LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041719\
Data File : VU031258.D
Acq On : 17 Apr 2019 14:33
Operator : JC/SP
Sample : K2402-10 10X
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHJ0

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

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

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.180	24	28	37	rVB	15026	13796	0.01%	0.002%
2	1.396	88	95	111	rVB	268678	299296	0.14%	0.042%
3	1.678	176	183	193	rBV	232278	287252	0.14%	0.040%
4	1.752	201	206	215	rVB2	54231	68607	0.03%	0.010%
5	1.939	258	264	275	rVB	73890	101487	0.05%	0.014%
6	2.267	356	366	383	rVB	480254	738104	0.36%	0.103%
7	2.540	442	451	454	rBV6	3668	5320	0.00%	0.001%
8	2.630	473	479	481	rBV4	2272	2692	0.00%	0.000%
9	2.704	491	502	504	rBV2	30926	46858	0.02%	0.007%
10	2.740	506	513	526	rVB	100493	185250	0.09%	0.026%
11	2.990	578	591	605	rVV2	63521	129891	0.06%	0.018%
12	3.190	642	653	655	rBV5	5549	8734	0.00%	0.001%
13	3.299	668	687	704	rBV2	94334	203777	0.10%	0.028%
14	3.418	715	724	729	rBV4	2269	3282	0.00%	0.000%
15	3.492	739	747	760	rBV5	4224	8284	0.00%	0.001%
16	3.649	784	796	804	rBV8	3636	7973	0.00%	0.001%
17	3.842	846	856	858	rBV5	1728	2420	0.00%	0.000%
18	3.990	886	902	914	rBV5	7345	18629	0.01%	0.003%
19	4.087	915	932	948	rBV4	32175	88619	0.04%	0.012%
20	4.193	951	965	1005	rBV2	139520	470390	0.23%	0.066%
21	4.640	1088	1104	1125	rBV2	302228	713313	0.34%	0.099%
22	4.987	1198	1212	1229	rBV5	21246	49505	0.02%	0.007%
23	5.067	1229	1237	1239	rBV7	4191	5866	0.00%	0.001%
24	5.215	1270	1283	1296	rBV6	9601	24952	0.01%	0.003%
25	5.334	1298	1320	1354	rVV2	660042	1948371	0.94%	0.271%
26	5.604	1399	1404	1406	rBV3	4333	4210	0.00%	0.001%
27	5.784	1449	1460	1468	rVV6	3682	6613	0.00%	0.001%
28	5.881	1474	1490	1511	rBV	688870	1393765	0.67%	0.194%
29	6.325	1613	1628	1647	rBV	418538	862191	0.42%	0.120%
30	6.514	1682	1687	1693	rVB6	2316	2818	0.00%	0.000%
31	6.842	1778	1789	1792	rBV9	2535	4420	0.00%	0.001%
32	6.903	1800	1808	1817	rBV8	4859	8280	0.00%	0.001%
33	7.080	1859	1863	1871	rBV6	2309	3958	0.00%	0.001%
34	7.225	1896	1908	1929	rBV	239744	447161	0.22%	0.062%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041719\
Data File : VU031258.D
Acq On : 17 Apr 2019 14:33
Operator : JC/SP
Sample : K2402-10 10X
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHJ0

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

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

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

35	7.424	1965	1970	1980	rVB7	7778	13005	0.01%	0.002%
36	7.562	1994	2013	2029	rBV	826207	1540026	0.74%	0.214%
37	7.723	2056	2063	2083	rVB5	34043	68348	0.03%	0.010%
38	7.849	2093	2102	2116	rVB	155332	259916	0.13%	0.036%
39	8.032	2151	2159	2164	rBV8	7664	11759	0.01%	0.002%
40	8.231	2214	2221	2224	rBV6	1805	2078	0.00%	0.000%
41	8.312	2228	2246	2267	rBV	610553	1151598	0.56%	0.160%
42	8.742	2374	2380	2393	rVB7	13555	24898	0.01%	0.003%
43	8.839	2400	2410	2415	rBV8	5740	11468	0.01%	0.002%
44	9.000	2454	2460	2464	rBV6	7090	9273	0.00%	0.001%
45	9.087	2475	2487	2506	rBV	970243	1699025	0.82%	0.237%
46	9.247	2528	2537	2561	rBV	78126	182722	0.09%	0.025%
47	9.369	2561	2575	2594	rBV	7186573	12163829	5.87%	1.694%
48	9.778	2689	2702	2736	rVB3	3078978	5692449	2.74%	0.793%
49	10.041	2777	2784	2794	rBV8	19788	34588	0.02%	0.005%
50	10.164	2812	2822	2844	rBV	255568	451568	0.22%	0.063%
51	10.427	2894	2904	2917	rBV	573914	927157	0.45%	0.129%
52	10.585	2943	2953	2969	rBV	366824	586993	0.28%	0.082%
53	10.678	2969	2982	2999	rBV	5007519	11112775	5.36%	1.547%
54	10.768	3000	3010	3020	rVV	2651489	4105772	1.98%	0.572%
55	10.967	3061	3072	3075	rBV	1141653	1613218	0.78%	0.225%
56	11.144	3110	3127	3138	rBV	8540780	13719267	6.62%	1.910%
57	11.212	3138	3148	3157	rVV	9204871	13933281	6.72%	1.940%
58	11.260	3157	3163	3177	rVB	3053153	4568006	2.20%	0.636%
59	11.479	3222	3231	3242	rBV	1179234	1827220	0.88%	0.254%
60	11.566	3249	3258	3268	rBV	2385107	3583830	1.73%	0.499%
61	11.623	3268	3276	3291	rVB	1403321	2146019	1.03%	0.299%
62	11.765	3309	3320	3328	rBV3	857051	1777591	0.86%	0.248%
63	11.865	3340	3351	3365	rVB4	1541516	3234703	1.56%	0.450%
64	11.977	3375	3386	3397	rBV	19243922	29718232	14.33%	4.138%
65	12.144	3429	3438	3441	rBV	546976	770383	0.37%	0.107%
66	12.218	3453	3461	3465	rBV	1029288	1465514	0.71%	0.204%
67	12.302	3478	3487	3498	rVB	1241359	2234581	1.08%	0.311%
68	12.424	3514	3525	3535	rVB	4452229	6819274	3.29%	0.950%
69	12.482	3535	3543	3556	rVB2	1296837	1933141	0.93%	0.269%
70	12.546	3558	3563	3572	rVB	176857	236571	0.11%	0.033%
71	12.646	3586	3594	3602	rVB	940006	1326692	0.64%	0.185%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041719\
Data File : VU031258.D
Acq On : 17 Apr 2019 14:33
Operator : JC/SP
Sample : K2402-10 10X
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHJ0

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

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

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

72	12.704	3602	3612	3623	rBV2	2462574	4814624	2.32%	0.670%
73	12.820	3639	3648	3658	rBV	3187210	5130722	2.47%	0.714%
74	12.961	3684	3692	3706	rVB	727271	1072064	0.52%	0.149%
75	13.119	3724	3741	3750	rBV3	2613967	4595026	2.22%	0.640%
76	13.183	3751	3761	3773	rVB	13480751	20352120	9.81%	2.834%
77	13.289	3782	3794	3810	rVB	14043463	23013992	11.10%	3.205%
78	13.382	3813	3823	3839	rVB2	1532392	2962543	1.43%	0.413%
79	13.762	3923	3941	3952	rBV3	100679535	207385363	100.00%	28.878%
80	13.861	3965	3972	3986	rVB	1637996	2604178	1.26%	0.363%
81	14.141	4051	4059	4065	rBV2	702935	1130116	0.54%	0.157%
82	14.279	4096	4102	4110	rVB	1011599	1423490	0.69%	0.198%
83	14.337	4110	4120	4128	rBV2	2517746	4348145	2.10%	0.605%
84	14.463	4150	4159	4176	rVB2	2174605	4585597	2.21%	0.639%
85	14.585	4190	4197	4210	rVB	946299	1492960	0.72%	0.208%
86	14.729	4235	4242	4259	rVB	1632312	2893929	1.40%	0.403%
87	14.819	4262	4270	4276	rVV	743280	1121943	0.54%	0.156%
88	14.890	4276	4292	4313	rVB4	82510428	161987245	78.11%	22.557%
89	15.067	4333	4347	4379	rVB2	49199886	80525687	38.83%	11.213%
90	15.604	4503	4514	4524	rBV	2853470	4427507	2.13%	0.617%
91	15.794	4565	4573	4581	rBV	2687716	3978610	1.92%	0.554%
92	15.909	4597	4609	4629	rBV	9106605	15219613	7.34%	2.119%
93	16.054	4644	4654	4661	rBV	6425570	10230271	4.93%	1.425%
94	16.093	4662	4666	4680	rVB	3074400	4248413	2.05%	0.592%
95	16.186	4686	4695	4707	rVB	1382163	2171425	1.05%	0.302%
96	16.279	4708	4724	4747	rVB	1145507	2942901	1.42%	0.410%
97	16.427	4762	4770	4785	rVB	453419	704513	0.34%	0.098%
98	16.520	4788	4799	4819	rVB	1846178	3227625	1.56%	0.449%
99	16.736	4860	4866	4871	rBV	98795	135546	0.07%	0.019%
100	17.163	4991	4999	5010	rBV3	166792	284670	0.14%	0.040%

Sum of corrected areas: 718133692

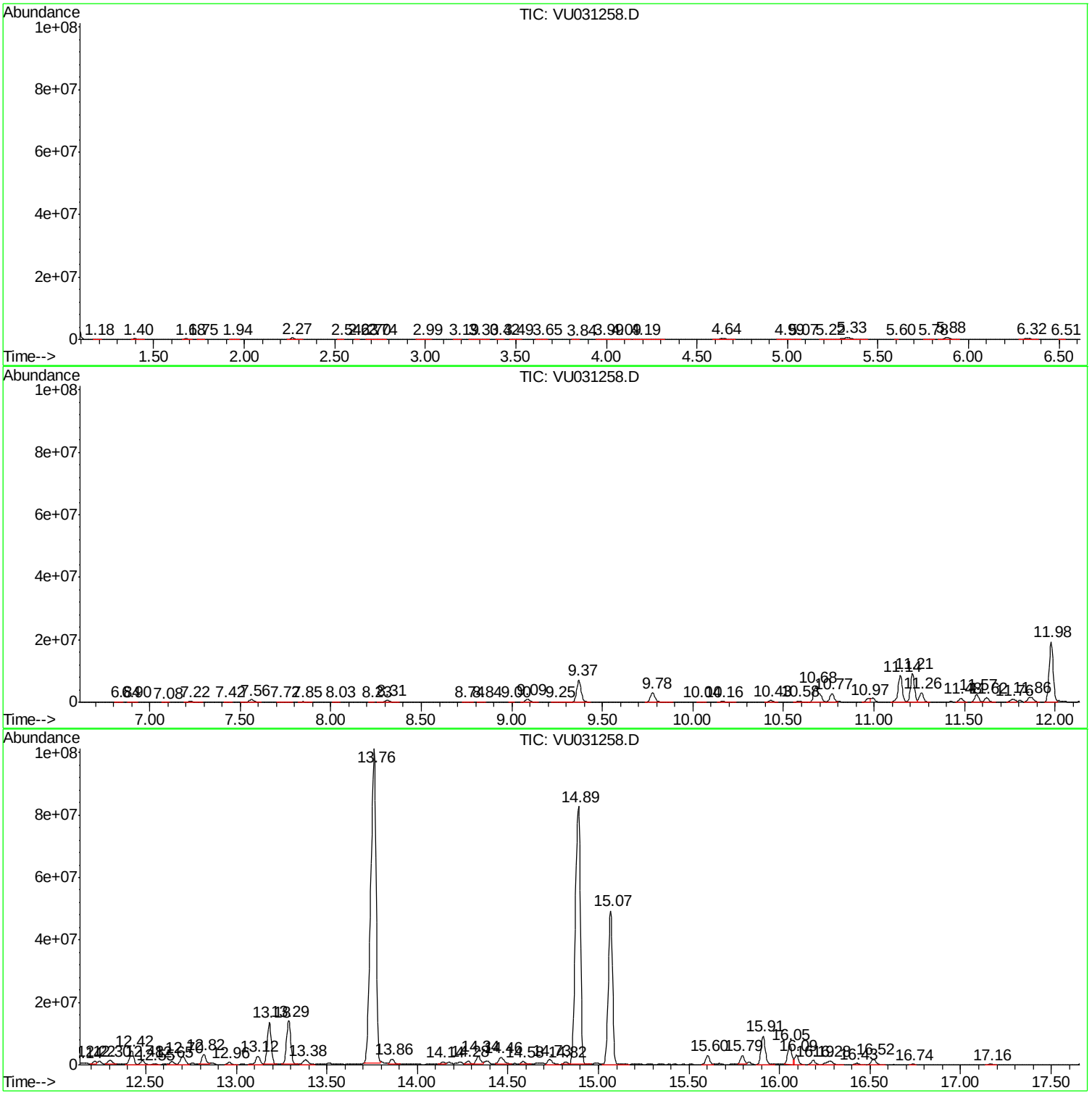
LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041719\
Data File : VU031258.D
Acq On : 17 Apr 2019 14:33
Operator : JC/SP
Sample : K2402-10 10X
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHJ0

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

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041719\
Data File : VU031258.D
Acq On : 17 Apr 2019 14:33
Operator : JC/SP
Sample : K2402-10 10X
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHJ0

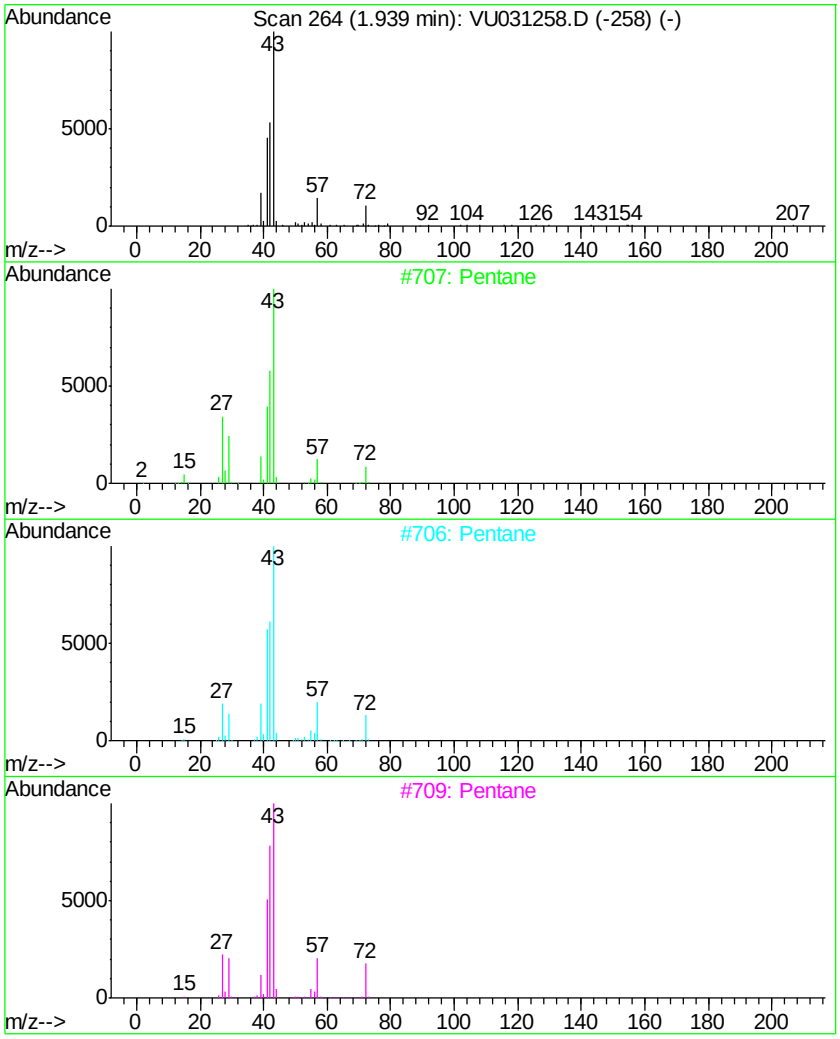
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

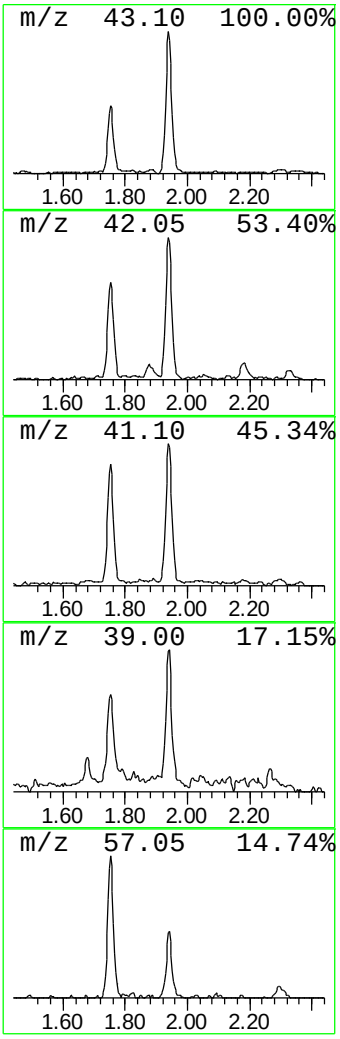
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.94	3.64 ug/L	101487	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	72
2	Pentane	72	C5H12	000109-66-0	64
3	Pentane	72	C5H12	000109-66-0	58
4	Pentane	72	C5H12	000109-66-0	53
5	Propane, 1-chloro-2-methyl-	92	C4H9Cl	000513-36-0	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041719\
Data File : VU031258.D
Acq On : 17 Apr 2019 14:33
Operator : JC/SP
Sample : K2402-10 10X
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHJ0

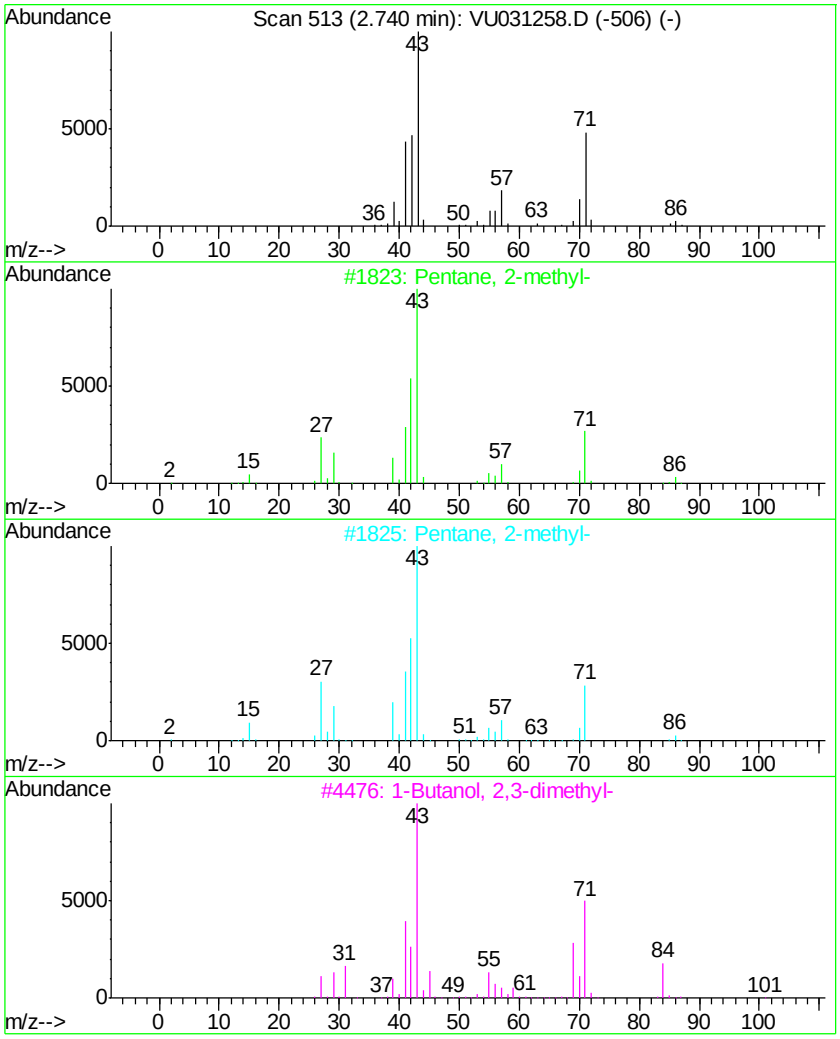
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

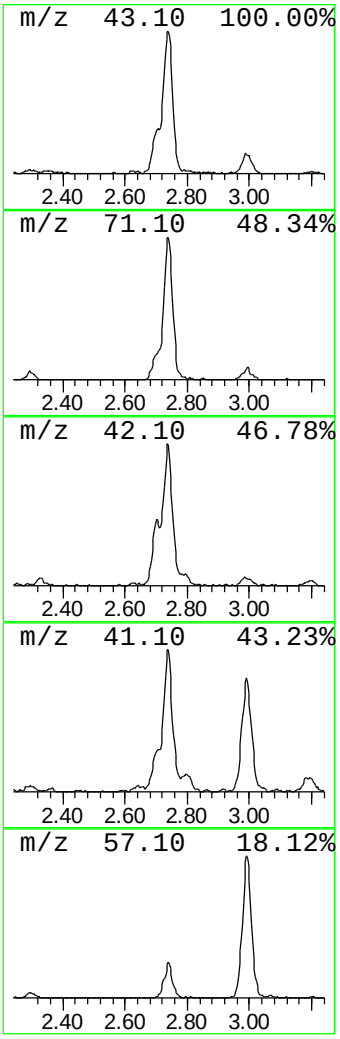
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.74	6.65 ug/L	185250	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	59
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	46
3	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	45
4	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	40
5	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041719\
Data File : VU031258.D
Acq On : 17 Apr 2019 14:33
Operator : JC/SP
Sample : K2402-10 10X
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHJ0

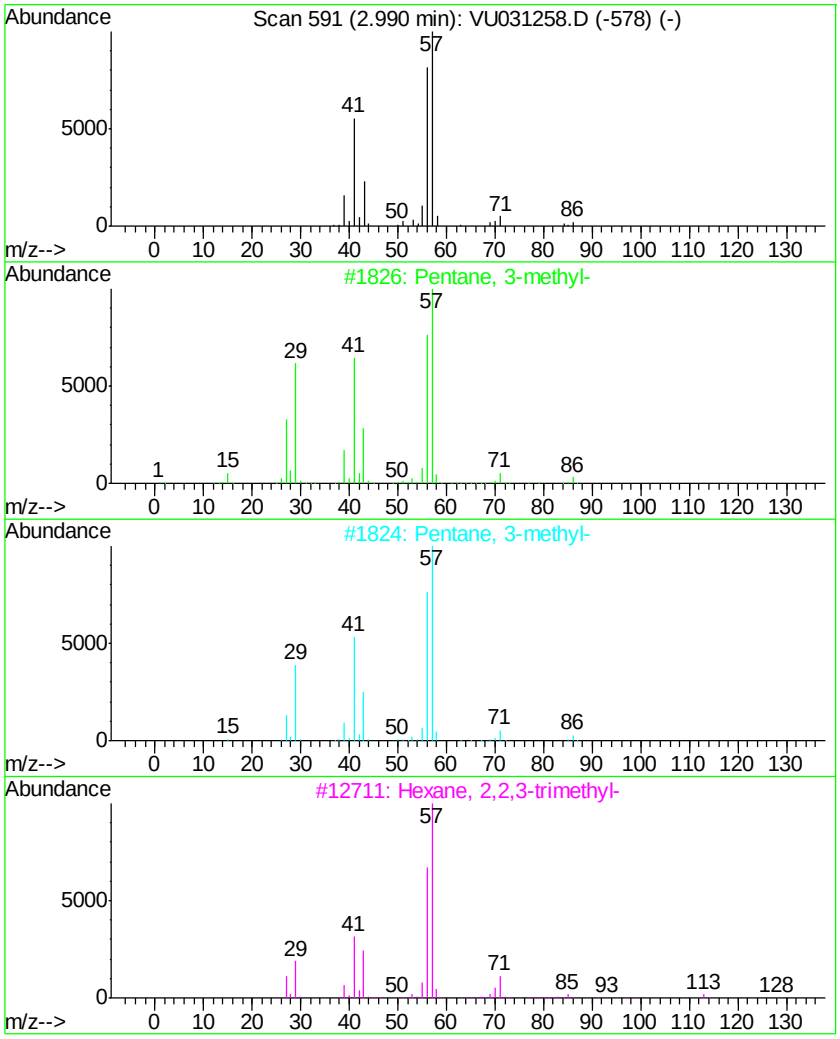
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

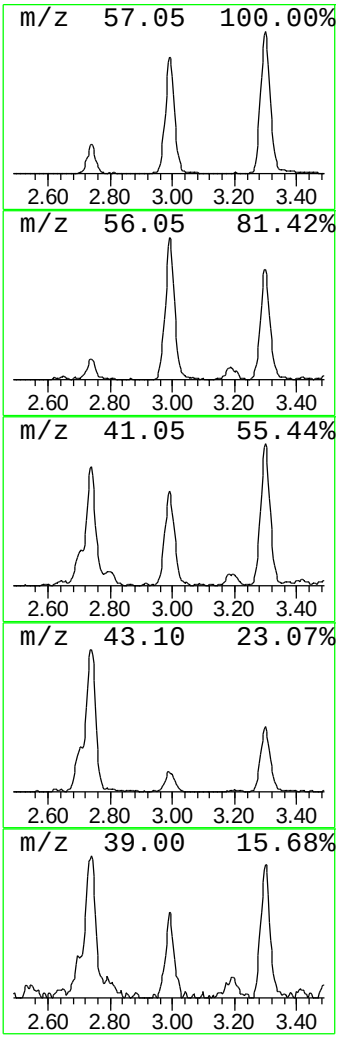
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.99	4.66 ug/L	129891	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
3	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	83
4	Pentane, 2,2,3-trimethyl-	114	C8H18	000564-02-3	72
5	n-Hexane	86	C6H14	000110-54-3	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041719\
Data File : VU031258.D
Acq On : 17 Apr 2019 14:33
Operator : JC/SP
Sample : K2402-10 10X
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHJ0

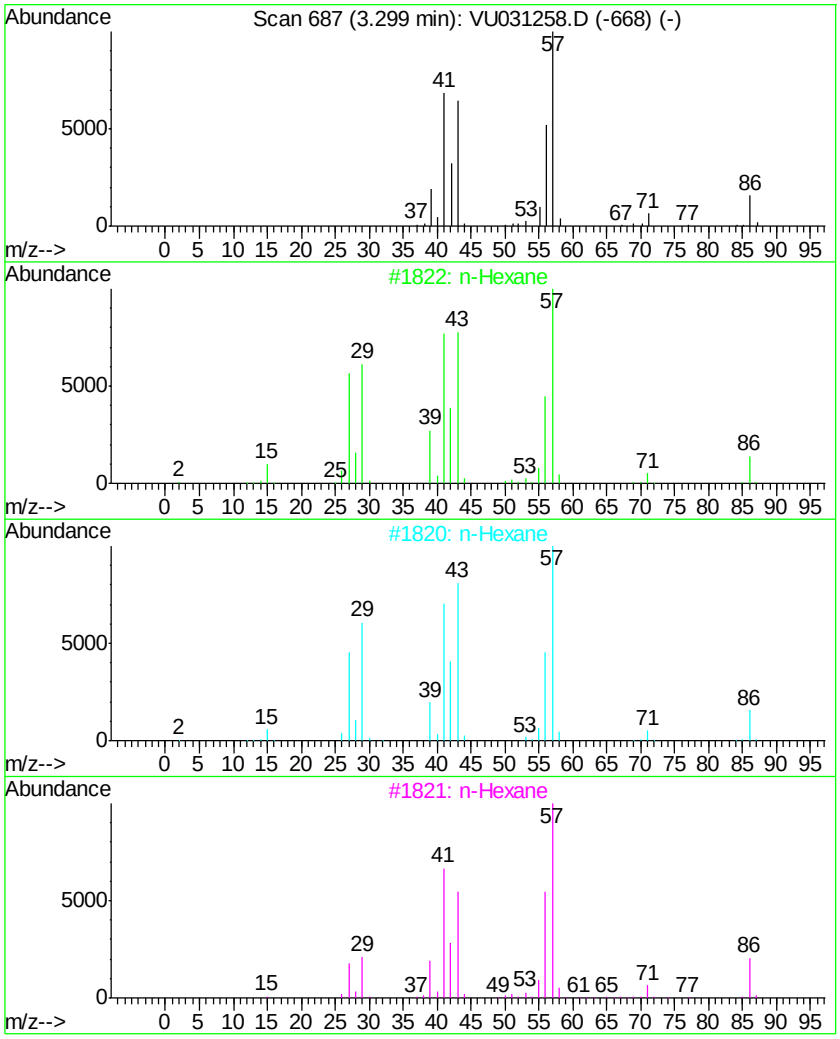
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

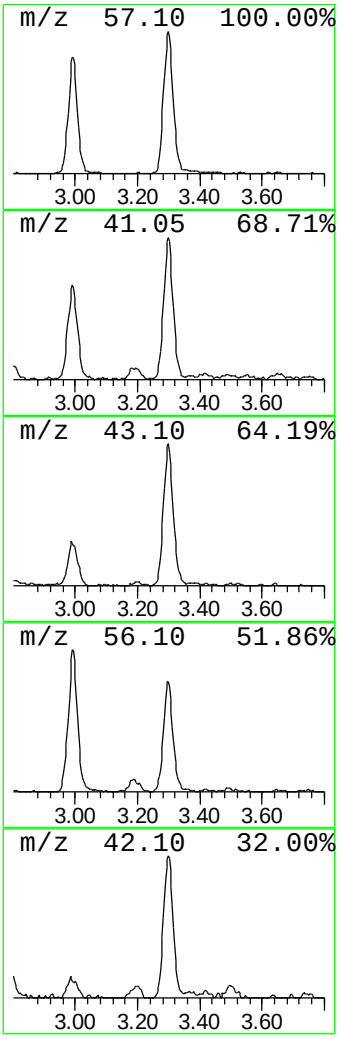
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.30	7.31 ug/L	203777	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	91
2	n-Hexane	86	C6H14	000110-54-3	91
3	n-Hexane	86	C6H14	000110-54-3	43
4	Pentane, 3-methyl-	86	C6H14	000096-14-0	42
5	Pentane, 3-methyl-	86	C6H14	000096-14-0	33





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041719\
Data File : VU031258.D
Acq On : 17 Apr 2019 14:33
Operator : JC/SP
Sample : K2402-10 10X
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHJ0

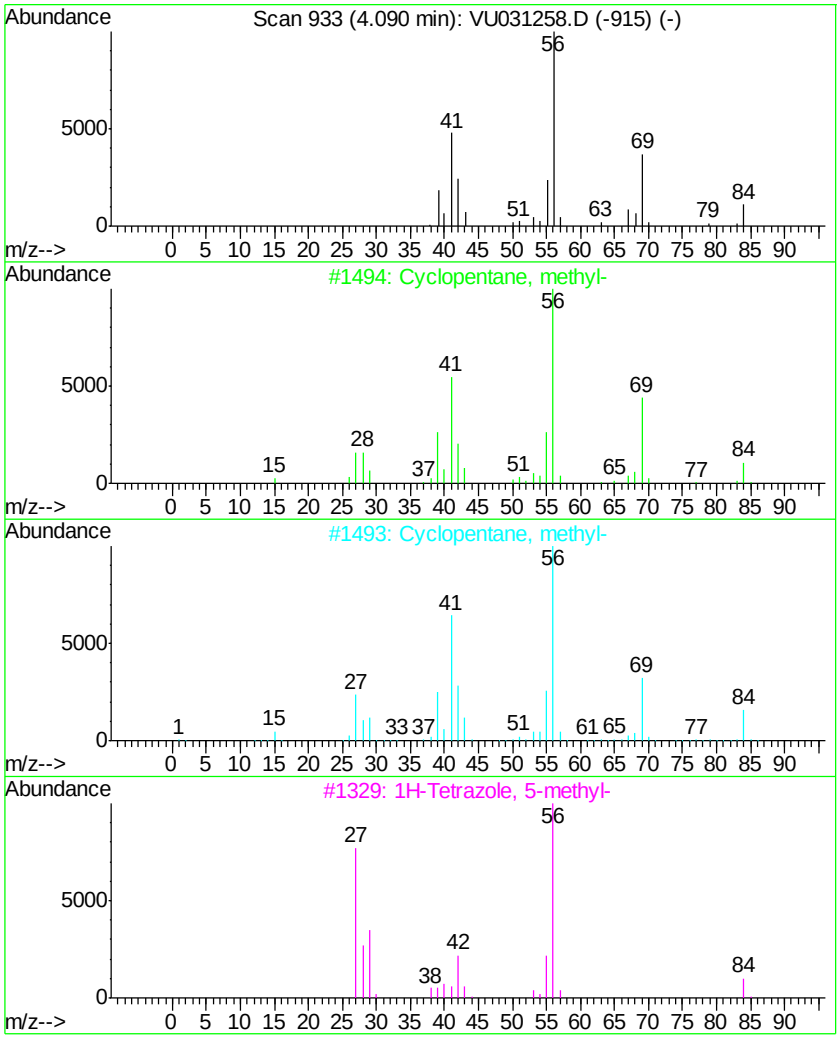
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

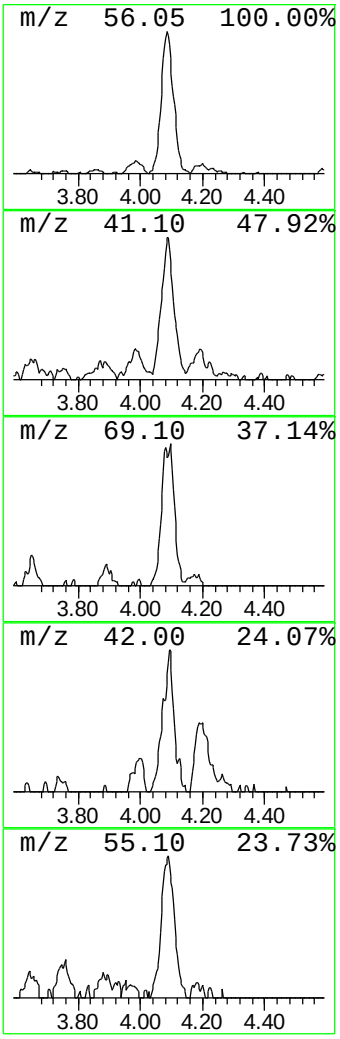
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Cyclic4.09 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.09	3.18 ug/L	88619	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
3	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	80
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
5	Cyclopentane, methyl-	84	C6H12	000096-37-7	50





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Data File : VU031258.D
Acq On : 17 Apr 2019 14:33
Operator : JC/SP
Sample : K2402-10 10X
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHJ0

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

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

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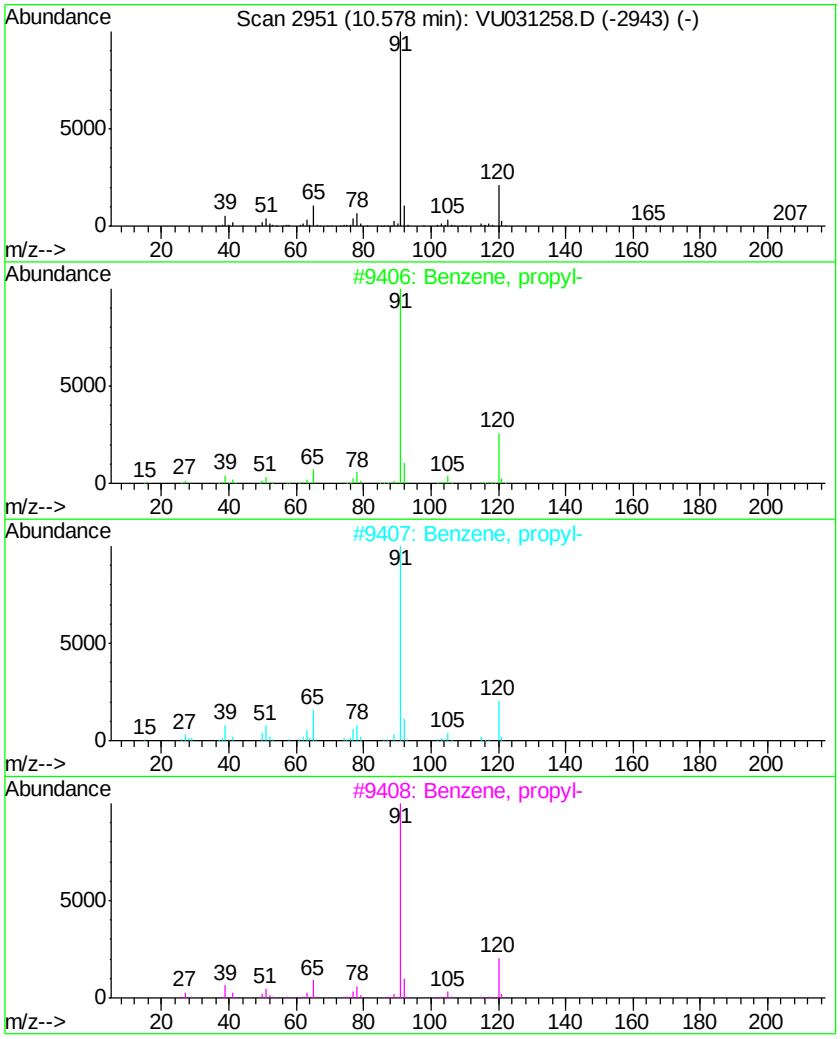
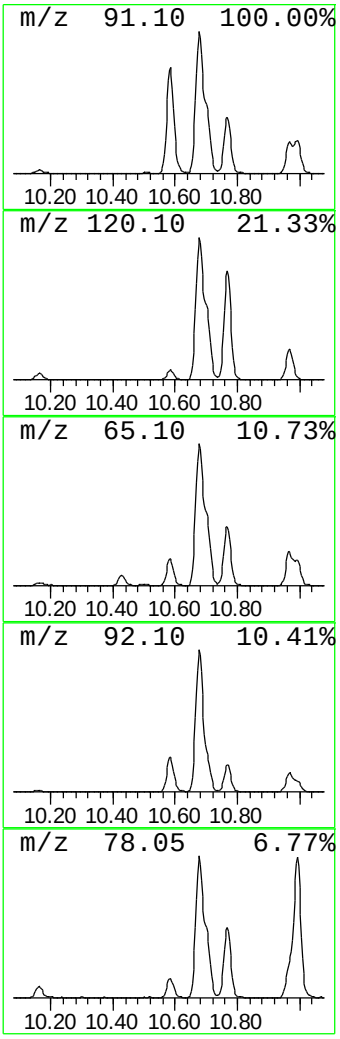
Peak Number 7 Benzene, propyl- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	16.06 ug/L	586993	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	90
2	Benzene, propyl-	120	C9H12	000103-65-1	90
3	Benzene, propyl-	120	C9H12	000103-65-1	90
4	1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	78
5	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041719\
Data File : VU031258.D
Acq On : 17 Apr 2019 14:33
Operator : JC/SP
Sample : K2402-10 10X
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHJ0

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

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

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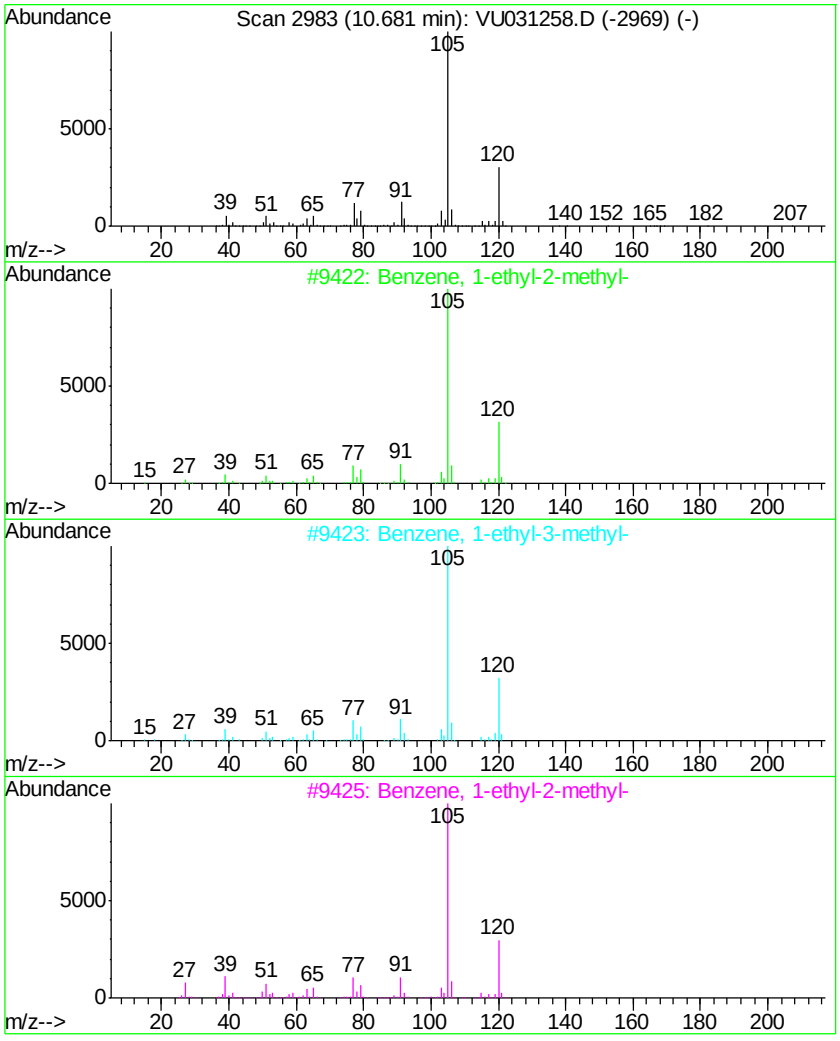
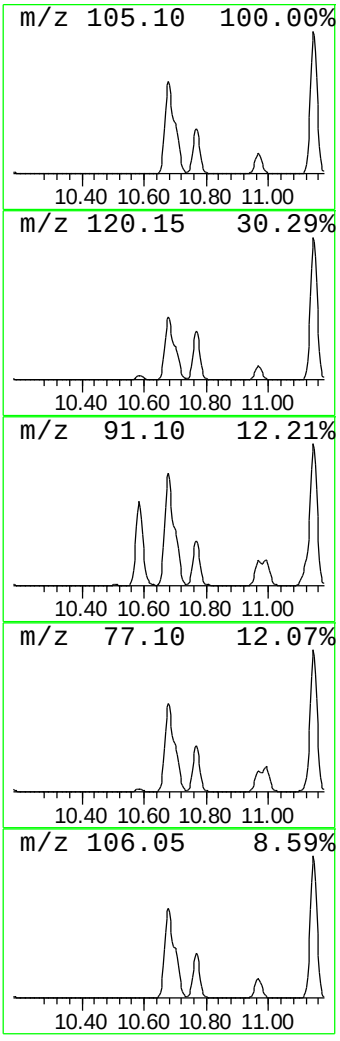
Peak Number 8 Benzene, 1-ethyl-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	304.09 ug/L	11112800	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-2-methyl-	120	C9H12	000611-14-3	95
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041719\
Data File : VU031258.D
Acq On : 17 Apr 2019 14:33
Operator : JC/SP
Sample : K2402-10 10X
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHJ0

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

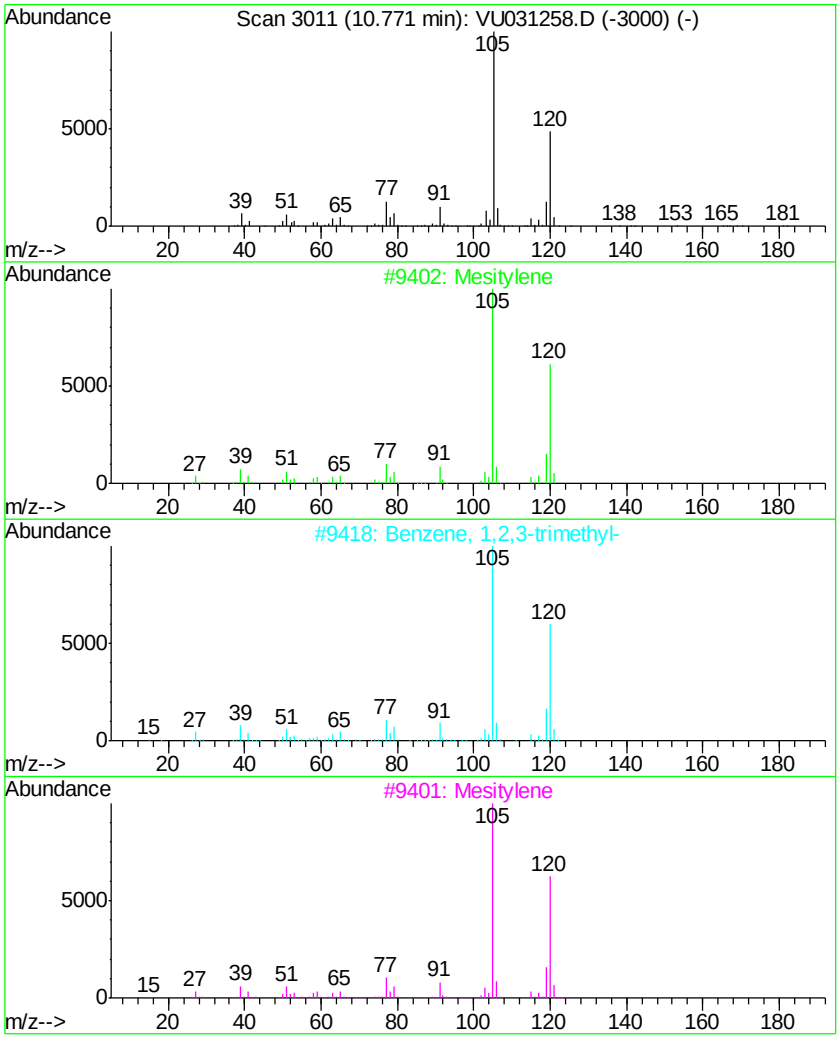
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

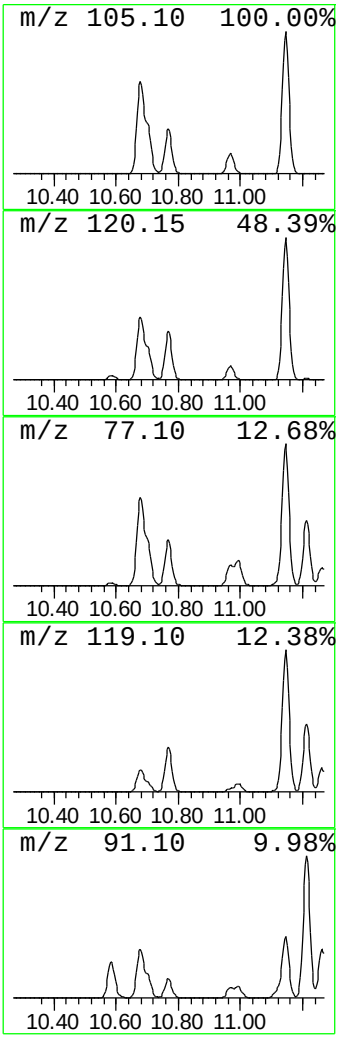
****

Peak Number 9 Mesitylene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	112.35 ug/L	4105770	1,4-Dichlorobenzene-d4	11.48

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





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041719\
Data File : VU031258.D
Acq On : 17 Apr 2019 14:33
Operator : JC/SP
Sample : K2402-10 10X
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHJ0

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

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

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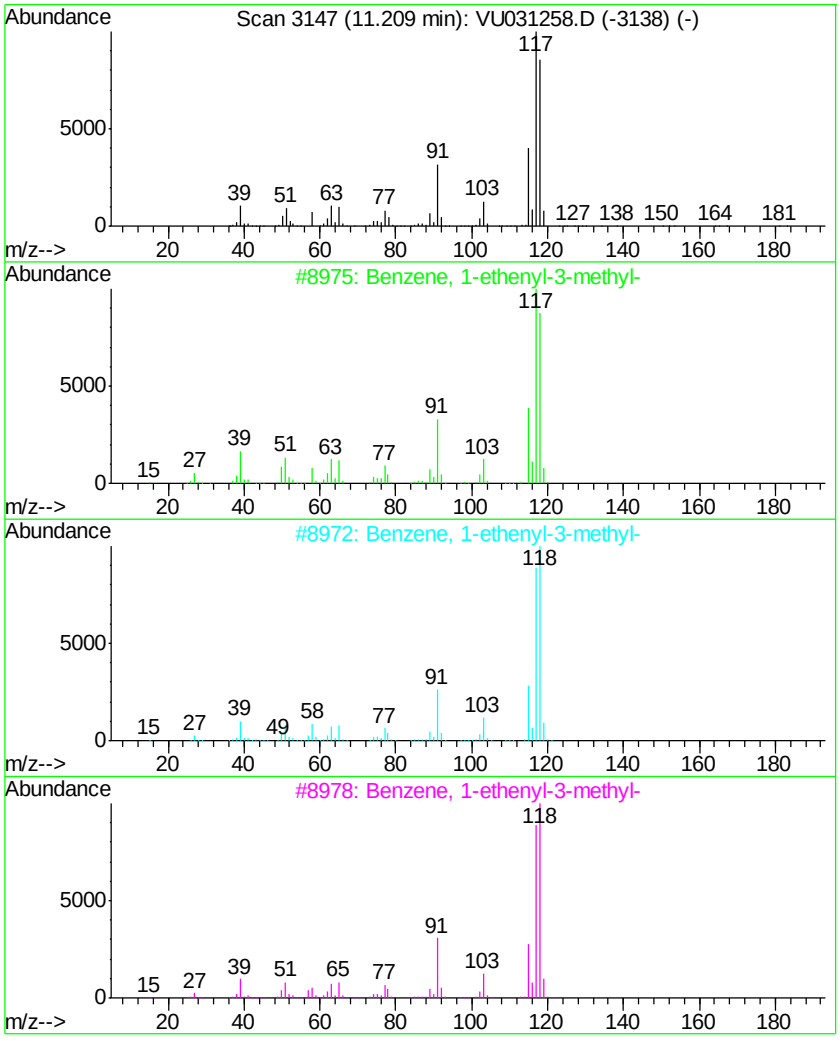
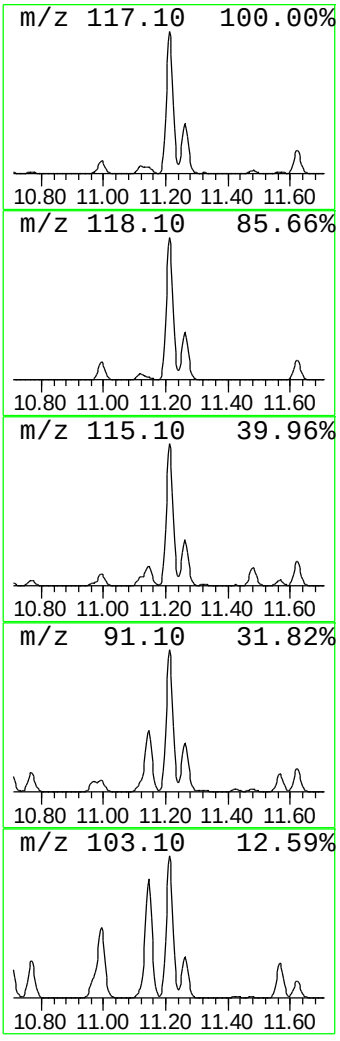
Peak Number 12 Benzene, 1-ethenyl-3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	381.27 ug/L	13933300	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
2	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
3	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	95
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041719\
Data File : VU031258.D
Acq On : 17 Apr 2019 14:33
Operator : JC/SP
Sample : K2402-10 10X
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHJ0

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

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

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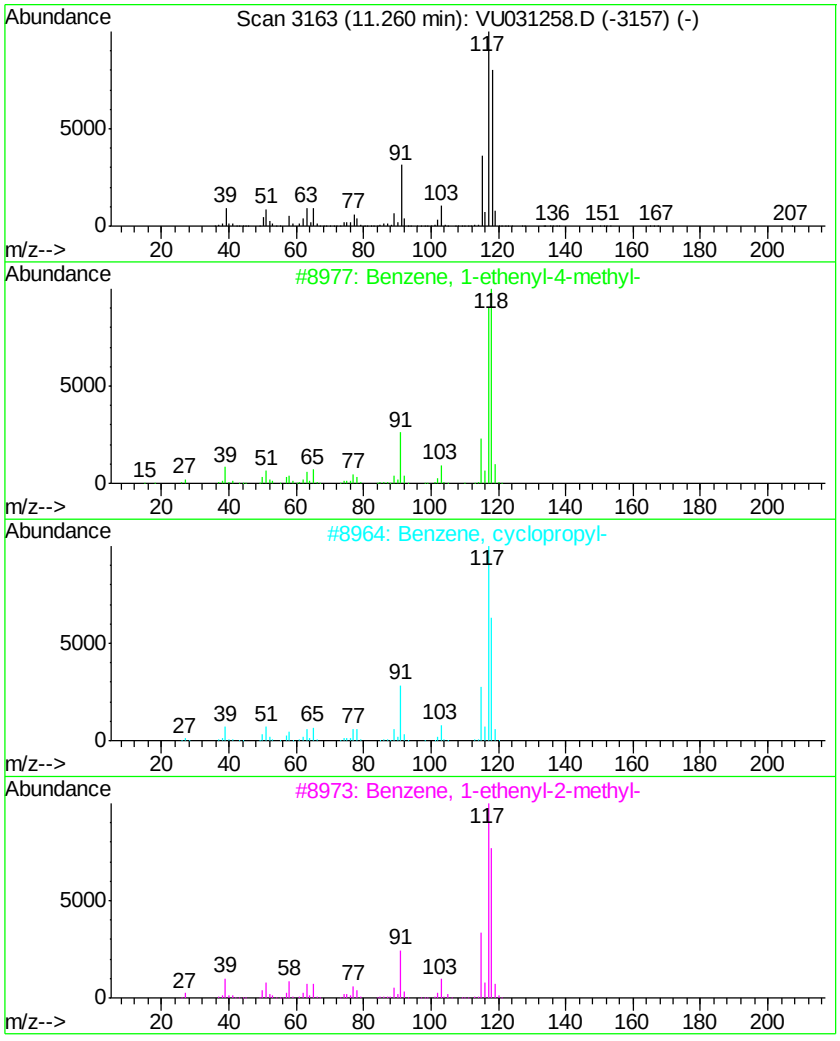
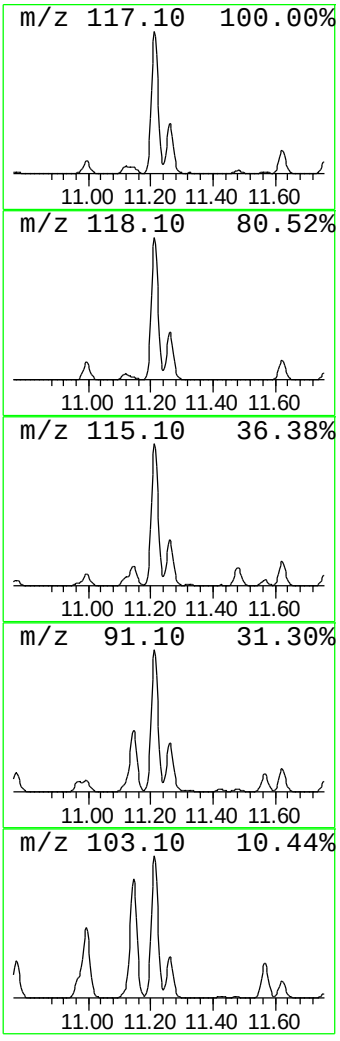
Peak Number 13 Benzene, 1-ethenyl-4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	125.00 ug/L	4568010	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	95
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	93
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	93





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041719\
Data File : VU031258.D
Acq On : 17 Apr 2019 14:33
Operator : JC/SP
Sample : K2402-10 10X
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHJ0

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

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

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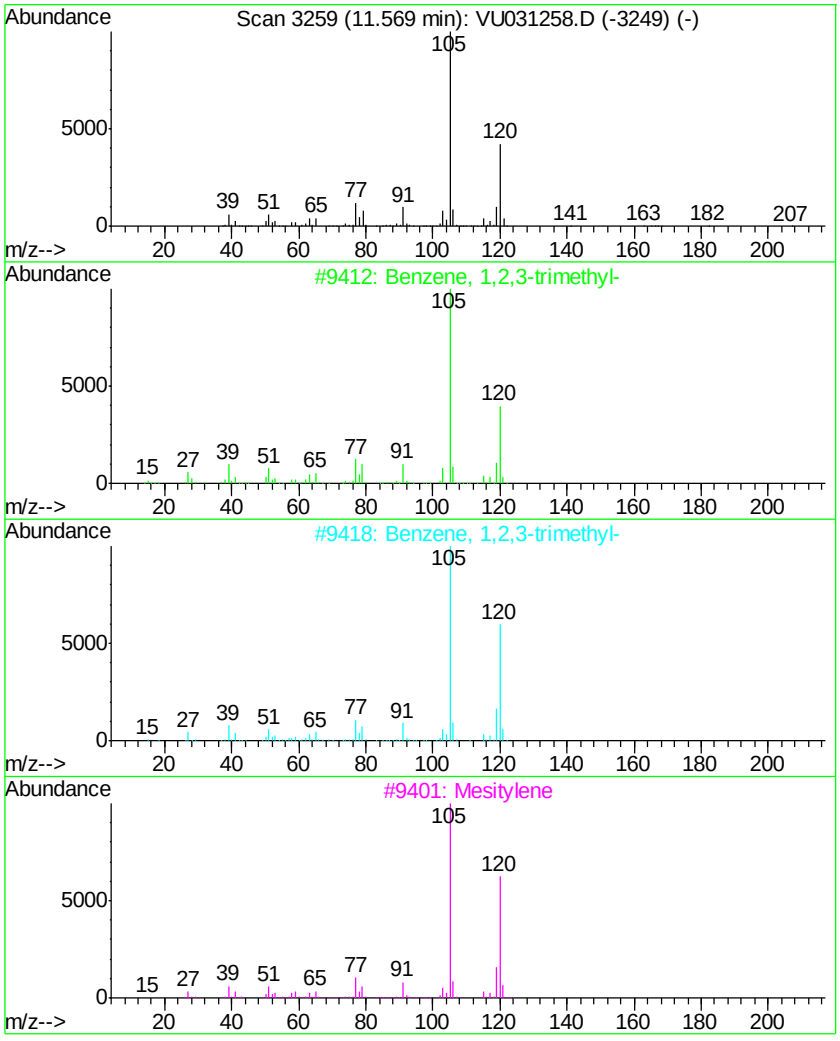
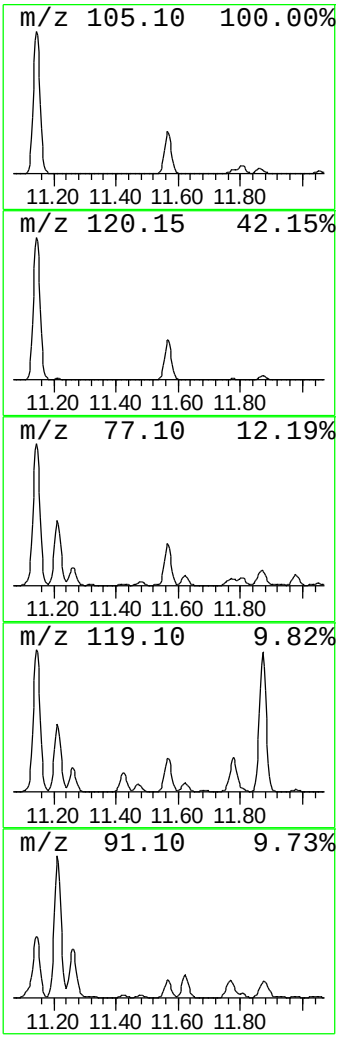
Peak Number 14 Benzene, 1,2,3-trimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	98.07 ug/L	3583830	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	95
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
3	Mesitylene	120	C9H12	000108-67-8	94
4	Mesitylene	120	C9H12	000108-67-8	93
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041719\
Data File : VU031258.D
Acq On : 17 Apr 2019 14:33
Operator : JC/SP
Sample : K2402-10 10X
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHJ0

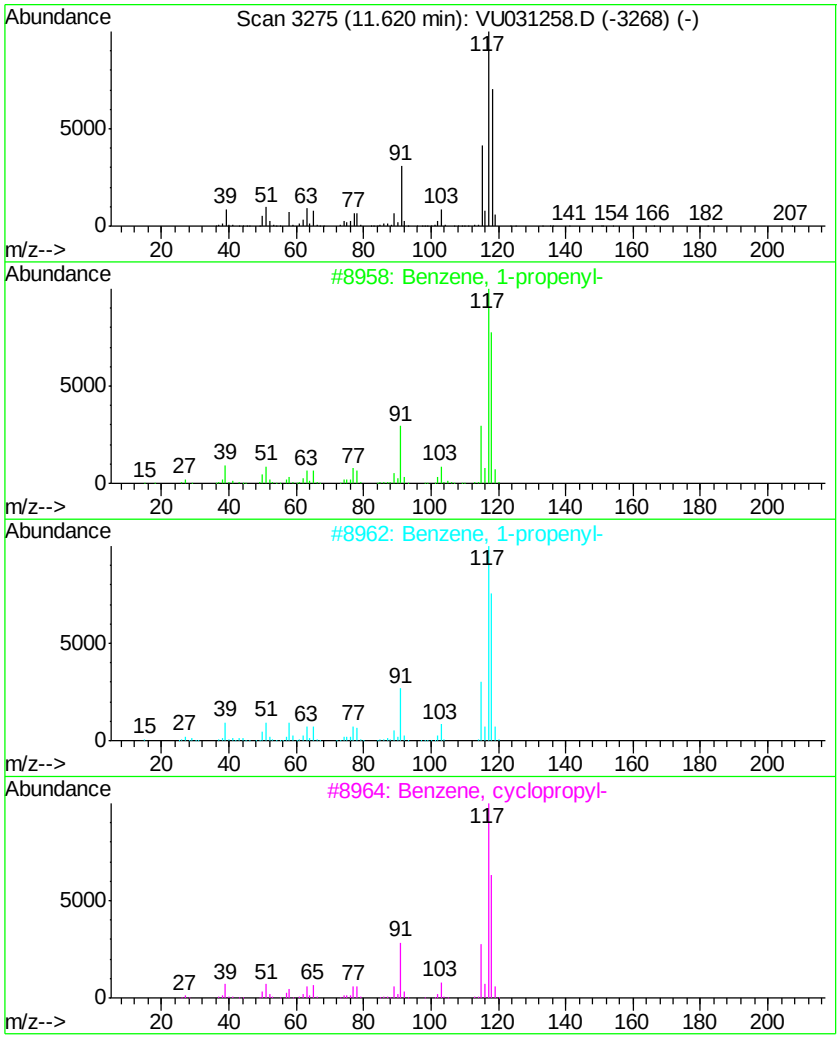
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

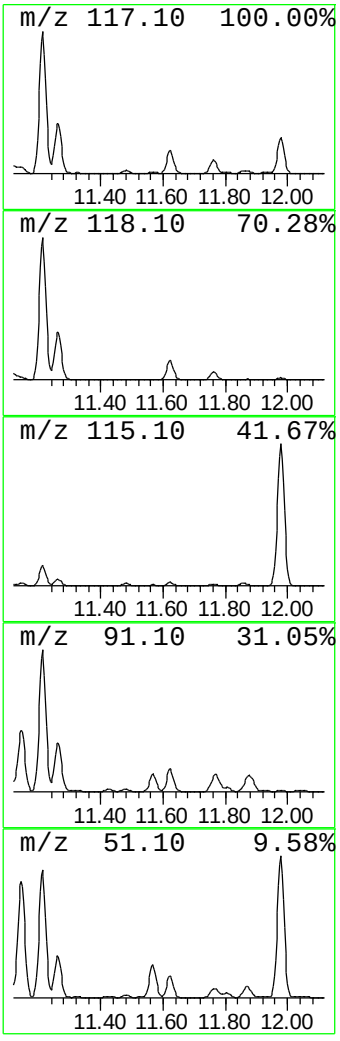
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Benzene, 1-propenyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	58.72 ug/L	2146020	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	94
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	93
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	92
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	89





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041719\
Data File : VU031258.D
Acq On : 17 Apr 2019 14:33
Operator : JC/SP
Sample : K2402-10 10X
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHJ0

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

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

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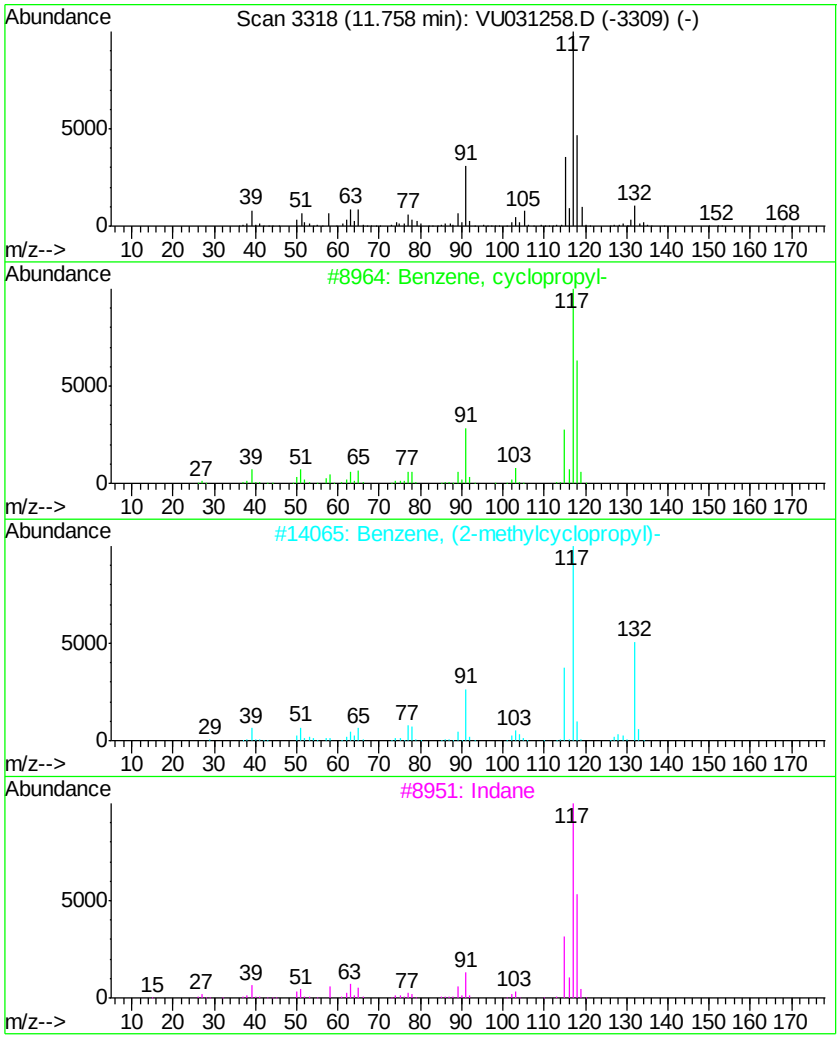
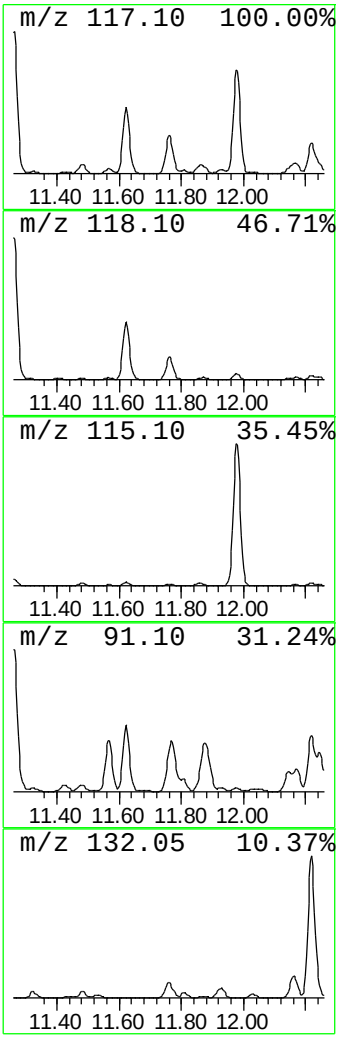
Peak Number 16 Benzene, cyclopropyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	48.64 ug/L	1777590	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
2	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	60
3	Indane	118	C9H10	000496-11-7	58
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	58
5	Deltacyclene	118	C9H10	007785-10-6	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041719\
Data File : VU031258.D
Acq On : 17 Apr 2019 14:33
Operator : JC/SP
Sample : K2402-10 10X
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHJ0

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

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

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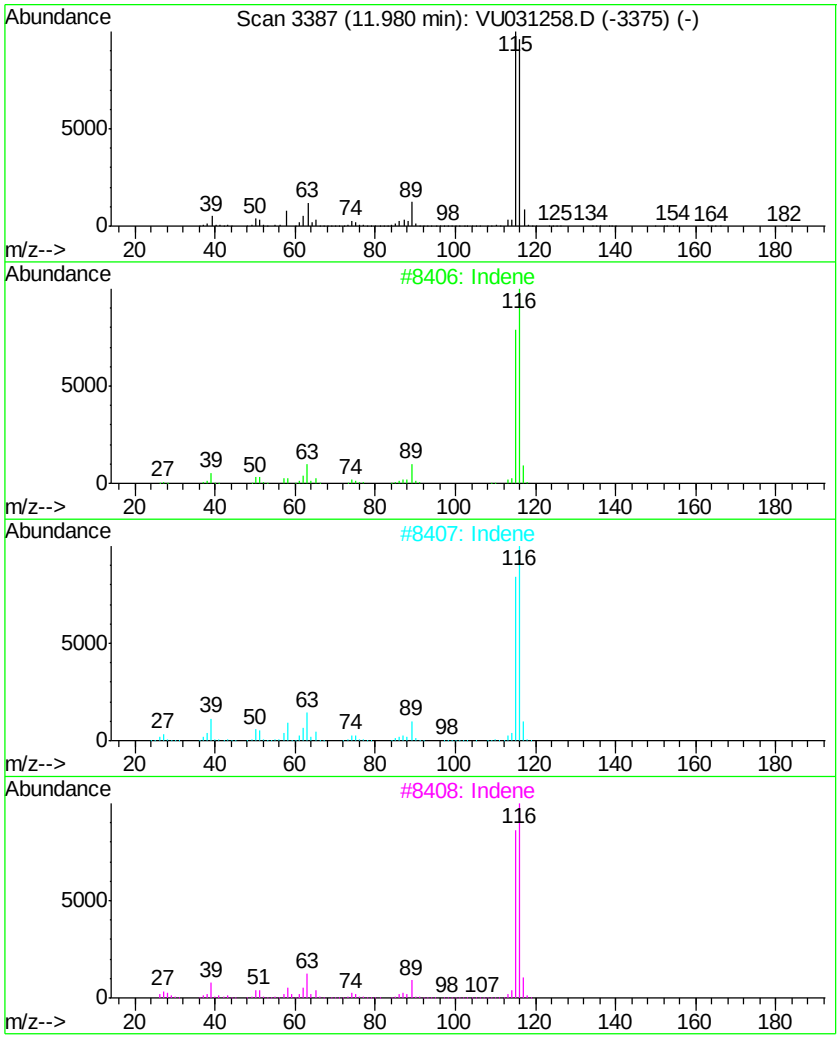
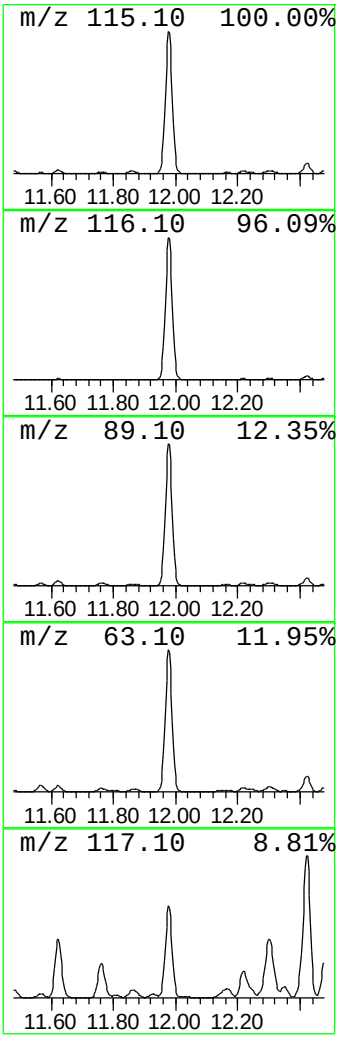
Peak Number 17 Indene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	813.21 ug/L	29718200	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Indene	116	C9H8	000095-13-6	96
3	Indene	116	C9H8	000095-13-6	95
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
5	3-Methylphenylacetylene	116	C9H8	000766-82-5	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041719\
Data File : VU031258.D
Acq On : 17 Apr 2019 14:33
Operator : JC/SP
Sample : K2402-10 10X
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHJ0

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

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

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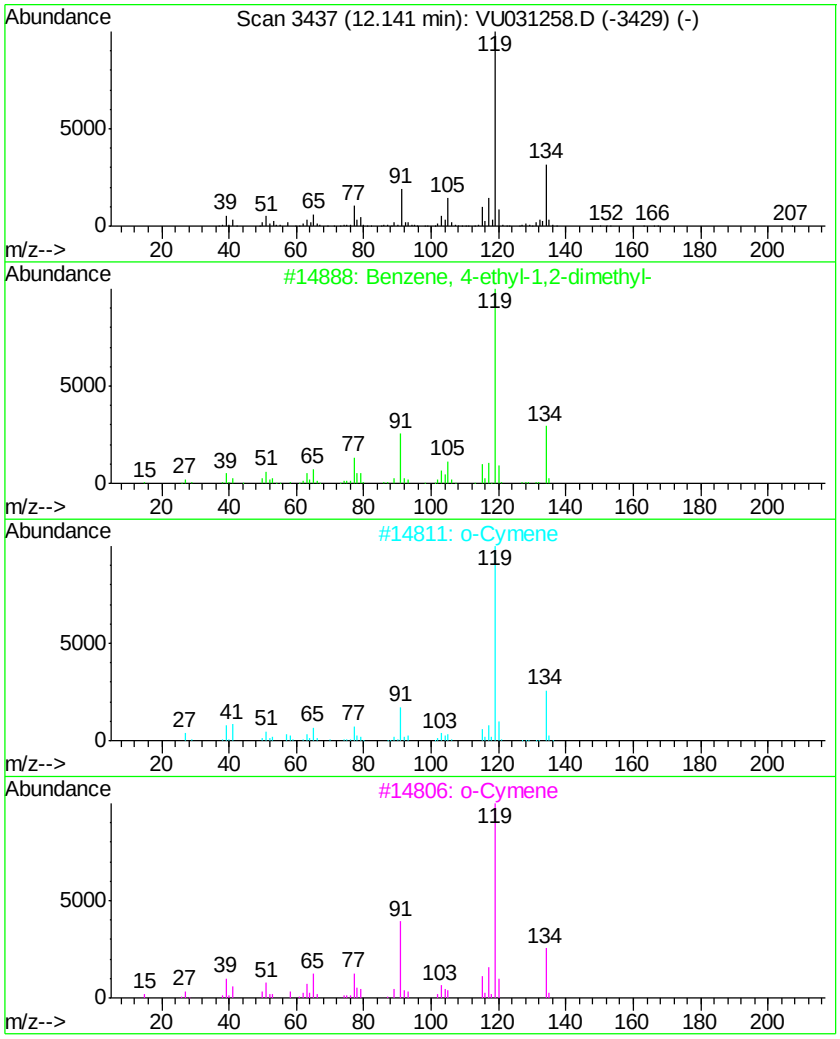
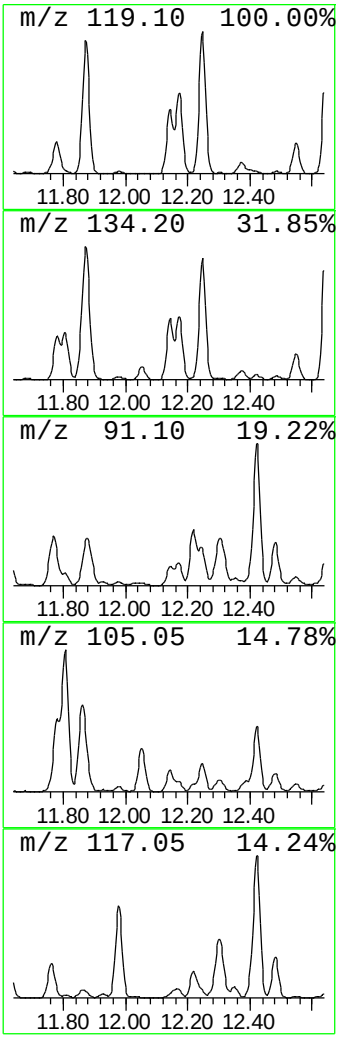
Peak Number 18 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	21.08 ug/L	770383	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	93
2	o-Cymene	134	C10H14	000527-84-4	93
3	o-Cymene	134	C10H14	000527-84-4	93
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041719\
Data File : VU031258.D
Acq On : 17 Apr 2019 14:33
Operator : JC/SP
Sample : K2402-10 10X
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHJ0

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

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

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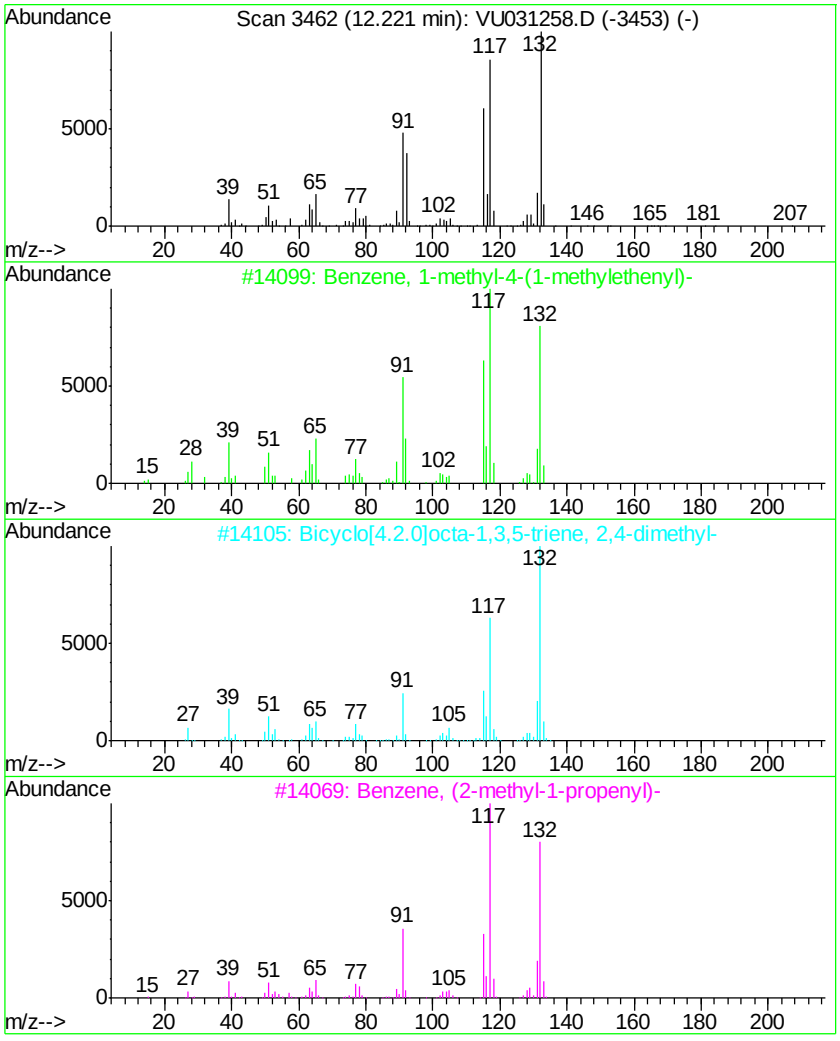
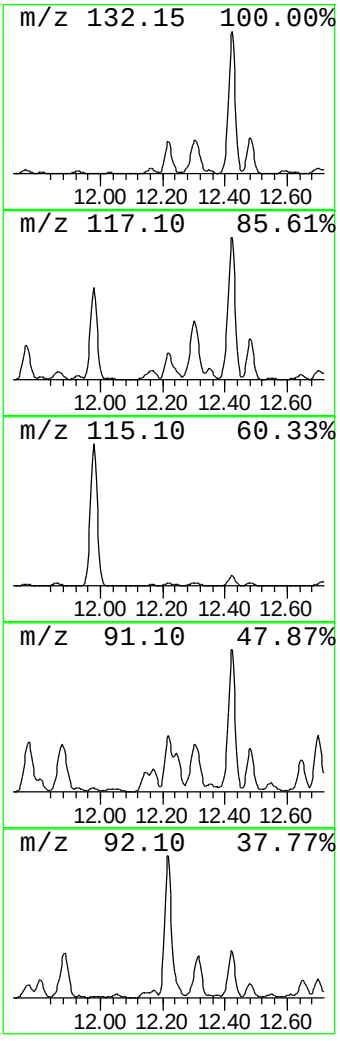
Peak Number 19 Benzene, 1-methyl-4-(1-meth... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	40.10 ug/L	1465510	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	95
2	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	76
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	74
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	70
5	Benzene, (1-methylenepropyl)-	132	C10H12	002039-93-2	68





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041719\
Data File : VU031258.D
Acq On : 17 Apr 2019 14:33
Operator : JC/SP
Sample : K2402-10 10X
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHJ0

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

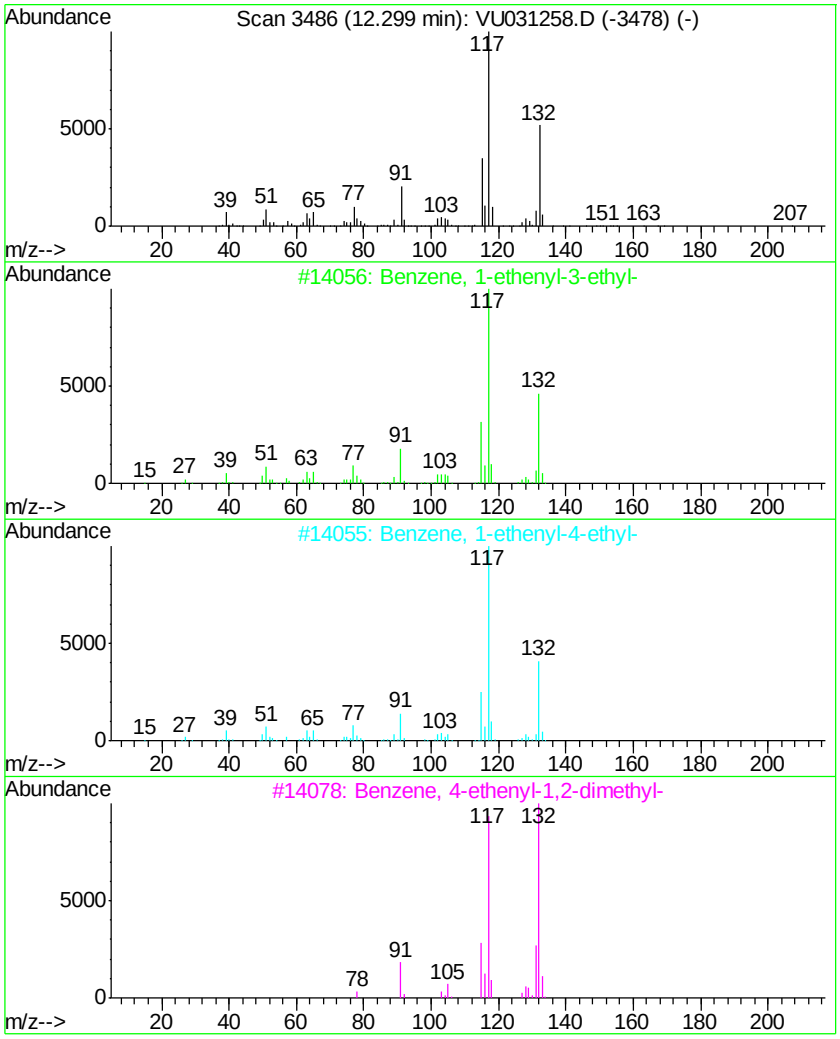
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

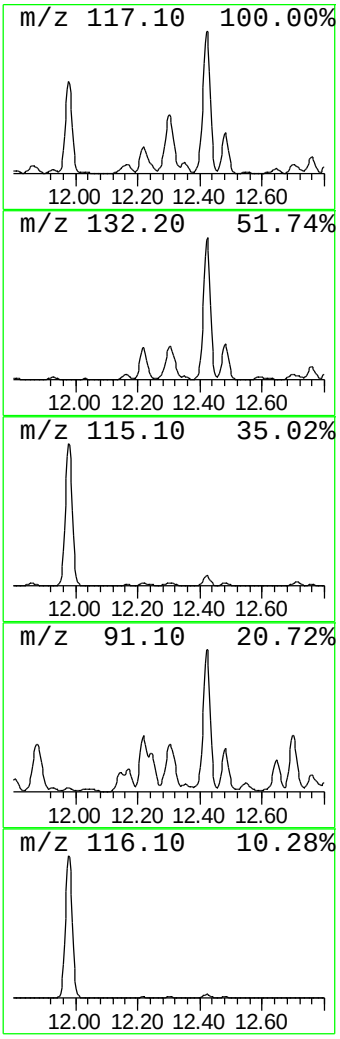
****

Peak Number 20 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	61.15 ug/L	2234580	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	96
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	95
3	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	91
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	91
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	91





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041719\
Data File : VU031258.D
Acq On : 17 Apr 2019 14:33
Operator : JC/SP
Sample : K2402-10 10X
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHJ0

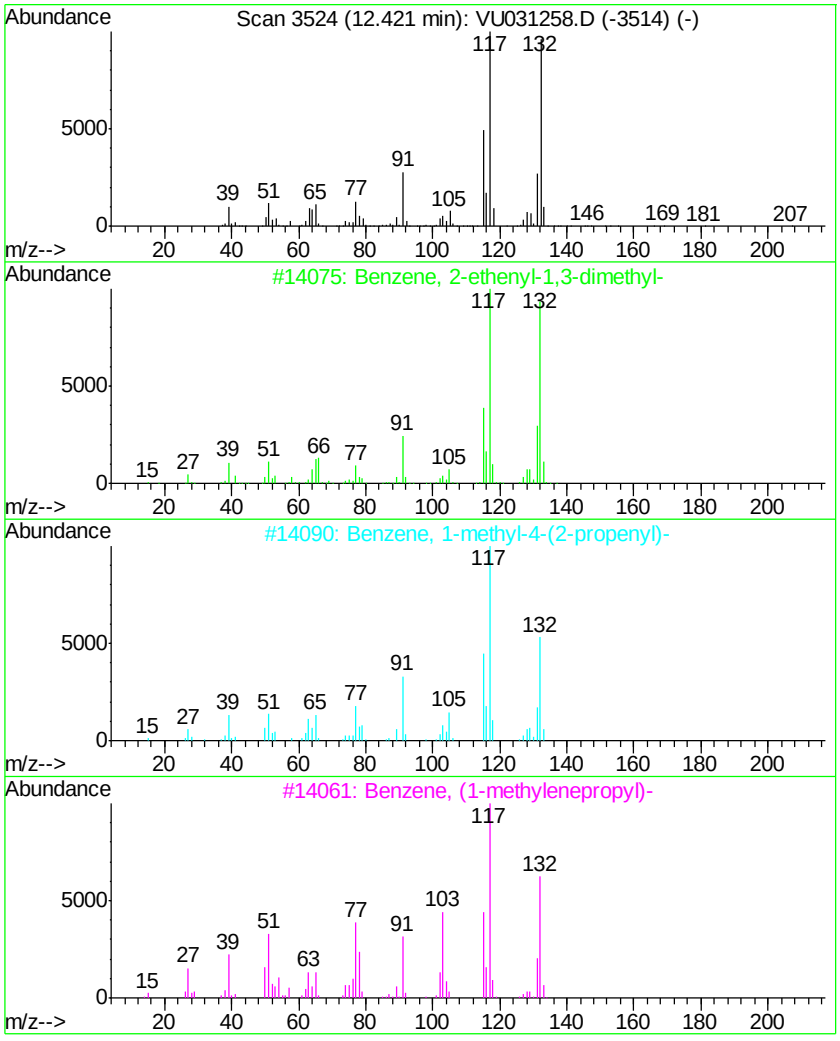
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

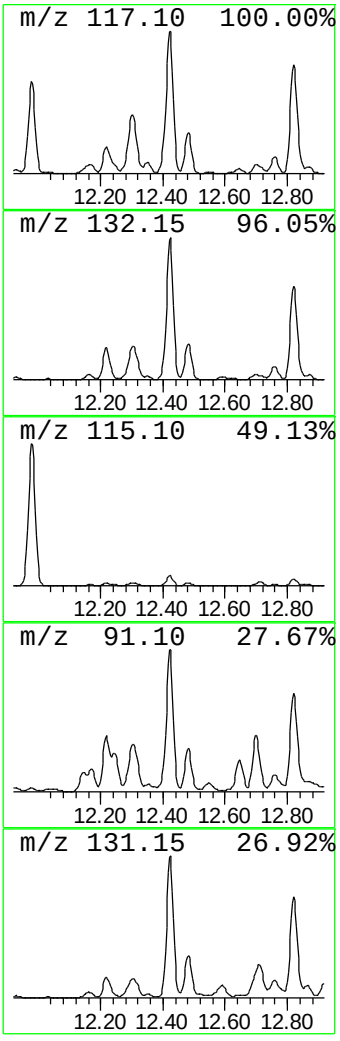
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Benzene, 2-ethenyl-1,3-dime... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	186.60 ug/L	6819270	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	97
2	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	94
3	Benzene, (1-methylenepropyl)-	132	C10H12	002039-93-2	94
4	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	94
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	94





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Data File : VU031258.D
Acq On : 17 Apr 2019 14:33
Operator : JC/SP
Sample : K2402-10 10X
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHJ0

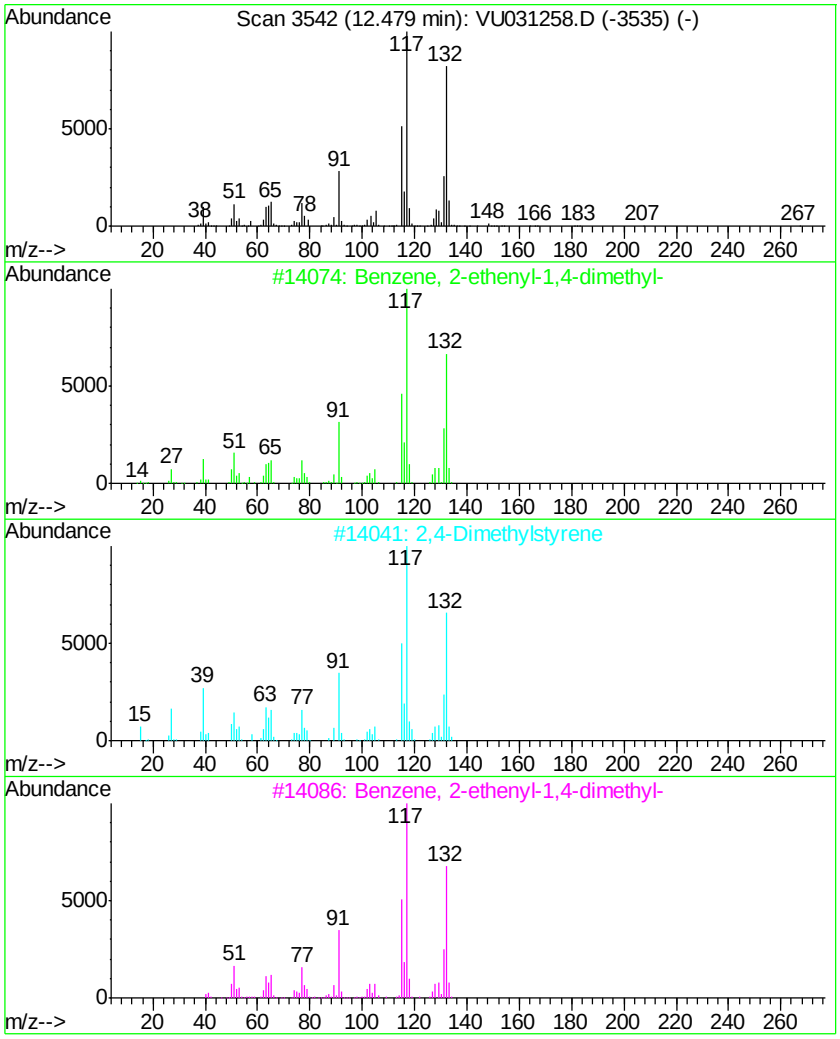
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

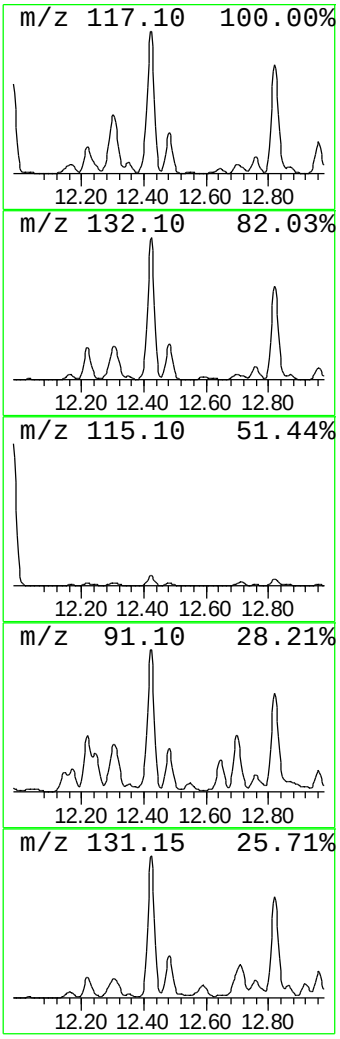
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	52.90 ug/L	1933140	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-1,4-dimethyl-	132	C10H12	002039-89-6	96
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	95
5	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	95





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Data File : VU031258.D
Acq On : 17 Apr 2019 14:33
Operator : JC/SP
Sample : K2402-10 10X
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHJ0

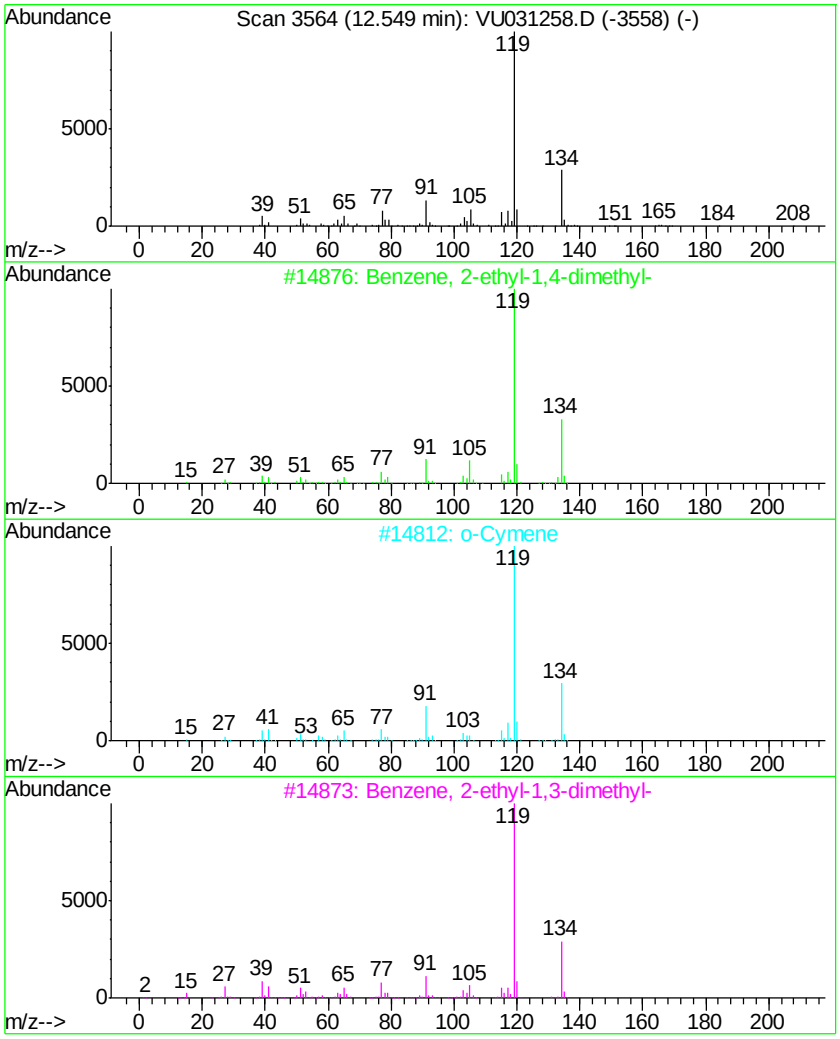
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

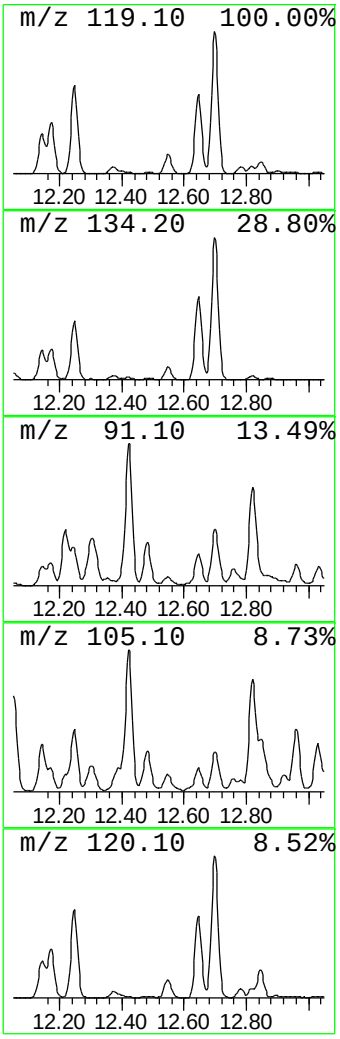
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	6.47 ug/L	236571	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	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94





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Data File : VU031258.D
Acq On : 17 Apr 2019 14:33
Operator : JC/SP
Sample : K2402-10 10X
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHJ0

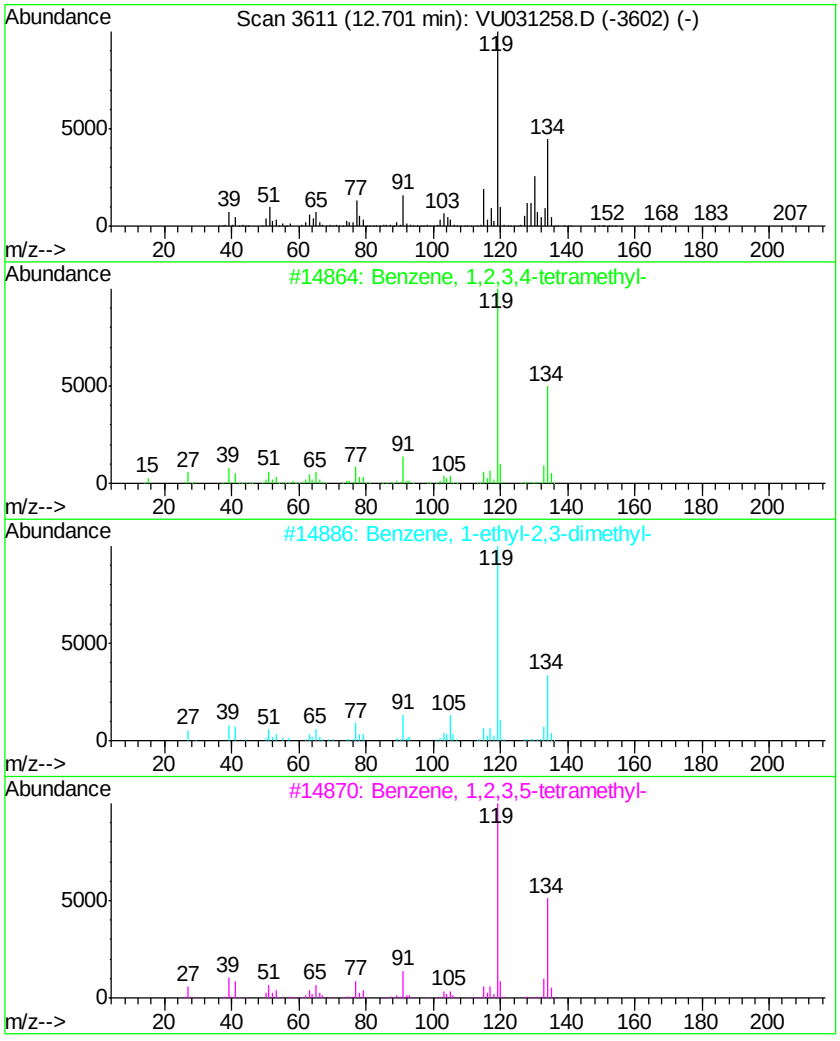
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

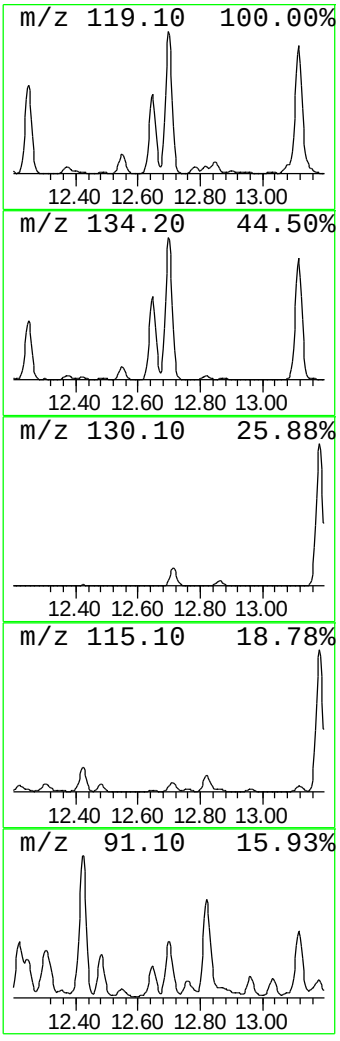
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	131.75 ug/L	4814620	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	60
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	60
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	60
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	60
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	60





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Data File : VU031258.D
Acq On : 17 Apr 2019 14:33
Operator : JC/SP
Sample : K2402-10 10X
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHJ0

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

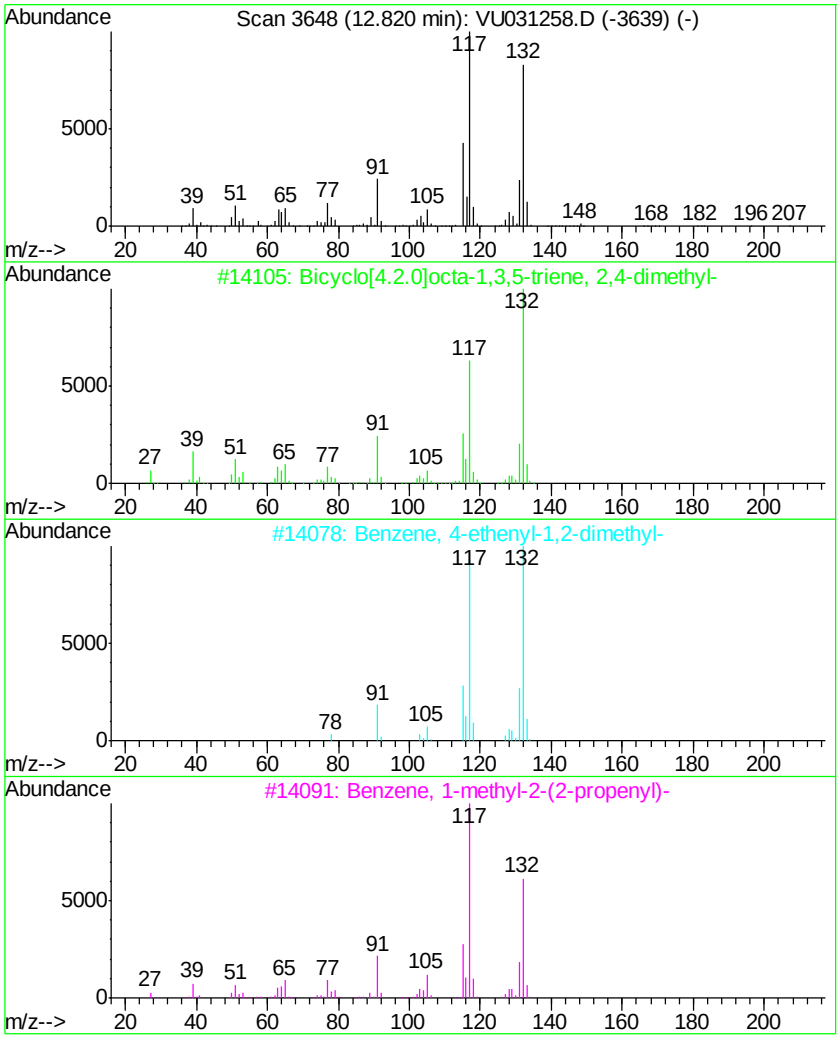
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

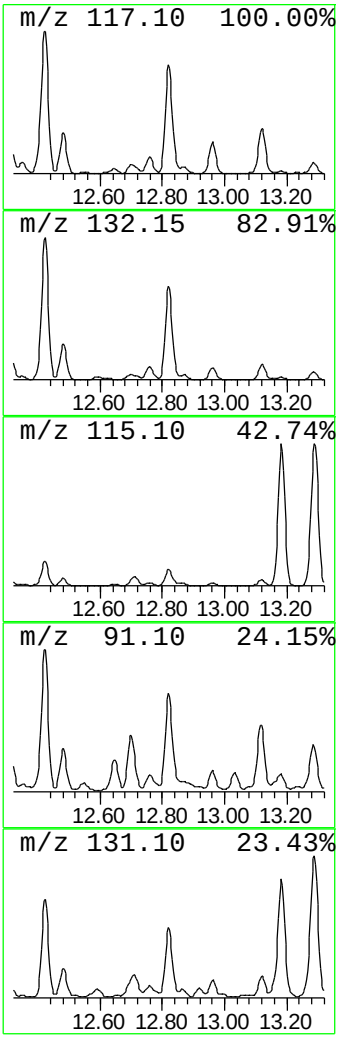
****

Peak Number 26 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.82	140.40 ug/L	5130720	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	95
2	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	95
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	95
4	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	95
5	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	94





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Data File : VU031258.D
Acq On : 17 Apr 2019 14:33
Operator : JC/SP
Sample : K2402-10 10X
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHJ0

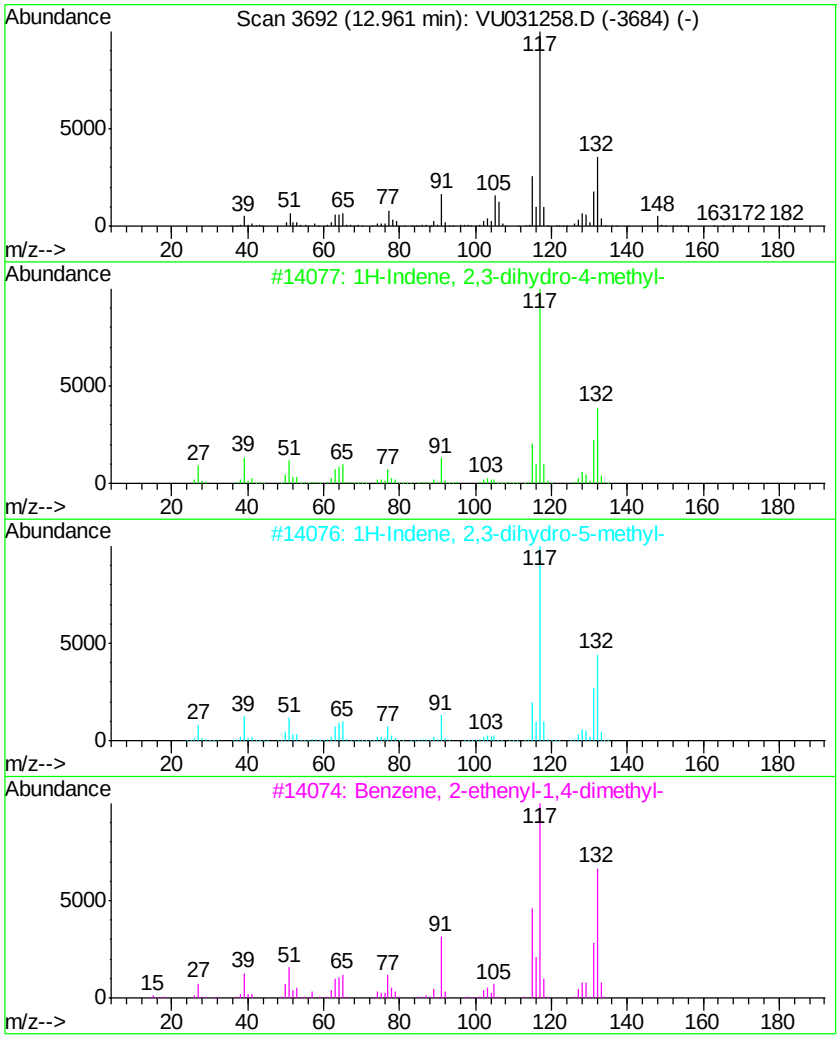
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

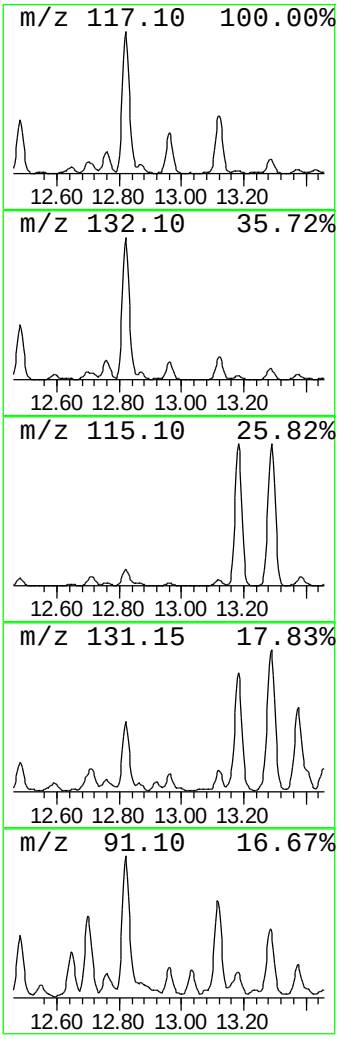
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	29.34 ug/L	1072060	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	93
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	91
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
4	Indan, 1-methyl-	132	C10H12	000767-58-8	87
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041719\
Data File : VU031258.D
Acq On : 17 Apr 2019 14:33
Operator : JC/SP
Sample : K2402-10 10X
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHJ0

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

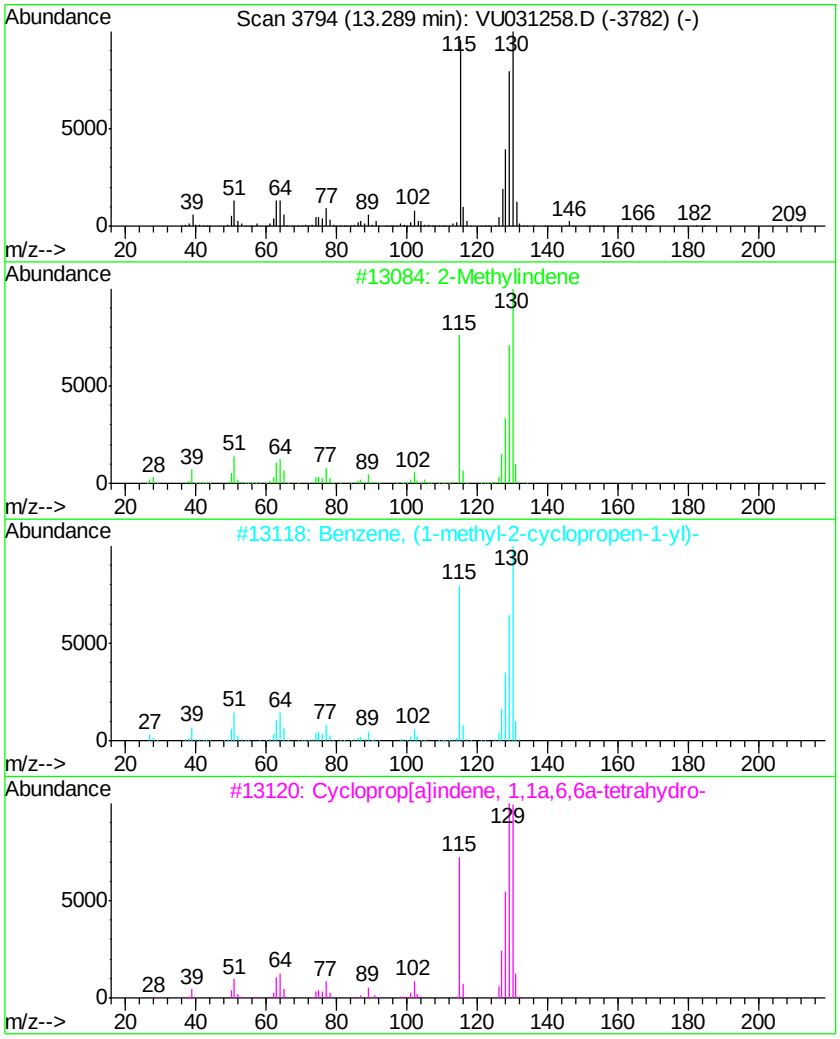
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

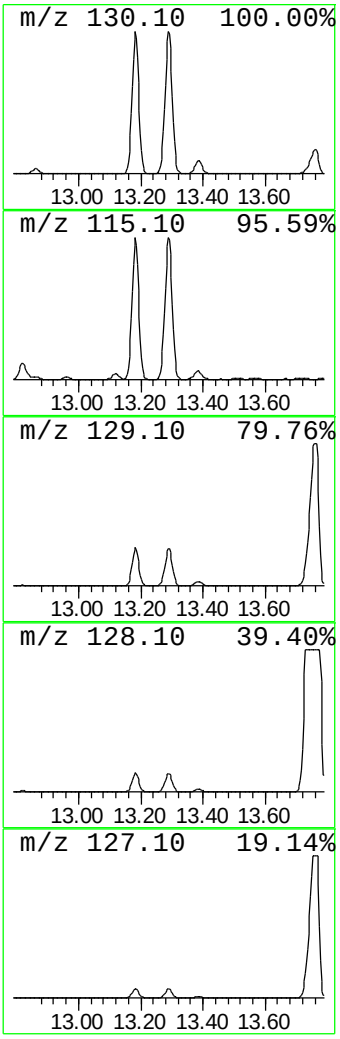
****

Peak Number 30 2-Methylindene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	629.75 ug/L	23014000	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	97
2	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	96
3	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	95
4	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	94
5	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041719\
Data File : VU031258.D
Acq On : 17 Apr 2019 14:33
Operator : JC/SP
Sample : K2402-10 10X
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHJ0

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

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

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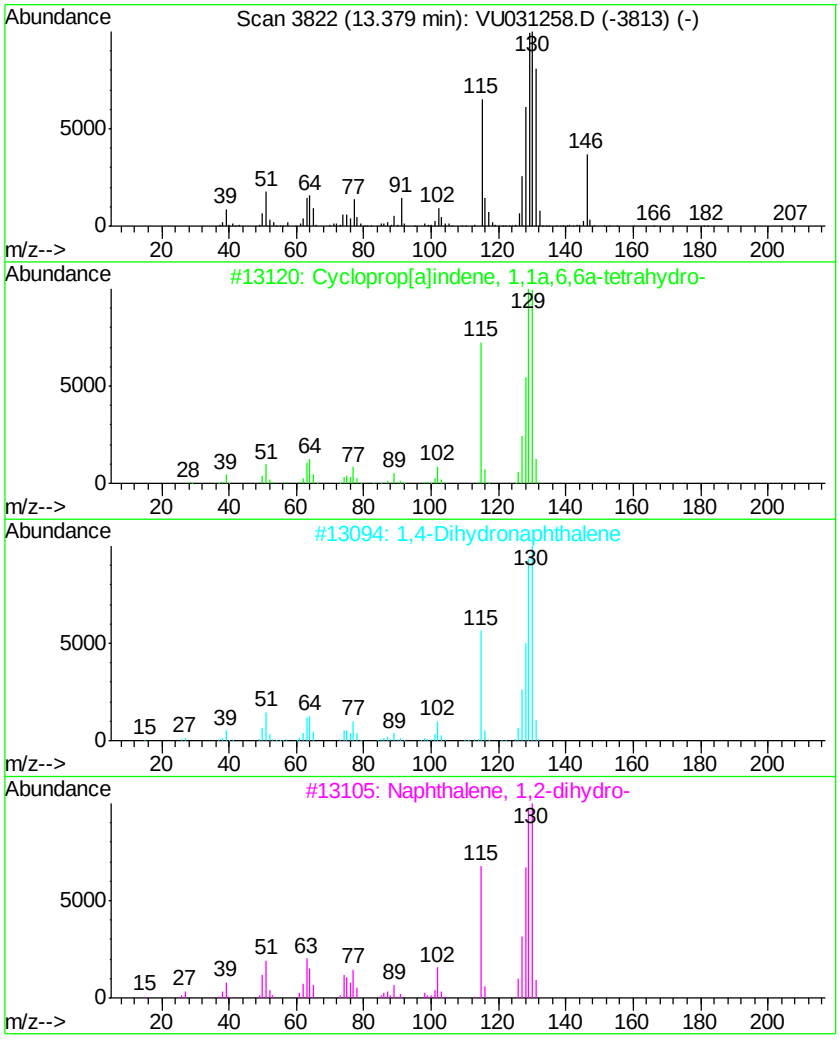
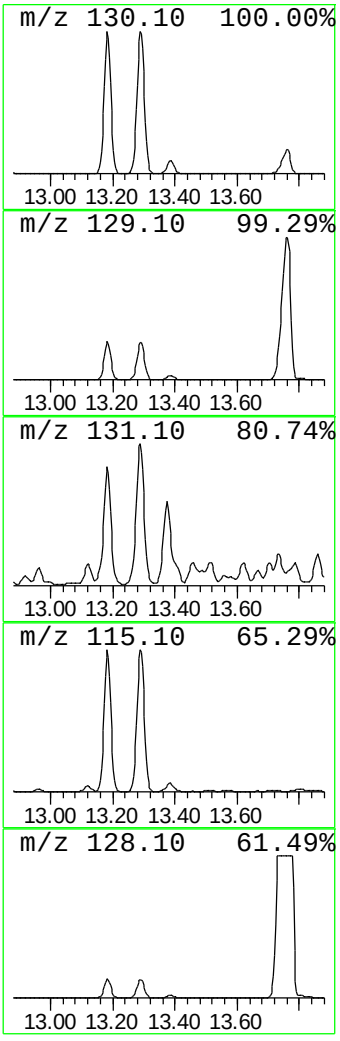
Peak Number 31 Cycloprop[a]indene, 1,1a,6,... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	81.07 ug/L	2962540	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	93
2	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	93
3	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	90
4	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	90
5	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	83





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041719\
Data File : VU031258.D
Acq On : 17 Apr 2019 14:33
Operator : JC/SP
Sample : K2402-10 10X
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHJ0

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

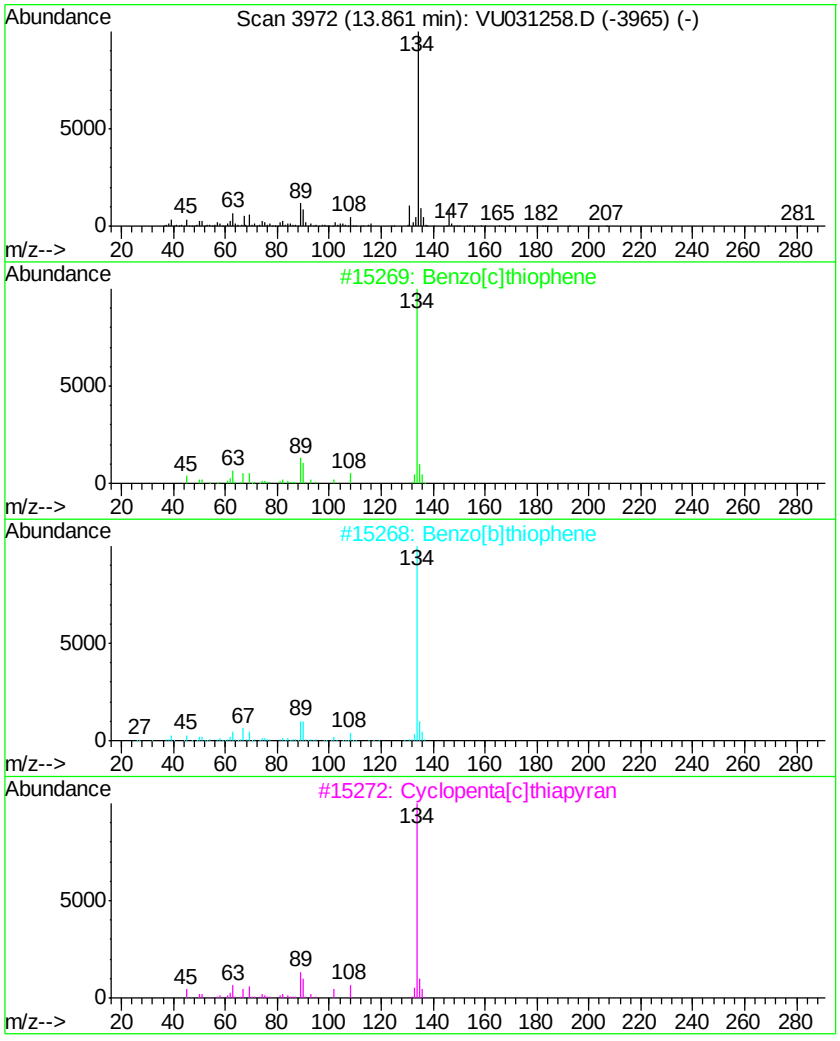
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

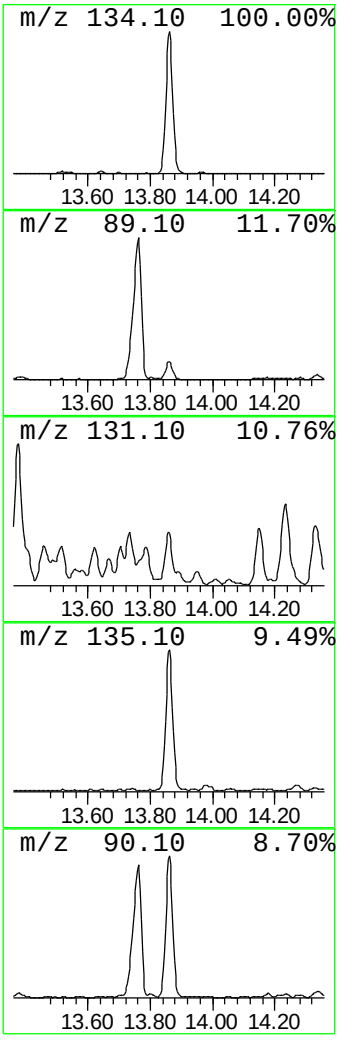
****

Peak Number 33 Benzo[c]thiophene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	71.26 ug/L	2604180	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]thiophene	134	C8H6S	000270-82-6	95
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
3	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	91
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	90
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	87





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041719\
Data File : VU031258.D
Acq On : 17 Apr 2019 14:33
Operator : JC/SP
Sample : K2402-10 10X
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHJ0

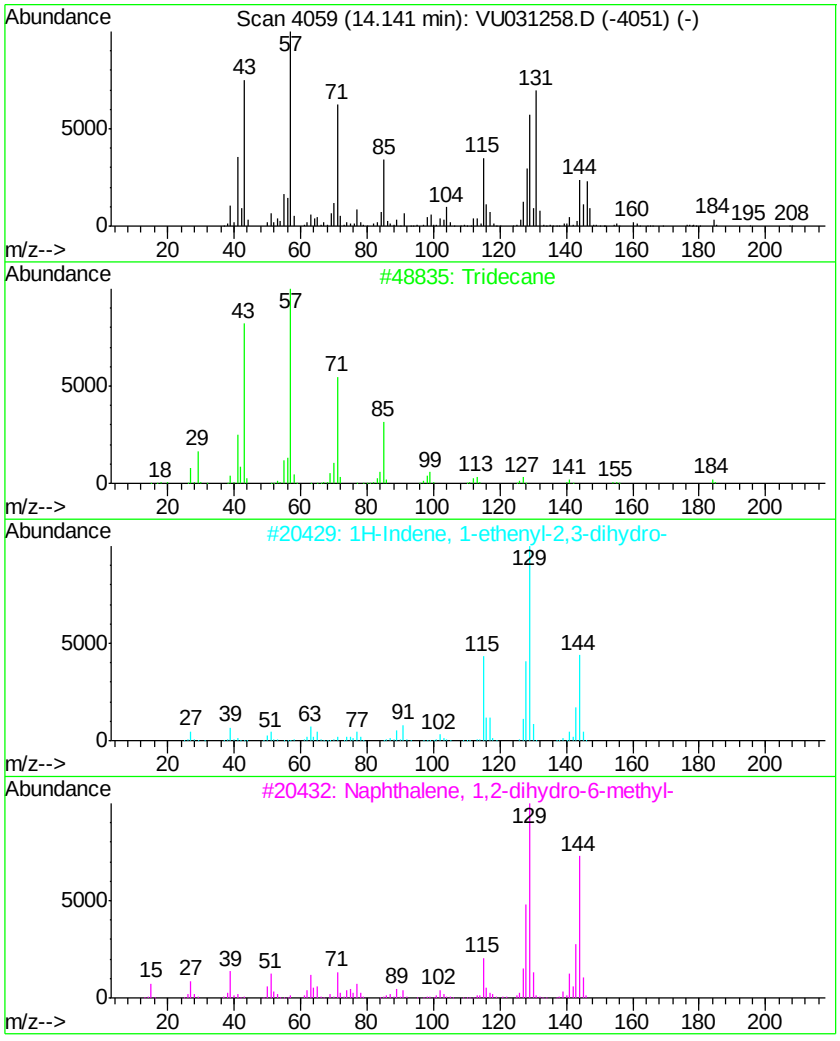
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

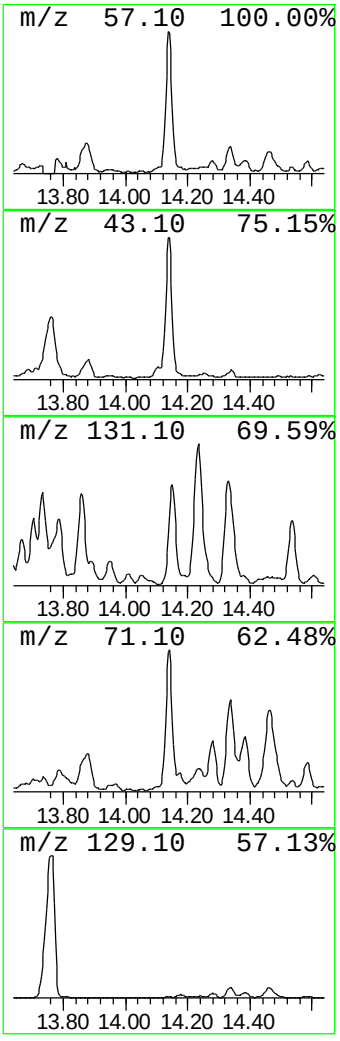
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	30.92 ug/L	1130120	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	56
2	1H-Indene, 1-ethenyl-2,3-dihydro-	144	C11H12	051783-46-1	55
3	Naphthalene, 1,2-dihydro-6-methyl-	144	C11H12	002717-47-7	46
4	Benzene, (1-methyl-2-butynyl)-	144	C11H12	087712-69-4	38
5	(1-Methylbuta-1,3-dienyl)benzene	144	C11H12	054758-36-0	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041719\
Data File : VU031258.D
Acq On : 17 Apr 2019 14:33
Operator : JC/SP
Sample : K2402-10 10X
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHJ0

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

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

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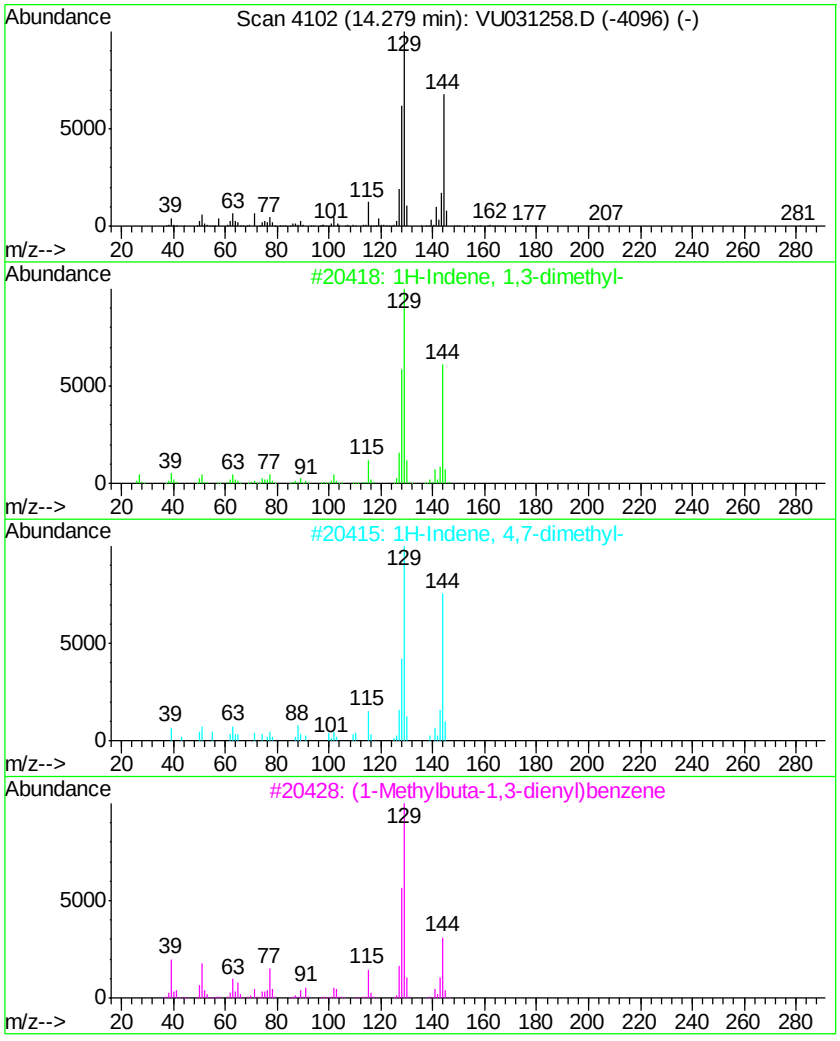
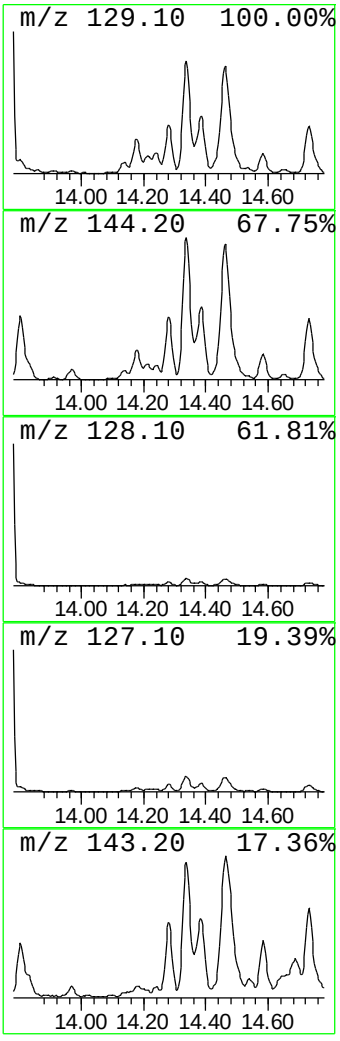
Peak Number 35 1H-Indene, 1,3-dimethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	38.95 ug/L	1423490	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	93
3	(1-Methylbuta-1,3-dienyl)benzene	144	C11H12	054758-36-0	90
4	Benzene, 1-cyclopenten-1-yl-	144	C11H12	000825-54-7	86
5	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041719\
Data File : VU031258.D
Acq On : 17 Apr 2019 14:33
Operator : JC/SP
Sample : K2402-10 10X
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHJ0

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

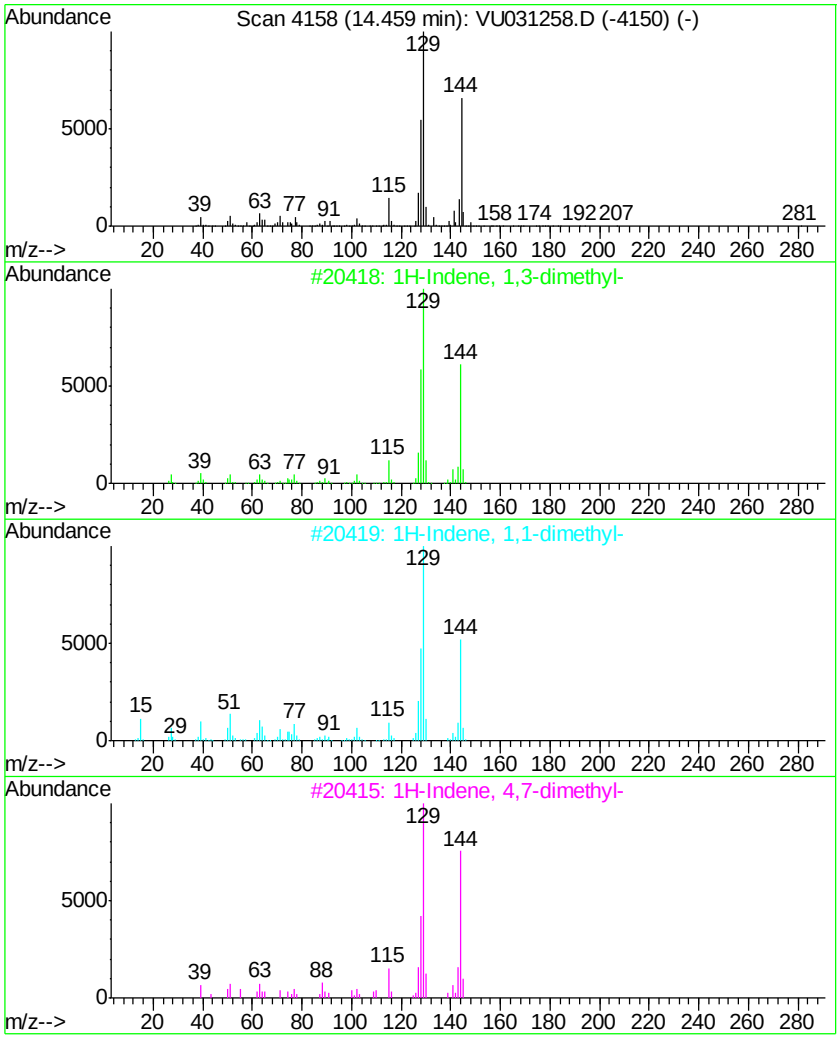
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

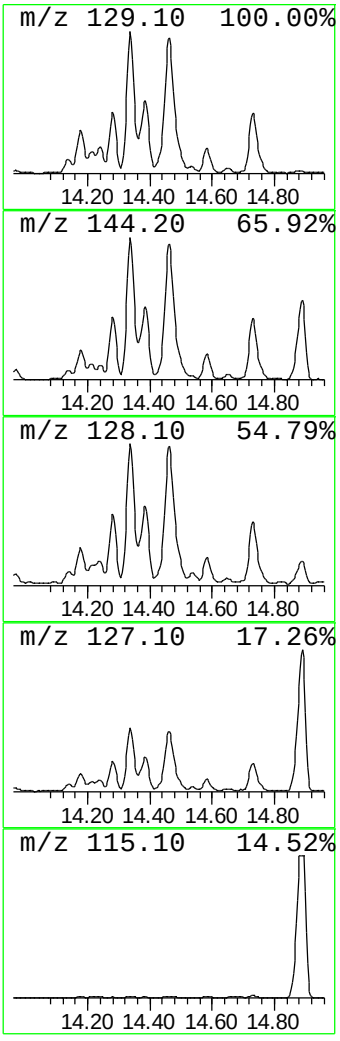
****

Peak Number 37 1H-Indene, 4,7-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	125.48 ug/L	4585600	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	96
2	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	94
3	1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	93
4	Naphthalene, 1,2-dihydro-3-methyl-	144	C11H12	002717-44-4	87
5	1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	87





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041719\
Data File : VU031258.D
Acq On : 17 Apr 2019 14:33
Operator : JC/SP
Sample : K2402-10 10X
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHJ0

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

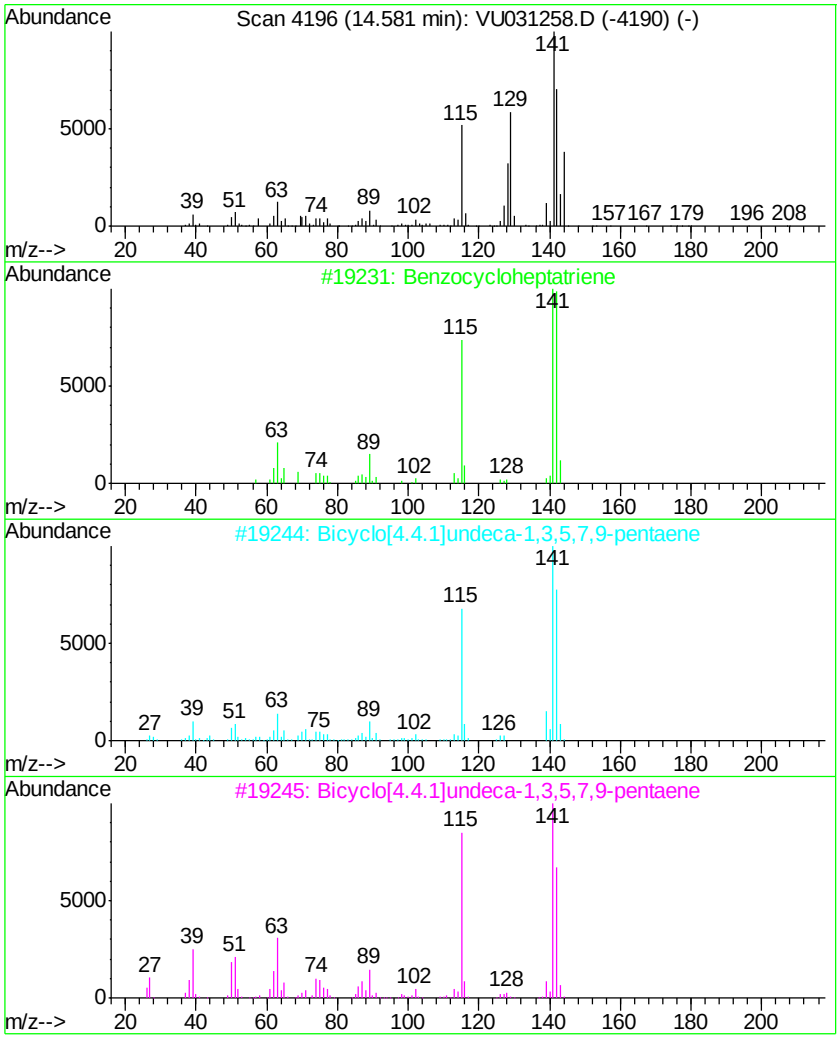
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

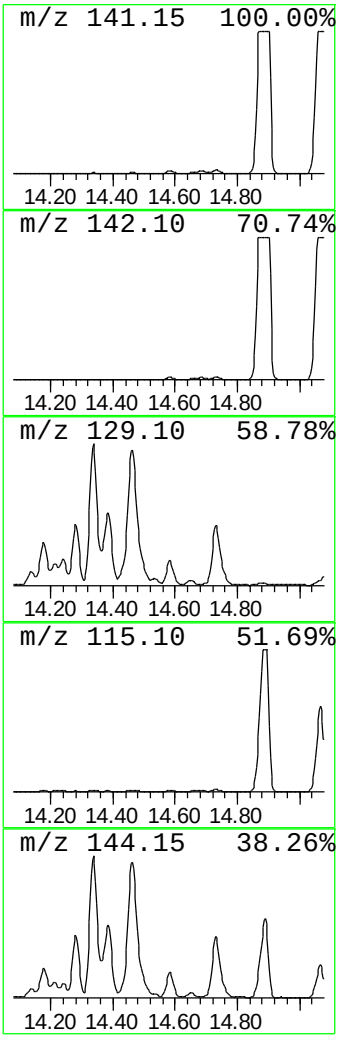
****

Peak Number 38 Benzocycloheptatriene Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.58	40.85 ug/L	1492960	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzocycloheptatriene	142	C11H10	000264-09-5	78
2	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	78
3	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	78
4	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	70
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	60





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041719\
Data File : VU031258.D
Acq On : 17 Apr 2019 14:33
Operator : JC/SP
Sample : K2402-10 10X
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHJ0

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

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

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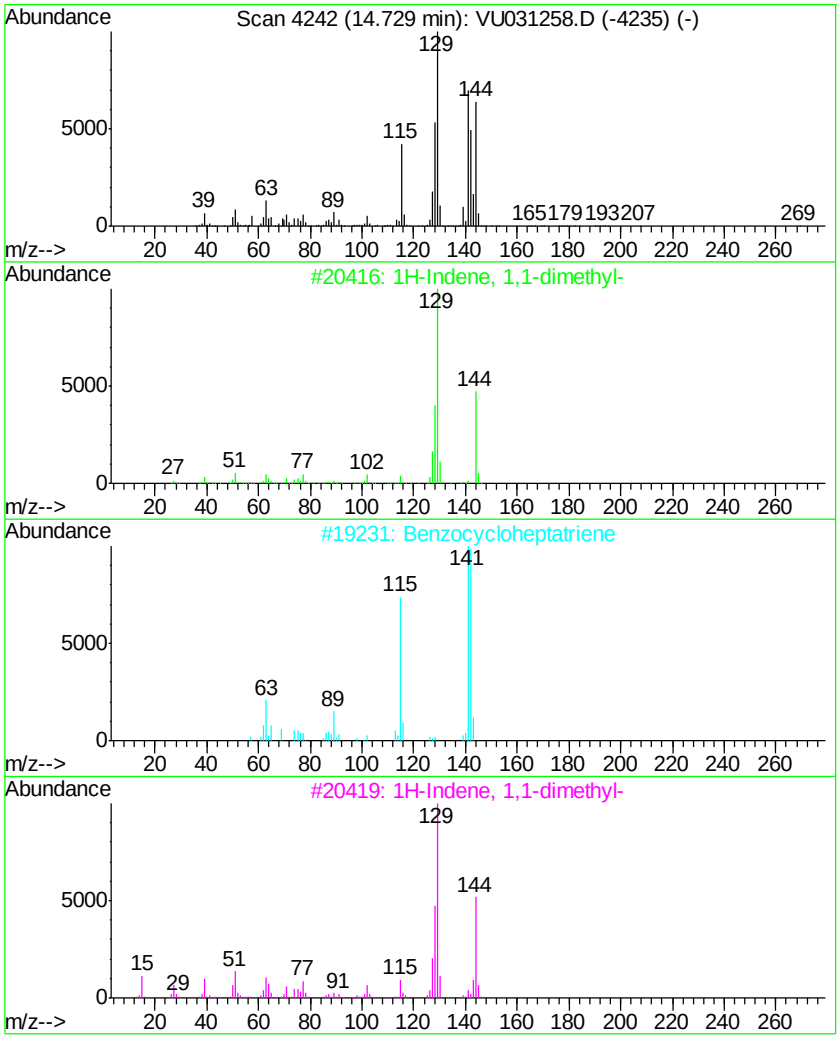
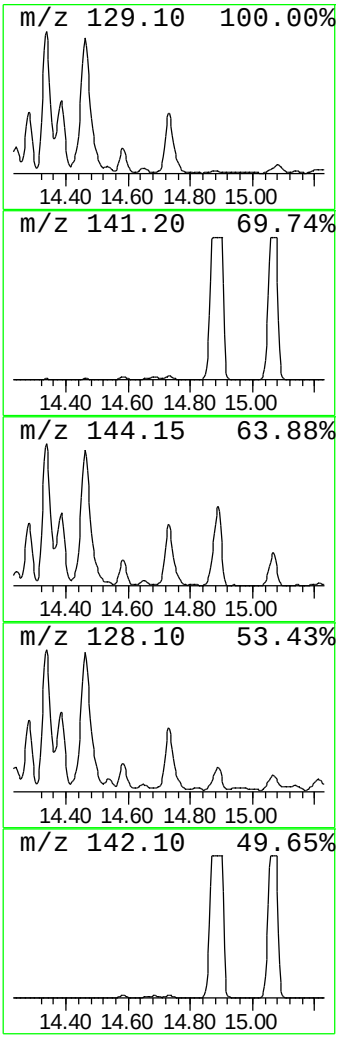
Peak Number 39 1H-Indene, 1,1-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	79.19 ug/L	2893930	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	87
2	Benzocycloheptatriene	142	C11H10	000264-09-5	80
3	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	78
4	1H-Cyclopropa[b]naphthalene, 1a,...	144	C11H12	006571-72-8	64
5	(1-Methylbuta-1,3-dienyl)benzene	144	C11H12	054758-36-0	60





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041719\
Data File : VU031258.D
Acq On : 17 Apr 2019 14:33
Operator : JC/SP
Sample : K2402-10 10X
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHJ0

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

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

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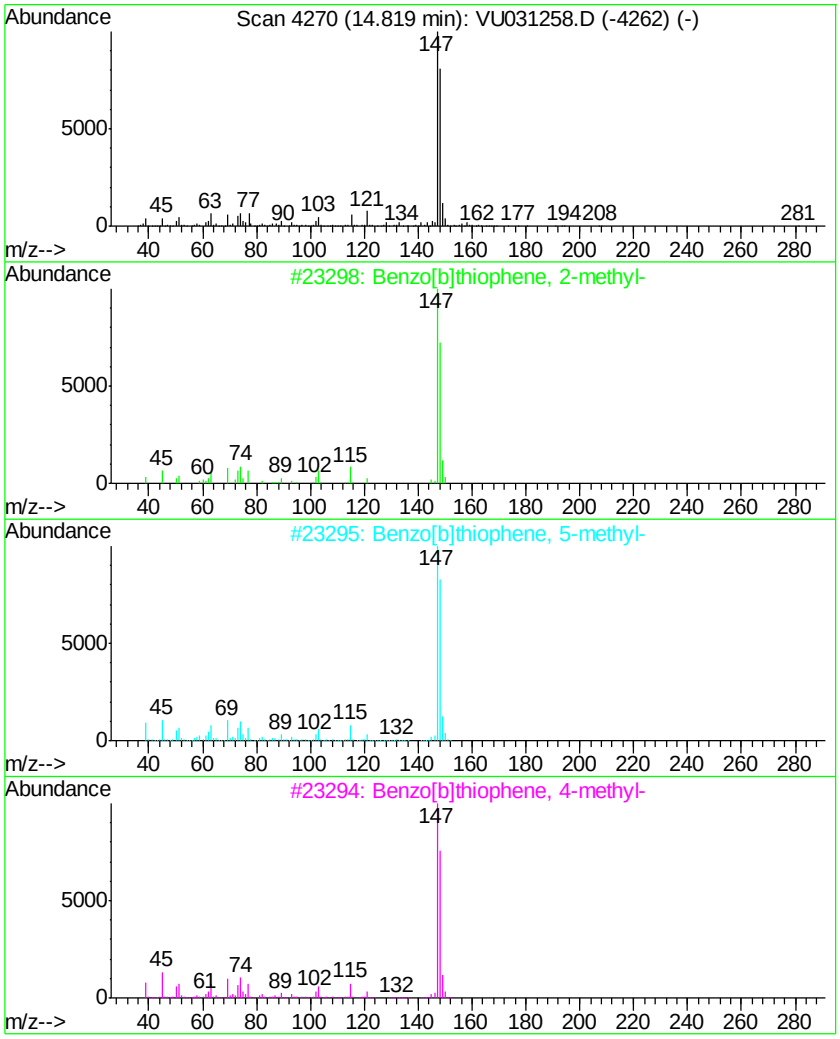
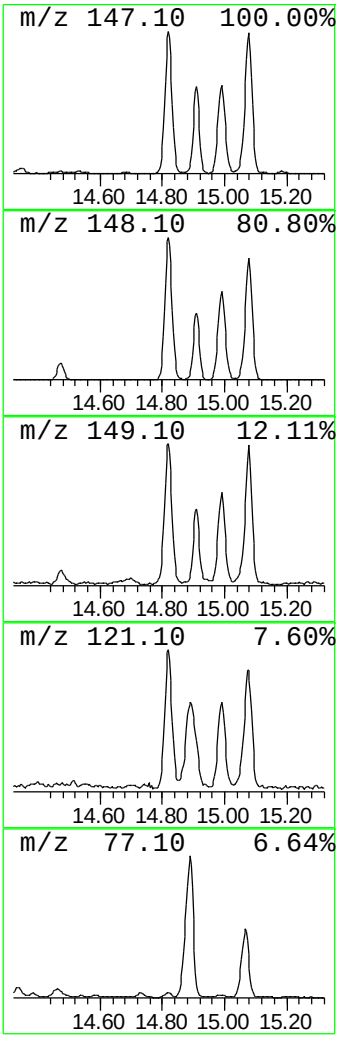
Peak Number 40 Benzo[b]thiophene, 2-methyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	30.70 ug/L	1121940	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	91
2	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	91
3	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	91
4	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	91
5	3-Methylbenzothiophene	148	C9H8S	001455-18-1	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041719\
Data File : VU031258.D
Acq On : 17 Apr 2019 14:33
Operator : JC/SP
Sample : K2402-10 10X
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHJ0

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

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

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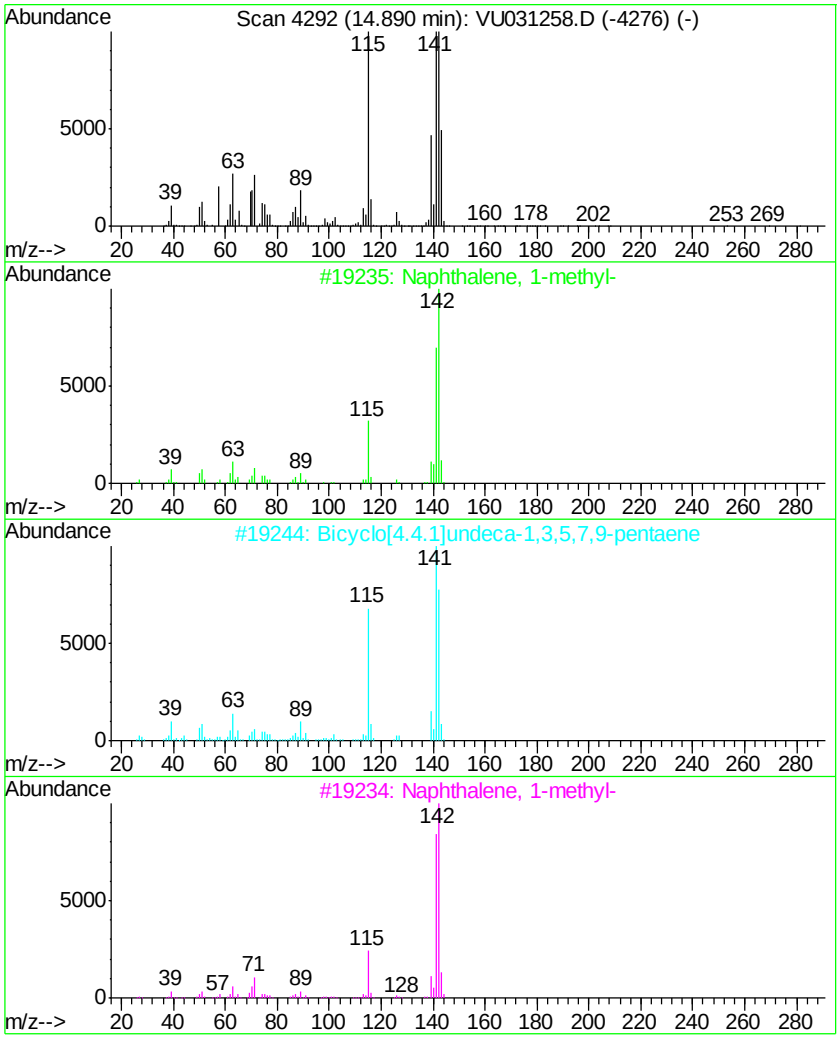
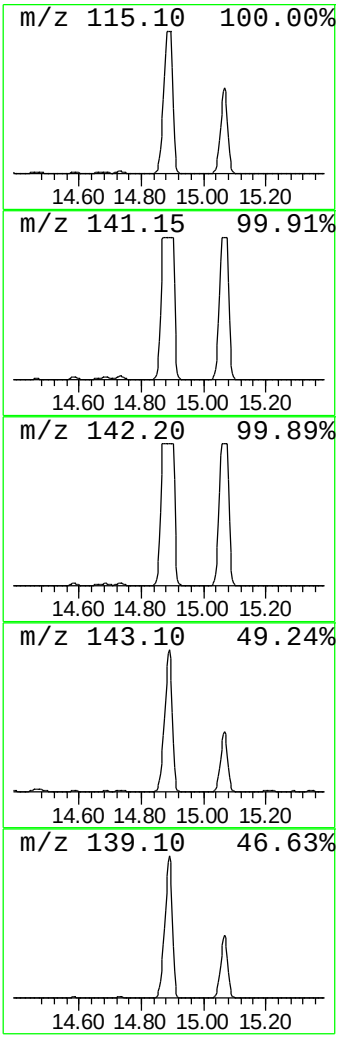
Peak Number 41 Bicyclo[4.4.1]undeca-1,3,5,... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.89	4432.61 ug/L	161987000	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
2	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	95
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
4	Benzocycloheptatriene	142	C11H10	000264-09-5	93
5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041719\
Data File : VU031258.D
Acq On : 17 Apr 2019 14:33
Operator : JC/SP
Sample : K2402-10 10X
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHJ0

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

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

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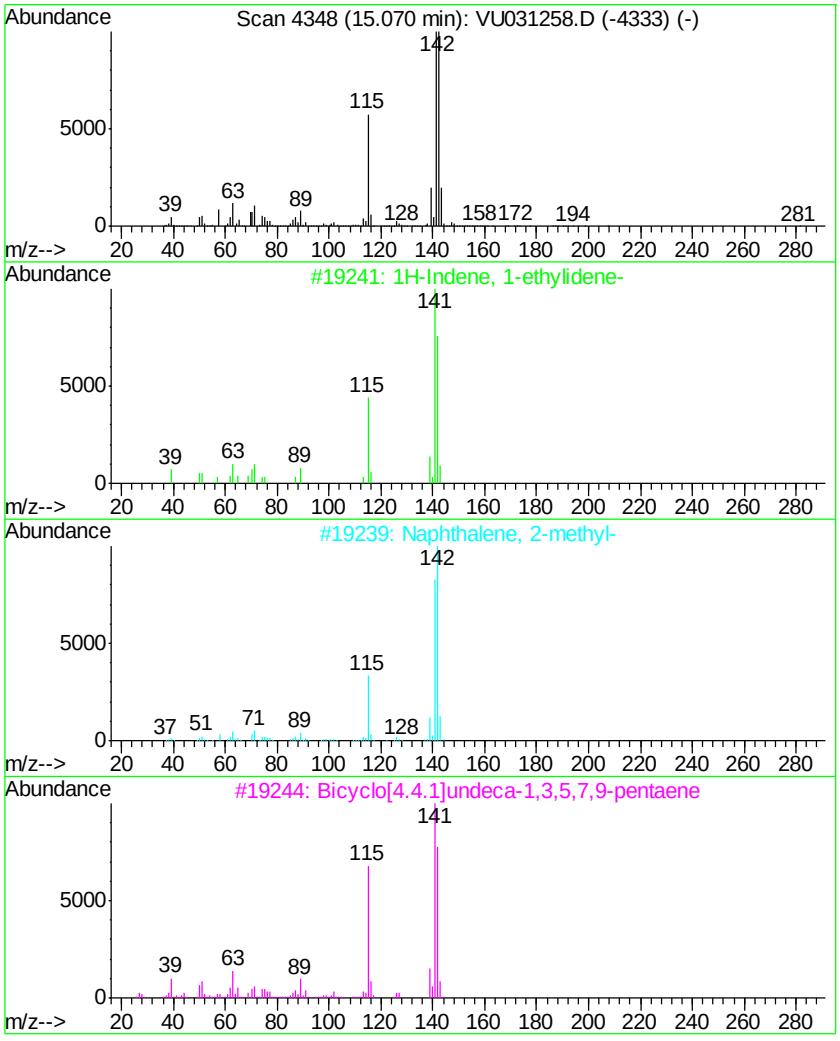
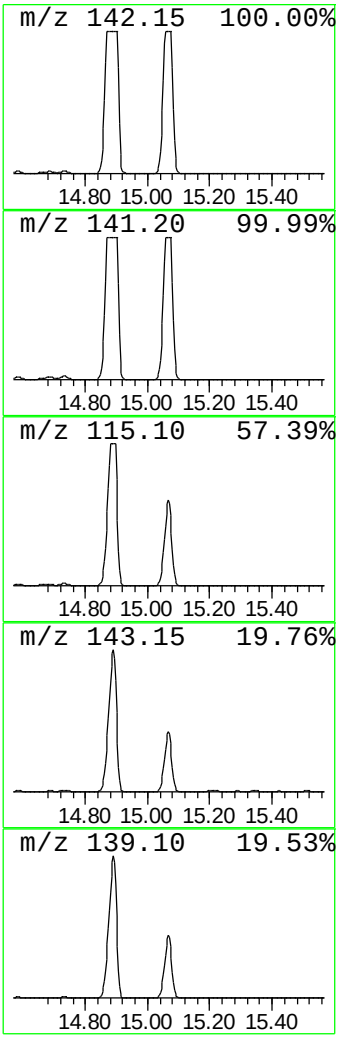
Peak Number 42 1H-Indene, 1-ethylidene- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	2203.50 ug/L	80525700	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	94
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
3	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	90
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	90
5	Benzocycloheptatriene	142	C11H10	000264-09-5	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041719\
Data File : VU031258.D
Acq On : 17 Apr 2019 14:33
Operator : JC/SP
Sample : K2402-10 10X
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHJ0

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

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

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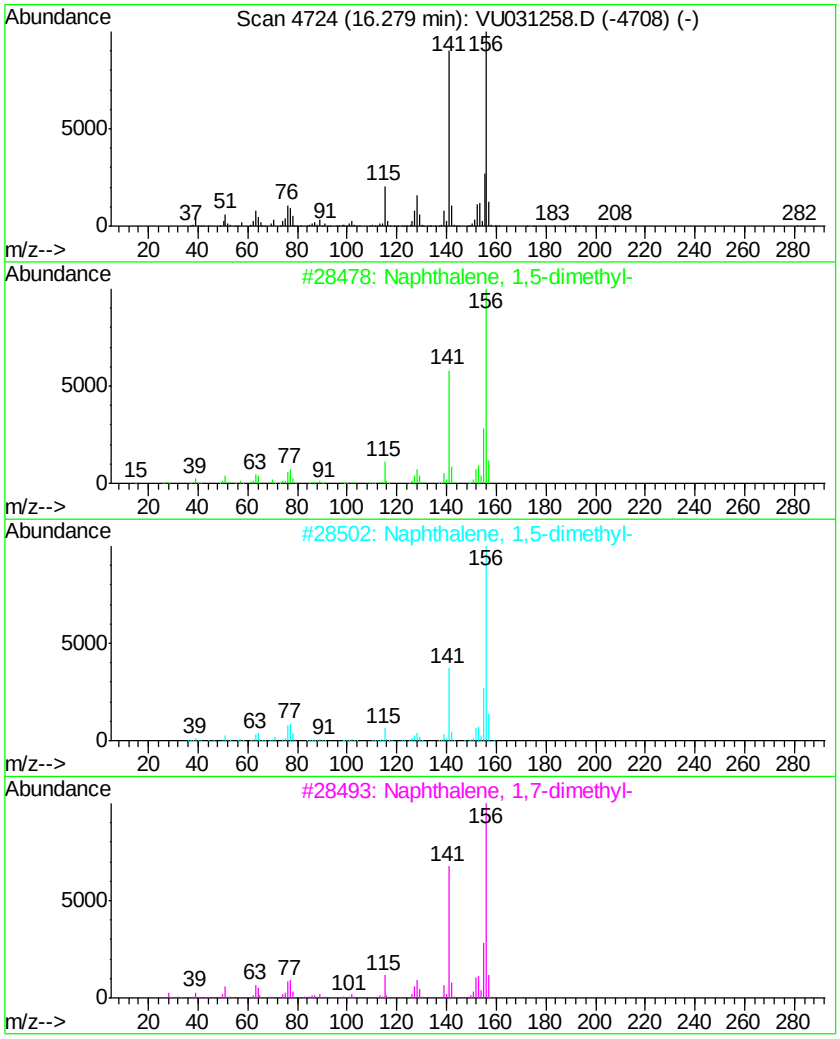
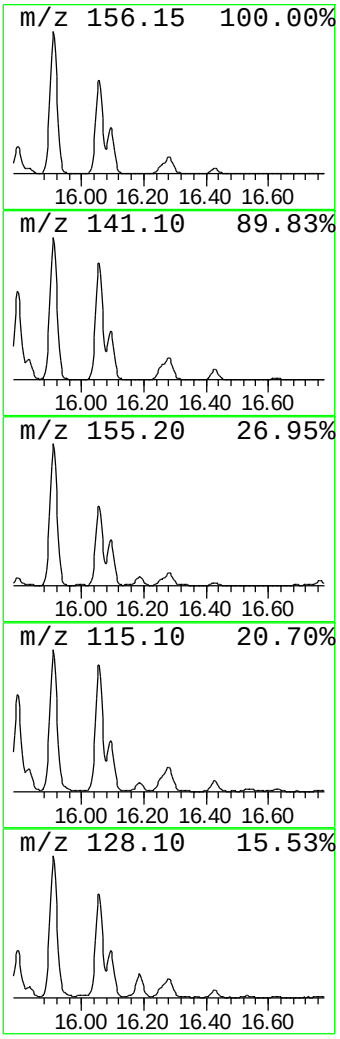
Peak Number 49 Naphthalene, 1,5-dimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.28	80.53 ug/L	2942900	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041719\
Data File : VU031258.D
Acq On : 17 Apr 2019 14:33
Operator : JC/SP
Sample : K2402-10 10X
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHJ0

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	1.94	3.6	ug/L	101487	1	5.88	1393770	50.0
(DEL) Alkane: Str...	2.74	6.7	ug/L	185250	1	5.88	1393770	50.0
(DEL) Alkane: Str...	2.99	4.7	ug/L	129891	1	5.88	1393770	50.0
(DEL) Alkane: Str...	3.30	7.3	ug/L	203777	1	5.88	1393770	50.0
(DEL) Alkane: Cyc...	4.09	3.2	ug/L	88619	1	5.88	1393770	50.0
Benzene, propyl-	10.58	16.1	ug/L	586993	3	11.48	1827220	50.0
Benzene, 1-ethyl-...	10.68	304.1	ug/L	11112800	3	11.48	1827220	50.0
Mesitylene	10.77	112.3	ug/L	4105770	3	11.48	1827220	50.0
Benzene, 1-etheny...	11.21	381.3	ug/L	13933300	3	11.48	1827220	50.0
Benzene, 1-etheny...	11.26	125.0	ug/L	4568010	3	11.48	1827220	50.0
Benzene, 1,2,3-tr...	11.57	98.1	ug/L	3583830	3	11.48	1827220	50.0
Benzene, 1-propenyl-	11.62	58.7	ug/L	2146020	3	11.48	1827220	50.0
Benzene, cyclopro...	11.76	48.6	ug/L	1777590	3	11.48	1827220	50.0
Indene	11.98	813.2	ug/L	29718200	3	11.48	1827220	50.0
Benzene, 4-ethyl-...	12.14	21.1	ug/L	770383	3	11.48	1827220	50.0
Benzene, 1-methyl...	12.22	40.1	ug/L	1465510	3	11.48	1827220	50.0
Benzene, 1-etheny...	12.30	61.1	ug/L	2234580	3	11.48	1827220	50.0
Benzene, 2-etheny...	12.42	186.6	ug/L	6819270	3	11.48	1827220	50.0
Benzene, 2-etheny...	12.48	52.9	ug/L	1933140	3	11.48	1827220	50.0
Benzene, 2-ethyl-...	12.55	6.5	ug/L	236571	3	11.48	1827220	50.0
Benzene, 1,2,3,4-...	12.70	131.8	ug/L	4814620	3	11.48	1827220	50.0
Bicyclo[4.2.0]oct...	12.82	140.4	ug/L	5130720	3	11.48	1827220	50.0
1H-Indene, 2,3-di...	12.96	29.3	ug/L	1072060	3	11.48	1827220	50.0
2-Methylindene	13.29	629.8	ug/L	23014000	3	11.48	1827220	50.0
Cycloprop[a]inden...	13.38	81.1	ug/L	2962540	3	11.48	1827220	50.0
Benzo[c]thiophene	13.86	71.3	ug/L	2604180	3	11.48	1827220	50.0
(DEL) Alkane: Str...	14.14	30.9	ug/L	1130120	3	11.48	1827220	50.0
1H-Indene, 1,3-di...	14.28	39.0	ug/L	1423490	3	11.48	1827220	50.0
1H-Indene, 4,7-di...	14.46	125.5	ug/L	4585600	3	11.48	1827220	50.0
Benzocycloheptatr...	14.58	40.9	ug/L	1492960	3	11.48	1827220	50.0
1H-Indene, 1,1-di...	14.73	79.2	ug/L	2893930	3	11.48	1827220	50.0
Benzo[b]thiophene...	14.82	30.7	ug/L	1121940	3	11.48	1827220	50.0
Bicyclo[4.4.1]und...	14.89	4432.6	ug/L	161987000	3	11.48	1827220	50.0
1H-Indene, 1-ethy...	15.07	2203.5	ug/L	80525700	3	11.48	1827220	50.0
Naphthalene, 1,5-...	16.28	80.5	ug/L	2942900	3	11.48	1827220	50.0