LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031709.D
Acq On : 02 May 2019 13:58
Operator : JC/SP
Sample : K2633-13
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJA5

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	110	rBV	208691	331317	0.20%	0.057%
2	1.679	177	183	195	rBV	131988	232210	0.14%	0.040%
3	2.238	347	357	372	rVB	517180	827231	0.51%	0.143%
4	2.692	489	498	518	rVB5	11124	27853	0.02%	0.005%
5	2.929	569	572	574	rBV3	1205	941	0.00%	0.000%
6	2.974	584	586	589	rVB3	1896	961	0.00%	0.000%
7	3.016	595	599	604	rBV7	878	958	0.00%	0.000%
8	3.174	644	648	650	rBV2	1063	773	0.00%	0.000%
9	3.277	666	680	689	rBV9	5926	13175	0.01%	0.002%
10	3.409	719	721	726	rVB2	1094	723	0.00%	0.000%
11	3.441	726	731	733	rBV5	800	836	0.00%	0.000%
12	3.492	741	747	753	rBV7	1432	1689	0.00%	0.000%
13	3.537	756	761	765	rVB6	1171	1238	0.00%	0.000%
14	3.582	772	775	777	rVV2	1018	731	0.00%	0.000%
15	3.605	780	782	787	rVB3	1485	1060	0.00%	0.000%
16	3.634	787	791	794	rBV3	1132	975	0.00%	0.000%
17	3.656	794	798	802	rVB4	1100	943	0.00%	0.000%
18	3.791	836	840	844	rVB3	929	838	0.00%	0.000%
19	3.897	868	873	874	rBV2	1301	1220	0.00%	0.000%
20	4.068	922	926	931	rBV6	948	1085	0.00%	0.000%
21	4.126	940	944	946	rVB2	1190	939	0.00%	0.000%
22	4.212	957	971	1015	rBV2	186080	1011039	0.62%	0.175%
23	4.643	1088	1105	1141	rVB	448856	1262460	0.77%	0.218%
24	4.862	1169	1173	1174	rBV2	1281	919	0.00%	0.000%
25	4.978	1200	1209	1210	rBV9	2700	3065	0.00%	0.001%
26	5.061	1231	1235	1240	rBV4	1675	1890	0.00%	0.000%
27	5.090	1240	1244	1252	rVB6	1523	2020	0.00%	0.000%
28	5.135	1252	1258	1260	rBV6	1003	1037	0.00%	0.000%
29	5.328	1297	1318	1361	rBV2	1130957	3337637	2.04%	0.577%
30	5.540	1382	1384	1388	rVB5	1667	986	0.00%	0.000%
31	5.601	1400	1403	1404	rBV3	1143	696	0.00%	0.000%
32	5.617	1404	1408	1410	rBV3	3356	3017	0.00%	0.001%
33	5.679	1424	1427	1430	rBV3	2094	1495	0.00%	0.000%
34	5.724	1439	1441	1444	rBV3	1088	770	0.00%	0.000%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031709.D
Acq On : 02 May 2019 13:58
Operator : JC/SP
Sample : K2633-13
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJA5

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	5.881	1475	1490	1539	rBV	1105791	2607266	1.59%	0.451%
36	6.084	1550	1553	1558	rVB5	1756	1190	0.00%	0.000%
37	6.174	1570	1581	1596	rBV5	13671	33727	0.02%	0.006%
38	6.328	1615	1629	1660	rVB	665115	1538890	0.94%	0.266%
39	6.553	1697	1699	1703	rVB4	2381	1332	0.00%	0.000%
40	6.624	1719	1721	1725	rVB4	1325	761	0.00%	0.000%
41	6.646	1725	1728	1734	rBV5	1454	1728	0.00%	0.000%
42	6.900	1797	1807	1810	rBV8	4581	7021	0.00%	0.001%
43	7.010	1839	1841	1846	rVB5	1806	1099	0.00%	0.000%
44	7.228	1897	1909	1940	rBV	345194	792601	0.48%	0.137%
45	7.563	1999	2013	2035	rBV	1233008	2455309	1.50%	0.425%
46	7.855	2093	2104	2133	rVB	217143	520507	0.32%	0.090%
47	8.225	2211	2219	2231	rBV8	8755	15213	0.01%	0.003%
48	8.344	2240	2256	2291	rBV	914318	2472241	1.51%	0.428%
49	8.749	2375	2382	2391	rBV8	8724	13819	0.01%	0.002%
50	9.093	2476	2489	2525	rBV	1517461	3130525	1.91%	0.542%
51	9.251	2526	2538	2562	rVV	1915014	3539366	2.16%	0.612%
52	9.376	2564	2577	2591	rVV	4262098	7928712	4.84%	1.372%
53	9.440	2593	2597	2619	rVB	190384	299857	0.18%	0.052%
54	9.781	2691	2703	2737	rVB	3824416	6929999	4.23%	1.199%
55	9.952	2750	2756	2765	rVB3	85446	127401	0.08%	0.022%
56	10.167	2815	2823	2834	rBV	134914	242551	0.15%	0.042%
57	10.321	2860	2871	2877	rBV5	78310	172836	0.11%	0.030%
58	10.440	2896	2908	2918	rBV	1074079	1889524	1.15%	0.327%
59	10.588	2945	2954	2971	rBV	669150	1069234	0.65%	0.185%
60	10.682	2972	2983	2987	rBV	2641370	4163626	2.54%	0.720%
61	10.772	3001	3011	3019	rBV	3781276	5836452	3.56%	1.010%
62	10.971	3064	3073	3094	rVB2	1015193	2330249	1.42%	0.403%
63	11.148	3111	3128	3140	rBV	11000154	17176073	10.49%	2.972%
64	11.215	3140	3149	3160	rVB	2380672	3605739	2.20%	0.624%
65	11.402	3199	3207	3212	rBV3	356447	590991	0.36%	0.102%
66	11.485	3224	3233	3243	rBV	1945894	2974347	1.82%	0.515%
67	11.569	3250	3259	3268	rBV	4272252	6439863	3.93%	1.114%
68	11.627	3268	3277	3293	rVB	3177022	4846925	2.96%	0.839%
69	11.765	3309	3320	3329	rBV	3353267	5510303	3.37%	0.953%
70	11.865	3341	3351	3366	rBV5	2414859	4814460	2.94%	0.833%
71	11.984	3375	3388	3398	rBV2	41366822	66832067	40.81%	11.562%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031709.D
Acq On : 02 May 2019 13:58
Operator : JC/SP
Sample : K2633-13
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJA5

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	12.148	3430	3439	3442	rBV2	633333	948335	0.58%	0.164%
73	12.247	3456	3470	3478	rBV3	1129402	2324546	1.42%	0.402%
74	12.424	3517	3525	3535	rVB	1566356	2429687	1.48%	0.420%
75	12.485	3537	3544	3557	rBV5	423721	777841	0.48%	0.135%
76	12.646	3588	3594	3602	rVB	1094410	1511066	0.92%	0.261%
77	12.701	3602	3611	3625	rBV	2959756	5127600	3.13%	0.887%
78	12.826	3641	3650	3660	rBV3	1406160	2766968	1.69%	0.479%
79	12.961	3684	3692	3705	rVB	1226750	1855277	1.13%	0.321%
80	13.119	3732	3741	3751	rBV3	4180923	6600377	4.03%	1.142%
81	13.183	3751	3761	3773	rVB	11298765	16979891	10.37%	2.938%
82	13.289	3783	3794	3812	rVB	13819094	22771132	13.91%	3.939%
83	13.386	3815	3824	3839	rVB2	2074642	3652304	2.23%	0.632%
84	13.861	3964	3972	3993	rVB	4402838	7215675	4.41%	1.248%
85	14.141	4051	4059	4065	rBV3	820012	1412928	0.86%	0.244%
86	14.337	4111	4120	4128	rBV2	2047334	3643860	2.23%	0.630%
87	14.585	4191	4197	4211	rVB2	511651	853908	0.52%	0.148%
88	14.730	4236	4242	4258	rVB	964478	1756876	1.07%	0.304%
89	14.820	4262	4270	4276	rVV	1187802	1822218	1.11%	0.315%
90	14.884	4276	4290	4312	rVB3	89629419	163749755	100.00%	28.329%
91	15.064	4333	4346	4378	rVB3	65076123	109679308	66.98%	18.975%
92	15.601	4503	4513	4525	rBV	8703521	12921165	7.89%	2.235%
93	15.794	4565	4573	4581	rBV	4433677	6350592	3.88%	1.099%
94	15.910	4598	4609	4633	rBV	7598278	13321810	8.14%	2.305%
95	16.054	4644	4654	4661	rBV	8328878	13038417	7.96%	2.256%
96	16.186	4689	4695	4706	rVB2	421481	680327	0.42%	0.118%
97	16.257	4708	4717	4719	rBV	936124	1230046	0.75%	0.213%
98	16.427	4762	4770	4787	rVB	626527	994521	0.61%	0.172%
99	16.521	4789	4799	4817	rVB	1673048	3031918	1.85%	0.525%
100	16.733	4858	4865	4884	rVB4	321999	588887	0.36%	0.102%

Sum of corrected areas: 578025766

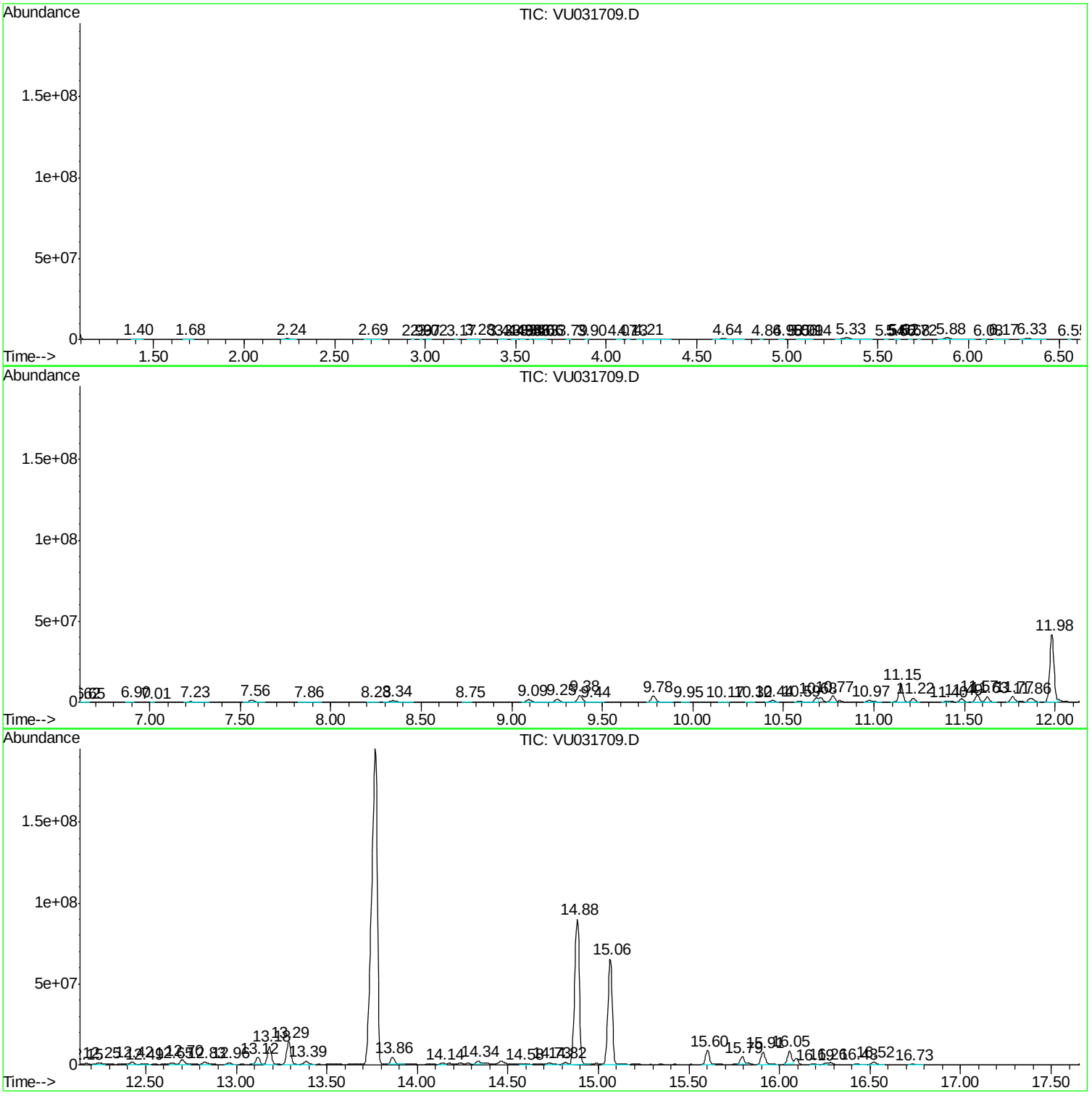
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031709.D
Acq On : 02 May 2019 13:58
Operator : JC/SP
Sample : K2633-13
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJA5

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 : VU031709.D
Acq On : 02 May 2019 13:58
Operator : JC/SP
Sample : K2633-13
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJA5

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

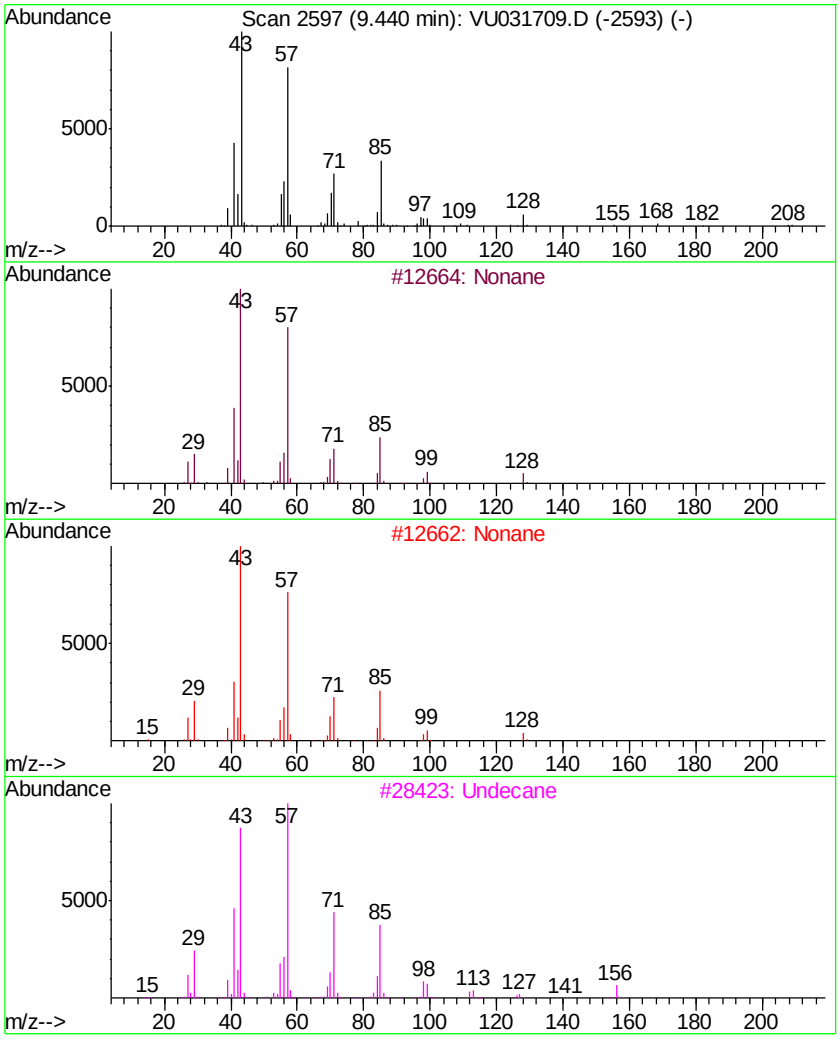
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

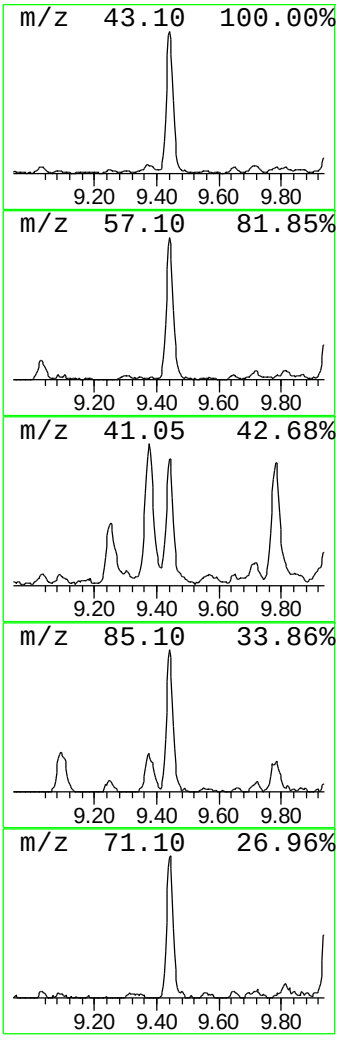
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	4.79 ug/L	299857	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	90
2	Nonane	128	C9H20	000111-84-2	90
3	Undecane	156	C11H24	001120-21-4	78
4	Nonane	128	C9H20	000111-84-2	64
5	Decane	142	C10H22	000124-18-5	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031709.D
Acq On : 02 May 2019 13:58
Operator : JC/SP
Sample : K2633-13
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJA5

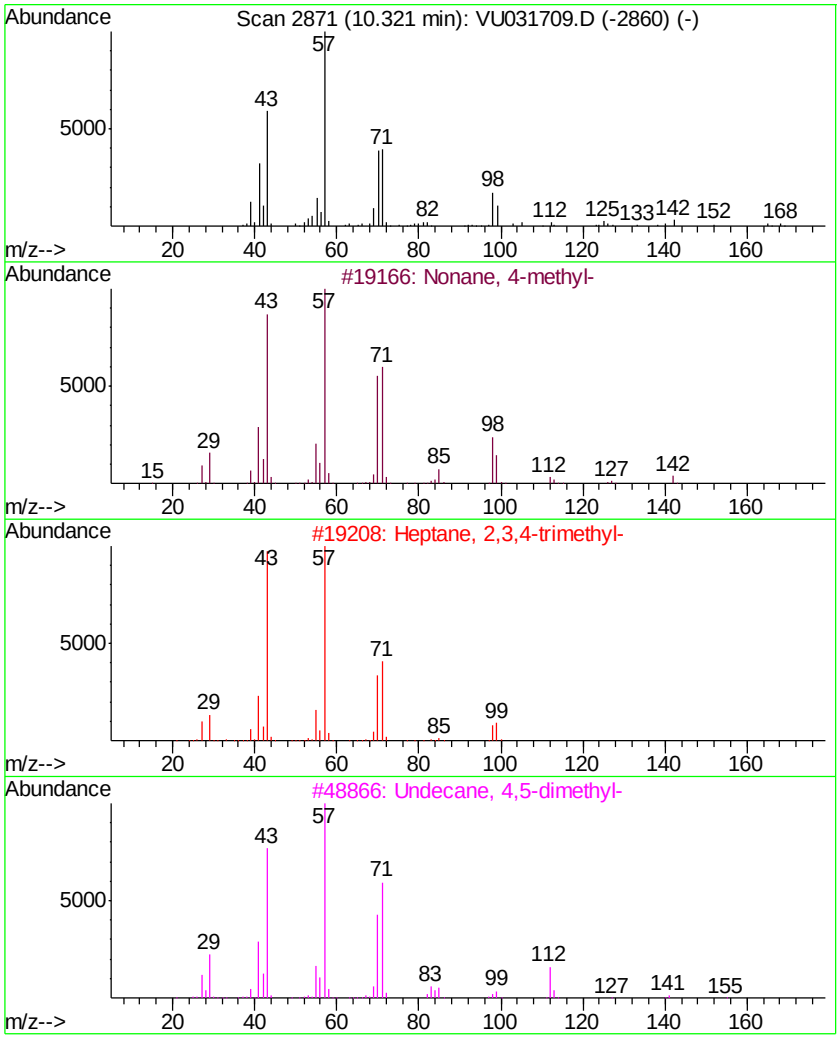
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

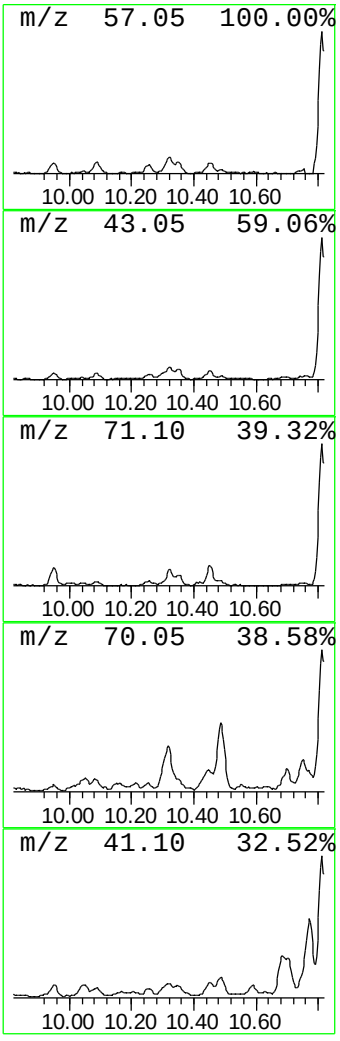
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.32	2.91 ug/L	172836	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	74
2	Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	64
3	Undecane, 4,5-dimethyl-	184	C13H28	017312-79-7	59
4	Nonane, 4-methyl-	142	C10H22	017301-94-9	56
5	Nonane, 4-methyl-	142	C10H22	017301-94-9	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031709.D
Acq On : 02 May 2019 13:58
Operator : JC/SP
Sample : K2633-13
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJA5

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

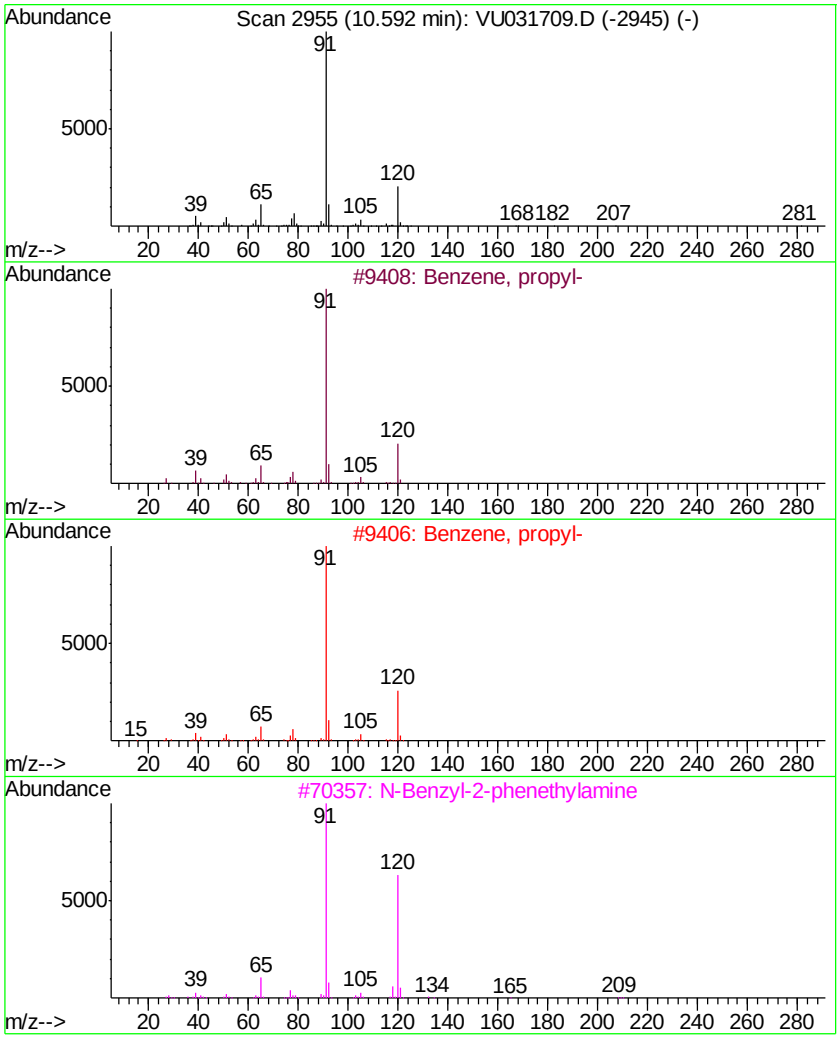
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

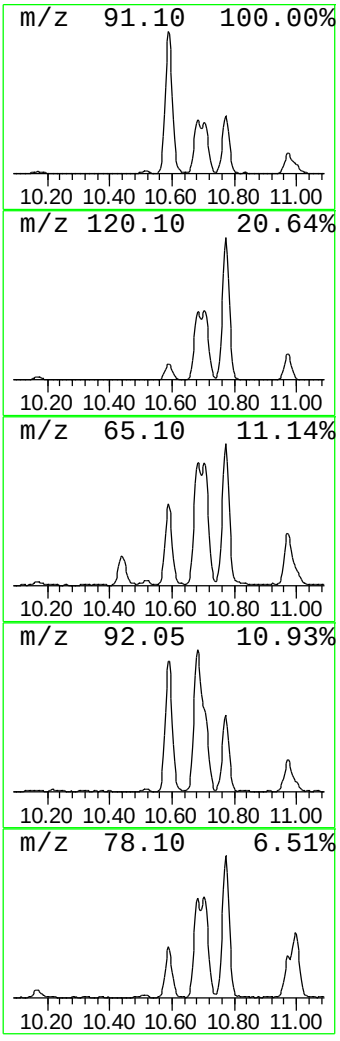
****

Peak Number 4 Benzene, propyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	17.97 ug/L	1069230	1,4-Dichlorobenzene-d4	11.49

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	87
3	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	78
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	74
5	Benzene, propyl-	120	C9H12	000103-65-1	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031709.D
Acq On : 02 May 2019 13:58
Operator : JC/SP
Sample : K2633-13
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJA5

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

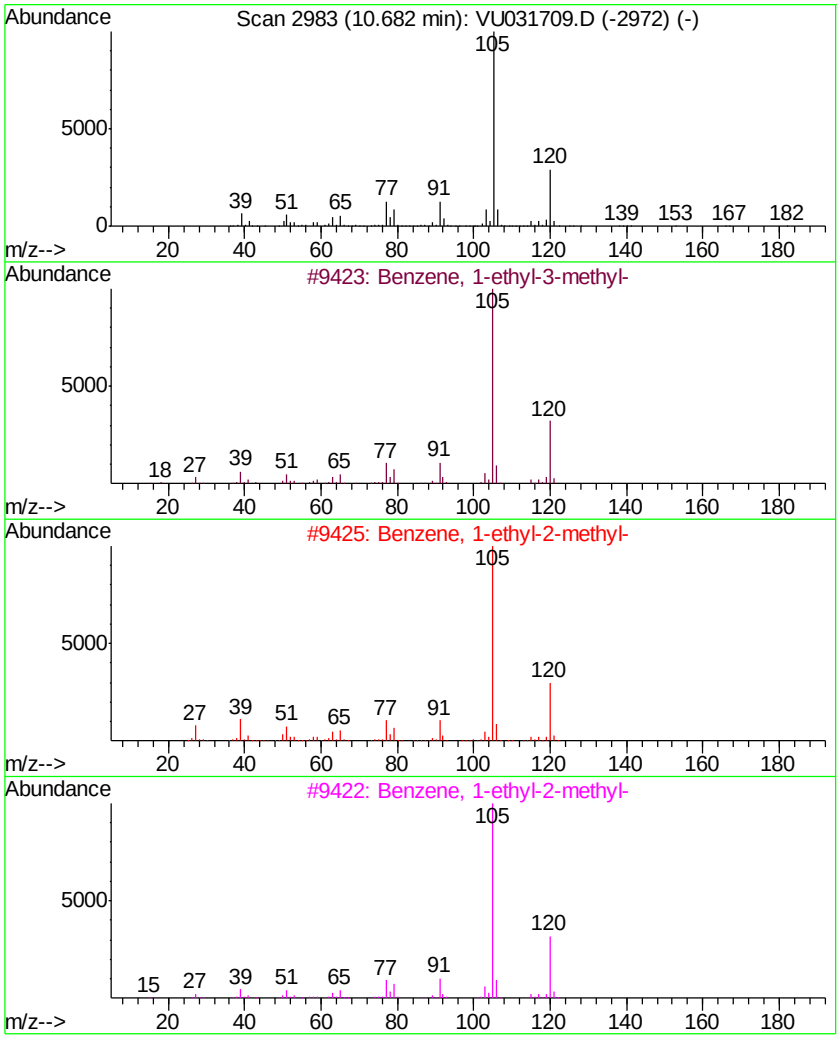
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

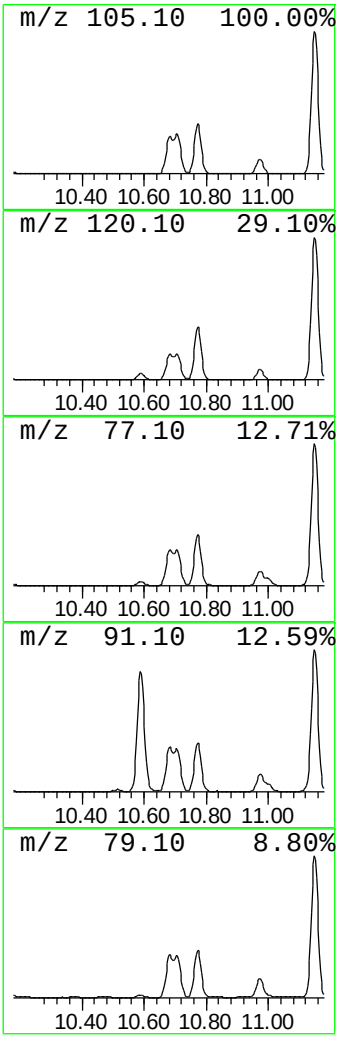
****

Peak Number 5 Benzene, 1-ethyl-3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	69.99 ug/L	4163630	1,4-Dichlorobenzene-d4	11.49

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 : VU031709.D
Acq On : 02 May 2019 13:58
Operator : JC/SP
Sample : K2633-13
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJA5

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

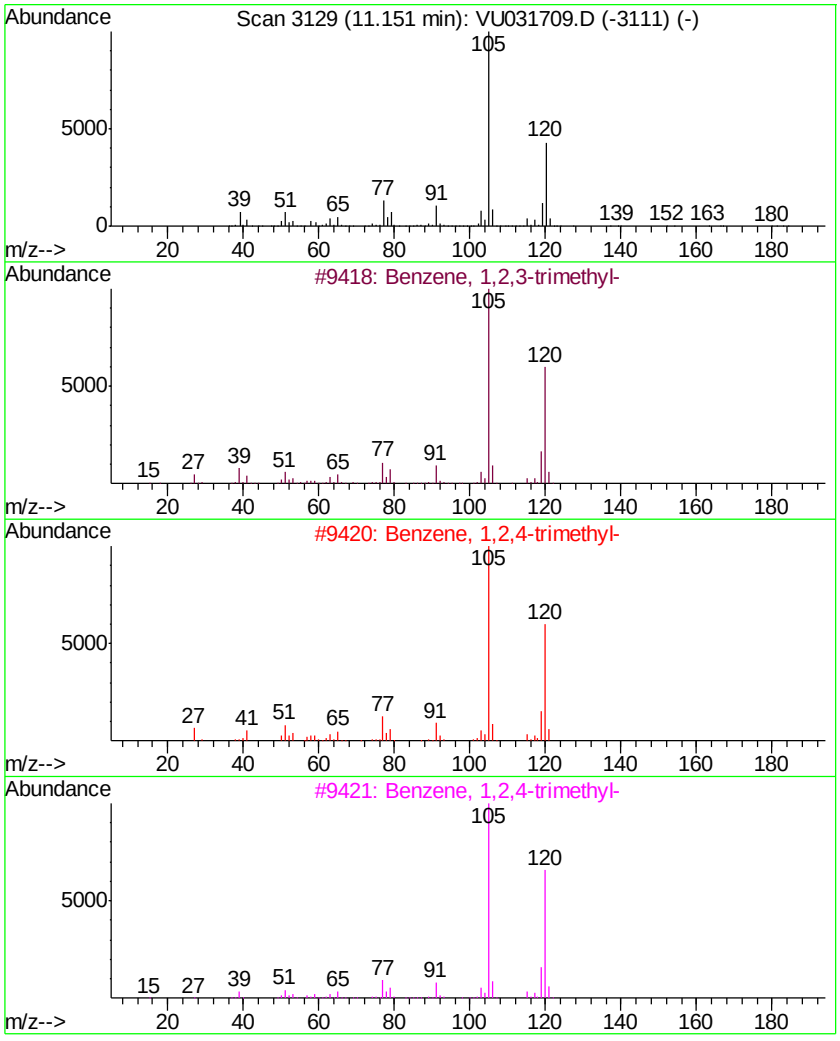
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

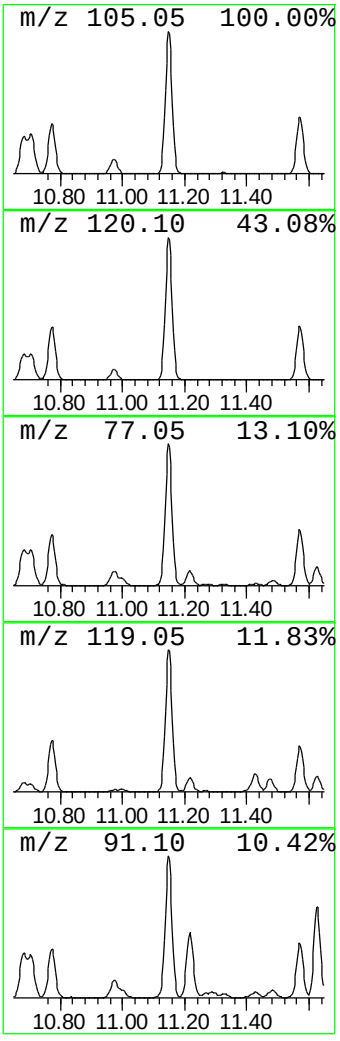
****

Peak Number 8 Benzene, 1,2,3-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.15	288.74 ug/L	17176100	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031709.D
Acq On : 02 May 2019 13:58
Operator : JC/SP
Sample : K2633-13
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJA5

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

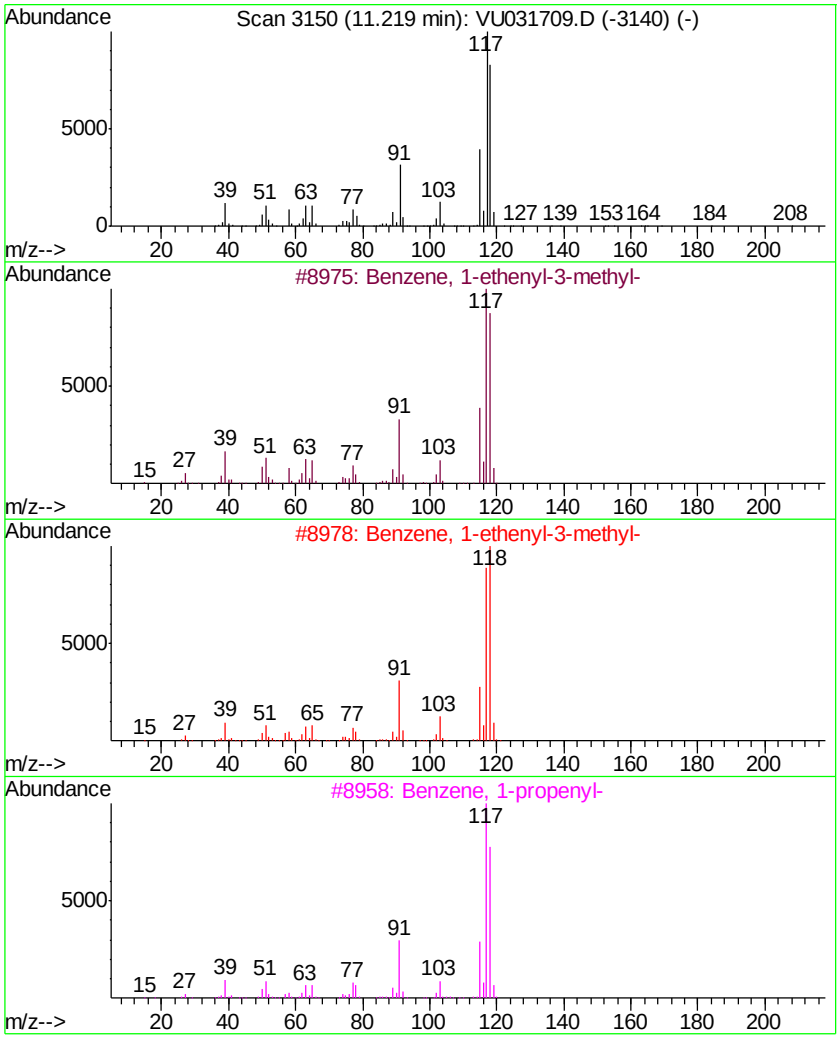
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

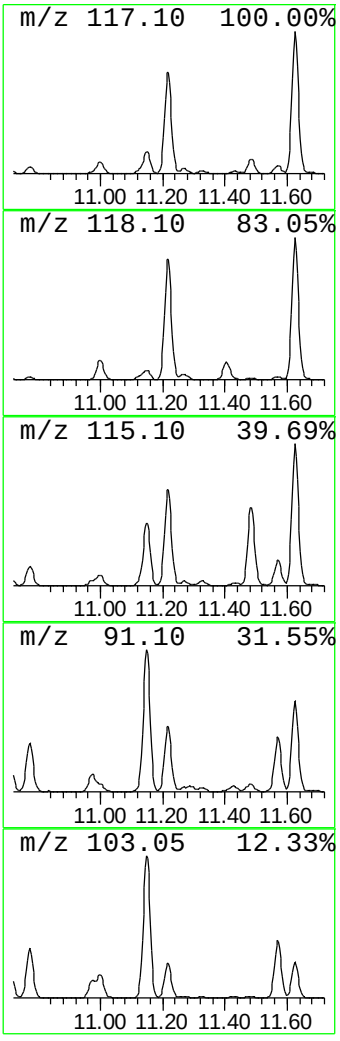
****

Peak Number 9 Benzene, 1-ethenyl-3-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	60.61 ug/L	3605740	1,4-Dichlorobenzene-d4	11.49

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-propenyl-	118	C9H10	000637-50-3	95
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	95
5	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	95





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Data File : VU031709.D
Acq On : 02 May 2019 13:58
Operator : JC/SP
Sample : K2633-13
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJA5

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

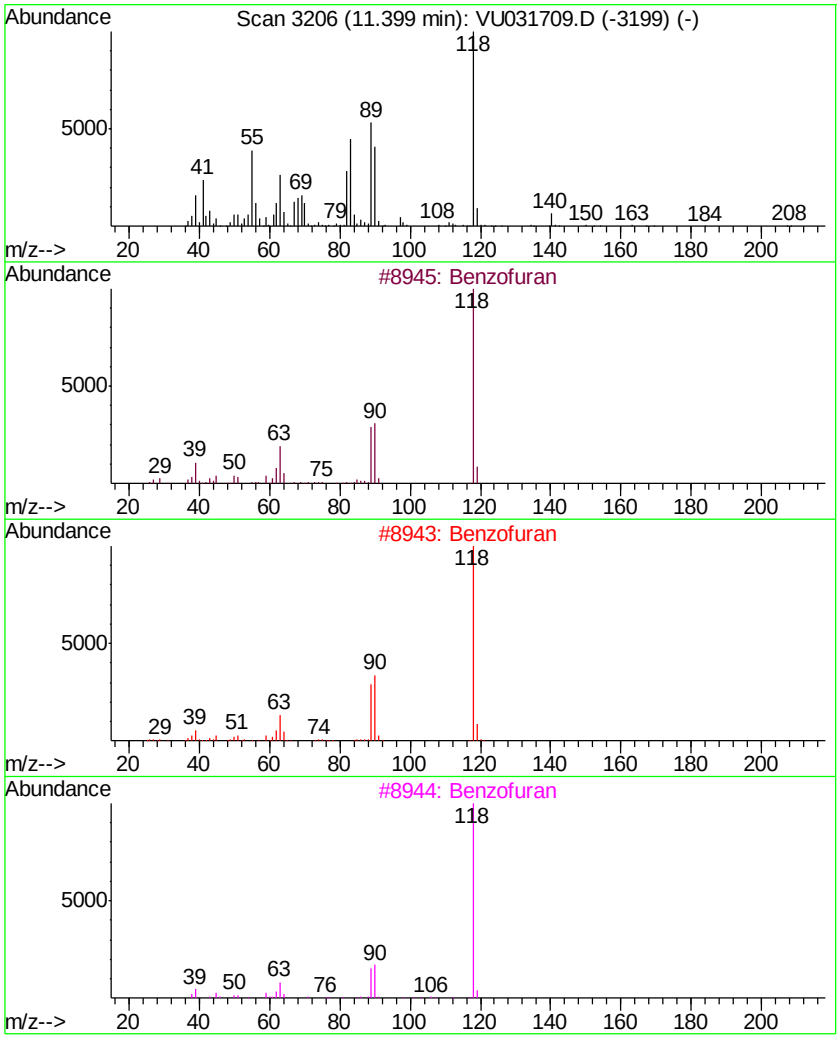
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

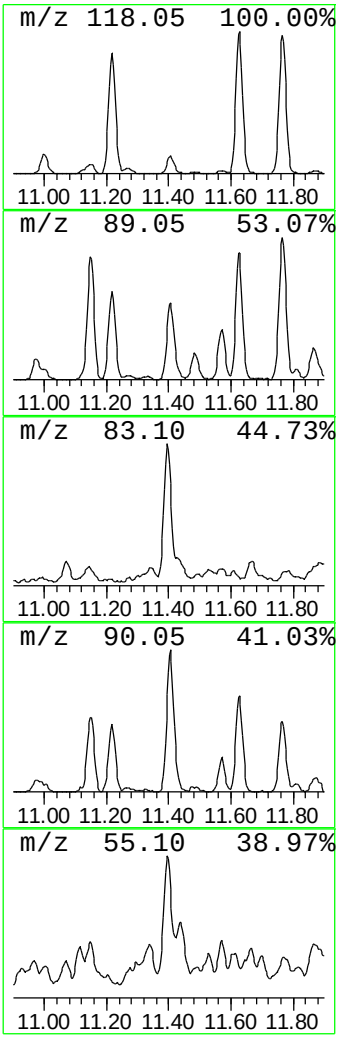
****

Peak Number 10 Benzofuran Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	9.93 ug/L	590991	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran	118	C8H6O	000271-89-6	93
2	Benzofuran	118	C8H6O	000271-89-6	90
3	Benzofuran	118	C8H6O	000271-89-6	81
4	3-Hydroxyphenylacetylene	118	C8H6O	010401-11-3	70
5	Coumarin	146	C9H6O2	000091-64-5	64





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Acq On : 02 May 2019 13:58
Operator : JC/SP
Sample : K2633-13
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJA5

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

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

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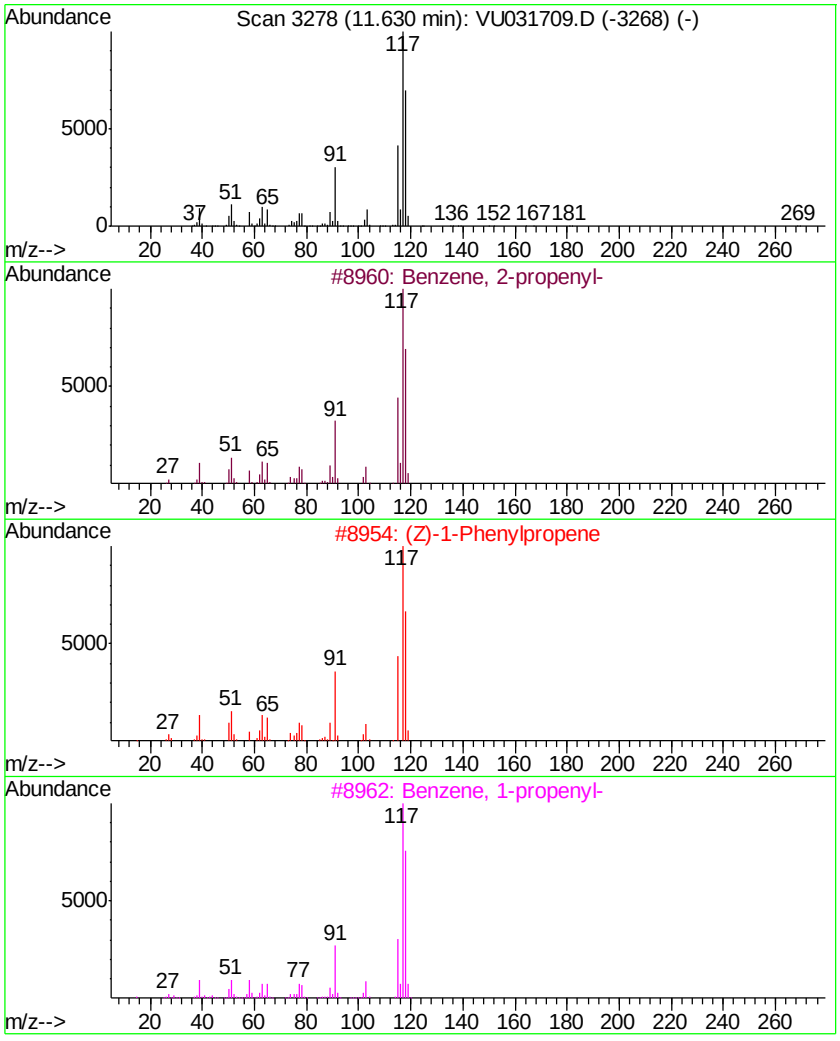
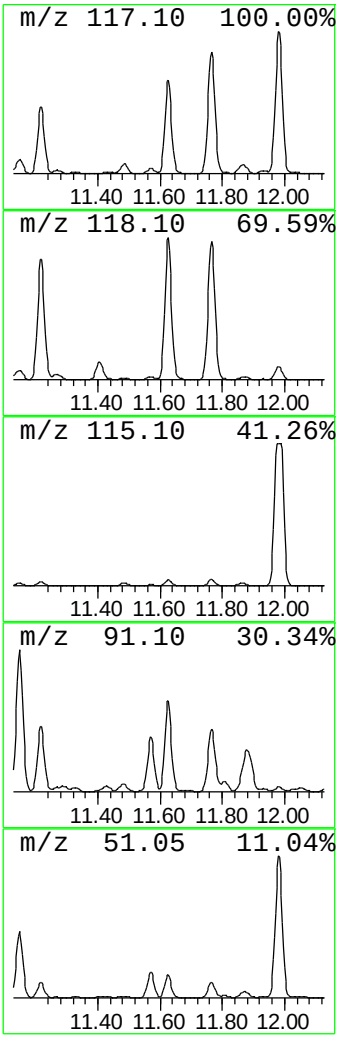
Peak Number 12 Benzene, 2-propenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.63	81.48 ug/L	4846930	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	95
2	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	93
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	93
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	93
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	93





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Data File : VU031709.D
Acq On : 02 May 2019 13:58
Operator : JC/SP
Sample : K2633-13
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJA5

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

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

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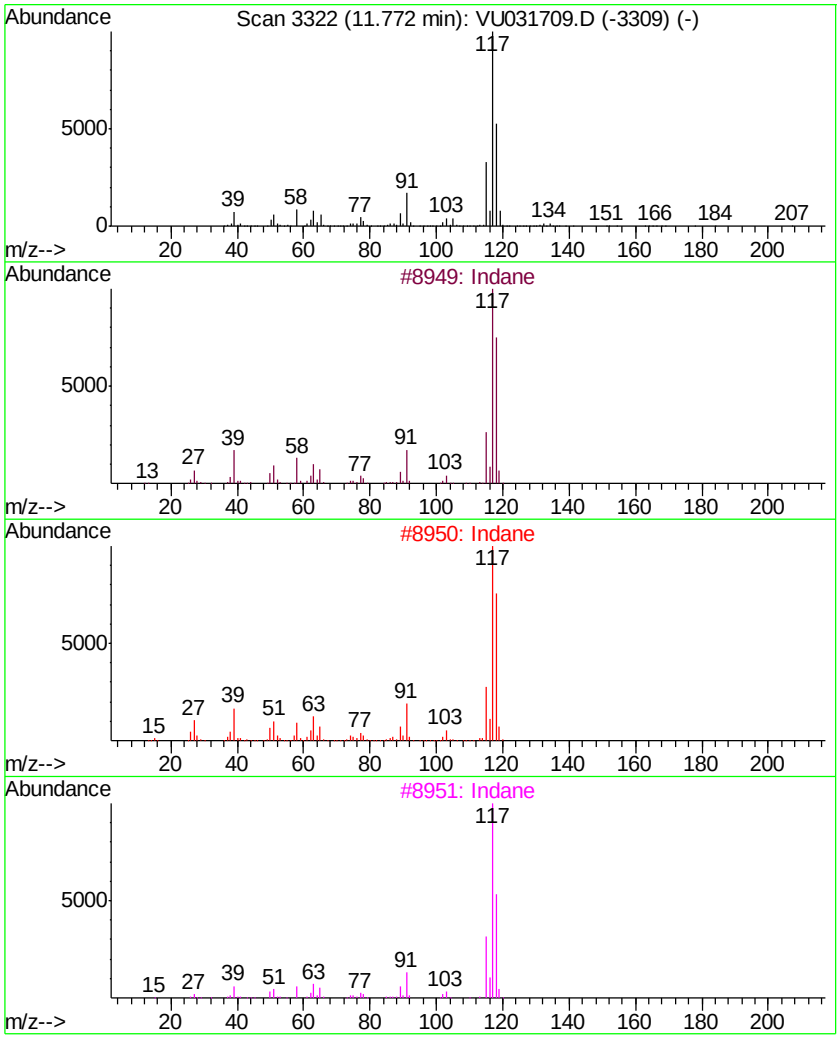
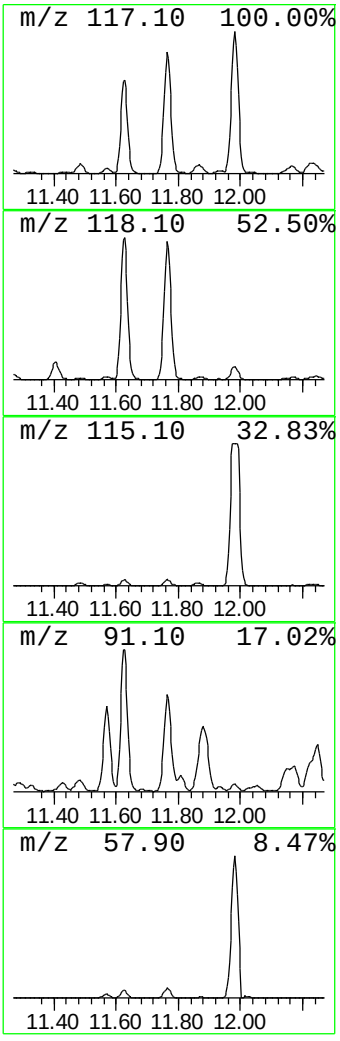
Peak Number 13 Indane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	92.63 ug/L	5510300	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Indane	118	C9H10	000496-11-7	90
3	Indane	118	C9H10	000496-11-7	87
4	Indane	118	C9H10	000496-11-7	83
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	74





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Data File : VU031709.D
Acq On : 02 May 2019 13:58
Operator : JC/SP
Sample : K2633-13
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJA5

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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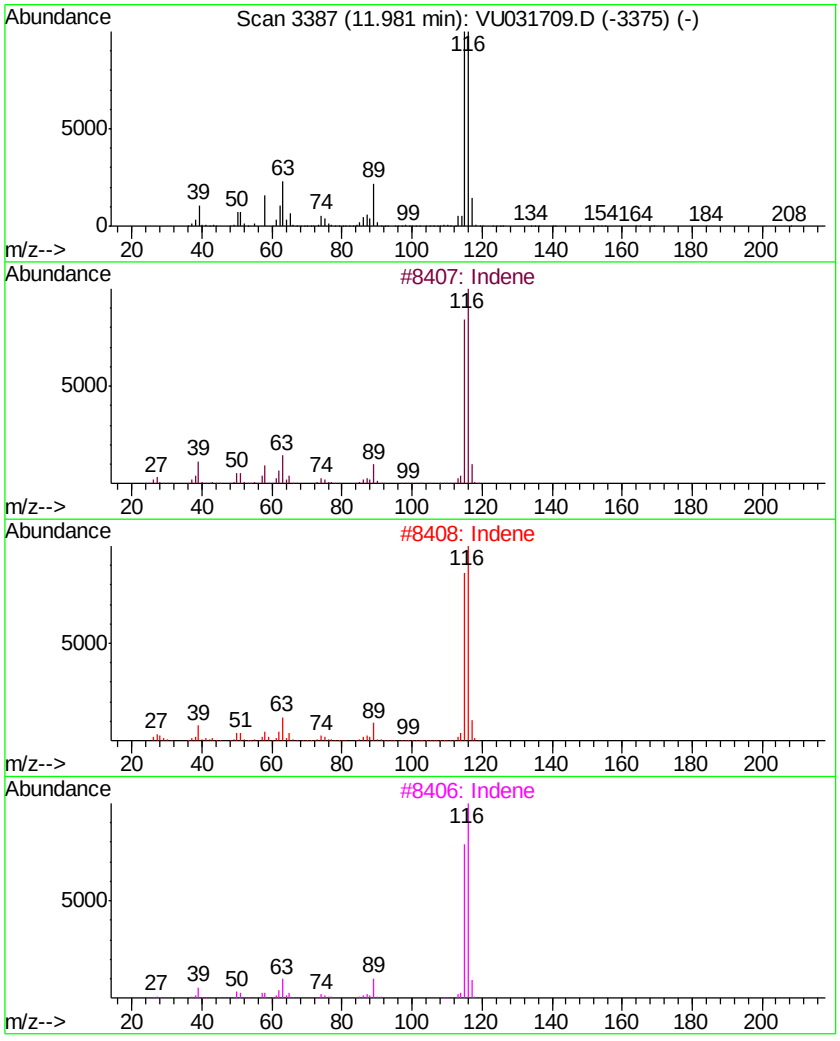
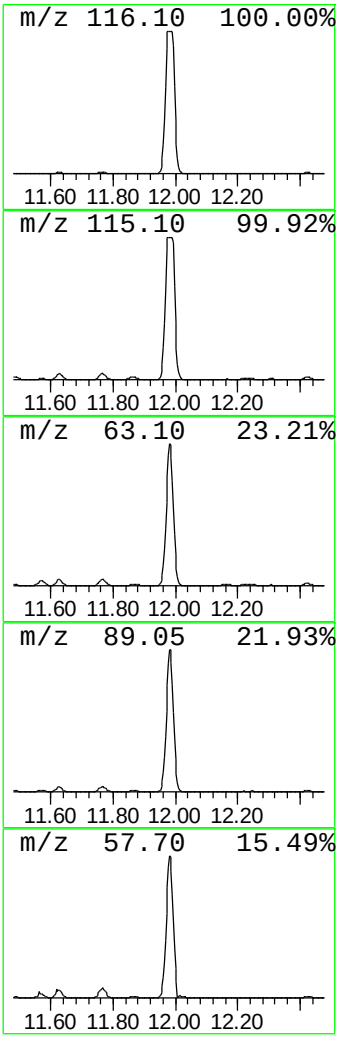
Peak Number 14 Indene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	1123.47 ug/L	66832100	1,4-Dichlorobenzene-d4	11.49

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	86
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031709.D
Acq On : 02 May 2019 13:58
Operator : JC/SP
Sample : K2633-13
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJA5

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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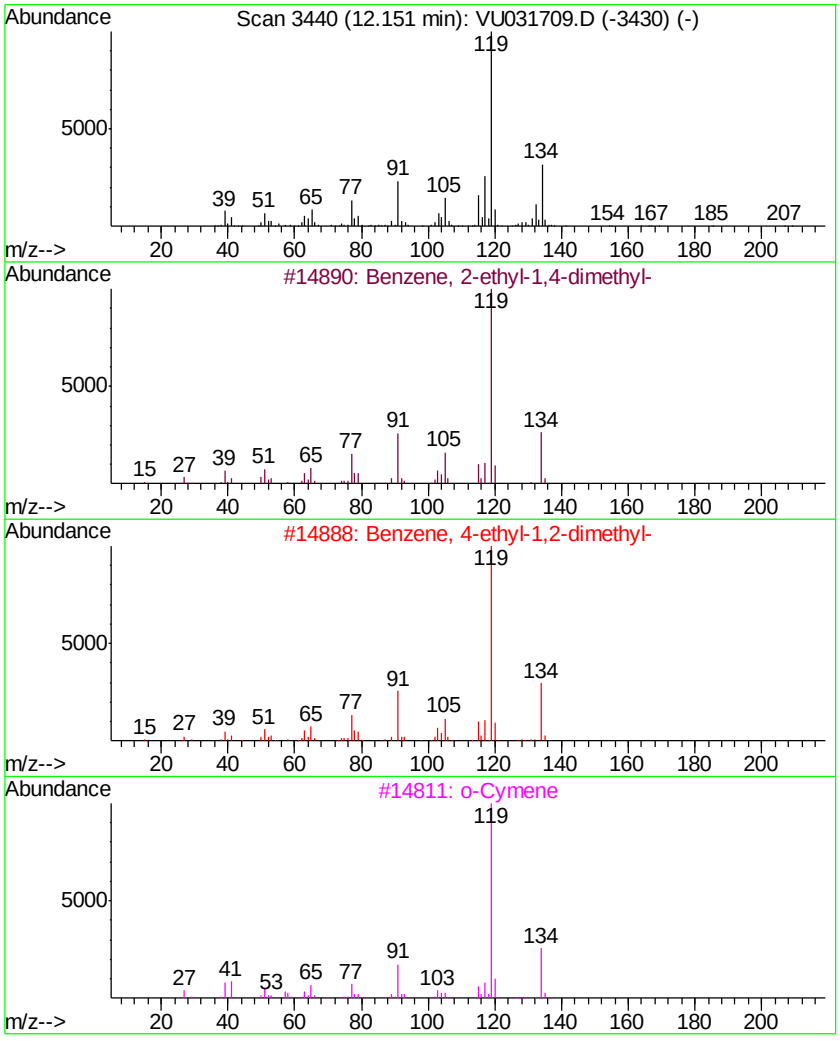
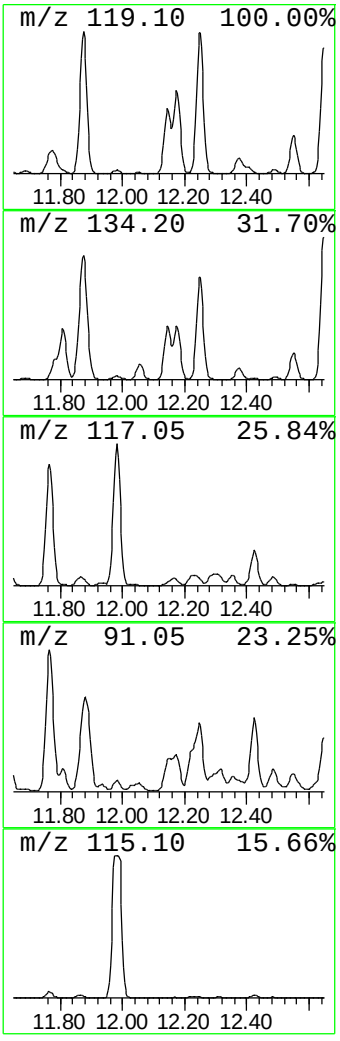
Peak Number 15 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	15.94 ug/L	948335	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
3	o-Cymene	134	C10H14	000527-84-4	93
4	o-Cymene	134	C10H14	000527-84-4	90
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87





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Acq On : 02 May 2019 13:58
Operator : JC/SP
Sample : K2633-13
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJA5

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

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

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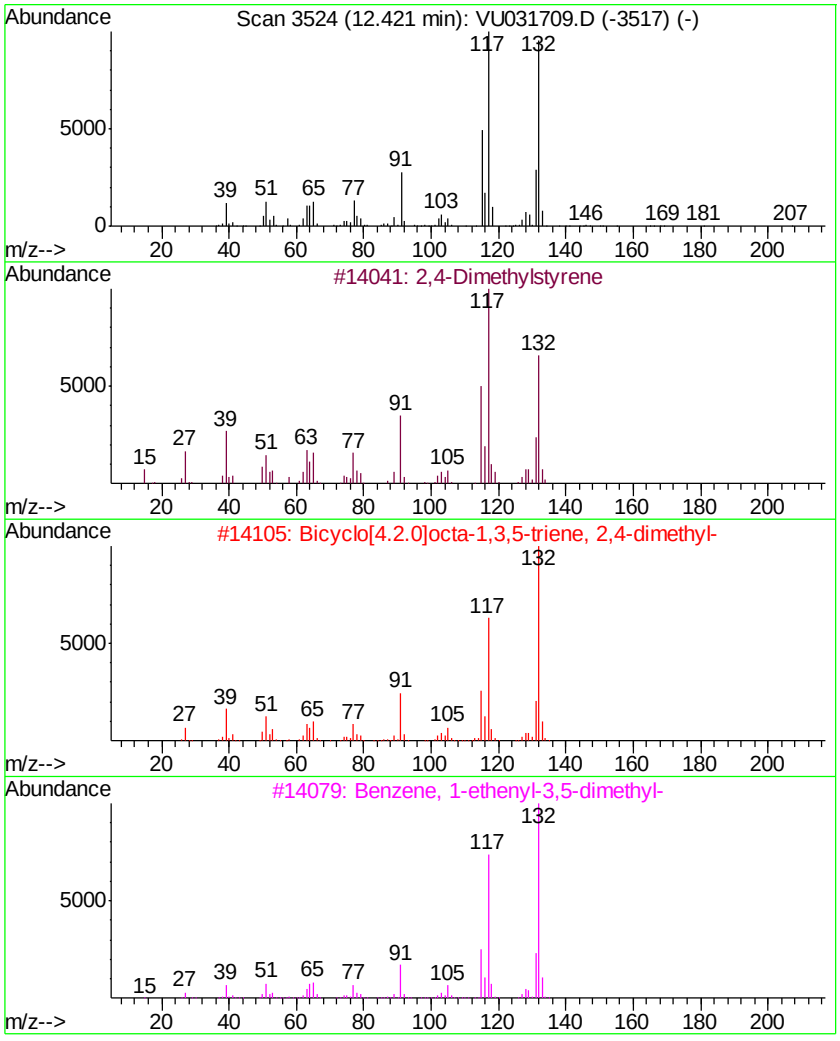
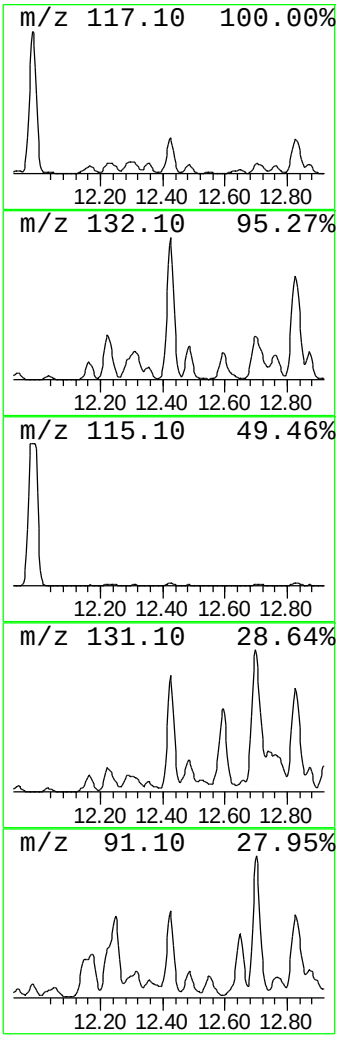
Peak Number 17 2,4-Dimethylstyrene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	40.84 ug/L	2429690	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethylstyrene	132	C10H12	002234-20-0	94
2	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	94
3	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	94
4	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	93
5	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	93





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Acq On : 02 May 2019 13:58
Operator : JC/SP
Sample : K2633-13
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJA5

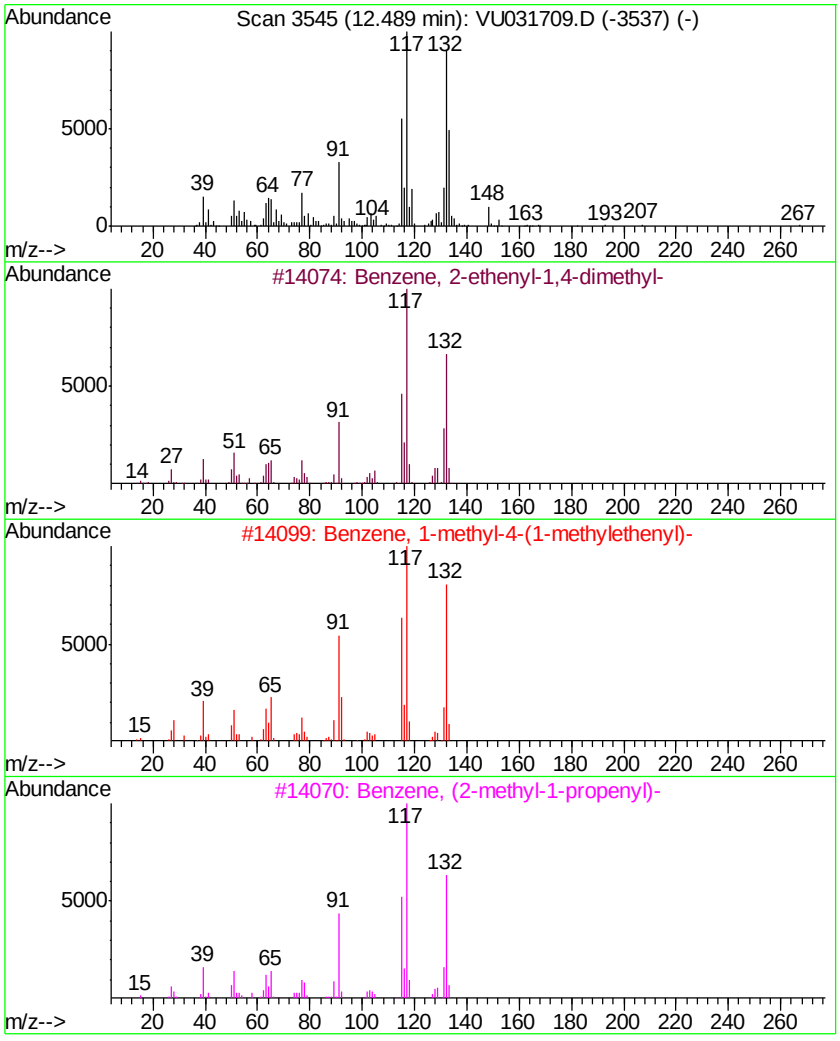
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

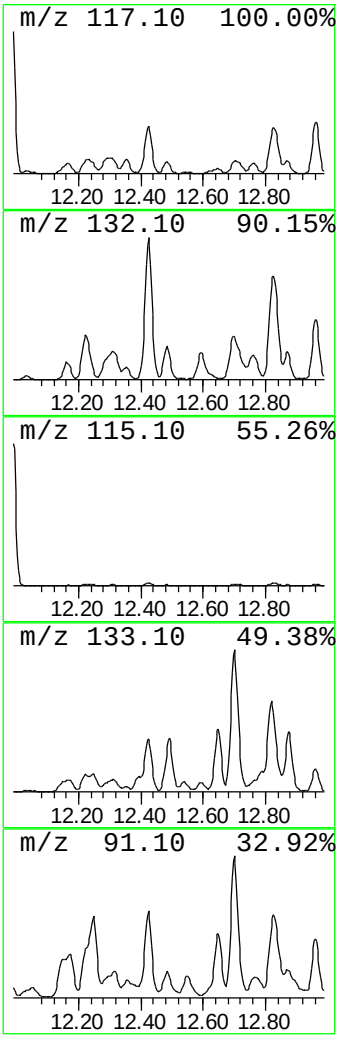
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	13.08 ug/L	777841	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	93
2	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	93
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	91
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	91
5	2,4-Dimethylstyrene	132	C10H12	002234-20-0	90





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Data File : VU031709.D
Acq On : 02 May 2019 13:58
Operator : JC/SP
Sample : K2633-13
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJA5

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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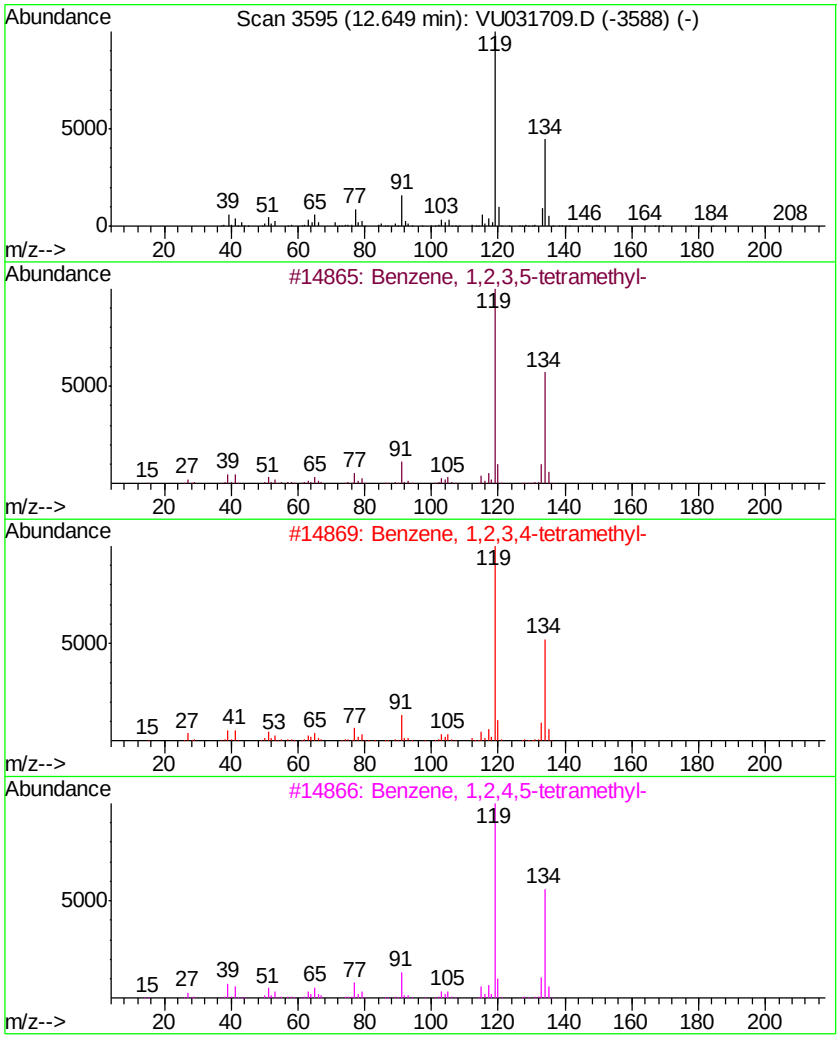
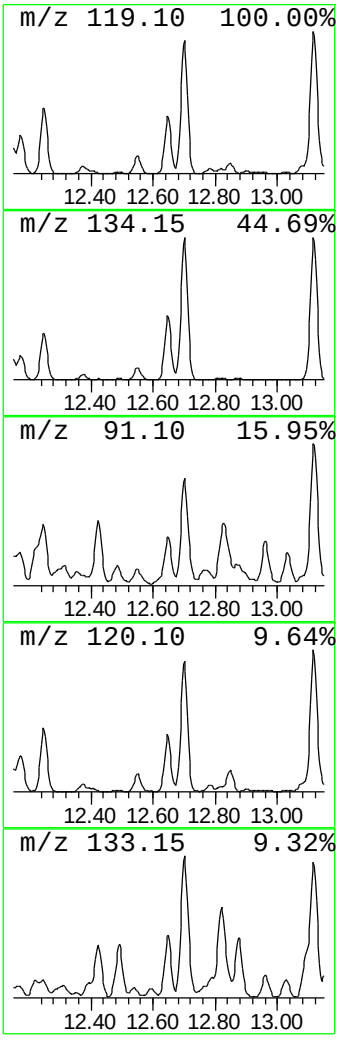
Peak Number 19 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	25.40 ug/L	1511070	1,4-Dichlorobenzene-d4	11.49

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





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Acq On : 02 May 2019 13:58
Operator : JC/SP
Sample : K2633-13
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJA5

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

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

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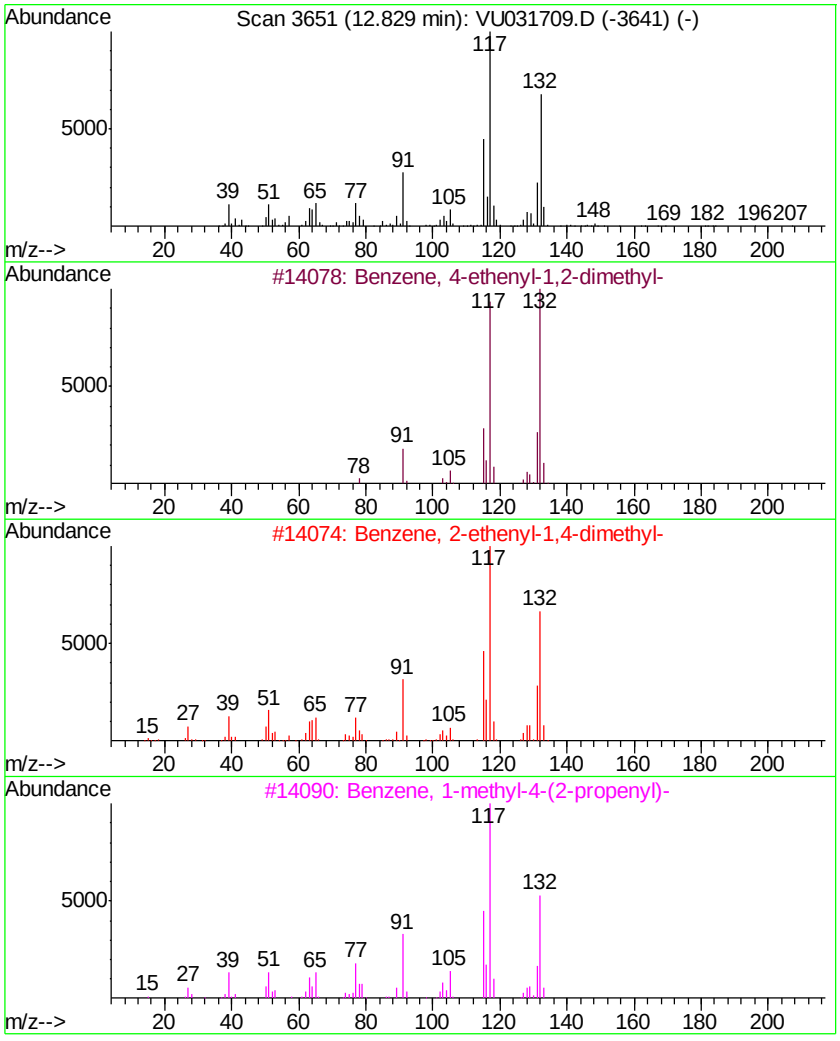
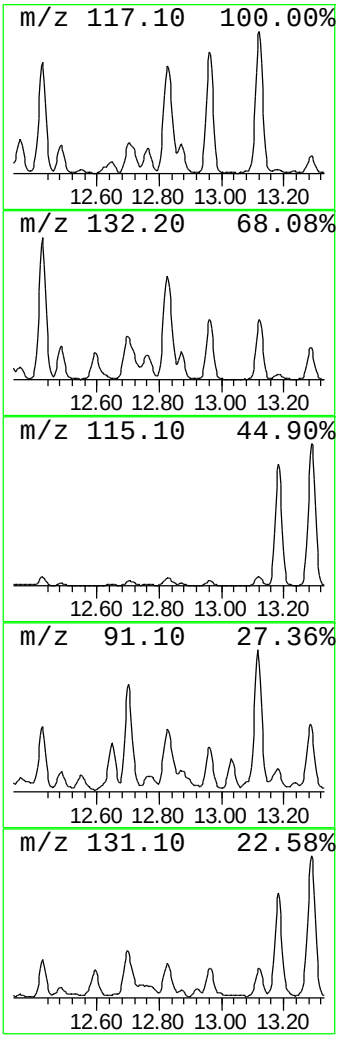
Peak Number 21 Benzene, 4-ethenyl-1,2-dime... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.83	46.51 ug/L	2766970	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	97
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	97
3	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	96
4	2,4-Dimethylstyrene	132	C10H12	002234-20-0	96
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	94





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Data File : VU031709.D
Acq On : 02 May 2019 13:58
Operator : JC/SP
Sample : K2633-13
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJA5

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

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

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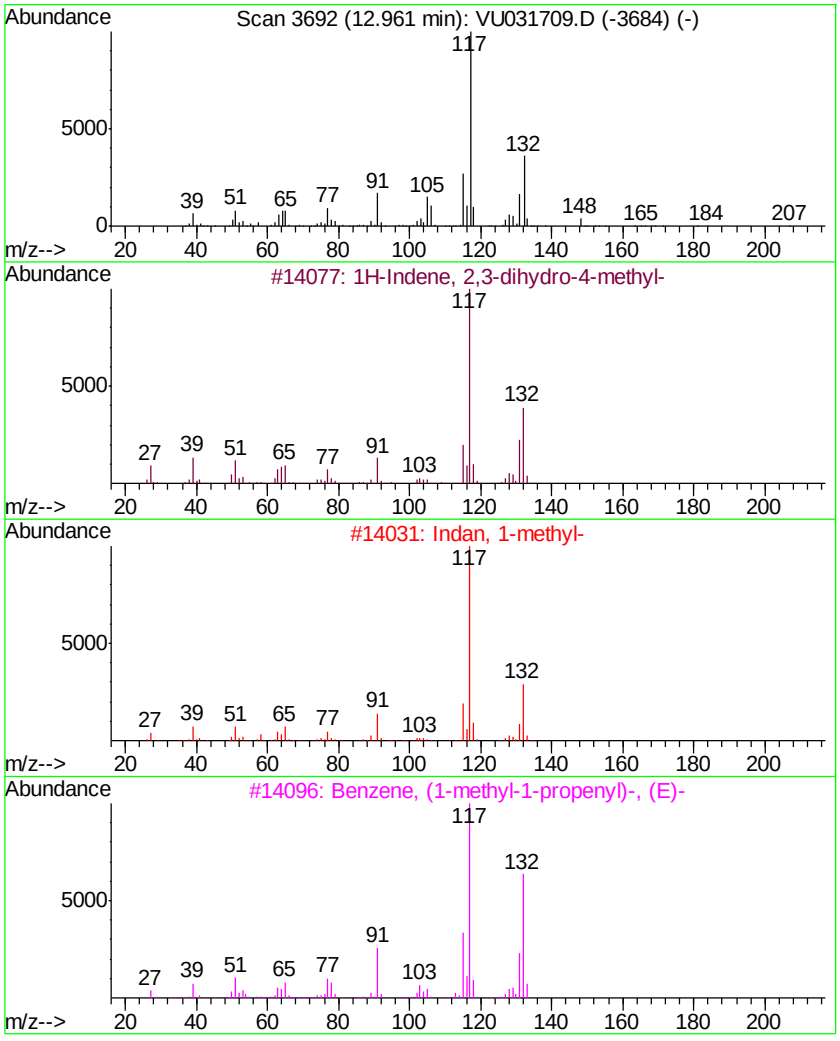
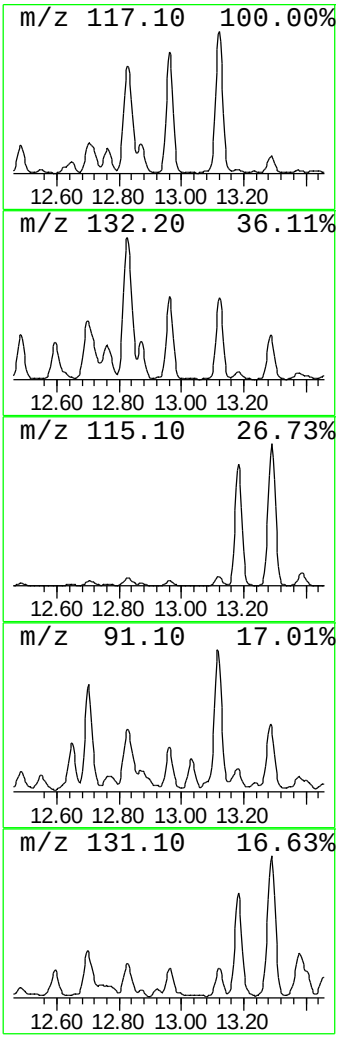
Peak Number 22 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	31.19 ug/L	1855280	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	94
2	Indan, 1-methyl-	132	C10H12	000767-58-8	93
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	93
4	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	90





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Data File : VU031709.D
Acq On : 02 May 2019 13:58
Operator : JC/SP
Sample : K2633-13
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJA5

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

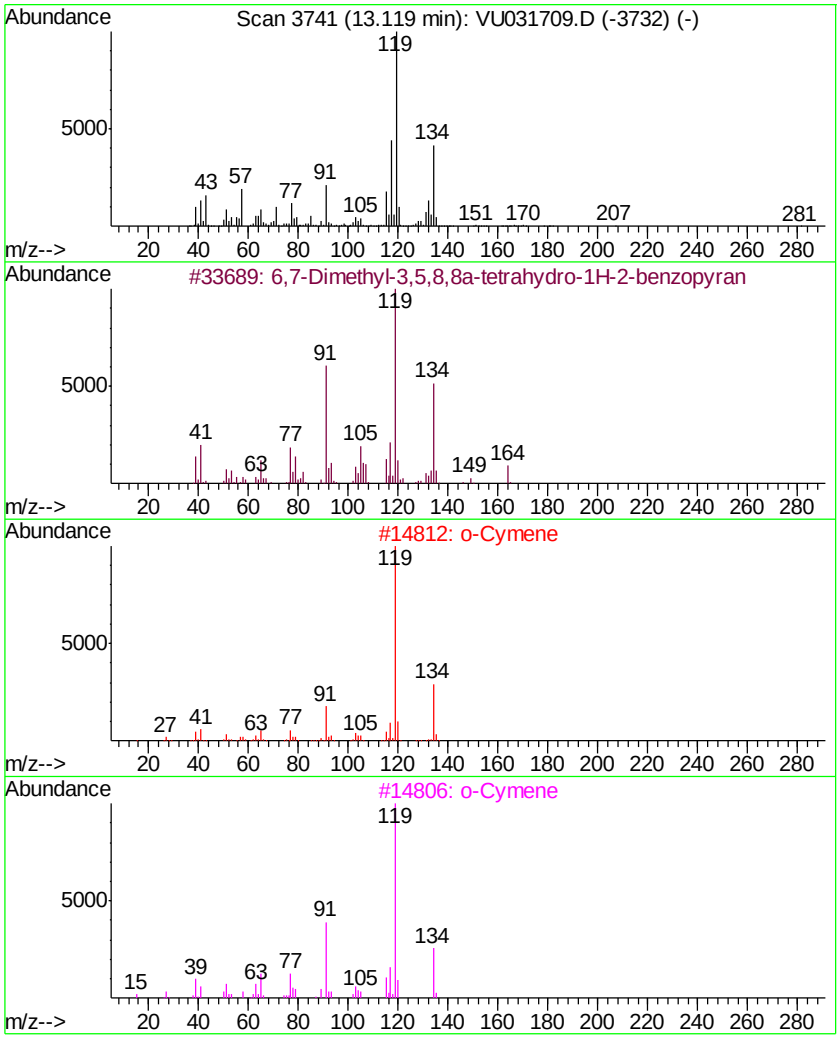
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

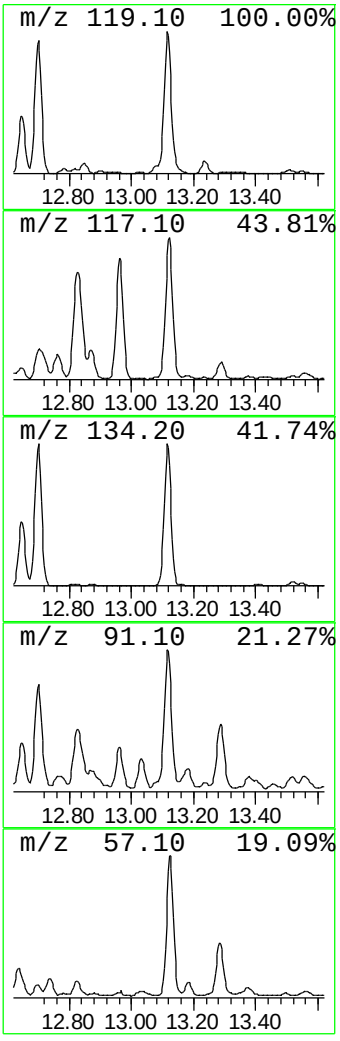
****

Peak Number 23 6,7-Dimethyl-3,5,8,8a-tetra... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	110.96 ug/L	6600380	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6,7-Dimethyl-3,5,8,8a-tetrahydro...	164	C11H16O	110028-10-9	81
2	o-Cymene	134	C10H14	000527-84-4	70
3	o-Cymene	134	C10H14	000527-84-4	70
4	p-Cymene	134	C10H14	000099-87-6	70
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	70





Library Search Compound Report

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Data File : VU031709.D
Acq On : 02 May 2019 13:58
Operator : JC/SP
Sample : K2633-13
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJA5

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

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

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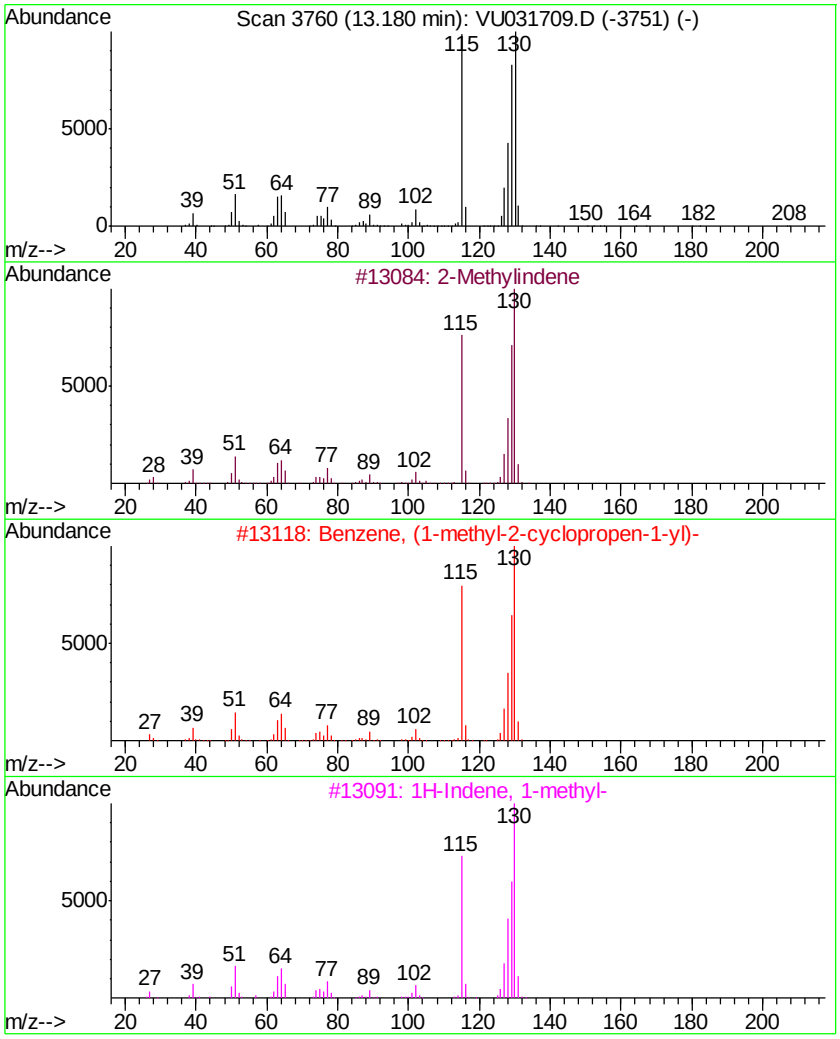
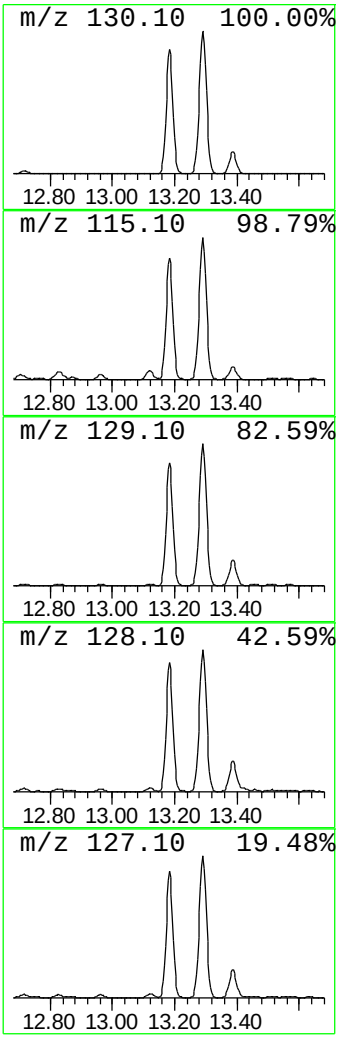
Peak Number 24 2-Methylindene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	285.44 ug/L	16979900	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	97
2	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	97
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
4	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
5	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	95





Library Search Compound Report

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Data File : VU031709.D
Acq On : 02 May 2019 13:58
Operator : JC/SP
Sample : K2633-13
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJA5

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

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

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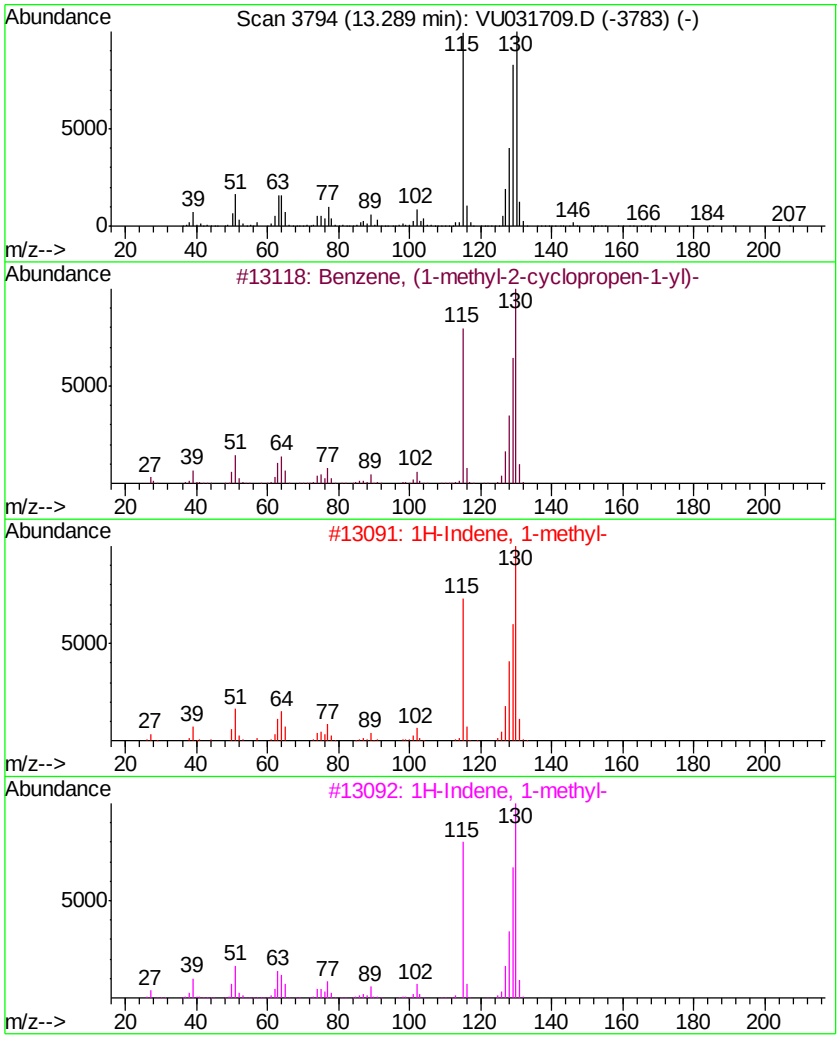
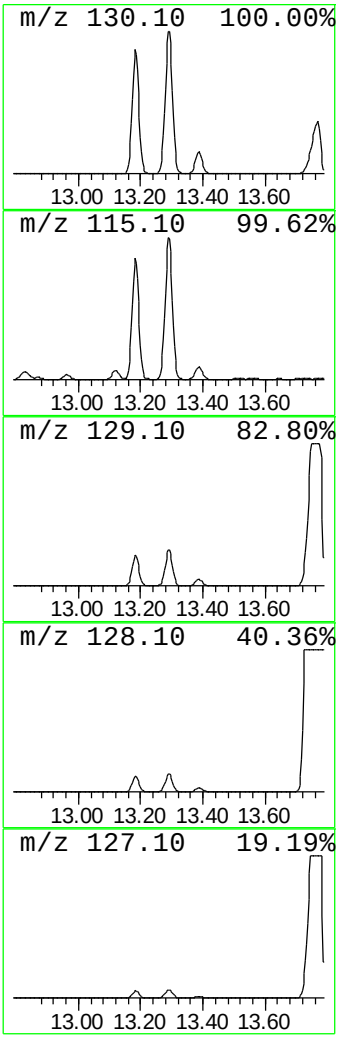
Peak Number 25 Benzene, (1-methyl-2-cyclop... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	382.79 ug/L	22771100	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	97
2	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
4	2-Methylindene	130	C10H10	002177-47-1	96
5	Benzene, 1-butynyl-	130	C10H10	000622-76-4	96





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Data File : VU031709.D
Acq On : 02 May 2019 13:58
Operator : JC/SP
Sample : K2633-13
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJA5

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

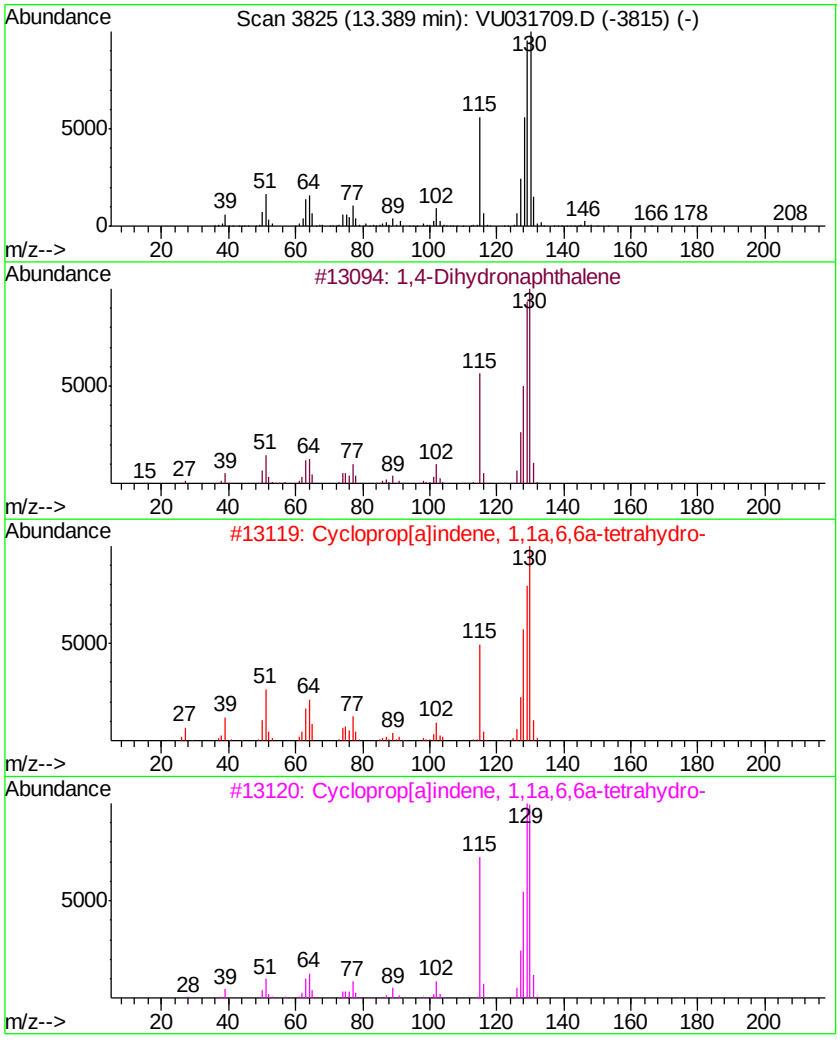
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

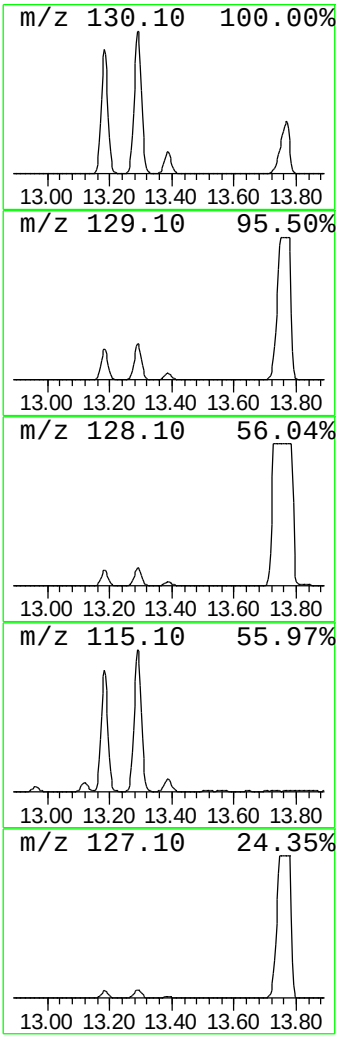
****

Peak Number 26 1,4-Dihydronaphthalene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	61.40 ug/L	3652300	1,4-Dichlorobenzene-d4	11.49

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





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Acq On : 02 May 2019 13:58
Operator : JC/SP
Sample : K2633-13
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJA5

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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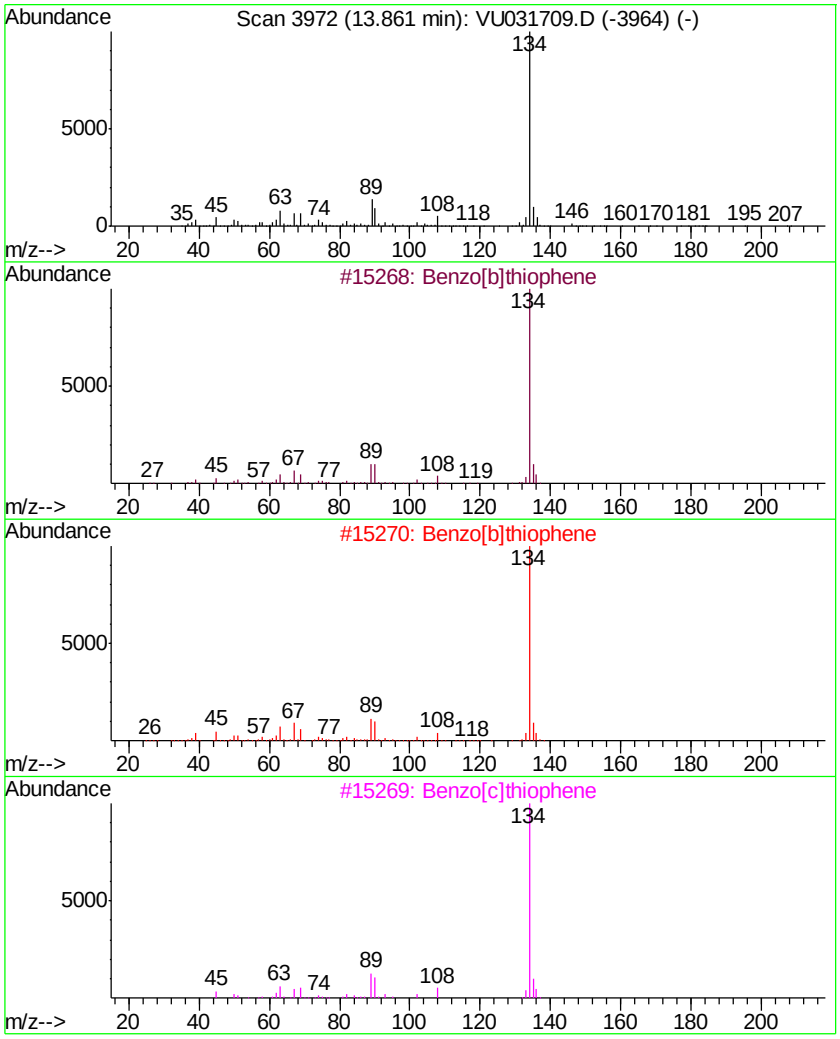
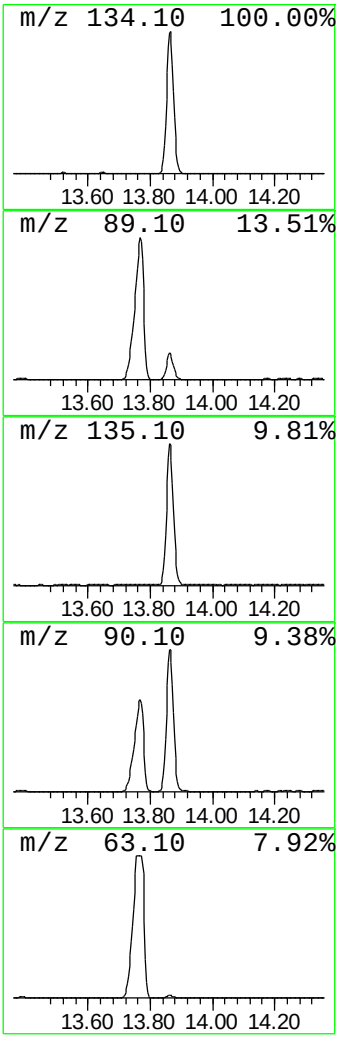
Peak Number 27 Benzo[b]thiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	121.30 ug/L	7215680	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene	134	C8H6S	000095-15-8	97
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	97
3	Benzo[c]thiophene	134	C8H6S	000270-82-6	97
4	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	93





Library Search Compound Report

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Acq On : 02 May 2019 13:58
Operator : JC/SP
Sample : K2633-13
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJA5

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

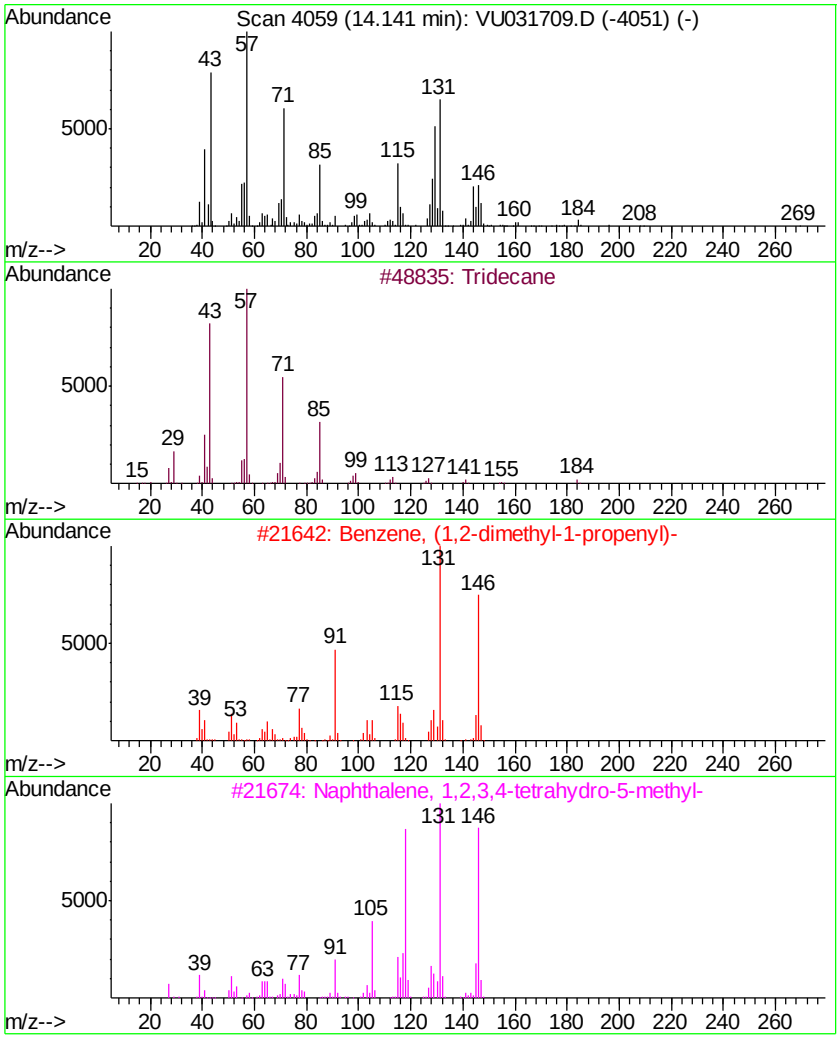
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

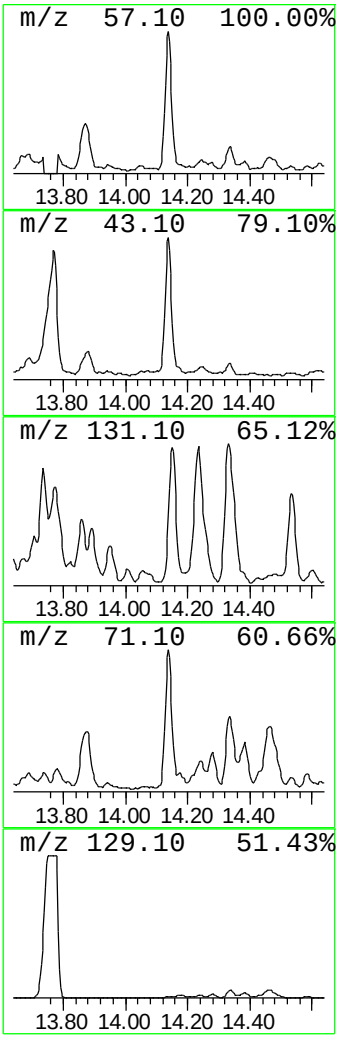
****

Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	23.75 ug/L	1412930	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	53
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	30
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	30
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	30
5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	30





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Data File : VU031709.D
Acq On : 02 May 2019 13:58
Operator : JC/SP
Sample : K2633-13
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJA5

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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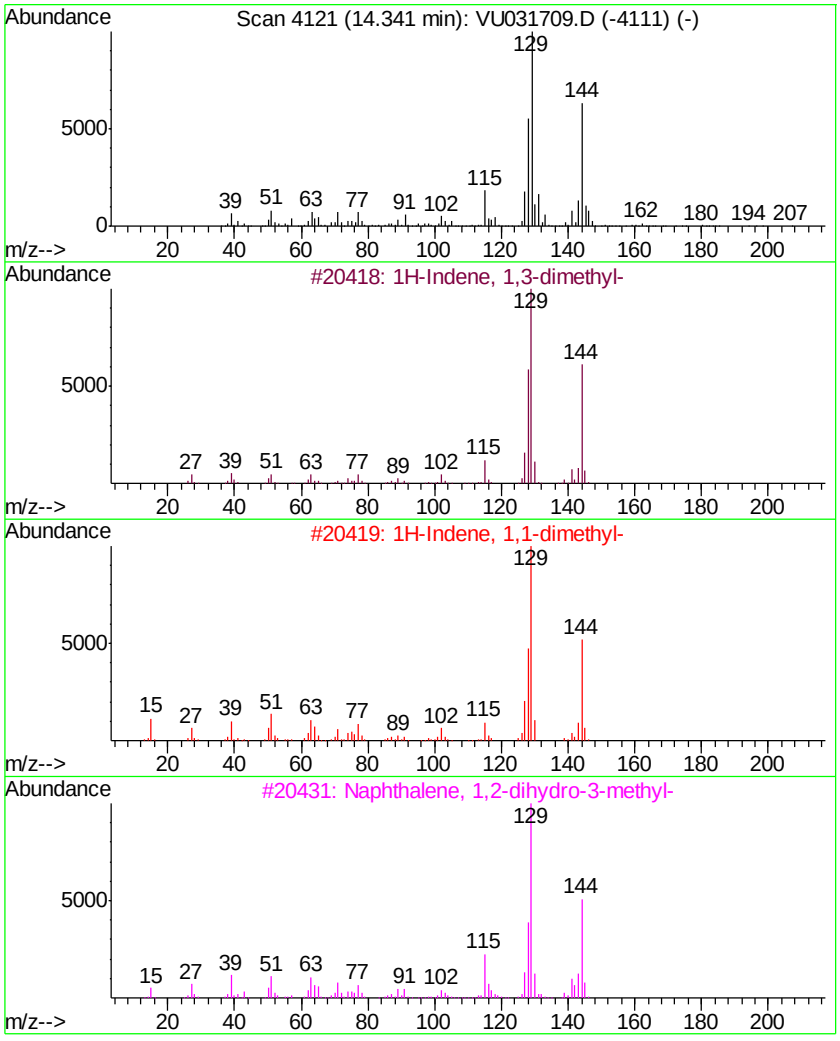
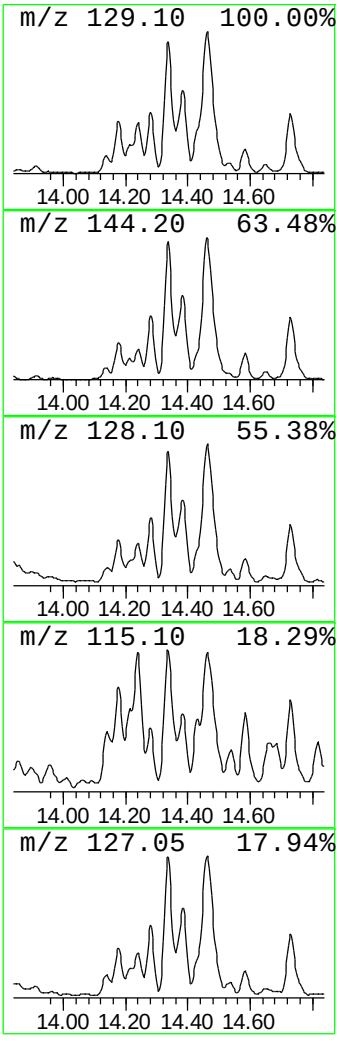
Peak Number 29 1H-Indene, 1,3-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	61.25 ug/L	3643860	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	94
2	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	93
3	Naphthalene, 1,2-dihydro-3-methyl-	144	C11H12	002717-44-4	90
4	1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	90
5	(1-Methylenebut-2-enyl)benzene	144	C11H12	070588-46-4	87





Library Search Compound Report

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Acq On : 02 May 2019 13:58
Operator : JC/SP
Sample : K2633-13
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJA5

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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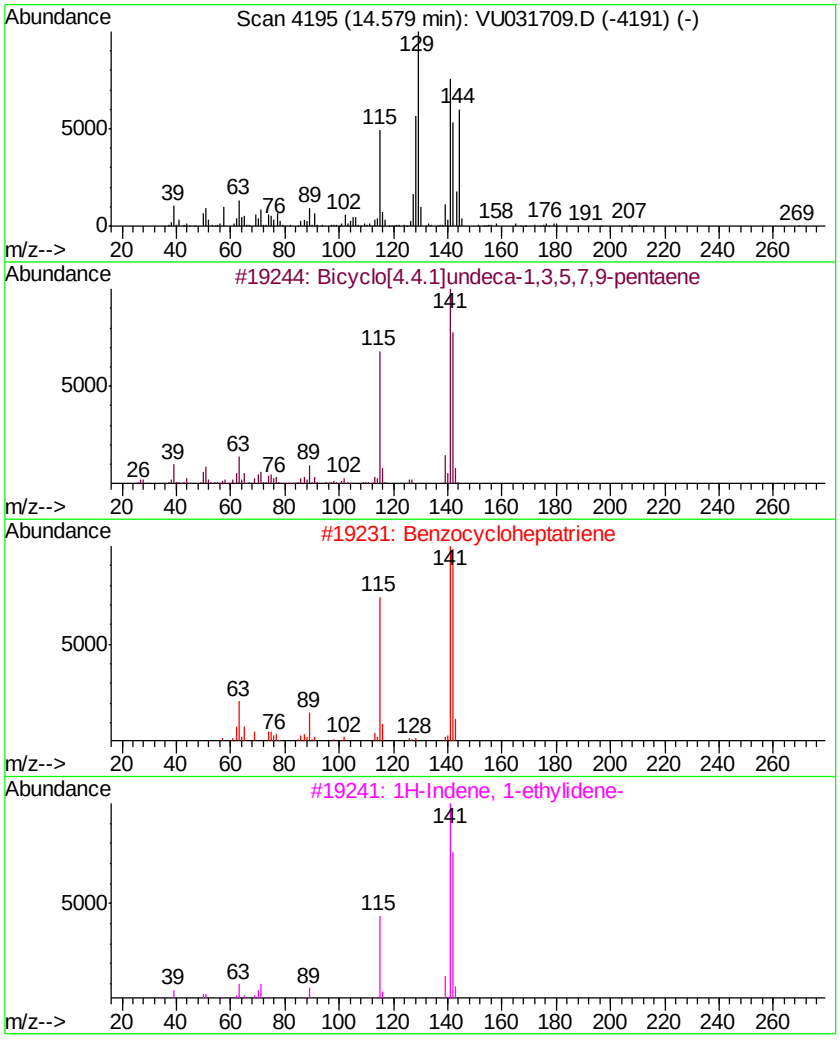
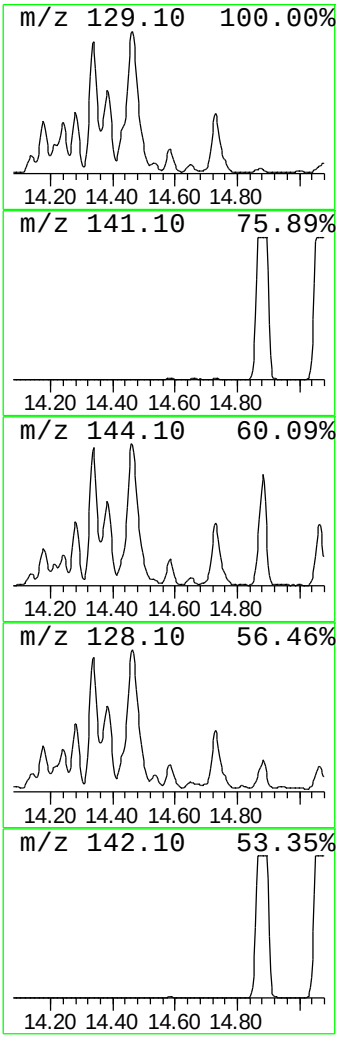
Peak Number 30 Bicyclo[4.4.1]undeca-1,3,5,... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.58	14.35 ug/L	853908	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	86
2	Benzocycloheptatriene	142	C11H10	000264-09-5	86
3	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	80
4	Benzene, 1-cyclopenten-1-yl-	144	C11H12	000825-54-7	60
5	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	55





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Acq On : 02 May 2019 13:58
Operator : JC/SP
Sample : K2633-13
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJA5

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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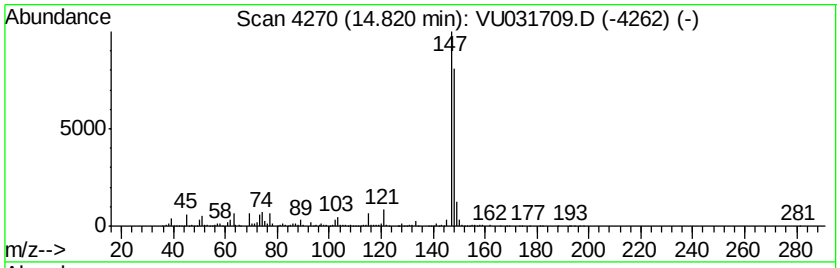
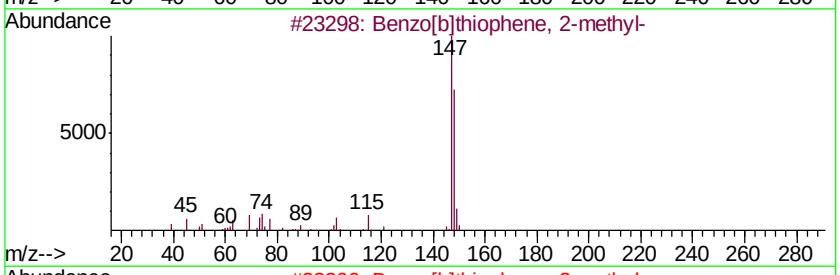
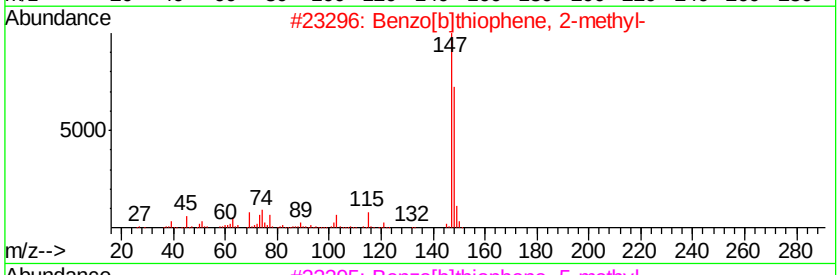
Peak Number 32 Benzo[b]thiophene, 2-methyl- Concentration Rank 28

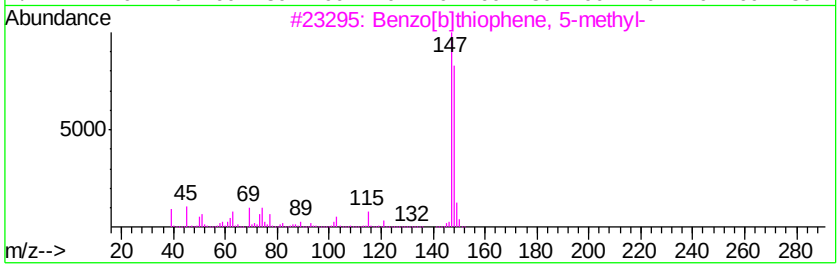
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	30.63 ug/L	1822220	1,4-Dichlorobenzene-d4	11.49

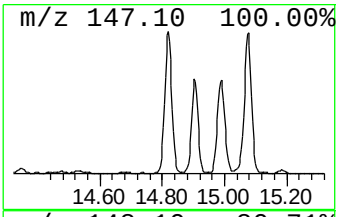
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	91
2	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	91
3	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	91
4	Benzo[b]thiophene, 6-methyl-	148	C9H8S	016587-47-6	91
5	3-Methylbenzothiophene	148	C9H8S	001455-18-1	91

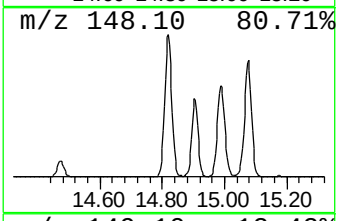


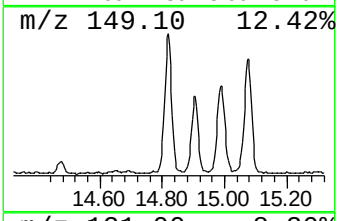


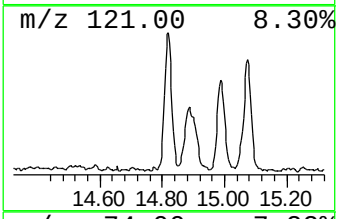


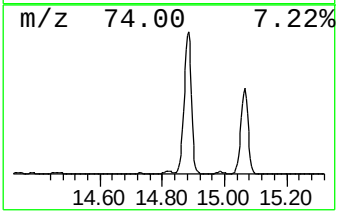












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031709.D
Acq On : 02 May 2019 13:58
Operator : JC/SP
Sample : K2633-13
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJA5

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

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

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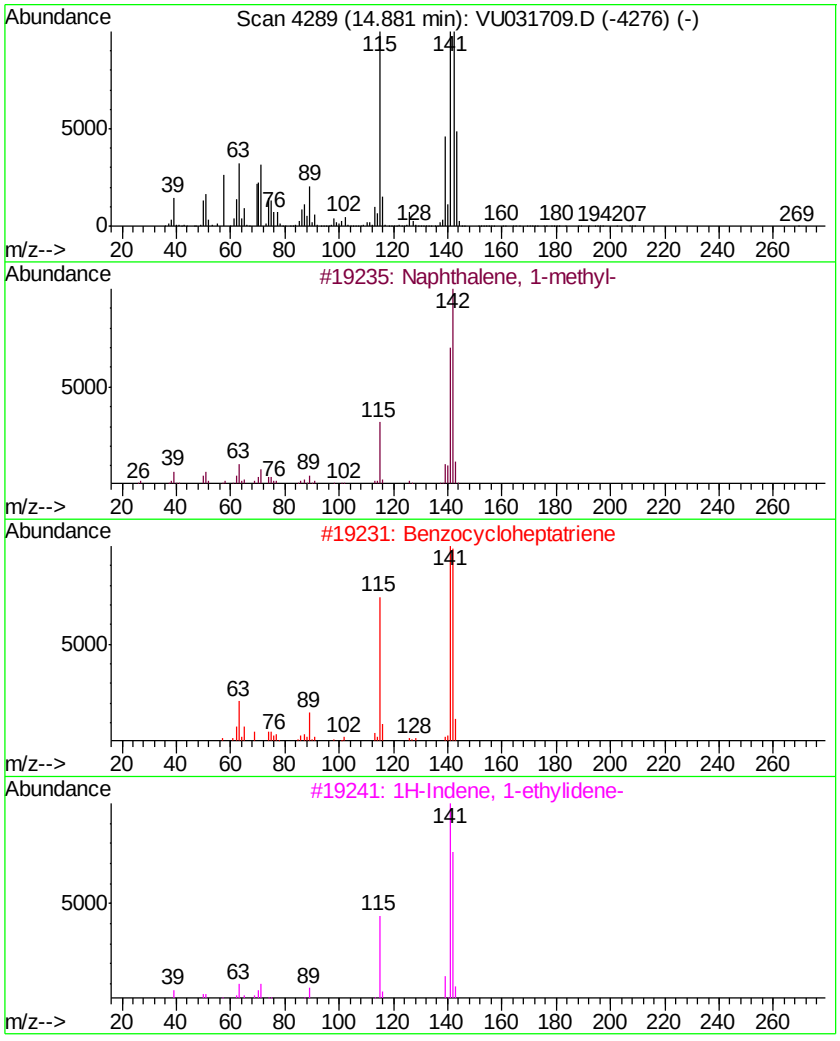
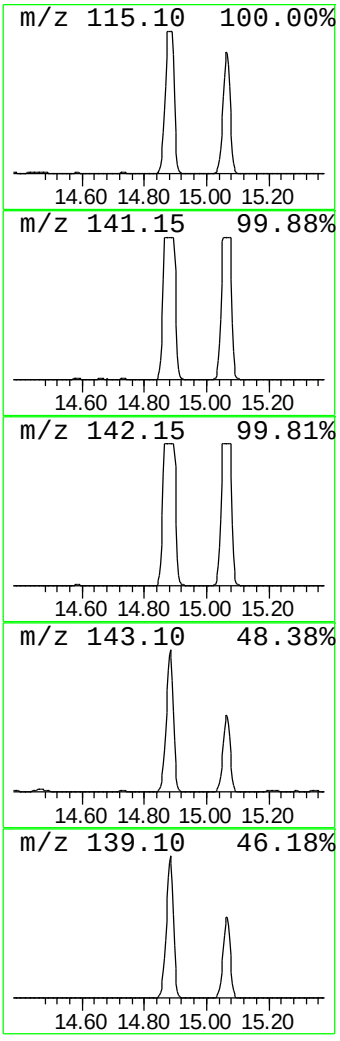
Peak Number 33 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	2752.70 ug/L	163750000	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
2	Benzocycloheptatriene	142	C11H10	000264-09-5	93
3	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	93
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	89





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031709.D
Acq On : 02 May 2019 13:58
Operator : JC/SP
Sample : K2633-13
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJA5

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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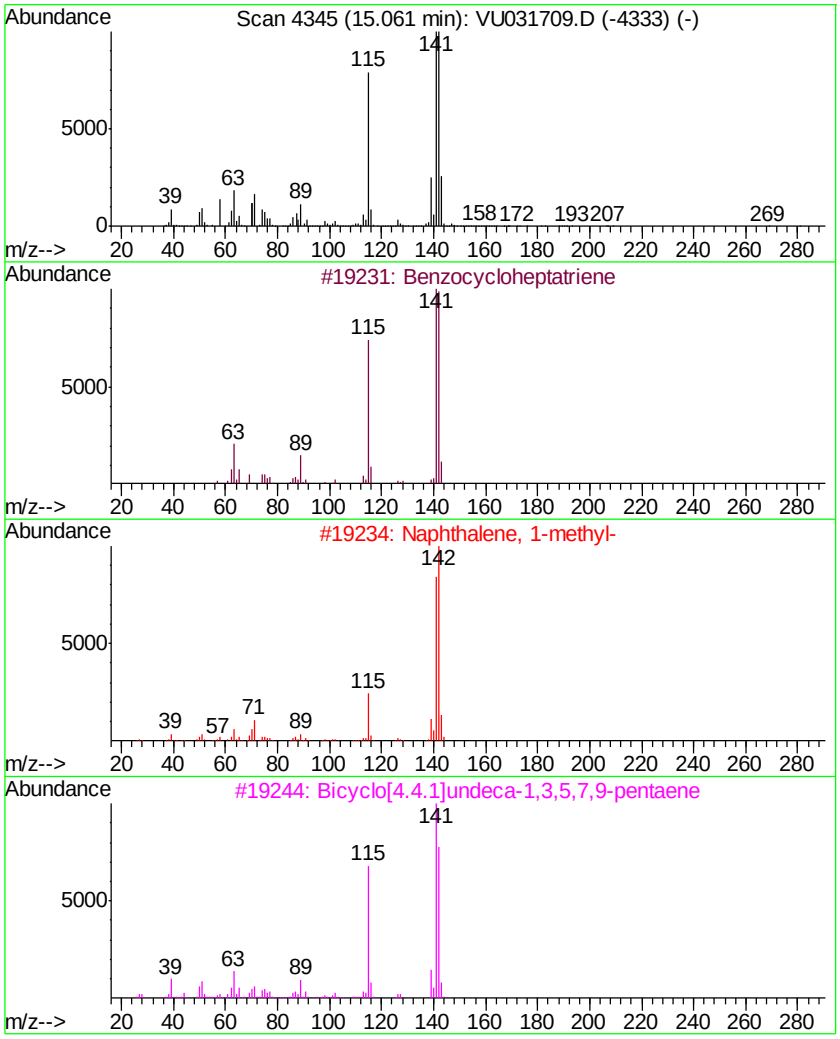
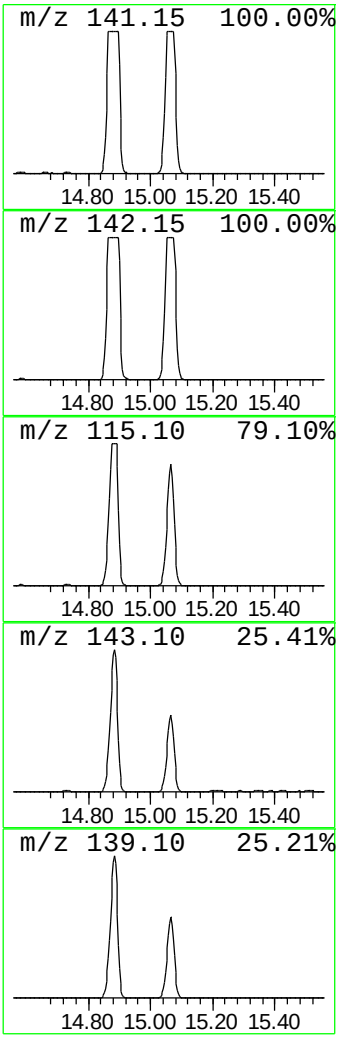
Peak Number 34 Benzocycloheptatriene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	1843.75 ug/L	109679000	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzocycloheptatriene	142	C11H10	000264-09-5	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
3	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	94
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	Benzocycloheptatriene	142	C11H10	000264-09-5	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031709.D
Acq On : 02 May 2019 13:58
Operator : JC/SP
Sample : K2633-13
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJA5

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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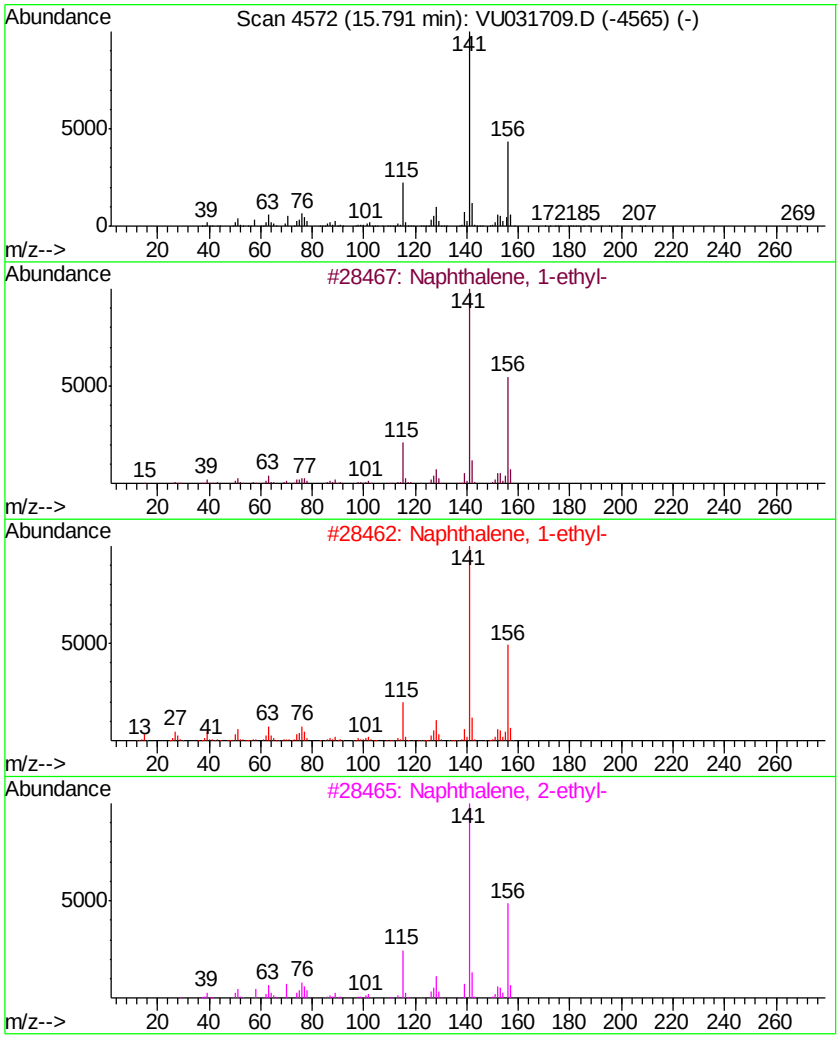
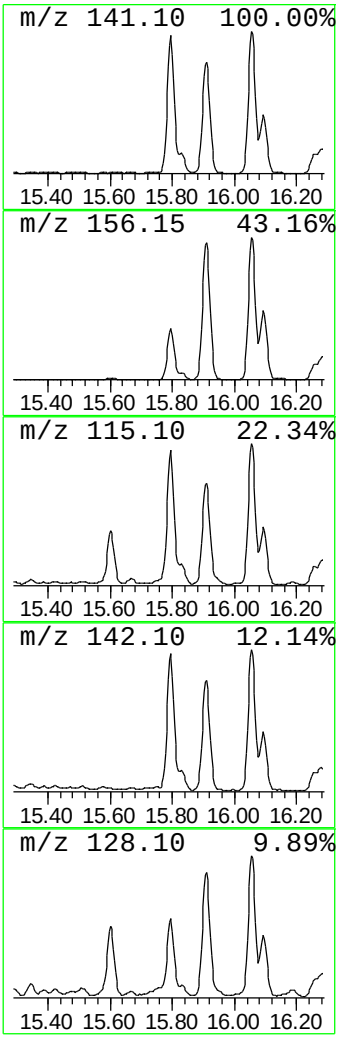
Peak Number 36 Naphthalene, 1-ethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	106.76 ug/L	6350590	1,4-Dichlorobenzene-d4	11.49

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031709.D
Acq On : 02 May 2019 13:58
Operator : JC/SP
Sample : K2633-13
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJA5

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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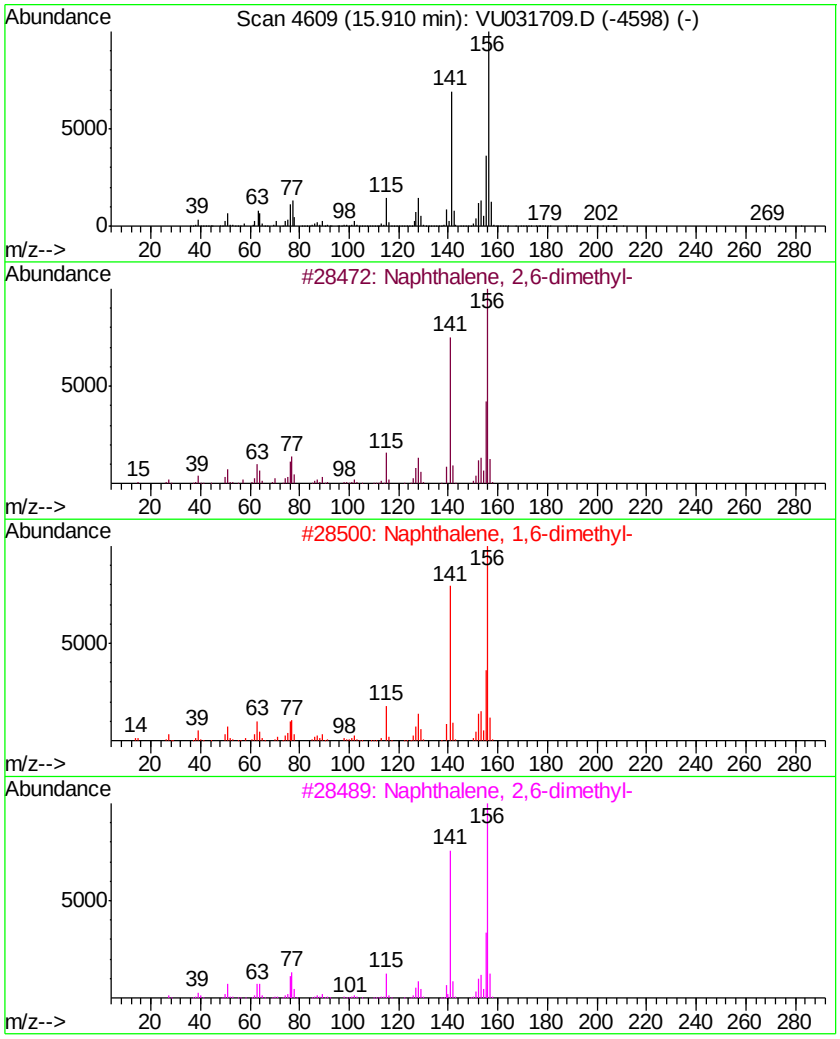
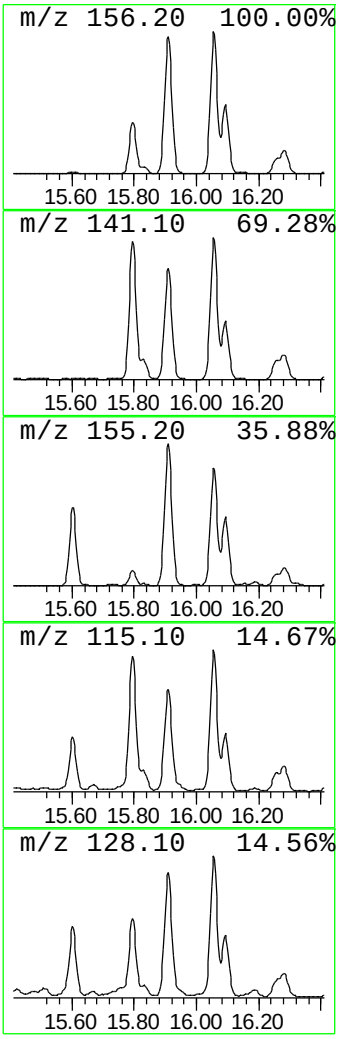
Peak Number 37 Naphthalene, 2,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	223.95 ug/L	13321800	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	98
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031709.D
Acq On : 02 May 2019 13:58
Operator : JC/SP
Sample : K2633-13
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJA5

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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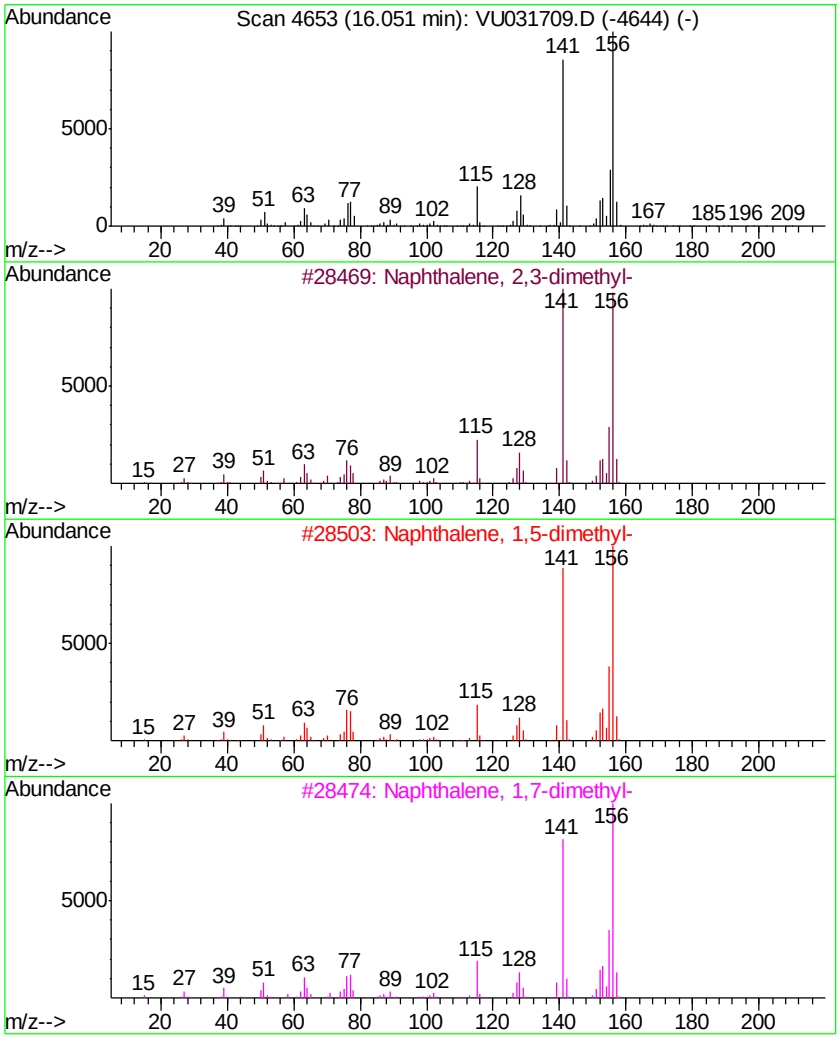
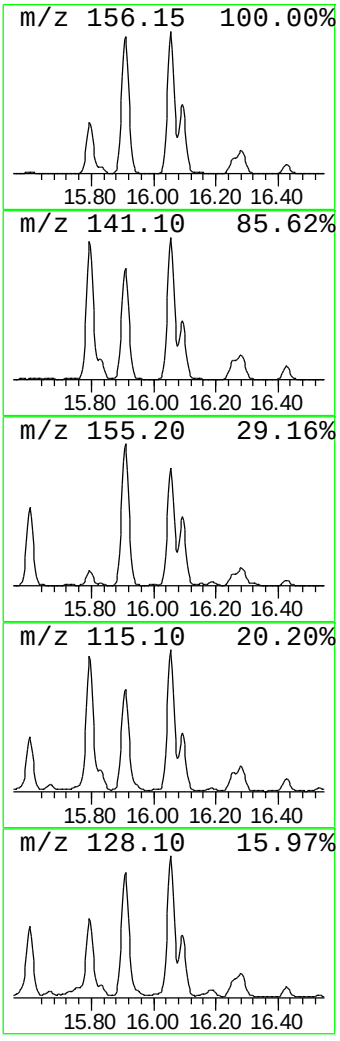
Peak Number 38 Naphthalene, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	219.18 ug/L	13038400	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	98
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031709.D
Acq On : 02 May 2019 13:58
Operator : JC/SP
Sample : K2633-13
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJA5

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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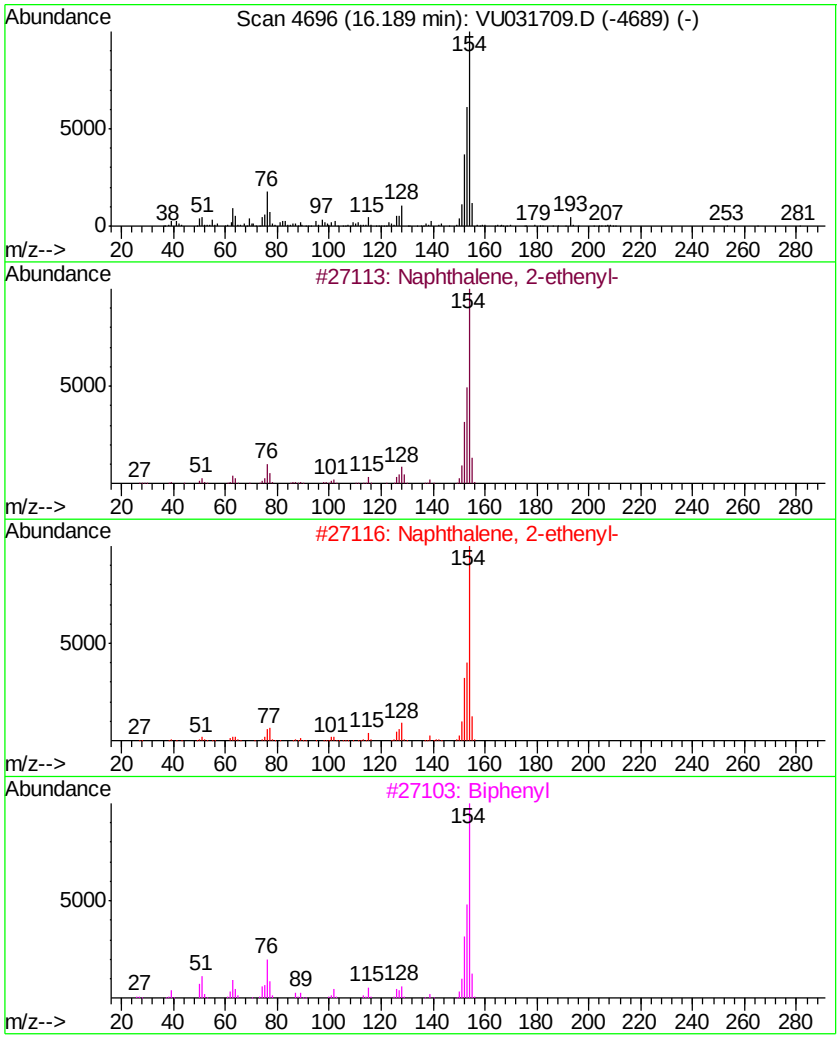
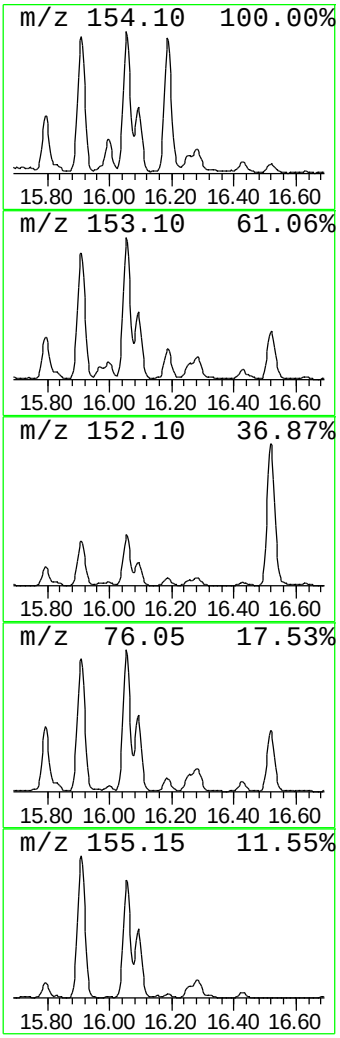
Peak Number 39 Naphthalene, 2-ethenyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.19	11.44 ug/L	680327	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	94
2	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	93
3	Biphenyl	154	C12H10	000092-52-4	91
4	Acenaphthene	154	C12H10	000083-32-9	81
5	Acenaphthene	154	C12H10	000083-32-9	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031709.D
Acq On : 02 May 2019 13:58
Operator : JC/SP
Sample : K2633-13
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJA5

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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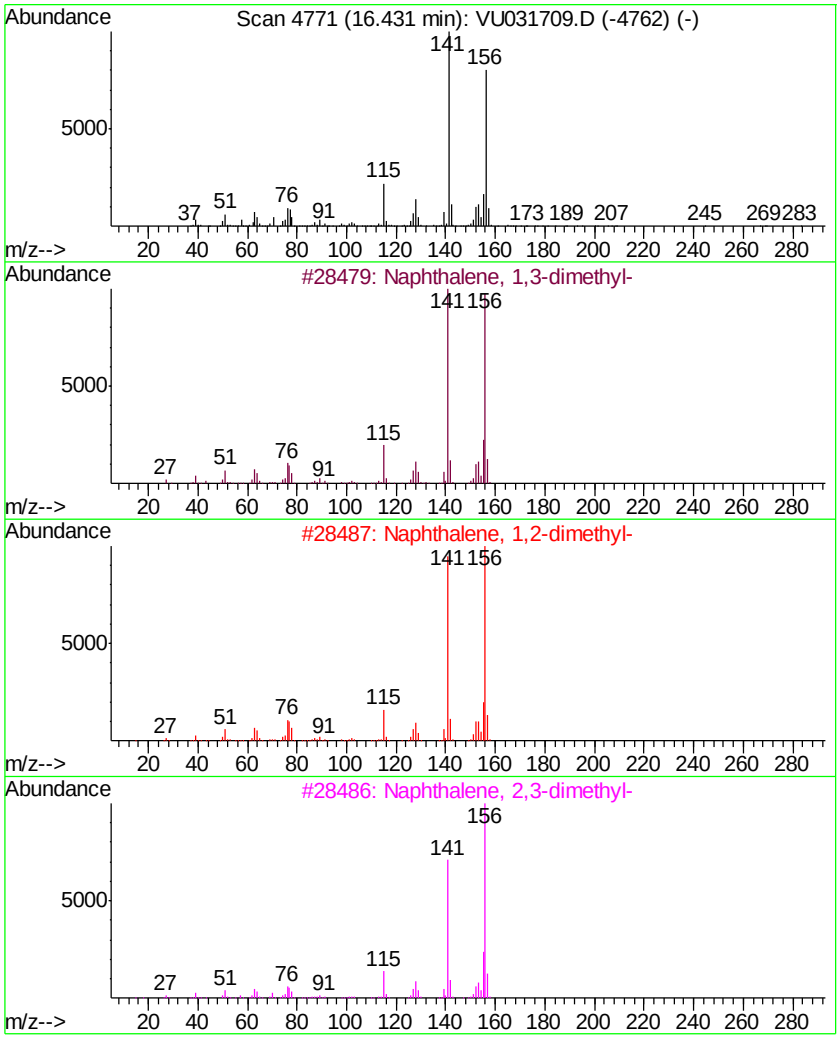
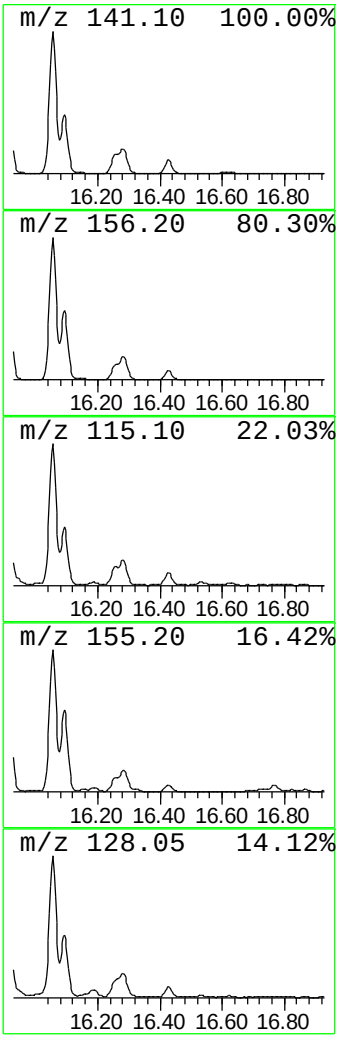
Peak Number 41 Naphthalene, 1,3-dimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	16.72 ug/L	994521	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	98
2	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031709.D
Acq On : 02 May 2019 13:58
Operator : JC/SP
Sample : K2633-13
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJA5

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...	9.44	4.8	ug/L	299857	2	9.09	3130530	50.0
(DEL) Alkane: Str...	10.32	2.9	ug/L	172836	3	11.49	2974350	50.0
Benzene, propyl-	10.59	18.0	ug/L	1069230	3	11.49	2974350	50.0
Benzene, 1-ethyl-...	10.68	70.0	ug/L	4163630	3	11.49	2974350	50.0
Benzene, 1,2,3-tr...	11.15	288.7	ug/L	17176100	3	11.49	2974350	50.0
Benzene, 1-etheny...	11.22	60.6	ug/L	3605740	3	11.49	2974350	50.0
Benzofuran	11.40	9.9	ug/L	590991	3	11.49	2974350	50.0
Benzene, 2-propenyl-	11.63	81.5	ug/L	4846930	3	11.49	2974350	50.0
Indane	11.77	92.6	ug/L	5510300	3	11.49	2974350	50.0
Indene	11.98	1123.5	ug/L	66832100	3	11.49	2974350	50.0
Benzene, 2-ethyl-...	12.15	15.9	ug/L	948335	3	11.49	2974350	50.0
2,4-Dimethylstyrene	12.42	40.8	ug/L	2429690	3	11.49	2974350	50.0
Benzene, 2-etheny...	12.49	13.1	ug/L	777841	3	11.49	2974350	50.0
Benzene, 1,2,3,5-...	12.65	25.4	ug/L	1511070	3	11.49	2974350	50.0
Benzene, 4-etheny...	12.83	46.5	ug/L	2766970	3	11.49	2974350	50.0
1H-Indene, 2,3-di...	12.96	31.2	ug/L	1855280	3	11.49	2974350	50.0
6,7-Dimethyl-3,5,...	13.12	111.0	ug/L	6600380	3	11.49	2974350	50.0
2-Methylindene	13.18	285.4	ug/L	16979900	3	11.49	2974350	50.0
Benzene, (1-methy...	13.29	382.8	ug/L	22771100	3	11.49	2974350	50.0
1,4-Dihydronaphth...	13.39	61.4	ug/L	3652300	3	11.49	2974350	50.0
Benzo[b]thiophene	13.86	121.3	ug/L	7215680	3	11.49	2974350	50.0
(DEL) Alkane: Str...	14.14	23.8	ug/L	1412930	3	11.49	2974350	50.0
1H-Indene, 1,3-di...	14.34	61.3	ug/L	3643860	3	11.49	2974350	50.0
Bicyclo[4.4.1]und...	14.58	14.4	ug/L	853908	3	11.49	2974350	50.0
Benzo[b]thiophene...	14.82	30.6	ug/L	1822220	3	11.49	2974350	50.0
Naphthalene, 1-me...	14.88	2752.7	ug/L	163750000	3	11.49	2974350	50.0
Benzocycloheptatr...	15.06	1843.8	ug/L	109679000	3	11.49	2974350	50.0
Naphthalene, 1-et...	15.79	106.8	ug/L	6350590	3	11.49	2974350	50.0
Naphthalene, 2,6-...	15.91	223.9	ug/L	13321800	3	11.49	2974350	50.0
Naphthalene, 2,3-...	16.05	219.2	ug/L	13038400	3	11.49	2974350	50.0
Naphthalene, 2-et...	16.19	11.4	ug/L	680327	3	11.49	2974350	50.0
Naphthalene, 1,3-...	16.43	16.7	ug/L	994521	3	11.49	2974350	50.0