LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050219\
Data File : VU031706.D
Acq On : 02 May 2019 12:48
Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.396	87	95	109	rBV	322536	355478	0.22%	0.053%
2	1.679	176	183	196	rVV	283785	362281	0.22%	0.054%
3	2.267	354	366	380	rVV	621673	946519	0.59%	0.142%
4	4.190	950	964	998	rBV	365274	1148361	0.71%	0.172%
5	4.643	1085	1105	1127	rBV	545564	1291619	0.80%	0.194%
6	4.984	1195	1211	1224	rBV3	92061	219701	0.14%	0.033%
7	5.074	1225	1239	1265	rVB3	145011	368636	0.23%	0.055%
8	5.215	1266	1283	1298	rBV3	74581	182257	0.11%	0.027%
9	5.334	1298	1320	1327	rVV2	1126774	3226570	2.00%	0.484%
10	5.383	1328	1335	1355	rVV	1514316	3211233	1.99%	0.481%
11	5.531	1369	1381	1398	rVV	255139	649545	0.40%	0.097%
12	5.881	1477	1490	1537	rBV	1254265	2593025	1.61%	0.389%
13	6.325	1613	1628	1643	rBV	770141	1584082	0.98%	0.238%
14	6.408	1645	1654	1666	rVV3	128747	292626	0.18%	0.044%
15	6.920	1797	1813	1830	rVB2	132175	302573	0.19%	0.045%
16	7.045	1840	1852	1862	rBV4	75289	164787	0.10%	0.025%
17	7.225	1898	1908	1925	rVB	441919	799883	0.50%	0.120%
18	7.563	2002	2013	2023	rVV	1371631	2413339	1.50%	0.362%
19	7.633	2023	2035	2073	rVB	9942807	17584380	10.90%	2.636%
20	7.849	2095	2102	2115	rVV	281899	482065	0.30%	0.072%
21	8.312	2231	2246	2281	rBV	1430613	2731892	1.69%	0.410%
22	8.907	2423	2431	2442	rVB3	84812	133221	0.08%	0.020%
23	9.029	2452	2469	2476	rBV	82291	138885	0.09%	0.021%
24	9.087	2476	2487	2517	rVV	1778671	3032980	1.88%	0.455%
25	9.244	2524	2536	2560	rBV	1706037	2874042	1.78%	0.431%
26	9.370	2561	2575	2591	rVV	11794534	19627841	12.17%	2.943%
27	9.440	2592	2597	2621	rVB2	236167	429158	0.27%	0.064%
28	9.784	2689	2704	2738	rVV3	12358890	23556677	14.60%	3.532%
29	9.948	2740	2755	2765	rVV3	87573	154649	0.10%	0.023%
30	10.427	2893	2904	2917	rBV	1121486	1877034	1.16%	0.281%
31	10.505	2918	2928	2941	rVB2	253628	468475	0.29%	0.070%
32	10.585	2943	2953	2963	rBV	269050	421822	0.26%	0.063%
33	10.675	2971	2981	2998	rBV	1440616	3102804	1.92%	0.465%
34	10.768	2998	3010	3018	rVV	1910134	3170434	1.97%	0.475%

LSC Area Percent Report

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Acq On : 02 May 2019 12:48
Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

35	10.810	3018	3023	3046	rVB	390769	585285	0.36%	0.088%
36	10.993	3062	3080	3094	rBV2	886049	2111560	1.31%	0.317%
37	11.144	3109	3127	3138	rBV	5944988	9623842	5.96%	1.443%
38	11.212	3138	3148	3156	rVV	7898564	11897228	7.37%	1.784%
39	11.260	3156	3163	3177	rVB	2888983	4311951	2.67%	0.646%
40	11.328	3179	3184	3195	rVB9	95785	157824	0.10%	0.024%
41	11.395	3196	3205	3212	rBV3	168230	302495	0.19%	0.045%
42	11.479	3221	3231	3242	rBV	1900228	2894020	1.79%	0.434%
43	11.566	3249	3258	3267	rBV	1946625	2801152	1.74%	0.420%
44	11.620	3267	3275	3293	rVB	1356162	2114753	1.31%	0.317%
45	11.762	3308	3319	3328	rBV	1258270	2110960	1.31%	0.316%
46	11.807	3328	3333	3339	rVV	250094	320991	0.20%	0.048%
47	11.858	3339	3349	3365	rVB3	1746711	3275656	2.03%	0.491%
48	11.977	3373	3386	3397	rBV2	32749578	51230294	31.75%	7.681%
49	12.144	3429	3438	3441	rBV2	256826	364970	0.23%	0.055%
50	12.218	3453	3461	3466	rBV	490577	778664	0.48%	0.117%
51	12.302	3477	3487	3497	rVB3	455291	855453	0.53%	0.128%
52	12.421	3514	3524	3535	rVB	2157843	3336004	2.07%	0.500%
53	12.482	3535	3543	3557	rBV2	547539	879554	0.55%	0.132%
54	12.604	3572	3581	3586	rBV5	206435	345581	0.21%	0.052%
55	12.646	3587	3594	3601	rVB2	505673	734304	0.46%	0.110%
56	12.704	3601	3612	3624	rBV4	1618325	3308432	2.05%	0.496%
57	12.820	3639	3648	3657	rBV	1621409	2623200	1.63%	0.393%
58	12.958	3683	3691	3705	rVB	428889	663251	0.41%	0.099%
59	13.032	3707	3714	3721	rBV6	92770	158858	0.10%	0.024%
60	13.080	3722	3729	3732	rBV2	196097	249670	0.15%	0.037%
61	13.119	3732	3741	3750	rVV3	2308803	3743426	2.32%	0.561%
62	13.180	3750	3760	3773	rVB	7441698	11176315	6.93%	1.676%
63	13.286	3781	3793	3810	rBV	8431202	13818253	8.56%	2.072%
64	13.382	3812	3823	3838	rVB2	1040694	2001890	1.24%	0.300%
65	13.508	3855	3862	3868	rBV4	163288	232775	0.14%	0.035%
66	13.636	3890	3902	3907	rBV2	127895	273913	0.17%	0.041%
67	13.749	3919	3937	3961	rBV2	88214393	161344594	100.00%	24.190%
68	13.858	3962	3971	3986	rVB	1549249	2669125	1.65%	0.400%
69	14.138	4050	4058	4065	rBV2	740885	1085280	0.67%	0.163%
70	14.238	4084	4089	4096	rVB4	371071	470087	0.29%	0.070%
71	14.279	4096	4102	4109	rVB	416561	584516	0.36%	0.088%

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Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

72	14.334	4110	4119	4128	rBV2	1147672	2009919	1.25%	0.301%
73	14.459	4144	4158	4175	rBV3	876197	2039868	1.26%	0.306%
74	14.582	4189	4196	4211	rVB	465069	749575	0.46%	0.112%
75	14.659	4213	4220	4222	rBV2	236216	286044	0.18%	0.043%
76	14.726	4234	4241	4258	rVB3	888759	1633503	1.01%	0.245%
77	14.816	4260	4269	4275	rBV	544774	861142	0.53%	0.129%
78	14.877	4275	4288	4312	rVV2	61197469	97628352	60.51%	14.637%
79	14.984	4314	4321	4331	rVB	317600	520400	0.32%	0.078%
80	15.061	4332	4345	4362	rBV2	36227252	57669132	35.74%	8.646%
81	15.601	4502	4513	4524	rBV	4867047	7436057	4.61%	1.115%
82	15.665	4526	4533	4542	rVB4	410720	671787	0.42%	0.101%
83	15.794	4565	4573	4580	rBV	1540418	2188718	1.36%	0.328%
84	15.910	4596	4609	4625	rBV	9047871	15729505	9.75%	2.358%
85	16.054	4643	4654	4661	rBV	10951449	17497006	10.84%	2.623%
86	16.093	4661	4666	4679	rVB	5504248	7953250	4.93%	1.192%
87	16.183	4684	4694	4706	rVB	4228504	6529132	4.05%	0.979%
88	16.279	4707	4724	4746	rVB	2998313	7707151	4.78%	1.156%
89	16.427	4760	4770	4786	rBV	1682224	2722231	1.69%	0.408%
90	16.517	4787	4798	4817	rVB	9526658	16341954	10.13%	2.450%
91	16.627	4824	4832	4843	rVB3	759112	1265922	0.78%	0.190%
92	16.729	4854	4864	4871	rBV	1124389	1953598	1.21%	0.293%
93	16.864	4900	4906	4914	rVB2	205292	275334	0.17%	0.041%
94	16.932	4915	4927	4930	rVV6	352630	646866	0.40%	0.097%
95	16.964	4931	4937	4945	rVV	1052455	1705068	1.06%	0.256%
96	17.012	4945	4952	4976	rVB3	1071466	2288710	1.42%	0.343%
97	17.160	4989	4998	5009	rVB	1236888	1973141	1.22%	0.296%
98	17.221	5009	5017	5028	rVB	730199	1092466	0.68%	0.164%
99	17.360	5055	5060	5085	rVB4	521704	1189068	0.74%	0.178%
100	17.527	5101	5112	5125	rBV	547857	1080917	0.67%	0.162%

Sum of corrected areas: 666980816

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050219\
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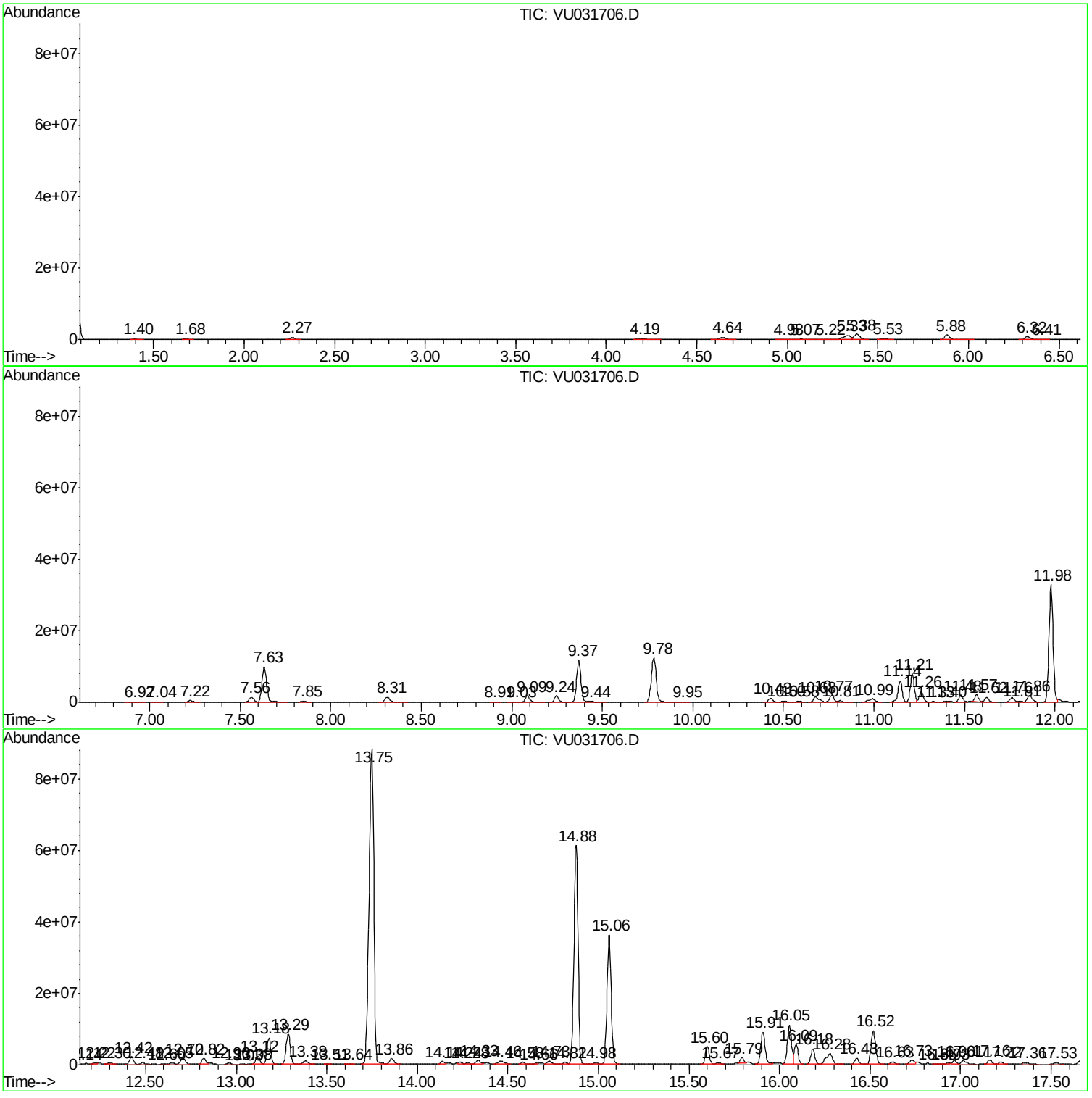
Acq On : 02 May 2019 12:48
Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91

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

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031706.D
Acq On : 02 May 2019 12:48
Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91

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

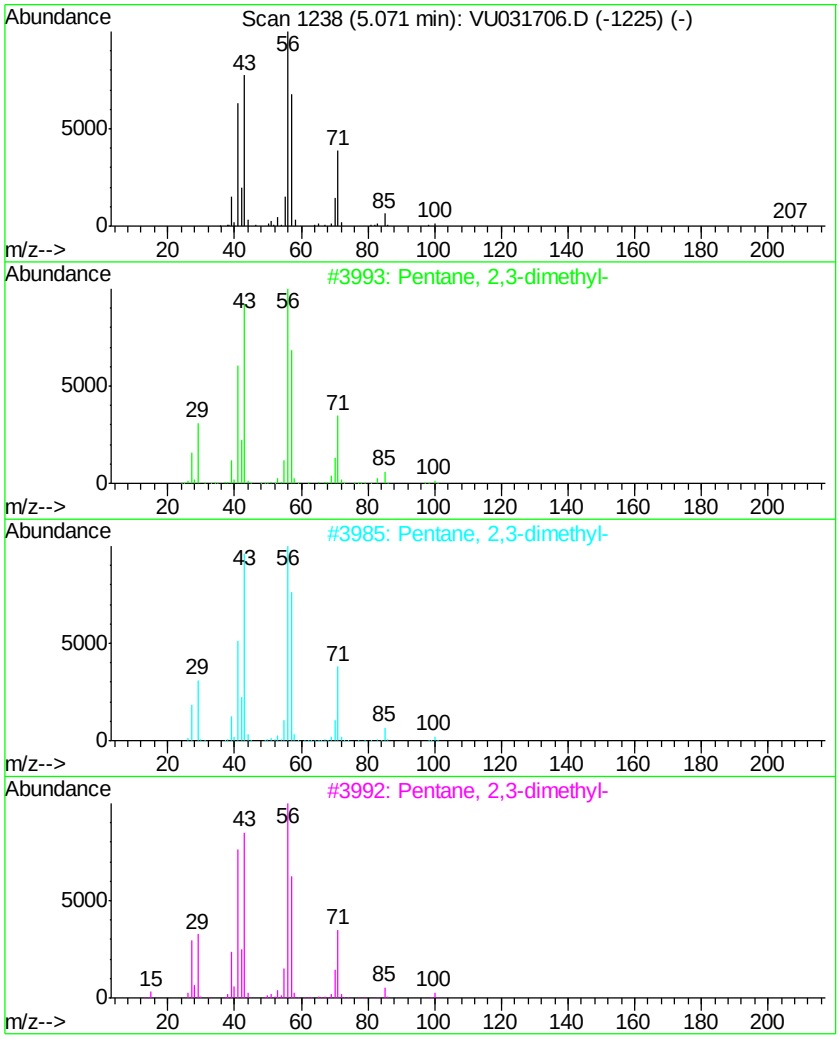
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

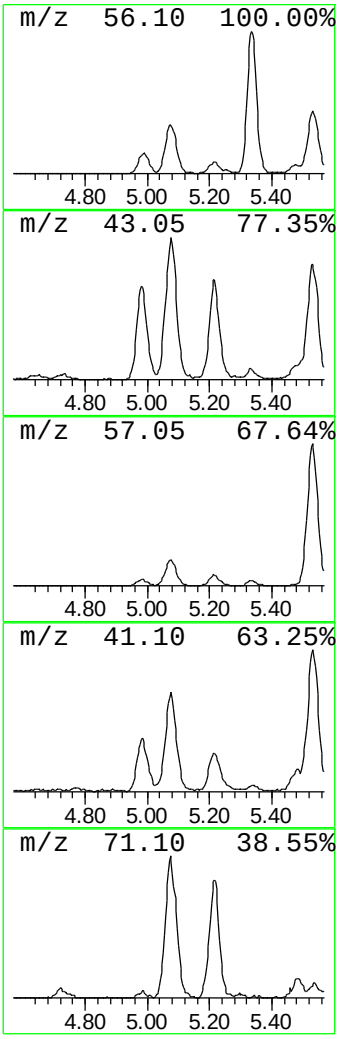
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	7.11 ug/L	368636	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	90
4	Ethanol, 2-(dodecyloxy)-	230	C14H30O2	004536-30-5	64
5	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031706.D
Acq On : 02 May 2019 12:48
Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91

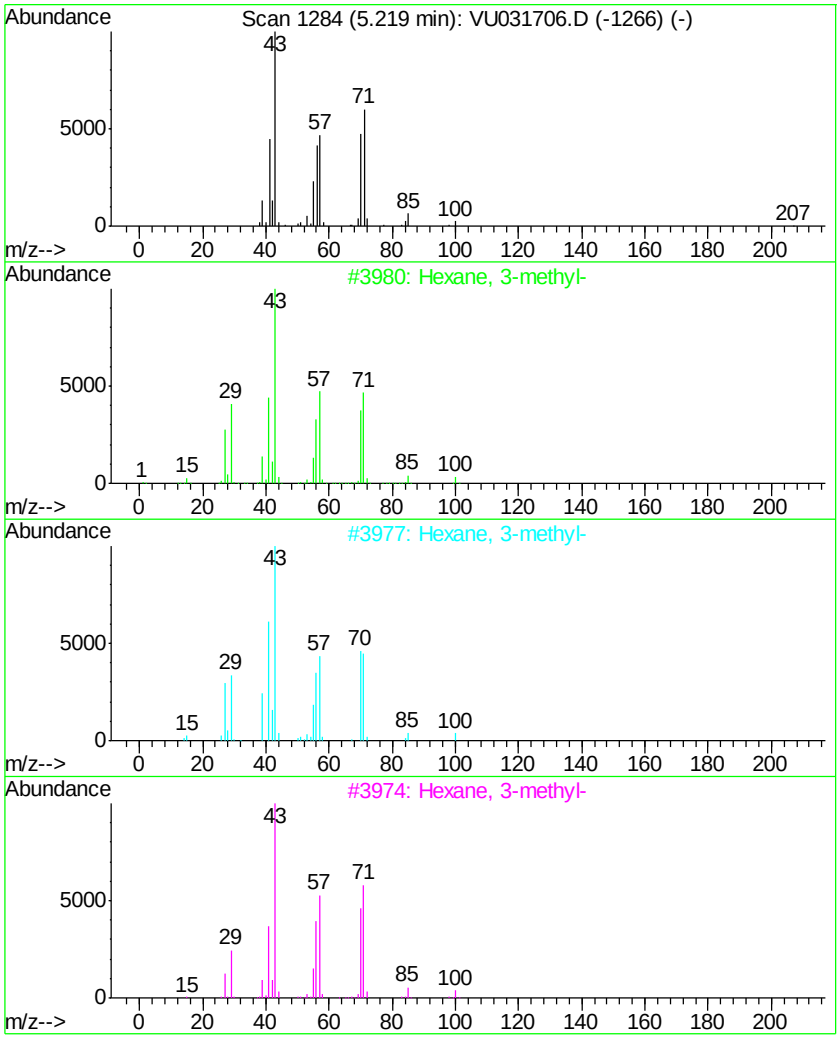
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

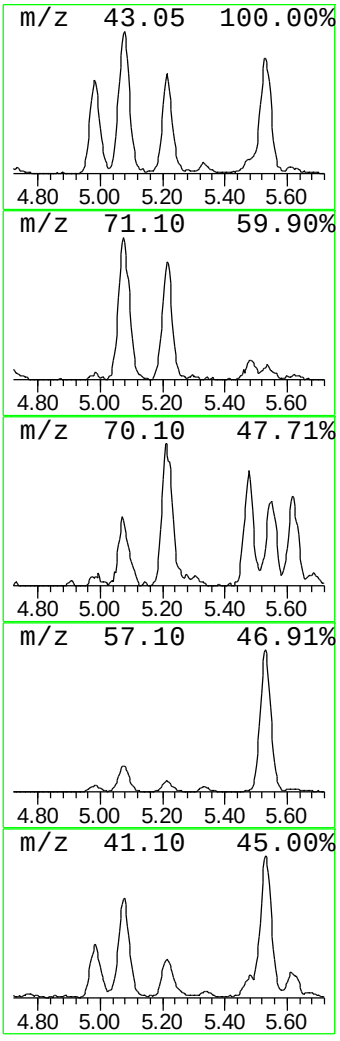
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.22	3.51 ug/L	182257	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
4	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	53
5	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031706.D
Acq On : 02 May 2019 12:48
Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91

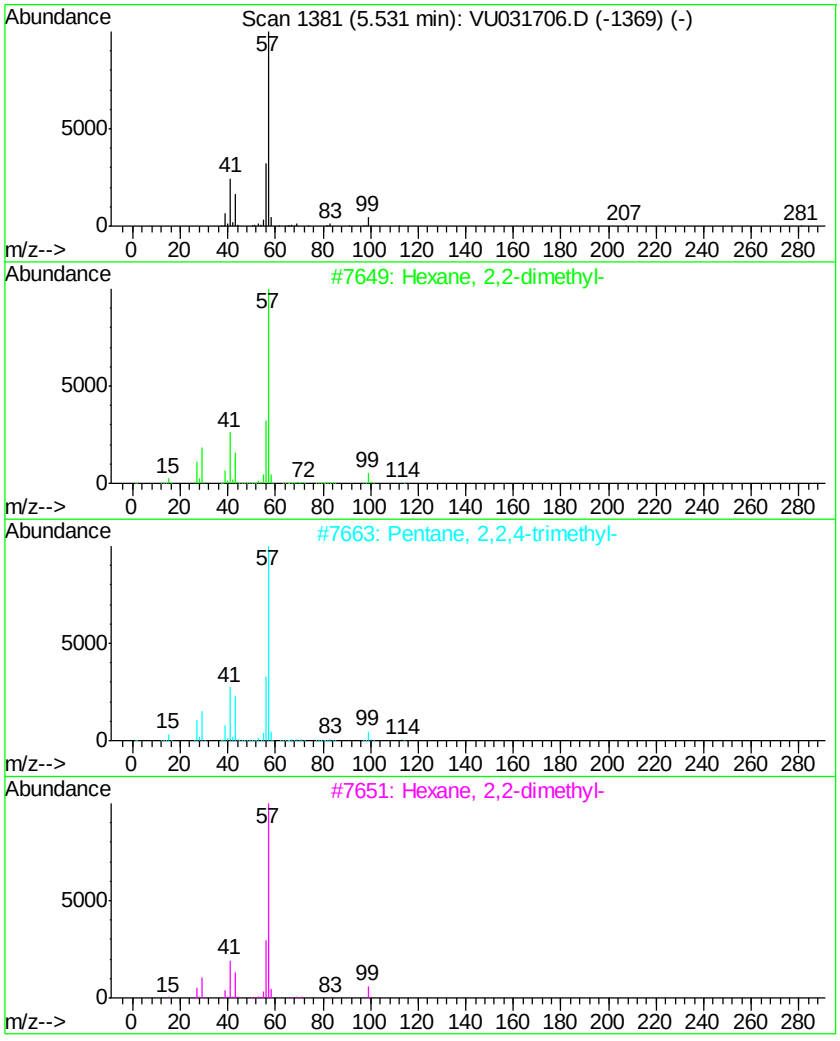
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

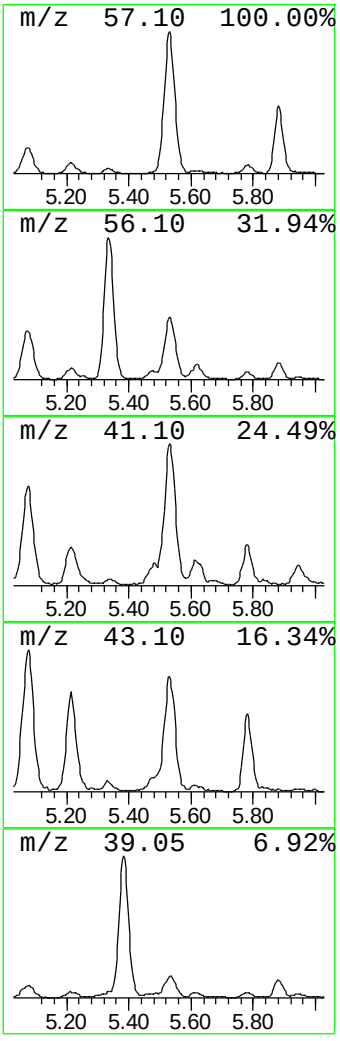
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	12.52 ug/L	649545	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
2	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
3	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	64
4	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	64
5	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031706.D
Acq On : 02 May 2019 12:48
Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91

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

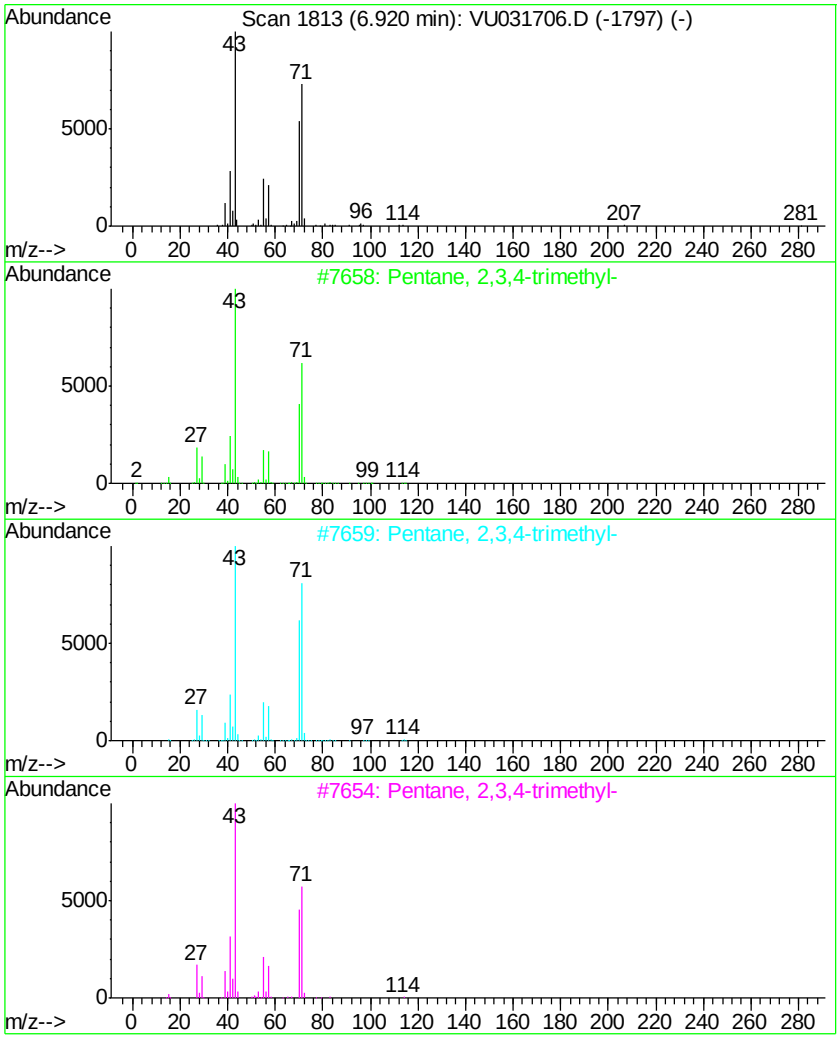
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

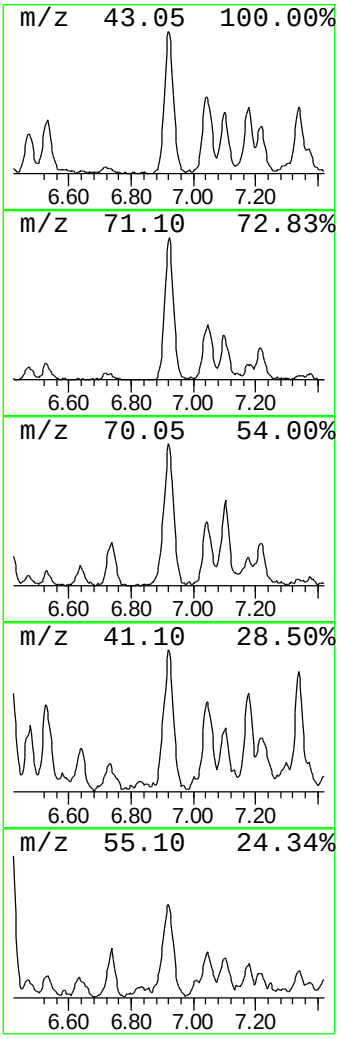
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.92	5.83 ug/L	302573	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	91
2	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	91
3	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	91
4	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	86
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031706.D
Acq On : 02 May 2019 12:48
Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91

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

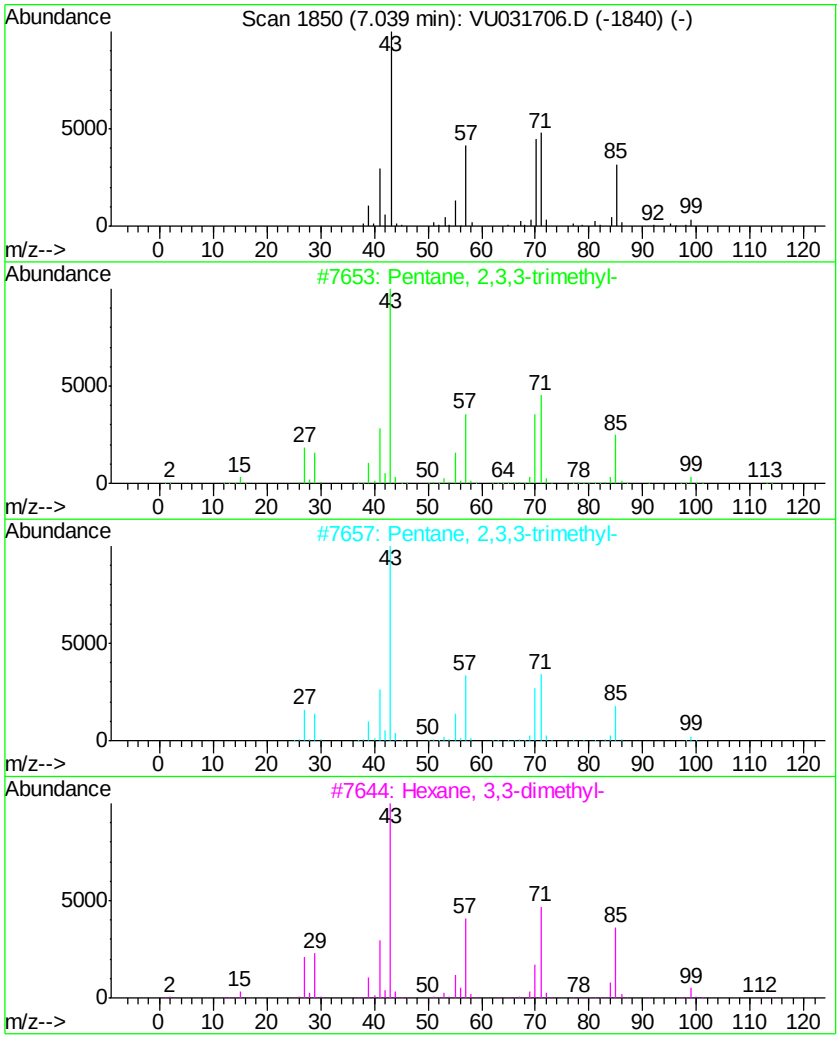
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

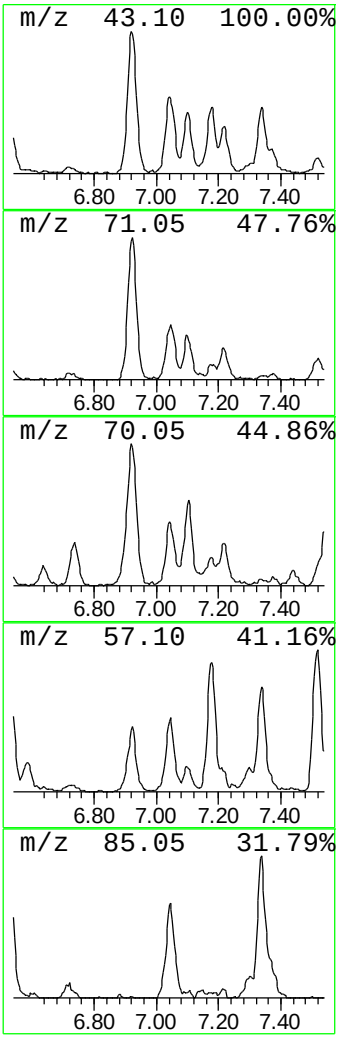
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.04	3.18 ug/L	164787	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	83
2	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	83
3	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64
4	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	64
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031706.D
Acq On : 02 May 2019 12:48
Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91

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

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

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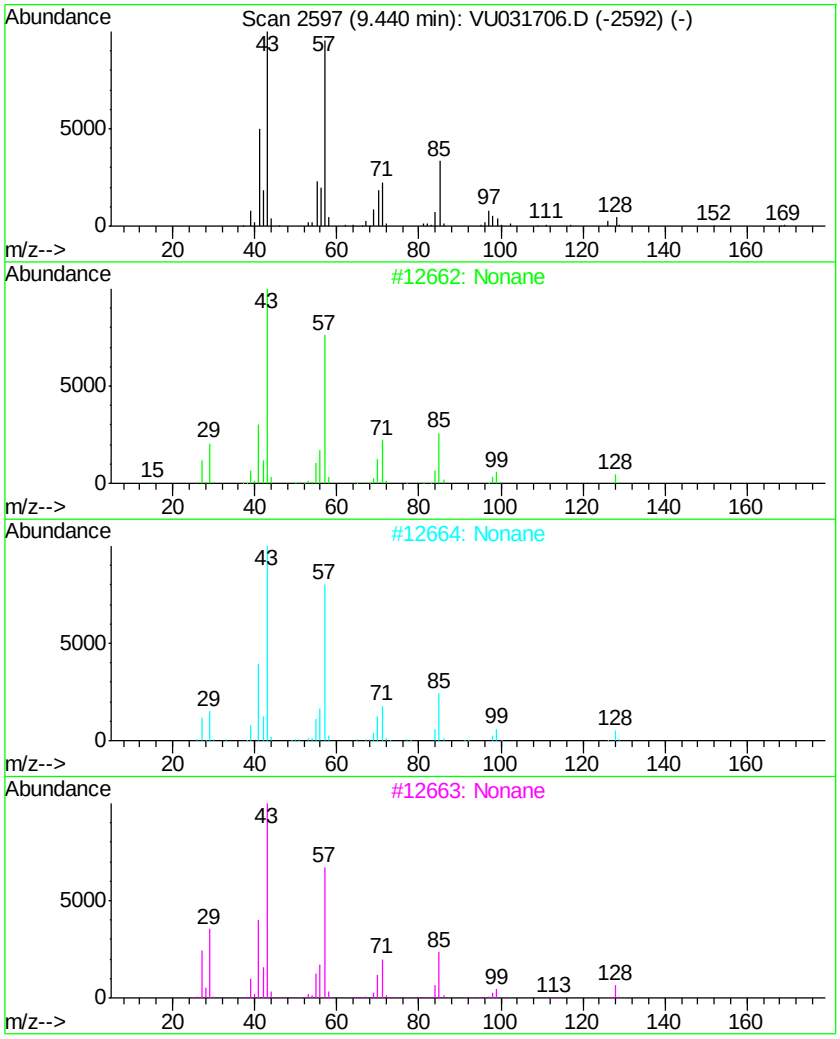
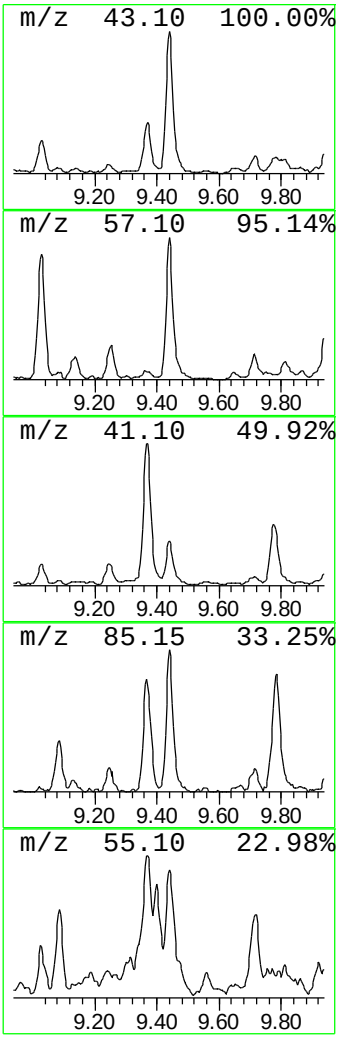
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	7.07 ug/L	429158	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	90
2	Nonane	128	C9H20	000111-84-2	78
3	Nonane	128	C9H20	000111-84-2	78
4	Octane	114	C8H18	000111-65-9	53
5	Ether, heptyl hexyl	200	C13H28O	007289-40-9	53





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Data File : VU031706.D
Acq On : 02 May 2019 12:48
Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91

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

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

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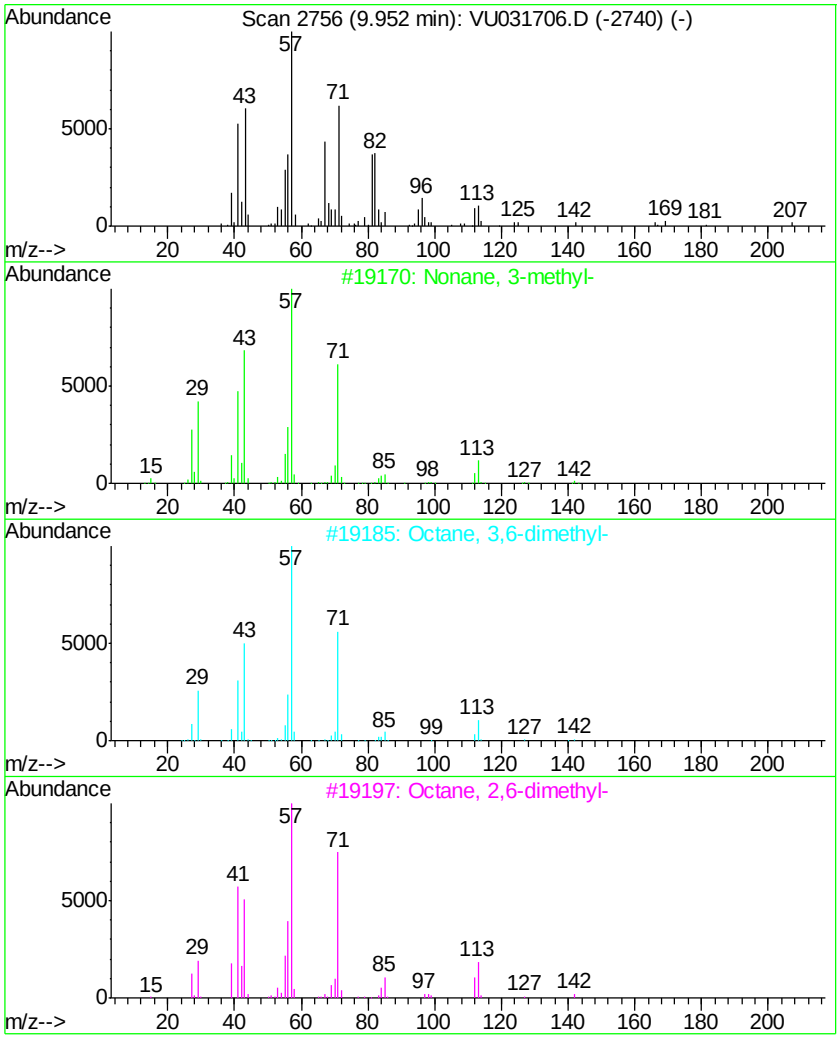
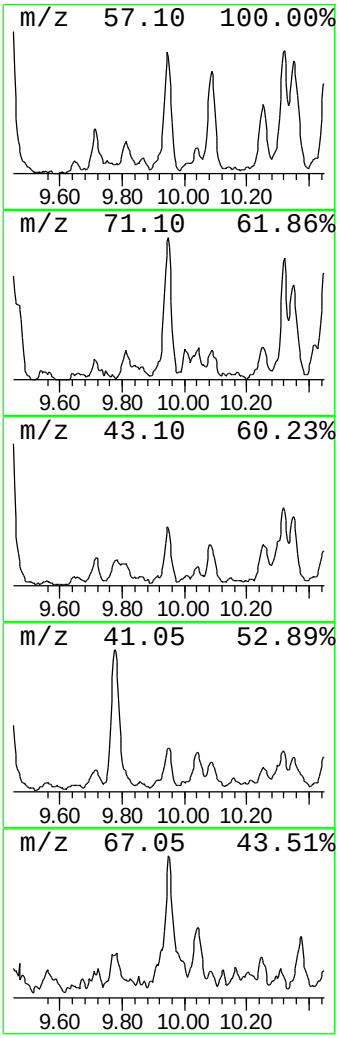
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 75

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	2.55 ug/L	154649	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	55
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	55
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	50
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	43
5	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	41





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Data File : VU031706.D
Acq On : 02 May 2019 12:48
Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91

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

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

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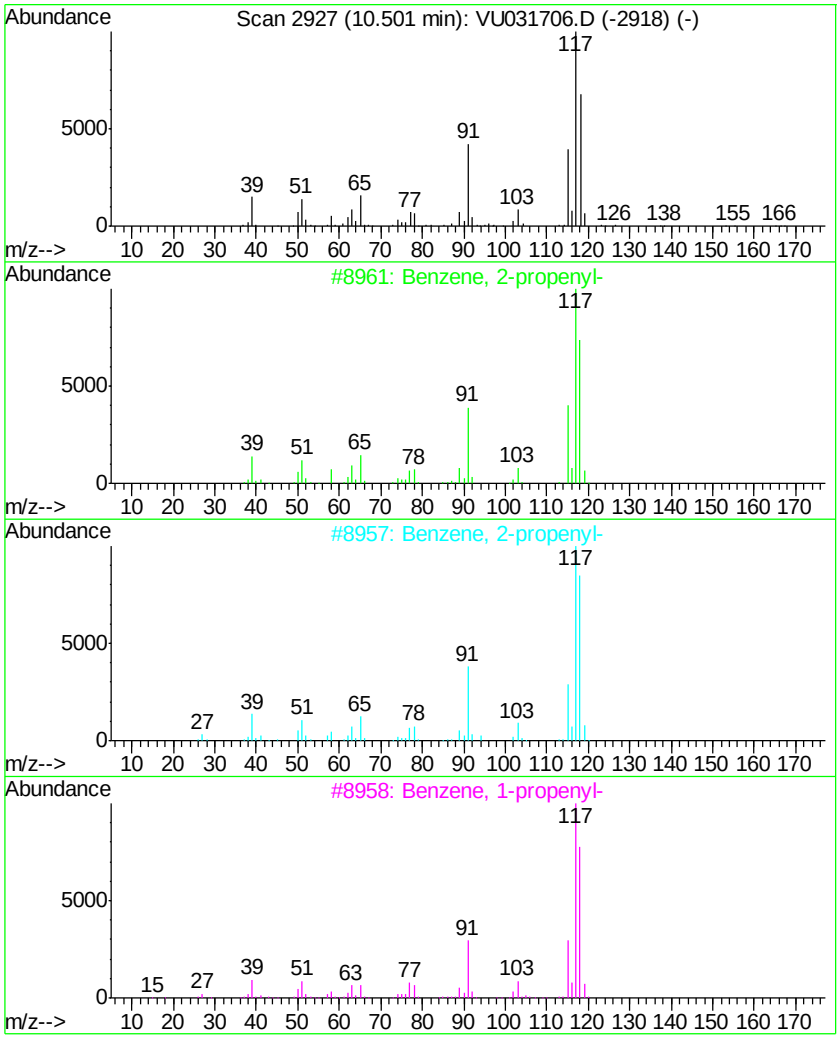
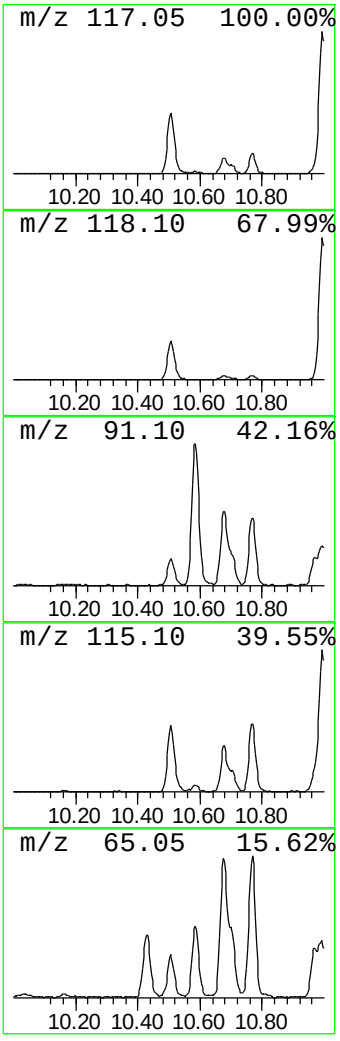
Peak Number 9 Benzene, 2-propenyl- Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.50	8.09 ug/L	468475	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	96
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	93
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	93
4	Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	90
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	89





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031706.D
Acq On : 02 May 2019 12:48
Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91

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

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

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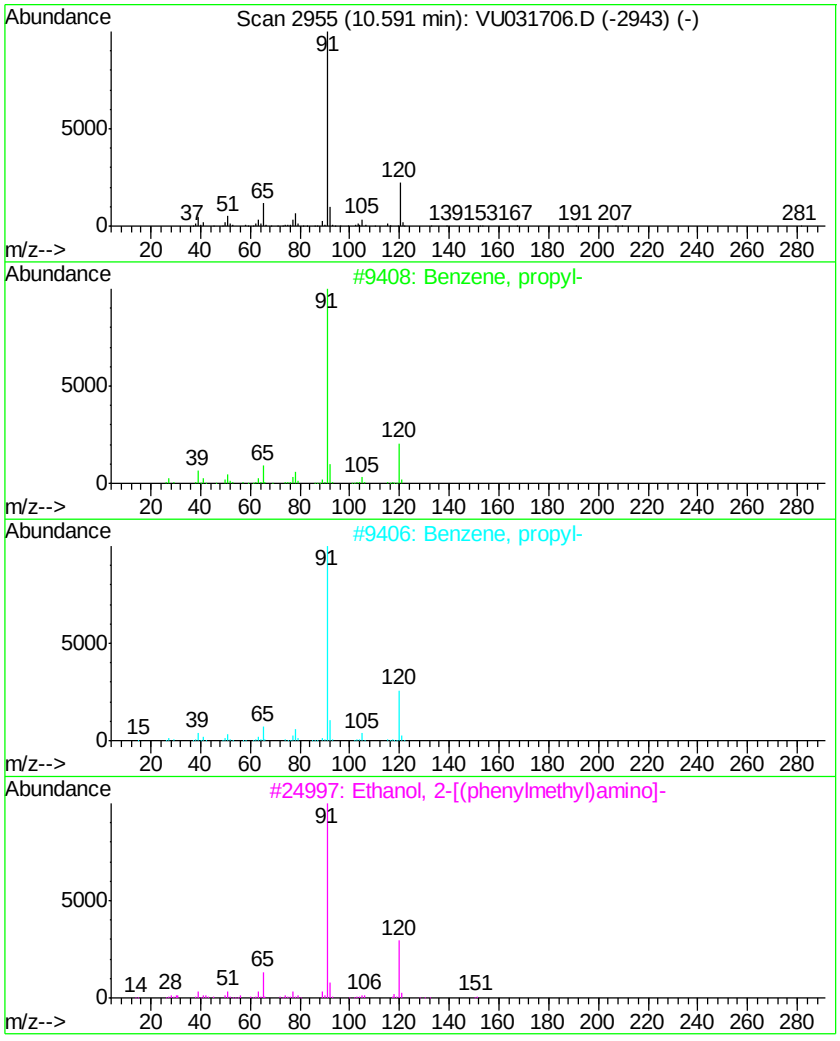
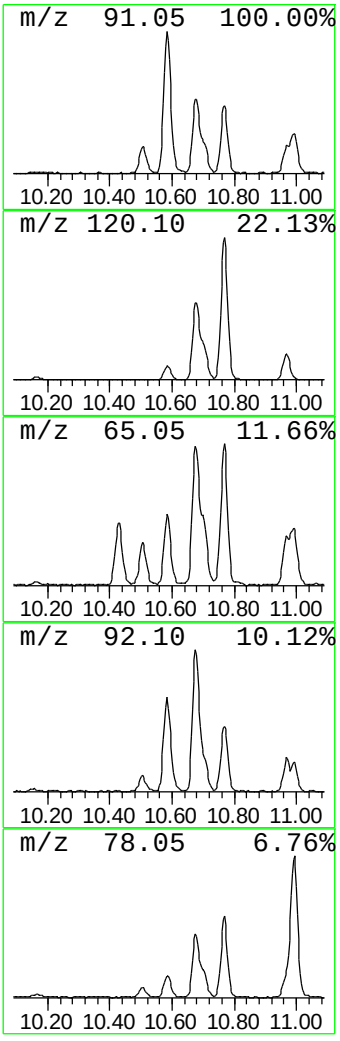
Peak Number 10 Benzene, propyl- Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	7.29 ug/L	421822	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	90
2	Benzene, propyl-	120	C9H12	000103-65-1	86
3	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	78
4	1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	72
5	Benzeneacetaldehyde	120	C8H8O	000122-78-1	53





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Data File : VU031706.D
Acq On : 02 May 2019 12:48
Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91

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

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

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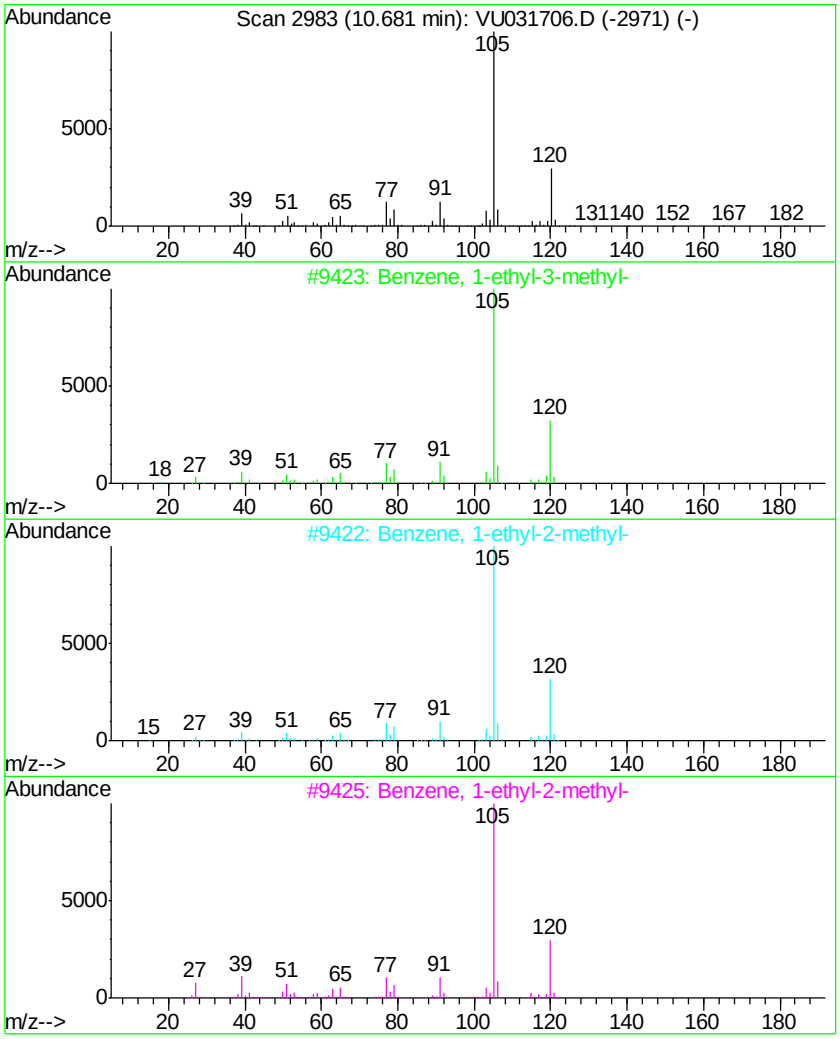
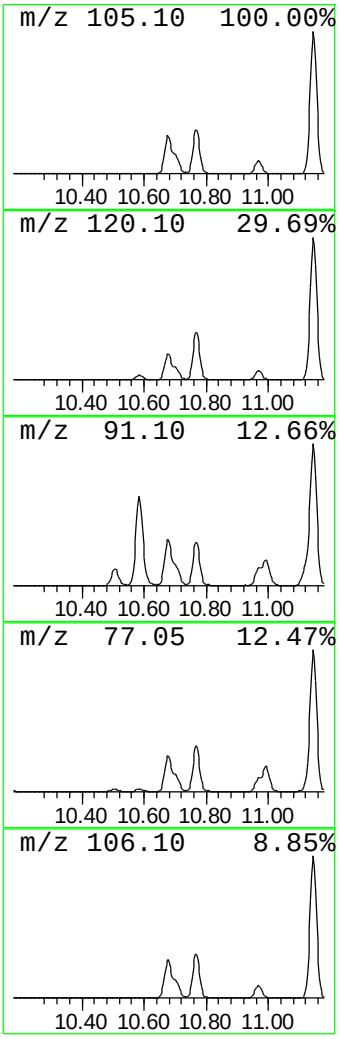
Peak Number 11 Benzene, 1-ethyl-3-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	53.61 ug/L	3102800	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	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Library Search Compound Report

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Data File : VU031706.D
Acq On : 02 May 2019 12:48
Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91

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

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

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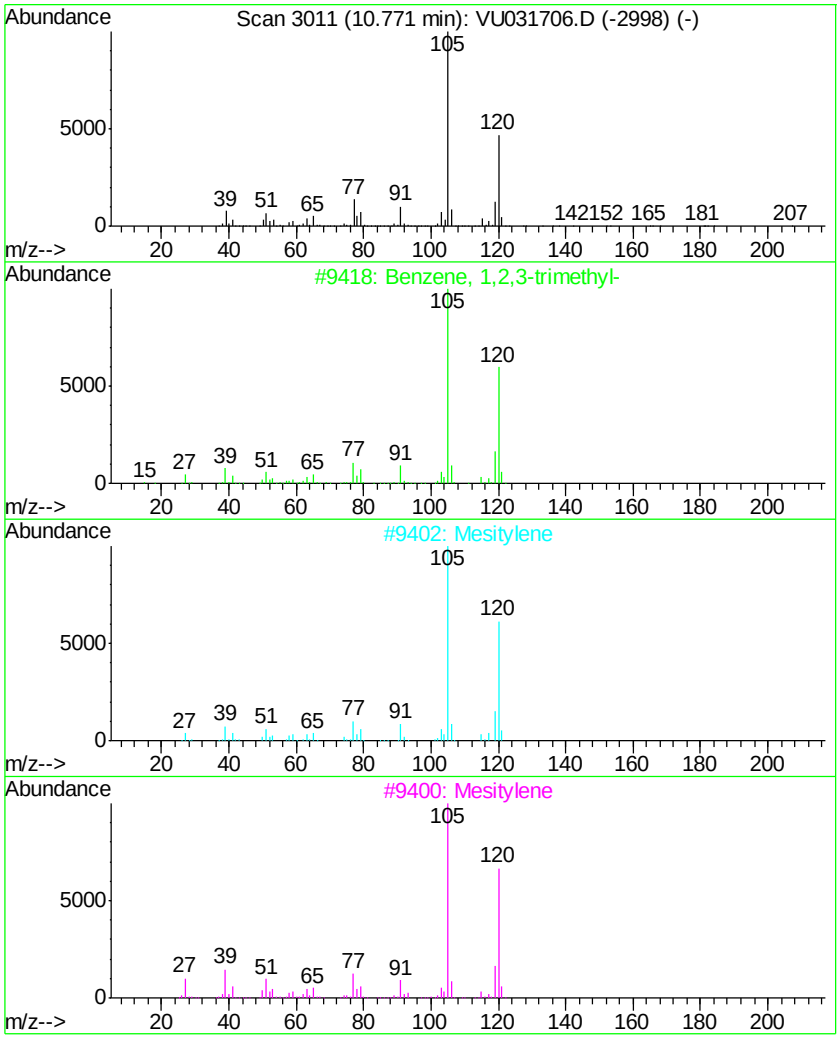
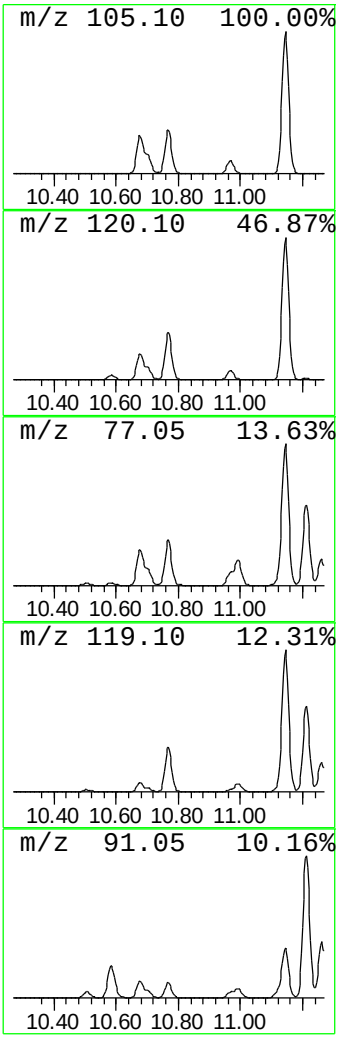
Peak Number 12 Benzene, 1,2,3-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	54.78 ug/L	3170430	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	97
3	Mesitylene	120	C9H12	000108-67-8	95
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94





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Data File : VU031706.D
Acq On : 02 May 2019 12:48
Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91

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

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

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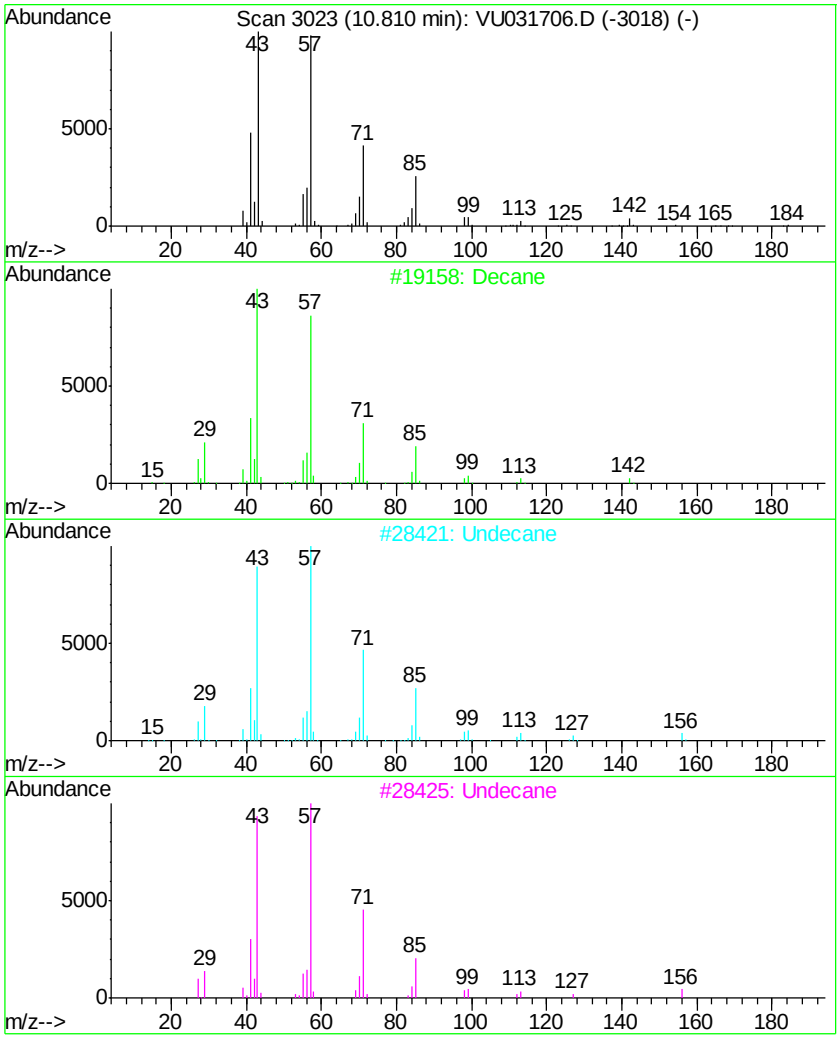
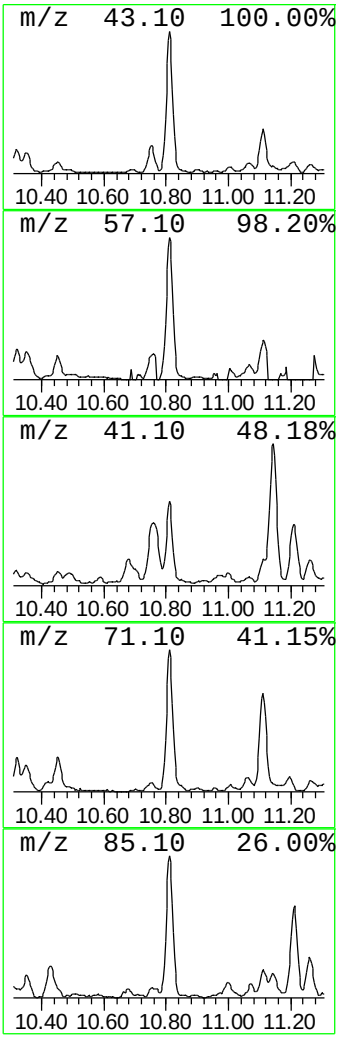
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	10.11 ug/L	585285	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	94
2	Undecane	156	C11H24	001120-21-4	83
3	Undecane	156	C11H24	001120-21-4	78
4	Tridecane	184	C13H28	000629-50-5	72
5	Undecane, 2,7-dimethyl-	184	C13H28	017301-24-5	64





Library Search Compound Report

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Data File : VU031706.D
Acq On : 02 May 2019 12:48
Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91

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

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

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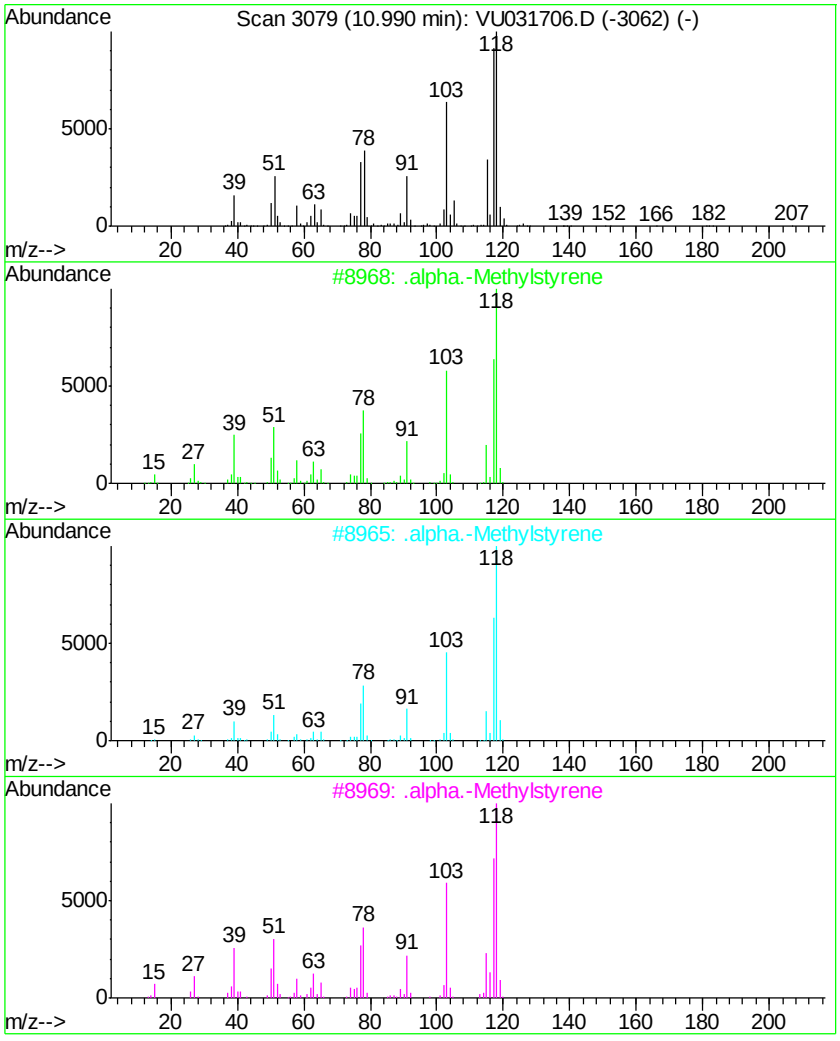
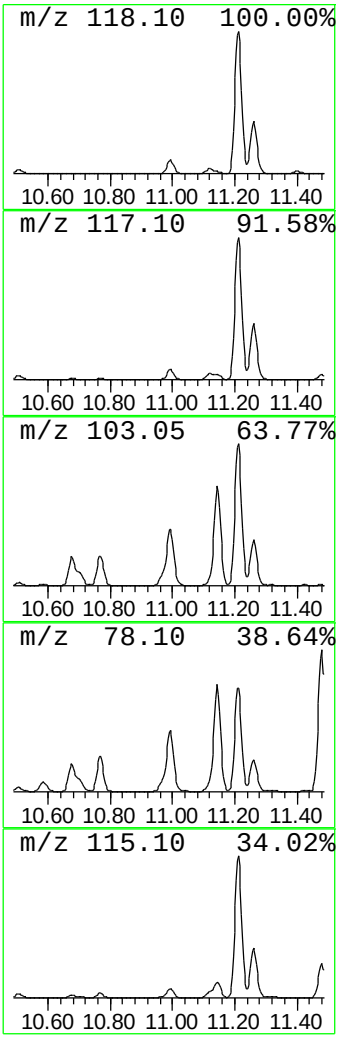
Peak Number 14 .alpha.-Methylstyrene Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.99	36.48 ug/L	2111560	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Methylstyrene	118	C9H10	000098-83-9	96
2	.alpha.-Methylstyrene	118	C9H10	000098-83-9	94
3	.alpha.-Methylstyrene	118	C9H10	000098-83-9	89
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	60
5	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031706.D
Acq On : 02 May 2019 12:48
Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91

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

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

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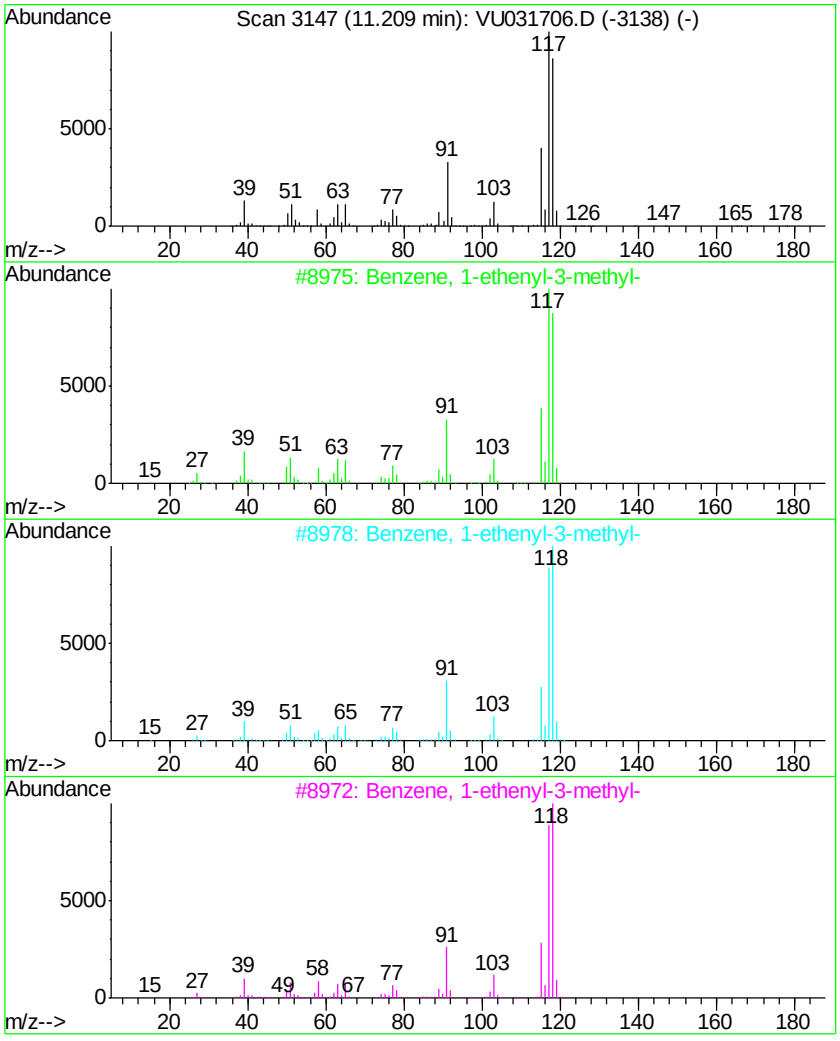
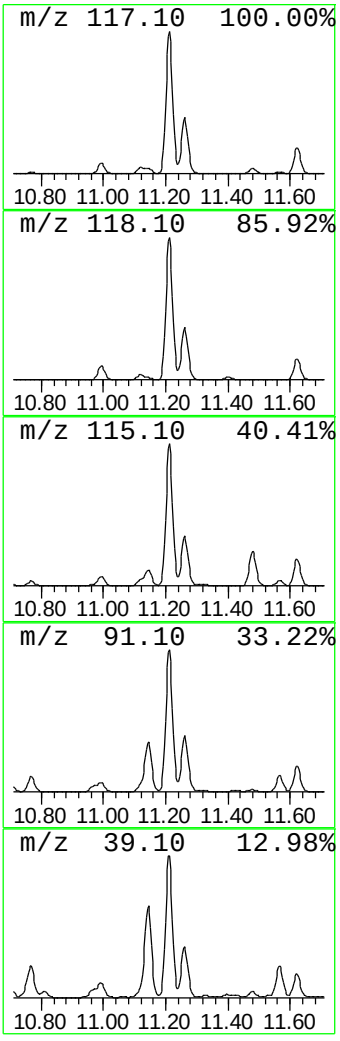
Peak Number 16 Benzene, 1-ethenyl-3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	205.55 ug/L	11897200	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-propenyl-	118	C9H10	000637-50-3	95
5	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	95





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Acq On : 02 May 2019 12:48
Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91

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

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

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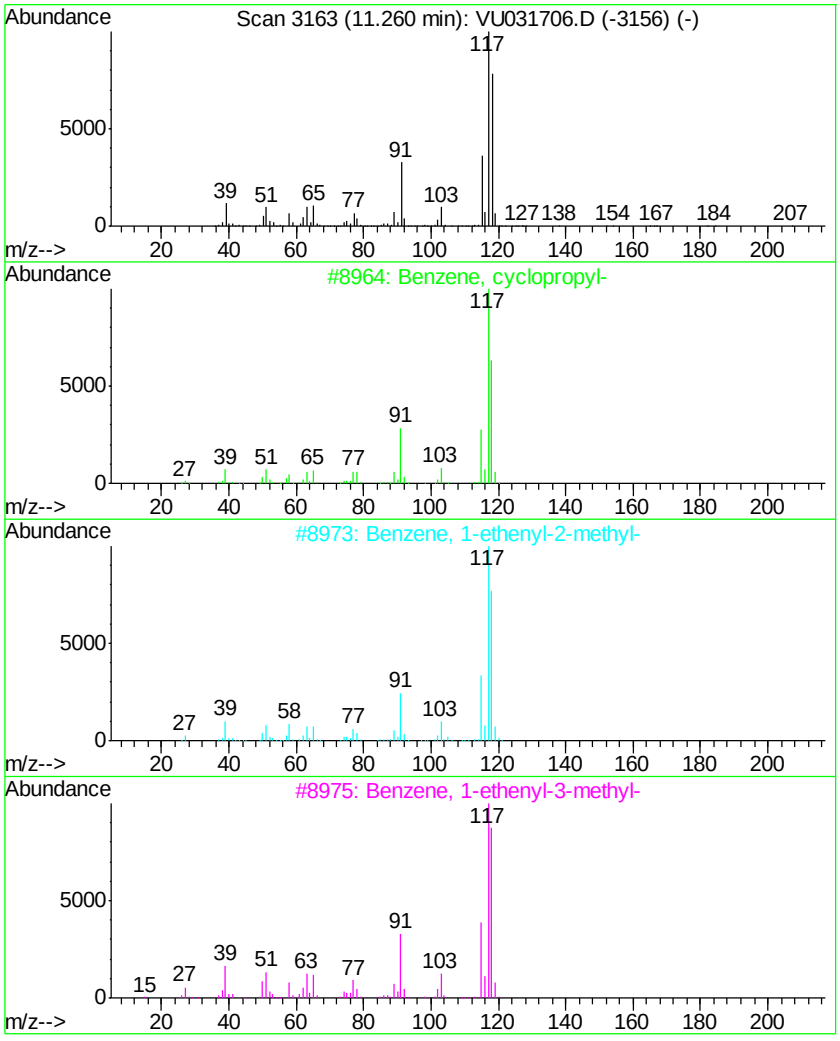
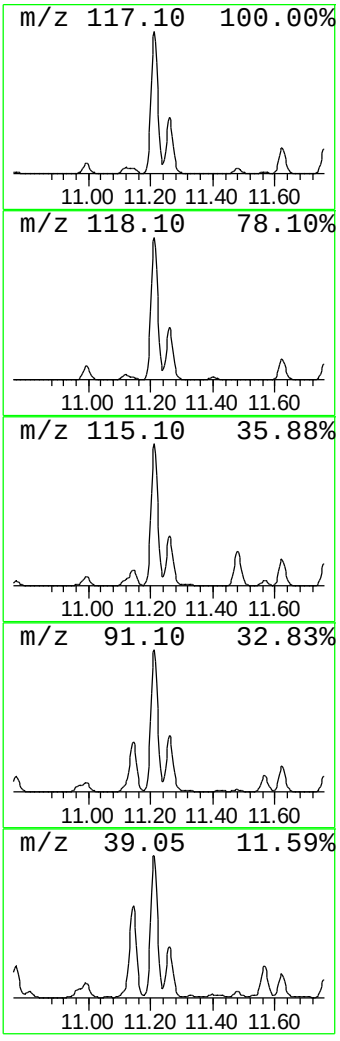
Peak Number 17 Benzene, cyclopropyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	74.50 ug/L	4311950	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
3	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	93
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	93
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031706.D
Acq On : 02 May 2019 12:48
Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91

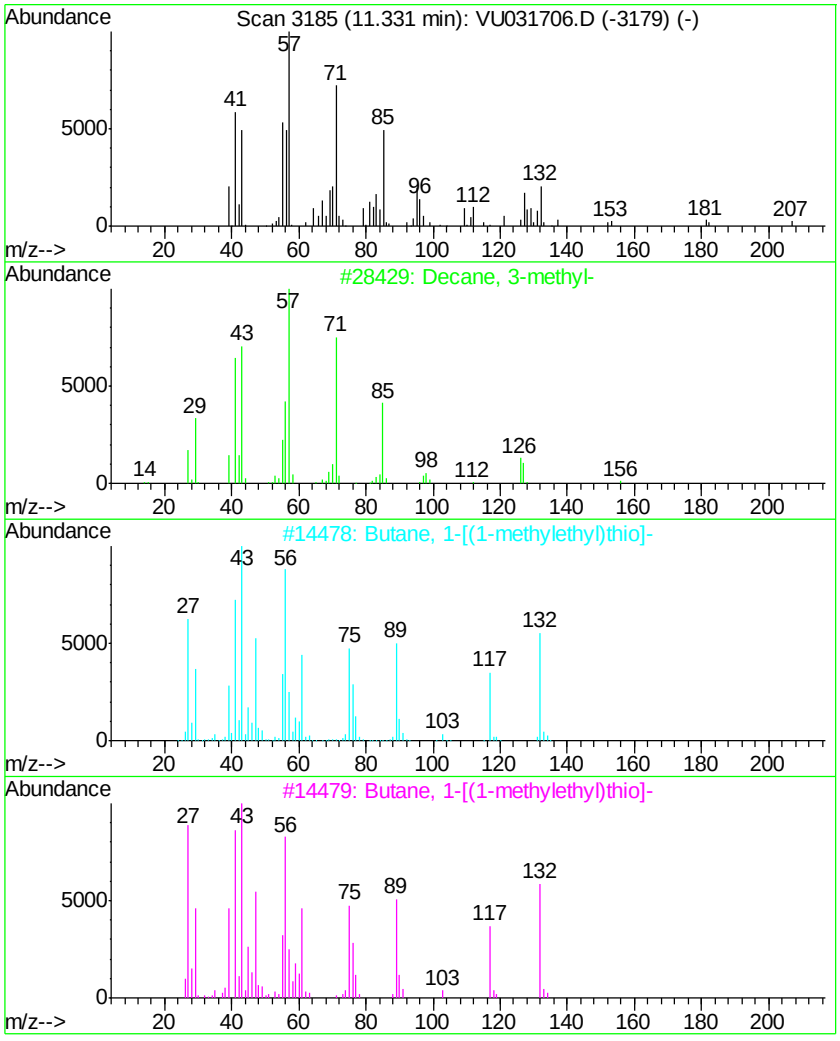
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

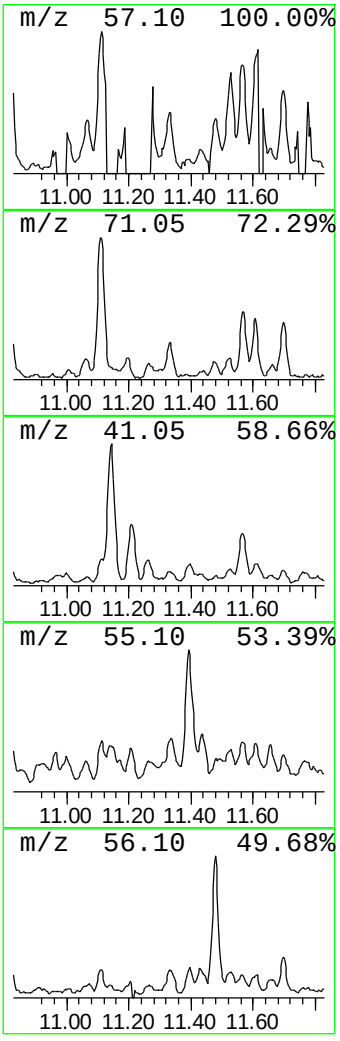
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 74

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.33	2.73 ug/L	157824	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	43
2	Butane, 1-[(1-methylethyl)thio]-	132	C7H16S	007309-43-5	30
3	Butane, 1-[(1-methylethyl)thio]-	132	C7H16S	007309-43-5	27
4	Dodecane, 3-methyl-	184	C13H28	017312-57-1	27
5	2-Bromo dodecane	248	C12H25Br	013187-99-0	27





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031706.D
Acq On : 02 May 2019 12:48
Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91

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

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

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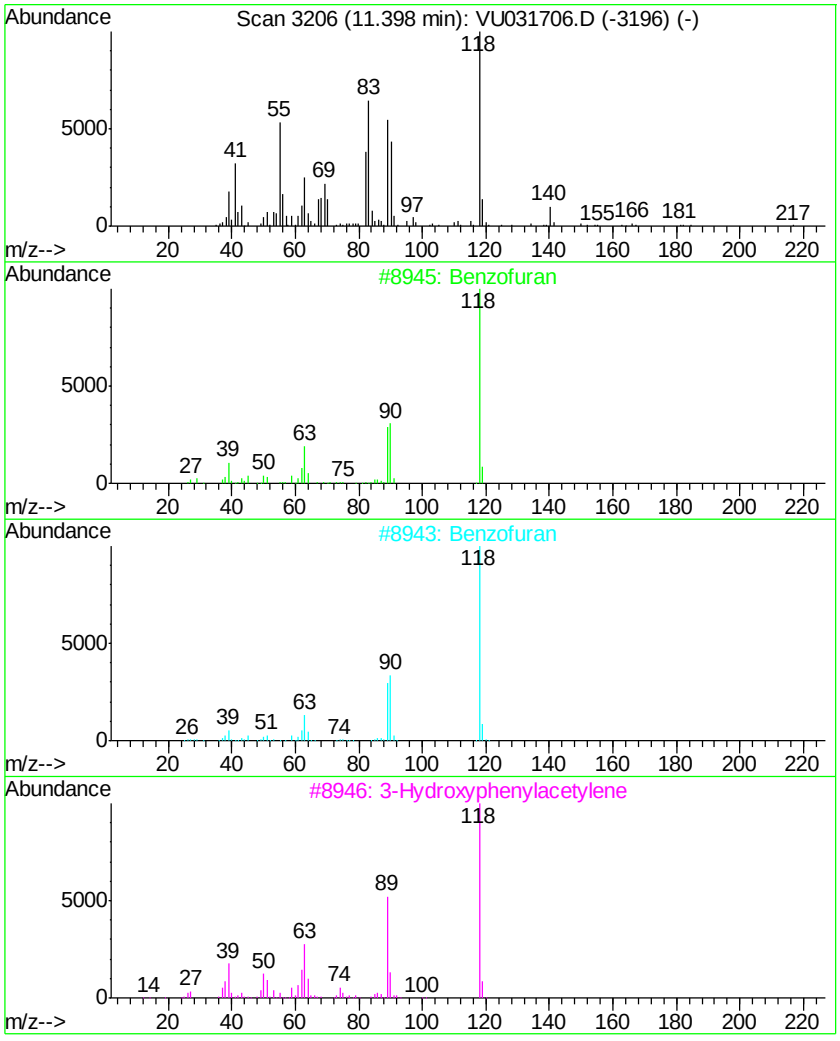
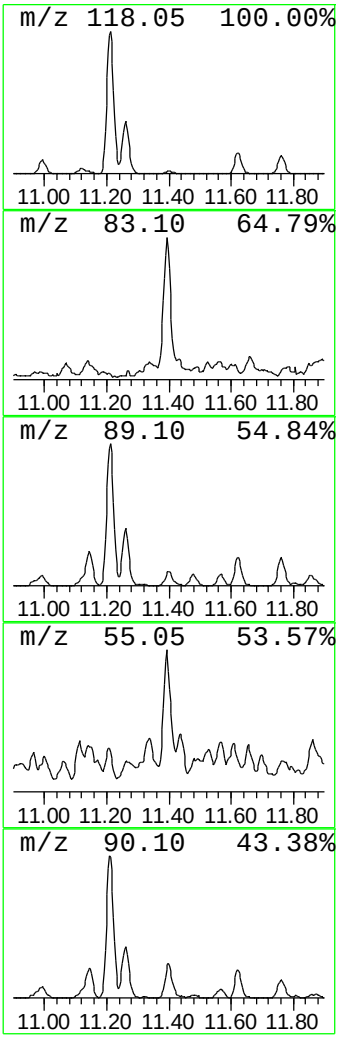
Peak Number 19 Benzofuran Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	5.23 ug/L	302495	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran	118	C8H6O	000271-89-6	90
2	Benzofuran	118	C8H6O	000271-89-6	87
3	3-Hydroxyphenylacetylene	118	C8H6O	010401-11-3	50
4	Benzofuran	118	C8H6O	000271-89-6	49
5	Coumarin	146	C9H6O2	000091-64-5	43





Library Search Compound Report

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Data File : VU031706.D
Acq On : 02 May 2019 12:48
Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91

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

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

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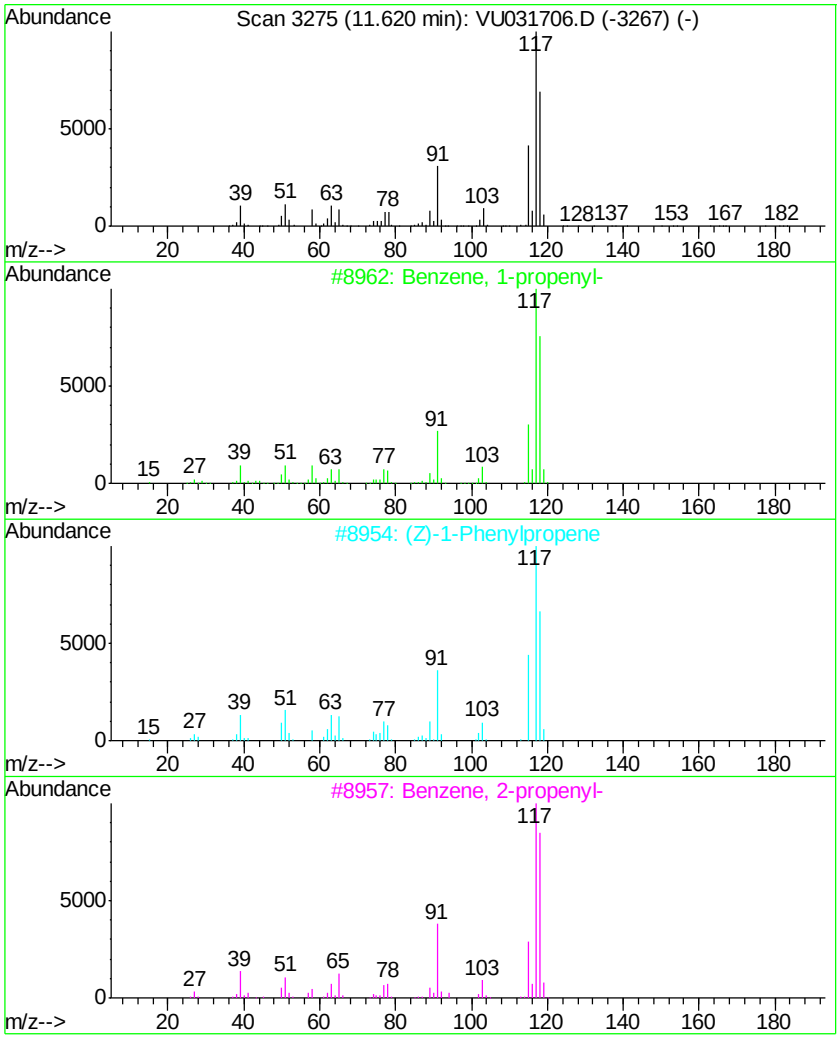
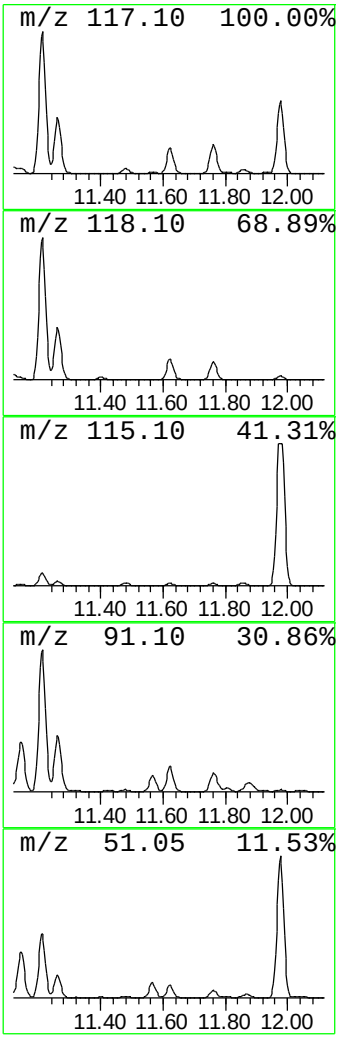
Peak Number 21 Benzene, 1-propenyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	36.54 ug/L	2114750	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	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	93
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	93
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	93
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	93





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Acq On : 02 May 2019 12:48
Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91

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

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

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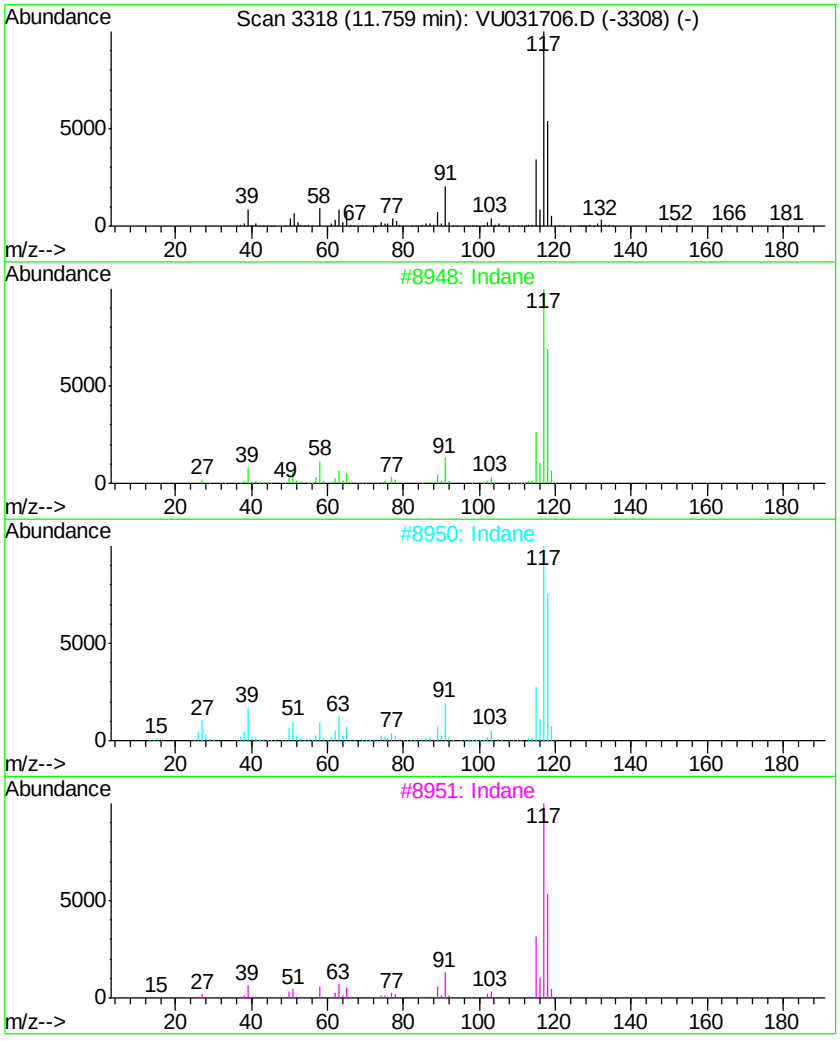
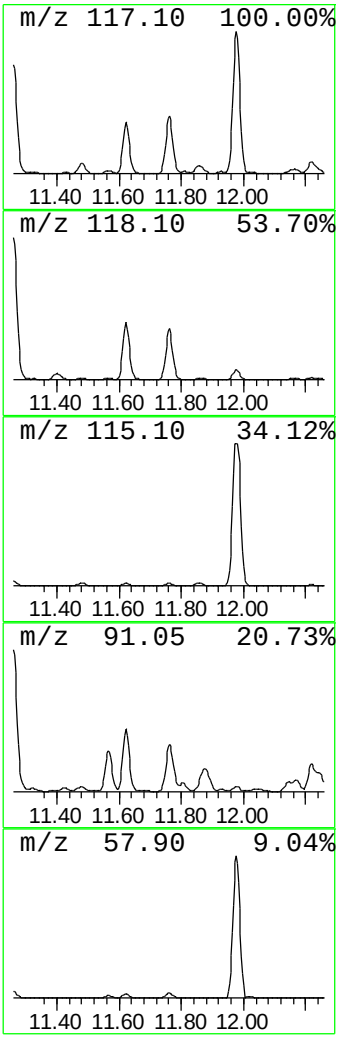
Peak Number 22 Indane Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	36.47 ug/L	2110960	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Indane	118	C9H10	000496-11-7	90
3	Indane	118	C9H10	000496-11-7	87
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	81
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	74





Library Search Compound Report

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Data File : VU031706.D
Acq On : 02 May 2019 12:48
Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91

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

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

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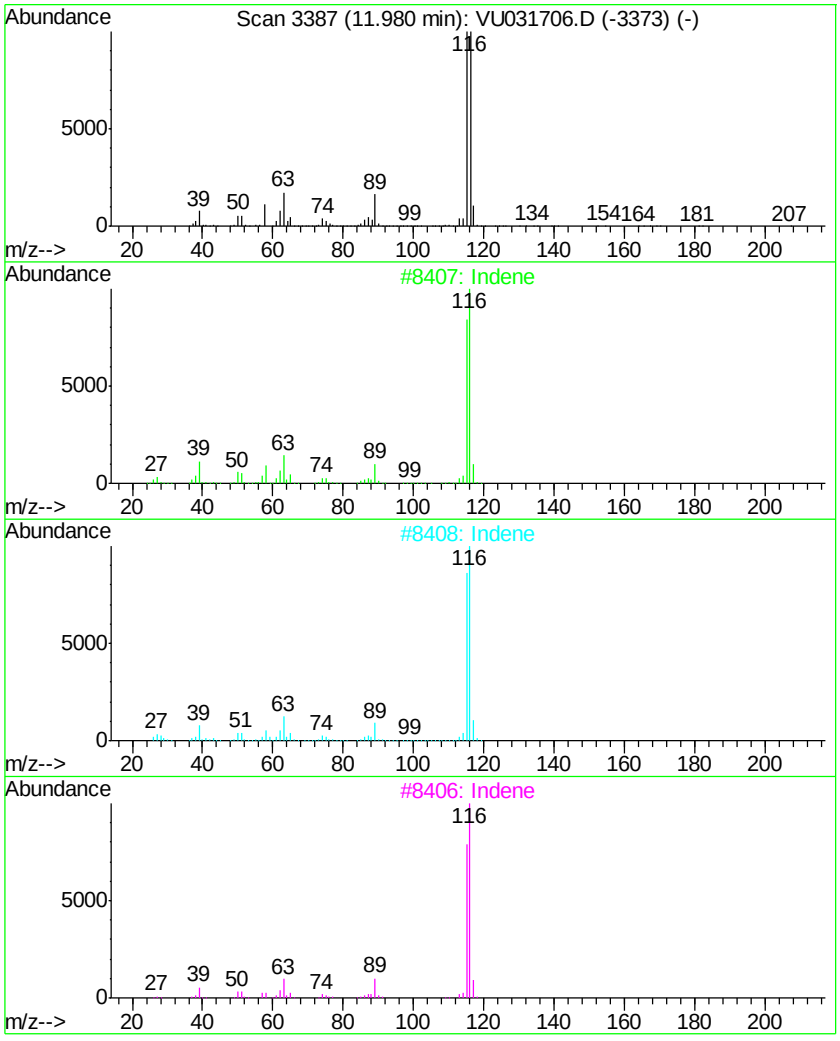
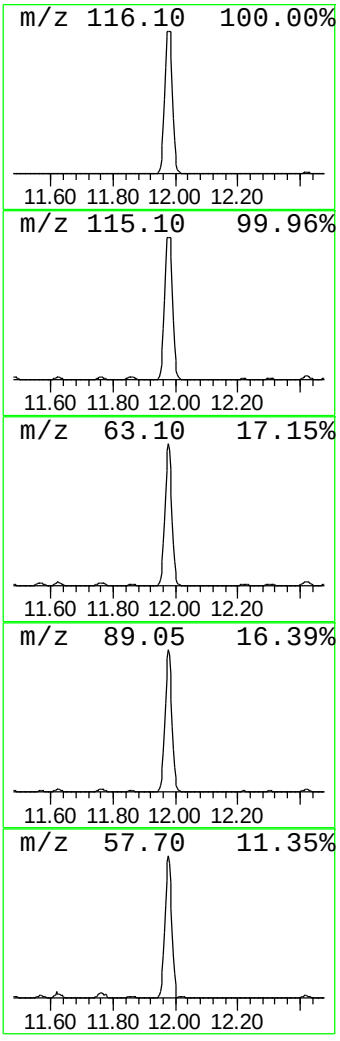
Peak Number 23 Indene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	885.11 ug/L	51230300	1,4-Dichlorobenzene-d4	11.48

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





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Data File : VU031706.D
Acq On : 02 May 2019 12:48
Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91

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

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

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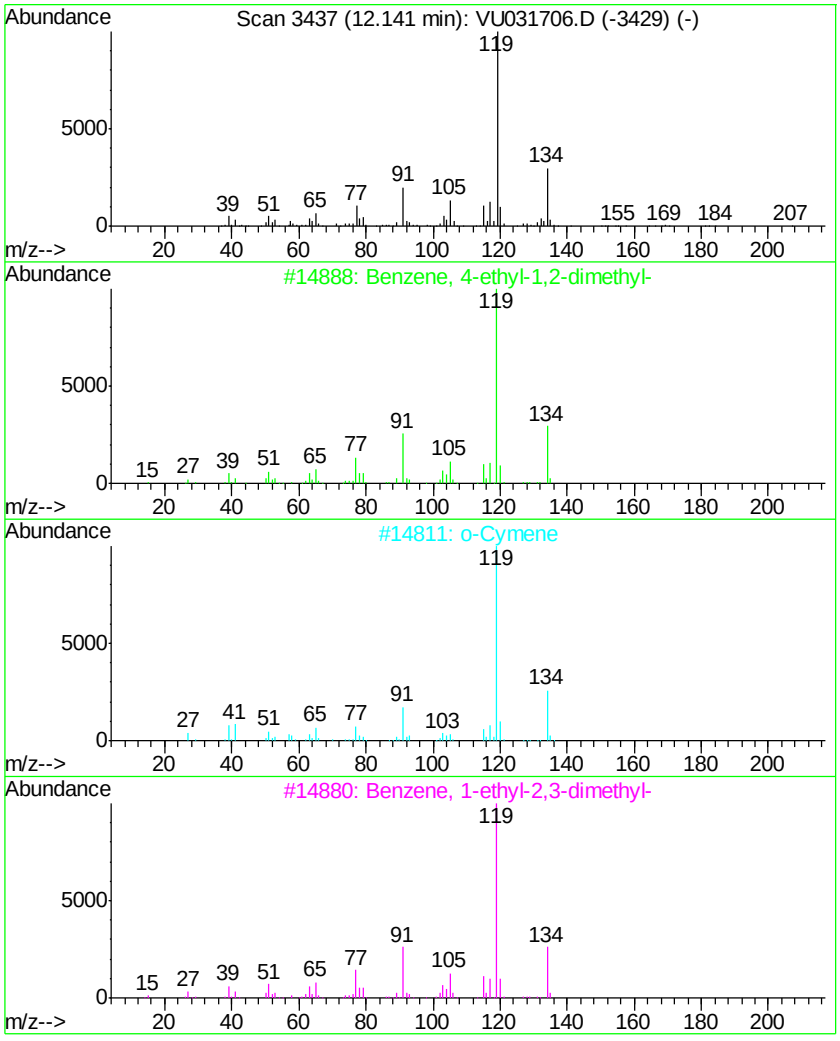
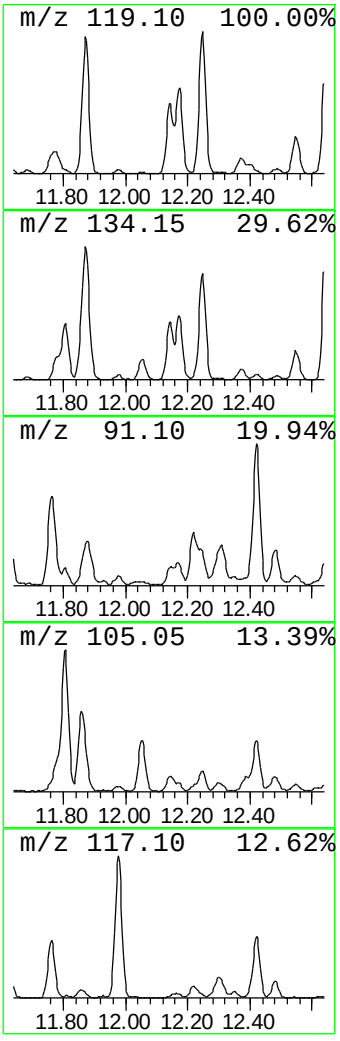
Peak Number 24 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	6.31 ug/L	364970	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
2	o-Cymene	134	C10H14	000527-84-4	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	90
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031706.D
Acq On : 02 May 2019 12:48
Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91

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

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

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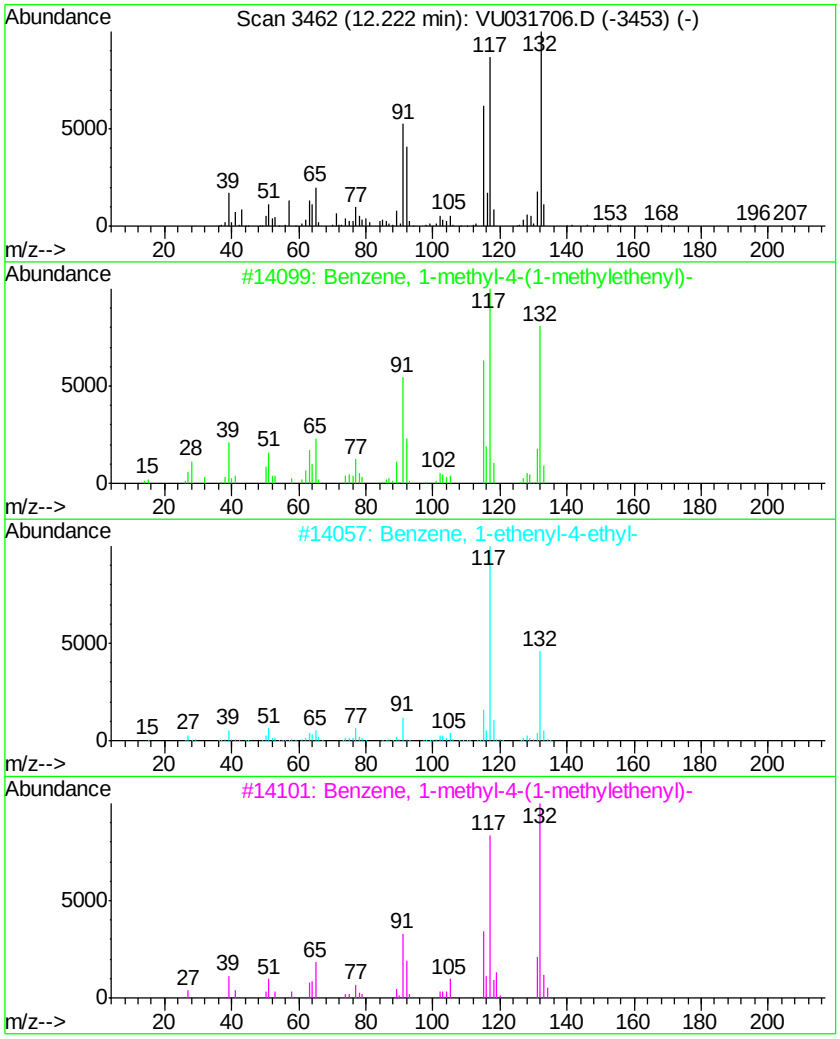
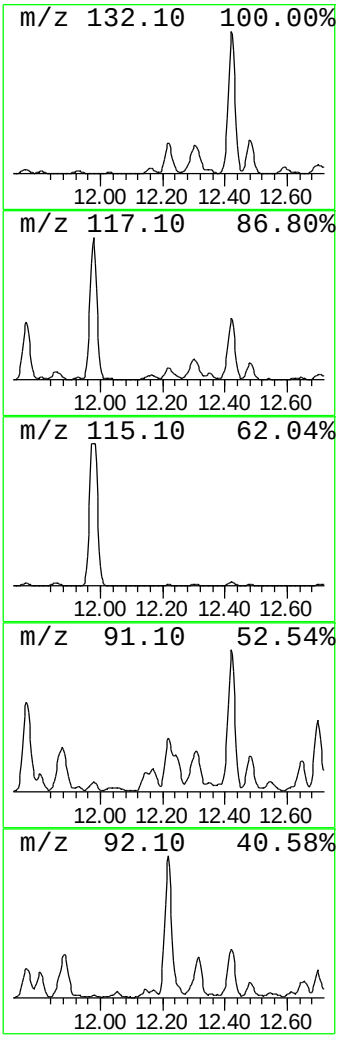
Peak Number 25 Benzene, 1-methyl-4-(1-meth... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	13.45 ug/L	778664	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	96
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	90
3	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	81
4	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	81
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	76





Library Search Compound Report

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Data File : VU031706.D
Acq On : 02 May 2019 12:48
Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91

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

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

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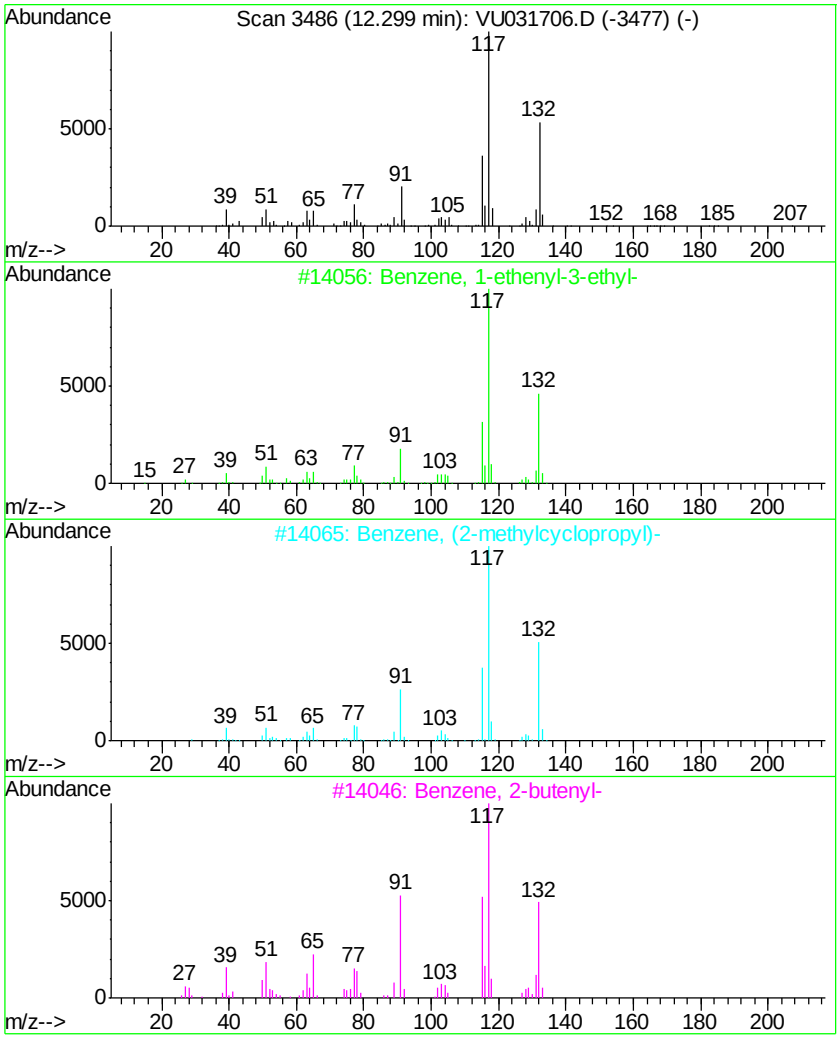
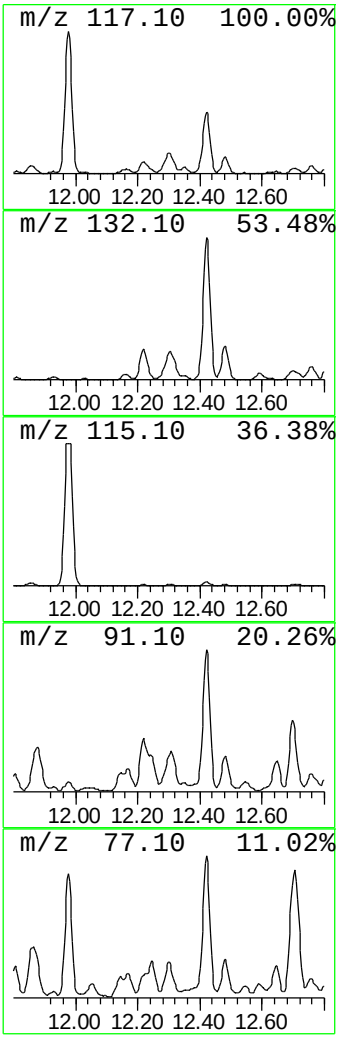
Peak Number 26 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	14.78 ug/L	855453	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	97
2	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	93
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	91
4	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	91
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	91





Library Search Compound Report

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Data File : VU031706.D
Acq On : 02 May 2019 12:48
Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91

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

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

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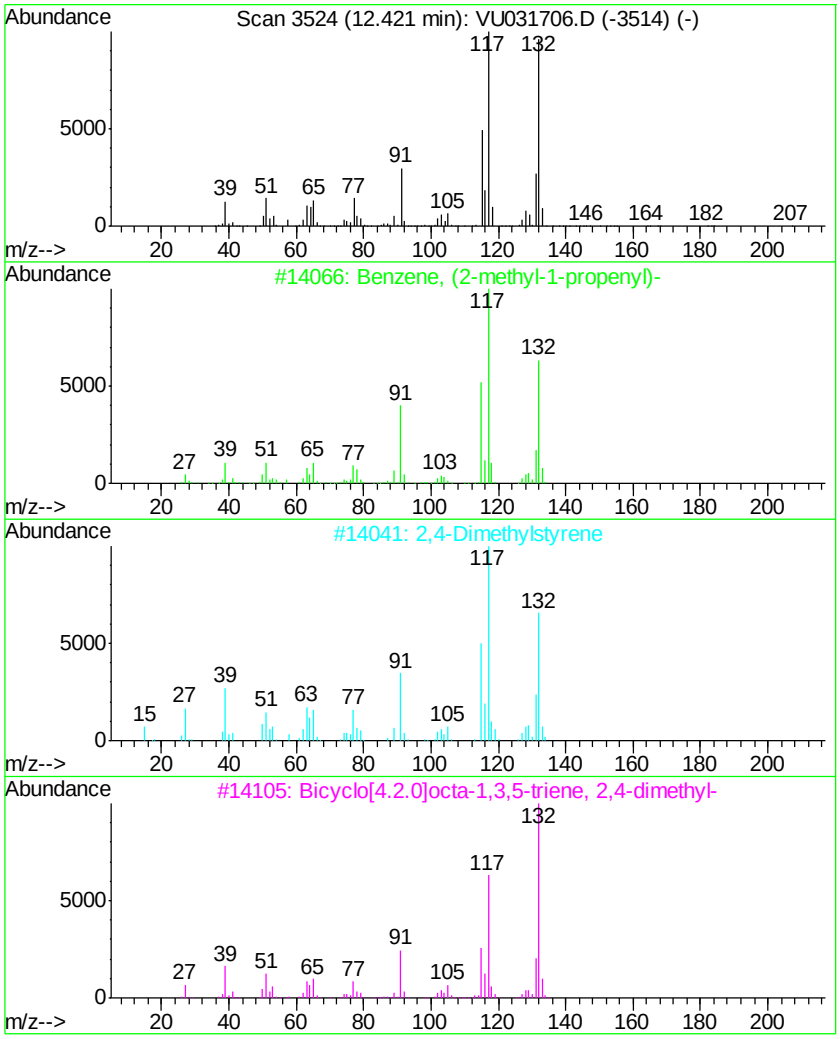
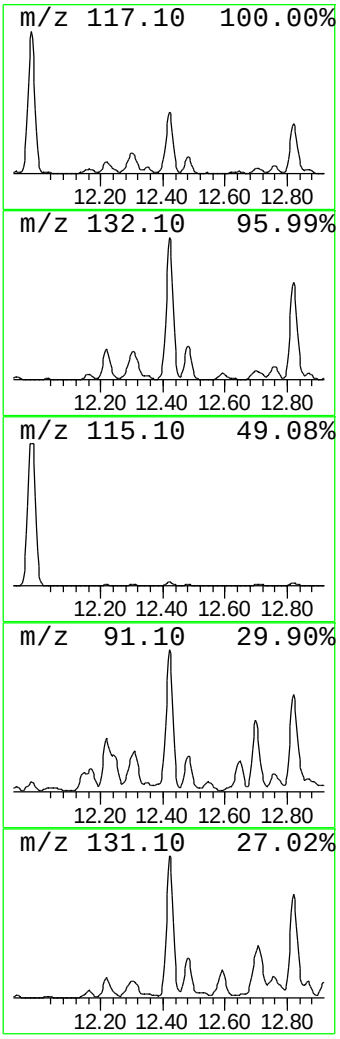
Peak Number 27 Benzene, (2-methyl-1-propen... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	57.64 ug/L	3336000	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	95
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	94
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	94
4	Benzene, (1-methylenepropyl)-	132	C10H12	002039-93-2	94
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	94





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Data File : VU031706.D
Acq On : 02 May 2019 12:48
Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91

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

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

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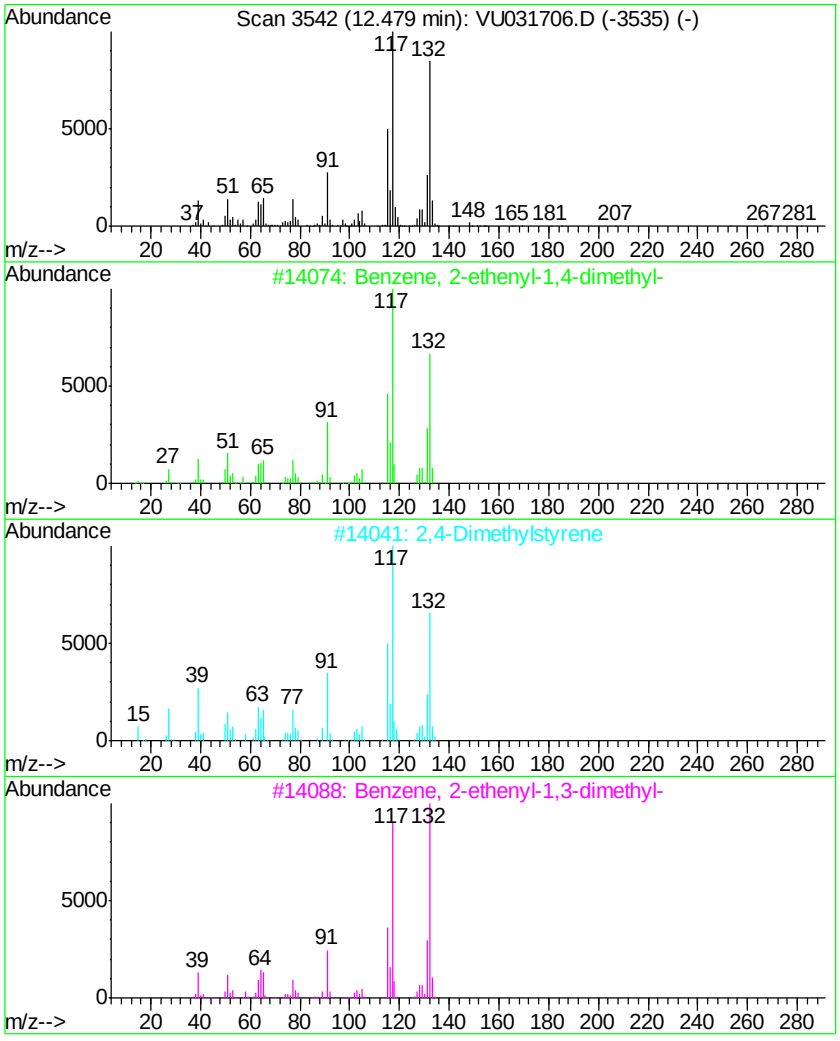
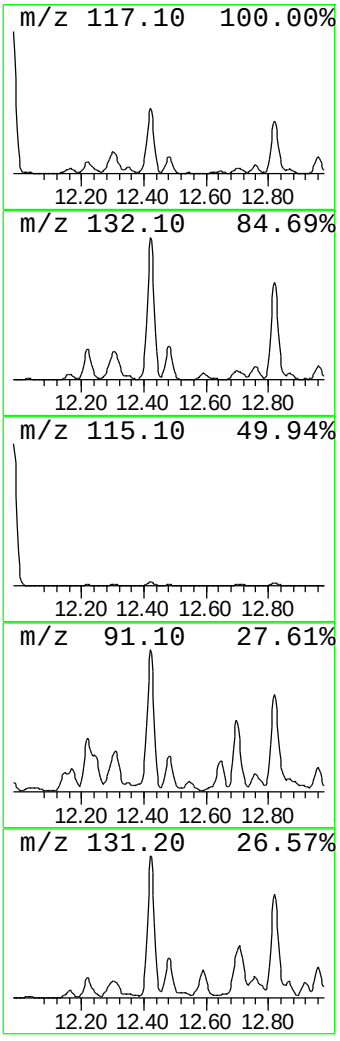
Peak Number 28 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	15.20 ug/L	879554	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	97
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	96
3	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	96
4	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	95
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031706.D
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Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91

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

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

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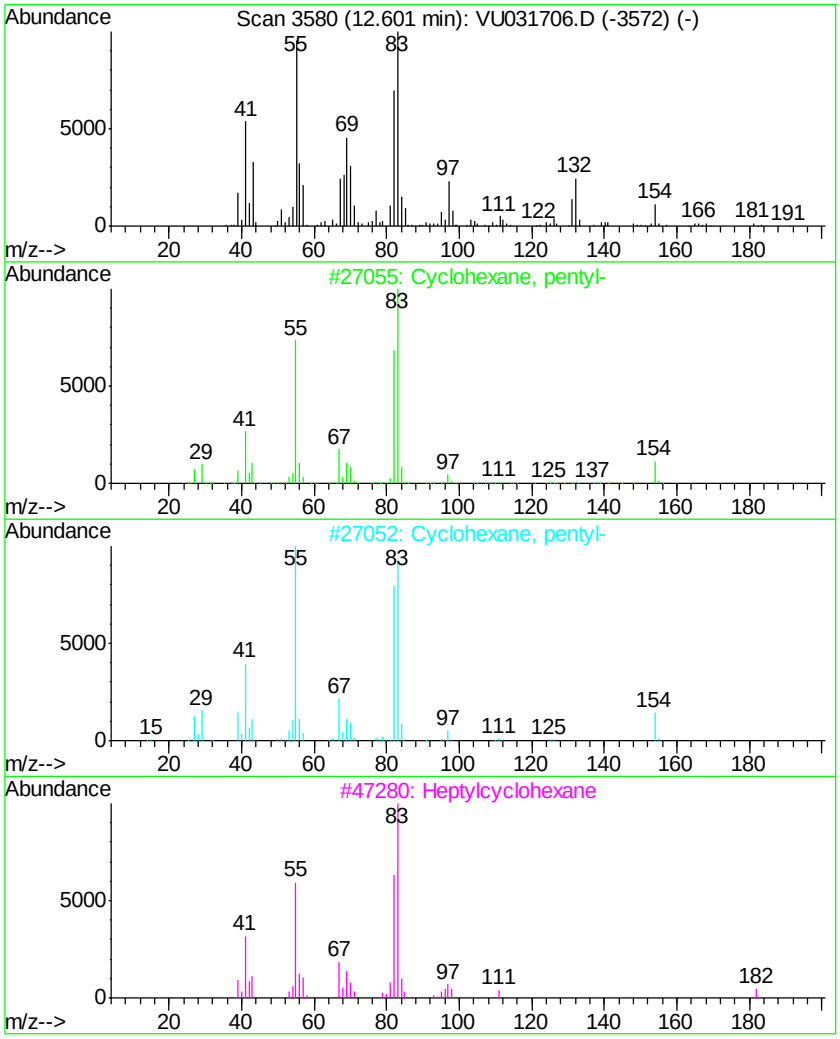
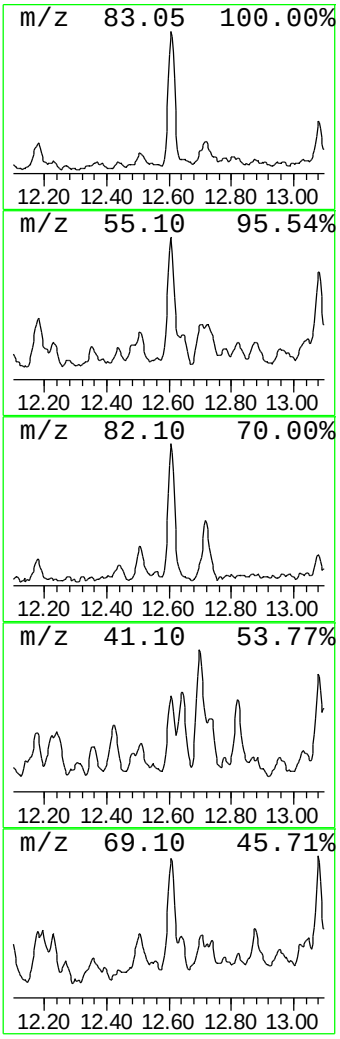
Peak Number 29 (DEL) Alkane: Cyclic Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	5.97 ug/L	345581	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	68
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	68
3	Heptylcyclohexane	182	C13H26	005617-41-4	58
4	Cyclohexane, pentyl-	154	C11H22	004292-92-6	52
5	Cyclohexanone, 3,3,5,5-tetramethyl-	154	C10H18O	014376-79-5	49





Library Search Compound Report

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Data File : VU031706.D
Acq On : 02 May 2019 12:48
Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91

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

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

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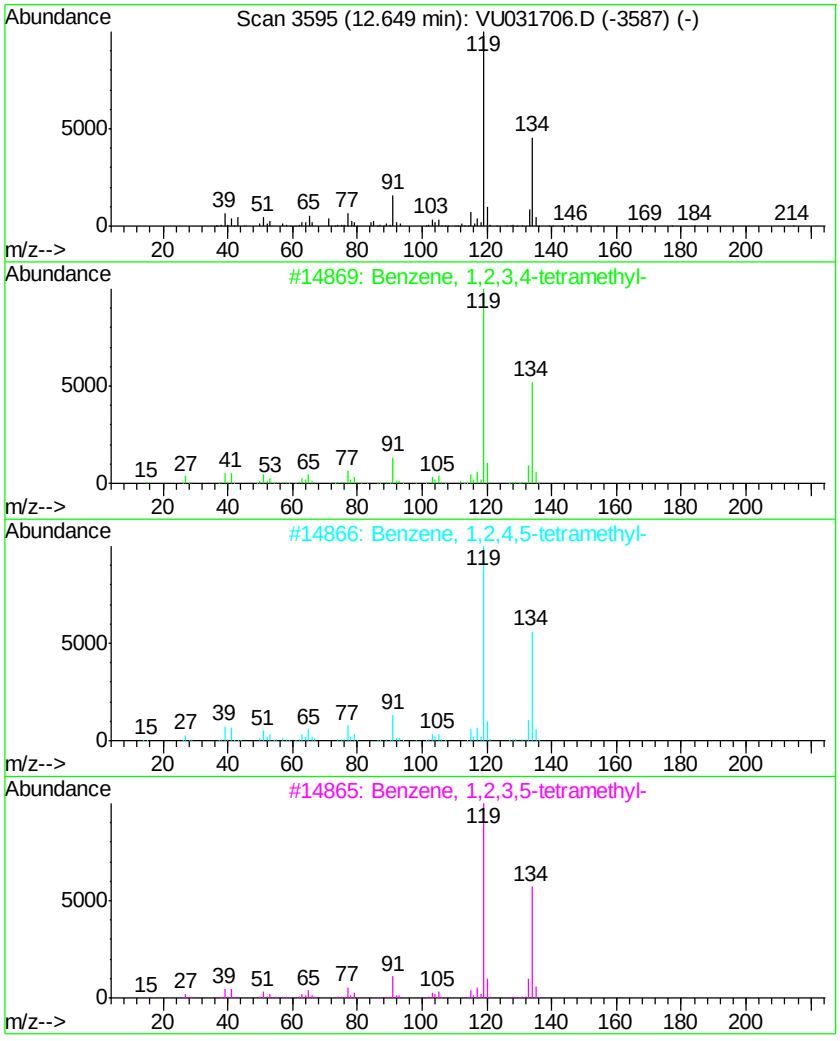
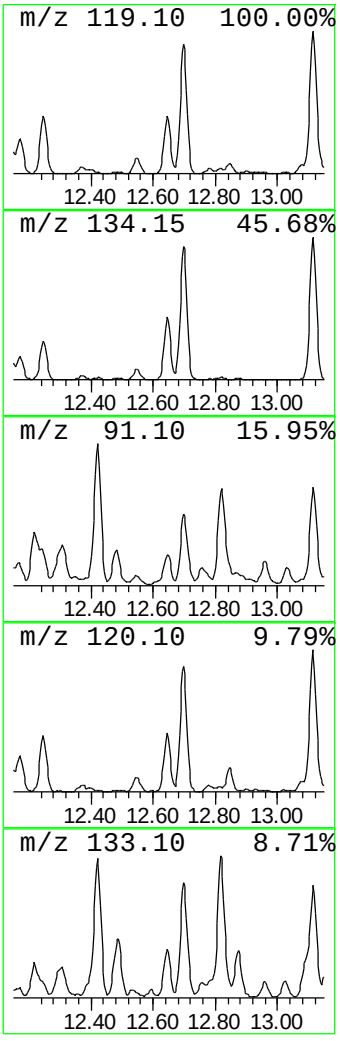
Peak Number 30 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	12.69 ug/L	734304	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5	o-Cymene	134	C10H14	000527-84-4	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031706.D
Acq On : 02 May 2019 12:48
Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91

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

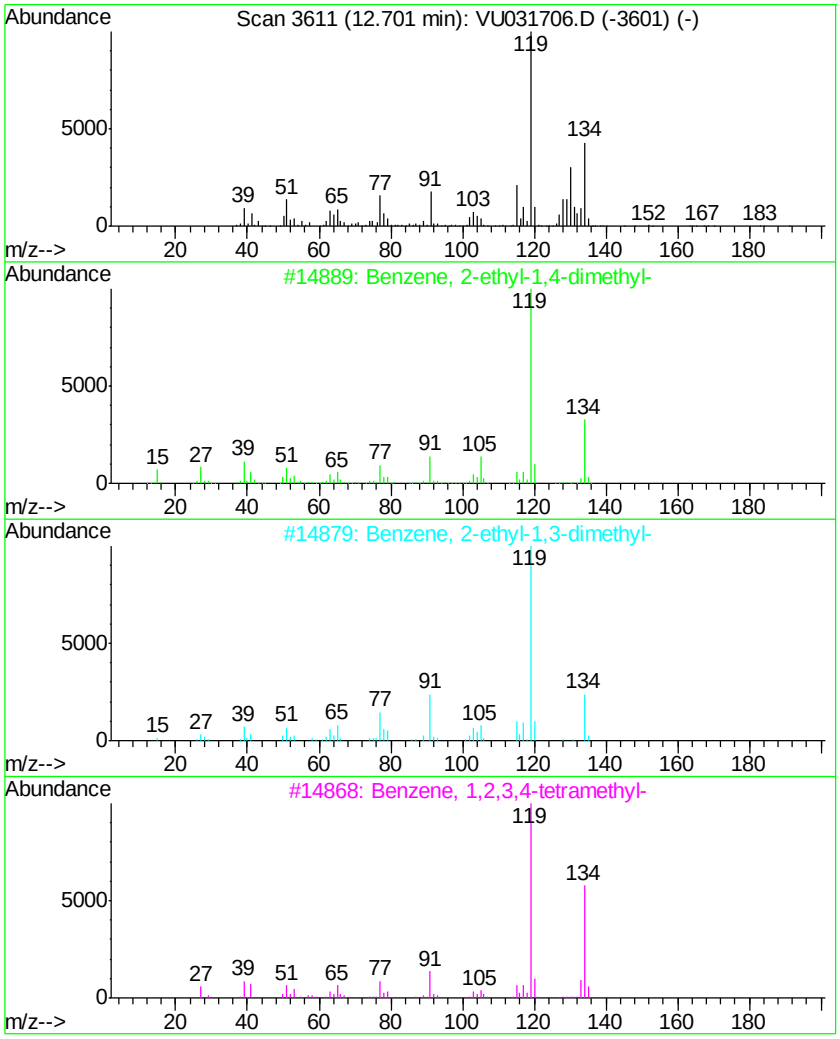
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

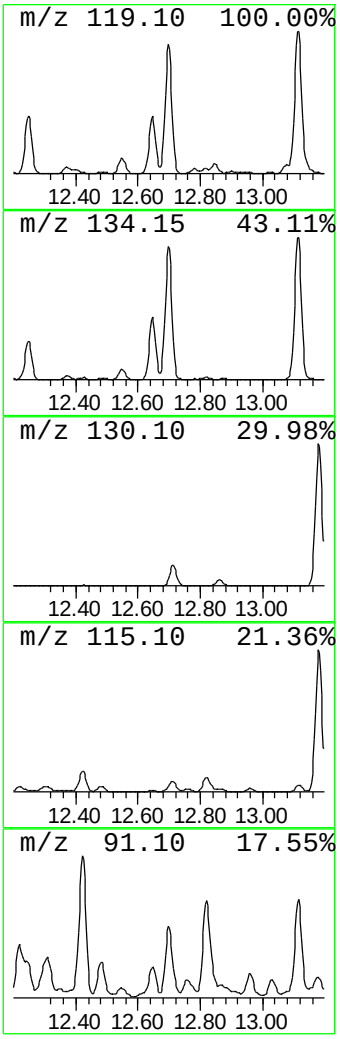
****

Peak Number 31 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	57.16 ug/L	3308430	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	55
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	55
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	53
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	49
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	49





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031706.D
Acq On : 02 May 2019 12:48
Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91

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

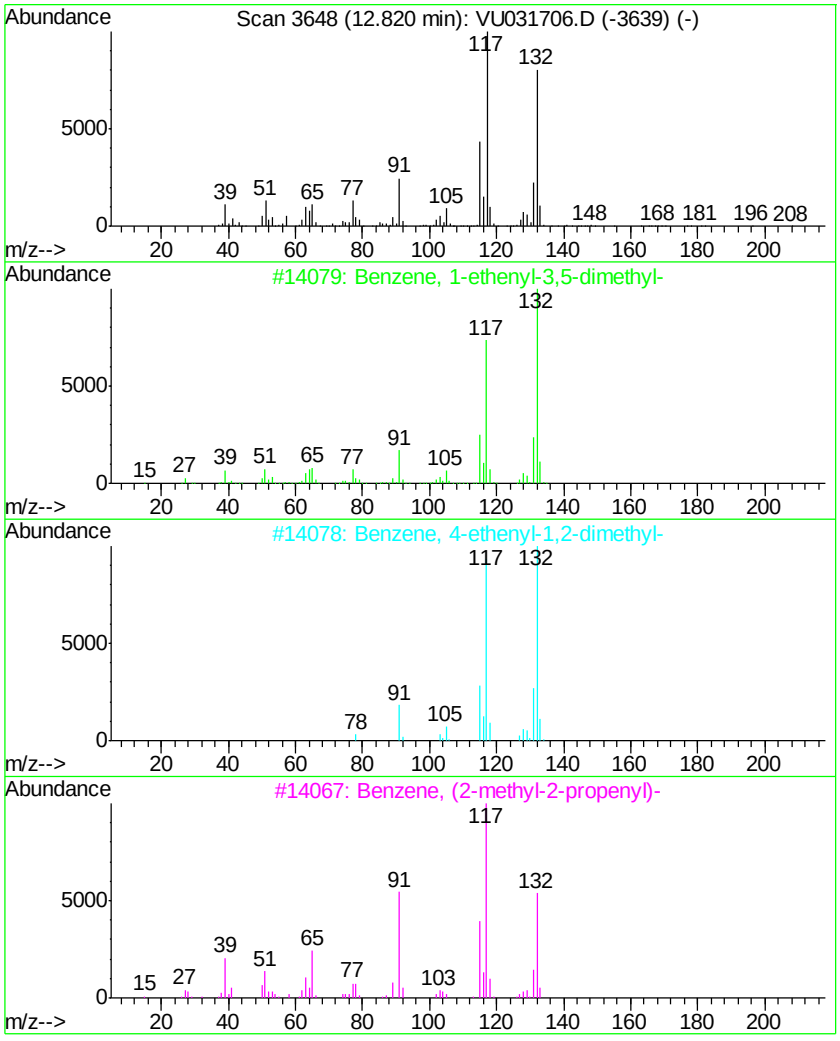
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

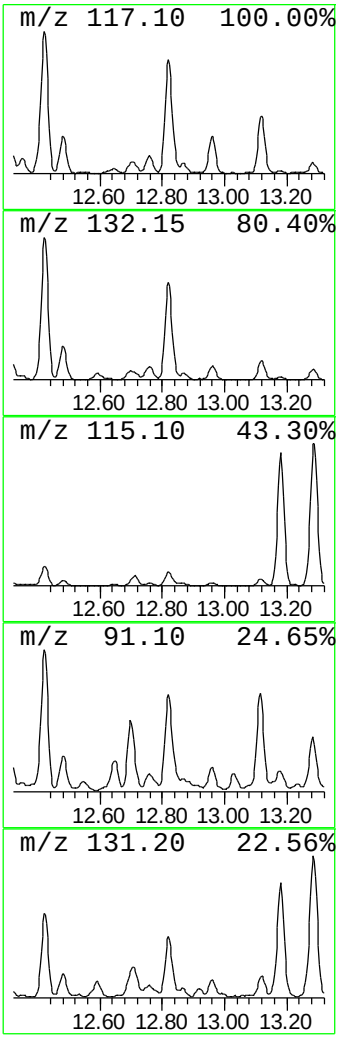
****

Peak Number 32 Benzene, 1-ethenyl-3,5-dime... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.82	45.32 ug/L	2623200	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-methyl-2-propenyl)-	132	C10H12	003290-53-7	95
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	95
5	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031706.D
Acq On : 02 May 2019 12:48
Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91

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

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

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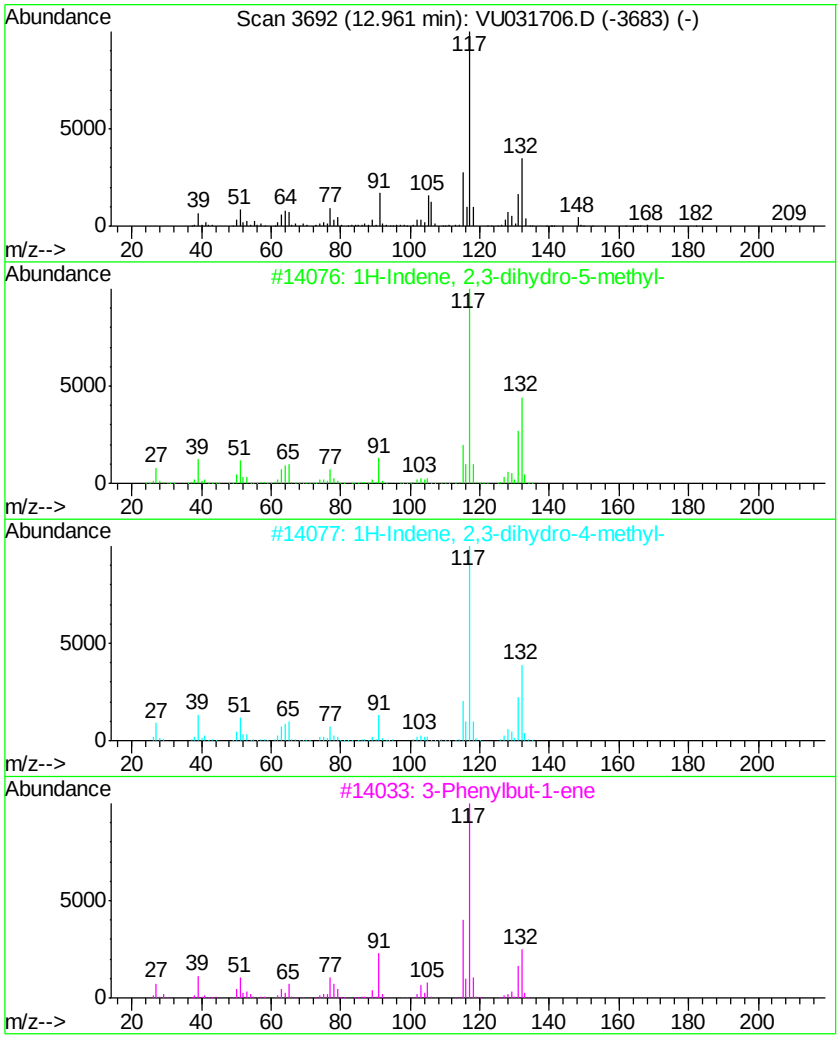
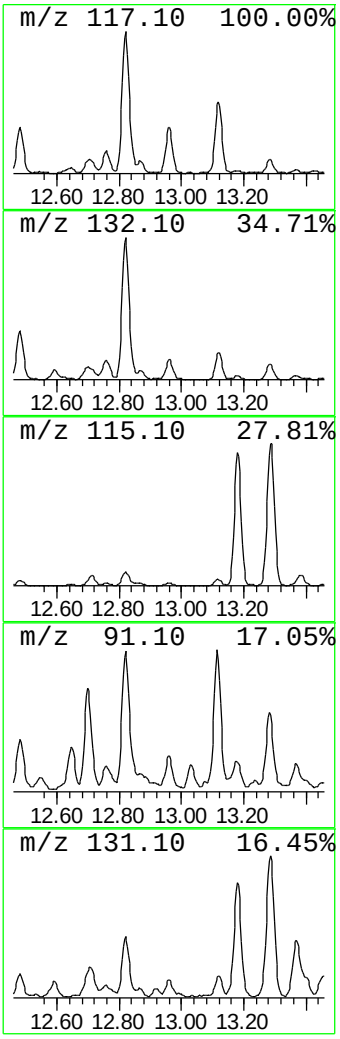
Peak Number 33 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	11.46 ug/L	663251	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	94
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	93
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	93
4	2,4-Dimethylstyrene	132	C10H12	002234-20-0	91
5	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031706.D
Acq On : 02 May 2019 12:48
Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91

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

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

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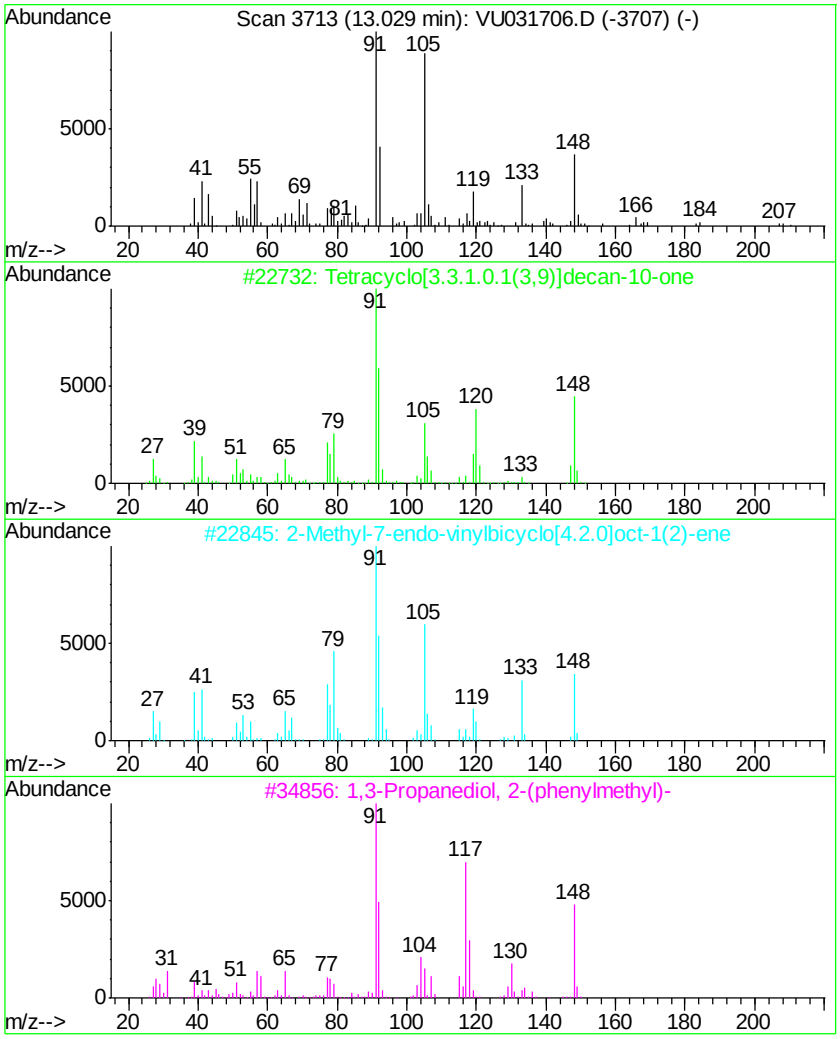
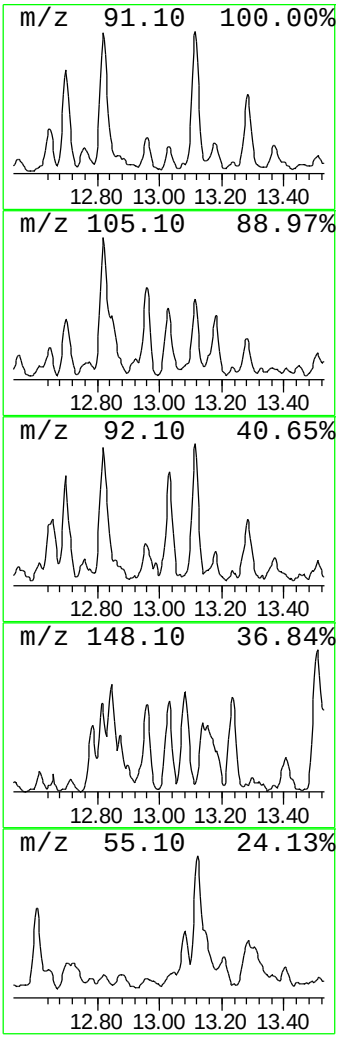
Peak Number 34 Tetracyclo[3.3.1.0.1(3,9)]d... Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	2.74 ug/L	158858	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracyclo[3.3.1.0.1(3,9)]decan-...	148	C10H12O	016492-06-1	83
2	2-Methyl-7-endo-vinylbicyclo[4.2...	148	C11H16	1000200-99-1	59
3	1,3-Propanediol, 2-(phenylmethyl)-	166	C10H14O2	002612-30-8	47
4	1,3-Cyclopentadiene, 5-(1-methyl...	148	C11H16	061039-45-0	43
5	2-Butanone, 4-phenyl-	148	C10H12O	002550-26-7	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031706.D
Acq On : 02 May 2019 12:48
Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91

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

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

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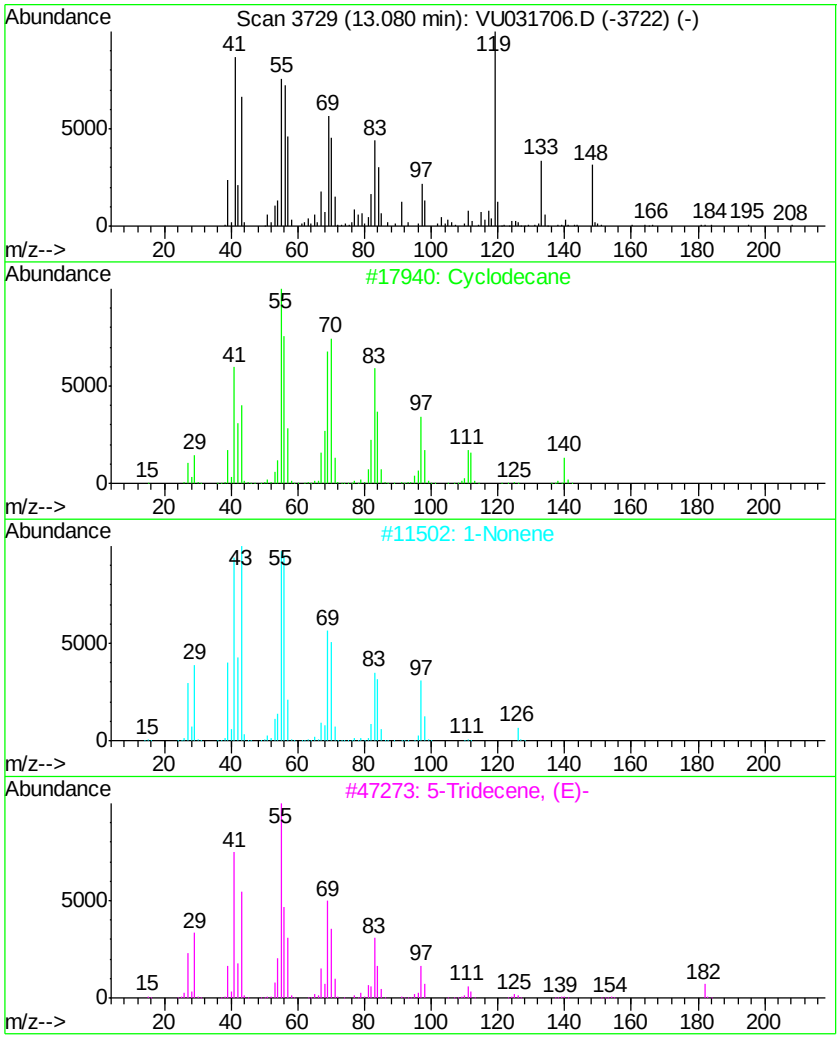
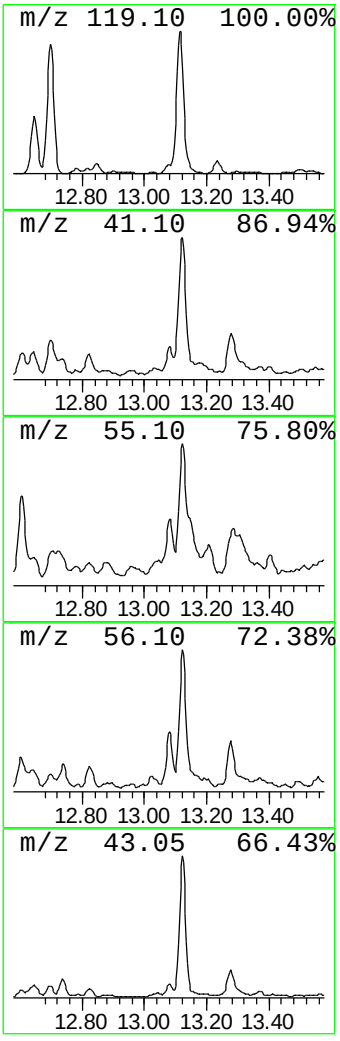
Peak Number 35 (DEL) Alkane: Cyclic13.08 Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	4.31 ug/L	249670	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclodecane	140	C10H20	000293-96-9	70
2	1-Nonene	126	C9H18	000124-11-8	64
3	5-Tridecene, (E)-	182	C13H26	023051-84-5	52
4	1-Dodecene	168	C12H24	000112-41-4	49
5	2-Dodecene, (Z)-	168	C12H24	007206-26-0	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031706.D
Acq On : 02 May 2019 12:48
Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91

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

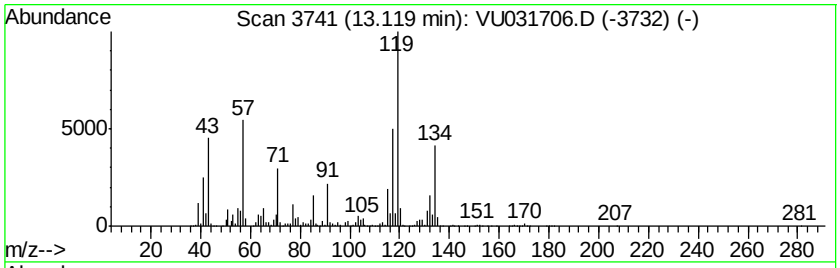
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

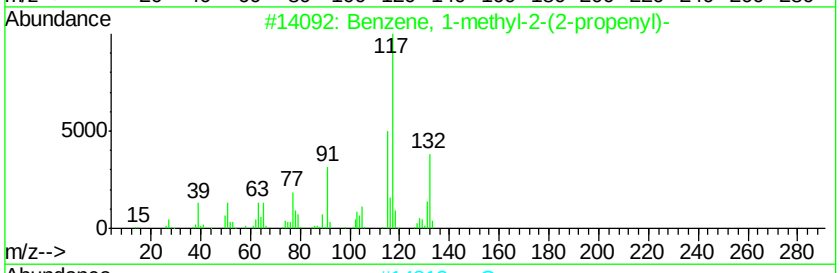
****

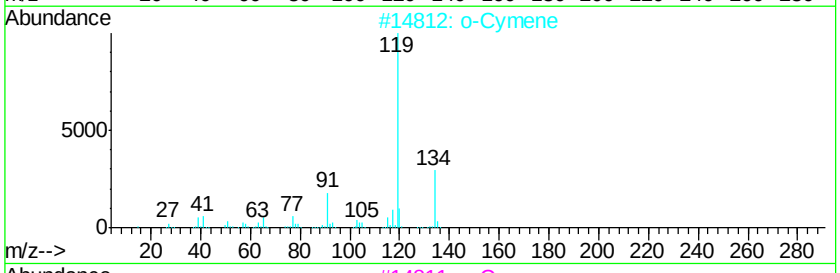
Peak Number 36 Benzene, 1-methyl-2-(2-prop... Concentration Rank 17

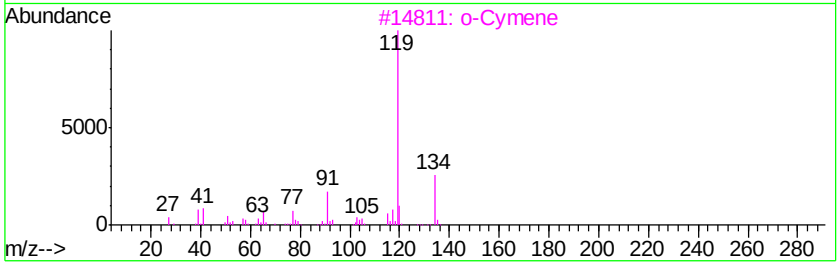
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	64.68 ug/L	3743430	1,4-Dichlorobenzene-d4	11.48

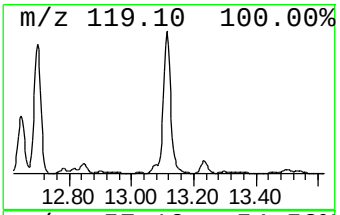
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	60
2	o-Cymene	134	C10H14	000527-84-4	60
3	o-Cymene	134	C10H14	000527-84-4	60
4	p-Cymene	134	C10H14	000099-87-6	60
5	o-Cymene	134	C10H14	000527-84-4	60

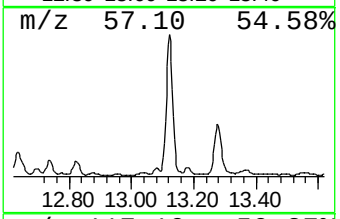


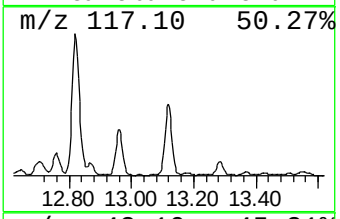


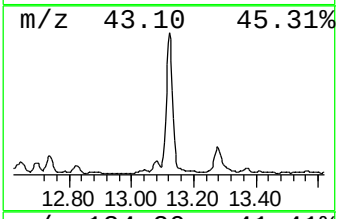


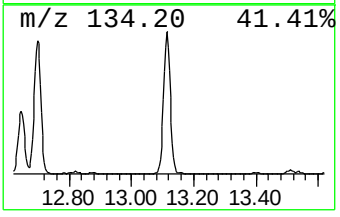












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031706.D
Acq On : 02 May 2019 12:48
Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91

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

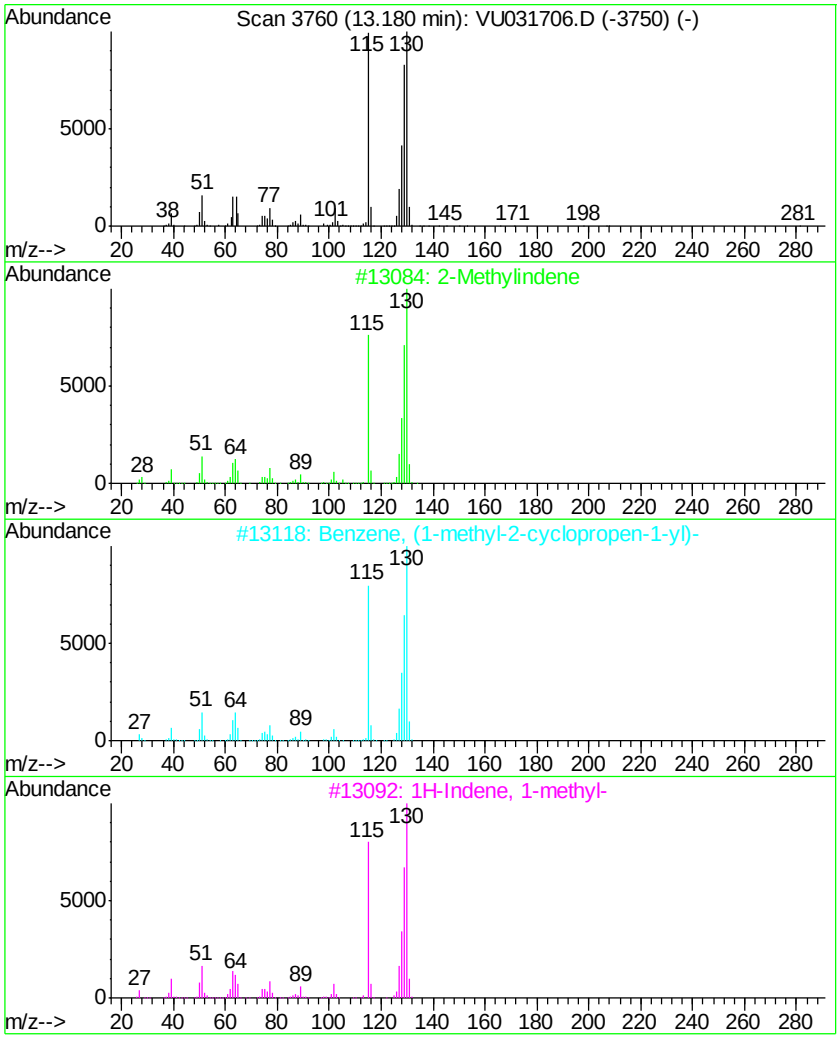
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

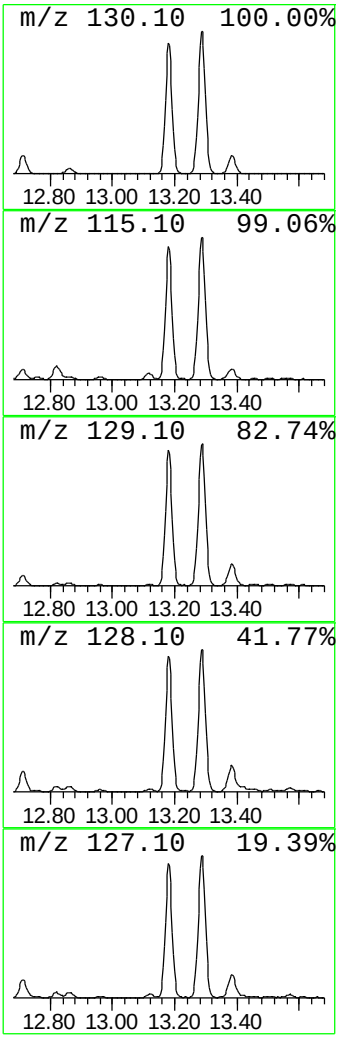
****

Peak Number 37 2-Methylindene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	193.09 ug/L	11176300	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	97
2	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	97
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
4	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	95
5	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031706.D
Acq On : 02 May 2019 12:48
Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91

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

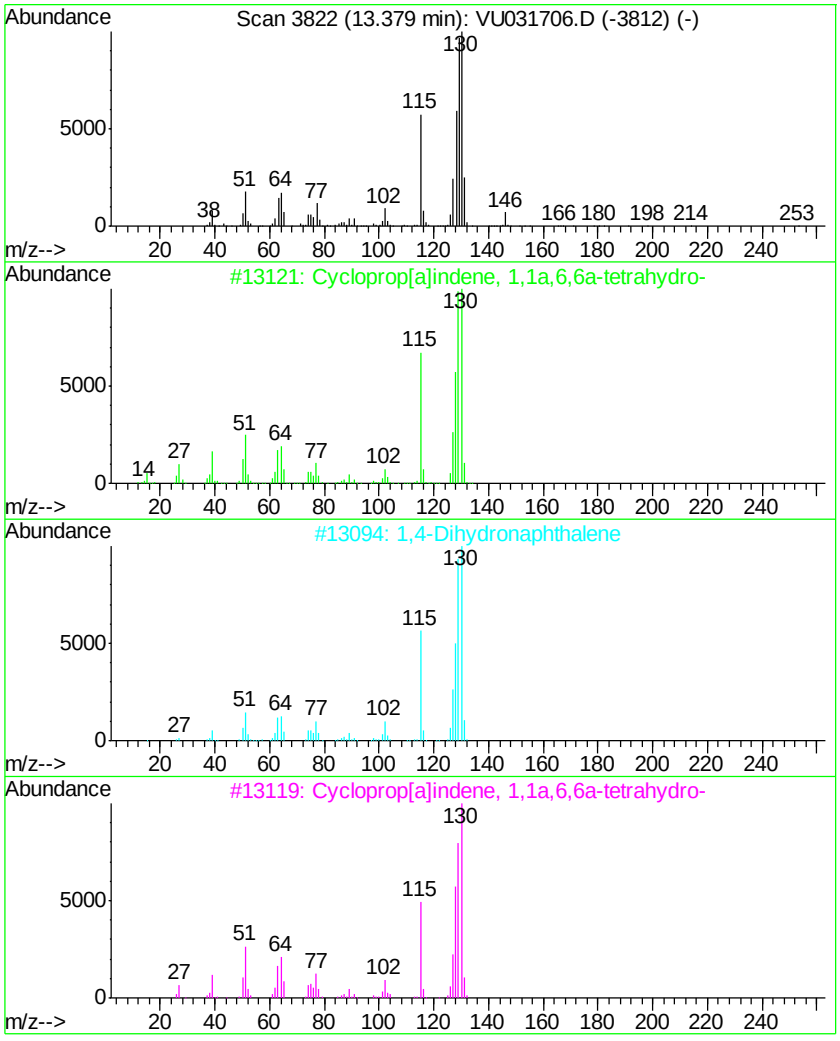
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

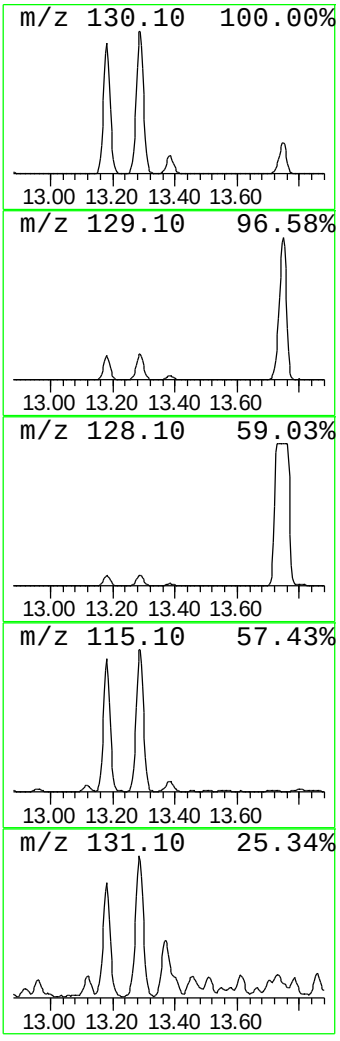
****

Peak Number 39 Cycloprop[a]indene, 1,1a,6,... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	34.59 ug/L	2001890	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	96
2	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95
3	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	95
4	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	95
5	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	92





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031706.D
Acq On : 02 May 2019 12:48
Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91

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

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

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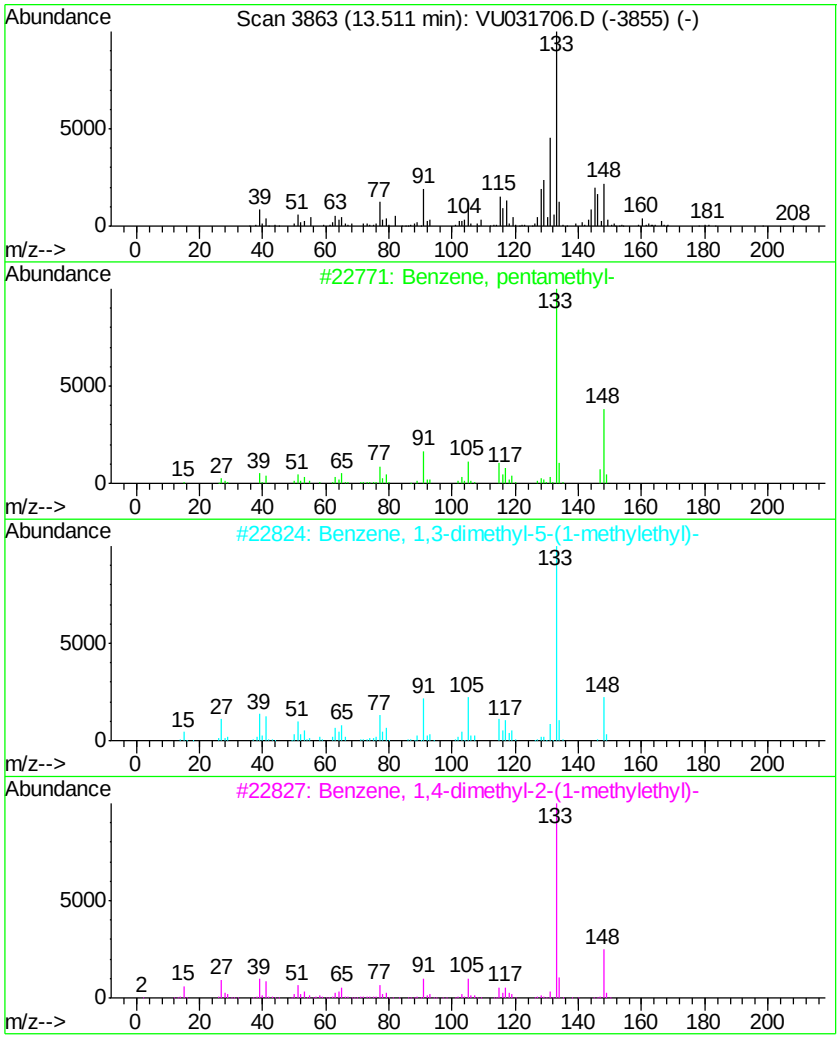
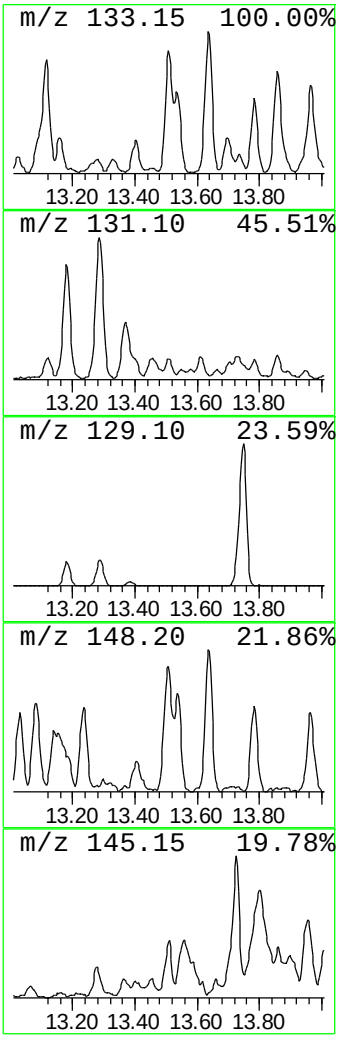
Peak Number 40 Benzene, pentamethyl- Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	4.02 ug/L	232775	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentamethyl-	148	C11H16	000700-12-9	53
2	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	47
3	Benzene, 1,4-dimethyl-2-(1-methy...	148	C11H16	004132-72-3	46
4	4-tert-Butyltoluene	148	C11H16	000098-51-1	46
5	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031706.D
Acq On : 02 May 2019 12:48
Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91

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

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

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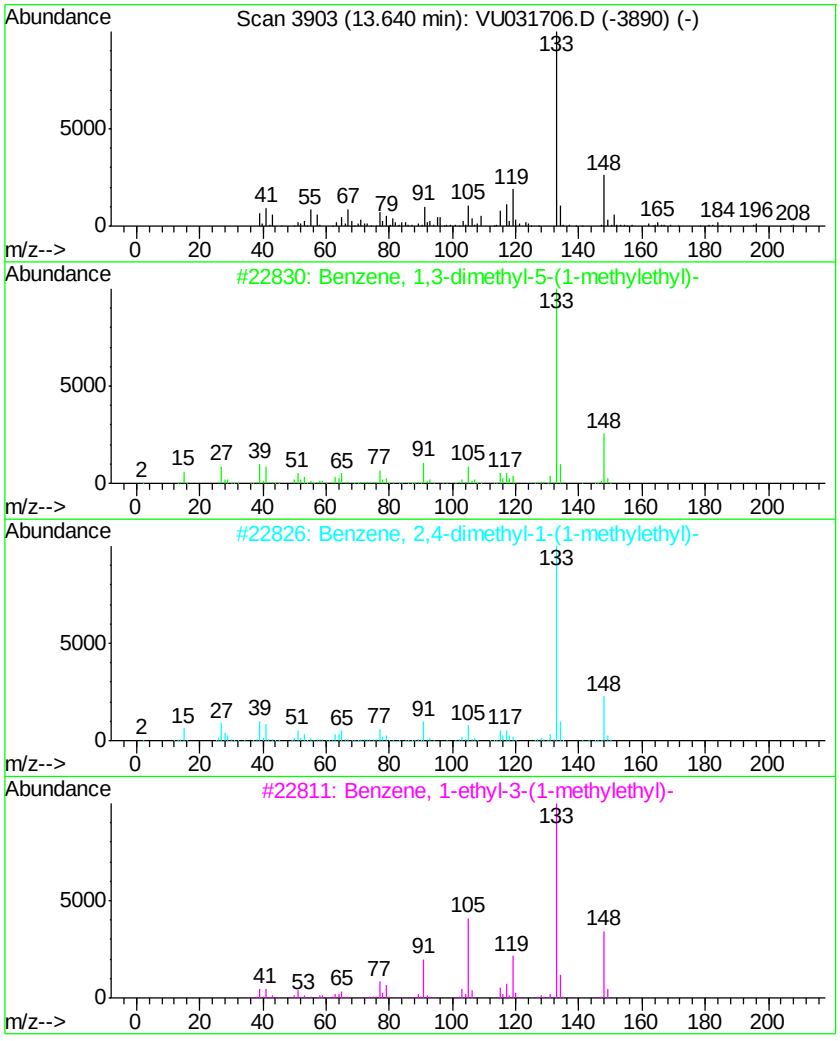
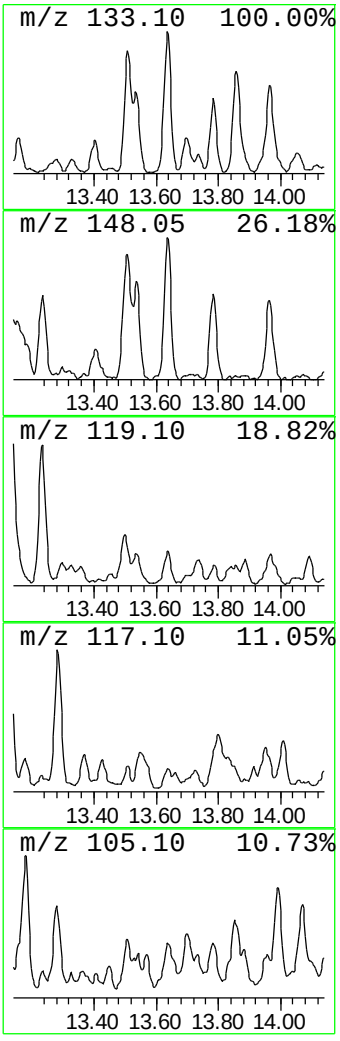
Peak Number 41 Benzene, 1,3-dimethyl-5-(1-... Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.64	4.73 ug/L	273913	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	87
2	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	87
3	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	87
4	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	86
5	Benzene, pentamethyl-	148	C11H16	000700-12-9	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031706.D
Acq On : 02 May 2019 12:48
Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91

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

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

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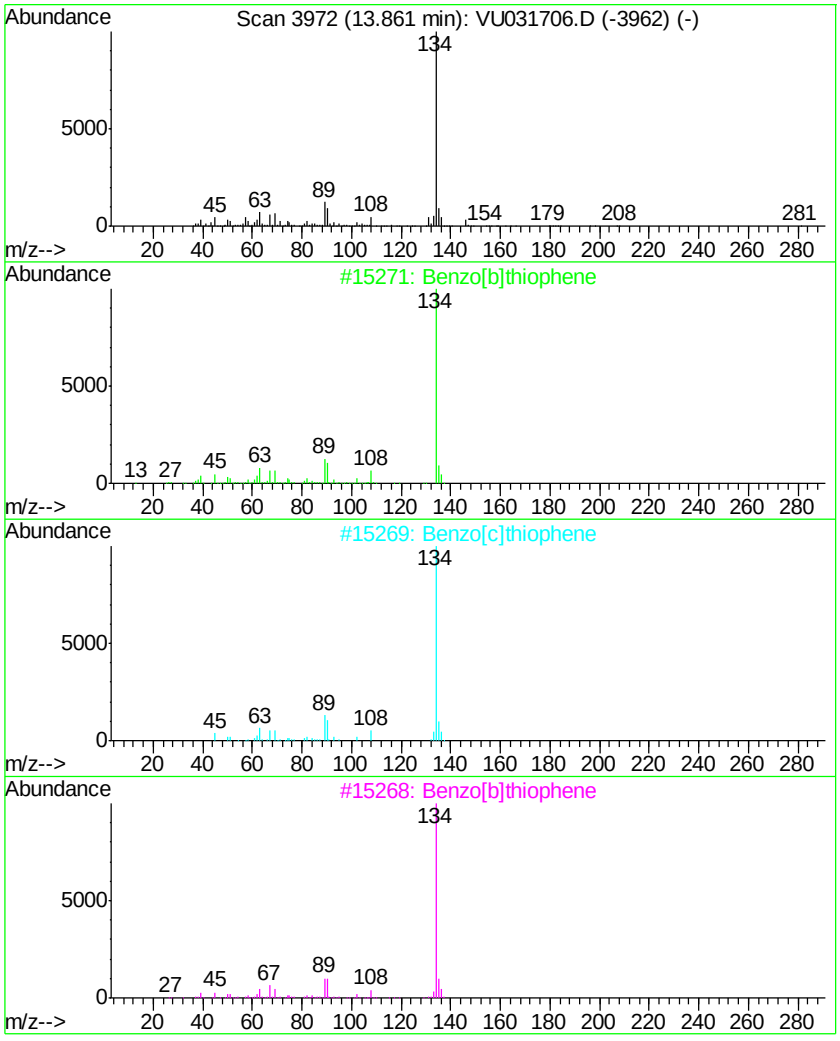
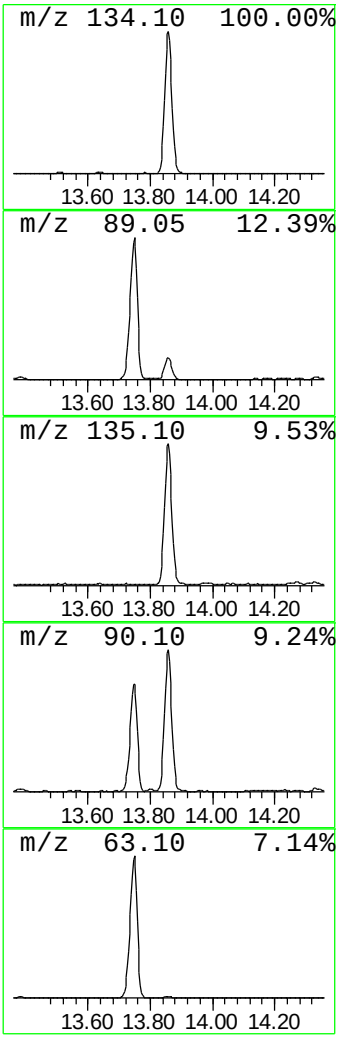
Peak Number 43 Benzo[b]thiophene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	46.11 ug/L	2669130	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene	134	C8H6S	000095-15-8	95
2	Benzo[c]thiophene	134	C8H6S	000270-82-6	95
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	95
4	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	93
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050219\
Data File : VU031706.D
Acq On : 02 May 2019 12:48
Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91

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

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

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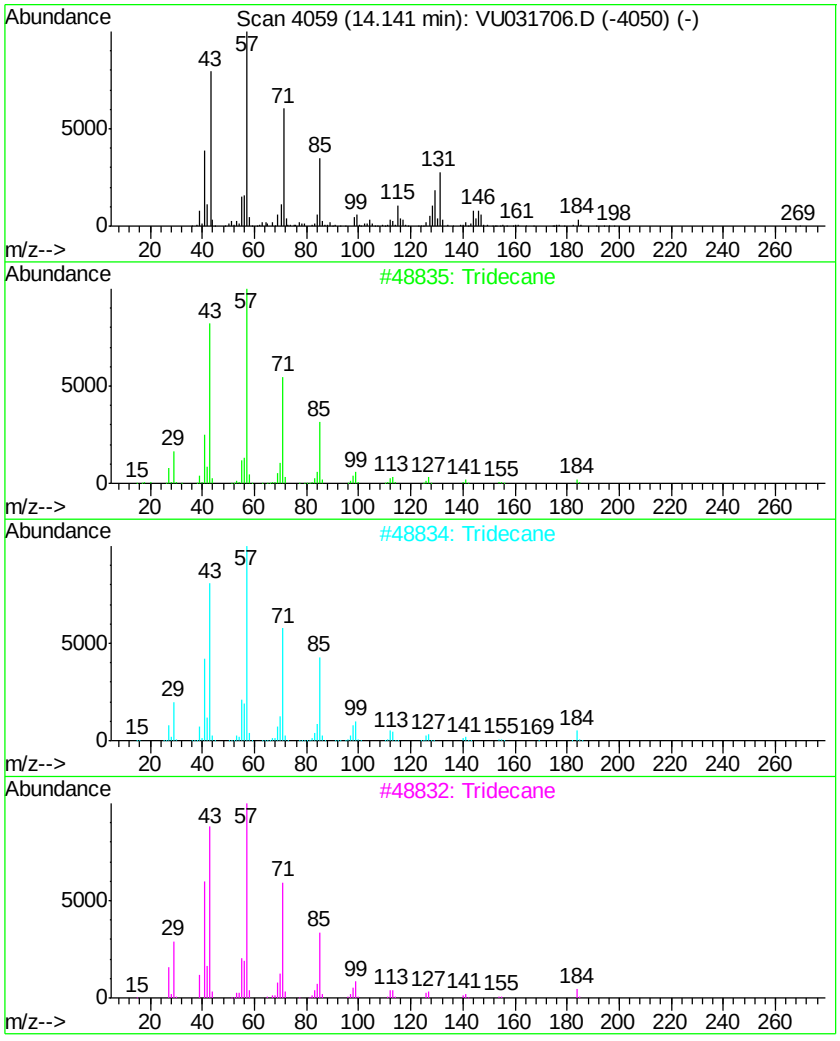
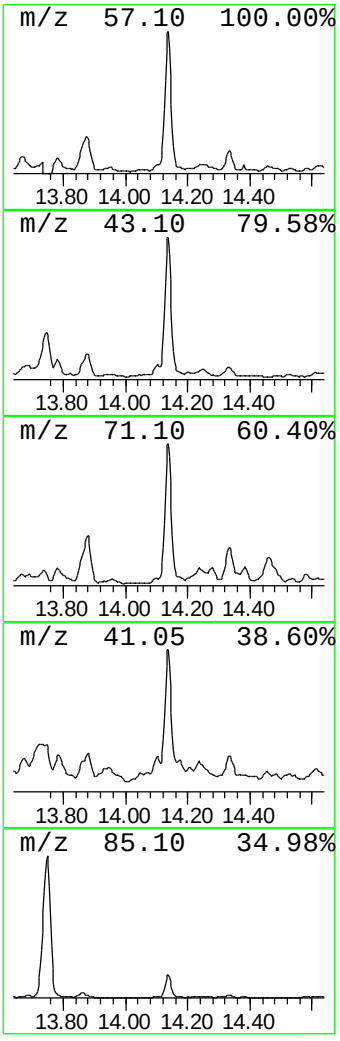
Peak Number 44 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	18.75 ug/L	1085280	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	92
2	Tridecane	184	C13H28	000629-50-5	80
3	Tridecane	184	C13H28	000629-50-5	55
4	Tridecane	184	C13H28	000629-50-5	50
5	Tetradecane	198	C14H30	000629-59-4	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031706.D
Acq On : 02 May 2019 12:48
Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91

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

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

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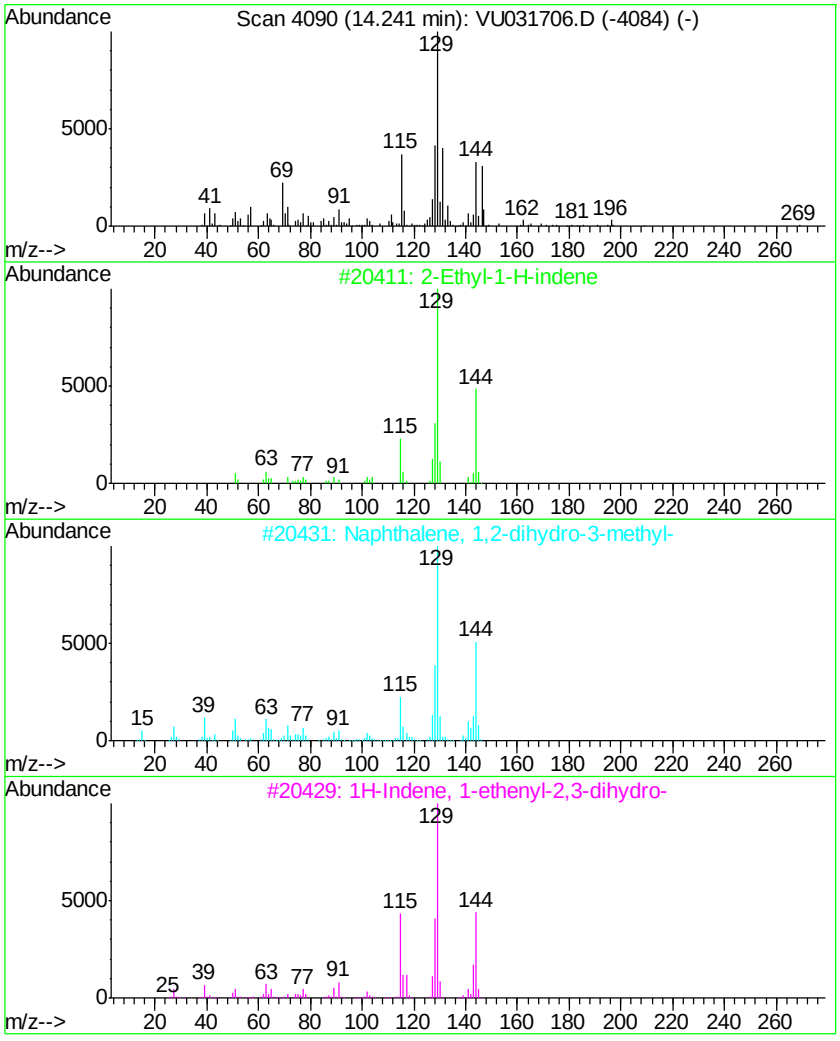
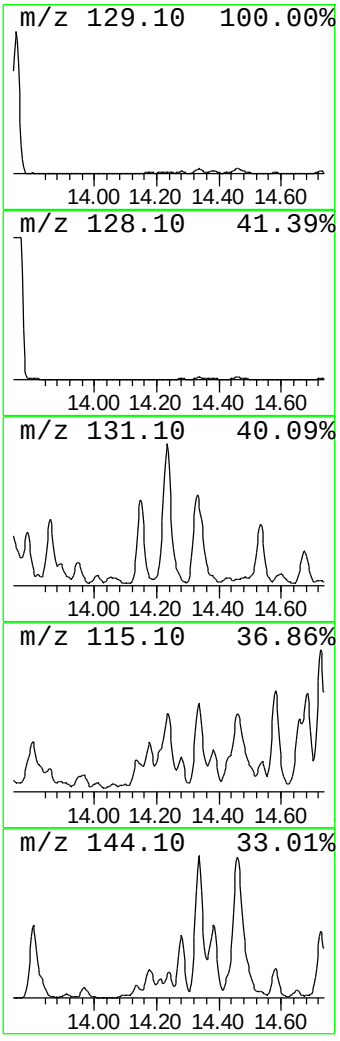
Peak Number 45 2-Ethyl-1-H-indene Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.24	8.12 ug/L	470087	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Ethyl-1-H-indene	144	C11H12	017059-50-6	86
2	Naphthalene, 1,2-dihydro-3-methyl-	144	C11H12	002717-44-4	78
3	1H-Indene, 1-ethenyl-2,3-dihydro-	144	C11H12	051783-46-1	64
4	Naphthalene, 1,2-dihydro-6-methyl-	144	C11H12	002717-47-7	60
5	1H-Cyclopropa[b]naphthalene, 1a,...	144	C11H12	006571-72-8	60





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031706.D
Acq On : 02 May 2019 12:48
Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91

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

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

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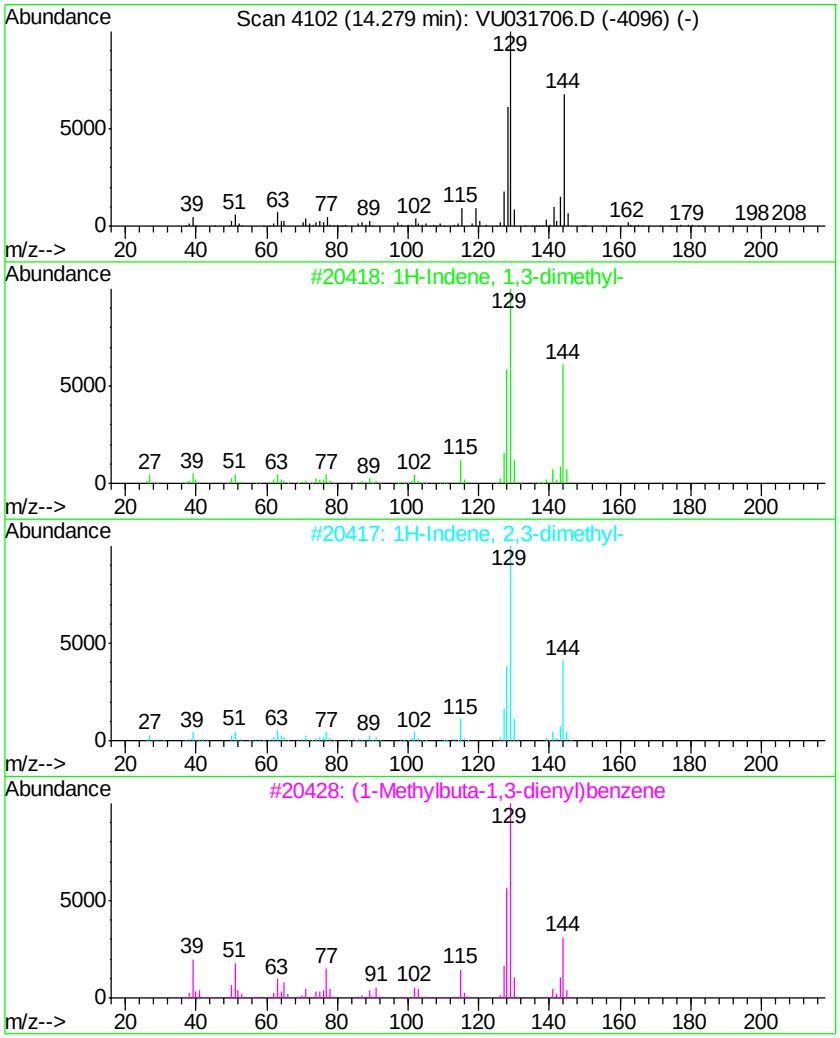
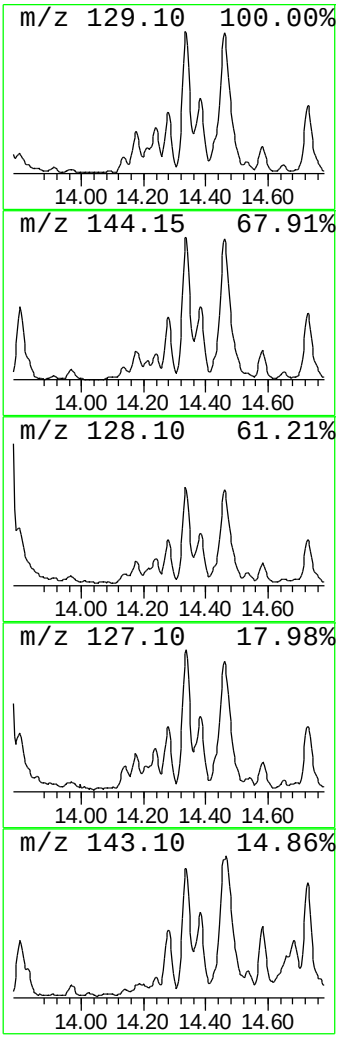
Peak Number 46 1H-Indene, 1,3-dimethyl- Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	10.10 ug/L	584516	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	87
2	1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	87
3	(1-Methylbuta-1,3-dienyl)benzene	144	C11H12	054758-36-0	80
4	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	78
5	2-Ethyl-1-H-indene	144	C11H12	017059-50-6	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031706.D
Acq On : 02 May 2019 12:48
Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91

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

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

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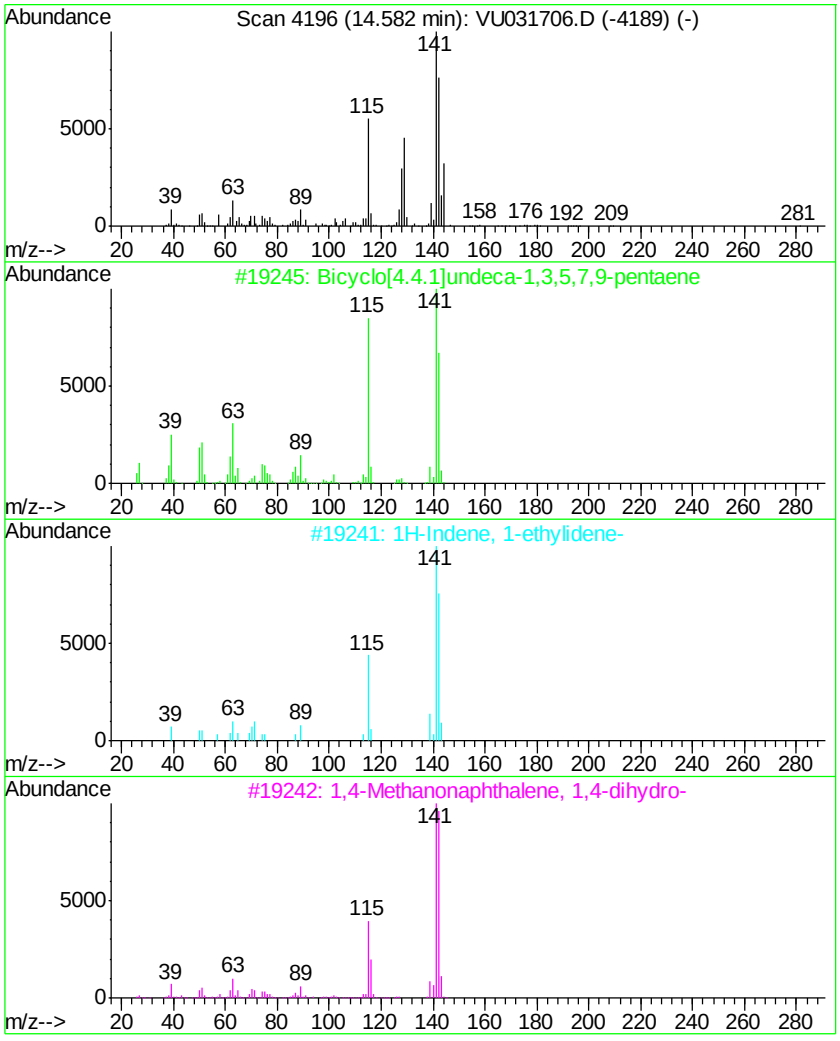
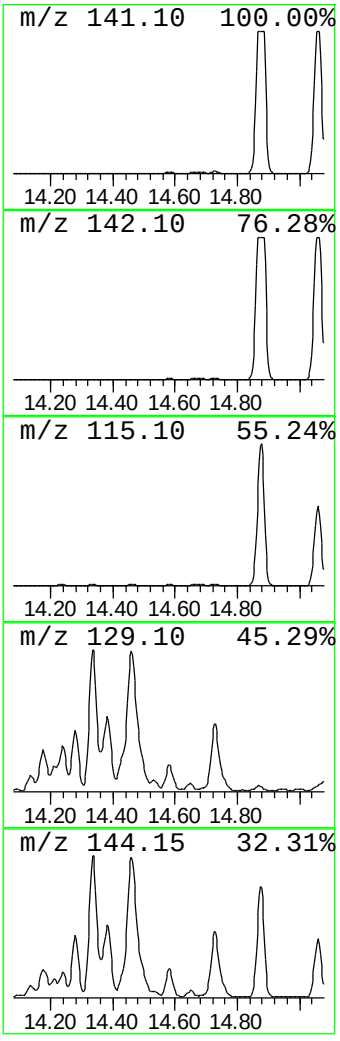
Peak Number 49 Bicyclo[4.4.1]undeca-1,3,5,... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.58	12.95 ug/L	749575	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	86
2	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	86
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	70
4	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	70
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031706.D
Acq On : 02 May 2019 12:48
Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	5.07	7.1	ug/L	368636	1	5.88	2593030	50.0
(DEL) Alkane: Str...	5.22	3.5	ug/L	182257	1	5.88	2593030	50.0
(DEL) Alkane: Str...	5.53	12.5	ug/L	649545	1	5.88	2593030	50.0
(DEL) Alkane: Str...	6.92	5.8	ug/L	302573	1	5.88	2593030	50.0
(DEL) Alkane: Str...	7.04	3.2	ug/L	164787	1	5.88	2593030	50.0
(DEL) Alkane: Str...	9.44	7.1	ug/L	429158	2	9.09	3032980	50.0
(DEL) Alkane: Str...	9.95	2.5	ug/L	154649	2	9.09	3032980	50.0
Benzene, 2-propenyl-	10.50	8.1	ug/L	468475	3	11.48	2894020	50.0
Benzene, propyl-	10.59	7.3	ug/L	421822	3	11.48	2894020	50.0
Benzene, 1-ethyl-...	10.68	53.6	ug/L	3102800	3	11.48	2894020	50.0
Benzene, 1,2,3-tr...	10.77	54.8	ug/L	3170430	3	11.48	2894020	50.0
(DEL) Alkane: Str...	10.81	10.1	ug/L	585285	3	11.48	2894020	50.0
.alpha.-Methylsty...	10.99	36.5	ug/L	2111560	3	11.48	2894020	50.0
Benzene, 1-etheny...	11.21	205.6	ug/L	11897200	3	11.48	2894020	50.0
Benzene, cyclopro...	11.26	74.5	ug/L	4311950	3	11.48	2894020	50.0
(DEL) Alkane: Str...	11.33	2.7	ug/L	157824	3	11.48	2894020	50.0
Benzofuran	11.40	5.2	ug/L	302495	3	11.48	2894020	50.0
Benzene, 1-propenyl-	11.62	36.5	ug/L	2114750	3	11.48	2894020	50.0
Indane	11.76	36.5	ug/L	2110960	3	11.48	2894020	50.0
Indene	11.98	885.1	ug/L	51230300	3	11.48	2894020	50.0
Benzene, 4-ethyl-...	12.14	6.3	ug/L	364970	3	11.48	2894020	50.0
Benzene, 1-methyl...	12.22	13.4	ug/L	778664	3	11.48	2894020	50.0
Benzene, 1-etheny...	12.30	14.8	ug/L	855453	3	11.48	2894020	50.0
Benzene, (2-methy...	12.42	57.6	ug/L	3336000	3	11.48	2894020	50.0
Benzene, 2-etheny...	12.48	15.2	ug/L	879554	3	11.48	2894020	50.0
(DEL) Alkane: Cyclic	12.60	6.0	ug/L	345581	3	11.48	2894020	50.0
Benzene, 1,2,3,4-...	12.65	12.7	ug/L	734304	3	11.48	2894020	50.0
Benzene, 2-ethyl-...	12.70	57.2	ug/L	3308430	3	11.48	2894020	50.0
Benzene, 1-etheny...	12.82	45.3	ug/L	2623200	3	11.48	2894020	50.0
1H-Indene, 2,3-di...	12.96	11.5	ug/L	663251	3	11.48	2894020	50.0
Tetracyclo[3.3.1....	13.03	2.7	ug/L	158858	3	11.48	2894020	50.0
(DEL) Alkane: Cyc...	13.08	4.3	ug/L	249670	3	11.48	2894020	50.0
Benzene, 1-methyl...	13.12	64.7	ug/L	3743430	3	11.48	2894020	50.0
2-Methylindene	13.18	193.1	ug/L	11176300	3	11.48	2894020	50.0
Cycloprop[a]inden...	13.38	34.6	ug/L	2001890	3	11.48	2894020	50.0
Benzene, pentamet...	13.51	4.0	ug/L	232775	3	11.48	2894020	50.0
Benzene, 1,3-dime...	13.64	4.7	ug/L	273913	3	11.48	2894020	50.0
Benzo[b]thiophene	13.86	46.1	ug/L	2669130	3	11.48	2894020	50.0
(DEL) Alkane: Str...	14.14	18.8	ug/L	1085280	3	11.48	2894020	50.0
2-Ethyl-1-H-indene	14.24	8.1	ug/L	470087	3	11.48	2894020	50.0
1H-Indene, 1,3-di...	14.28	10.1	ug/L	584516	3	11.48	2894020	50.0
Bicyclo[4.4.1]und...	14.58	12.9	ug/L	749575	3	11.48	2894020	50.0