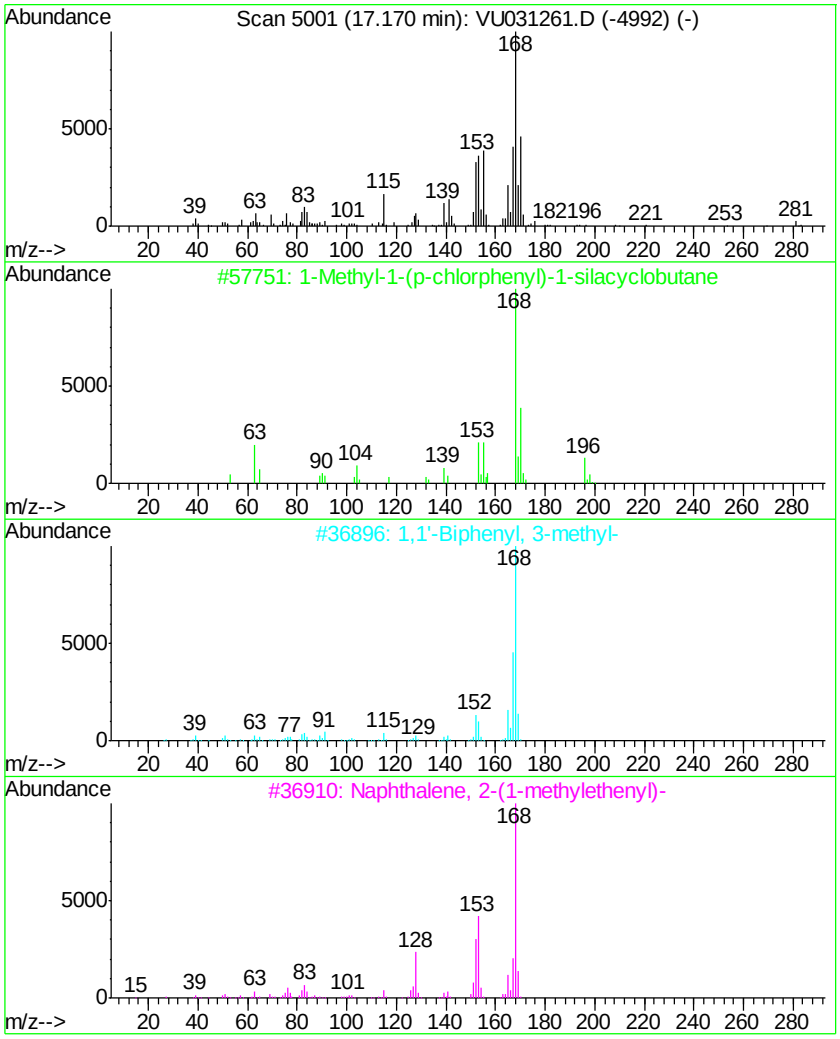
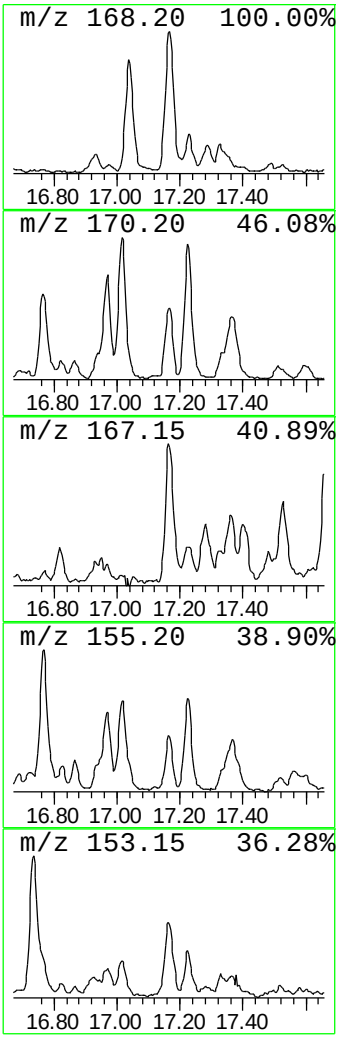
Peak Number 46 1-Methyl-1-(p-chlorphenyl)-... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.17	5.01 ug/L	196250	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyl-1-(p-chlorphenyl)-1-sil...	196	C10H13ClSi	057465-49-3	53
2	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	49
3	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	43
4	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	38
5	Benzofuran, 5-chloro-2,3-dihydro...	168	C9H9ClO	054410-96-7	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031261.D
Acq On : 17 Apr 2019 15:50
Operator : JC/SP
Sample : K2455-02 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ4

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
unknown-01	7.22	16.4	ug/L	474219	1	5.88	1441130	50.0
Benzene, 2-propenyl-	10.51	2.7	ug/L	106609	3	11.48	1960130	50.0
Benzene, propyl-	10.59	4.6	ug/L	178848	3	11.48	1960130	50.0
Benzene, 1-ethyl-...	10.68	41.3	ug/L	1620540	3	11.48	1960130	50.0
Benzene, 1,2,3-tr...	10.77	51.5	ug/L	2020570	3	11.48	1960130	50.0
Benzene, 1-ethyl-...	10.97	13.3	ug/L	522871	3	11.48	1960130	50.0
Benzene, 1-etheny...	11.21	231.1	ug/L	9061420	3	11.48	1960130	50.0
Benzene, 1-etheny...	11.26	78.1	ug/L	3062950	3	11.48	1960130	50.0
p-Cymene	11.42	5.3	ug/L	208585	3	11.48	1960130	50.0
Benzene, cyclopro...	11.76	57.6	ug/L	2258870	3	11.48	1960130	50.0
Indene	11.98	695.6	ug/L	27267900	3	11.48	1960130	50.0
Benzene, 1-ethyl-...	12.14	22.1	ug/L	864382	3	11.48	1960130	50.0
Benzene, 1-methyl...	12.22	25.2	ug/L	986247	3	11.48	1960130	50.0
Benzene, 1-etheny...	12.30	45.8	ug/L	1793510	3	11.48	1960130	50.0
Benzene, 1-methyl...	12.42	146.6	ug/L	5746880	3	11.48	1960130	50.0
Benzene, 4-etheny...	12.82	128.4	ug/L	5033550	3	11.48	1960130	50.0
Benzene, 2-etheny...	12.96	37.4	ug/L	1464370	3	11.48	1960130	50.0
2-Methyl-7-endo-v...	13.03	7.2	ug/L	281920	3	11.48	1960130	50.0
Benzene, 1,2,4,5-...	13.12	196.1	ug/L	7685680	3	11.48	1960130	50.0
2-Methylindene	13.18	249.3	ug/L	9771120	3	11.48	1960130	50.0
Tetracyclo[5.3.0....	13.38	58.6	ug/L	2295820	3	11.48	1960130	50.0
(DEL) Alkane: Str...	14.14	53.5	ug/L	2096390	3	11.48	1960130	50.0
1H-Indene, 1,3-di...	14.34	69.8	ug/L	2736080	3	11.48	1960130	50.0
Bicyclo[4.4.1]und...	14.58	19.1	ug/L	748741	3	11.48	1960130	50.0
1H-Indene, 1,1-di...	14.73	27.3	ug/L	1068210	3	11.48	1960130	50.0
Benzo[b]thiophene...	14.82	43.8	ug/L	1714920	3	11.48	1960130	50.0
Benzocycloheptatr...	15.07	2602.9	ug/L	102040000	3	11.48	1960130	50.0
Biphenyl	15.60	68.6	ug/L	2688940	3	11.48	1960130	50.0
Naphthalene, 2,6-...	15.91	230.6	ug/L	9041190	3	11.48	1960130	50.0
Naphthalene, 1,4-...	16.05	134.5	ug/L	5271470	3	11.48	1960130	50.0
1-Methyl-1-(p-chl...	17.17	5.0	ug/L	196250	3	11.48	1960130	50.0