LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042319\
Data File : VU031445.D
Acq On : 23 Apr 2019 17:56
Operator : JC/SP
Sample : K2481-17DL 20X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0DL

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\SOMULM042319WMA.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	1.183	24	29	36	rVB	19612	18281	0.04%	0.011%
2	1.395	88	95	110	rVB	297423	333369	0.79%	0.198%
3	1.682	176	184	195	rBV	254315	328931	0.78%	0.195%
4	2.267	356	366	380	rVB	545486	836403	1.98%	0.497%
5	2.447	418	422	424	rBV4	946	847	0.00%	0.001%
6	2.694	492	499	507	rBV10	2051	3801	0.01%	0.002%
7	3.190	649	653	656	rVB2	1247	1072	0.00%	0.001%
8	3.215	656	661	665	rBV4	1089	1013	0.00%	0.001%
9	3.289	678	684	686	rBV6	2103	1864	0.00%	0.001%
10	3.366	703	708	711	rBV2	940	791	0.00%	0.000%
11	3.845	852	857	862	rBV3	1173	1326	0.00%	0.001%
12	3.977	894	898	901	rBV3	1027	913	0.00%	0.001%
13	4.193	952	965	1012	rBV	212819	701634	1.66%	0.417%
14	4.643	1087	1105	1133	rVV	378297	916153	2.17%	0.544%
15	4.878	1174	1178	1180	rVV3	1690	1289	0.00%	0.001%
16	4.974	1201	1208	1210	rBV7	2712	2658	0.01%	0.002%
17	5.212	1275	1282	1285	rBV6	1625	1982	0.00%	0.001%
18	5.337	1297	1321	1348	rBV2	802109	2400022	5.68%	1.425%
19	5.784	1455	1460	1461	rBV4	1230	955	0.00%	0.001%
20	5.884	1476	1491	1518	rBV	876023	1785455	4.22%	1.060%
21	6.183	1572	1584	1597	rVV	12536	28431	0.07%	0.017%
22	6.328	1614	1629	1660	rBV	527052	1087699	2.57%	0.646%
23	6.582	1703	1708	1711	rBV6	1061	1036	0.00%	0.001%
24	6.646	1725	1728	1731	rVB3	1351	891	0.00%	0.001%
25	6.759	1758	1763	1765	rBV4	1277	951	0.00%	0.001%
26	6.839	1782	1788	1791	rBV3	892	858	0.00%	0.001%
27	6.900	1803	1807	1809	rBV3	1231	939	0.00%	0.001%
28	6.916	1809	1812	1816	rVV2	1092	776	0.00%	0.000%
29	7.099	1864	1869	1871	rBV2	1054	887	0.00%	0.001%
30	7.225	1896	1908	1940	rVV	296500	566560	1.34%	0.336%
31	7.427	1968	1971	1973	rBV3	1324	1031	0.00%	0.001%
32	7.472	1982	1985	1988	rBV4	994	747	0.00%	0.000%
33	7.562	2000	2013	2030	rBV	1012060	1838535	4.35%	1.092%
34	7.849	2089	2102	2129	rBV	197415	370288	0.88%	0.220%

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Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0DL

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\SOMULM042319WMA.M
Title : VOC Analysis

35	8.045	2161	2163	2170	rVB4	2039	1792	0.00%	0.001%
36	8.170	2200	2202	2205	rVV2	1753	1014	0.00%	0.001%
37	8.312	2235	2246	2281	rBV	819446	1539304	3.64%	0.914%
38	8.681	2358	2361	2364	rBV3	1127	909	0.00%	0.001%
39	8.996	2456	2459	2463	rBV3	1219	863	0.00%	0.001%
40	9.086	2474	2487	2526	rBV	1229829	2171341	5.14%	1.289%
41	9.247	2528	2537	2553	rBV	67541	115869	0.27%	0.069%
42	9.369	2562	2575	2613	rBV	1425634	2478357	5.86%	1.471%
43	9.662	2664	2666	2670	rVB2	1388	874	0.00%	0.001%
44	9.781	2690	2703	2737	rBV3	906984	1885575	4.46%	1.119%
45	10.006	2771	2773	2777	rBV5	1268	1161	0.00%	0.001%
46	10.045	2782	2785	2790	rVB7	2745	2489	0.01%	0.001%
47	10.167	2814	2823	2832	rBV2	17702	29636	0.07%	0.018%
48	10.299	2858	2864	2867	rBV6	3030	3503	0.01%	0.002%
49	10.373	2884	2887	2892	rBV7	2119	2263	0.01%	0.001%
50	10.427	2892	2904	2923	rBV	767810	1231173	2.91%	0.731%
51	10.585	2942	2953	2969	rBV	60169	104088	0.25%	0.062%
52	10.678	2969	2982	2999	rBV	456129	987585	2.34%	0.586%
53	10.768	3000	3010	3020	rBV	387753	599520	1.42%	0.356%
54	11.144	3109	3127	3138	rBV	1344717	2178518	5.15%	1.293%
55	11.212	3138	3148	3157	rVV	1878964	2876865	6.81%	1.708%
56	11.263	3157	3164	3178	rVB	667161	1034460	2.45%	0.614%
57	11.479	3221	3231	3249	rBV	1324536	2140120	5.06%	1.271%
58	11.569	3250	3259	3268	rVV	409301	643390	1.52%	0.382%
59	11.623	3268	3276	3291	rVB2	187850	301863	0.71%	0.179%
60	11.765	3309	3320	3328	rBV3	147169	285574	0.68%	0.170%
61	11.858	3339	3349	3365	rVB2	1151539	2010858	4.76%	1.194%
62	11.977	3374	3386	3397	rBV	4416677	6939712	16.42%	4.120%
63	12.144	3430	3438	3441	rBV	81890	111680	0.26%	0.066%
64	12.218	3454	3461	3466	rBV	164573	248225	0.59%	0.147%
65	12.302	3479	3487	3498	rVB2	176171	317296	0.75%	0.188%
66	12.424	3516	3525	3535	rVB	703670	1075547	2.54%	0.639%
67	12.482	3535	3543	3556	rVB2	209437	320817	0.76%	0.190%
68	12.646	3587	3594	3602	rVB2	161767	227794	0.54%	0.135%
69	12.704	3602	3612	3624	rBV3	400695	818837	1.94%	0.486%
70	12.819	3640	3648	3659	rBV	505755	825502	1.95%	0.490%
71	12.961	3685	3692	3706	rVB2	122333	183366	0.43%	0.109%

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Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0DL

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\SOMULM042319WMA.M
Title : VOC Analysis

72	13.083	3724	3730	3731	rBV5	35846	35913	0.08%	0.021%
73	13.118	3733	3741	3750	rVV2	567579	874466	2.07%	0.519%
74	13.180	3750	3760	3773	rVB	2307392	3538700	8.37%	2.101%
75	13.286	3782	3793	3810	rVB	2643034	4352756	10.30%	2.584%
76	13.385	3812	3824	3838	rVB2	221277	507900	1.20%	0.302%
77	13.504	3856	3861	3868	rVB4	69720	84814	0.20%	0.050%
78	13.739	3921	3934	3949	rBV2	26522708	42272664	100.00%	25.098%
79	13.858	3965	3971	3986	rVB	245487	409025	0.97%	0.243%
80	14.138	4051	4058	4065	rBV2	215126	319270	0.76%	0.190%
81	14.279	4097	4102	4110	rVB	159184	212633	0.50%	0.126%
82	14.334	4110	4119	4128	rBV2	436583	745555	1.76%	0.443%
83	14.462	4149	4159	4176	rVB	370857	784609	1.86%	0.466%
84	14.585	4190	4197	4208	rVB3	147889	232296	0.55%	0.138%
85	14.726	4235	4241	4259	rVB	285059	504588	1.19%	0.300%
86	14.816	4262	4269	4275	rBV	123585	182376	0.43%	0.108%
87	14.874	4275	4287	4305	rVB	20390910	31647617	74.87%	18.790%
88	15.057	4332	4344	4366	rBV	8544030	13582996	32.13%	8.064%
89	15.604	4505	4514	4524	rBV	641380	944984	2.24%	0.561%
90	15.794	4565	4573	4581	rBV	710571	1064612	2.52%	0.632%
91	15.909	4597	4609	4627	rBV	3761109	6475921	15.32%	3.845%
92	16.054	4644	4654	4661	rBV	3170536	4976373	11.77%	2.955%
93	16.093	4662	4666	4681	rVB	1547981	2136609	5.05%	1.269%
94	16.186	4685	4695	4707	rBV	996410	1575526	3.73%	0.935%
95	16.279	4709	4724	4748	rVB	911619	2182670	5.16%	1.296%
96	16.427	4761	4770	4782	rBV	405242	641127	1.52%	0.381%
97	16.523	4789	4800	4817	rVB3	1037236	1983843	4.69%	1.178%
98	17.015	4947	4953	4976	rVB2	263354	526606	1.25%	0.313%
99	17.166	4991	5000	5010	rBV2	261330	426017	1.01%	0.253%
100	17.224	5011	5018	5029	rVB2	173807	272598	0.64%	0.162%

Sum of corrected areas: 168431192

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
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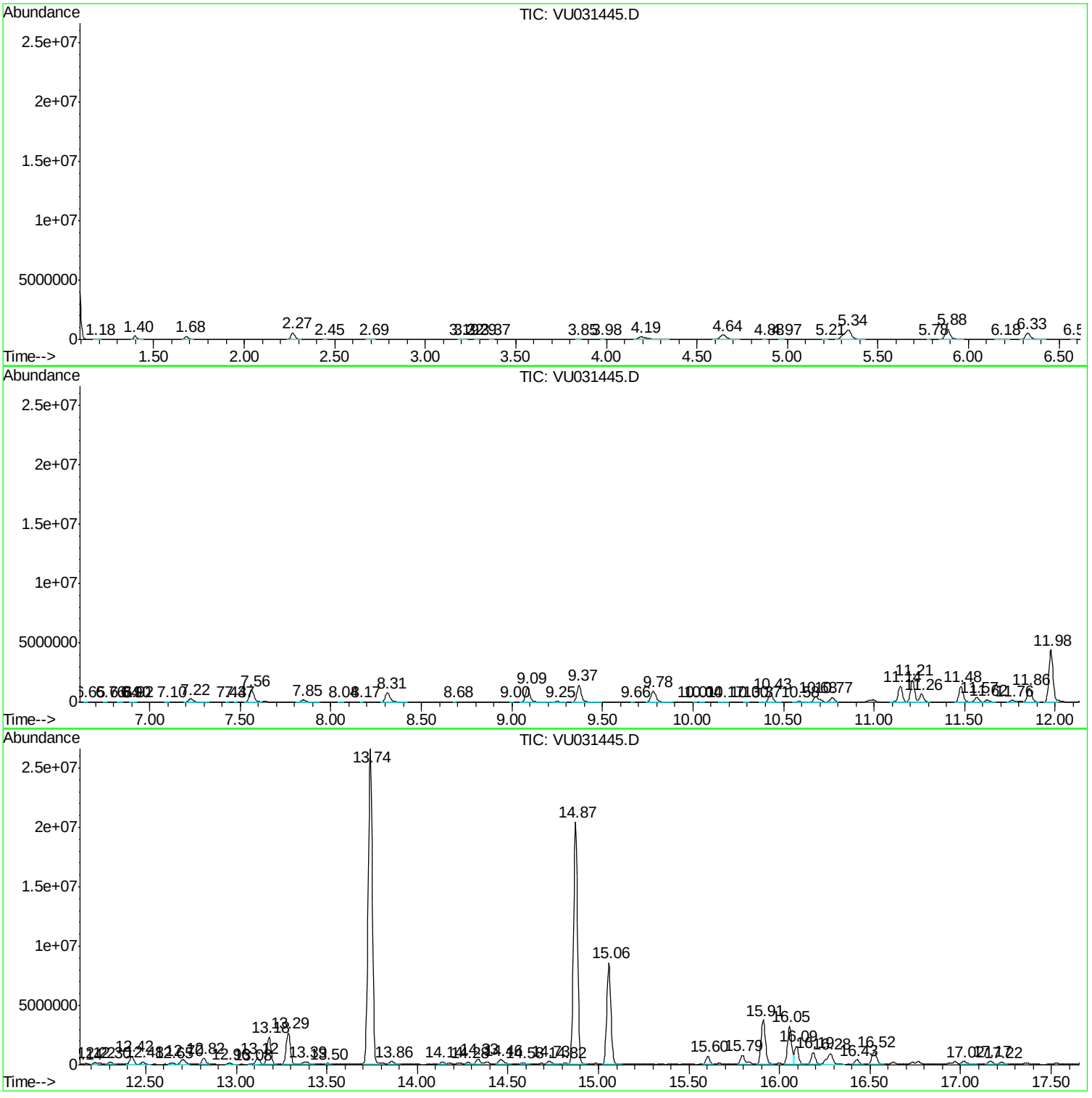
Acq On : 23 Apr 2019 17:56
Operator : JC/SP
Sample : K2481-17DL 20X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.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\VU042319\
Data File : VU031445.D
Acq On : 23 Apr 2019 17:56
Operator : JC/SP
Sample : K2481-17DL 20X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

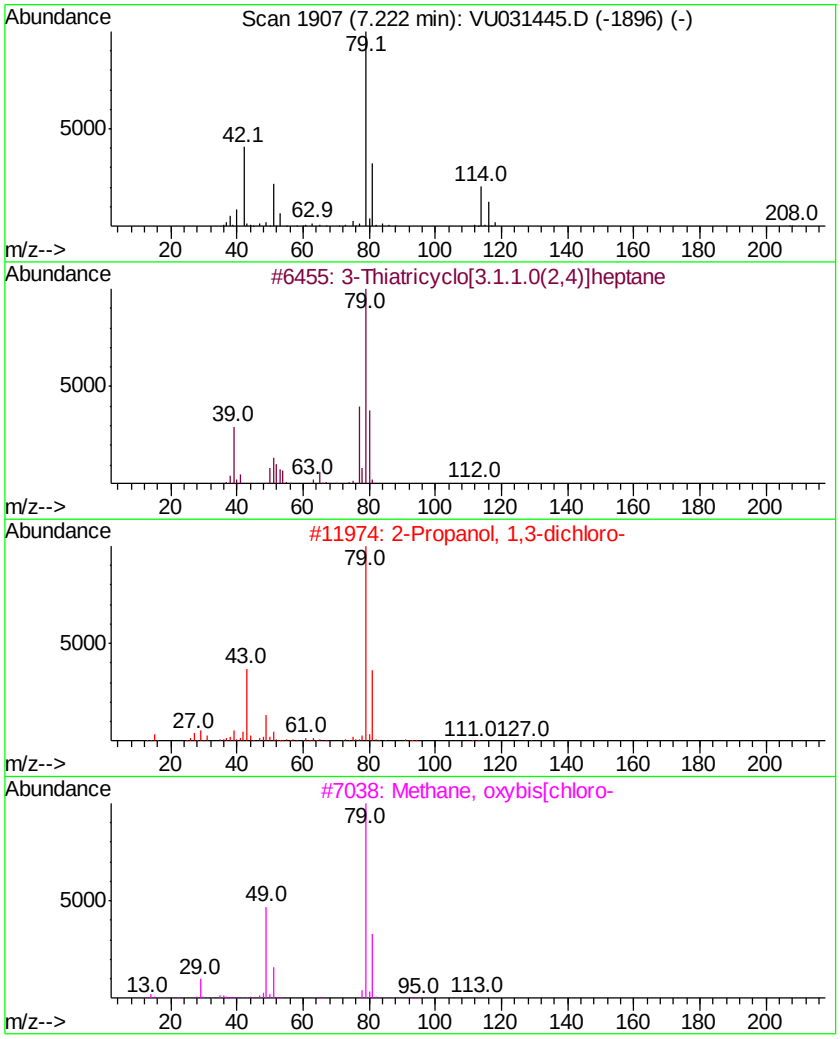
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

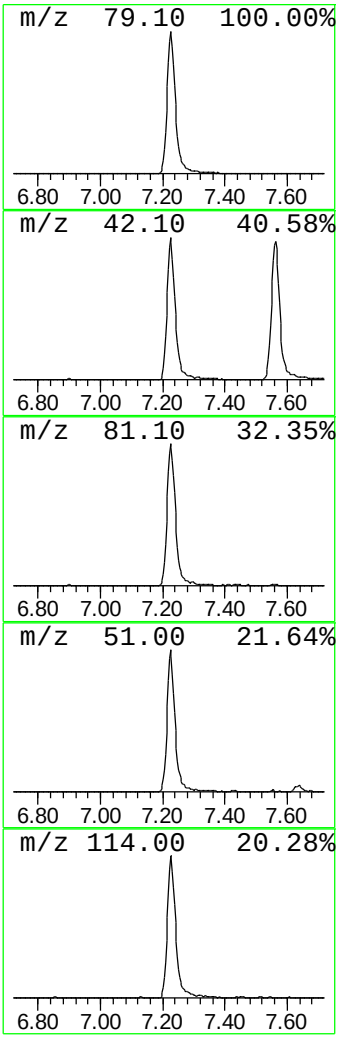
****

Peak Number 1 unknown-01 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.22	15.87 ug/L	566560	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Thiatricyclo[3.1.1.0(2,4)]heptane	112	C6H8S	1000221-37-0	25
2	2-Propanol, 1,3-dichloro-	128	C3H6Cl2O	000096-23-1	23
3	Methane, oxybis[chloro-	114	C2H4Cl2O	000542-88-1	23
4	Thiophosgene	114	CCl2S	000463-71-8	9
5	1,3-Cyclohexadiene	80	C6H8	000592-57-4	9





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ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

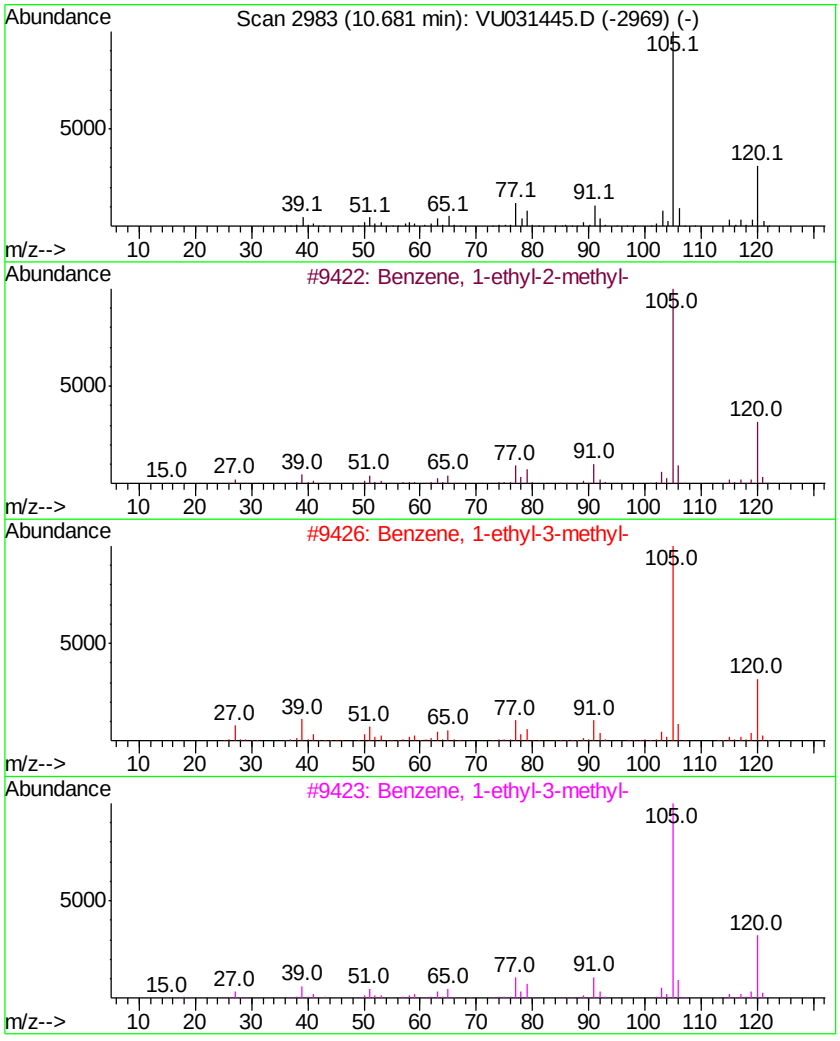
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

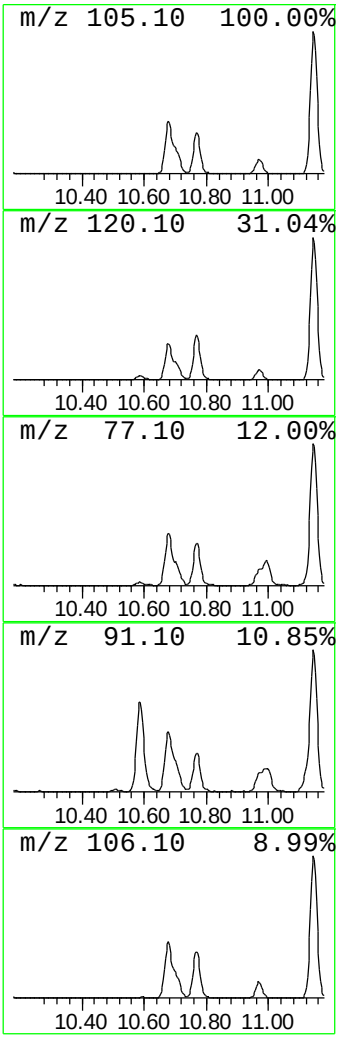
****

Peak Number 2 Benzene, 1-ethyl-2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	23.07 ug/L	987585	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Data File : VU031445.D
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Sample : K2481-17DL 20X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

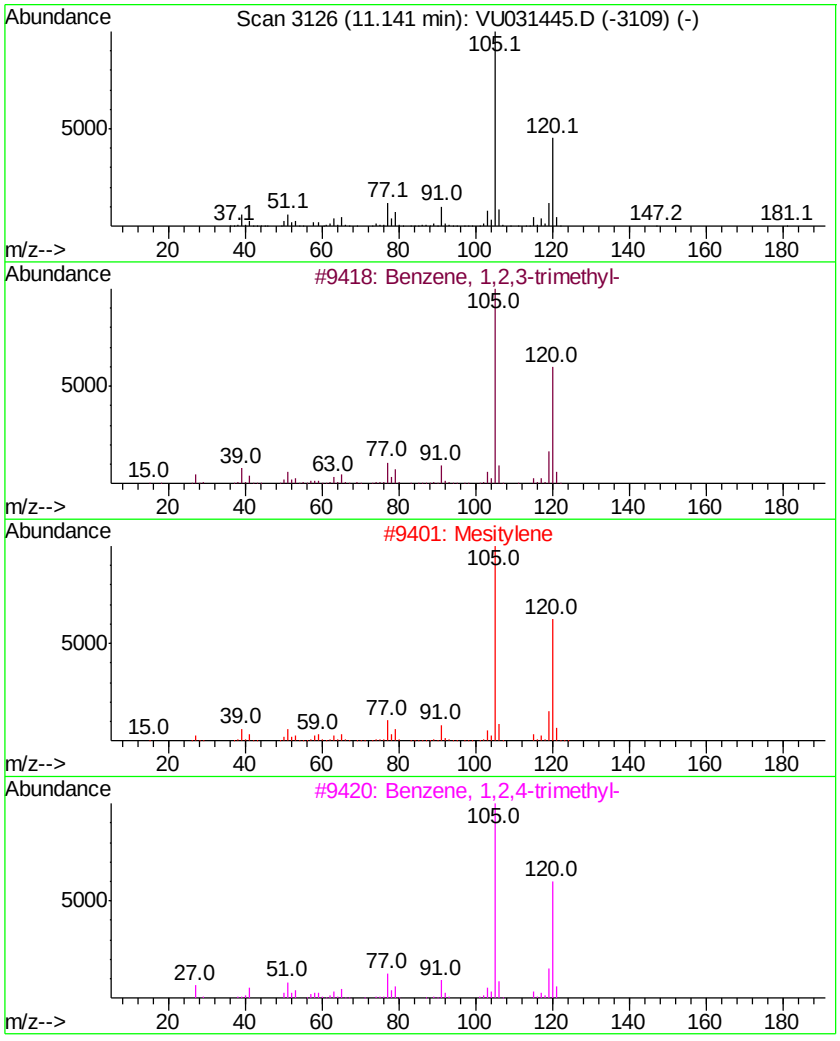
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

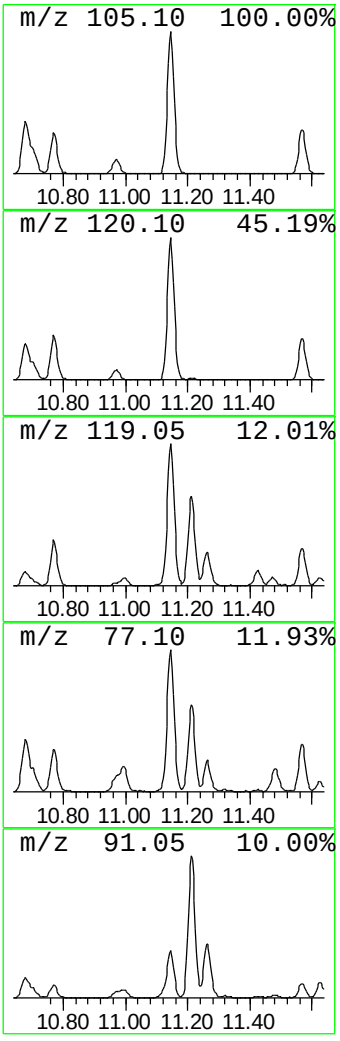
****

Peak Number 4 Benzene, 1,2,3-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	50.90 ug/L	2178520	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	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
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Acq On : 23 Apr 2019 17:56
Operator : JC/SP
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ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

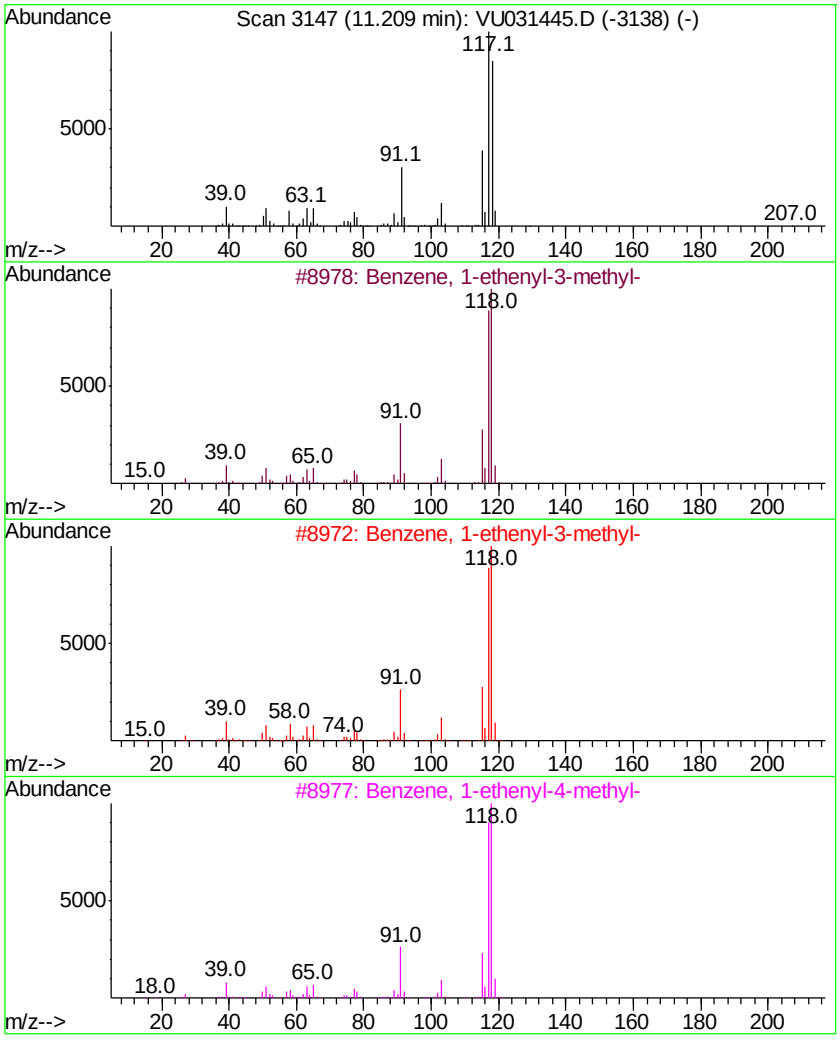
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

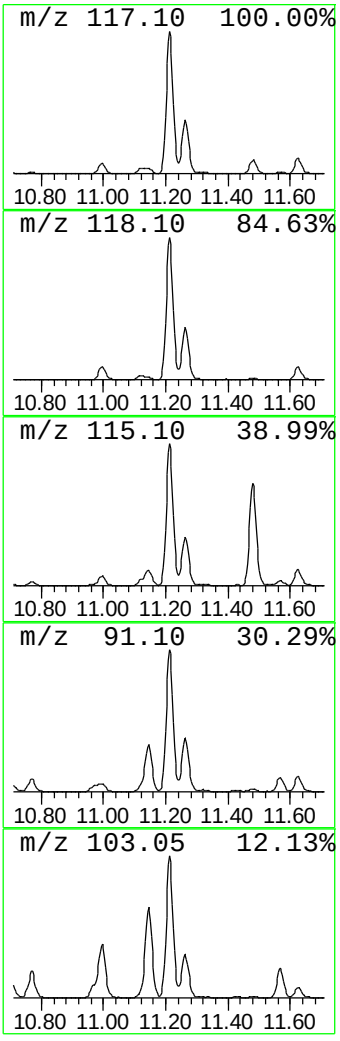
****

Peak Number 5 Benzene, 1-ethenyl-3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	67.21 ug/L	2876870	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-4-methyl-	118	C9H10	000622-97-9	95
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Data File : VU031445.D
Acq On : 23 Apr 2019 17:56
Operator : JC/SP
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Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
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Instrument : MSVOA_U
ClientSampleId : GAHX0DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

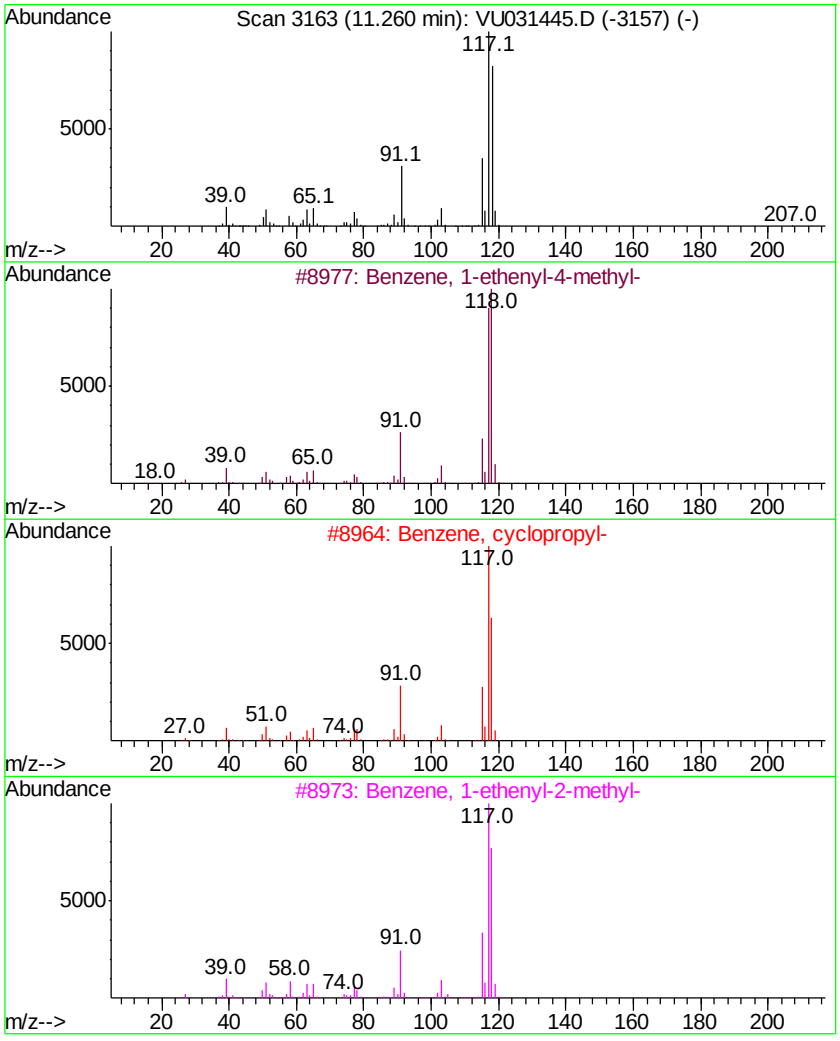
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

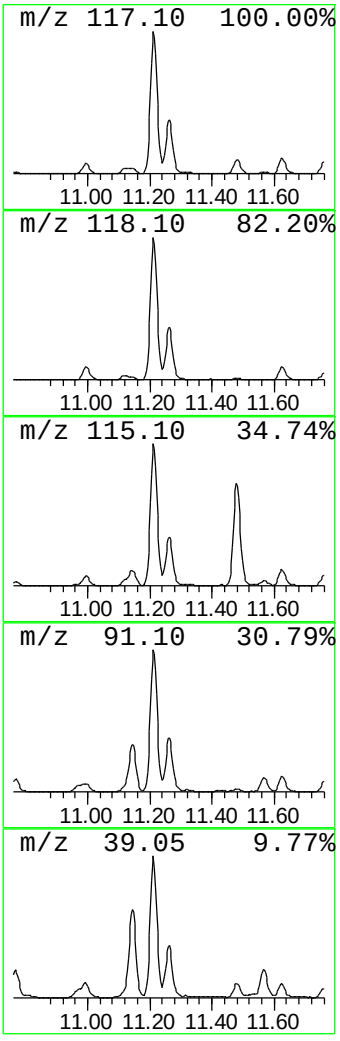
****

Peak Number 6 Benzene, 1-ethenyl-4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	24.17 ug/L	1034460	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, 1-propenyl-	118	C9H10	000637-50-3	93
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Data File : VU031445.D
Acq On : 23 Apr 2019 17:56
Operator : JC/SP
Sample : K2481-17DL 20X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

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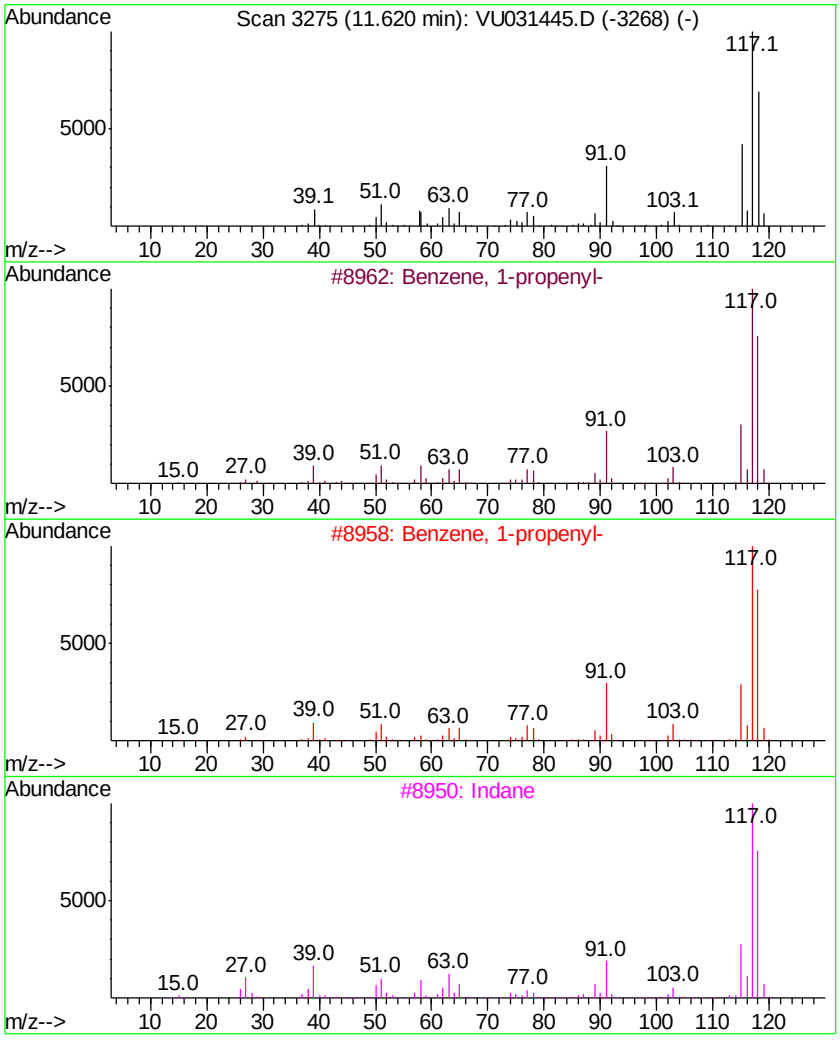
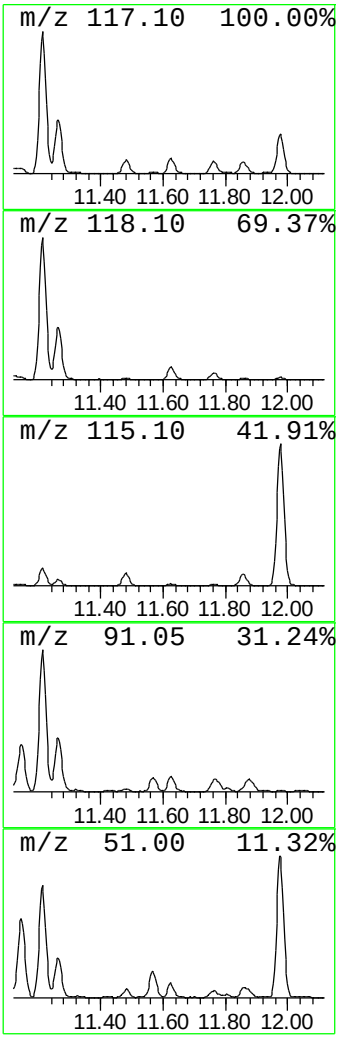
Peak Number 8 Benzene, 1-propenyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	7.05 ug/L	301863	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, 1-propenyl-	118	C9H10	000637-50-3	93
3	Indane	118	C9H10	000496-11-7	93
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	93
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	92





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Data File : VU031445.D
Acq On : 23 Apr 2019 17:56
Operator : JC/SP
Sample : K2481-17DL 20X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

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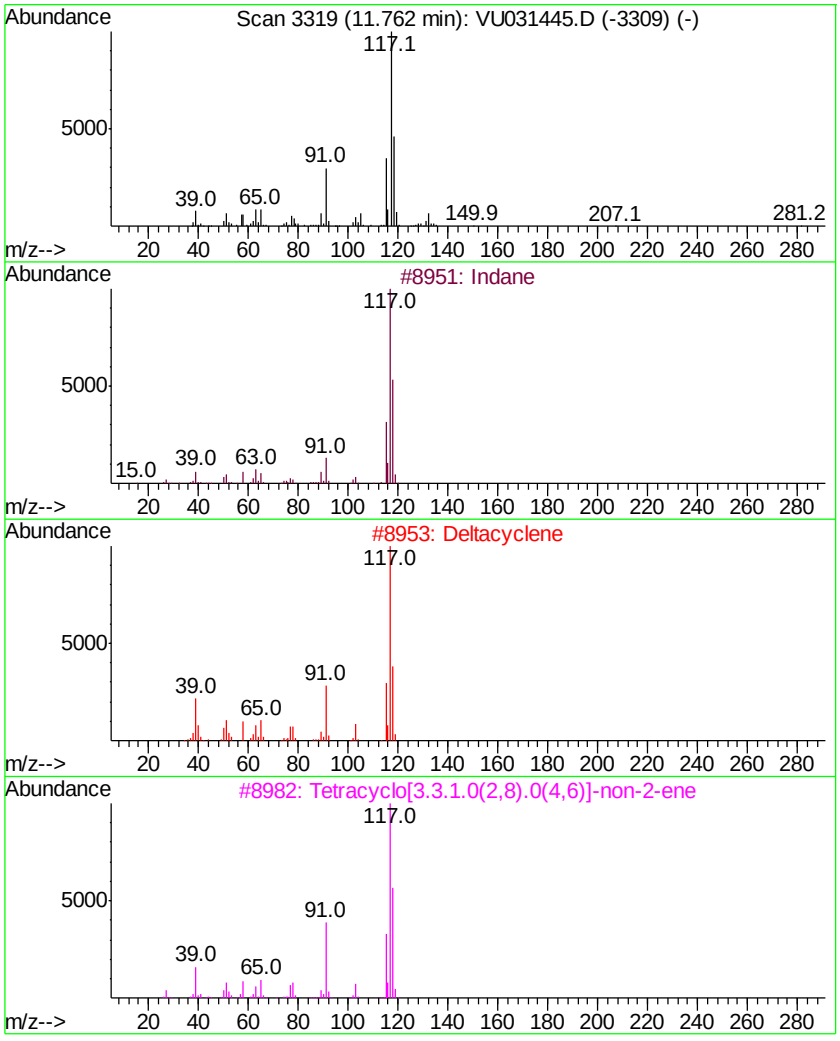
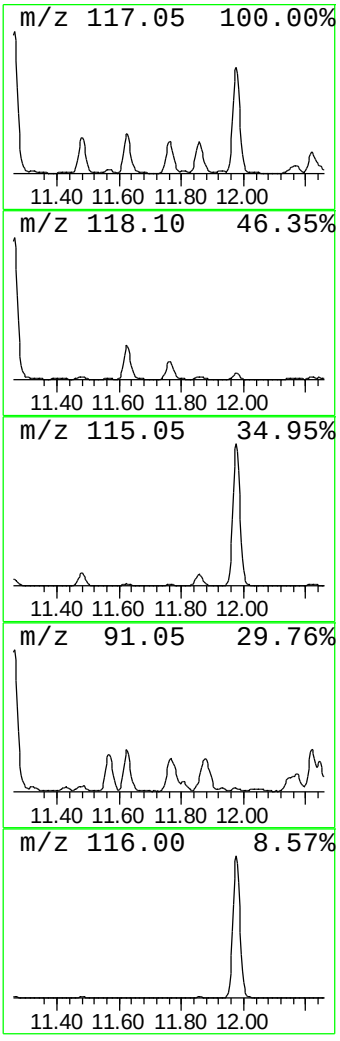
Peak Number 9 Indane Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	6.67 ug/L	285574	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	68
2	Deltacyclene	118	C9H10	007785-10-6	64
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	64
4	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	60
5	Deltacyclene	118	C9H10	007785-10-6	58





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Data File : VU031445.D
Acq On : 23 Apr 2019 17:56
Operator : JC/SP
Sample : K2481-17DL 20X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

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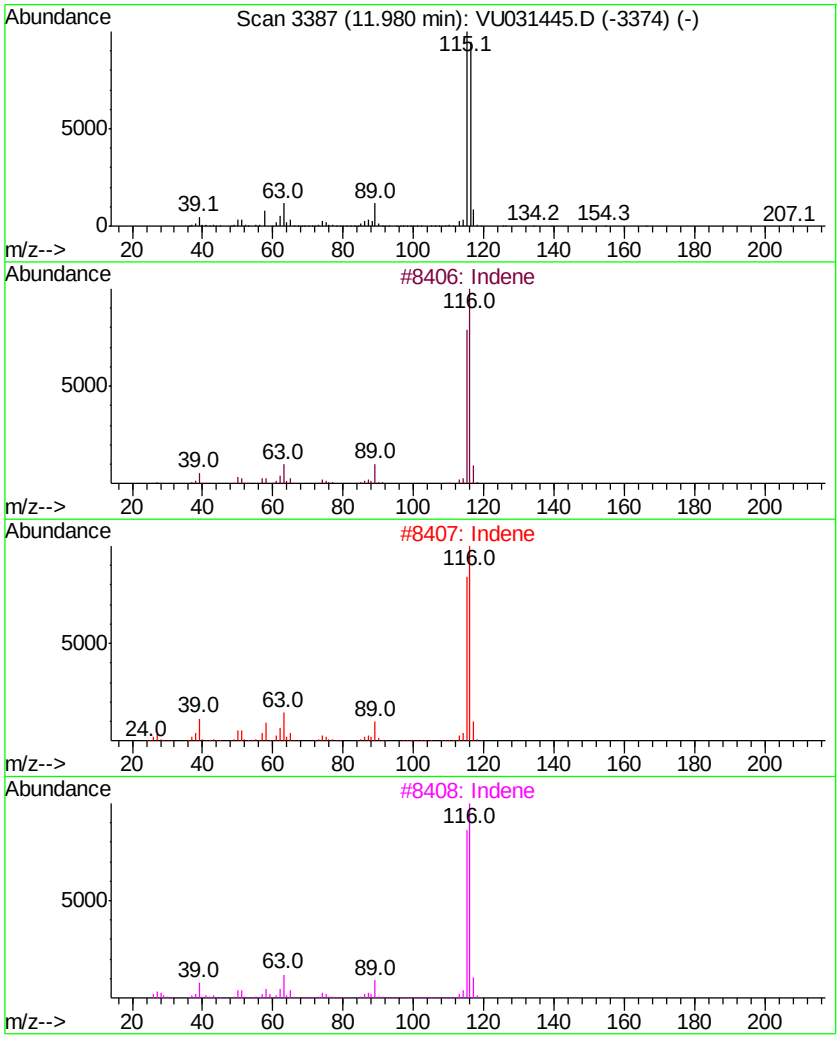
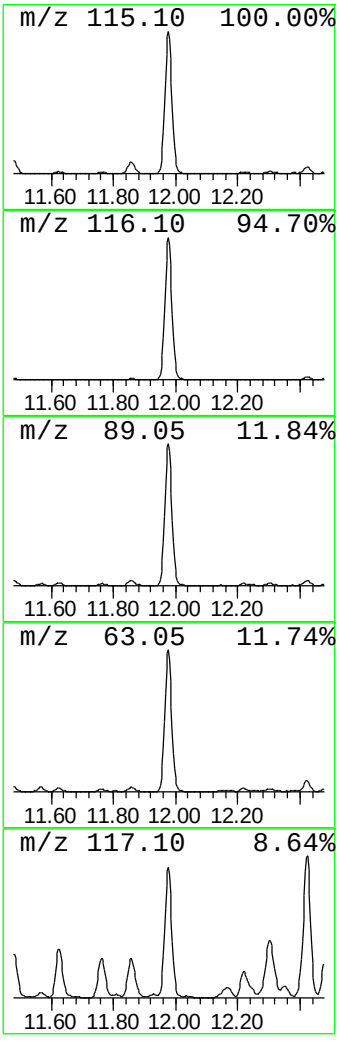
Peak Number 10 Indene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	162.13 ug/L	6939710	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	95
3	Indene	116	C9H8	000095-13-6	95
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
5	3-Methylphenylacetylene	116	C9H8	000766-82-5	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Data File : VU031445.D
Acq On : 23 Apr 2019 17:56
Operator : JC/SP
Sample : K2481-17DL 20X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

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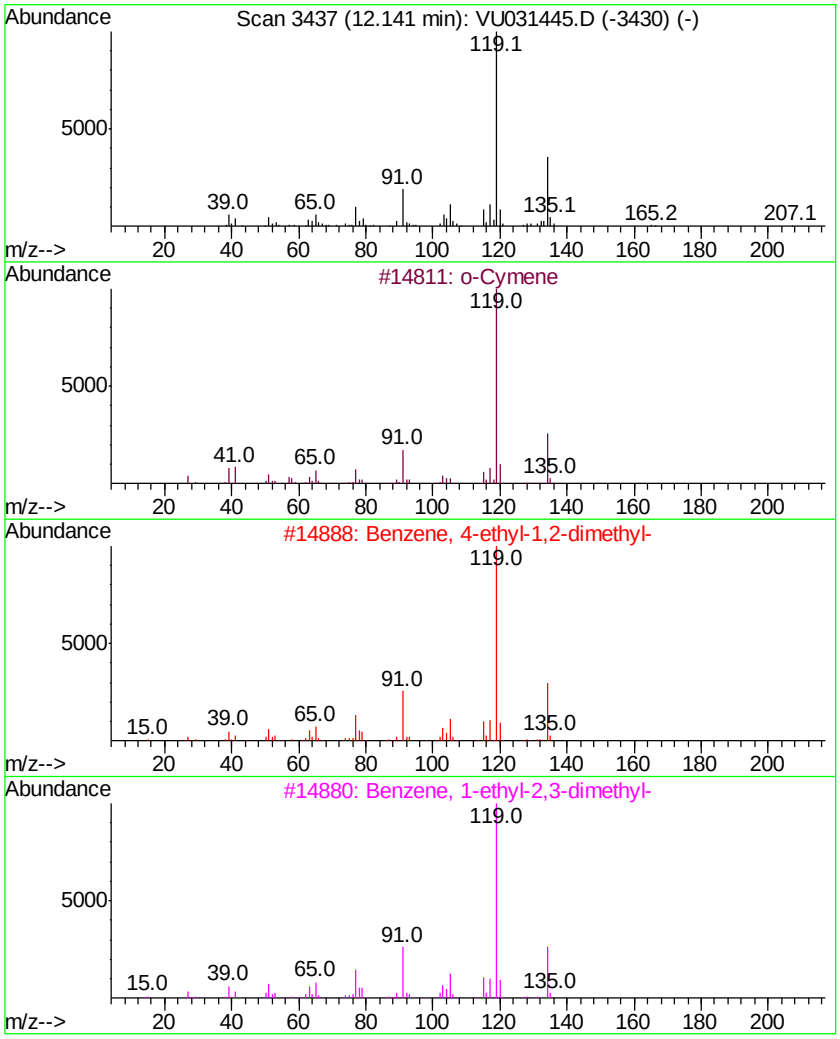
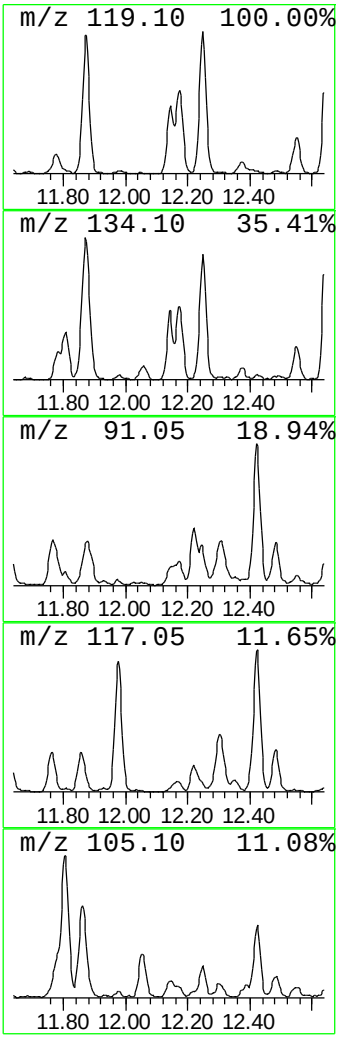
Peak Number 11 o-Cymene Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	2.61 ug/L	111680	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	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Data File : VU031445.D
Acq On : 23 Apr 2019 17:56
Operator : JC/SP
Sample : K2481-17DL 20X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

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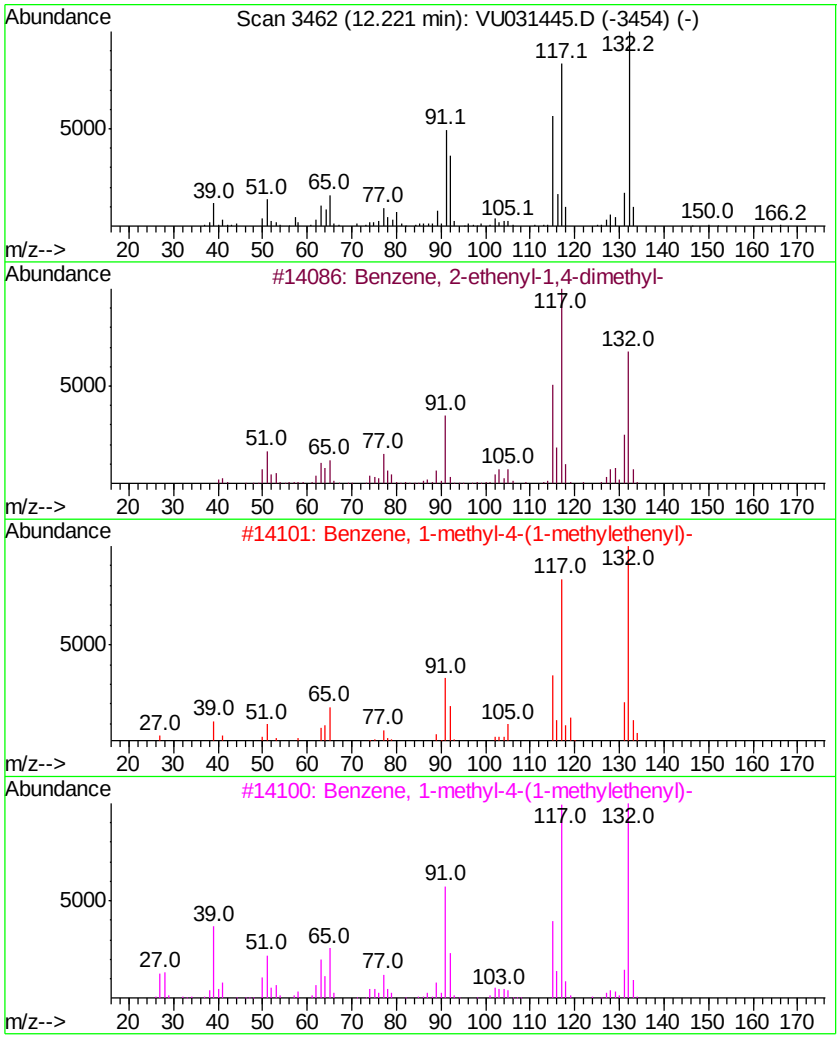
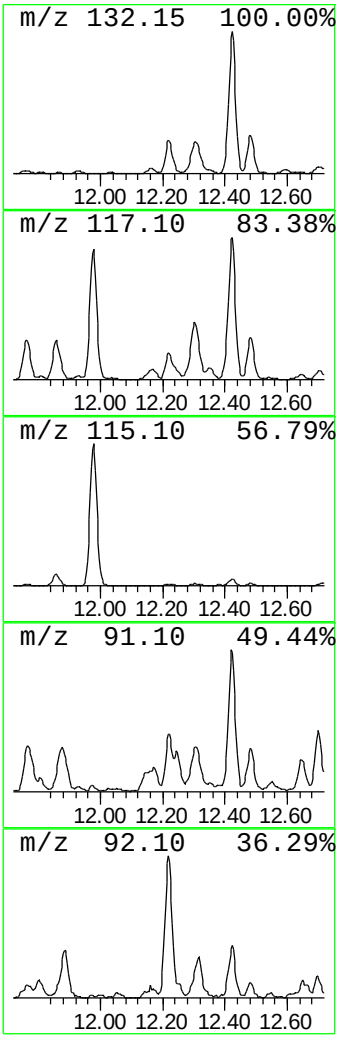
Peak Number 12 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	5.80 ug/L	248225	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	87
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	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	87
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Data File : VU031445.D
Acq On : 23 Apr 2019 17:56
Operator : JC/SP
Sample : K2481-17DL 20X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

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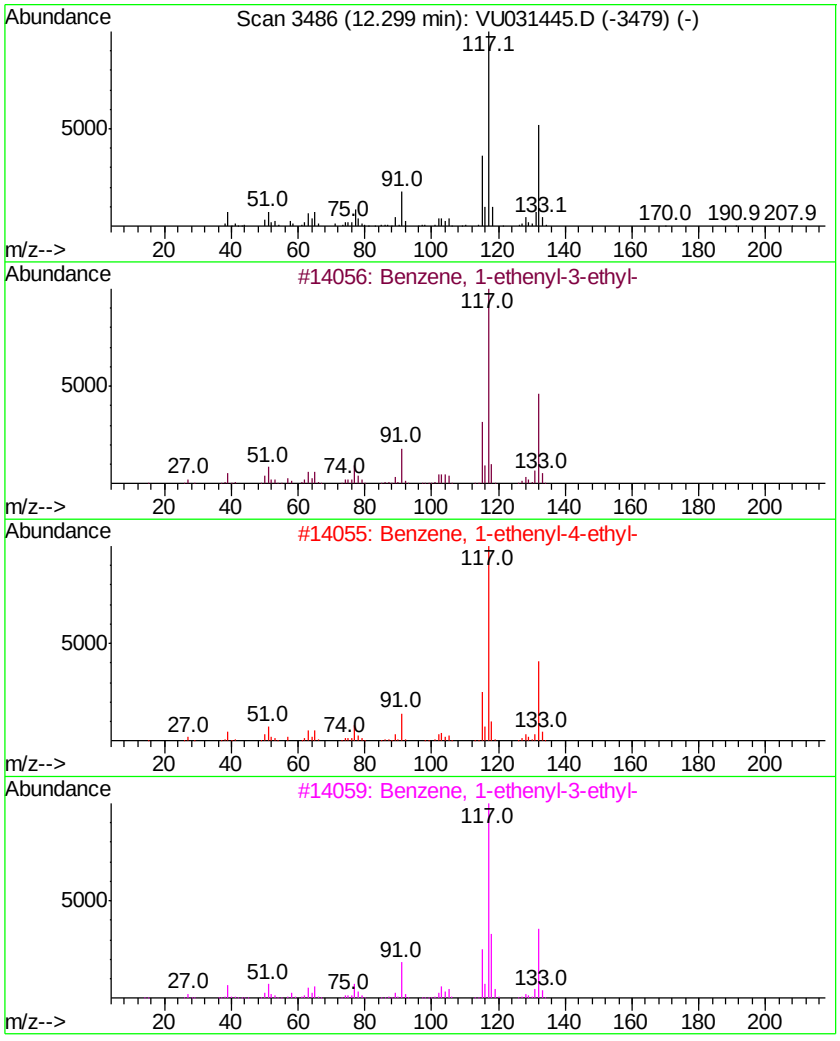
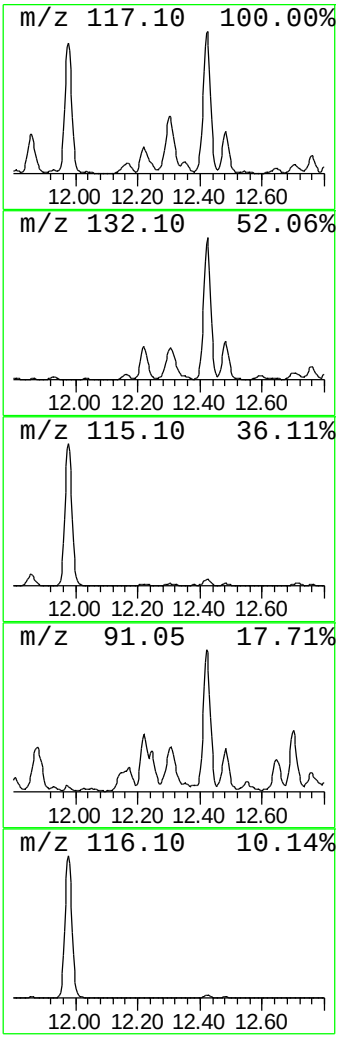
Peak Number 13 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	7.41 ug/L	317296	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	95
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	91
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	90
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	90





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Data File : VU031445.D
Acq On : 23 Apr 2019 17:56
Operator : JC/SP
Sample : K2481-17DL 20X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

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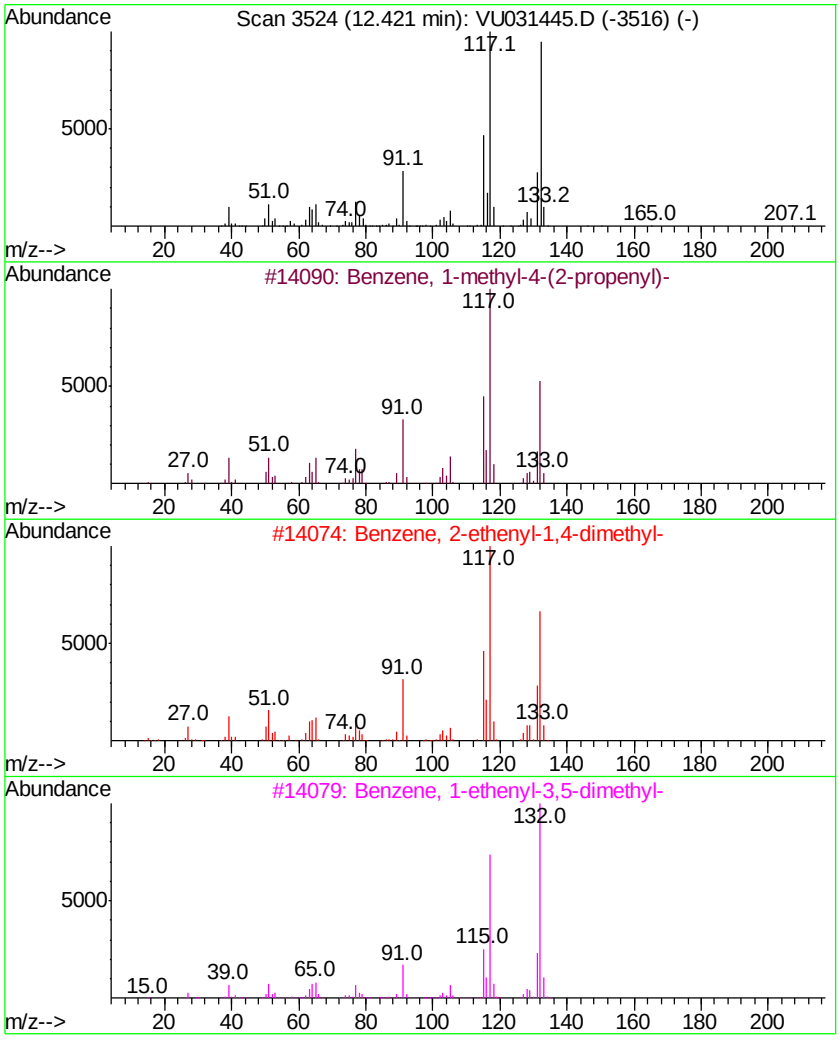
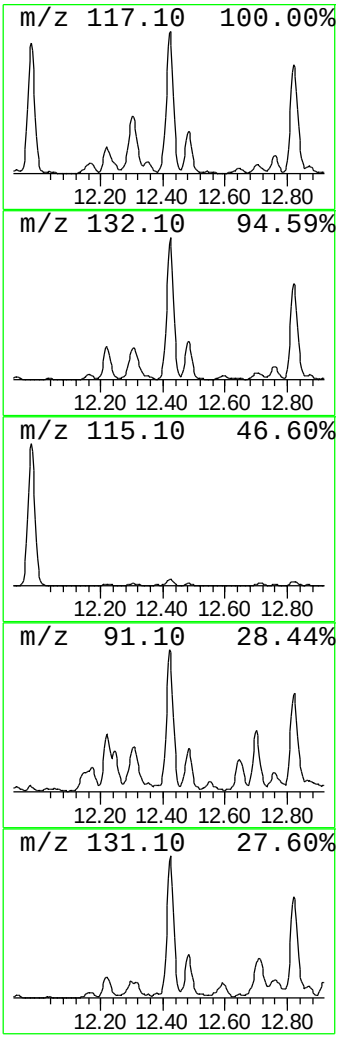
Peak Number 14 Benzene, 1-methyl-4-(2-prop... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	25.13 ug/L	1075550	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, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	94
3	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	94
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	94
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	94





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Data File : VU031445.D
Acq On : 23 Apr 2019 17:56
Operator : JC/SP
Sample : K2481-17DL 20X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

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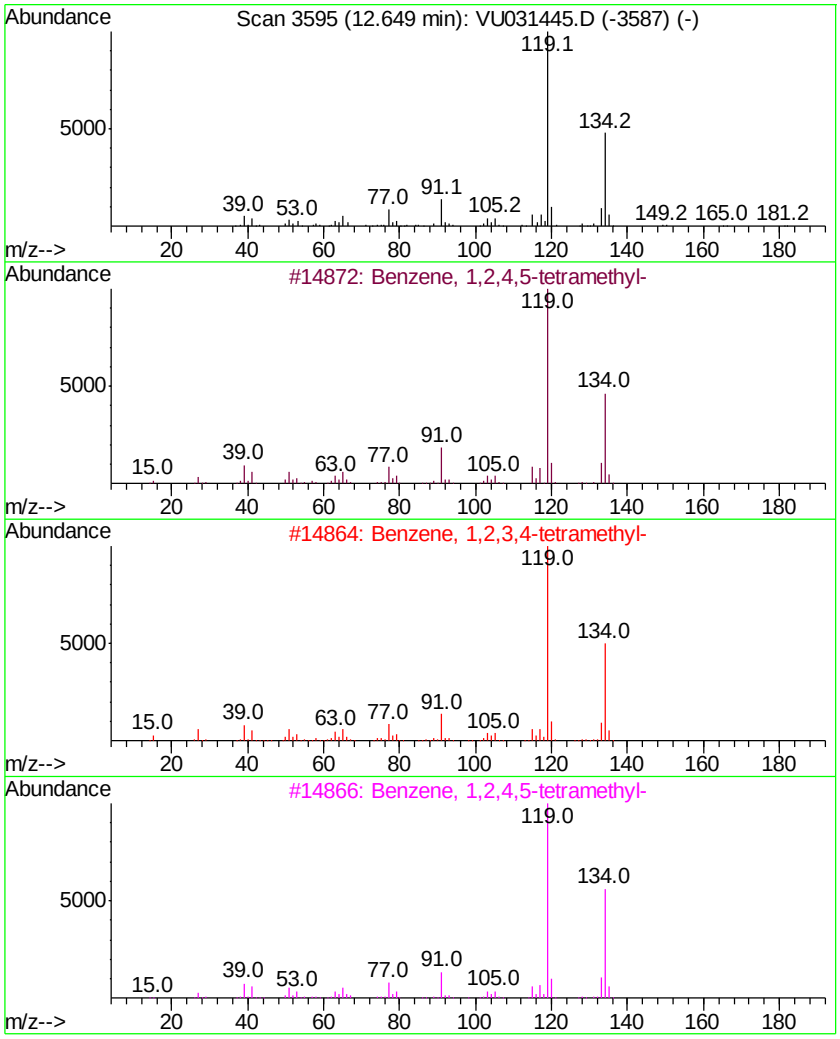
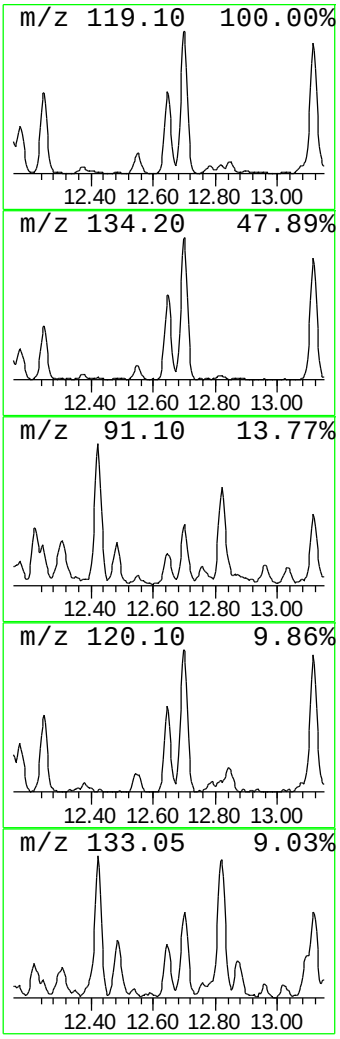
Peak Number 16 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	5.32 ug/L	227794	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	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Data File : VU031445.D
Acq On : 23 Apr 2019 17:56
Operator : JC/SP
Sample : K2481-17DL 20X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

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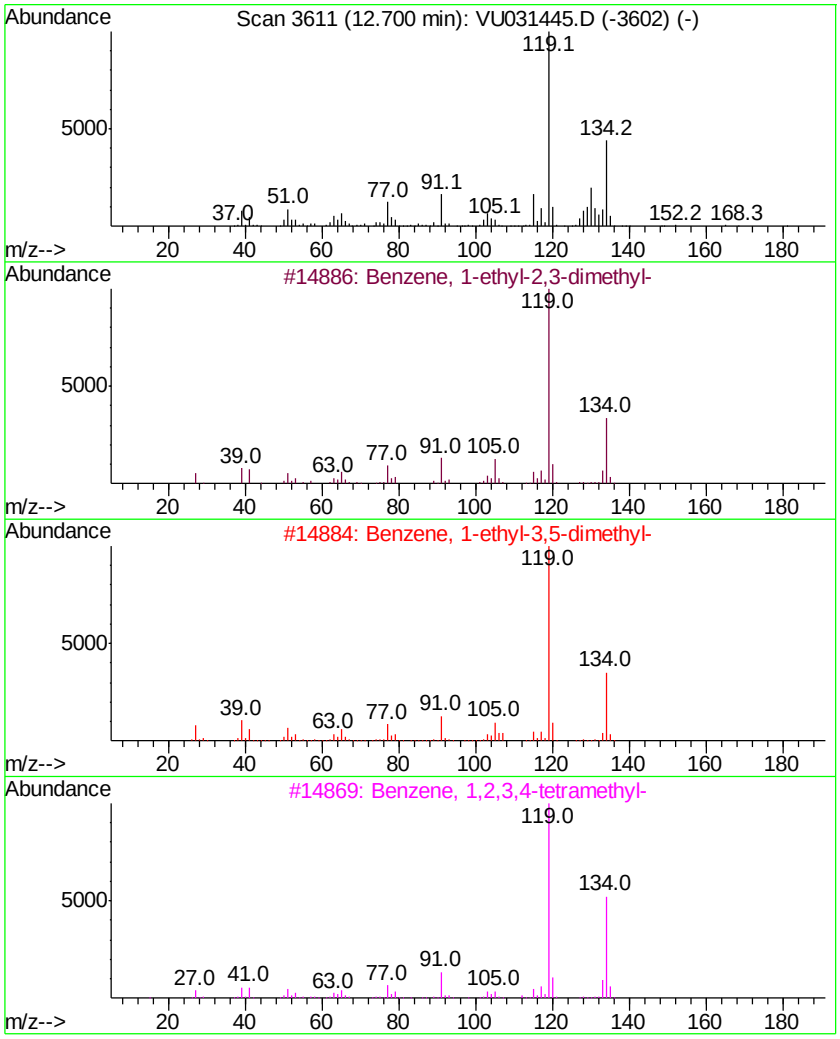
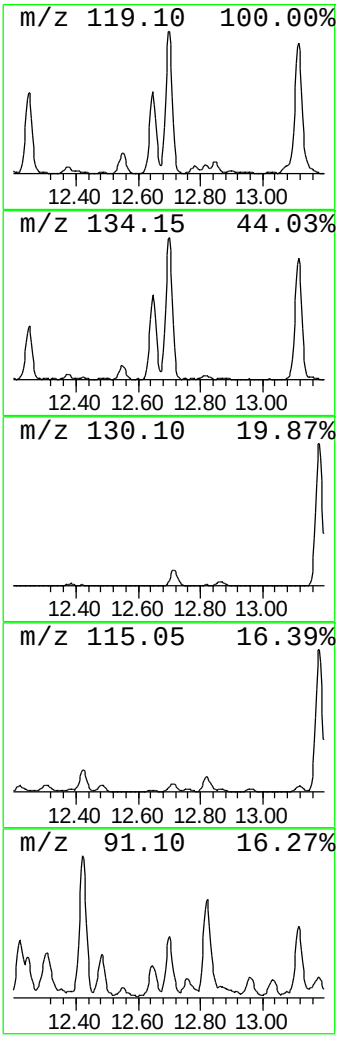
Peak Number 17 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	19.13 ug/L	818837	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	70
2	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	70
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	70
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	70
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Data File : VU031445.D
Acq On : 23 Apr 2019 17:56
Operator : JC/SP
Sample : K2481-17DL 20X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

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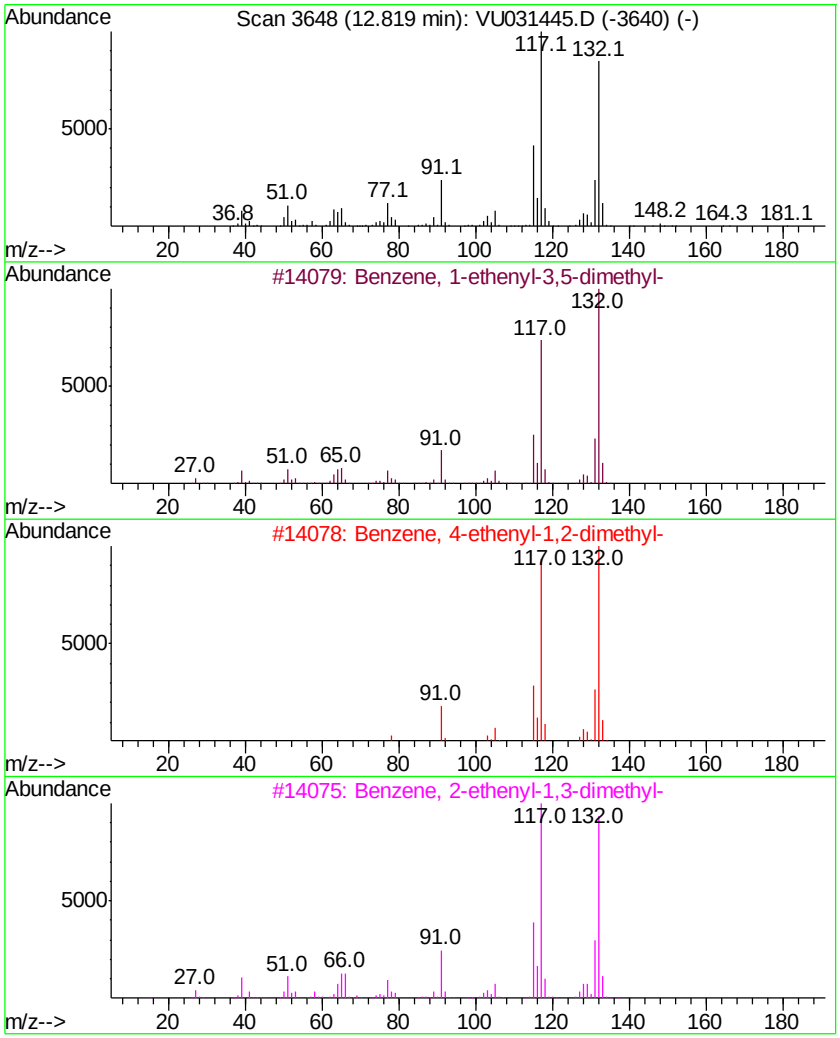
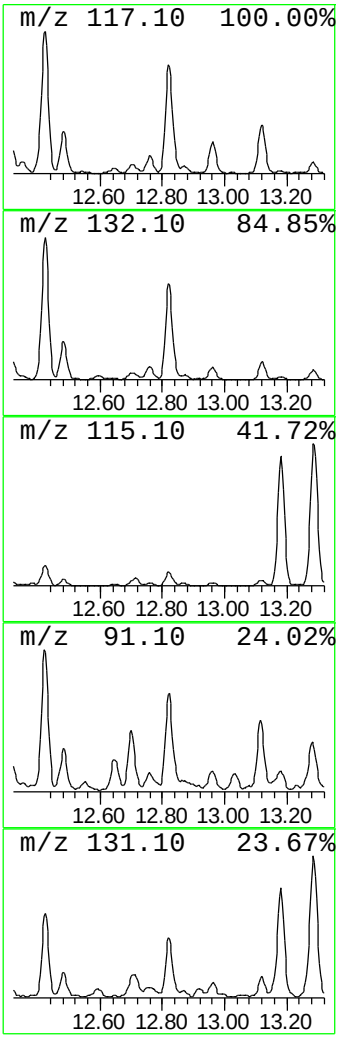
Peak Number 18 Benzene, 1-ethenyl-3,5-dime... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.82	19.29 ug/L	825502	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	96
2	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	95
3	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	95
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	94
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Data File : VU031445.D
Acq On : 23 Apr 2019 17:56
Operator : JC/SP
Sample : K2481-17DL 20X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

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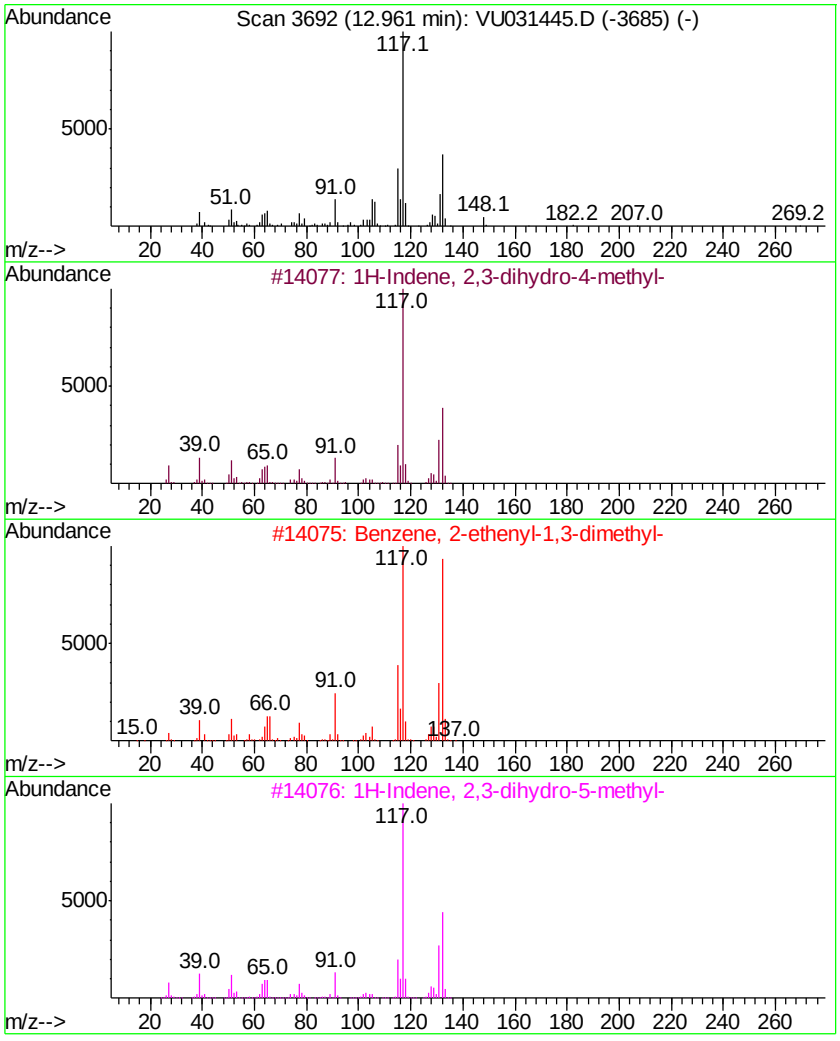
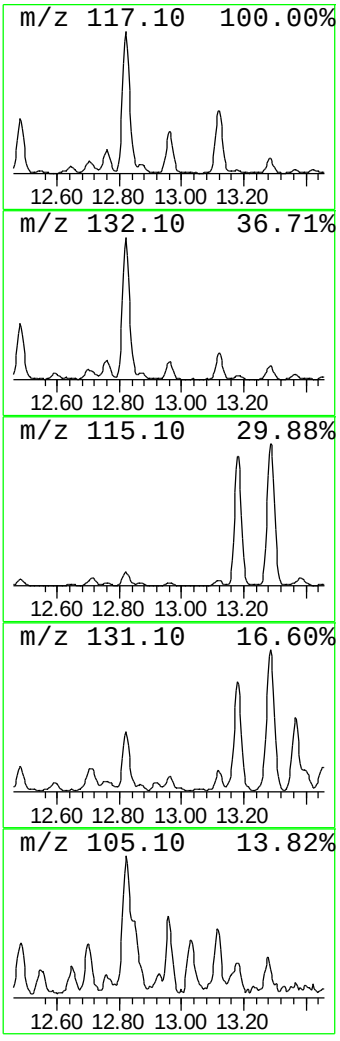
Peak Number 19 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	4.28 ug/L	183366	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	95
2	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	93
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	91
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	90
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	90





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Data File : VU031445.D
Acq On : 23 Apr 2019 17:56
Operator : JC/SP
Sample : K2481-17DL 20X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

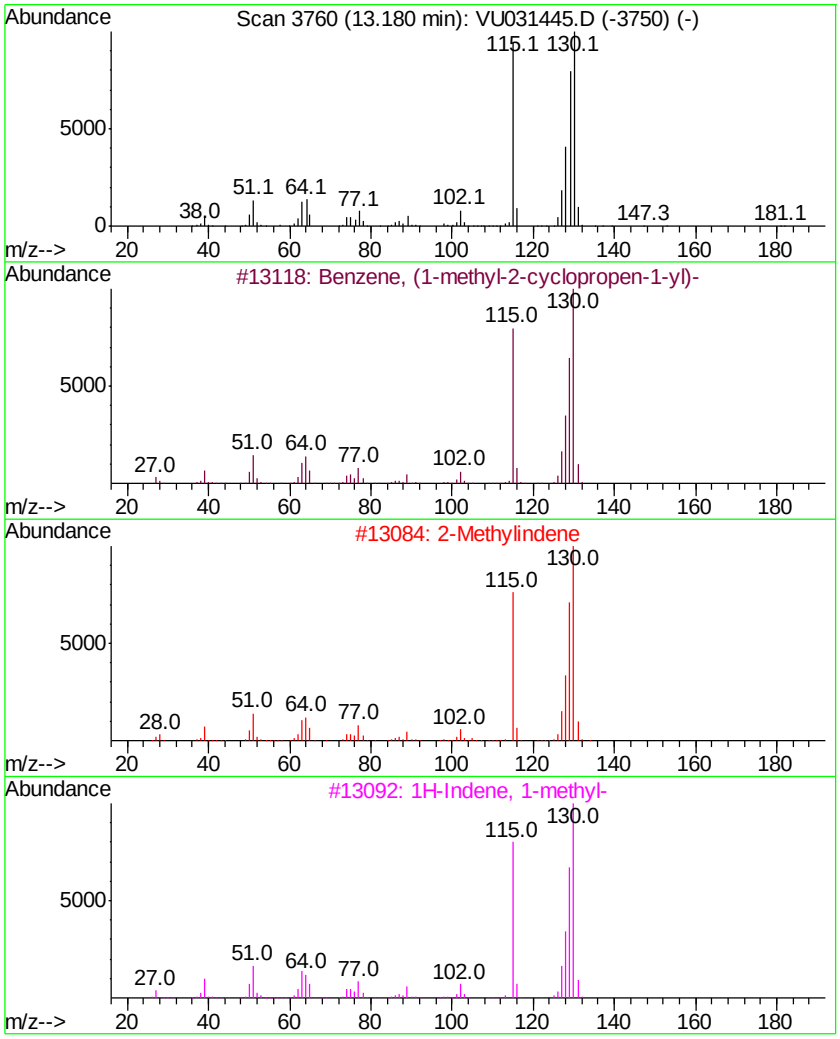
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

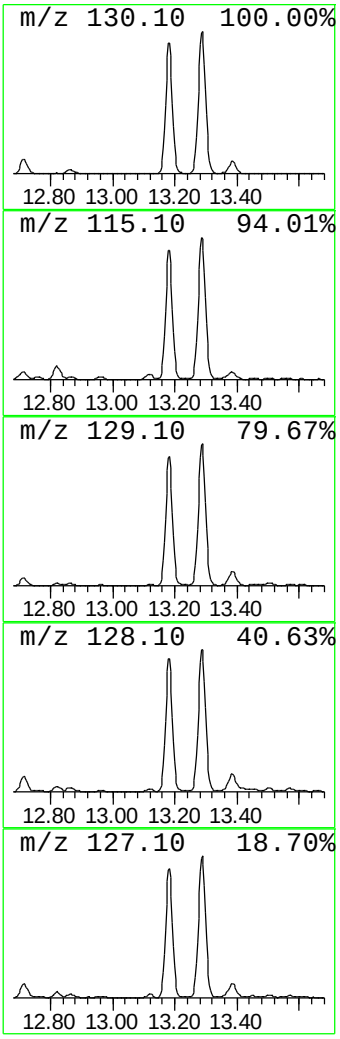
****

Peak Number 21 Benzene, (1-methyl-2-cyclop... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	82.68 ug/L	3538700	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	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95
5	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94





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Data File : VU031445.D
Acq On : 23 Apr 2019 17:56
Operator : JC/SP
Sample : K2481-17DL 20X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

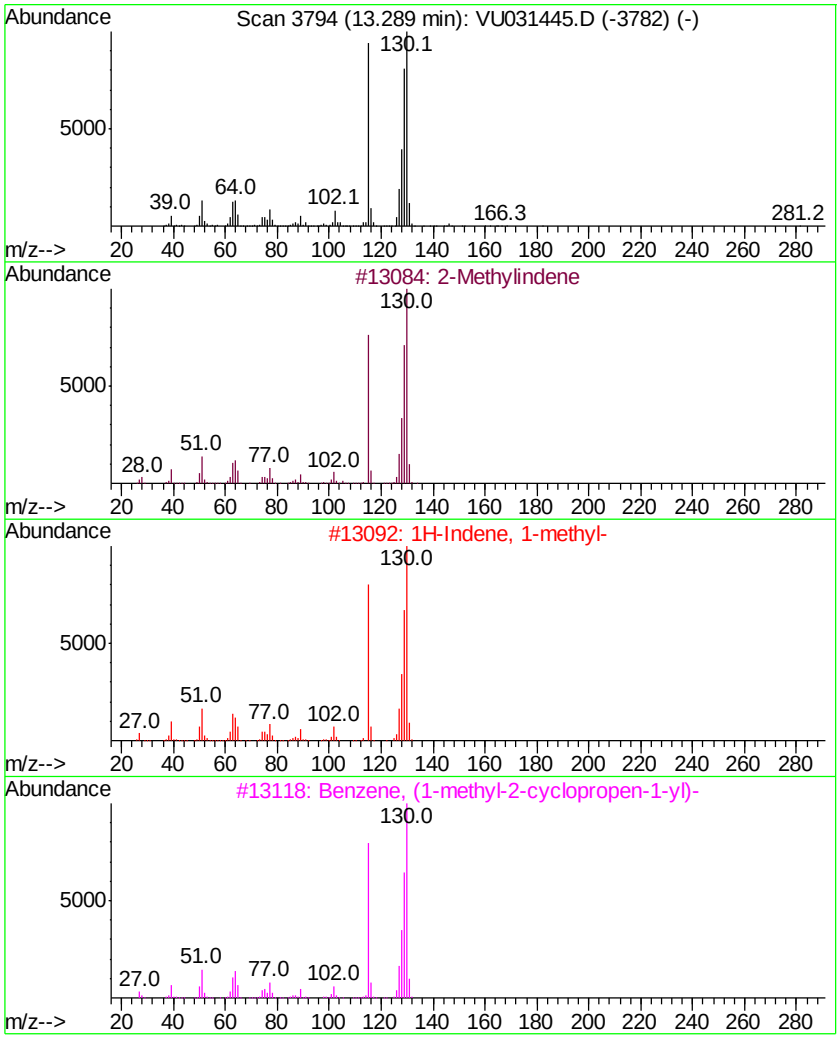
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

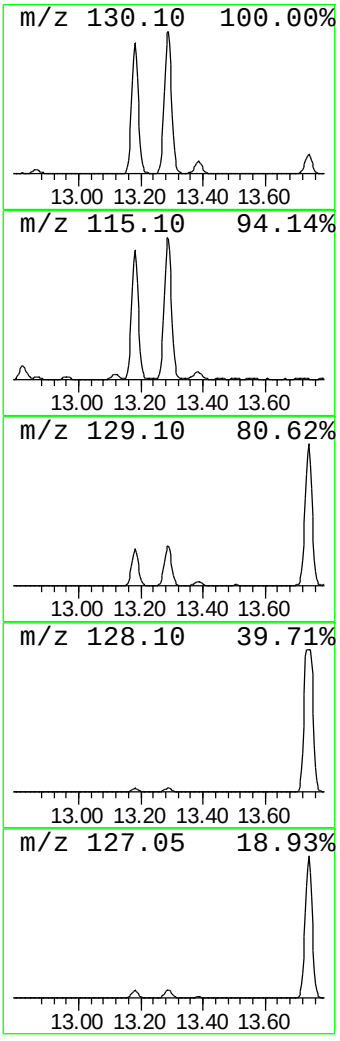
****

Peak Number 22 2-Methylindene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	101.69 ug/L	4352760	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	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
3	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	96
4	Benzene, 1-butynyl-	130	C10H10	000622-76-4	96
5	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95





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Data File : VU031445.D
Acq On : 23 Apr 2019 17:56
Operator : JC/SP
Sample : K2481-17DL 20X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

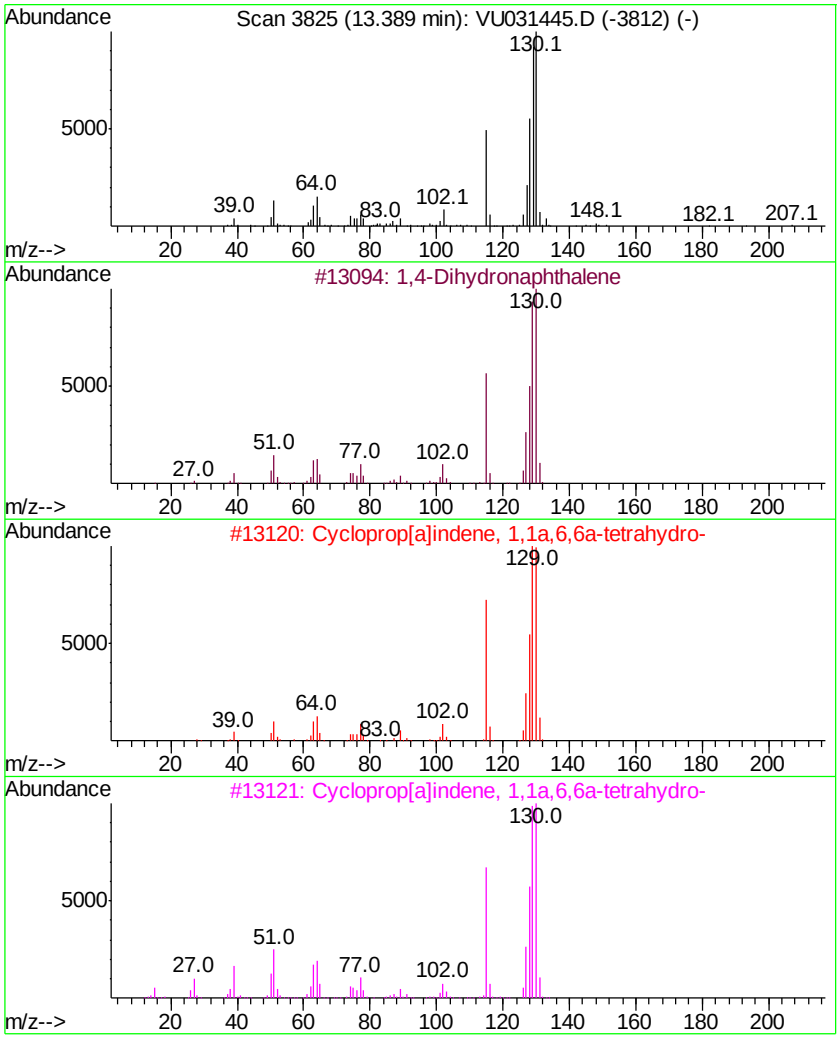
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

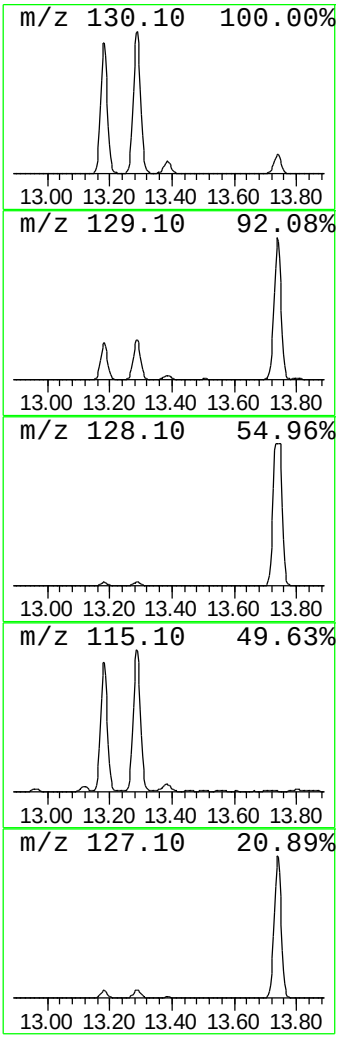
****

Peak Number 23 1,4-Dihydronaphthalene Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	11.87 ug/L	507900	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	96
2	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	95
3	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	93
4	2-Methylindene	130	C10H10	002177-47-1	91
5	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	90





Library Search Compound Report

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Data File : VU031445.D
Acq On : 23 Apr 2019 17:56
Operator : JC/SP
Sample : K2481-17DL 20X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

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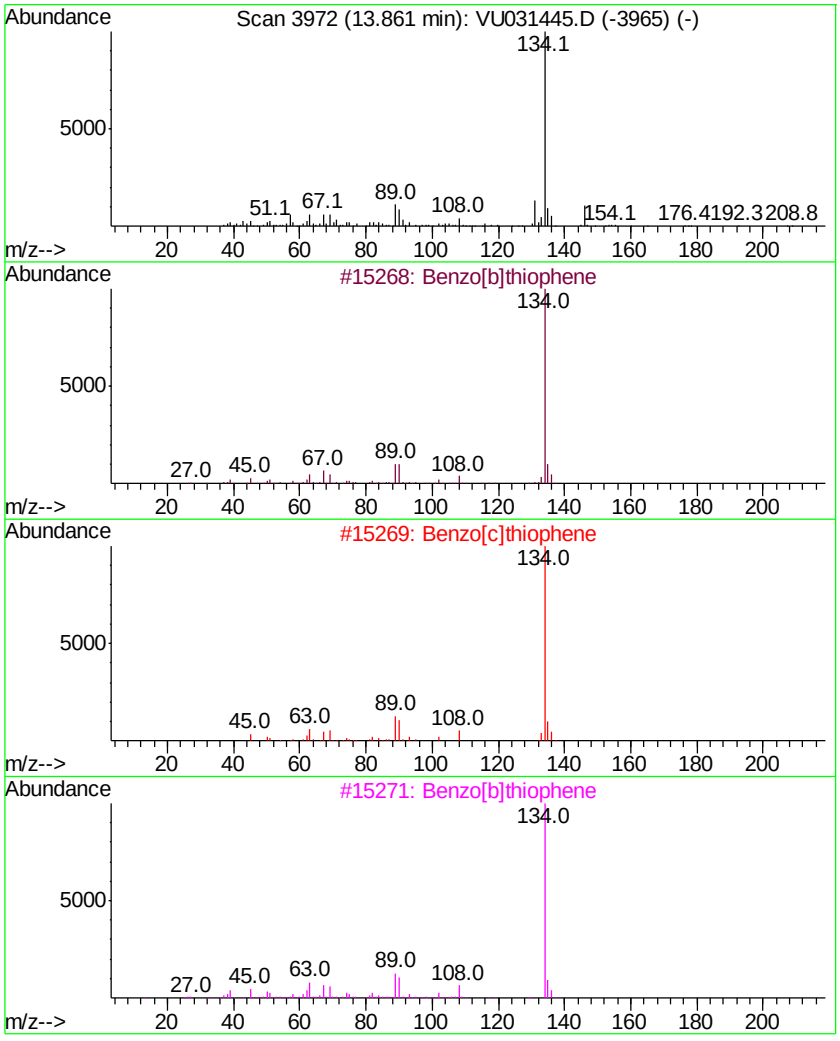
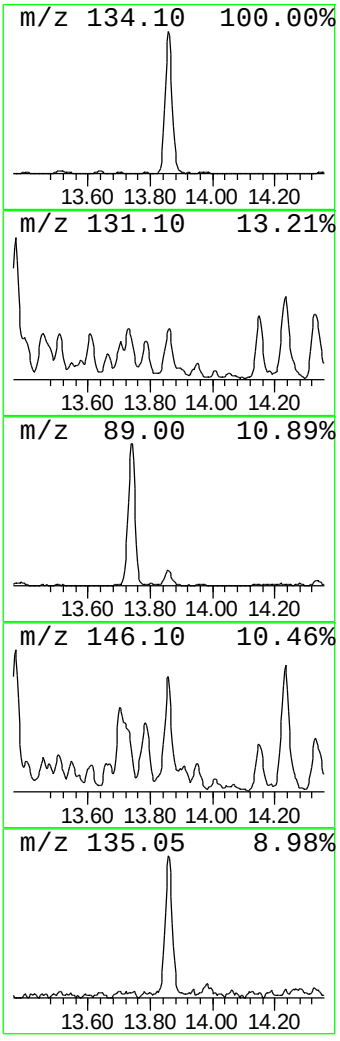
Peak Number 25 Benzo[b]thiophene Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	9.56 ug/L	409025	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
2	Benzo[c]thiophene	134	C8H6S	000270-82-6	93
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	90
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	90
5	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	74





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Data File : VU031445.D
Acq On : 23 Apr 2019 17:56
Operator : JC/SP
Sample : K2481-17DL 20X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

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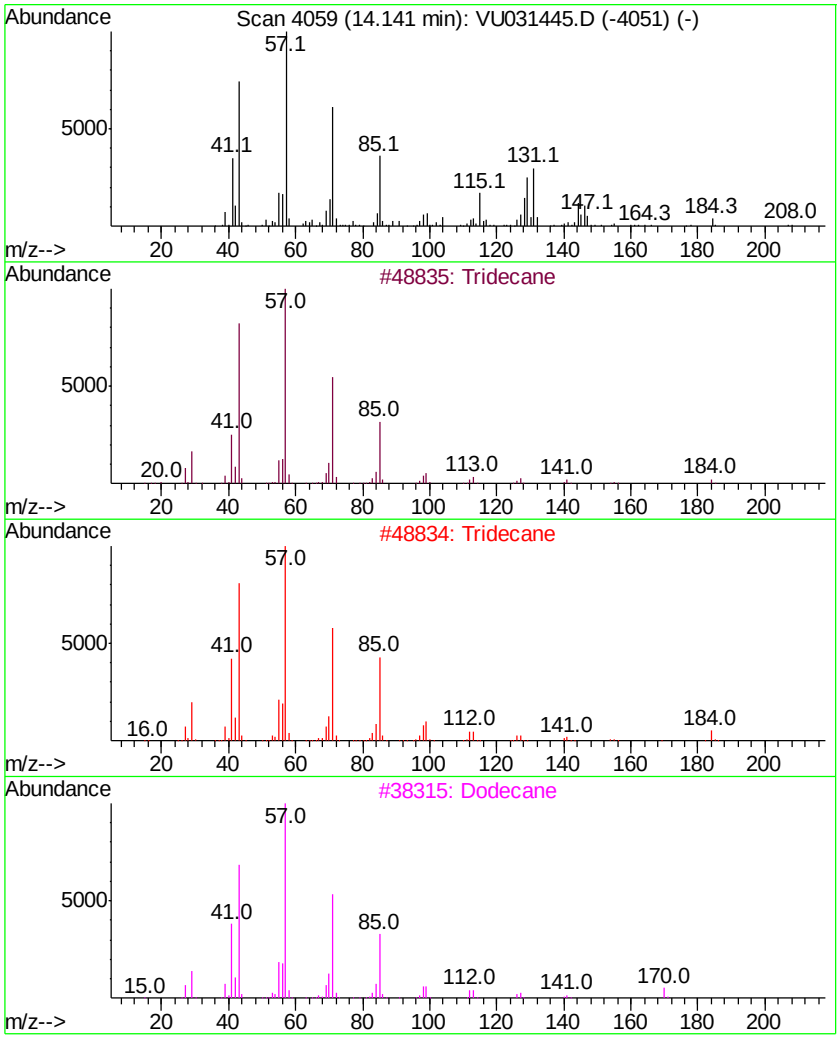
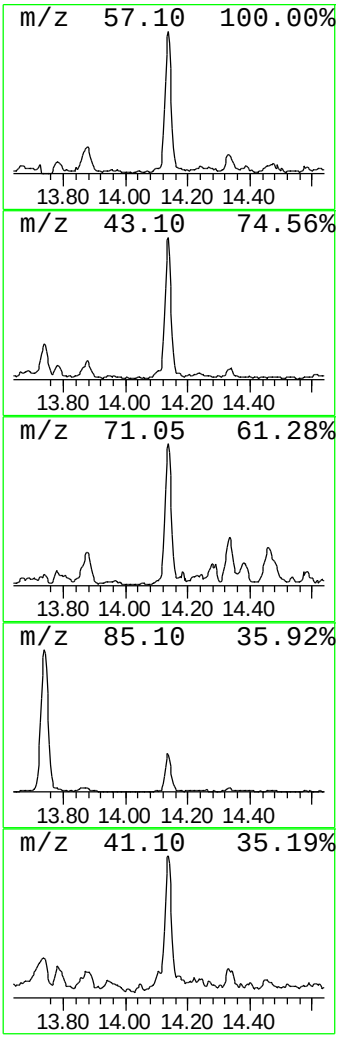
Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	7.46 ug/L	319270	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	95
2	Tridecane	184	C13H28	000629-50-5	83
3	Dodecane	170	C12H26	000112-40-3	49
4	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	49
5	Dodecane	170	C12H26	000112-40-3	49





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Data File : VU031445.D
Acq On : 23 Apr 2019 17:56
Operator : JC/SP
Sample : K2481-17DL 20X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

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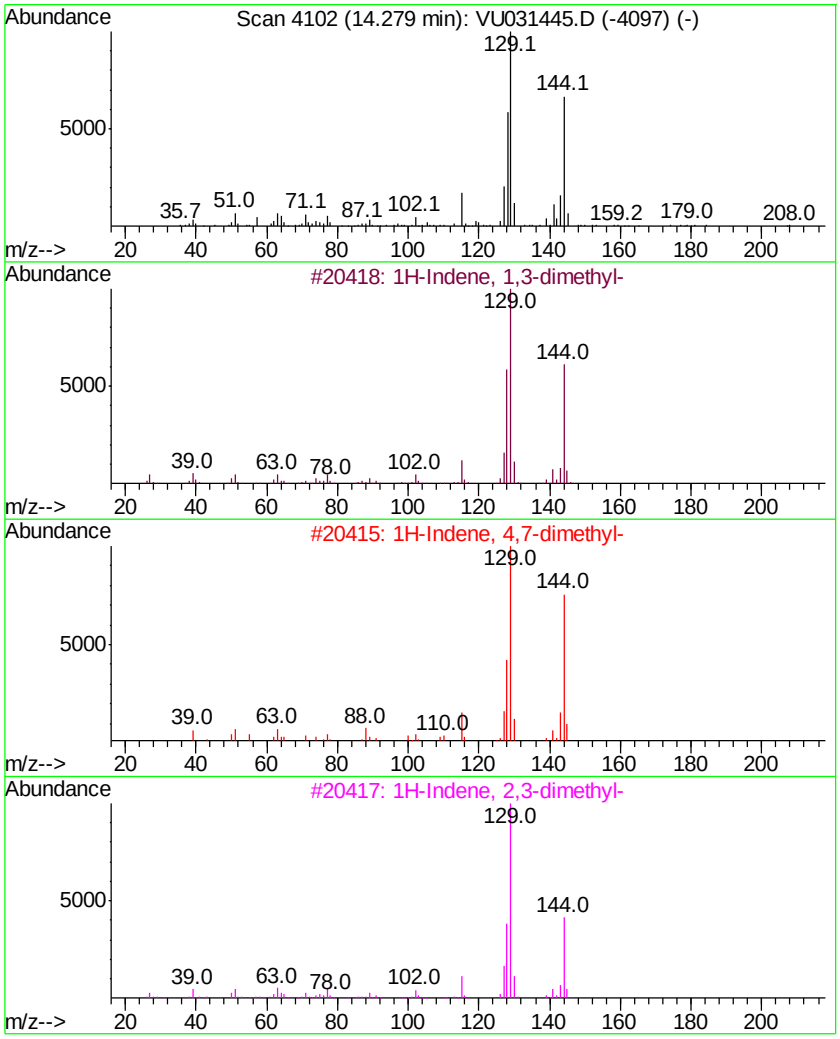
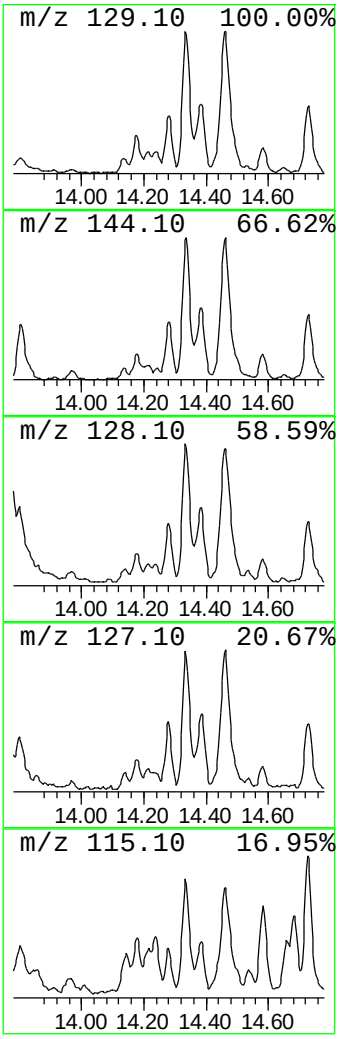
Peak Number 27 1H-Indene, 1,3-dimethyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	4.97 ug/L	212633	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	94
2	1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	87
3	1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	87
4	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	87
5	(1-Methylbuta-1,3-dienyl)benzene	144	C11H12	054758-36-0	87





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Acq On : 23 Apr 2019 17:56
Operator : JC/SP
Sample : K2481-17DL 20X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

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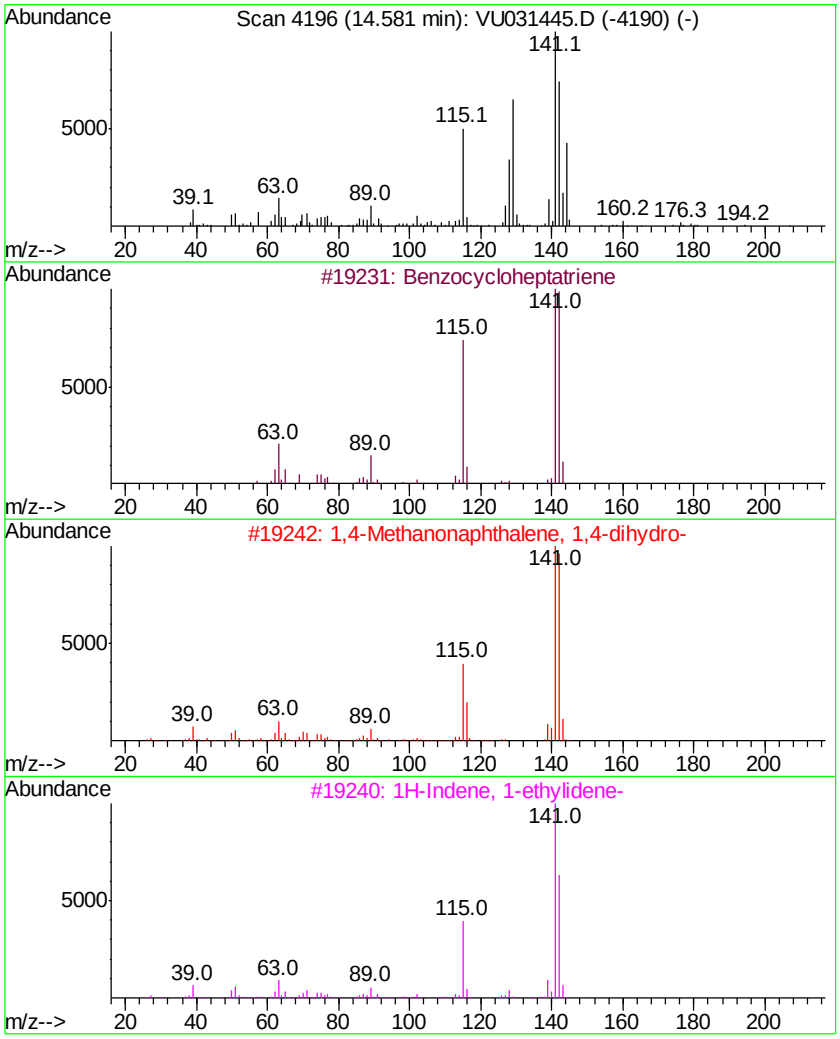
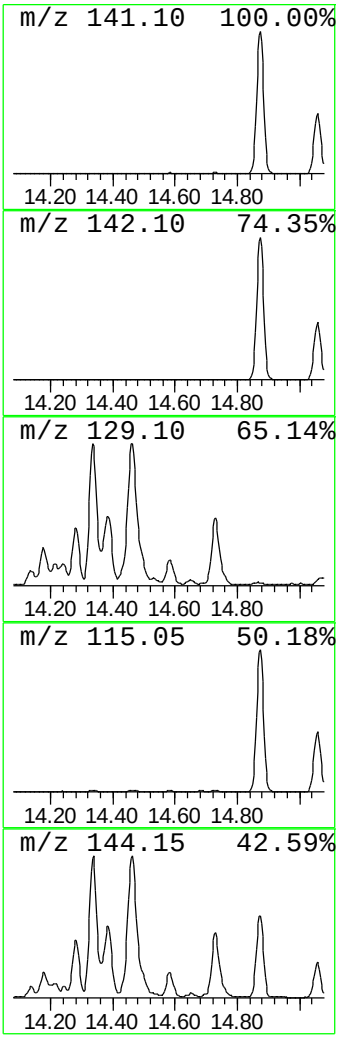
Peak Number 30 Benzocycloheptatriene Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.58	5.43 ug/L	232296	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzocycloheptatriene	142	C11H10	000264-09-5	86
2	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	64
3	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	64
4	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	64
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	55





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Data File : VU031445.D
Acq On : 23 Apr 2019 17:56
Operator : JC/SP
Sample : K2481-17DL 20X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

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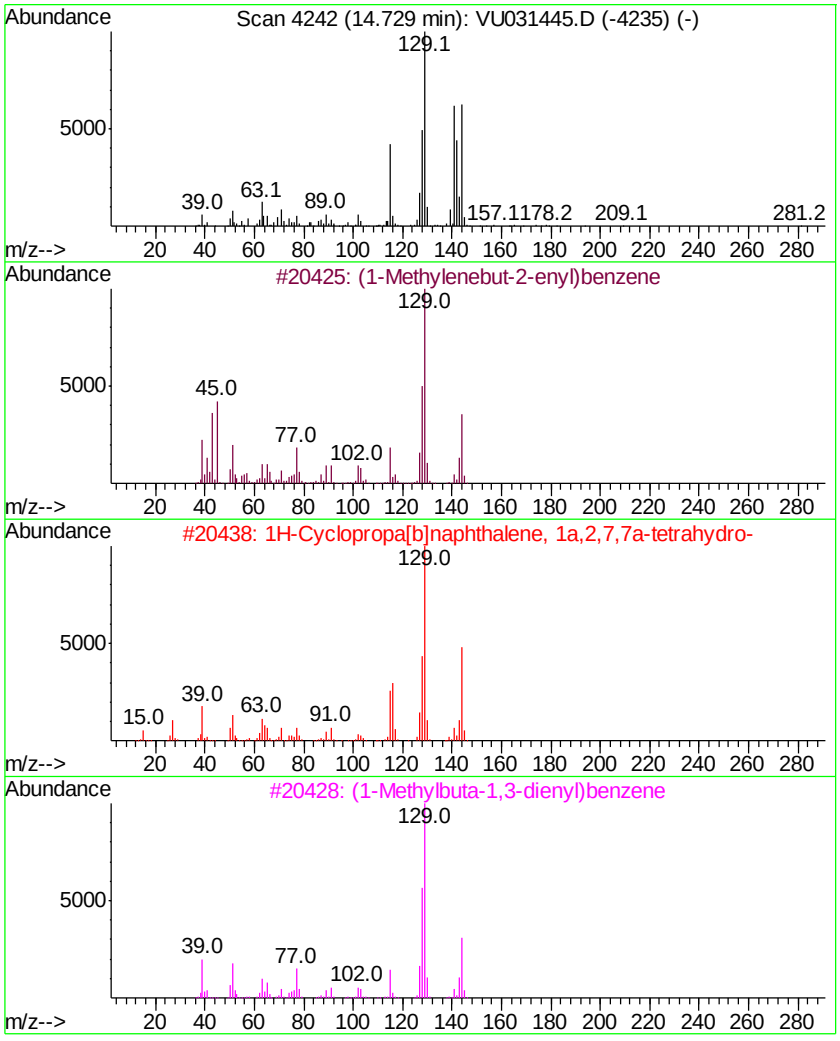
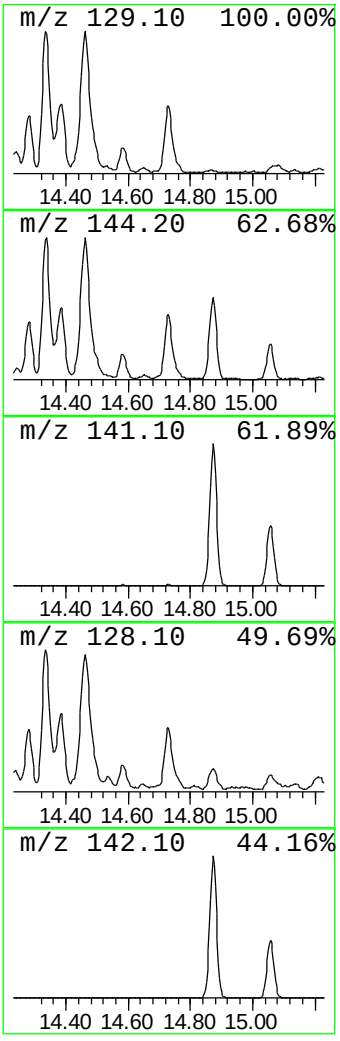
Peak Number 31 (1-Methylenebut-2-enyl)benzene Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	11.79 ug/L	504588	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1-Methylenebut-2-enyl)benzene	144	C11H12	070588-46-4	64
2	1H-Cyclopropa[b]naphthalene, 1a,...	144	C11H12	006571-72-8	64
3	(1-Methylbuta-1,3-dienyl)benzene	144	C11H12	054758-36-0	60
4	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	60
5	Naphthalene, 1,2-dihydro-3-methyl-	144	C11H12	002717-44-4	58





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Data File : VU031445.D
Acq On : 23 Apr 2019 17:56
Operator : JC/SP
Sample : K2481-17DL 20X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

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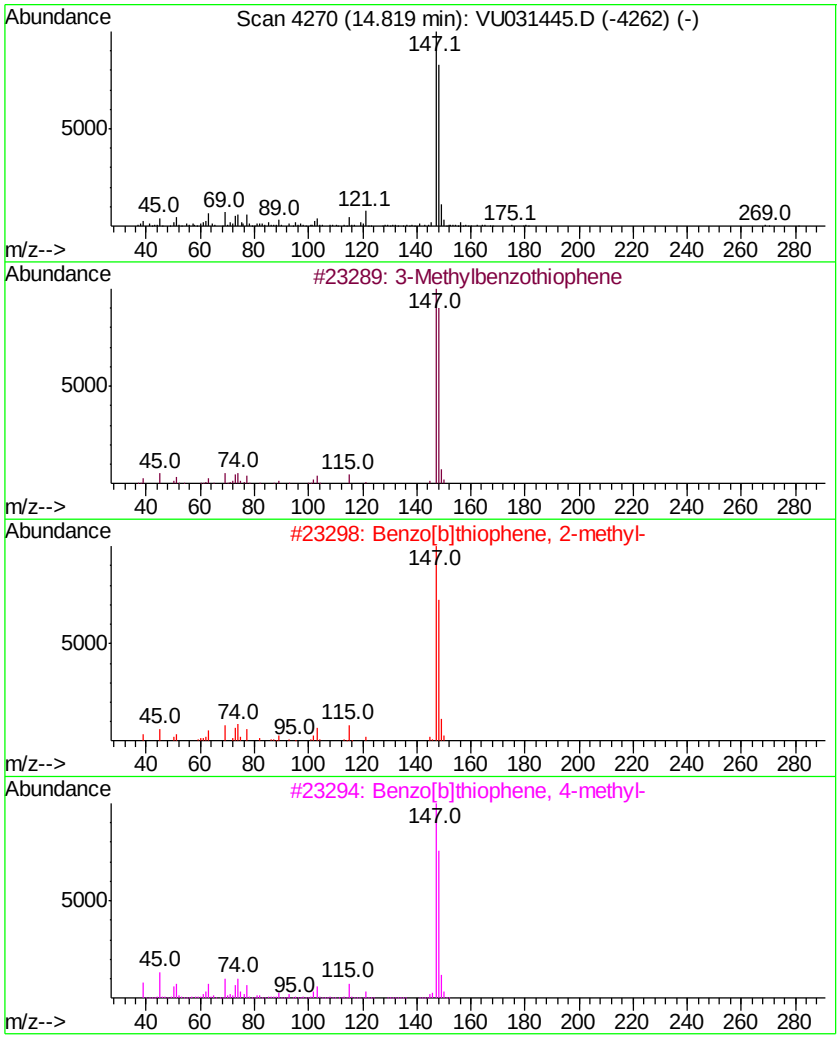
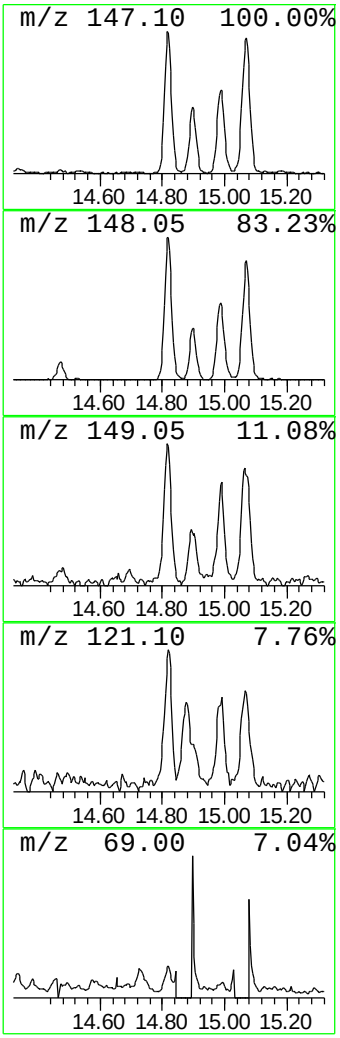
Peak Number 32 3-Methylbenzothiophene Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	4.26 ug/L	182376	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylbenzothiophene	148	C9H8S	001455-18-1	90
2	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	90
3	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	90
4	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	90
5	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	87





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Data File : VU031445.D
Acq On : 23 Apr 2019 17:56
Operator : JC/SP
Sample : K2481-17DL 20X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

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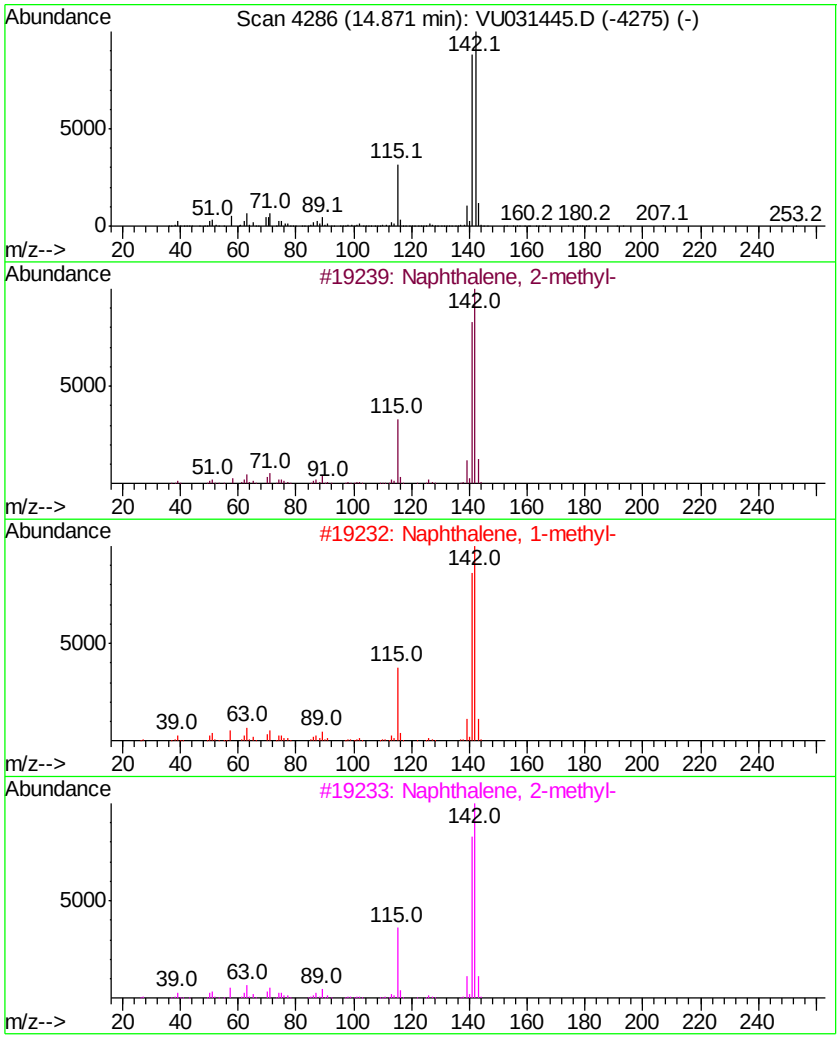
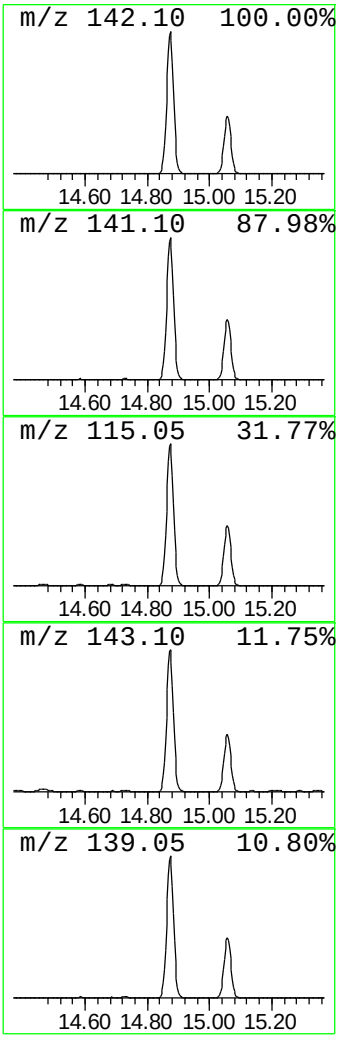
Peak Number 33 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	739.39 ug/L	31647600	1,4-Dichlorobenzene-d4	11.48

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





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Data File : VU031445.D
Acq On : 23 Apr 2019 17:56
Operator : JC/SP
Sample : K2481-17DL 20X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

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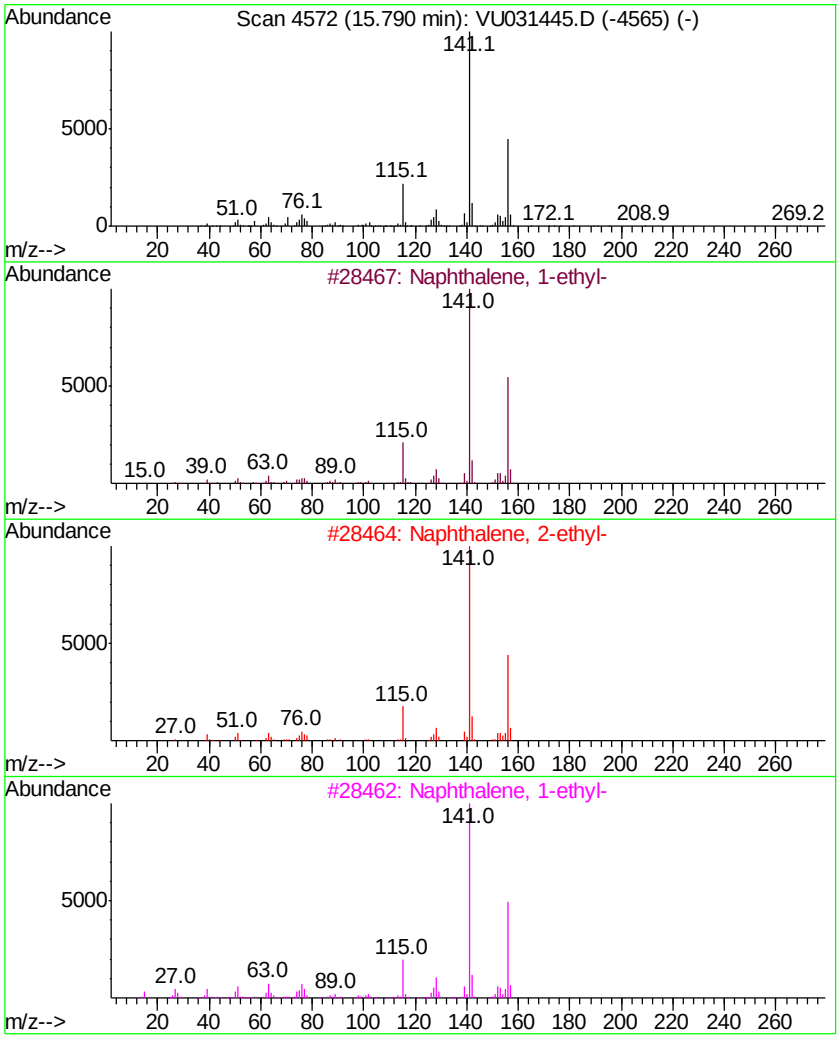
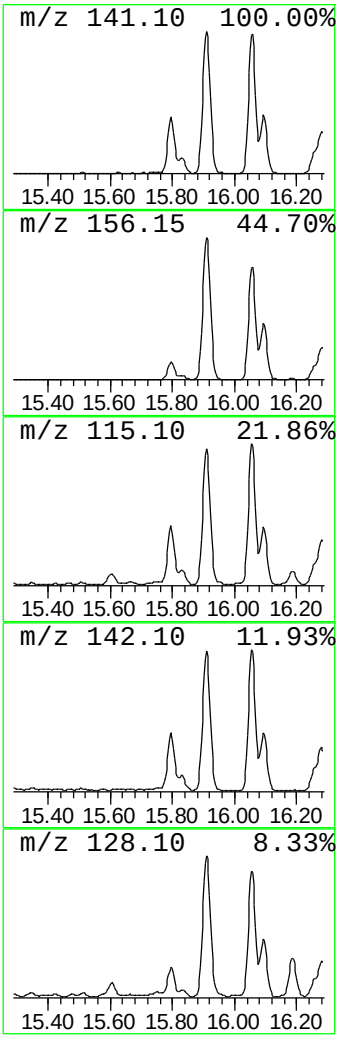
Peak Number 36 Naphthalene, 1-ethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	24.87 ug/L	1064610	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	97
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Data File : VU031445.D
Acq On : 23 Apr 2019 17:56
Operator : JC/SP
Sample : K2481-17DL 20X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

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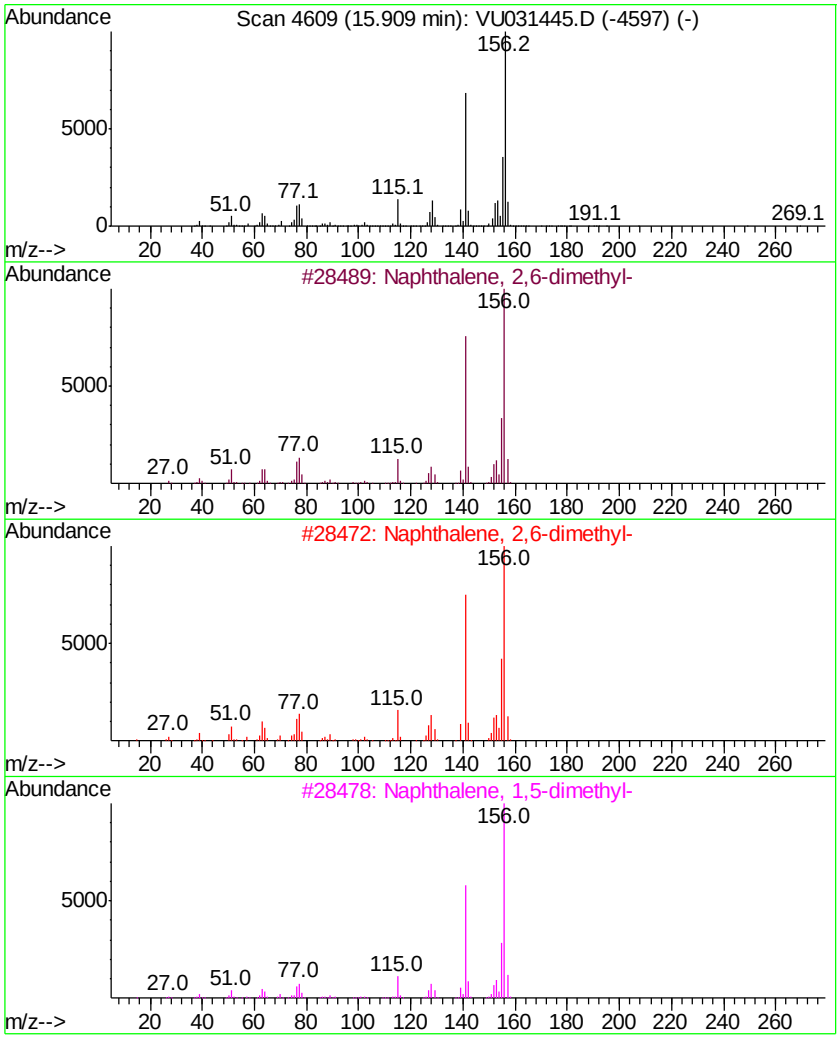
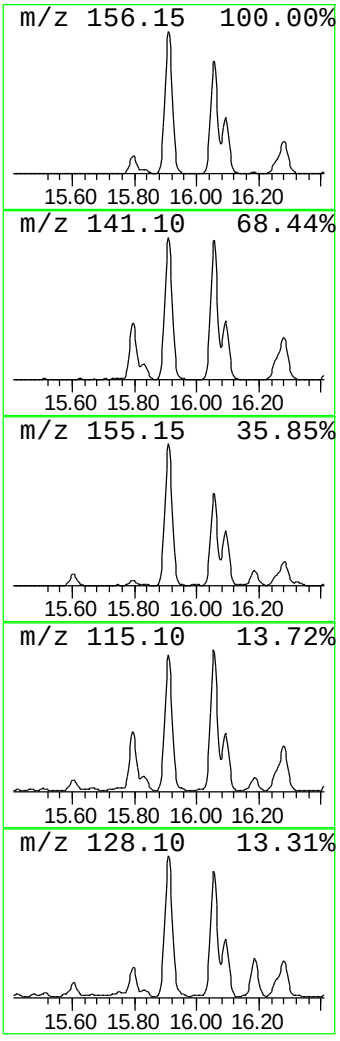
Peak Number 37 Naphthalene, 2,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	151.30 ug/L	6475920	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, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Data File : VU031445.D
Acq On : 23 Apr 2019 17:56
Operator : JC/SP
Sample : K2481-17DL 20X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

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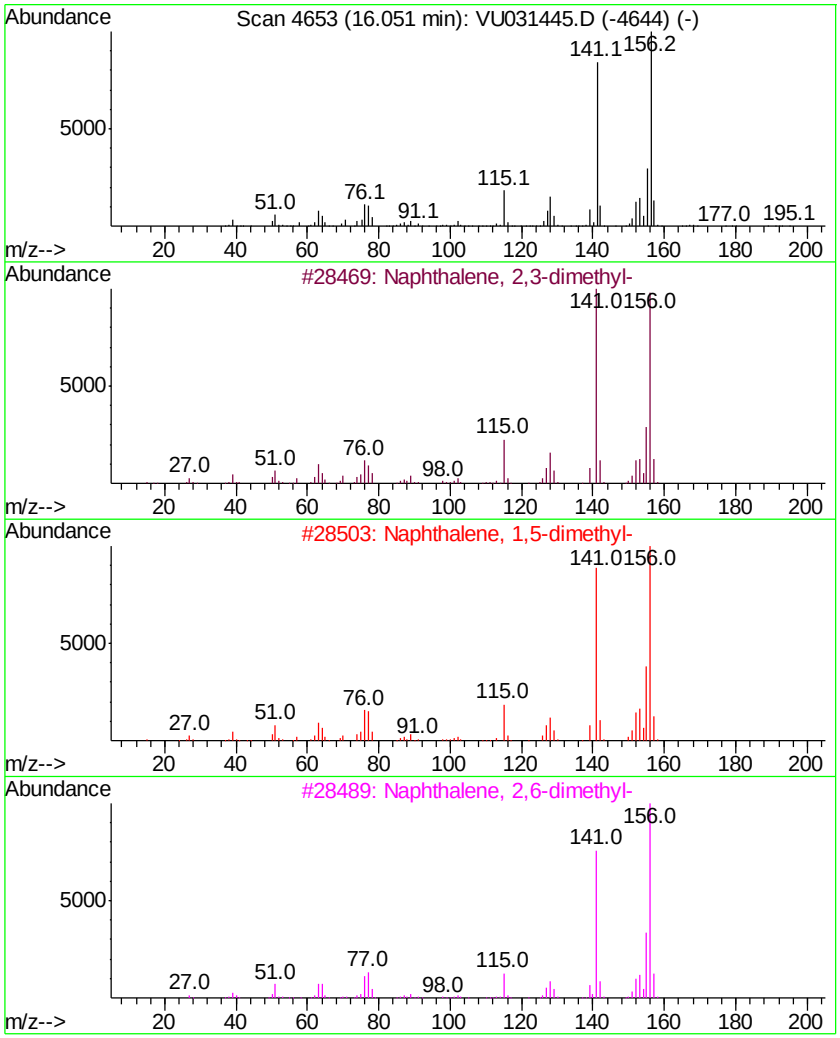
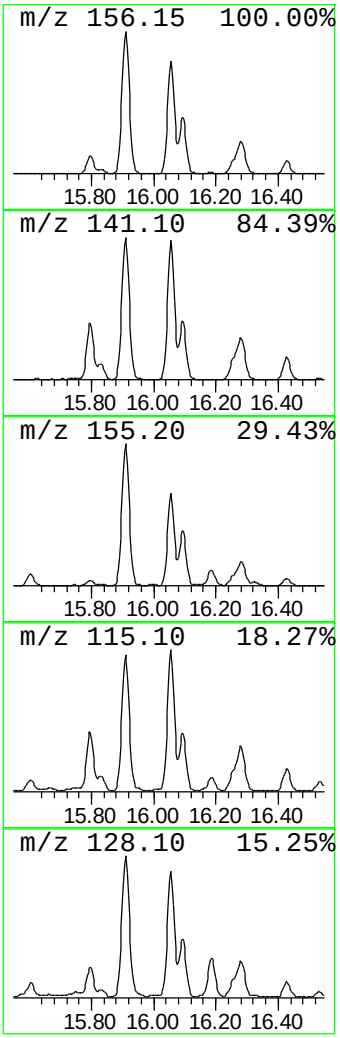
Peak Number 38 Naphthalene, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	116.26 ug/L	4976370	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	98
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Data File : VU031445.D
Acq On : 23 Apr 2019 17:56
Operator : JC/SP
Sample : K2481-17DL 20X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

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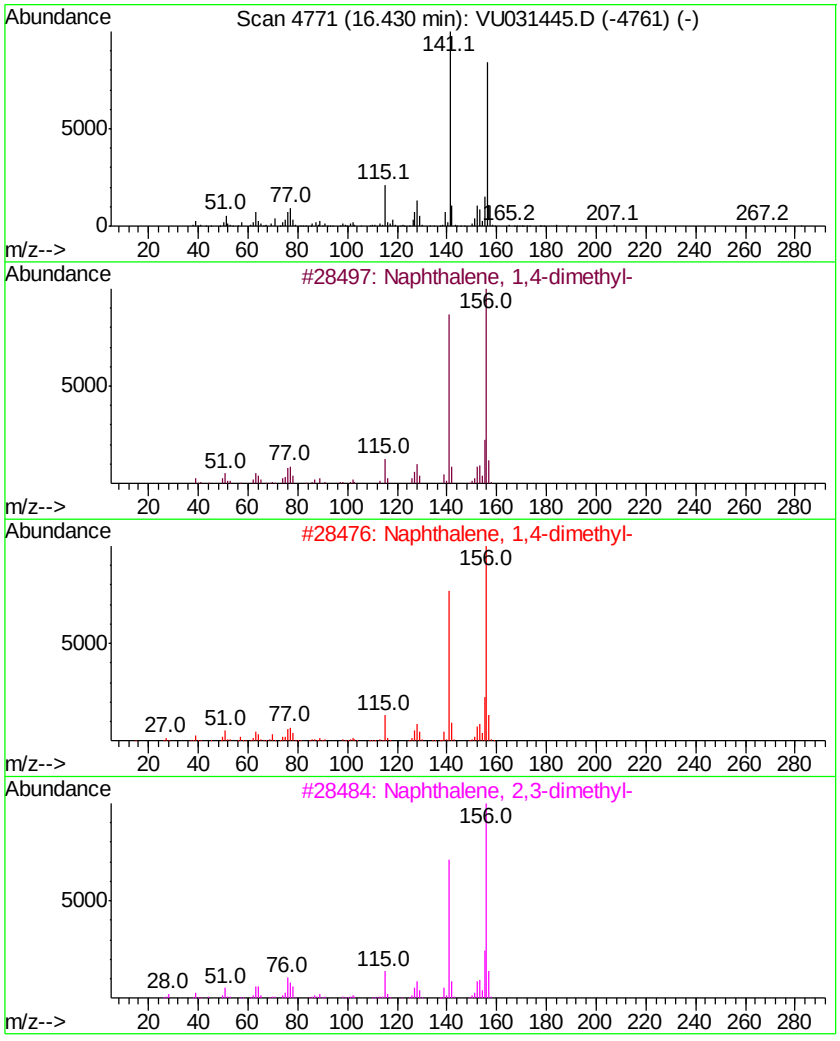
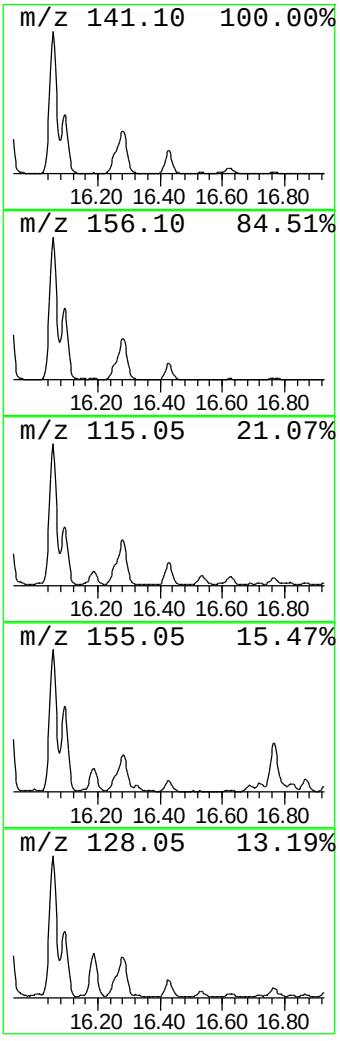
Peak Number 42 Naphthalene, 1,4-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	14.98 ug/L	641127	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
4	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	95
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Data File : VU031445.D
Acq On : 23 Apr 2019 17:56
Operator : JC/SP
Sample : K2481-17DL 20X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown-01	7.22	15.9	ug/L	566560	1	5.88	1785460	50.0
Benzene, 1-ethyl-...	10.68	23.1	ug/L	987585	3	11.48	2140120	50.0
Benzene, 1,2,3-tr...	11.14	50.9	ug/L	2178520	3	11.48	2140120	50.0
Benzene, 1-etheny...	11.21	67.2	ug/L	2876870	3	11.48	2140120	50.0
Benzene, 1-etheny...	11.26	24.2	ug/L	1034460	3	11.48	2140120	50.0
Benzene, 1-propenyl-	11.62	7.0	ug/L	301863	3	11.48	2140120	50.0
Indane	11.76	6.7	ug/L	285574	3	11.48	2140120	50.0
Indene	11.98	162.1	ug/L	6939710	3	11.48	2140120	50.0
o-Cymene	12.14	2.6	ug/L	111680	3	11.48	2140120	50.0
Benzene, 2-etheny...	12.22	5.8	ug/L	248225	3	11.48	2140120	50.0
Benzene, 1-etheny...	12.30	7.4	ug/L	317296	3	11.48	2140120	50.0
Benzene, 1-methyl...	12.42	25.1	ug/L	1075550	3	11.48	2140120	50.0
Benzene, 1,2,4,5-...	12.65	5.3	ug/L	227794	3	11.48	2140120	50.0
Benzene, 1-ethyl-...	12.70	19.1	ug/L	818837	3	11.48	2140120	50.0
Benzene, 1-etheny...	12.82	19.3	ug/L	825502	3	11.48	2140120	50.0
1H-Indene, 2,3-di...	12.96	4.3	ug/L	183366	3	11.48	2140120	50.0
Benzene, (1-methy...	13.18	82.7	ug/L	3538700	3	11.48	2140120	50.0
2-Methylindene	13.29	101.7	ug/L	4352760	3	11.48	2140120	50.0
1,4-Dihydronaphth...	13.39	11.9	ug/L	507900	3	11.48	2140120	50.0
Benzo[b]thiophene	13.86	9.6	ug/L	409025	3	11.48	2140120	50.0
(DEL) Alkane: Str...	14.14	7.5	ug/L	319270	3	11.48	2140120	50.0
1H-Indene, 1,3-di...	14.28	5.0	ug/L	212633	3	11.48	2140120	50.0
Benzocycloheptatr...	14.58	5.4	ug/L	232296	3	11.48	2140120	50.0
(1-Methylenebut-2...	14.73	11.8	ug/L	504588	3	11.48	2140120	50.0
3-Methylbenzothio...	14.82	4.3	ug/L	182376	3	11.48	2140120	50.0
Naphthalene, 1-me...	14.87	739.4	ug/L	31647600	3	11.48	2140120	50.0
Naphthalene, 1-et...	15.79	24.9	ug/L	1064610	3	11.48	2140120	50.0
Naphthalene, 2,6-...	15.91	151.3	ug/L	6475920	3	11.48	2140120	50.0
Naphthalene, 2,3-...	16.05	116.3	ug/L	4976370	3	11.48	2140120	50.0
Naphthalene, 1,4-...	16.43	15.0	ug/L	641127	3	11.48	2140120	50.0