LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031708.D
Acq On : 02 May 2019 13:35
Operator : JC/SP
Sample : K2633-19 50X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB1

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	88	95	109	rVB	301846	327728	0.40%	0.148%
2	1.679	175	183	197	rBV	276482	362454	0.45%	0.164%
3	1.752	200	206	219	rVB3	33402	51245	0.06%	0.023%
4	1.939	257	264	274	rVB3	24364	33551	0.04%	0.015%
5	2.267	355	366	381	rVV	587033	906383	1.11%	0.410%
6	2.740	506	513	523	rVV3	35320	65595	0.08%	0.030%
7	2.990	579	591	603	rVV3	24866	47788	0.06%	0.022%
8	3.299	673	687	703	rBV3	31263	71049	0.09%	0.032%
9	3.987	887	901	917	rBV3	18773	46879	0.06%	0.021%
10	4.090	917	933	950	rBV3	36554	97196	0.12%	0.044%
11	4.186	950	963	1014	rBV	368664	1165844	1.43%	0.527%
12	4.643	1087	1105	1128	rBV	526646	1246928	1.53%	0.563%
13	4.987	1195	1212	1225	rBV4	47281	118347	0.15%	0.053%
14	5.074	1225	1239	1262	rVB2	47785	126556	0.16%	0.057%
15	5.215	1266	1283	1297	rBV3	31794	80495	0.10%	0.036%
16	5.334	1298	1320	1331	rBV2	1043715	3113087	3.83%	1.407%
17	5.530	1371	1381	1397	rVB2	60520	153593	0.19%	0.069%
18	5.620	1398	1409	1422	rVB6	19541	43077	0.05%	0.019%
19	5.881	1475	1490	1534	rBV	1187882	2494078	3.07%	1.127%
20	6.177	1571	1582	1602	rBV	13990	45595	0.06%	0.021%
21	6.325	1613	1628	1645	rBV	741610	1511959	1.86%	0.683%
22	6.408	1647	1654	1666	rVB4	54302	111470	0.14%	0.050%
23	6.919	1795	1813	1828	rVB4	23704	61371	0.08%	0.028%
24	7.225	1898	1908	1934	rVV	402098	760097	0.93%	0.343%
25	7.563	1989	2013	2025	rBV	1287220	2339417	2.88%	1.057%
26	7.633	2025	2035	2062	rVB	601533	1156953	1.42%	0.523%
27	7.849	2088	2102	2117	rBV2	269395	491103	0.60%	0.222%
28	8.312	2233	2246	2278	rBV	1386388	2572505	3.16%	1.162%
29	9.087	2474	2487	2525	rVB	1705967	2987630	3.67%	1.350%
30	9.247	2525	2537	2560	rBV	292345	518627	0.64%	0.234%
31	9.370	2562	2575	2593	rBV	2281604	3887848	4.78%	1.757%
32	9.784	2690	2704	2741	rVV3	2371116	4700504	5.78%	2.124%
33	10.164	2813	2822	2830	rBV3	17395	31560	0.04%	0.014%
34	10.427	2892	2904	2920	rBV	1101643	1776826	2.19%	0.803%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
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Acq On : 02 May 2019 13:35
Operator : JC/SP
Sample : K2633-19 50X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB1

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	10.508	2922	2929	2942	rVB2	53869	96126	0.12%	0.043%
36	10.585	2943	2953	2965	rBV	91057	147653	0.18%	0.067%
37	10.678	2970	2982	2998	rBV	370569	824529	1.01%	0.373%
38	10.768	2999	3010	3019	rBV	496160	776966	0.96%	0.351%
39	10.971	3063	3073	3074	rBV	138154	160384	0.20%	0.072%
40	10.993	3075	3080	3095	rVB2	218187	353784	0.44%	0.160%
41	11.144	3110	3127	3138	rBV	1633129	2665857	3.28%	1.205%
42	11.212	3138	3148	3157	rVV	1737522	2656815	3.27%	1.201%
43	11.260	3157	3163	3177	rVB	638575	996999	1.23%	0.451%
44	11.321	3178	3182	3195	rVB	25107	42496	0.05%	0.019%
45	11.402	3198	3207	3211	rBV5	31767	53674	0.07%	0.024%
46	11.479	3220	3231	3249	rBV	1829006	2870755	3.53%	1.297%
47	11.566	3249	3258	3268	rVV	542068	829433	1.02%	0.375%
48	11.623	3268	3276	3294	rVB	392602	621323	0.76%	0.281%
49	11.762	3308	3319	3328	rBV2	372347	629549	0.77%	0.284%
50	11.807	3328	3333	3338	rVV	74575	100483	0.12%	0.045%
51	11.855	3338	3348	3366	rVB	1498558	2554260	3.14%	1.154%
52	11.977	3374	3386	3407	rBV	8948966	13892863	17.09%	6.278%
53	12.144	3429	3438	3441	rBV2	70951	102272	0.13%	0.046%
54	12.222	3454	3462	3465	rBV2	115362	160860	0.20%	0.073%
55	12.302	3478	3487	3498	rVB2	101068	196275	0.24%	0.089%
56	12.424	3514	3525	3535	rVB	435630	672374	0.83%	0.304%
57	12.482	3535	3543	3556	rVB3	118886	182401	0.22%	0.082%
58	12.646	3587	3594	3602	rVB	121590	172718	0.21%	0.078%
59	12.701	3602	3611	3624	rBV2	336132	682287	0.84%	0.308%
60	12.820	3639	3648	3659	rBV	320435	568362	0.70%	0.257%
61	12.961	3684	3692	3704	rVB	116214	176899	0.22%	0.080%
62	13.080	3722	3729	3732	rBV4	62716	78154	0.10%	0.035%
63	13.115	3732	3740	3750	rVV3	476232	760327	0.94%	0.344%
64	13.180	3750	3760	3774	rVB	1866138	2853297	3.51%	1.289%
65	13.286	3781	3793	3809	rVB	2072227	3407927	4.19%	1.540%
66	13.385	3811	3824	3840	rVV2	299516	549587	0.68%	0.248%
67	13.504	3856	3861	3867	rBV4	26468	31069	0.04%	0.014%
68	13.633	3896	3901	3907	rBV2	24804	33552	0.04%	0.015%
69	13.739	3918	3934	3960	rBV2	47024590	81304899	100.00%	36.741%
70	13.855	3962	3970	3992	rVB	504327	899485	1.11%	0.406%
71	14.099	4041	4046	4051	rBV5	34016	41840	0.05%	0.019%

LSC Area Percent Report

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Acq On : 02 May 2019 13:35
Operator : JC/SP
Sample : K2633-19 50X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB1

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	14.138	4051	4058	4064	rBV3	107977	147598	0.18%	0.067%
73	14.238	4085	4089	4096	rVB3	79101	93946	0.12%	0.042%
74	14.279	4096	4102	4110	rVB2	109426	154612	0.19%	0.070%
75	14.334	4110	4119	4128	rBV	234232	414411	0.51%	0.187%
76	14.463	4144	4159	4175	rBV2	201857	505210	0.62%	0.228%
77	14.585	4189	4197	4209	rVB	92331	149690	0.18%	0.068%
78	14.726	4234	4241	4258	rVB2	167769	314238	0.39%	0.142%
79	14.816	4261	4269	4274	rVV	133932	198670	0.24%	0.090%
80	14.871	4274	4286	4312	rVV	15579804	24434683	30.05%	11.042%
81	14.983	4316	4321	4331	rVV2	98049	165225	0.20%	0.075%
82	15.057	4331	4344	4365	rVV	9098480	14342695	17.64%	6.481%
83	15.601	4502	4513	4525	rBV	1627817	2505200	3.08%	1.132%
84	15.794	4566	4573	4580	rBV	313082	421768	0.52%	0.191%
85	15.909	4597	4609	4626	rBV	1892352	3358107	4.13%	1.517%
86	16.054	4643	4654	4661	rBV	2523795	4038508	4.97%	1.825%
87	16.093	4661	4666	4679	rVB	1291859	1889293	2.32%	0.854%
88	16.186	4685	4695	4707	rBV	877473	1399693	1.72%	0.633%
89	16.279	4707	4724	4747	rVB	714667	1863698	2.29%	0.842%
90	16.427	4760	4770	4786	rBV	419143	708282	0.87%	0.320%
91	16.517	4787	4798	4818	rBV2	2019213	3710709	4.56%	1.677%
92	16.630	4825	4833	4844	rVB3	212301	349397	0.43%	0.158%
93	16.733	4855	4865	4872	rBV	315276	537427	0.66%	0.243%
94	16.868	4901	4907	4914	rVB2	47997	68886	0.08%	0.031%
95	16.967	4932	4938	4945	rVV	200904	260867	0.32%	0.118%
96	17.016	4945	4953	4977	rVB3	304877	762724	0.94%	0.345%
97	17.163	4990	4999	5009	rVV2	361245	573720	0.71%	0.259%
98	17.225	5010	5018	5029	rVB2	231759	355213	0.44%	0.161%
99	17.360	5045	5060	5071	rBV4	167855	443067	0.54%	0.200%
100	17.530	5101	5113	5125	rBV2	228002	471881	0.58%	0.213%

Sum of corrected areas: 221293290

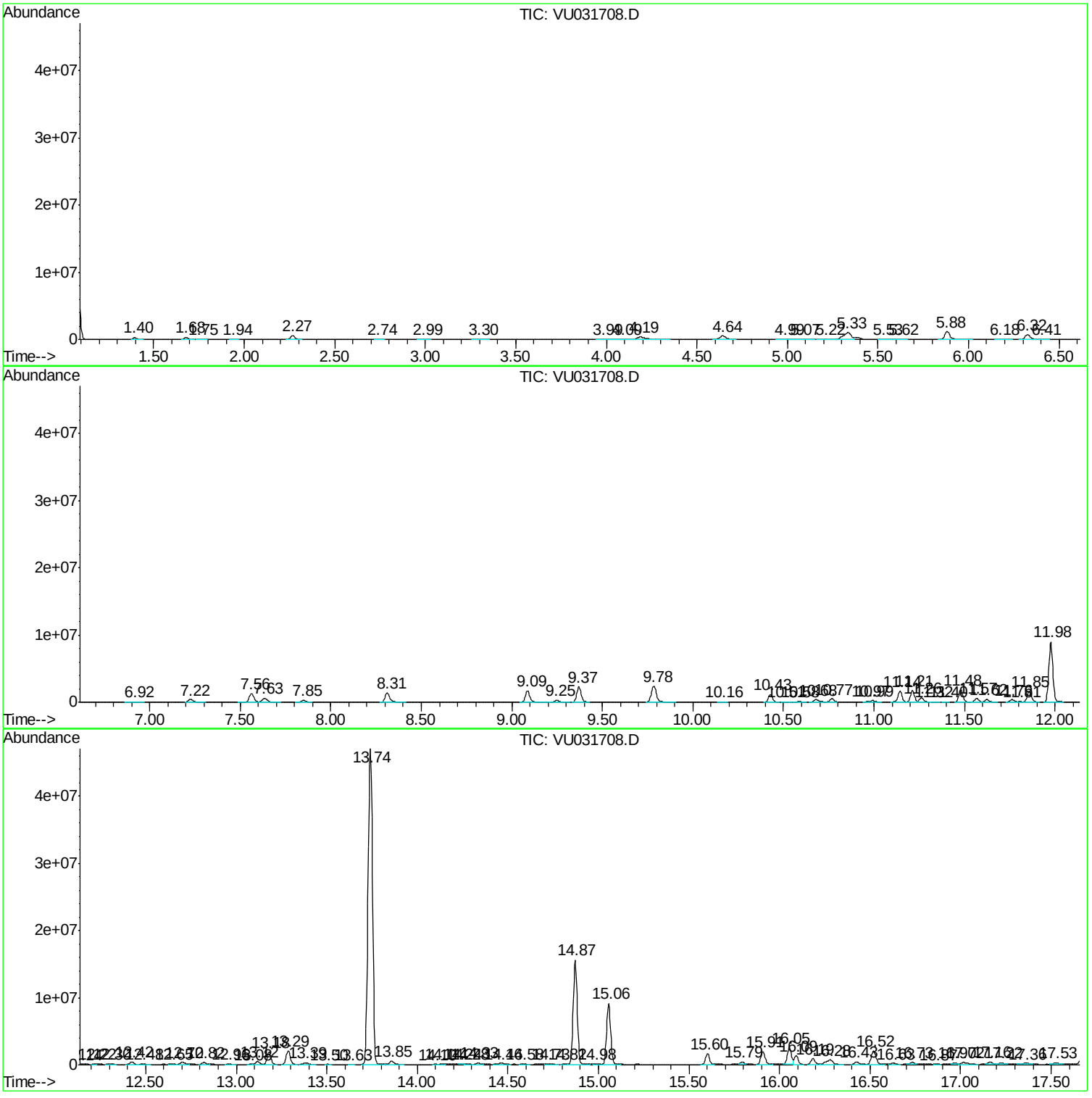
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031708.D
Acq On : 02 May 2019 13:35
Operator : JC/SP
Sample : K2633-19 50X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB1

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 : VU031708.D
Acq On : 02 May 2019 13:35
Operator : JC/SP
Sample : K2633-19 50X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB1

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

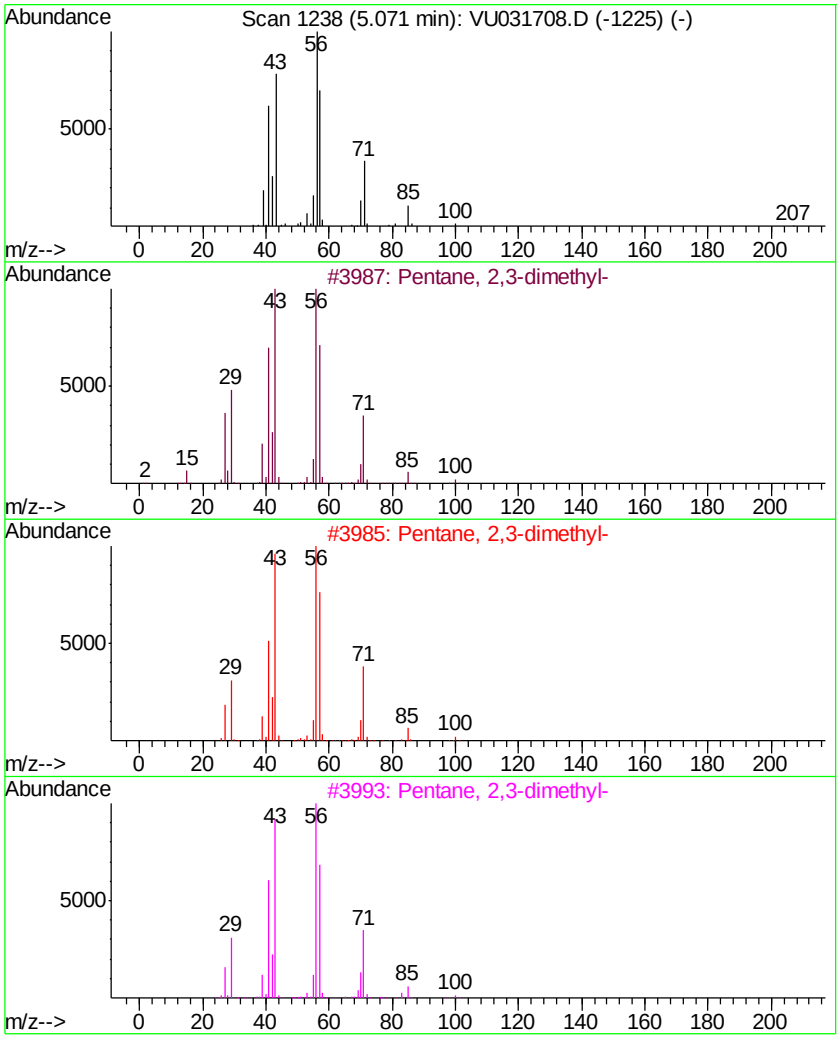
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

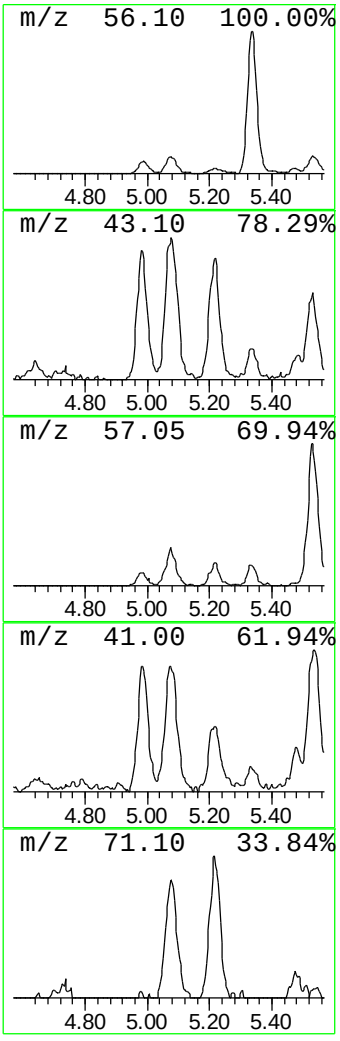
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	2.54 ug/L	126556	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	90
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	87
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	87
5	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031708.D
Acq On : 02 May 2019 13:35
Operator : JC/SP
Sample : K2633-19 50X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB1

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

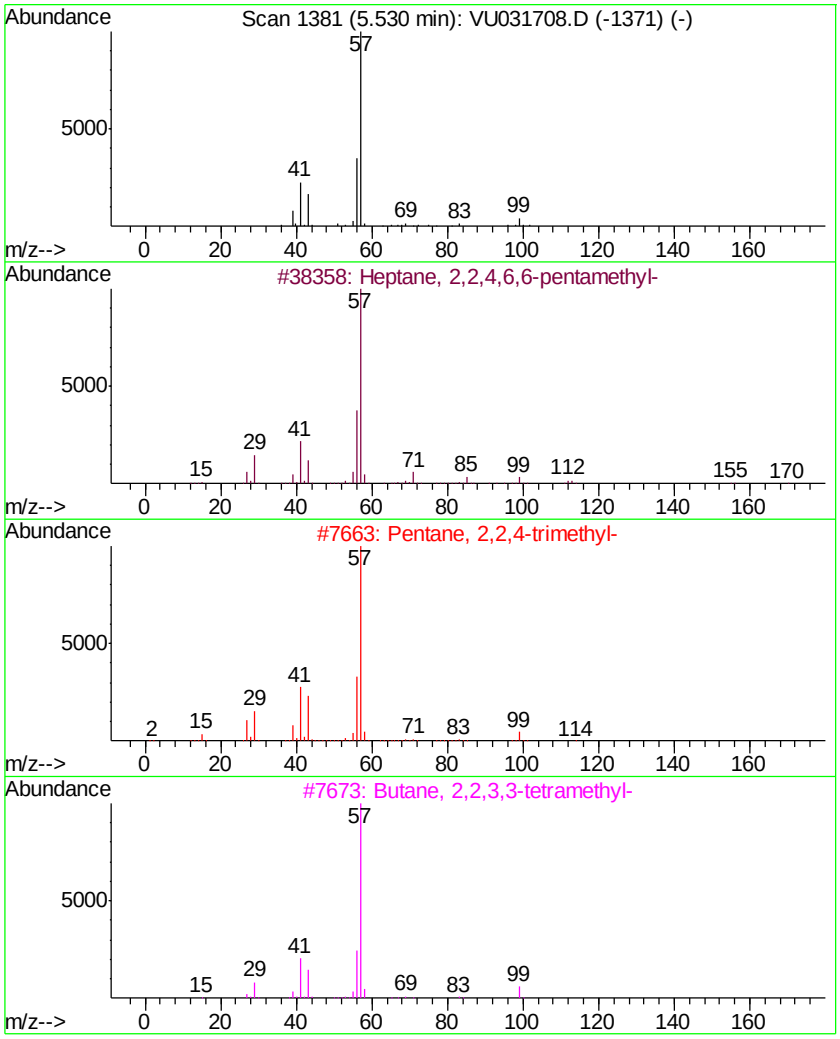
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

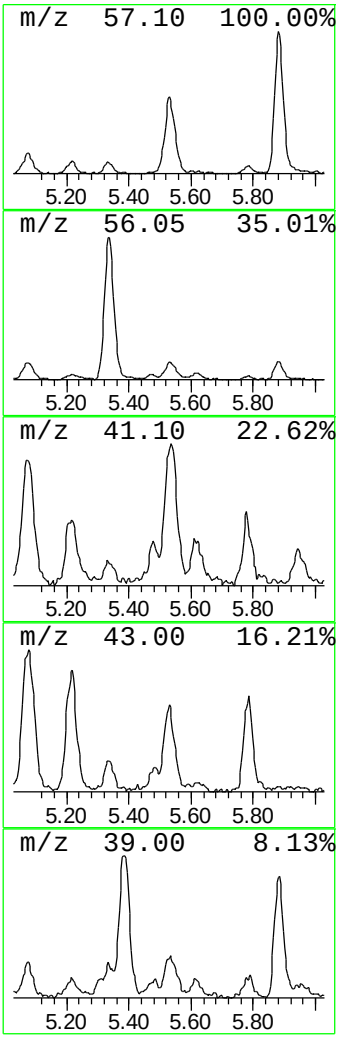
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	3.08 ug/L	153593	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	38
2	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	36
3	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	36
4	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	33
5	Acetamide, N-2-propenyl-	99	C5H9NO	000692-33-1	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031708.D
Acq On : 02 May 2019 13:35
Operator : JC/SP
Sample : K2633-19 50X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB1

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

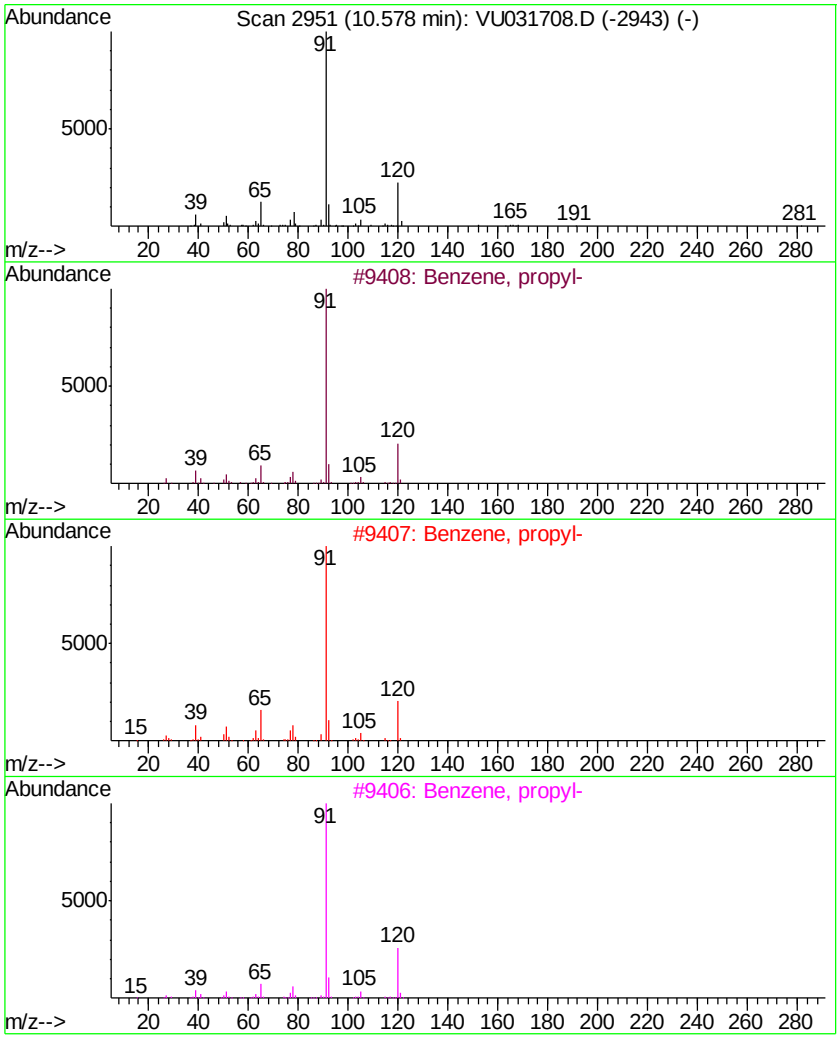
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

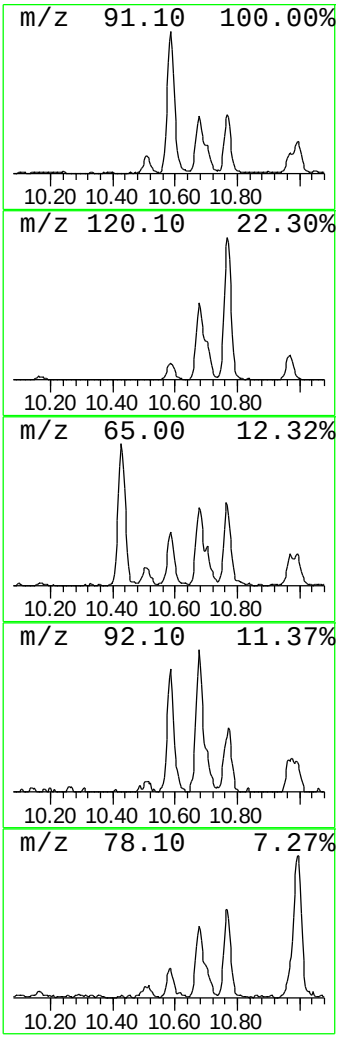
****

Peak Number 4 Benzene, propyl- Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	2.57 ug/L	147653	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	86
4	Benzene, (4-bromobutyl)-	212	C10H13Br	013633-25-5	50
5	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031708.D
Acq On : 02 May 2019 13:35
Operator : JC/SP
Sample : K2633-19 50X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB1

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

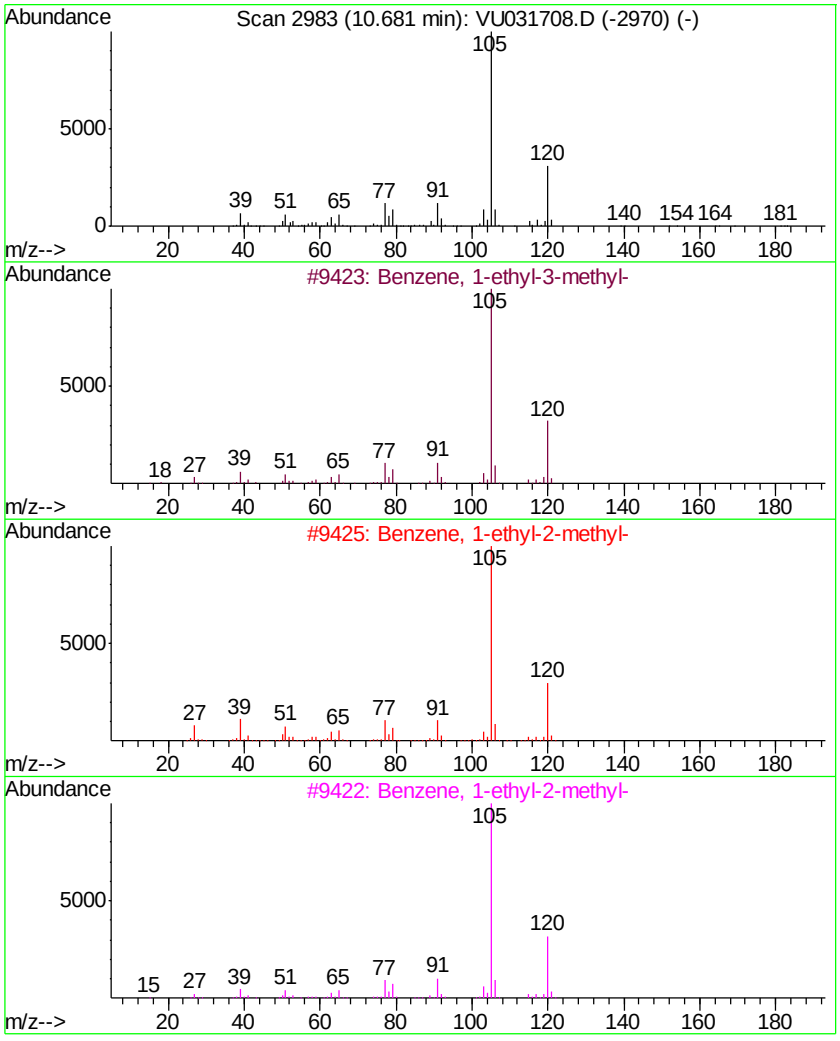
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

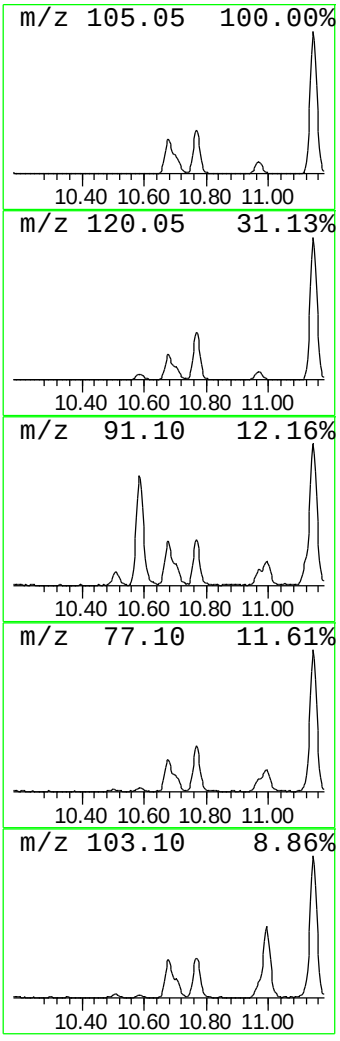
****

Peak Number 5 Benzene, 1-ethyl-3-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	14.36 ug/L	824529	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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031708.D
Acq On : 02 May 2019 13:35
Operator : JC/SP
Sample : K2633-19 50X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB1

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

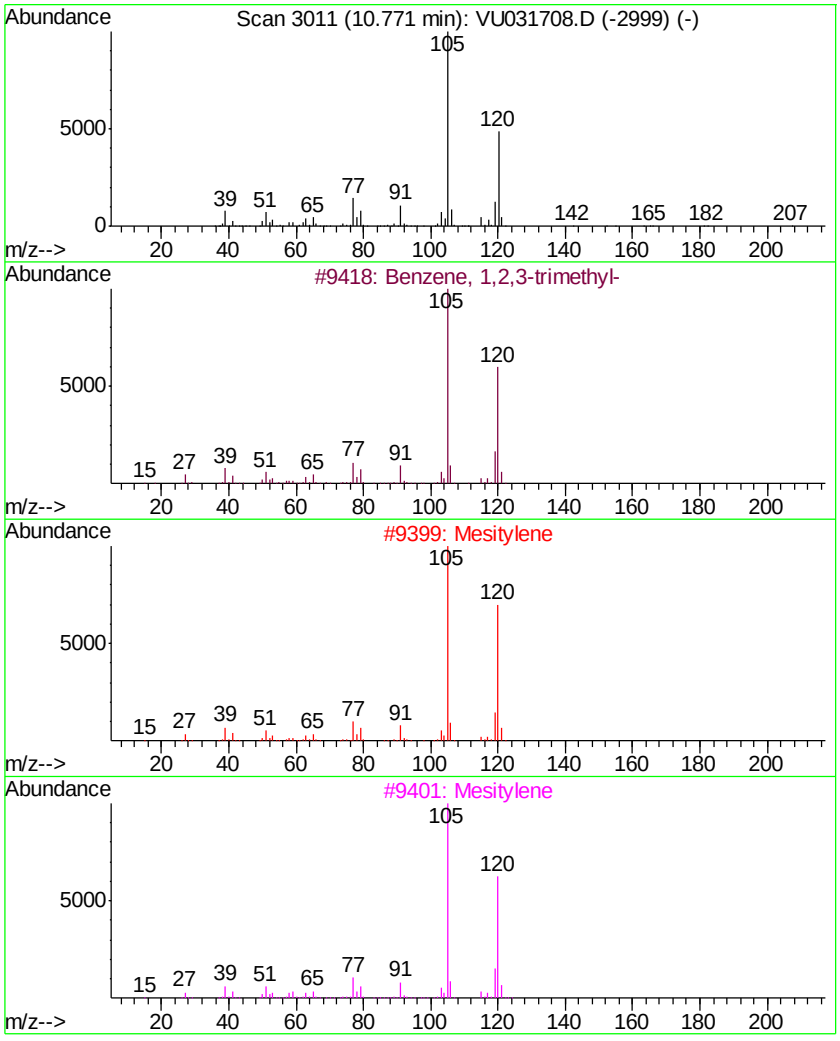
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

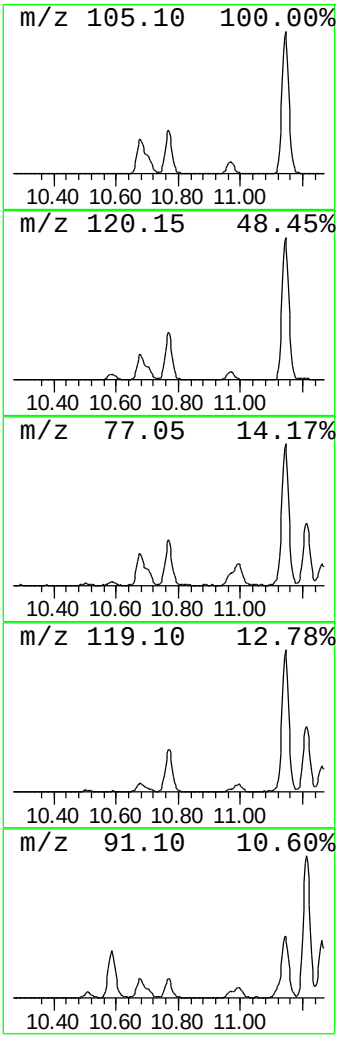
****

Peak Number 6 Benzene, 1,2,3-trimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	13.53 ug/L	776966	1,4-Dichlorobenzene-d4	11.48

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031708.D
Acq On : 02 May 2019 13:35
Operator : JC/SP
Sample : K2633-19 50X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB1

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

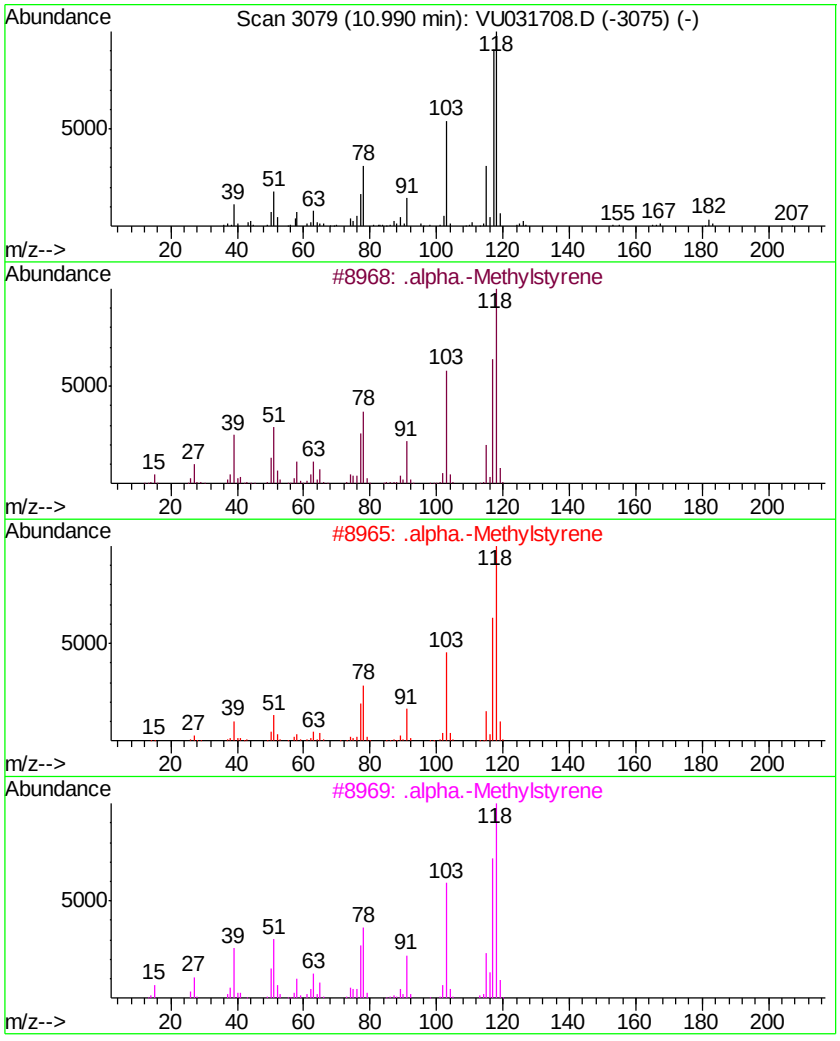
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

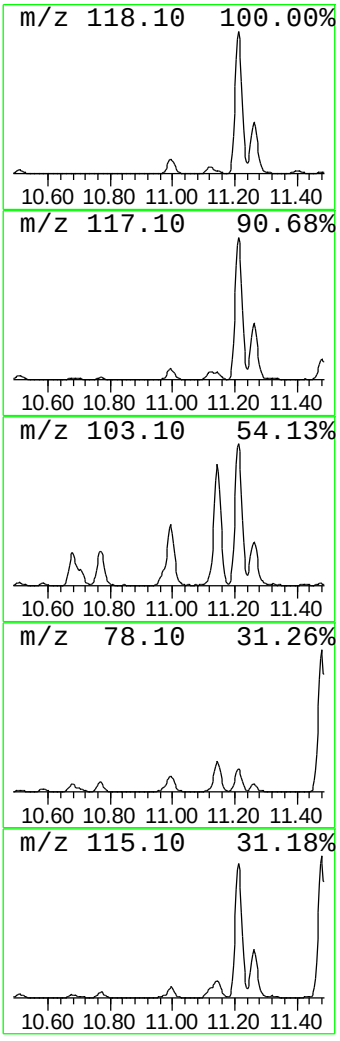
****

Peak Number 8 .alpha.-Methylstyrene Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.99	6.16 ug/L	353784	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Methylstyrene	118	C9H10	000098-83-9	87
2	.alpha.-Methylstyrene	118	C9H10	000098-83-9	76
3	.alpha.-Methylstyrene	118	C9H10	000098-83-9	74
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	022250-74-4	53
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031708.D
Acq On : 02 May 2019 13:35
Operator : JC/SP
Sample : K2633-19 50X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB1

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

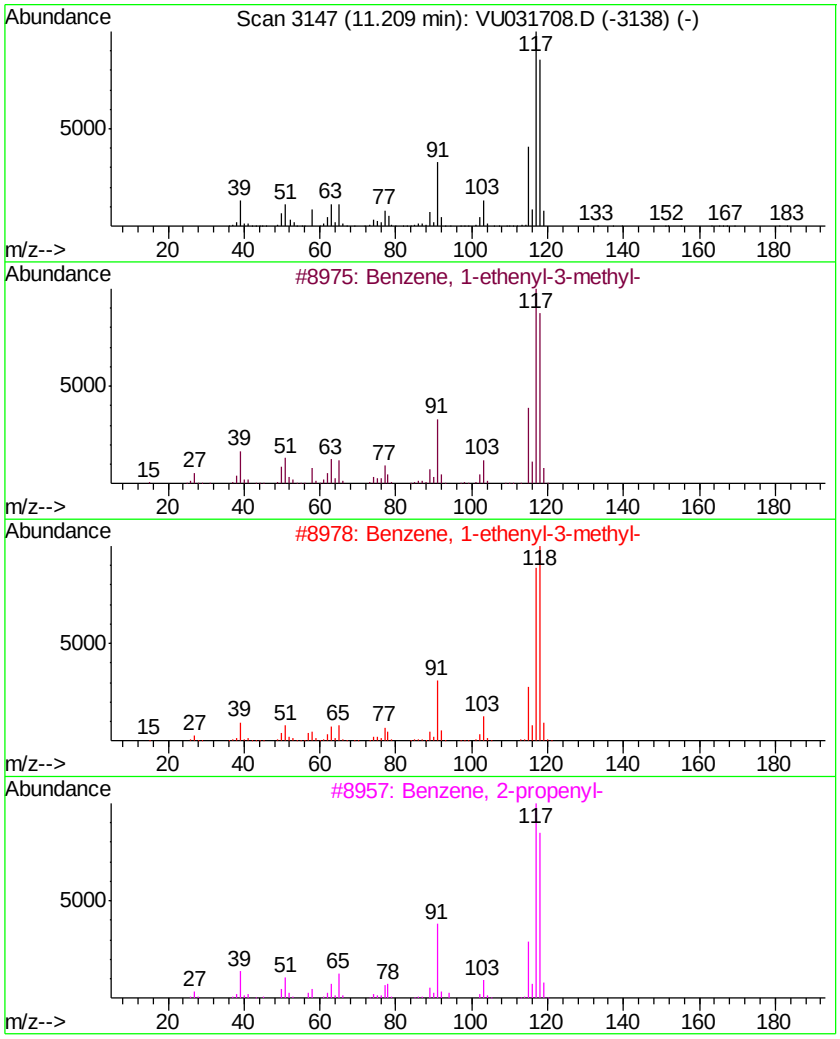
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

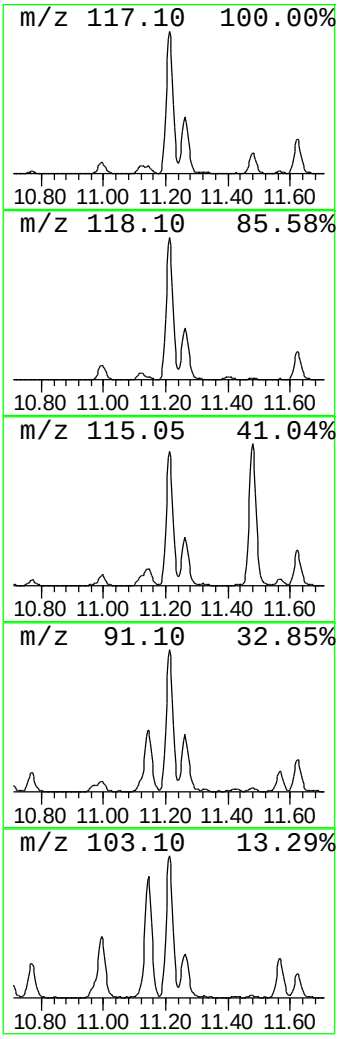
****

Peak Number 10 Benzene, 1-ethenyl-3-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	46.27 ug/L	2656820	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, 2-propenyl-	118	C9H10	000300-57-2	95
4	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	95
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031708.D
Acq On : 02 May 2019 13:35
Operator : JC/SP
Sample : K2633-19 50X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB1

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

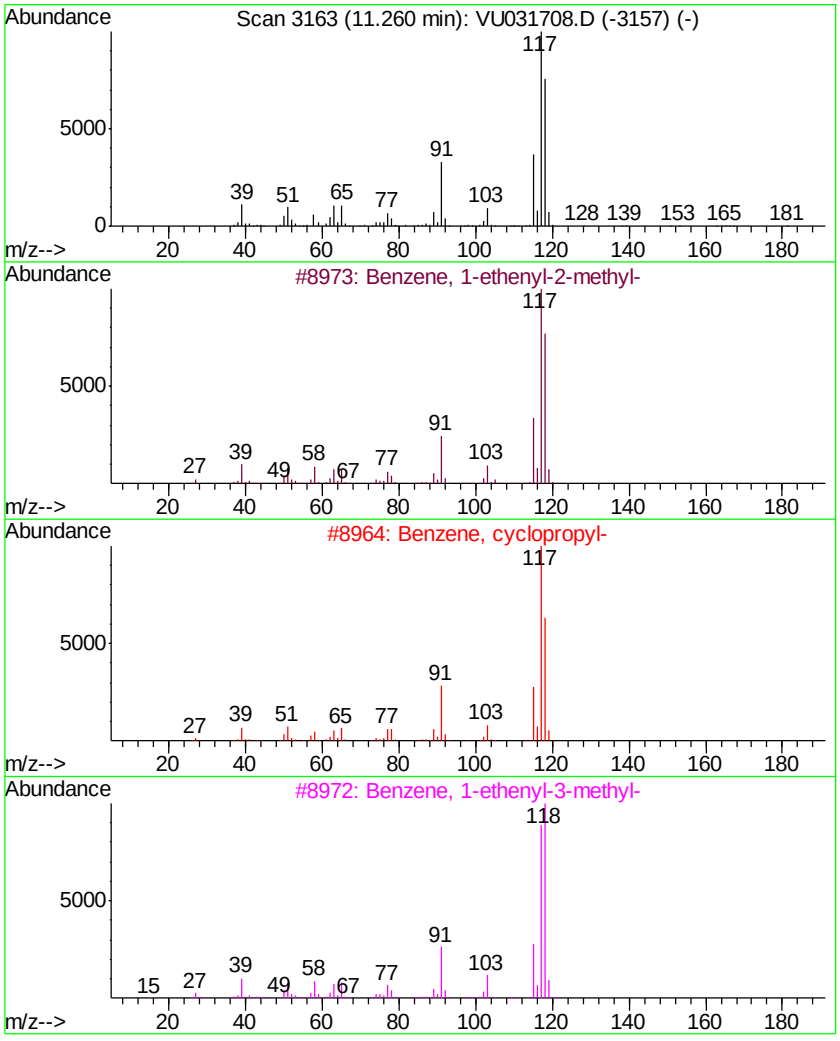
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

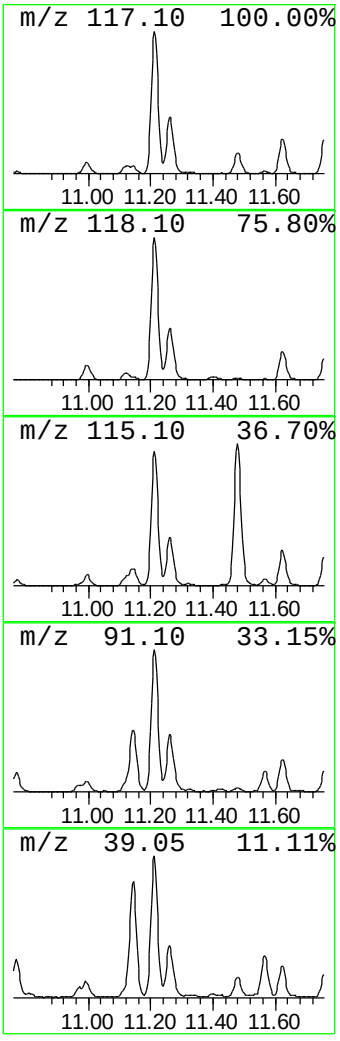
****

Peak Number 11 Benzene, 1-ethenyl-2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	17.36 ug/L	996999	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
3	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	94
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	93
5	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031708.D
Acq On : 02 May 2019 13:35
Operator : JC/SP
Sample : K2633-19 50X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB1

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

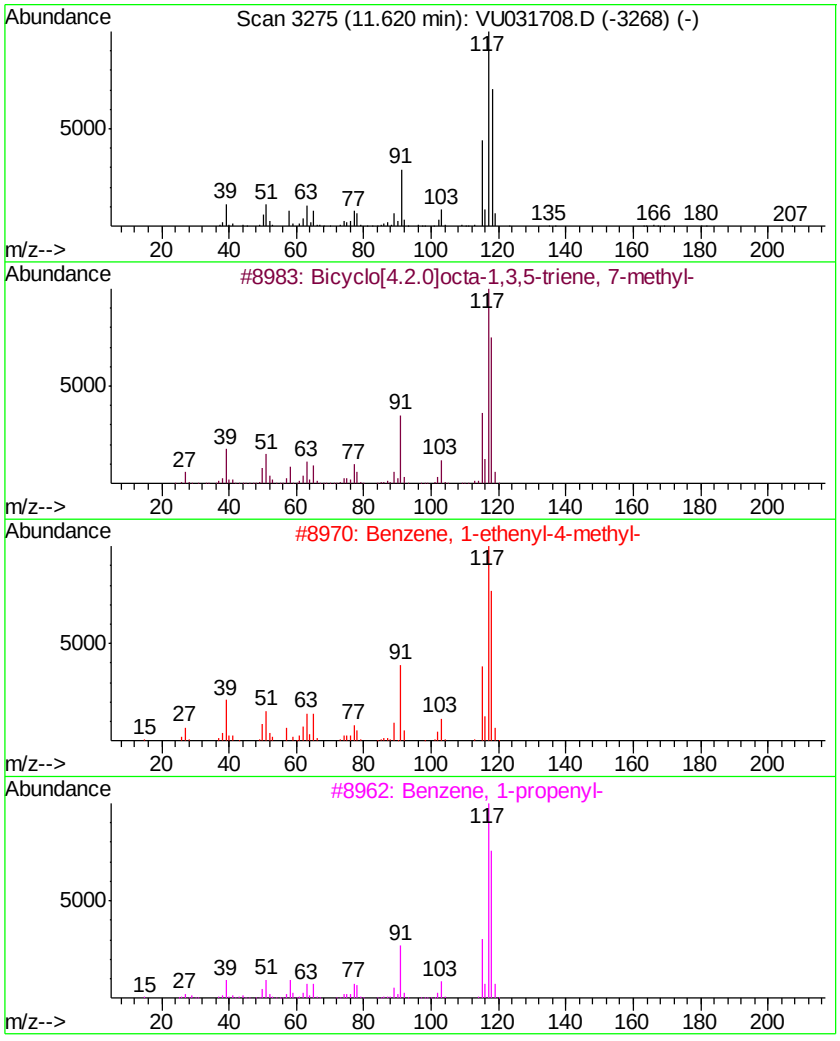
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

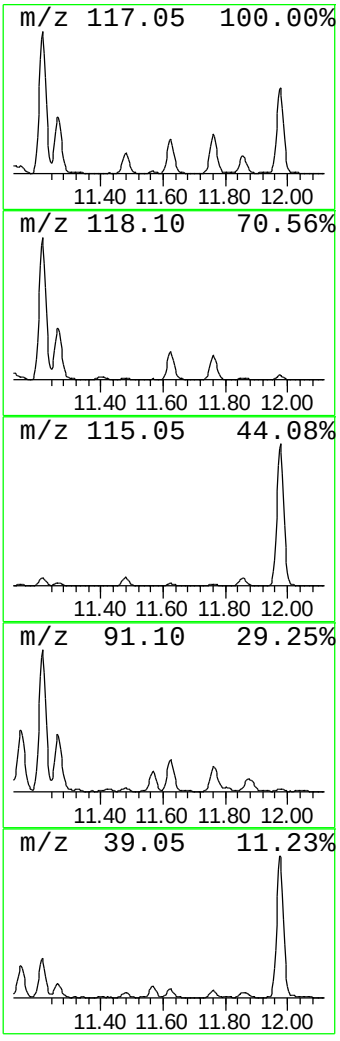
****

Peak Number 13 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	10.82 ug/L	621323	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,...	118	C9H10	055337-80-9	95
2	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	95
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	95
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	95
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031708.D
Acq On : 02 May 2019 13:35
Operator : JC/SP
Sample : K2633-19 50X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB1

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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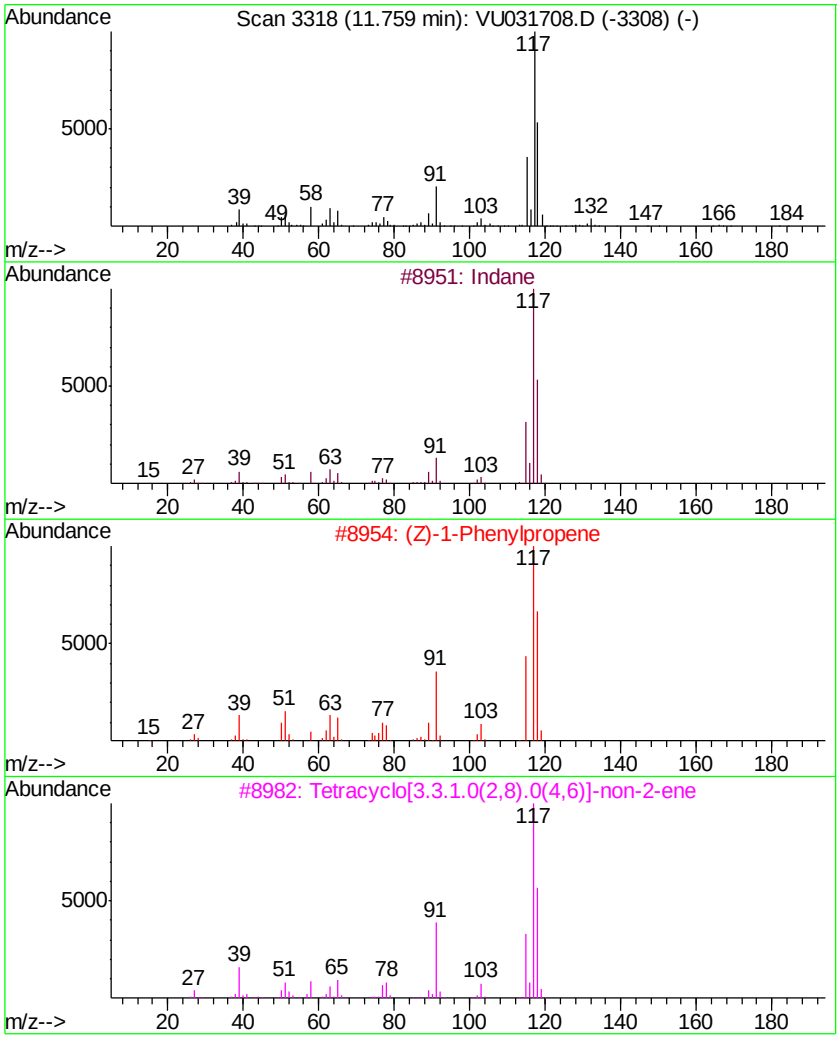
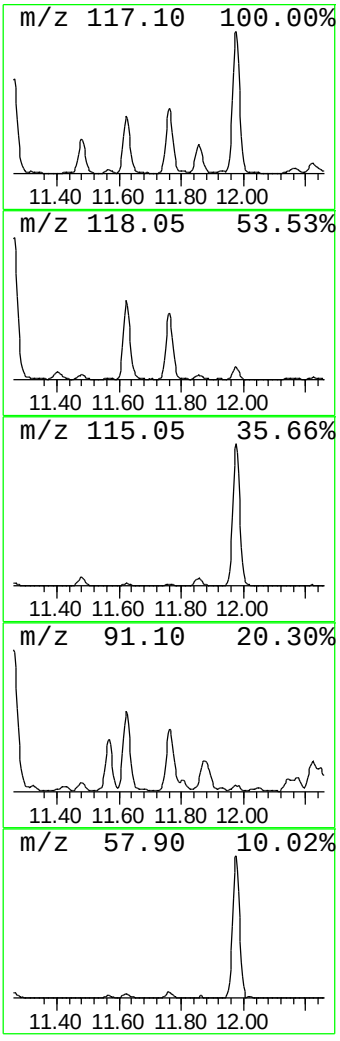
Peak Number 14 Indane Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	10.96 ug/L	629549	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	74
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	74
4	Indane	118	C9H10	000496-11-7	72
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	68





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031708.D
Acq On : 02 May 2019 13:35
Operator : JC/SP
Sample : K2633-19 50X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB1

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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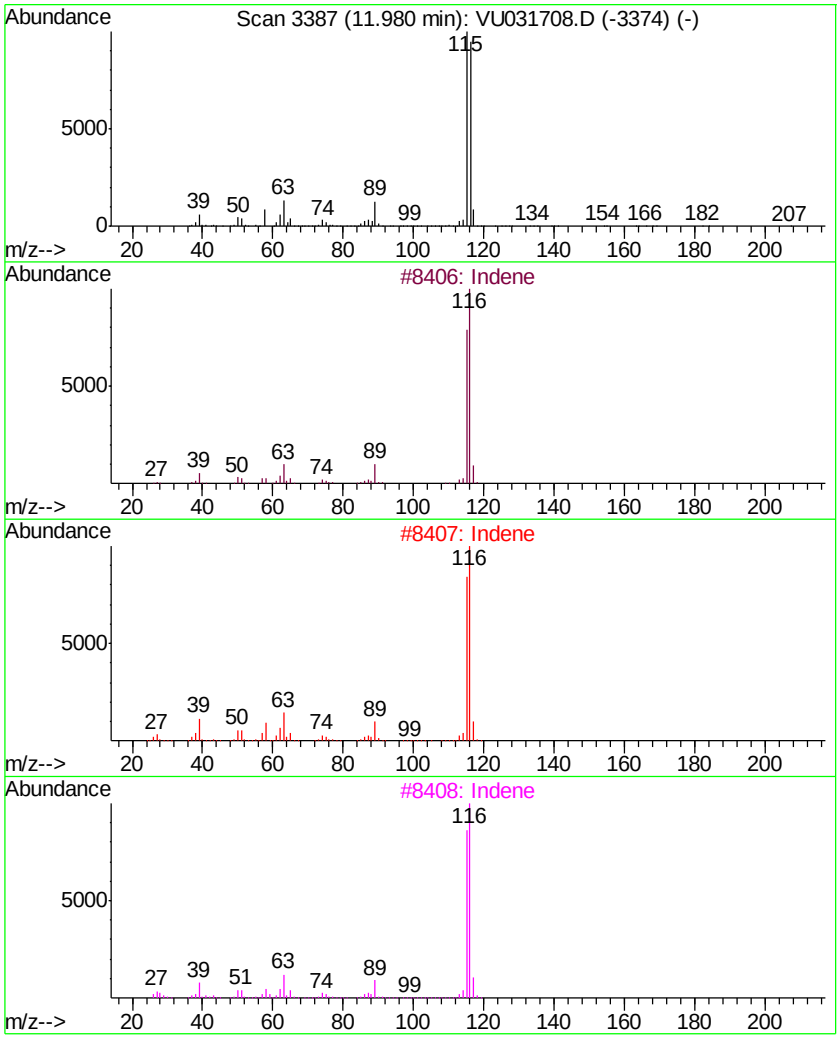
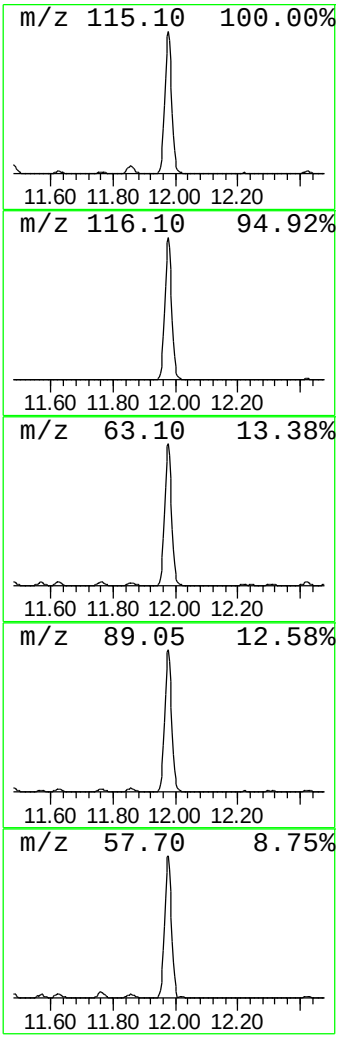
Peak Number 15 Indene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	241.97 ug/L	13892900	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	3-Methylphenylacetylene	116	C9H8	000766-82-5	94
5	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031708.D
Acq On : 02 May 2019 13:35
Operator : JC/SP
Sample : K2633-19 50X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB1

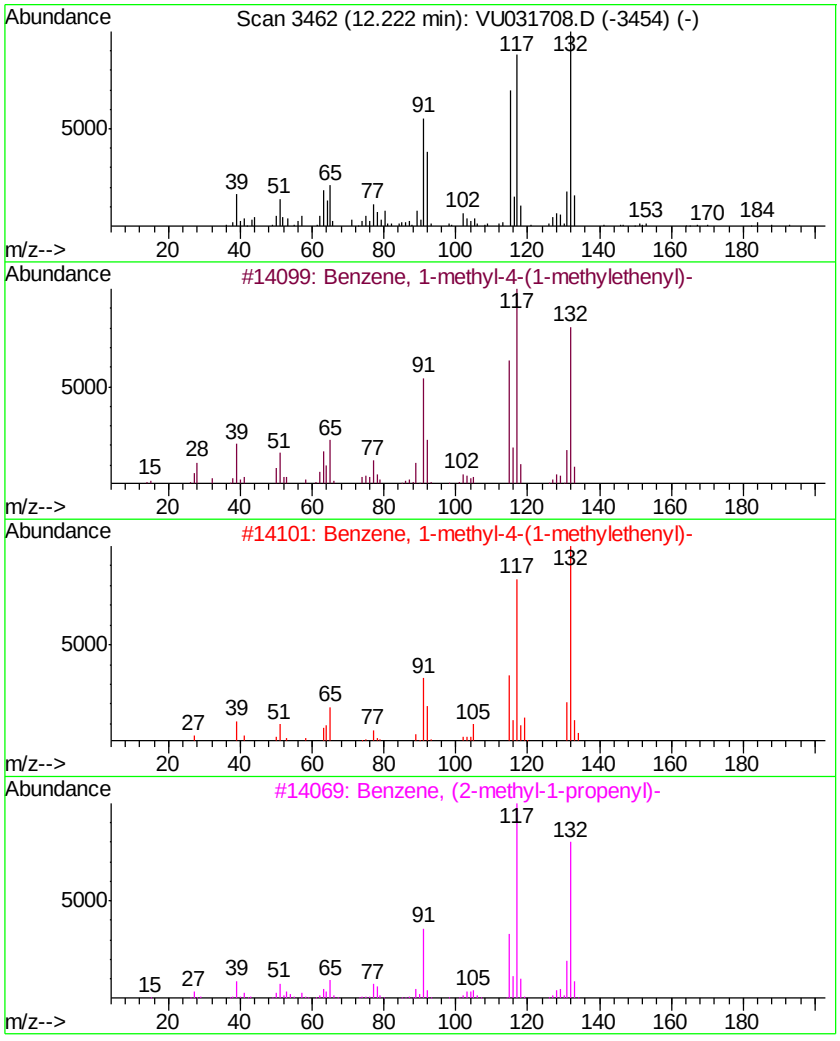
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

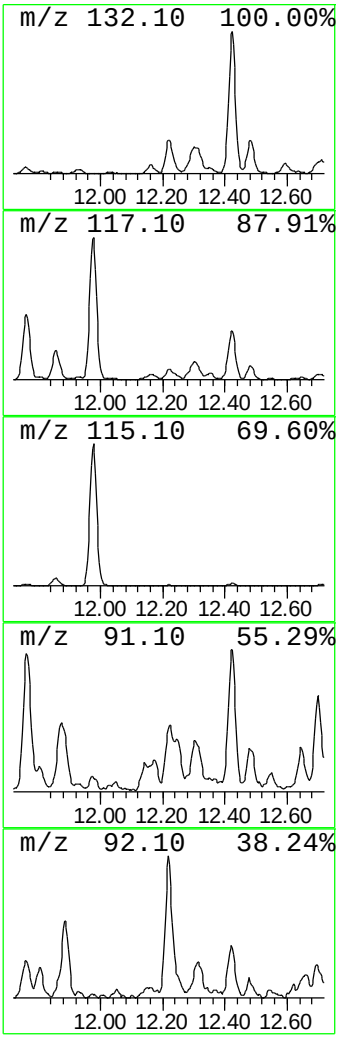
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Benzene, 1-methyl-4-(1-meth... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	2.80 ug/L	160860	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	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	81
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	70
4	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	70
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031708.D
Acq On : 02 May 2019 13:35
Operator : JC/SP
Sample : K2633-19 50X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB1

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

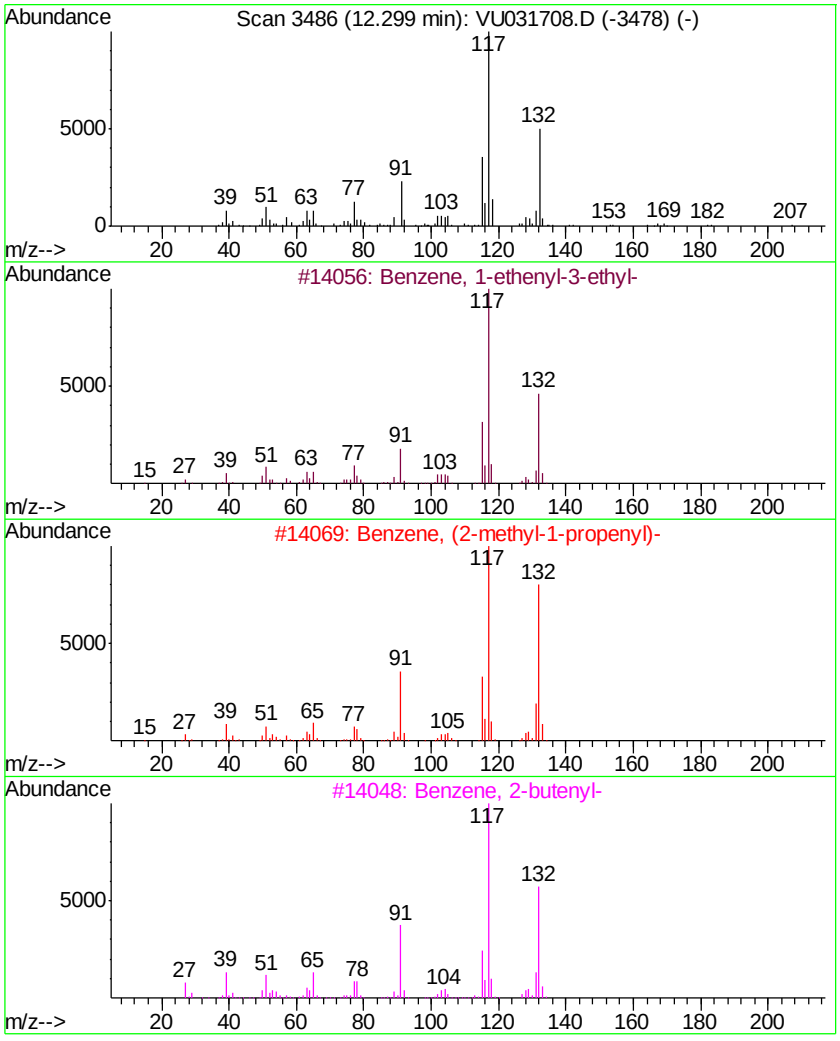
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

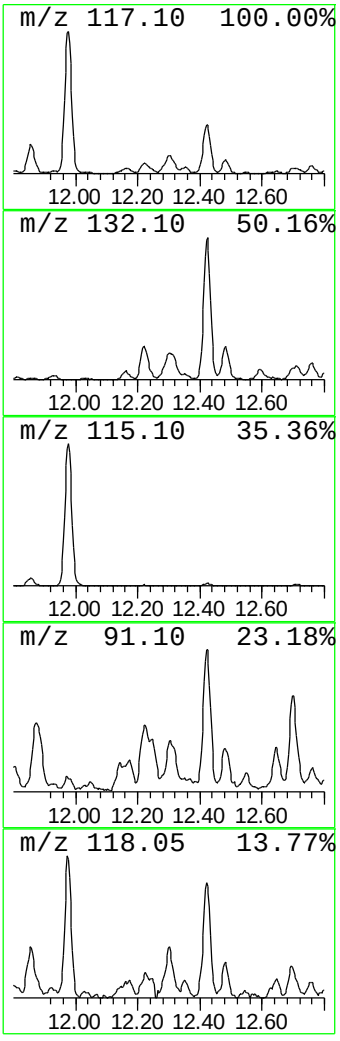
****

Peak Number 17 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	3.42 ug/L	196275	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	95
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	94
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	93
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	91
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031708.D
Acq On : 02 May 2019 13:35
Operator : JC/SP
Sample : K2633-19 50X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB1

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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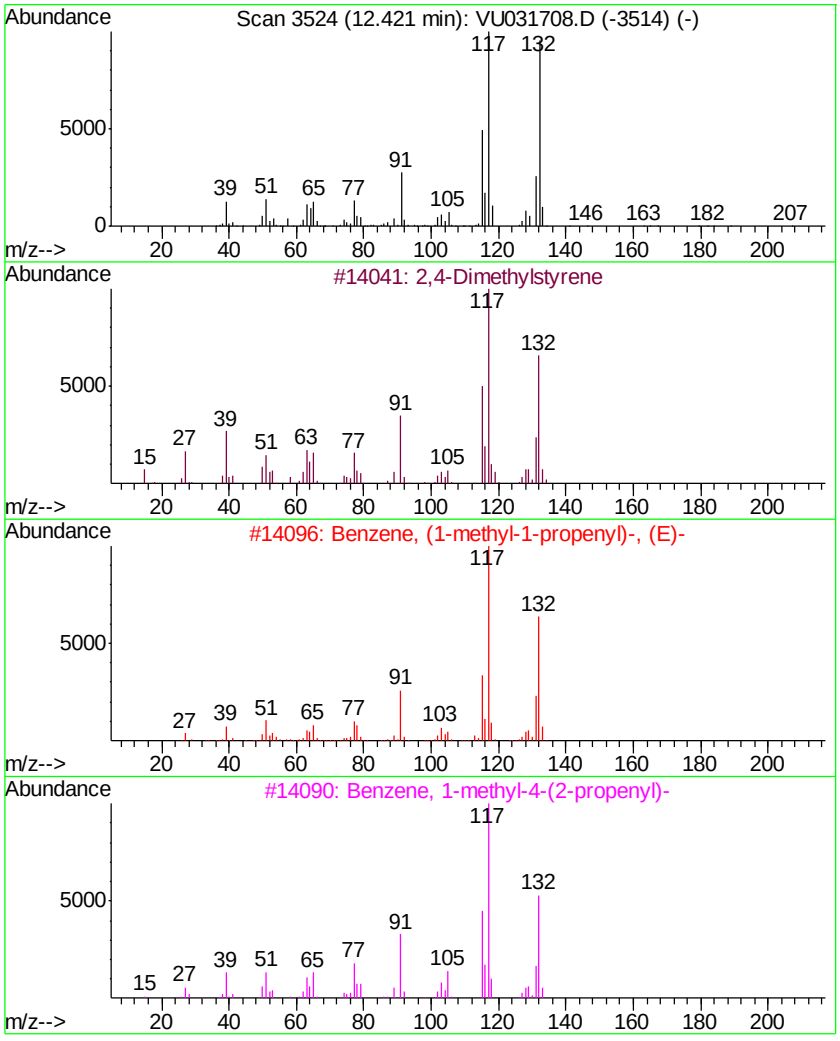
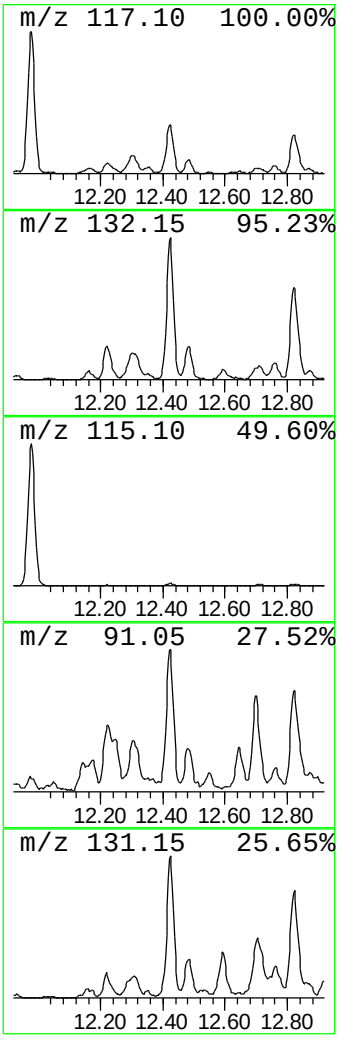
Peak Number 18 2,4-Dimethylstyrene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	11.71 ug/L	672374	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethylstyrene	132	C10H12	002234-20-0	94
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	93
3	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	93
4	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	93
5	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031708.D
Acq On : 02 May 2019 13:35
Operator : JC/SP
Sample : K2633-19 50X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB1

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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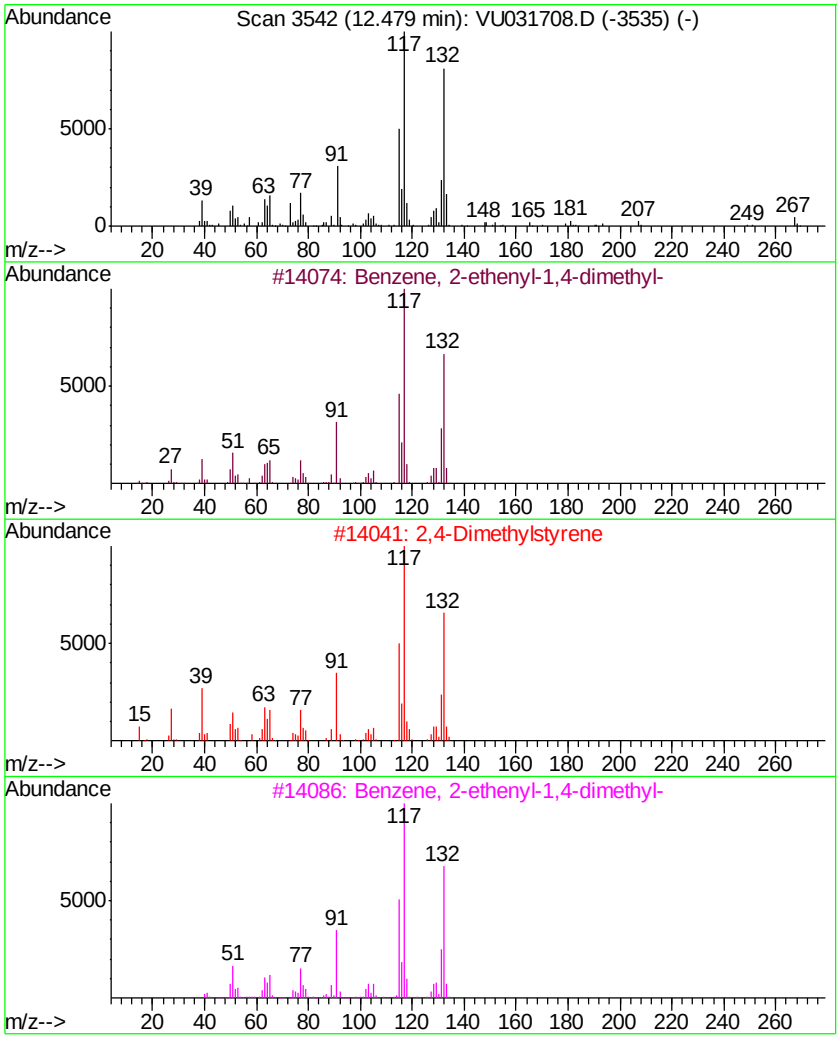
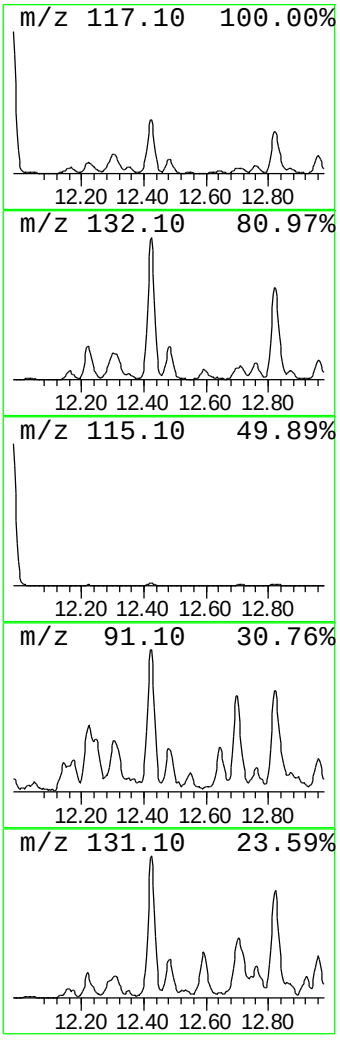
Peak Number 19 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	3.18 ug/L	182401	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	95
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	95
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	94
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031708.D
Acq On : 02 May 2019 13:35
Operator : JC/SP
Sample : K2633-19 50X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB1

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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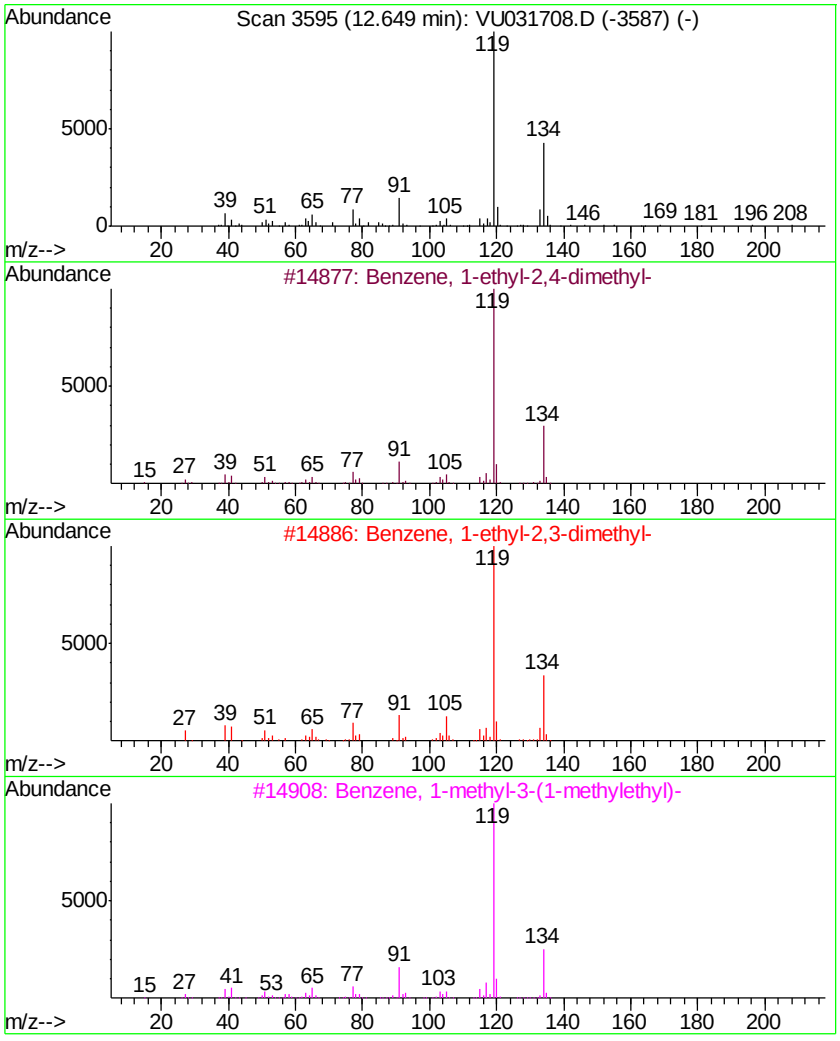
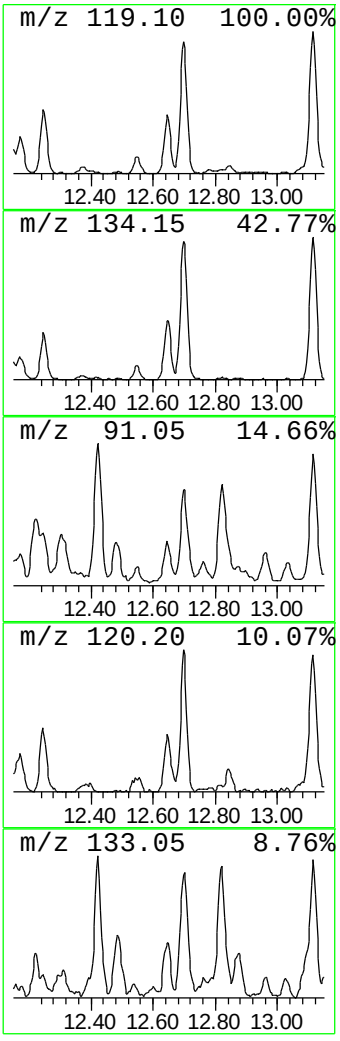
Peak Number 20 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	3.01 ug/L	172718	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	90
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	90
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031708.D
Acq On : 02 May 2019 13:35
Operator : JC/SP
Sample : K2633-19 50X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB1

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

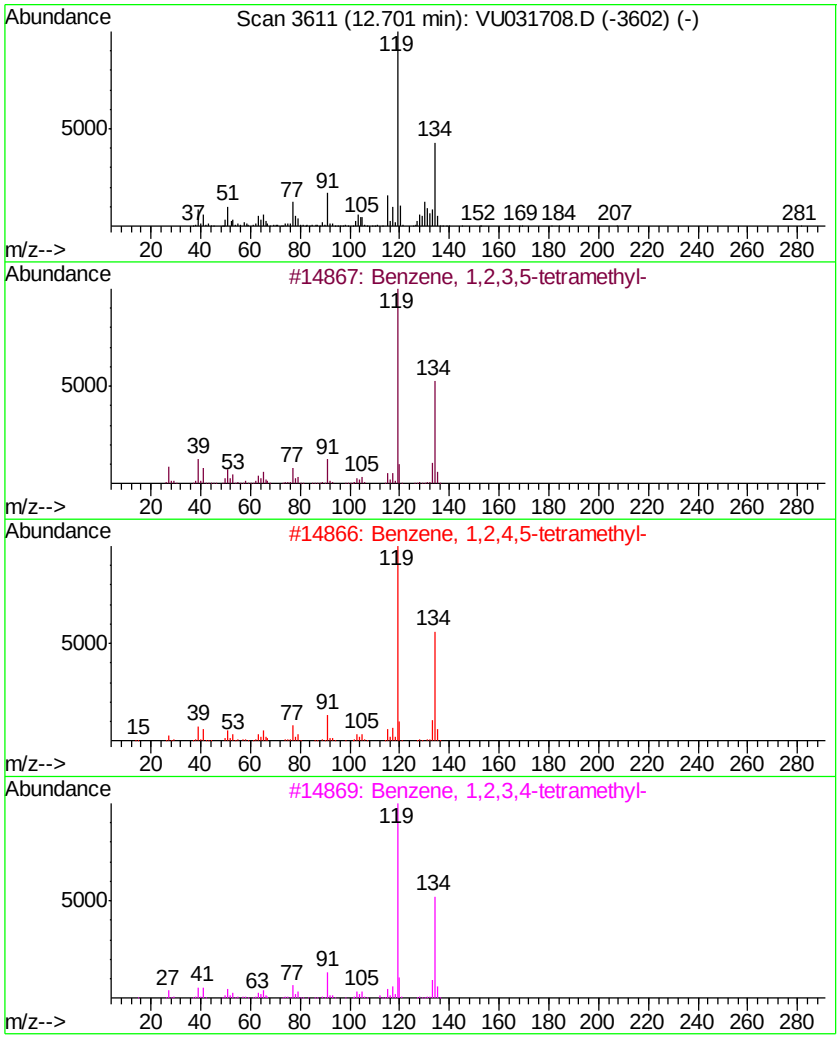
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

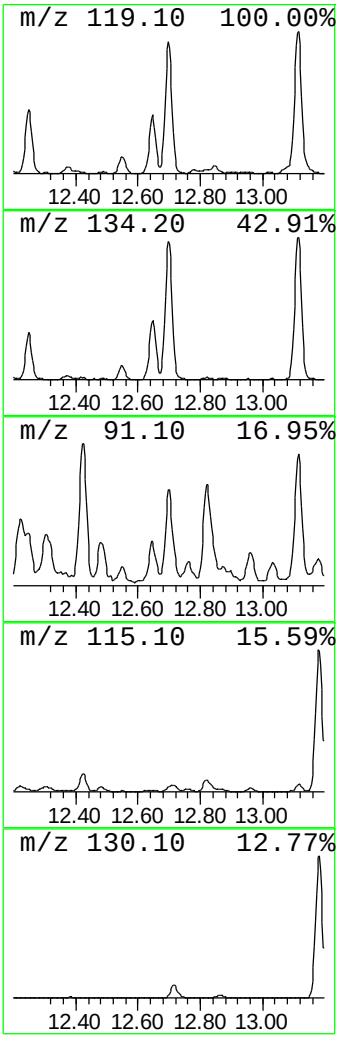
****

Peak Number 21 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	11.88 ug/L	682287	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	93
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	93
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	90





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Data File : VU031708.D
Acq On : 02 May 2019 13:35
Operator : JC/SP
Sample : K2633-19 50X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB1

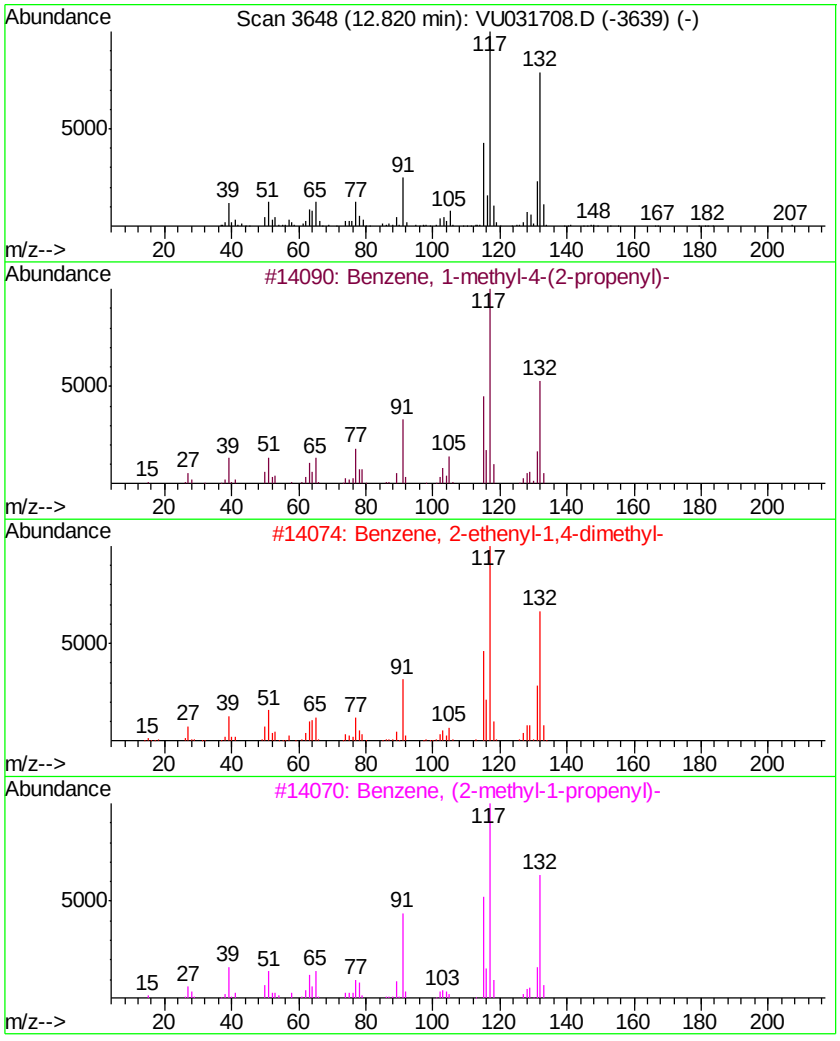
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

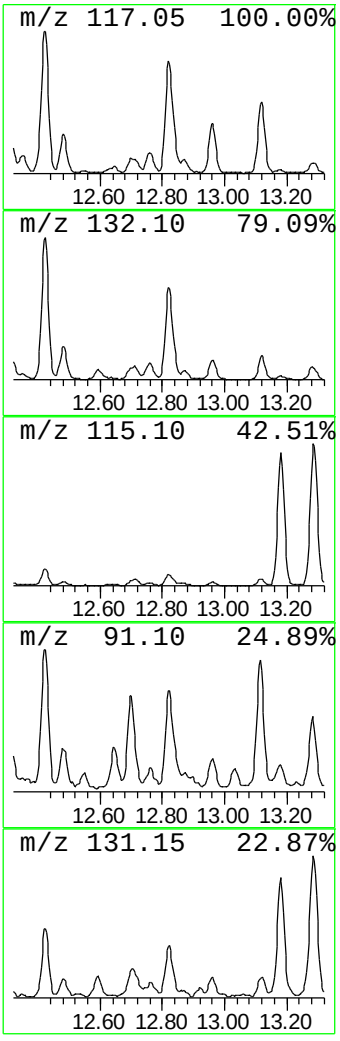
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 Benzene, 1-methyl-4-(2-prop... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.82	9.90 ug/L	568362	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	97
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	97
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	95
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	95
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031708.D
Acq On : 02 May 2019 13:35
Operator : JC/SP
Sample : K2633-19 50X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB1

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

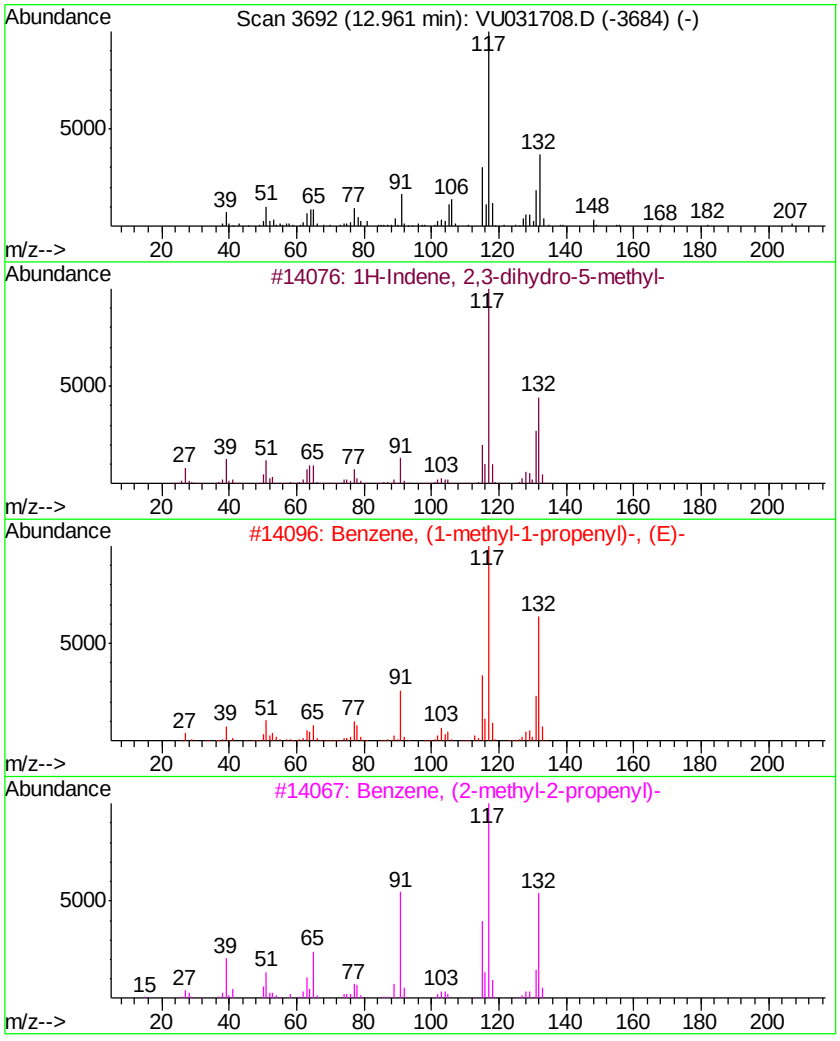
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

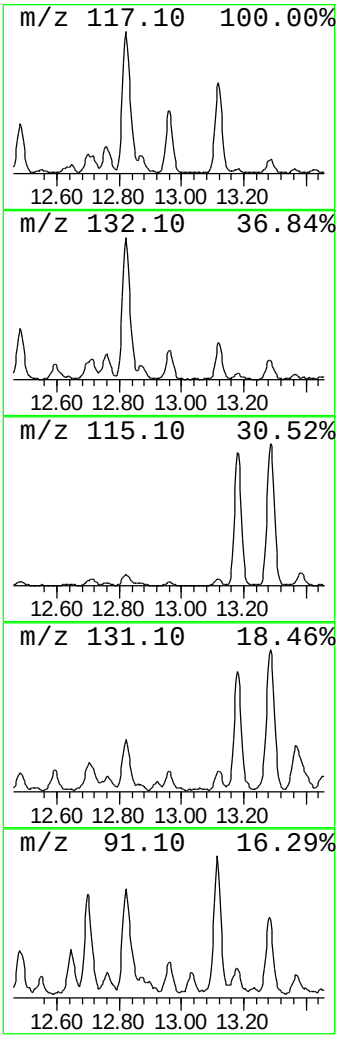
****

Peak Number 23 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	3.08 ug/L	176899	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	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	90
3	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	87
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87





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Data File : VU031708.D
Acq On : 02 May 2019 13:35
Operator : JC/SP
Sample : K2633-19 50X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB1

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

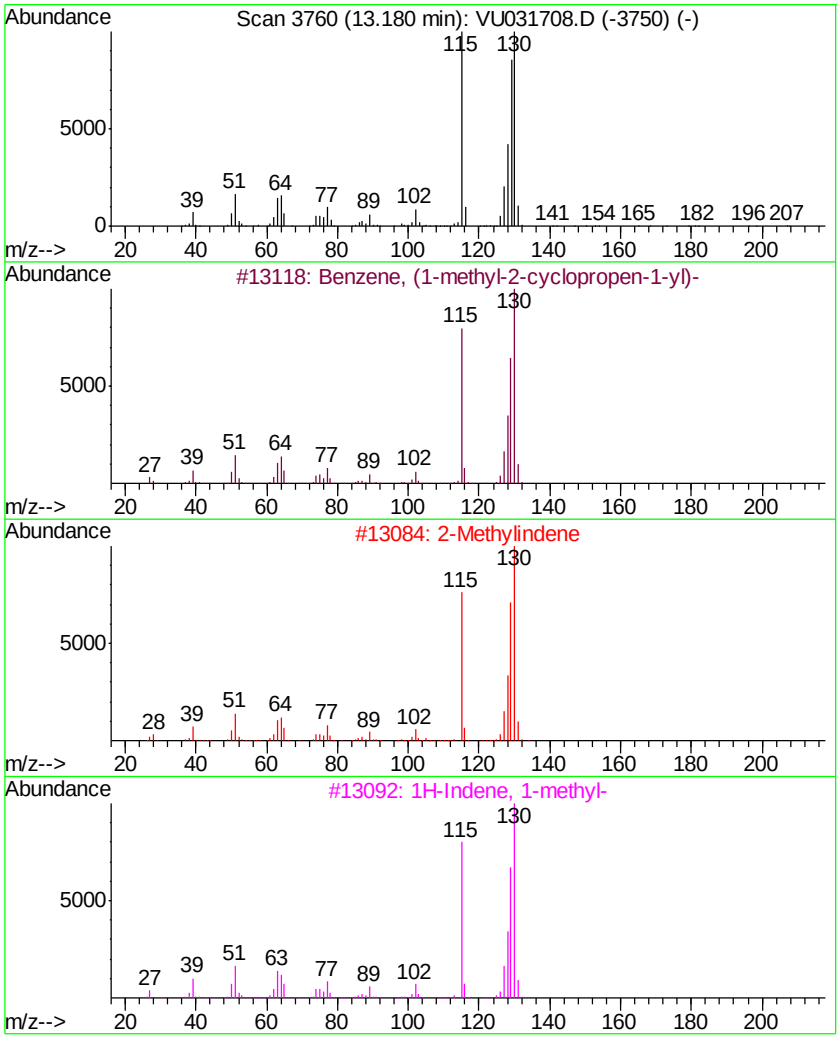
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

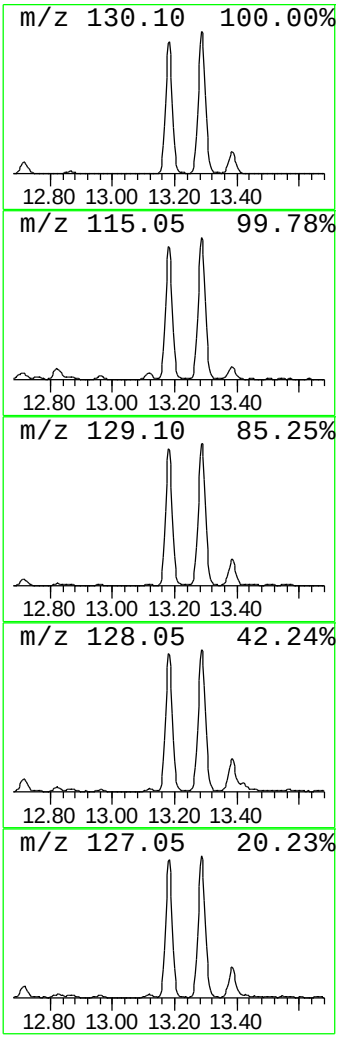
****

Peak Number 25 Benzene, (1-methyl-2-cyclop... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	49.70 ug/L	2853300	1,4-Dichlorobenzene-d4	11.48

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031708.D
Acq On : 02 May 2019 13:35
Operator : JC/SP
Sample : K2633-19 50X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB1

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

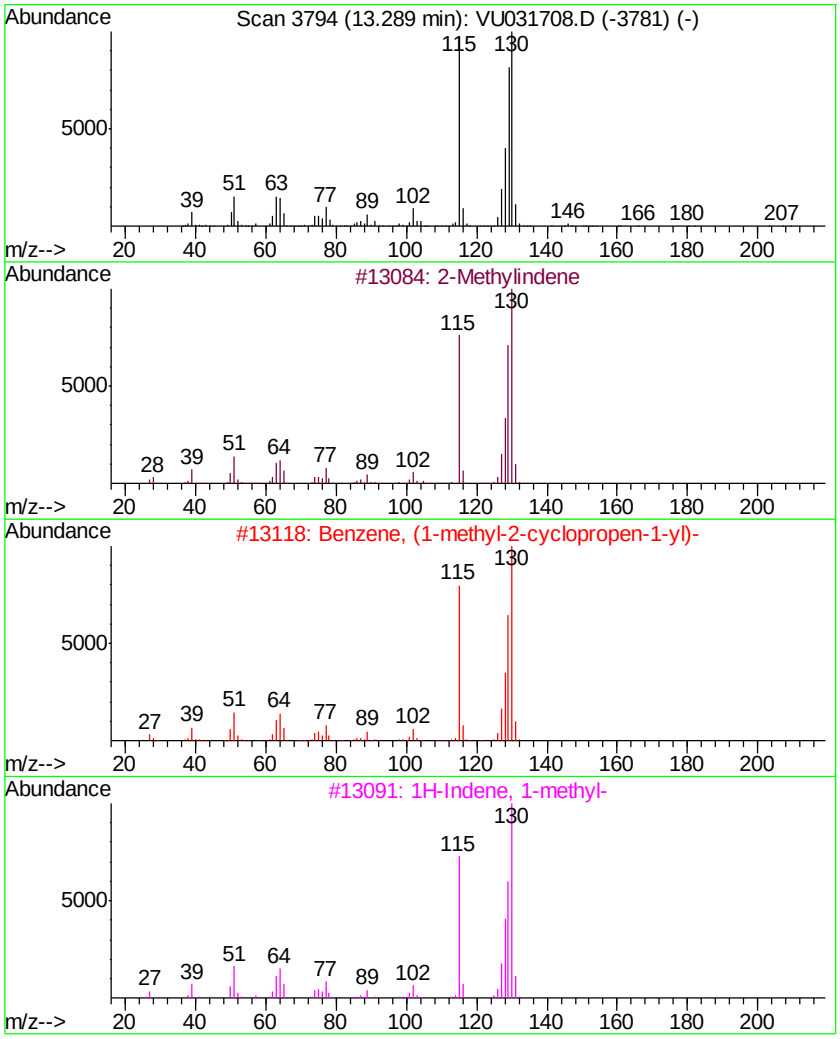
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

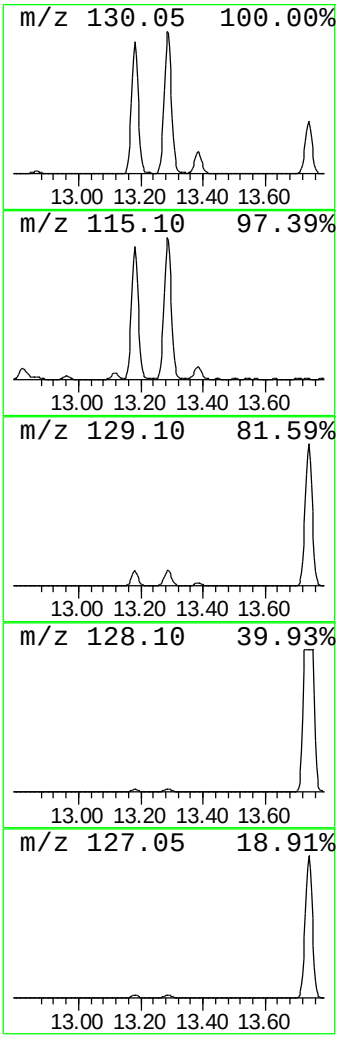
****

Peak Number 26 2-Methylindene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	59.36 ug/L	3407930	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	96
2	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	96
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
4	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
5	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	96





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031708.D
Acq On : 02 May 2019 13:35
Operator : JC/SP
Sample : K2633-19 50X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB1

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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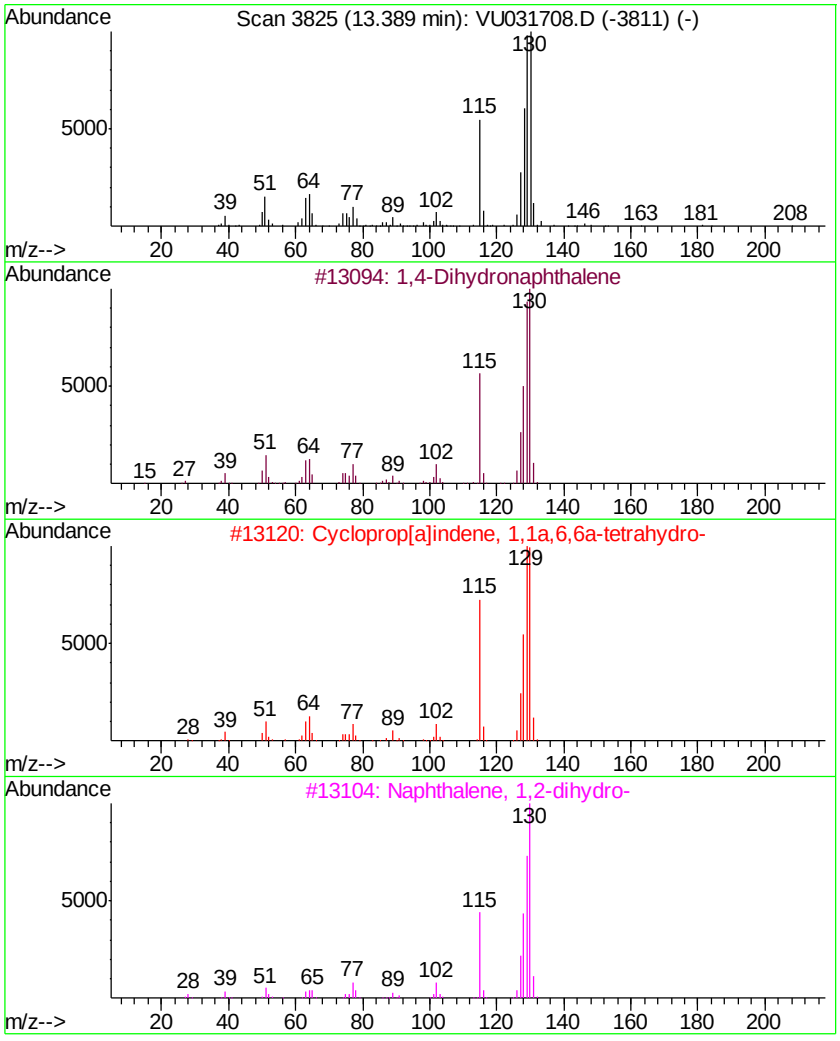
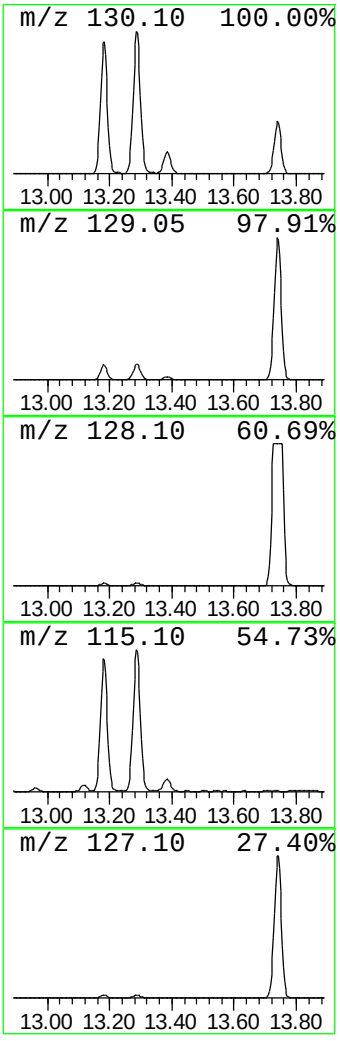
Peak Number 27 1,4-Dihydronaphthalene Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	9.57 ug/L	549587	1,4-Dichlorobenzene-d4	11.48

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031708.D
Acq On : 02 May 2019 13:35
Operator : JC/SP
Sample : K2633-19 50X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB1

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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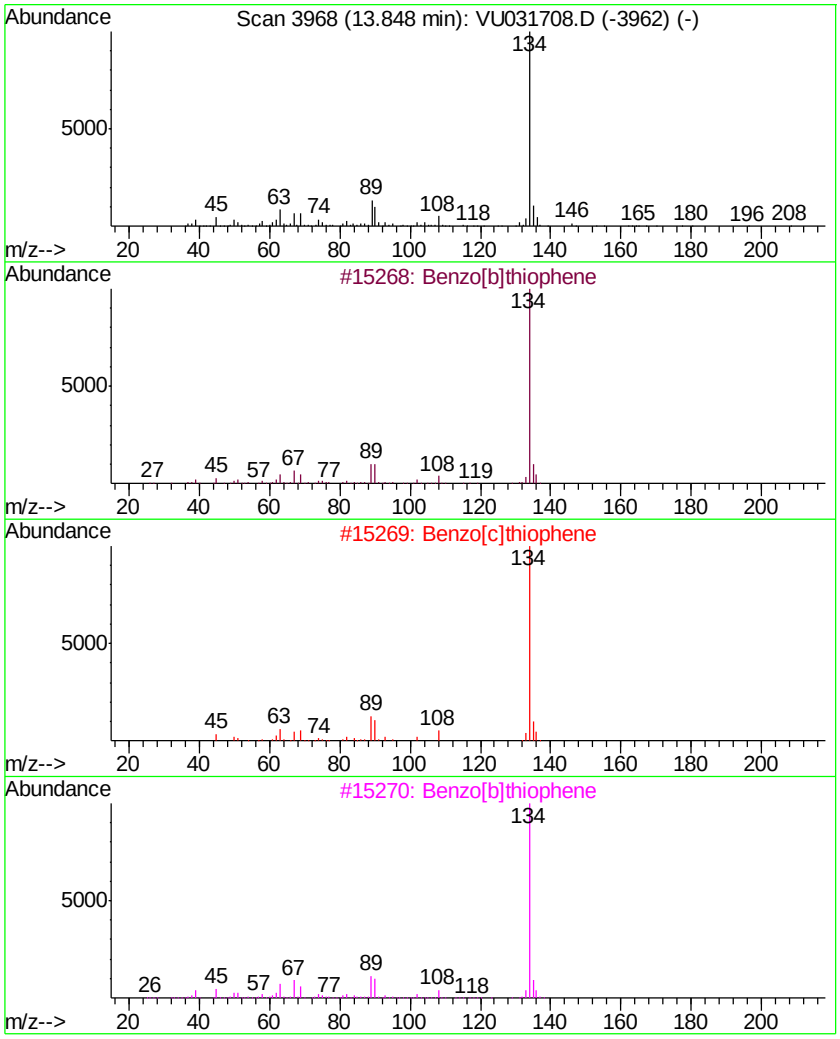
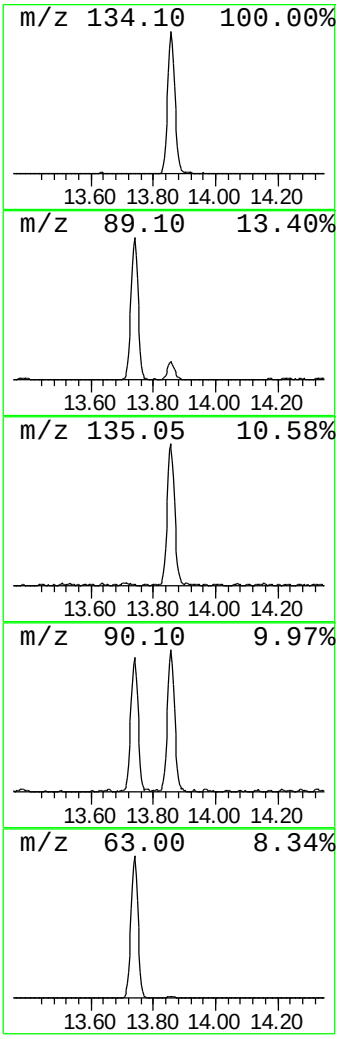
Peak Number 29 Benzo[b]thiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	15.67 ug/L	899485	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene	134	C8H6S	000095-15-8	97
2	Benzo[c]thiophene	134	C8H6S	000270-82-6	97
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	97
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
5	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031708.D
Acq On : 02 May 2019 13:35
Operator : JC/SP
Sample : K2633-19 50X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB1

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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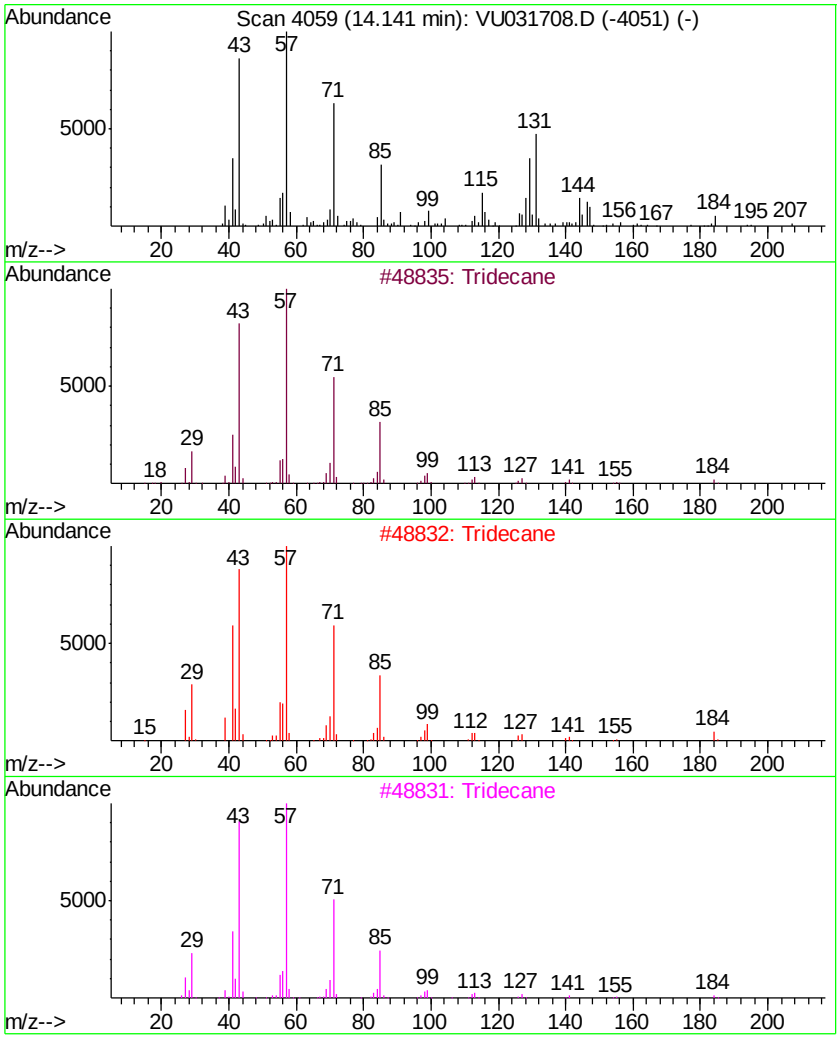
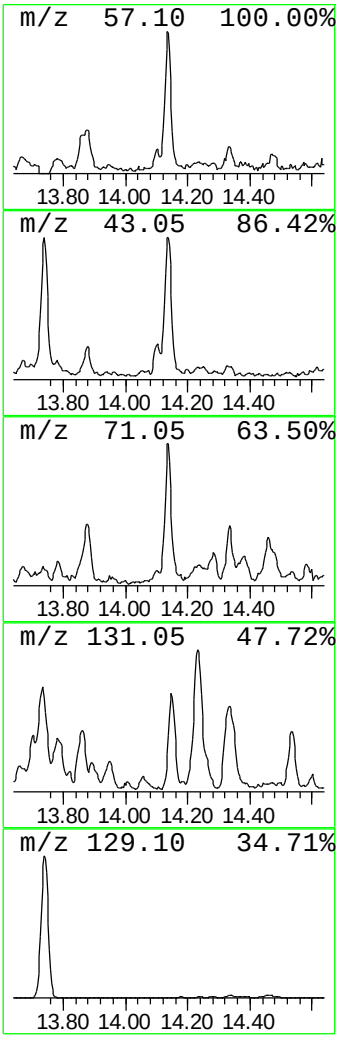
Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	2.57 ug/L	147598	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	90
2	Tridecane	184	C13H28	000629-50-5	70
3	Tridecane	184	C13H28	000629-50-5	55
4	Decane, 2-methyl-	156	C11H24	006975-98-0	46
5	Hexadecane	226	C16H34	000544-76-3	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031708.D
Acq On : 02 May 2019 13:35
Operator : JC/SP
Sample : K2633-19 50X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB1

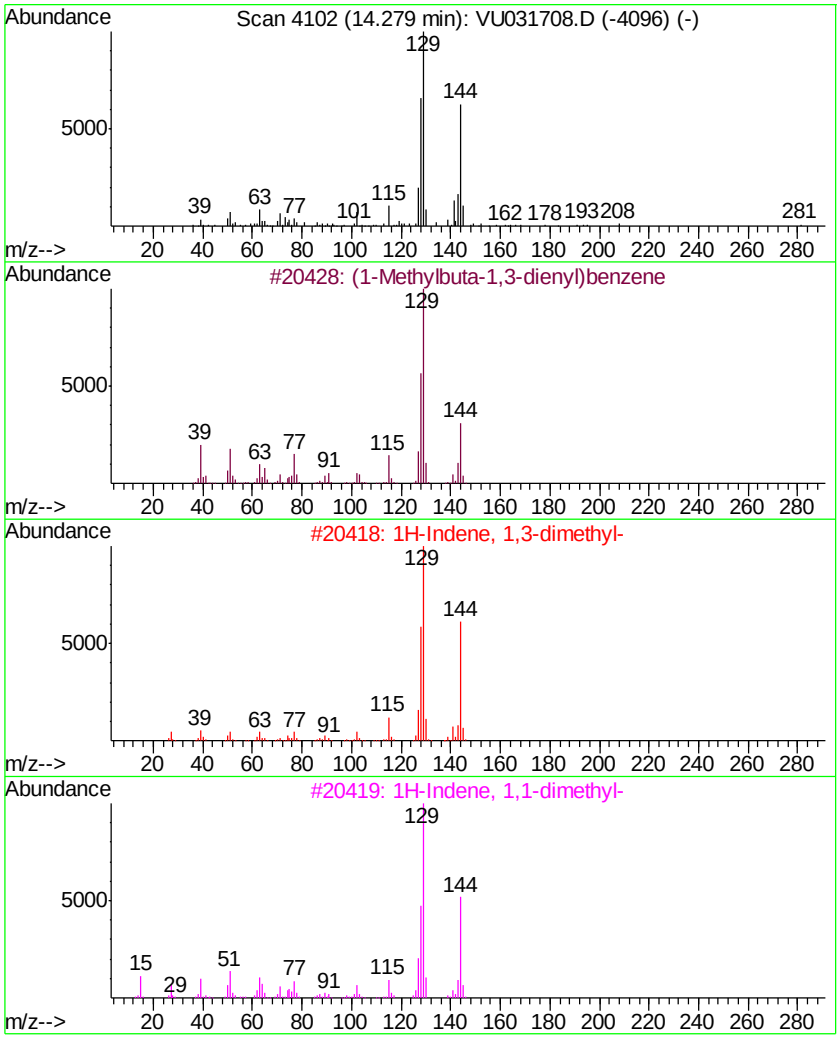
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

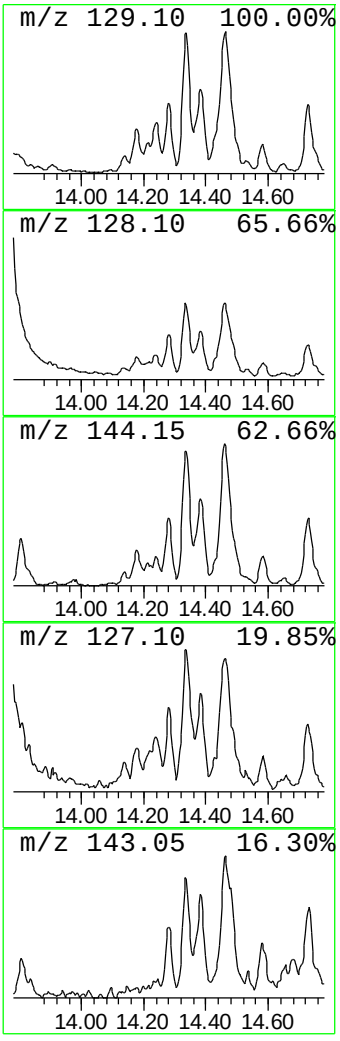
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 (1-Methylbuta-1,3-dienyl)be... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	2.69 ug/L	154612	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1-Methylbuta-1,3-dienyl)benzene	144	C11H12	054758-36-0	91
2	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	90
3	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	86
4	Benzene, 1-cyclopenten-1-yl-	144	C11H12	000825-54-7	86
5	1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031708.D
Acq On : 02 May 2019 13:35
Operator : JC/SP
Sample : K2633-19 50X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB1

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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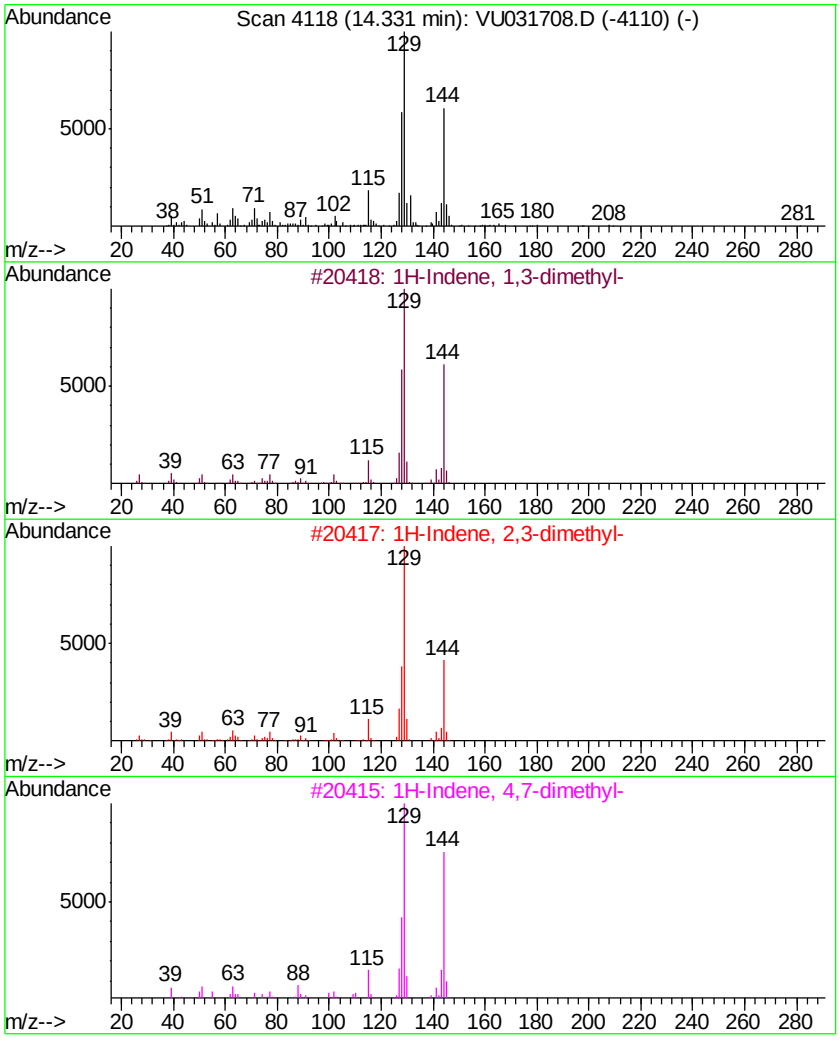
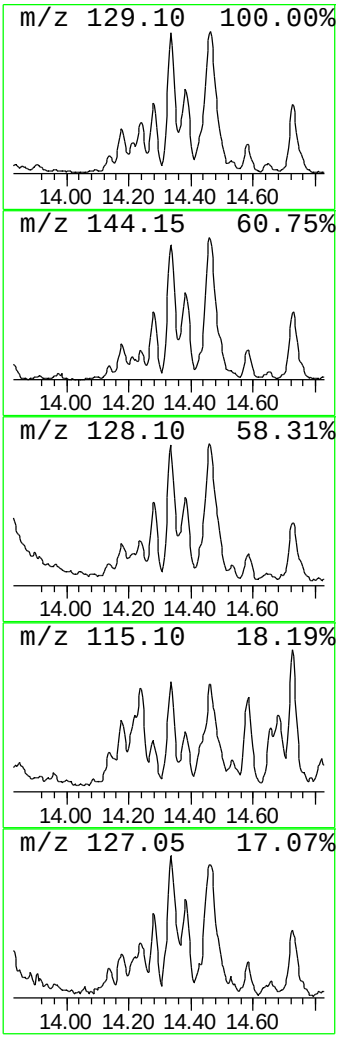
Peak Number 32 1H-Indene, 1,3-dimethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	7.22 ug/L	414411	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	95
2	1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	94
3	1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	90
4	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	87
5	(1-Methylbuta-1,3-dienyl)benzene	144	C11H12	054758-36-0	87





Library Search Compound Report

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Data File : VU031708.D
Acq On : 02 May 2019 13:35
Operator : JC/SP
Sample : K2633-19 50X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB1

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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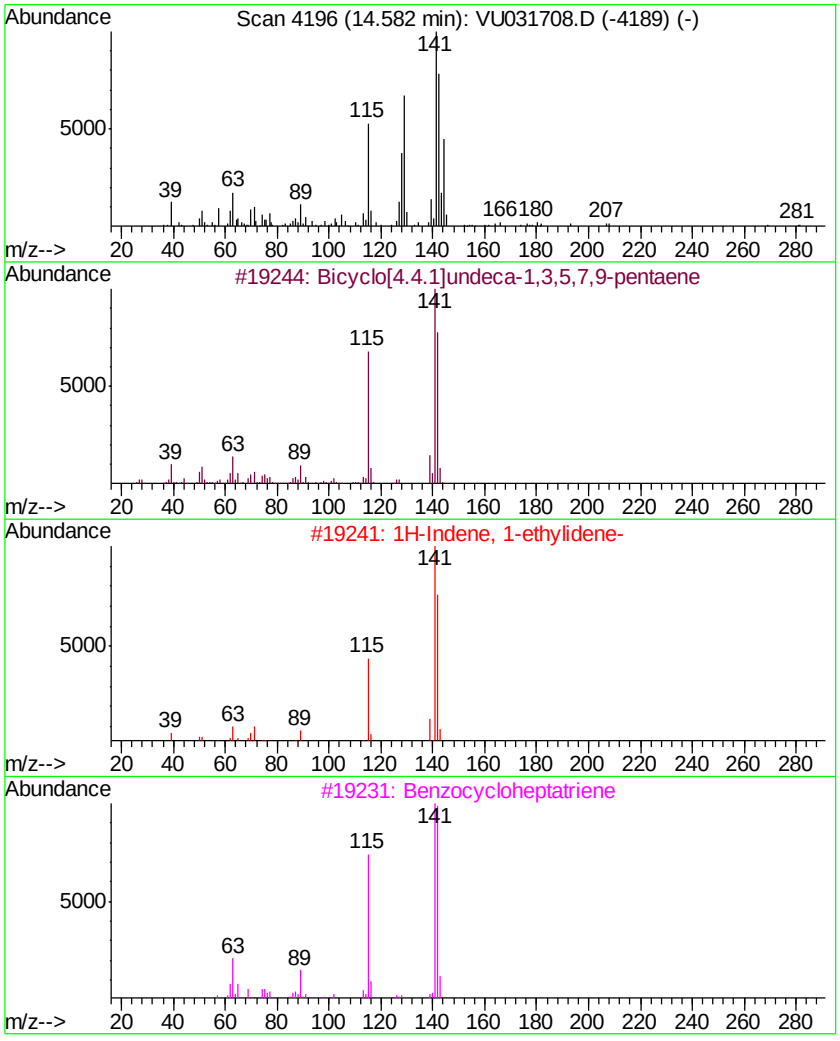
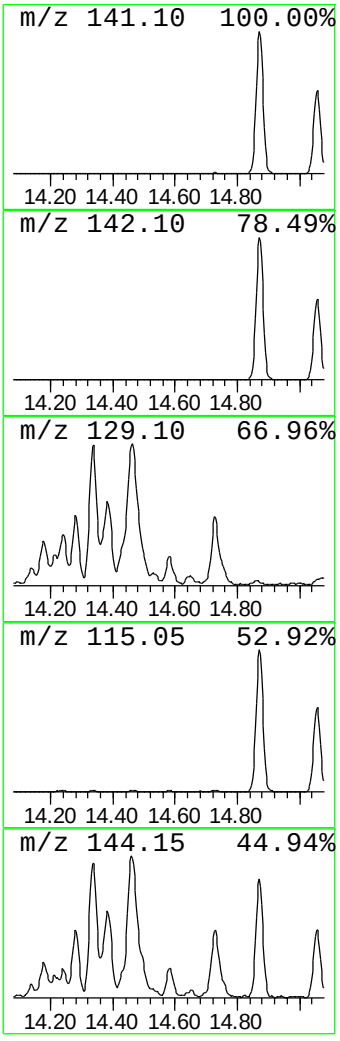
Peak Number 34 Bicyclo[4.4.1]undeca-1,3,5,... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.58	2.61 ug/L	149690	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	90
2	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	90
3	Benzocycloheptatriene	142	C11H10	000264-09-5	89
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	83
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031708.D
Acq On : 02 May 2019 13:35
Operator : JC/SP
Sample : K2633-19 50X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB1

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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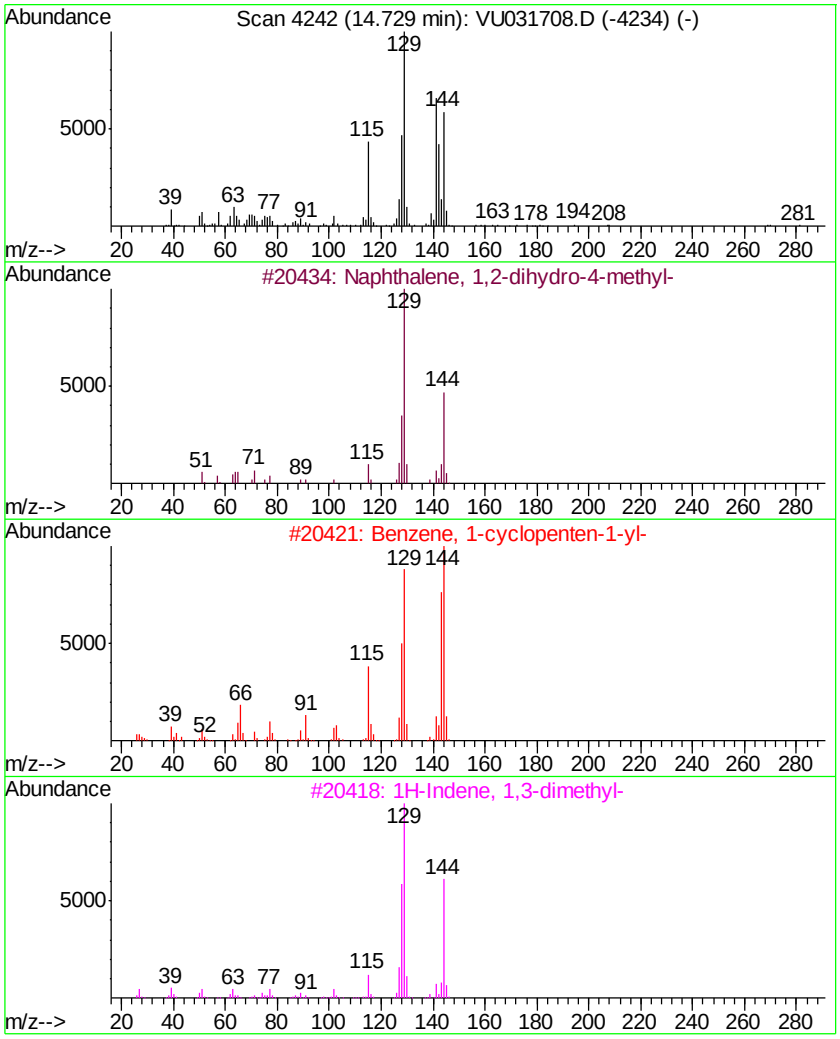
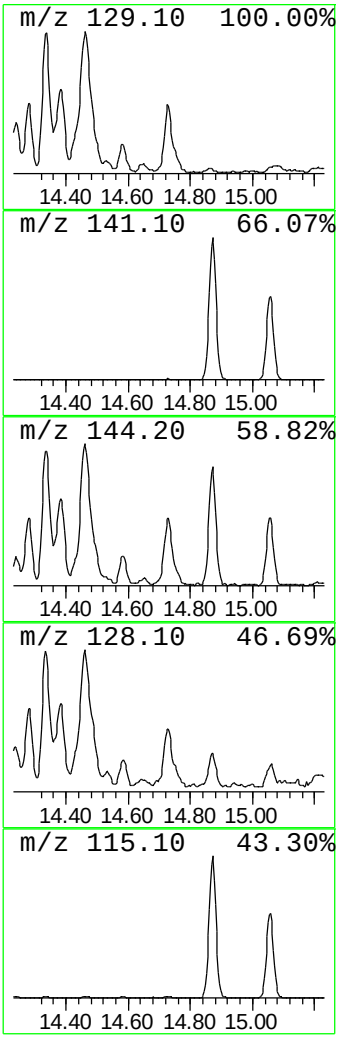
Peak Number 35 Naphthalene, 1,2-dihydro-4-... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	5.47 ug/L	314238	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dihydro-4-methyl-	144	C11H12	004373-13-1	91
2	Benzene, 1-cyclopenten-1-yl-	144	C11H12	000825-54-7	68
3	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	64
4	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	64
5	1H-Cyclopropa[b]naphthalene, 1a,...	144	C11H12	006571-72-8	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031708.D
Acq On : 02 May 2019 13:35
Operator : JC/SP
Sample : K2633-19 50X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB1

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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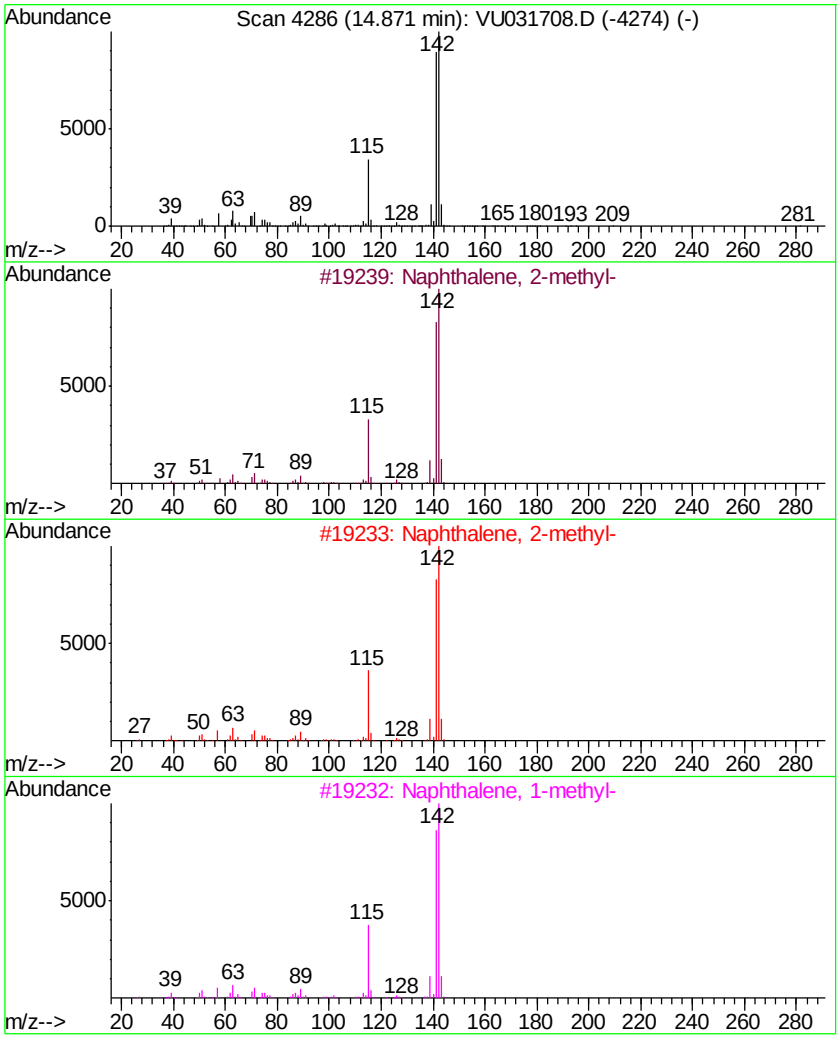
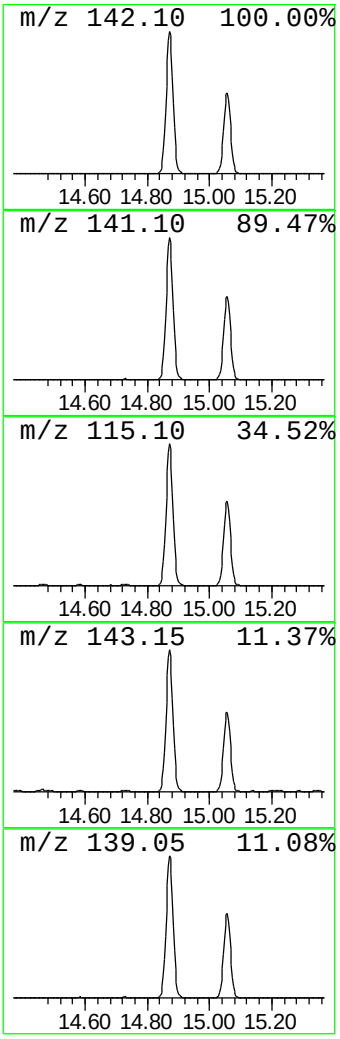
Peak Number 37 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	425.58 ug/L	24434700	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031708.D
Acq On : 02 May 2019 13:35
Operator : JC/SP
Sample : K2633-19 50X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB1

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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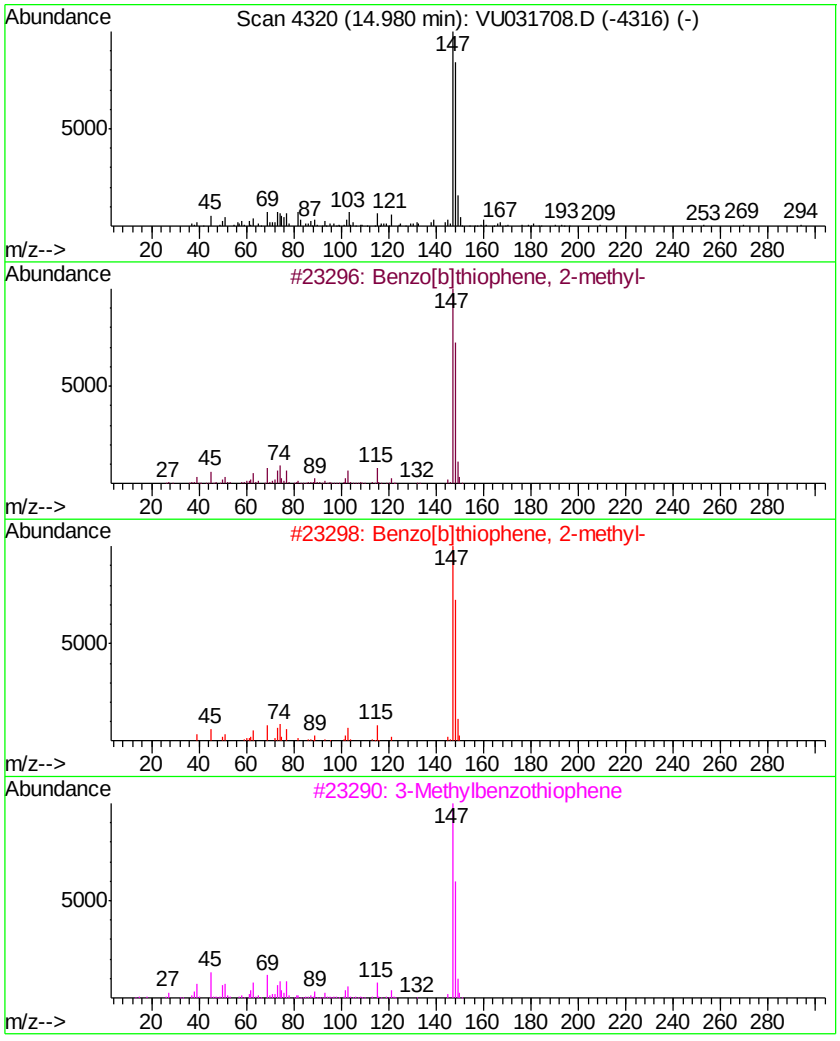
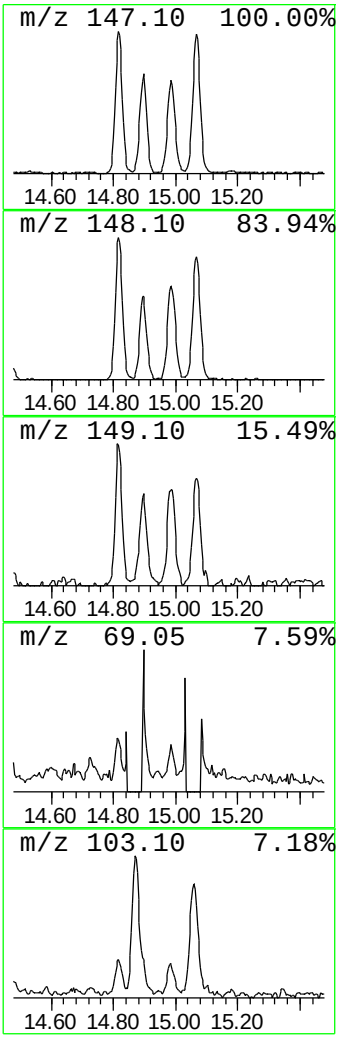
Peak Number 38 Benzo[b]thiophene, 2-methyl- Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.98	2.88 ug/L	165225	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	90
2	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	90
3	3-Methylbenzothiophene	148	C9H8S	001455-18-1	87
4	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	87
5	3-Methylbenzothiophene	148	C9H8S	001455-18-1	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031708.D
Acq On : 02 May 2019 13:35
Operator : JC/SP
Sample : K2633-19 50X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB1

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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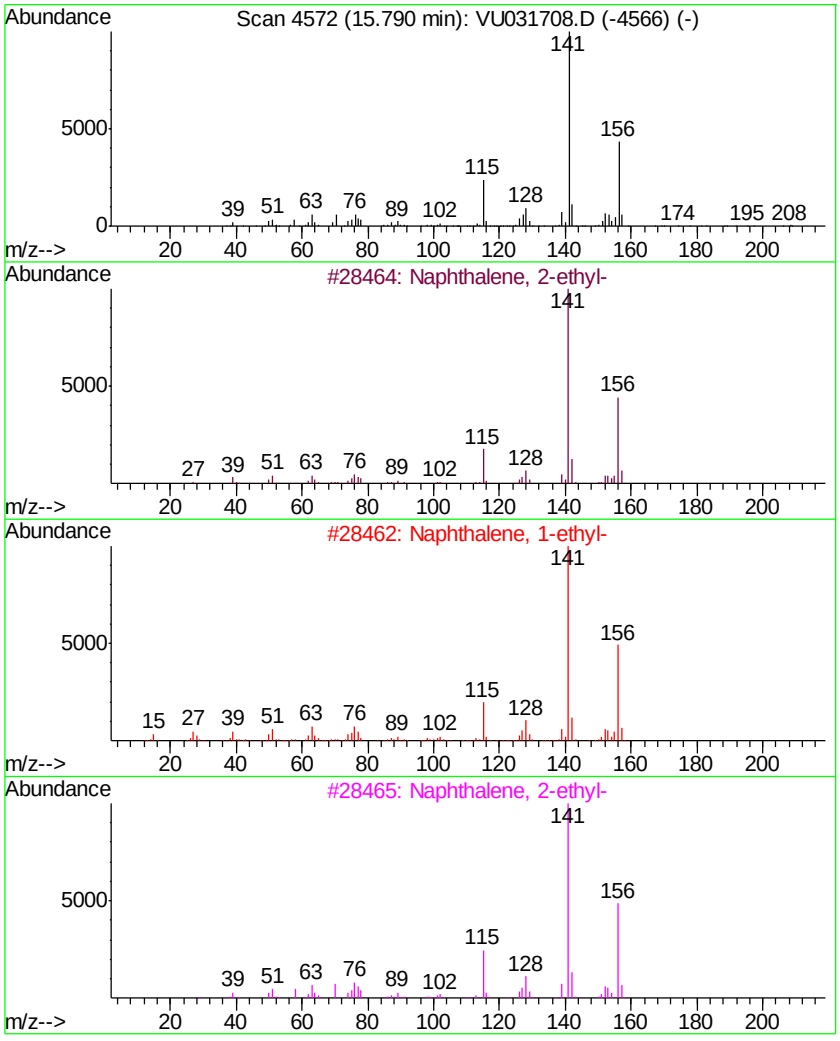
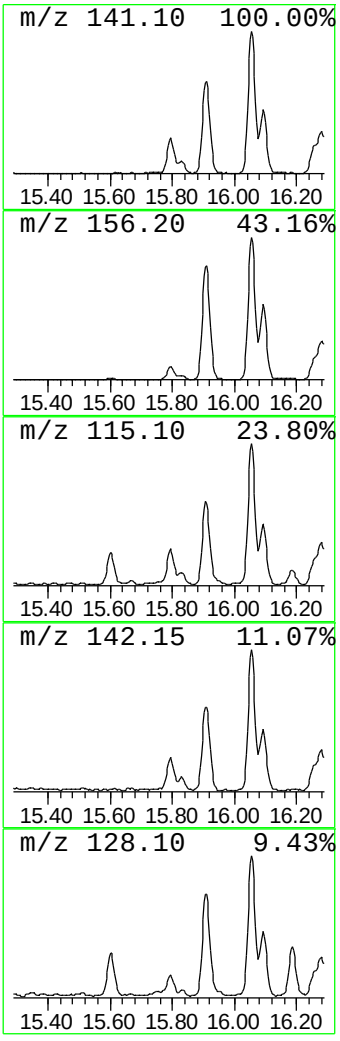
Peak Number 41 Naphthalene, 2-ethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	7.35 ug/L	421768	1,4-Dichlorobenzene-d4	11.48

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031708.D
Acq On : 02 May 2019 13:35
Operator : JC/SP
Sample : K2633-19 50X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB1

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	2.5	ug/L	126556	1	5.88	2494080	50.0
(DEL) Alkane: Str...	5.53	3.1	ug/L	153593	1	5.88	2494080	50.0
Benzene, propyl-	10.58	2.6	ug/L	147653	3	11.48	2870760	50.0
Benzene, 1-ethyl-...	10.68	14.4	ug/L	824529	3	11.48	2870760	50.0
Benzene, 1,2,3-tr...	10.77	13.5	ug/L	776966	3	11.48	2870760	50.0
.alpha.-Methylsty...	10.99	6.2	ug/L	353784	3	11.48	2870760	50.0
Benzene, 1-etheny...	11.21	46.3	ug/L	2656820	3	11.48	2870760	50.0
Benzene, 1-etheny...	11.26	17.4	ug/L	996999	3	11.48	2870760	50.0
Bicyclo[4.2.0]oct...	11.62	10.8	ug/L	621323	3	11.48	2870760	50.0
Indane	11.76	11.0	ug/L	629549	3	11.48	2870760	50.0
Indene	11.98	242.0	ug/L	13892900	3	11.48	2870760	50.0
Benzene, 1-methyl...	12.22	2.8	ug/L	160860	3	11.48	2870760	50.0
Benzene, 1-etheny...	12.30	3.4	ug/L	196275	3	11.48	2870760	50.0
2,4-Dimethylstyrene	12.42	11.7	ug/L	672374	3	11.48	2870760	50.0
Benzene, 2-etheny...	12.48	3.2	ug/L	182401	3	11.48	2870760	50.0
Benzene, 1-ethyl-...	12.65	3.0	ug/L	172718	3	11.48	2870760	50.0
Benzene, 1,2,3,5-...	12.70	11.9	ug/L	682287	3	11.48	2870760	50.0
Benzene, 1-methyl...	12.82	9.9	ug/L	568362	3	11.48	2870760	50.0
1H-Indene, 2,3-di...	12.96	3.1	ug/L	176899	3	11.48	2870760	50.0
Benzene, (1-methy...	13.18	49.7	ug/L	2853300	3	11.48	2870760	50.0
2-Methylindene	13.29	59.4	ug/L	3407930	3	11.48	2870760	50.0
1,4-Dihydronaphth...	13.39	9.6	ug/L	549587	3	11.48	2870760	50.0
Benzo[b]thiophene	13.85	15.7	ug/L	899485	3	11.48	2870760	50.0
(DEL) Alkane: Str...	14.14	2.6	ug/L	147598	3	11.48	2870760	50.0
(1-Methylbuta-1,3...	14.28	2.7	ug/L	154612	3	11.48	2870760	50.0
1H-Indene, 1,3-di...	14.33	7.2	ug/L	414411	3	11.48	2870760	50.0
Bicyclo[4.4.1]und...	14.58	2.6	ug/L	149690	3	11.48	2870760	50.0
Naphthalene, 1,2-...	14.73	5.5	ug/L	314238	3	11.48	2870760	50.0
Naphthalene, 1-me...	14.87	425.6	ug/L	24434700	3	11.48	2870760	50.0
Benzo[b]thiophene...	14.98	2.9	ug/L	165225	3	11.48	2870760	50.0
Naphthalene, 2-et...	15.79	7.3	ug/L	421768	3	11.48	2870760	50.0