LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050219\
Data File : VU031710.D
Acq On : 02 May 2019 14:21
Operator : JC/SP
Sample : K2604-20DL 200X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91DL

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	1.180	23	28	35	rVB3	15296	14733	0.06%	0.013%
2	1.395	87	95	107	rBV	293619	320641	1.33%	0.281%
3	1.678	176	183	194	rBV	264561	332587	1.38%	0.291%
4	2.180	332	339	350	rVV9	10254	19865	0.08%	0.017%
5	2.267	356	366	379	rVB	558881	847948	3.52%	0.743%
6	4.186	951	963	1001	rBV	354653	1106630	4.60%	0.969%
7	4.643	1087	1105	1133	rBV	493980	1183284	4.92%	1.036%
8	4.987	1197	1212	1224	rBV9	11790	29137	0.12%	0.026%
9	5.077	1229	1240	1253	rVB5	13763	31636	0.13%	0.028%
10	5.218	1271	1284	1289	rBV6	6418	13856	0.06%	0.012%
11	5.334	1298	1320	1333	rBV2	1014207	3047720	12.67%	2.669%
12	5.537	1372	1383	1396	rVB3	24382	58980	0.25%	0.052%
13	5.784	1446	1460	1466	rBV10	5596	10528	0.04%	0.009%
14	5.881	1476	1490	1525	rBV	1207513	2500165	10.39%	2.189%
15	6.177	1571	1582	1593	rBV	13163	34018	0.14%	0.030%
16	6.328	1611	1629	1651	rBV	697941	1469898	6.11%	1.287%
17	6.524	1687	1690	1700	rVB9	6211	8873	0.04%	0.008%
18	6.919	1804	1813	1829	rVB7	14346	31850	0.13%	0.028%
19	7.051	1842	1854	1863	rBV10	7551	14588	0.06%	0.013%
20	7.177	1882	1893	1896	rBV5	6199	8907	0.04%	0.008%
21	7.225	1896	1908	1936	rBV	383386	709970	2.95%	0.622%
22	7.562	1990	2013	2025	rBV	1239903	2218886	9.22%	1.943%
23	7.633	2025	2035	2064	rVB	966746	1787085	7.43%	1.565%
24	7.849	2087	2102	2120	rBV	263313	468961	1.95%	0.411%
25	8.312	2235	2246	2280	rBV	1321042	2452784	10.19%	2.148%
26	8.903	2423	2430	2440	rVB8	6078	9977	0.04%	0.009%
27	9.029	2461	2469	2474	rBV7	6666	9794	0.04%	0.009%
28	9.086	2474	2487	2514	rBV	1741640	3018578	12.55%	2.643%
29	9.247	2527	2537	2562	rVB	162844	276987	1.15%	0.243%
30	9.369	2562	2575	2593	rBV	1120385	1948186	8.10%	1.706%
31	9.787	2690	2705	2736	rBV3	1125660	2295725	9.54%	2.010%
32	10.167	2814	2823	2834	rBV7	7676	15893	0.07%	0.014%
33	10.427	2891	2904	2921	rBV	1053149	1719153	7.15%	1.505%
34	10.508	2924	2929	2940	rVB4	24866	42046	0.17%	0.037%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050219\
Data File : VU031710.D
Acq On : 02 May 2019 14:21
Operator : JC/SP
Sample : K2604-20DL 200X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91DL

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	10.588	2945	2954	2965	rVB	27438	45497	0.19%	0.040%
36	10.678	2972	2982	2999	rBV	139788	316109	1.31%	0.277%
37	10.768	2999	3010	3019	rVV	184406	311559	1.29%	0.273%
38	10.810	3020	3023	3035	rVB4	29884	39172	0.16%	0.034%
39	10.971	3063	3073	3075	rVV	52295	66667	0.28%	0.058%
40	10.996	3076	3081	3094	rVB3	84264	132466	0.55%	0.116%
41	11.144	3111	3127	3138	rBV	583662	946751	3.93%	0.829%
42	11.212	3138	3148	3157	rVV	712300	1107359	4.60%	0.970%
43	11.263	3157	3164	3177	rVB	260756	400103	1.66%	0.350%
44	11.401	3198	3207	3214	rBV10	14996	33202	0.14%	0.029%
45	11.479	3220	3231	3249	rBV	1813858	2860036	11.89%	2.504%
46	11.569	3250	3259	3268	rVV	198432	312813	1.30%	0.274%
47	11.623	3268	3276	3291	rVB2	123400	209909	0.87%	0.184%
48	11.762	3308	3319	3328	rBV2	128513	216029	0.90%	0.189%
49	11.807	3329	3333	3337	rVV2	28928	33905	0.14%	0.030%
50	11.855	3337	3348	3369	rVB	1381462	2288558	9.51%	2.004%
51	11.977	3374	3386	3398	rBV	3244281	5129451	21.32%	4.492%
52	12.144	3431	3438	3440	rBV	25070	27129	0.11%	0.024%
53	12.221	3454	3462	3465	rBV3	46286	61867	0.26%	0.054%
54	12.308	3478	3489	3498	rBV5	35945	73162	0.30%	0.064%
55	12.424	3515	3525	3535	rVB	187295	288690	1.20%	0.253%
56	12.485	3535	3544	3558	rBV4	53577	87015	0.36%	0.076%
57	12.549	3558	3564	3570	rBV6	8600	14594	0.06%	0.013%
58	12.604	3575	3581	3586	rBV8	20079	28515	0.12%	0.025%
59	12.646	3588	3594	3602	rVB2	53537	76963	0.32%	0.067%
60	12.700	3602	3611	3627	rBV3	127780	300838	1.25%	0.263%
61	12.823	3640	3649	3660	rBV	134432	228293	0.95%	0.200%
62	12.961	3684	3692	3704	rVB4	43120	66432	0.28%	0.058%
63	13.080	3723	3729	3732	rBV7	16831	20576	0.09%	0.018%
64	13.118	3732	3741	3750	rVV2	244384	391027	1.63%	0.342%
65	13.183	3751	3761	3775	rVB	675731	1045408	4.34%	0.915%
66	13.289	3782	3794	3809	rBV	785207	1355562	5.63%	1.187%
67	13.385	3814	3824	3838	rVB3	98201	192452	0.80%	0.169%
68	13.504	3854	3861	3867	rBV7	20185	30608	0.13%	0.027%
69	13.736	3919	3933	3961	rBV	15262221	24060639	100.00%	21.069%
70	13.858	3963	3971	3986	rVB2	171387	311581	1.29%	0.273%
71	14.138	4051	4058	4066	rBV3	103735	146805	0.61%	0.129%

LSC Area Percent Report

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Operator : JC/SP
Sample : K2604-20DL 200X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91DL

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	14.241	4084	4090	4096	rVB6	33405	42925	0.18%	0.038%
73	14.337	4111	4120	4129	rBV2	108642	195436	0.81%	0.171%
74	14.459	4150	4158	4174	rVB4	80308	182756	0.76%	0.160%
75	14.588	4190	4198	4209	rBV3	43212	72667	0.30%	0.064%
76	14.655	4214	4219	4220	rBV5	15496	13005	0.05%	0.011%
77	14.726	4235	4241	4257	rVB5	84433	160829	0.67%	0.141%
78	14.819	4262	4270	4275	rBV3	52048	84492	0.35%	0.074%
79	14.871	4275	4286	4306	rVV	7440750	11458385	47.62%	10.034%
80	15.057	4332	4344	4363	rBV	4232611	6679214	27.76%	5.849%
81	15.601	4503	4513	4526	rBV	1082606	1722262	7.16%	1.508%
82	15.794	4565	4573	4581	rBV	401464	580475	2.41%	0.508%
83	15.909	4597	4609	4626	rBV	1749997	3081706	12.81%	2.699%
84	16.054	4643	4654	4661	rBV	2040161	3252954	13.52%	2.849%
85	16.093	4661	4666	4681	rVB	1092062	1622534	6.74%	1.421%
86	16.186	4685	4695	4707	rBV	563857	900544	3.74%	0.789%
87	16.279	4708	4724	4746	rVB	698631	1667604	6.93%	1.460%
88	16.427	4760	4770	4785	rBV	383463	656948	2.73%	0.575%
89	16.520	4788	4799	4818	rVV3	1903139	3554029	14.77%	3.112%
90	16.626	4824	4832	4843	rVB2	385819	608322	2.53%	0.533%
91	16.732	4855	4865	4871	rBV	328329	557542	2.32%	0.488%
92	16.819	4886	4892	4900	rVB4	116394	179891	0.75%	0.158%
93	16.867	4900	4907	4914	rVB2	80422	114994	0.48%	0.101%
94	16.935	4916	4928	4930	rBV6	143664	235652	0.98%	0.206%
95	16.967	4931	4938	4945	rVV	440884	716765	2.98%	0.628%
96	17.015	4945	4953	4976	rVB3	546750	1395672	5.80%	1.222%
97	17.160	4989	4998	5009	rVB2	566983	910909	3.79%	0.798%
98	17.221	5009	5017	5028	rVB	390775	596780	2.48%	0.523%
99	17.359	5054	5060	5086	rVB5	362021	919063	3.82%	0.805%
100	17.527	5101	5112	5126	rBV4	365085	715301	2.97%	0.626%

Sum of corrected areas: 114197267

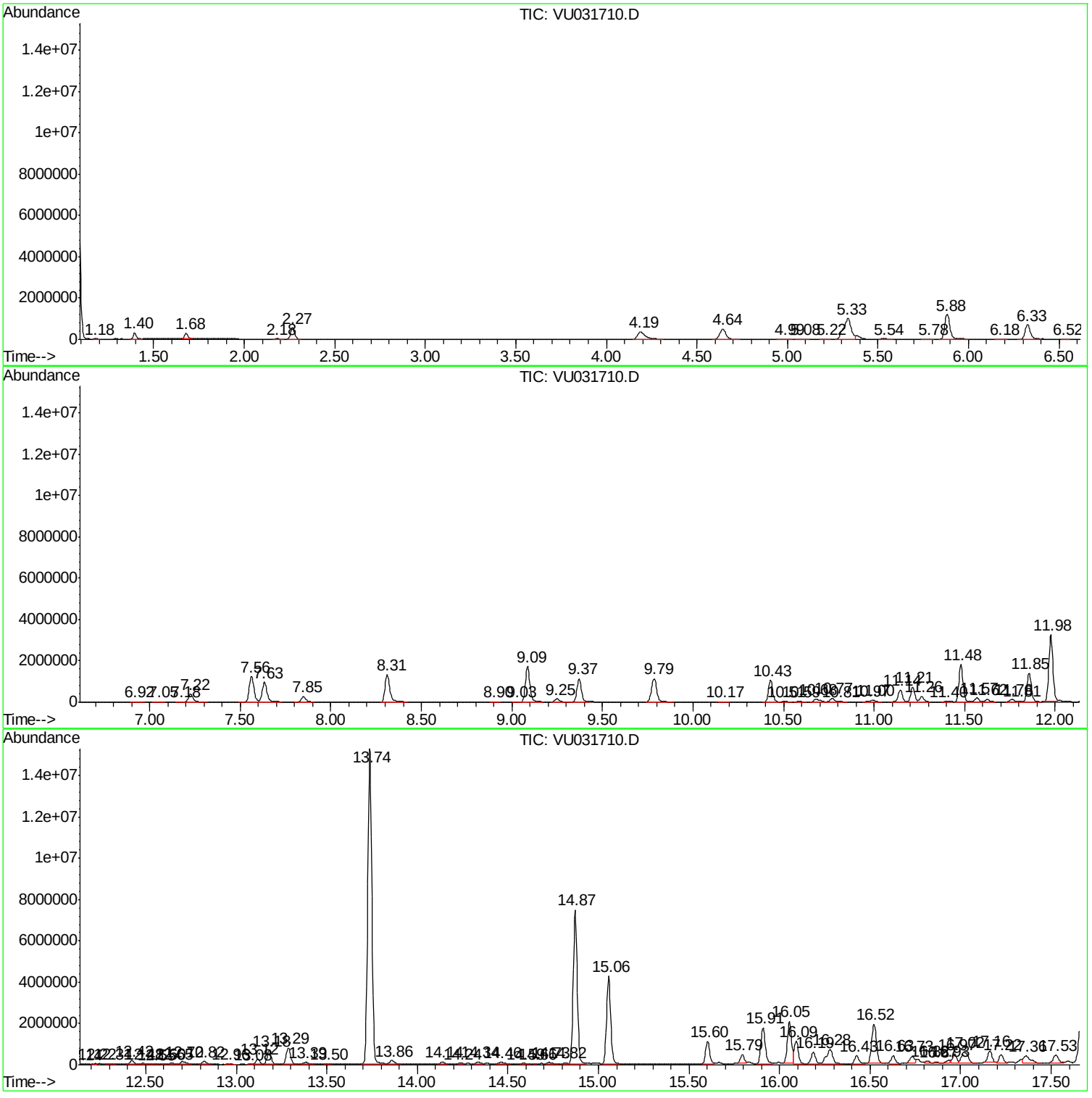
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050219\
Data File : VU031710.D
Acq On : 02 May 2019 14:21
Operator : JC/SP
Sample : K2604-20DL 200X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91DL

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031710.D
Acq On : 02 May 2019 14:21
Operator : JC/SP
Sample : K2604-20DL 200X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91DL

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

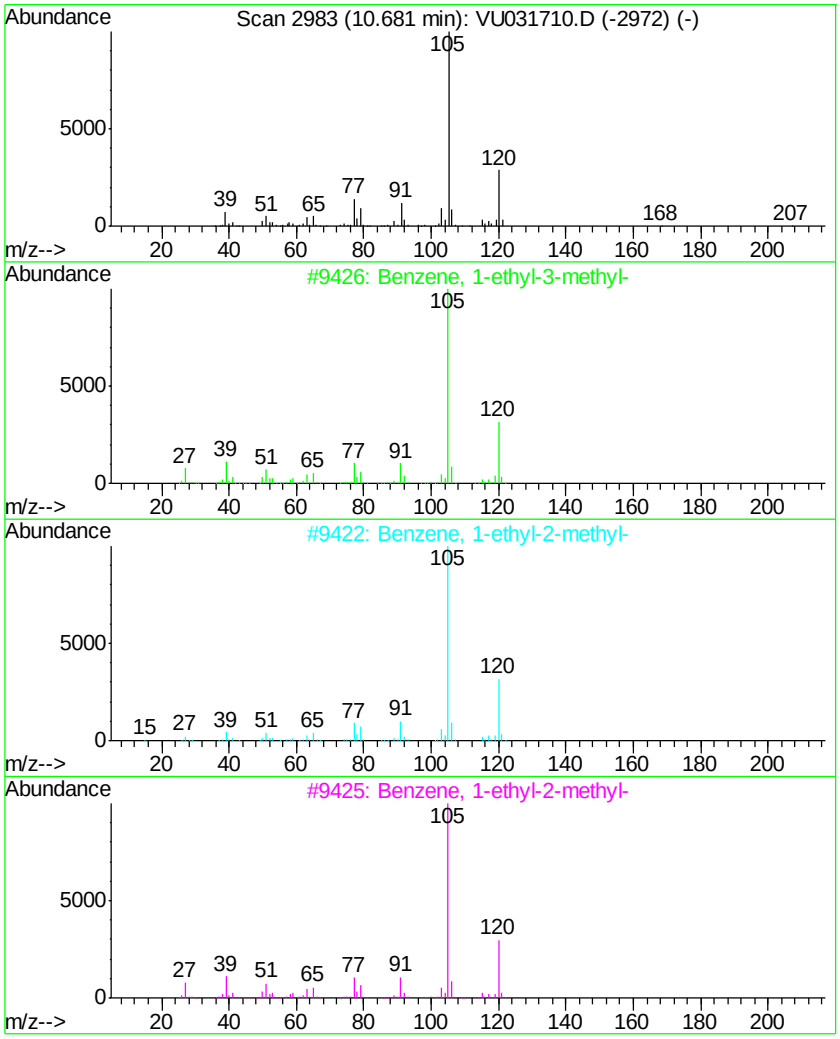
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

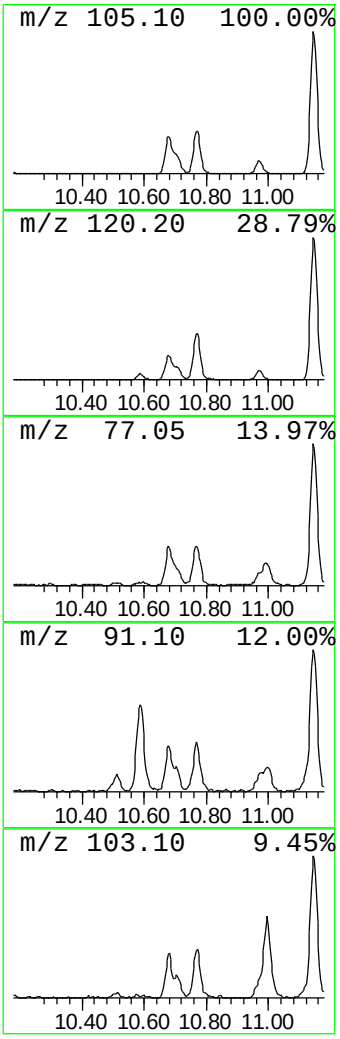
****

Peak Number 2 Benzene, 1-ethyl-3-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	5.53 ug/L	316109	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	94
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031710.D
Acq On : 02 May 2019 14:21
Operator : JC/SP
Sample : K2604-20DL 200X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91DL

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

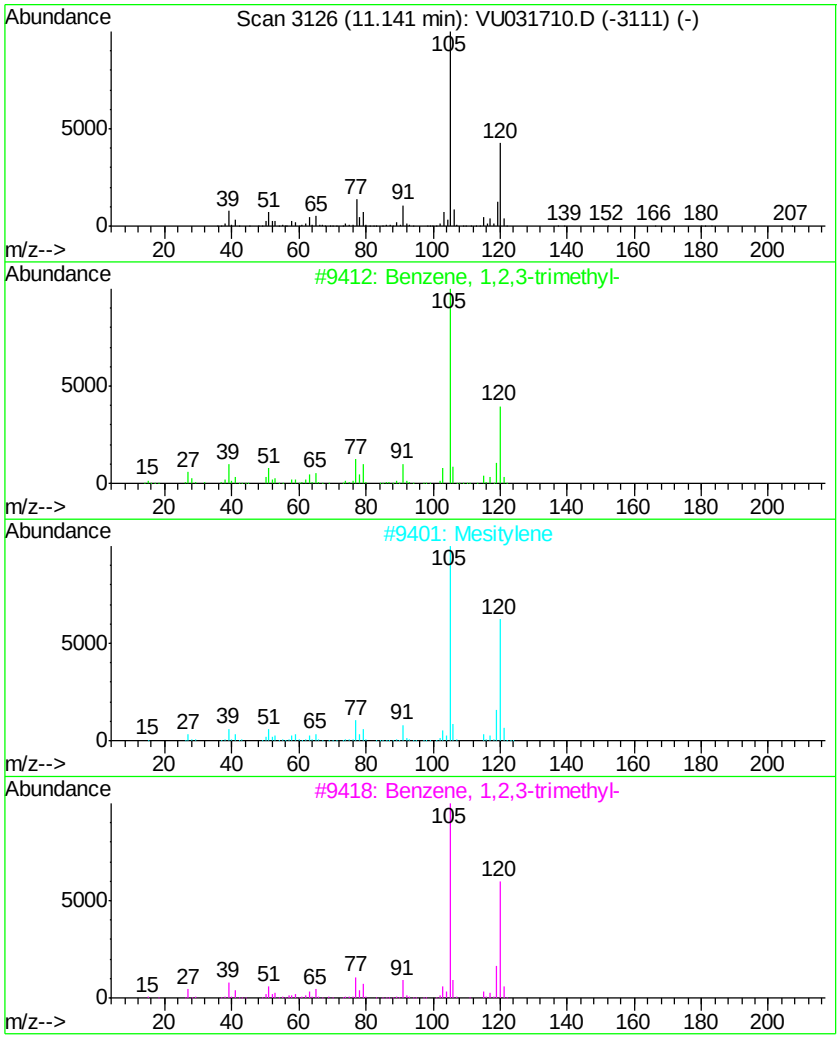
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

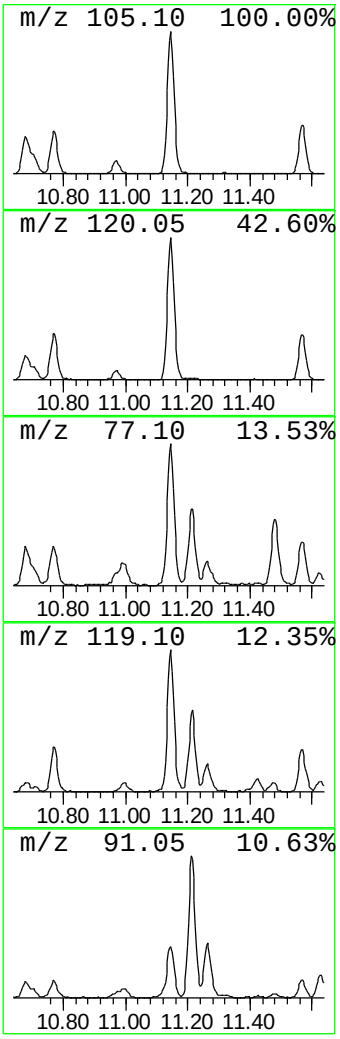
****

Peak Number 4 Benzene, 1,2,3-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	16.55 ug/L	946751	1,4-Dichlorobenzene-d4	11.48

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031710.D
Acq On : 02 May 2019 14:21
Operator : JC/SP
Sample : K2604-20DL 200X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91DL

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

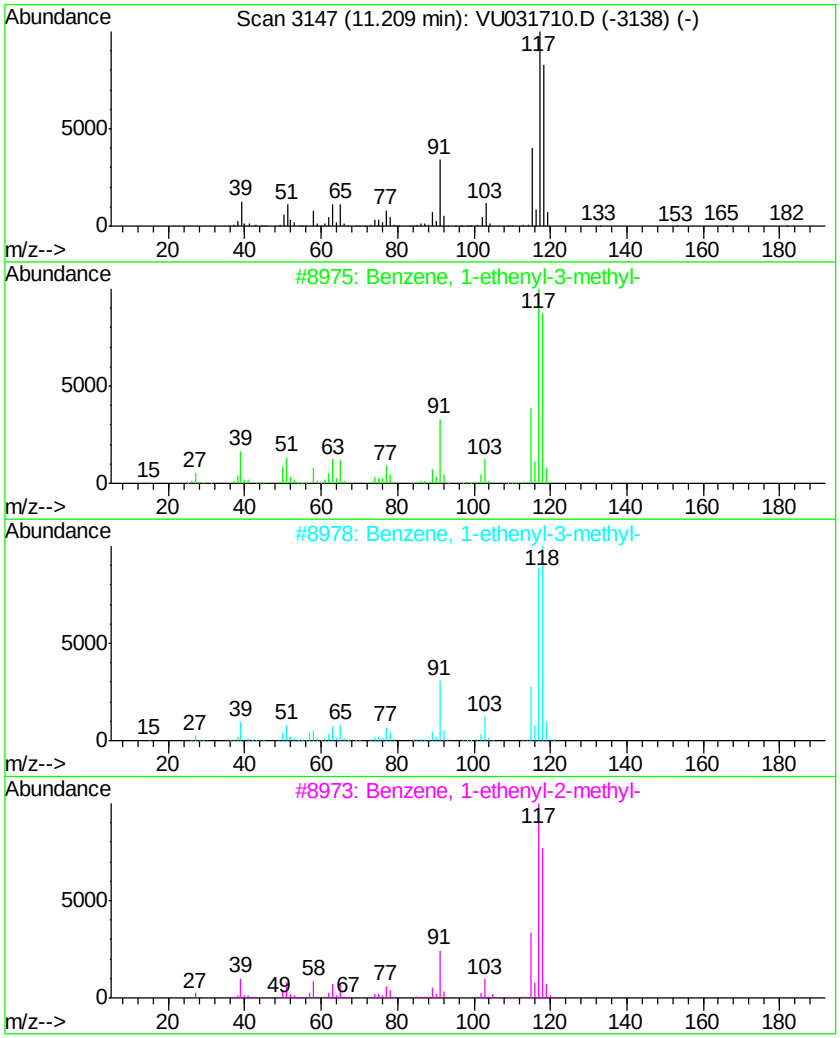
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

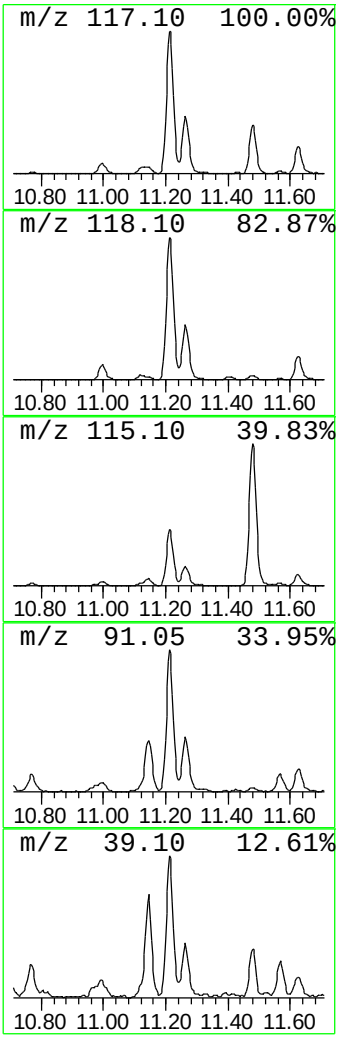
****

Peak Number 5 Benzene, 1-ethenyl-3-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	19.36 ug/L	1107360	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
2	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
4	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	94
5	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	93





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031710.D
Acq On : 02 May 2019 14:21
Operator : JC/SP
Sample : K2604-20DL 200X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91DL

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

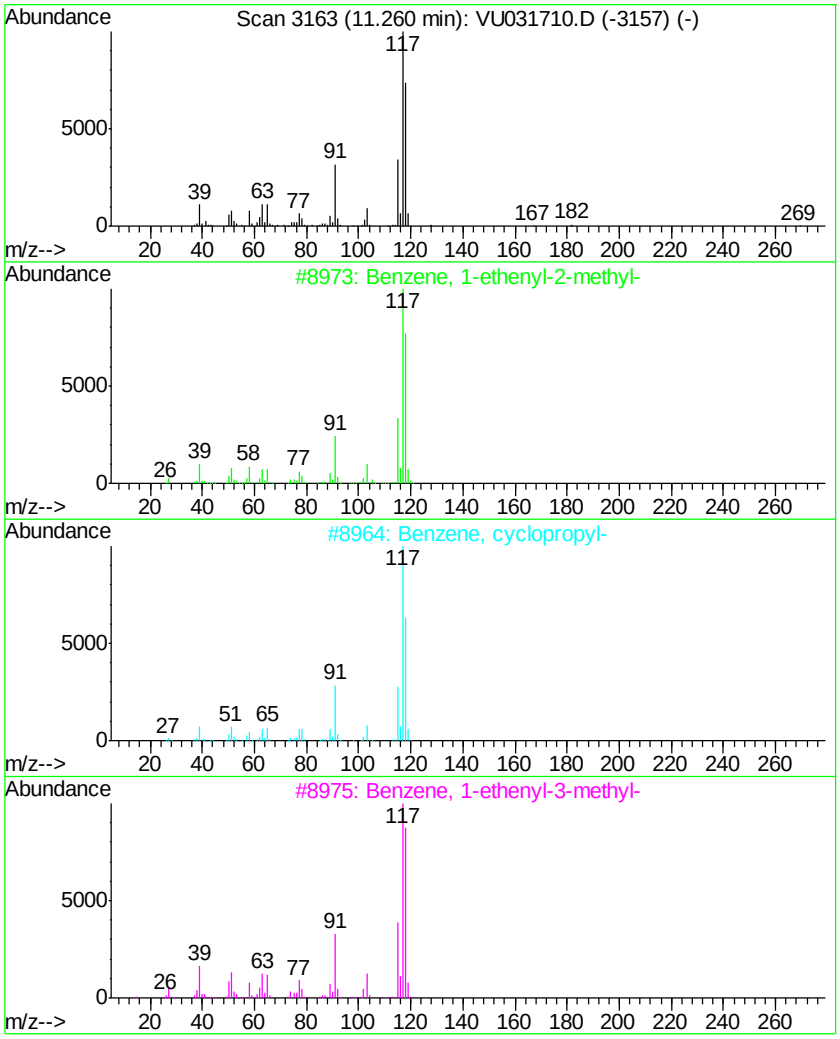
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

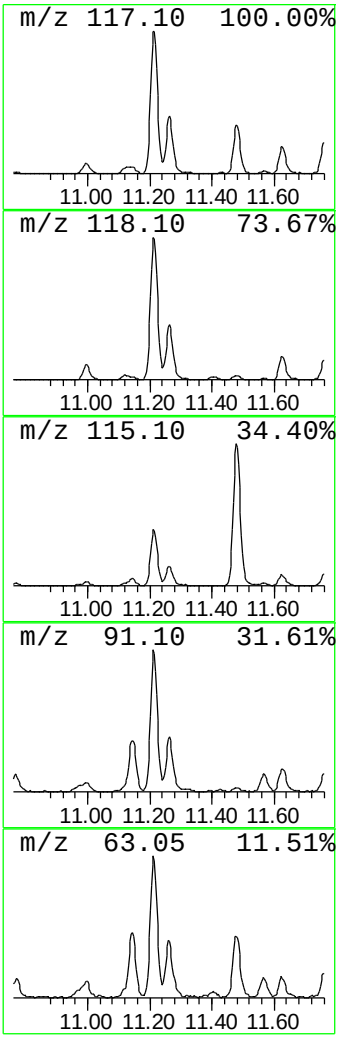
****

Peak Number 6 Benzene, 1-ethenyl-2-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	6.99 ug/L	400103	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	93
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	93
3	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	92
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	91
5	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031710.D
Acq On : 02 May 2019 14:21
Operator : JC/SP
Sample : K2604-20DL 200X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91DL

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

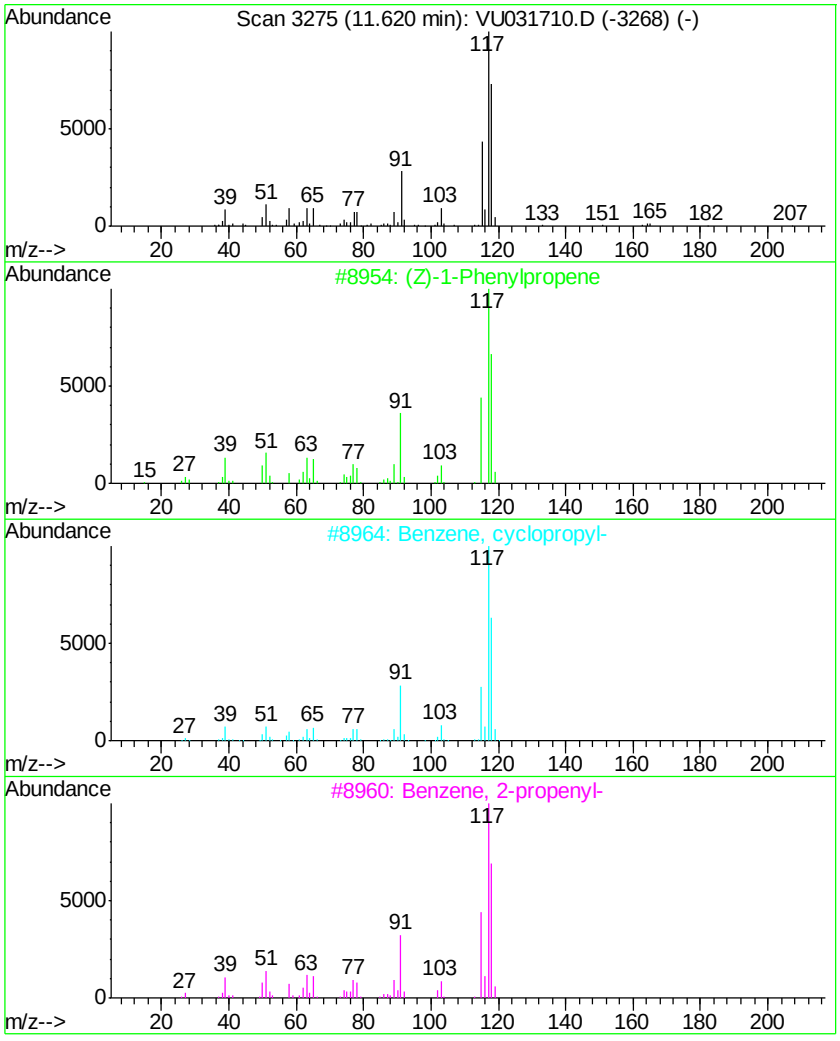
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

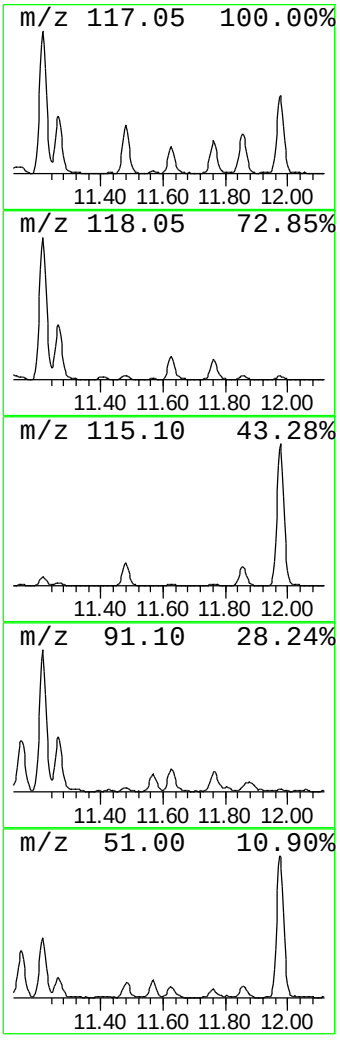
****

Peak Number 8 (Z)-1-Phenylpropene Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	3.67 ug/L	209909	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	93
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	93
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	89
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	87
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031710.D
Acq On : 02 May 2019 14:21
Operator : JC/SP
Sample : K2604-20DL 200X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91DL

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

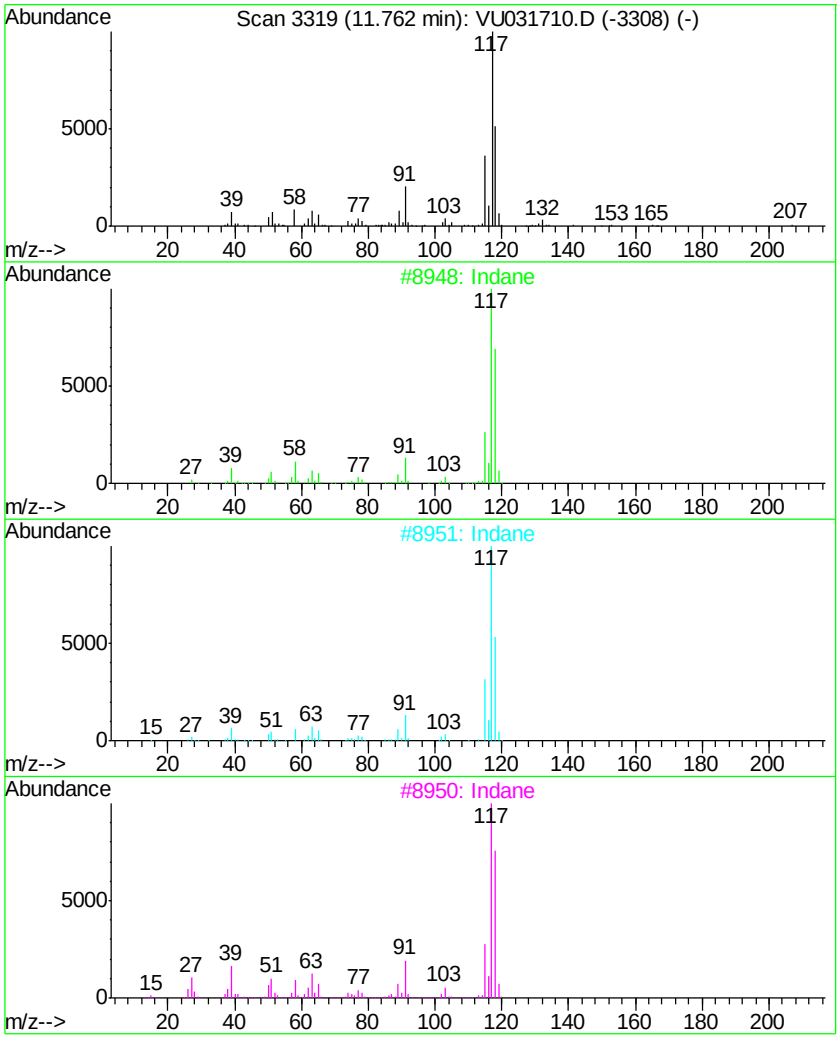
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

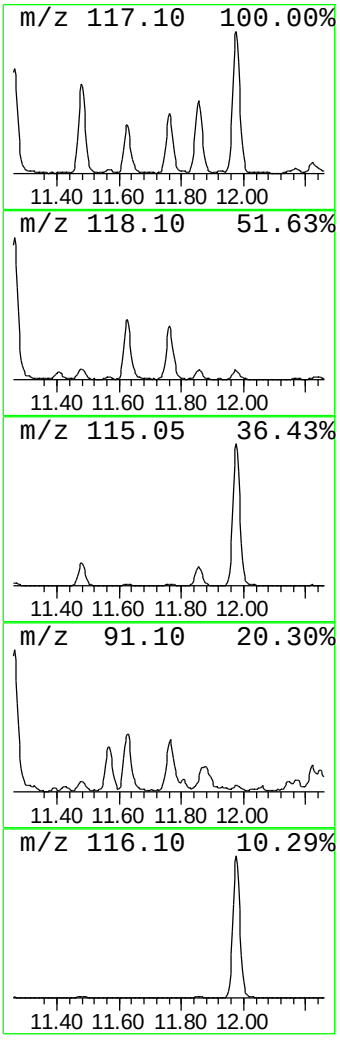
****

Peak Number 9 Indane Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	3.78 ug/L	216029	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Indane	118	C9H10	000496-11-7	94
3	Indane	118	C9H10	000496-11-7	91
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	81
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	81





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031710.D
Acq On : 02 May 2019 14:21
Operator : JC/SP
Sample : K2604-20DL 200X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91DL

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

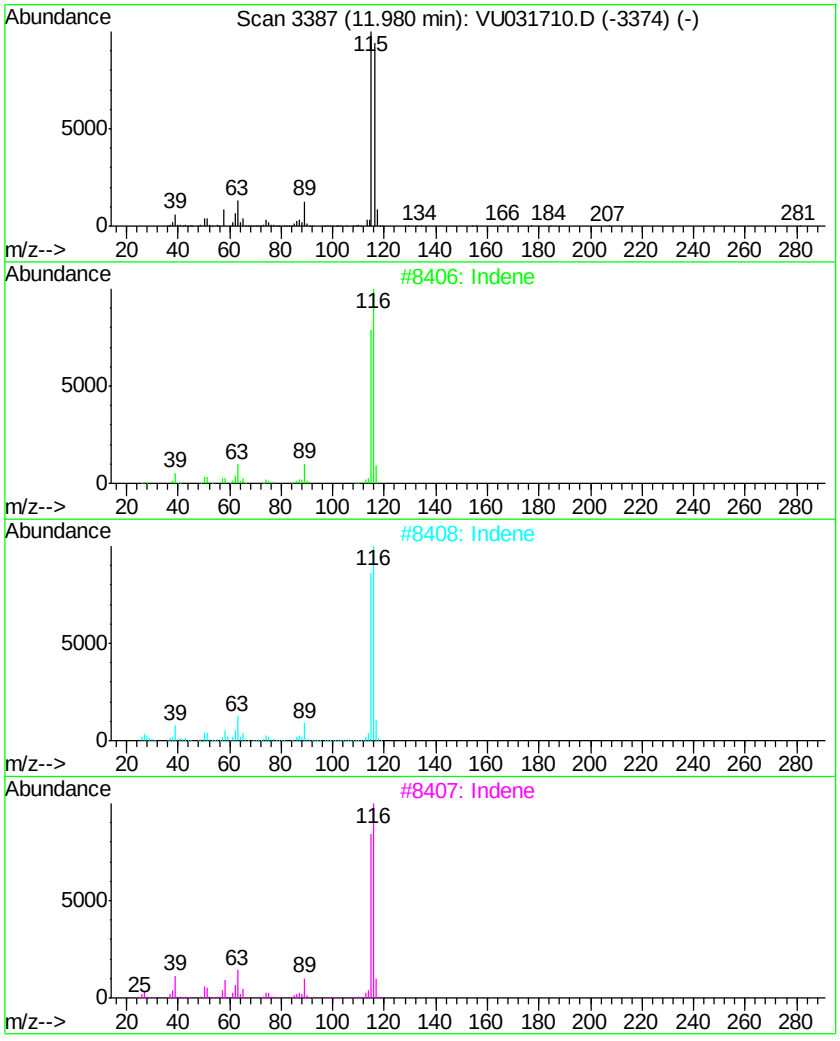
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

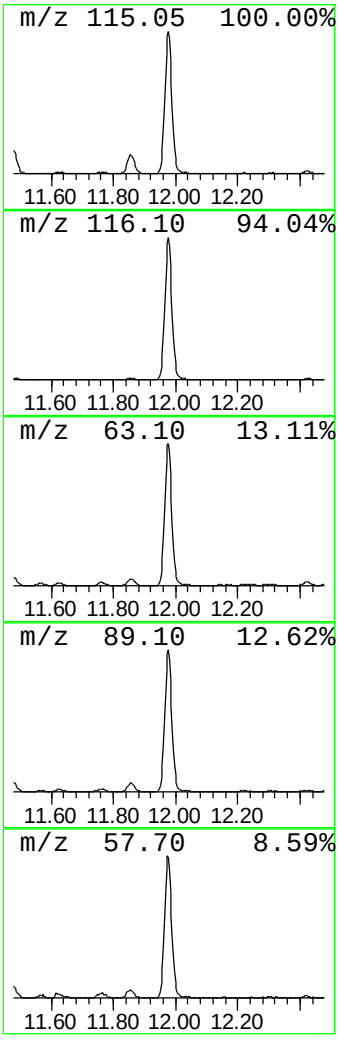
****

Peak Number 10 Indene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	89.67 ug/L	5129450	1,4-Dichlorobenzene-d4	11.48

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031710.D
Acq On : 02 May 2019 14:21
Operator : JC/SP
Sample : K2604-20DL 200X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91DL

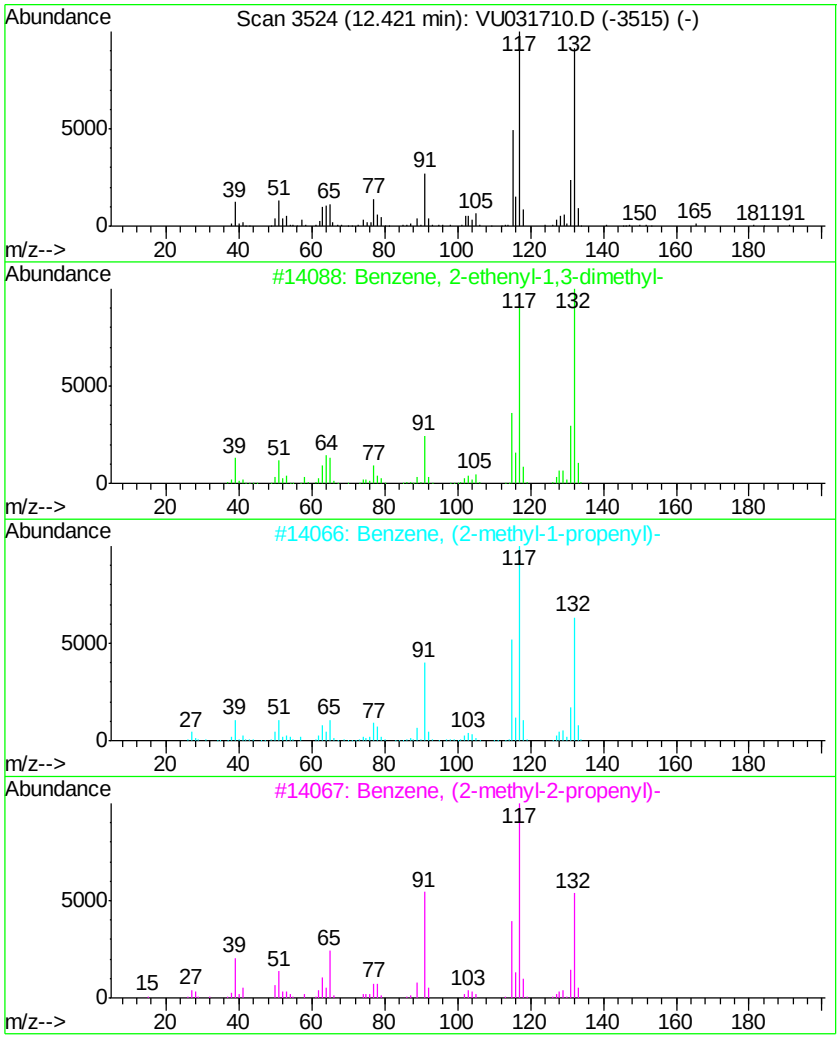
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

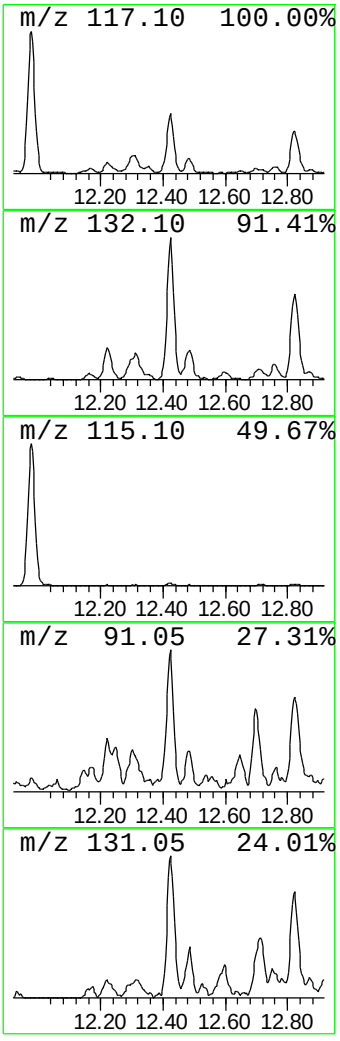
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Benzene, 2-ethenyl-1,3-dime... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	5.05 ug/L	288690	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	94
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	94
3	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	94
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	93
5	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	93





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031710.D
Acq On : 02 May 2019 14:21
Operator : JC/SP
Sample : K2604-20DL 200X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91DL

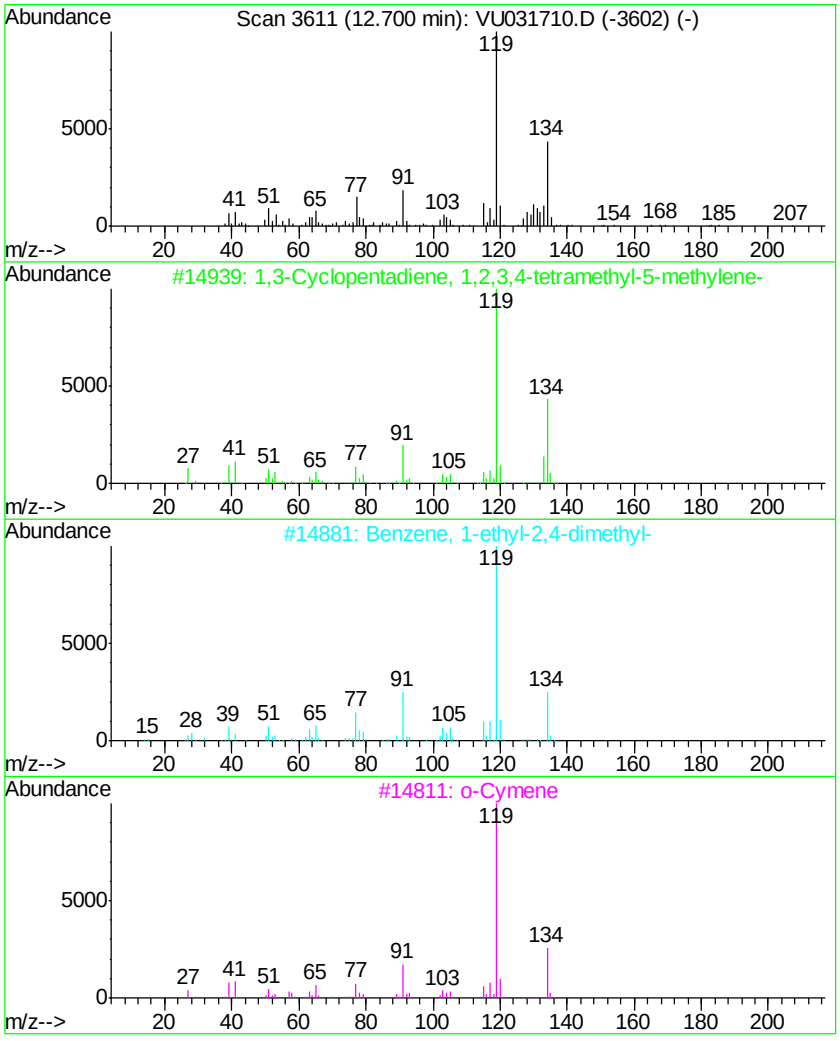
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

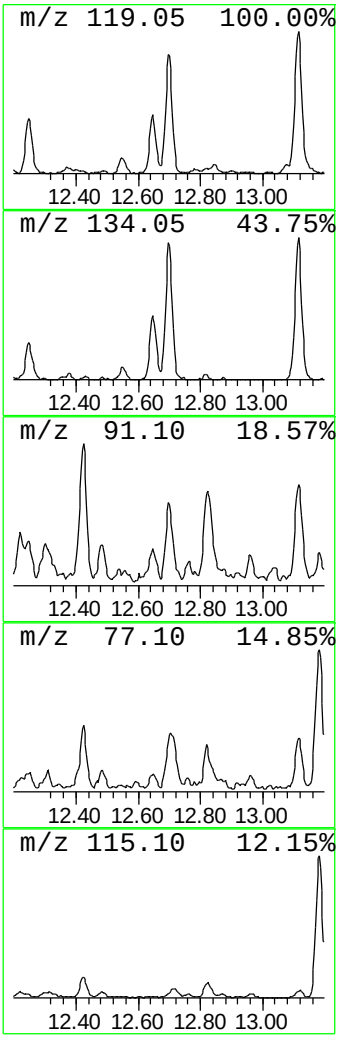
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	5.26 ug/L	300838	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	93
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
3	o-Cymene	134	C10H14	000527-84-4	93
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	90
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031710.D
Acq On : 02 May 2019 14:21
Operator : JC/SP
Sample : K2604-20DL 200X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91DL

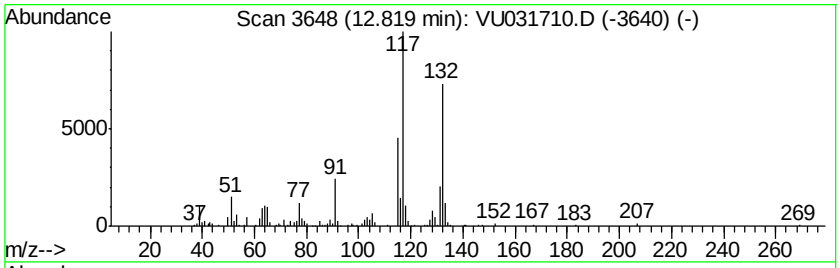
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

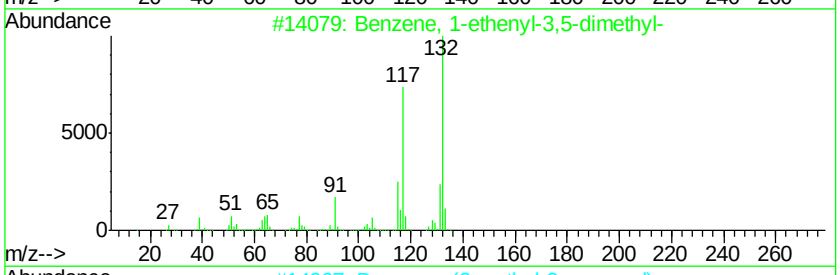
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

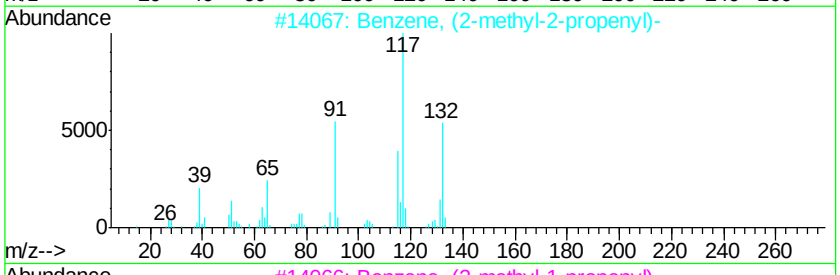
****
Peak Number 13 Benzene, 1-ethenyl-3,5-dime... Concentration Rank 36

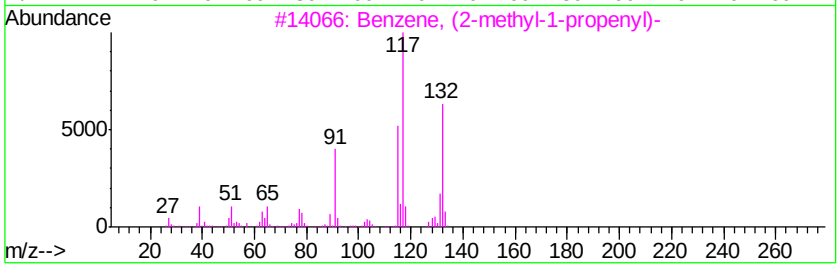
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.82	3.99 ug/L	228293	1,4-Dichlorobenzene-d4	11.48

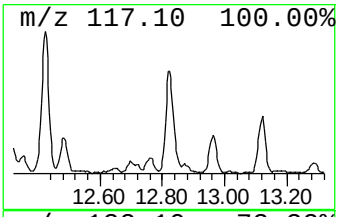
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	95
2	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	95
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	95
4	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	94
5	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	94

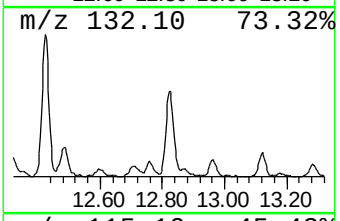


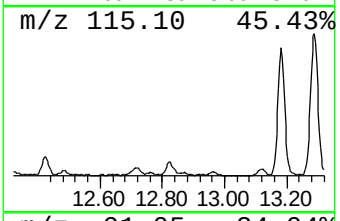


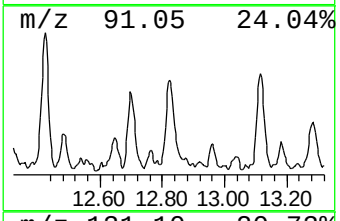


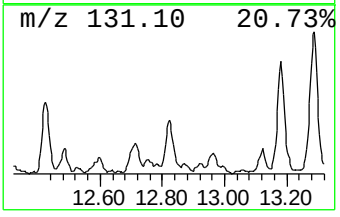












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031710.D
Acq On : 02 May 2019 14:21
Operator : JC/SP
Sample : K2604-20DL 200X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91DL

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

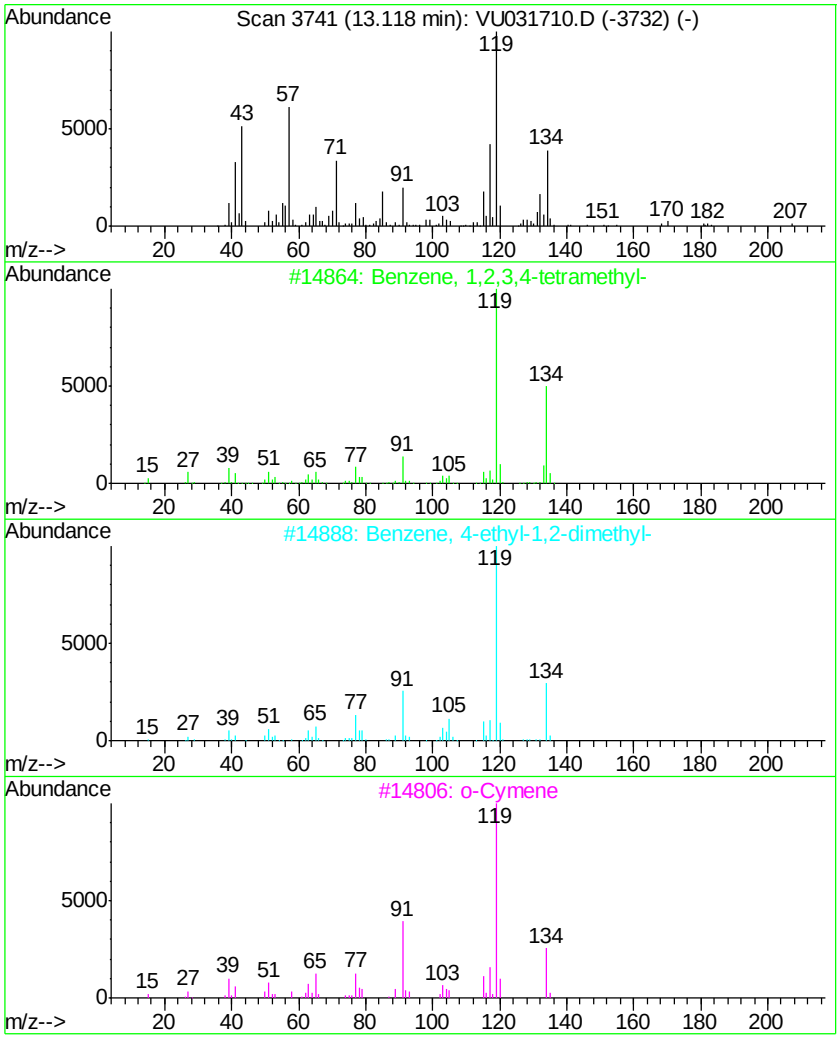
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

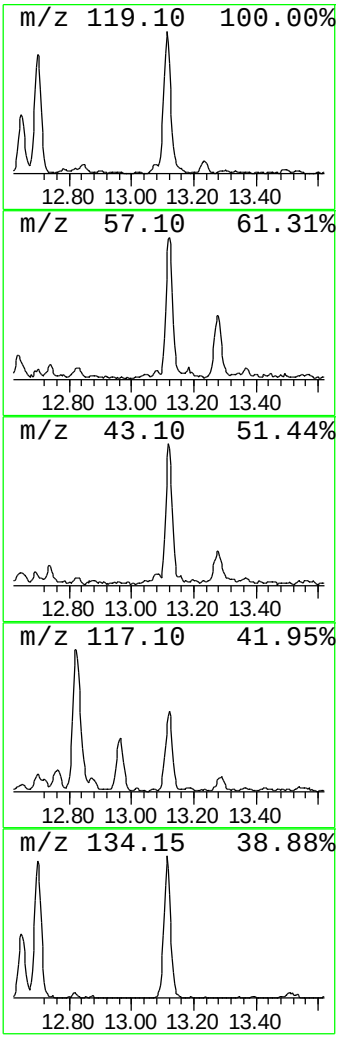
****

Peak Number 14 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	6.84 ug/L	391027	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	64
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	64
3	o-Cymene	134	C10H14	000527-84-4	64
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	64
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031710.D
Acq On : 02 May 2019 14:21
Operator : JC/SP
Sample : K2604-20DL 200X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91DL

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

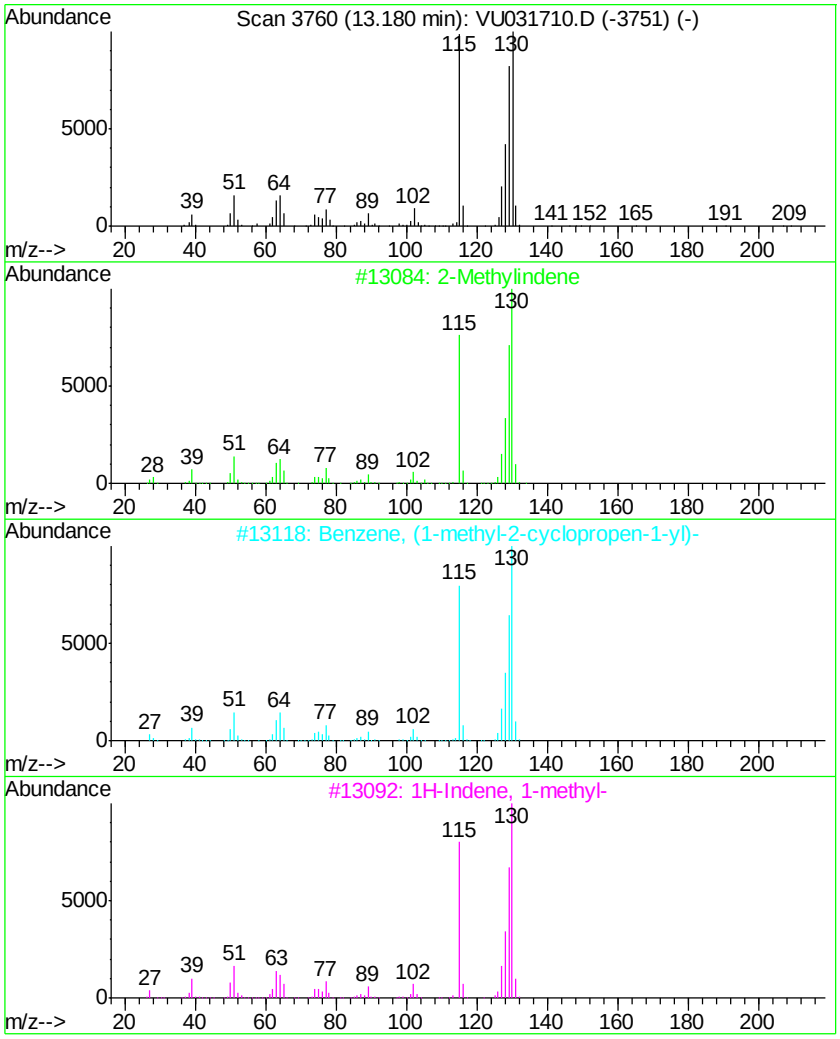
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

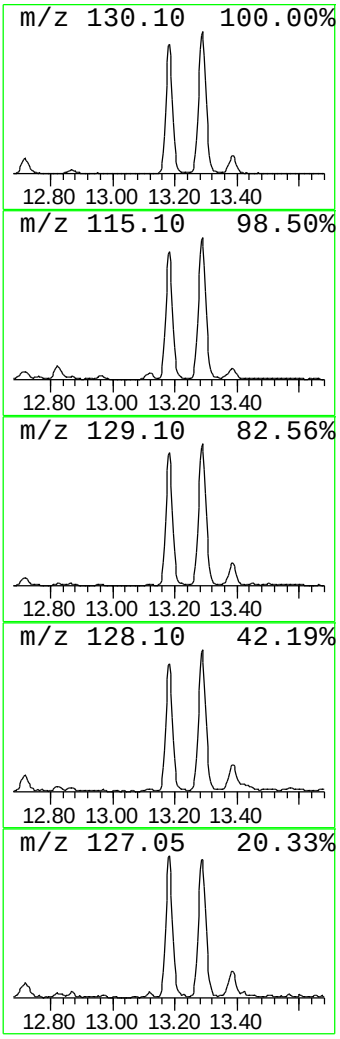
****

Peak Number 15 2-Methylindene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	18.28 ug/L	1045410	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	97
2	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	97
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
4	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95
5	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031710.D
Acq On : 02 May 2019 14:21
Operator : JC/SP
Sample : K2604-20DL 200X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91DL

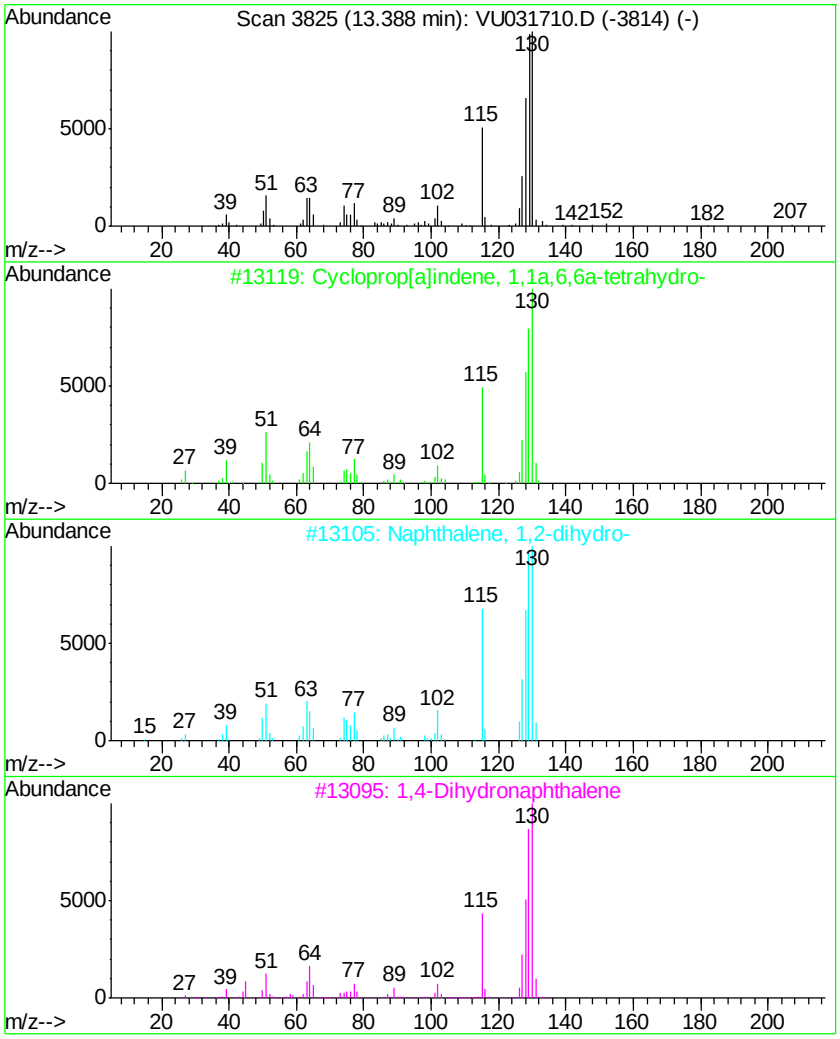
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

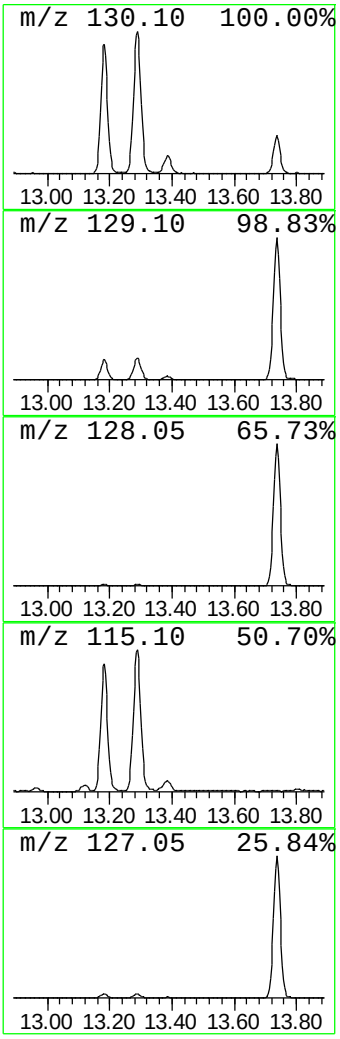
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Cycloprop[a]indene, 1,1a,6,... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	3.36 ug/L	192452	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	91
2	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	90
3	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	89
4	Benzene, (1-methylene-2-propenyl)-	130	C10H10	002288-18-8	89
5	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	89





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031710.D
Acq On : 02 May 2019 14:21
Operator : JC/SP
Sample : K2604-20DL 200X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91DL

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

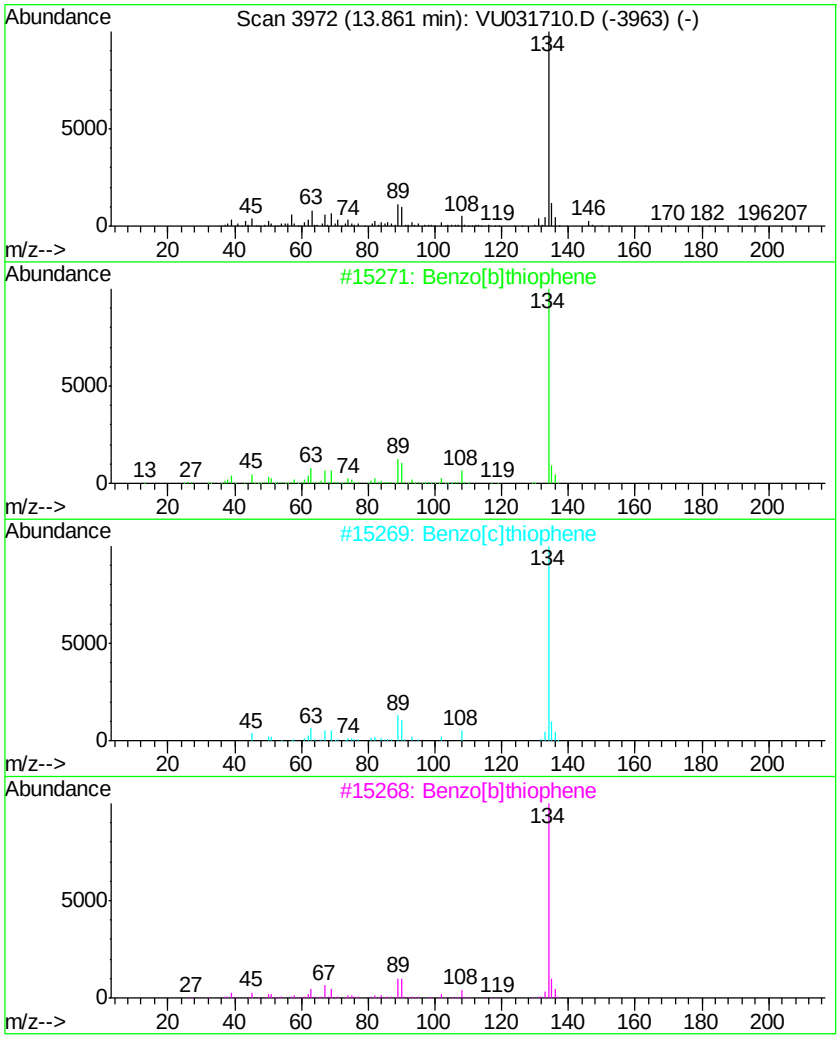
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

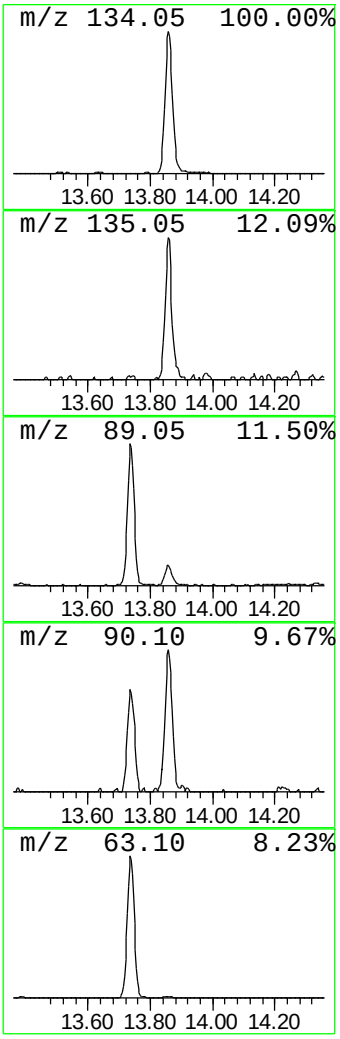
****

Peak Number 19 Benzo[b]thiophene Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	5.45 ug/L	311581	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene	134	C8H6S	000095-15-8	95
2	Benzo[c]thiophene	134	C8H6S	000270-82-6	94
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	93
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	93
5	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031710.D
Acq On : 02 May 2019 14:21
Operator : JC/SP
Sample : K2604-20DL 200X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91DL

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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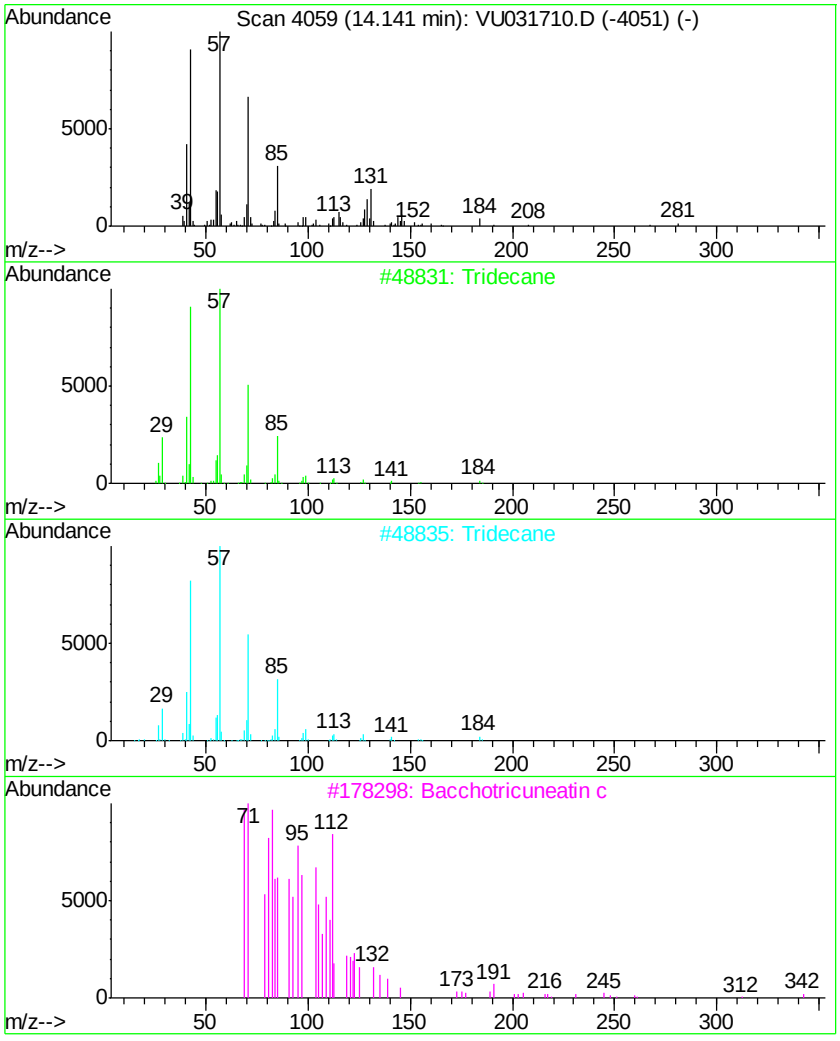
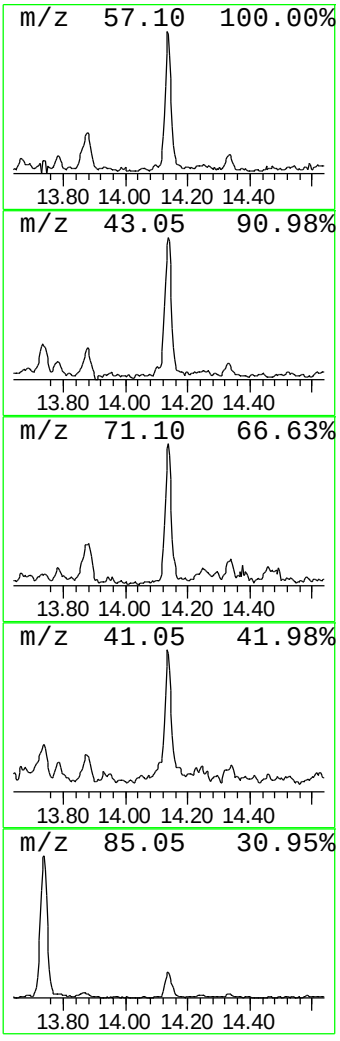
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	2.57 ug/L	146805	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	83
2	Tridecane	184	C13H28	000629-50-5	83
3	Bacchotricuneatin c	342	C20H22O5	066563-30-2	60
4	Hexadecane	226	C16H34	000544-76-3	52
5	Decane, 3-methyl-	156	C11H24	013151-34-3	52





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031710.D
Acq On : 02 May 2019 14:21
Operator : JC/SP
Sample : K2604-20DL 200X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91DL

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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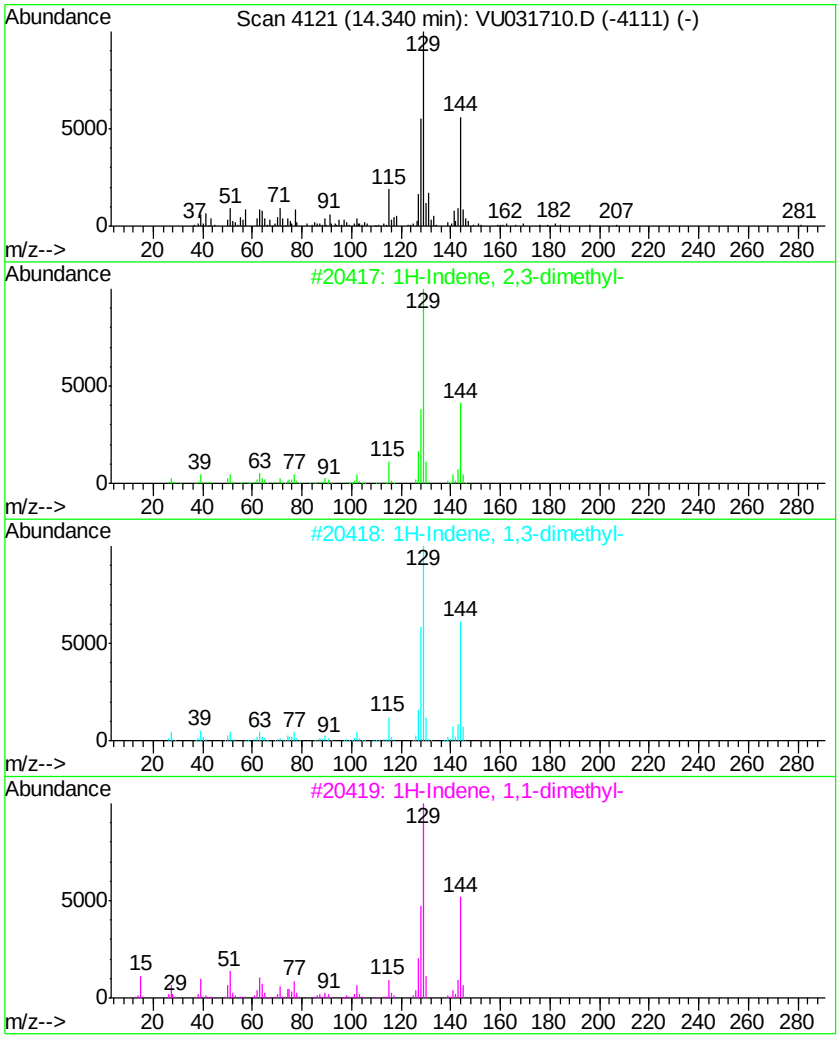
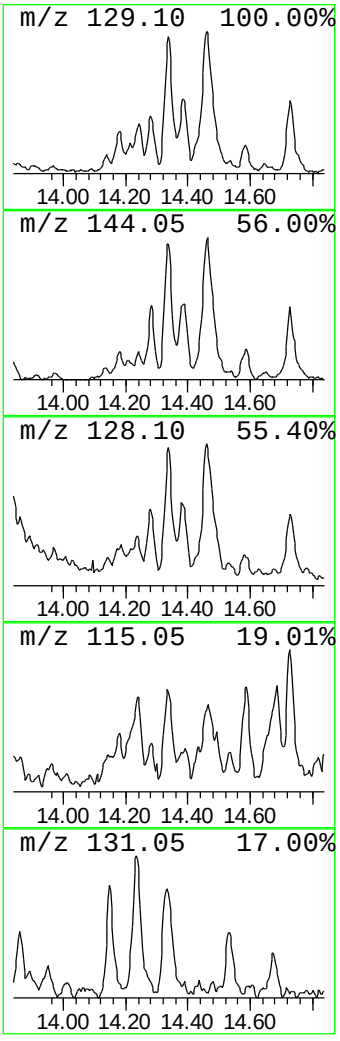
Peak Number 21 1H-Indene, 2,3-dimethyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	3.42 ug/L	195436	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	95
2	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	94
3	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	91
4	1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	90
5	(1-Methylenebut-2-enyl)benzene	144	C11H12	070588-46-4	90





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Data File : VU031710.D
Acq On : 02 May 2019 14:21
Operator : JC/SP
Sample : K2604-20DL 200X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91DL

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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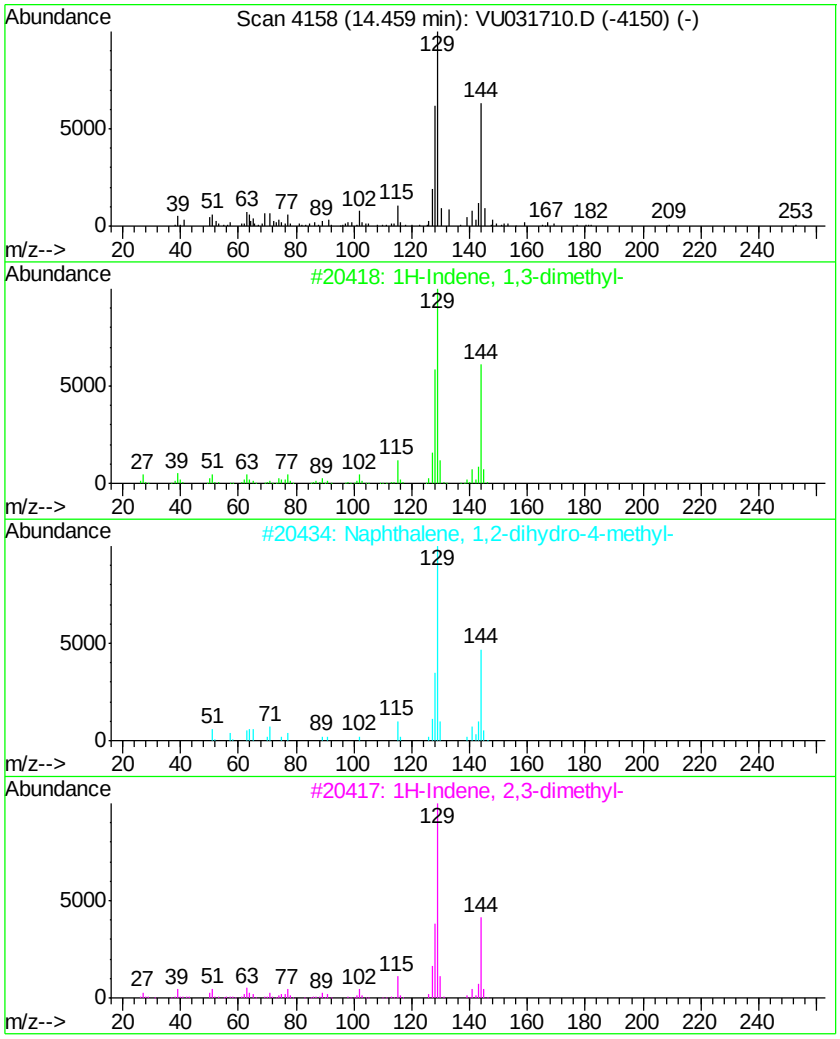
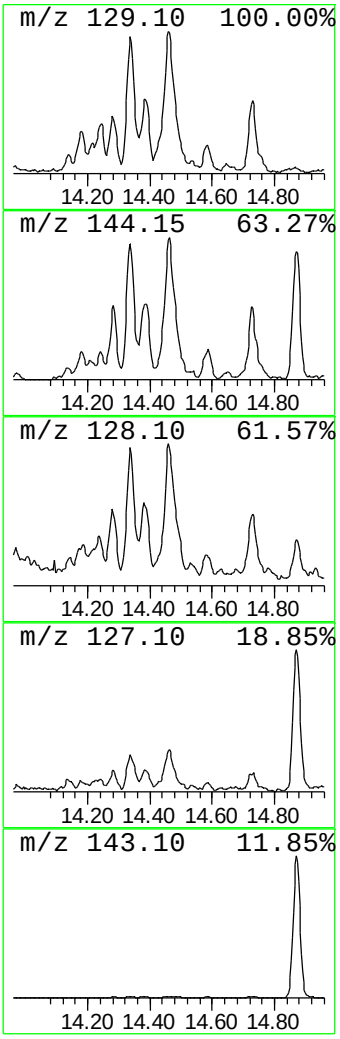
Peak Number 22 1H-Indene, 1,3-dimethyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	3.19 ug/L	182756	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	93
2	Naphthalene, 1,2-dihydro-4-methyl-	144	C11H12	004373-13-1	93
3	1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	90
4	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	87
5	1H-Cyclopropa[b]naphthalene, 1a,...	144	C11H12	006571-72-8	86





Library Search Compound Report

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Data File : VU031710.D
Acq On : 02 May 2019 14:21
Operator : JC/SP
Sample : K2604-20DL 200X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91DL

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

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

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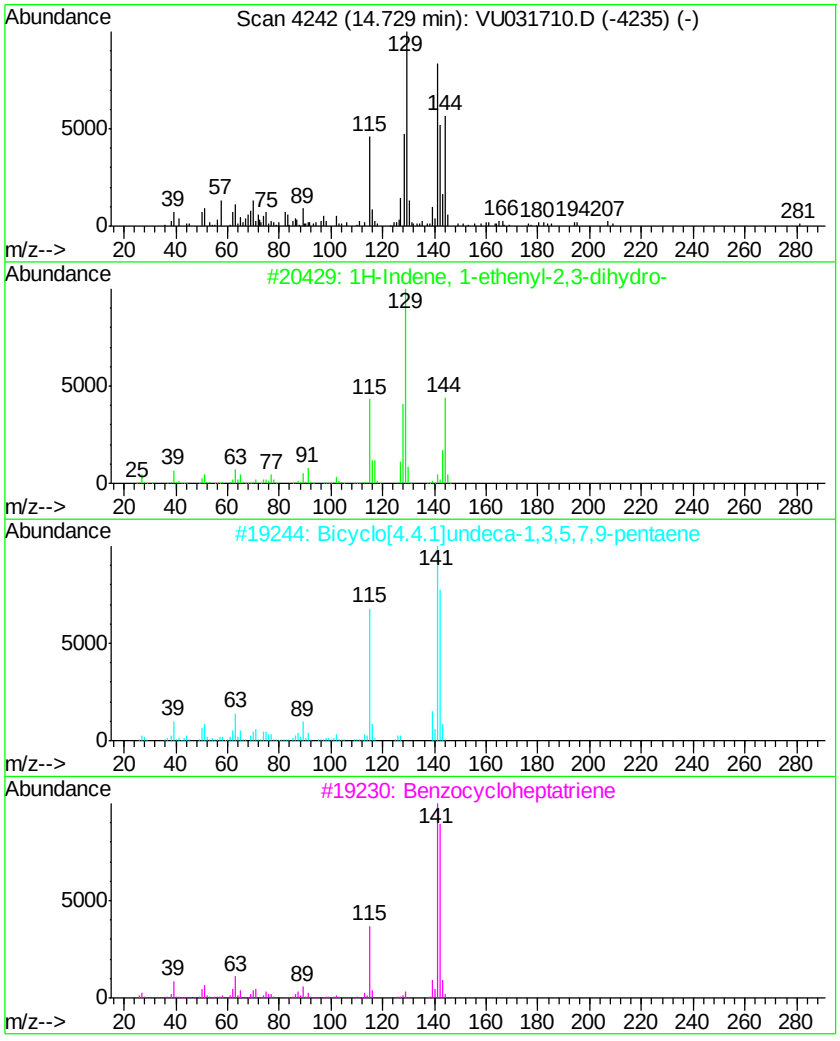
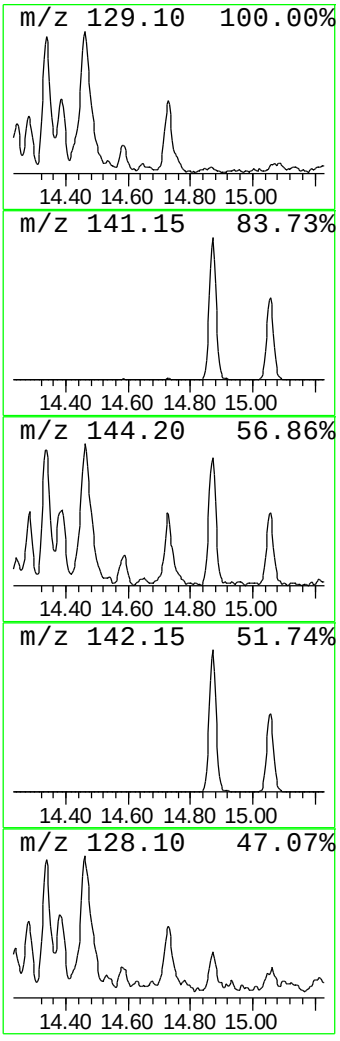
Peak Number 23 1H-Indene, 1-ethenyl-2,3-di... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	2.81 ug/L	160829	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-ethenyl-2,3-dihydro-	144	C11H12	051783-46-1	64
2	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	50
3	Benzocycloheptatriene	142	C11H10	000264-09-5	50
4	Benzene,2-cyclopenten-1-yl-	144	C11H12	037689-22-8	49
5	Naphthalene, 1,2-dihydro-6-methyl-	144	C11H12	002717-47-7	49





Library Search Compound Report

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Data File : VU031710.D
Acq On : 02 May 2019 14:21
Operator : JC/SP
Sample : K2604-20DL 200X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91DL

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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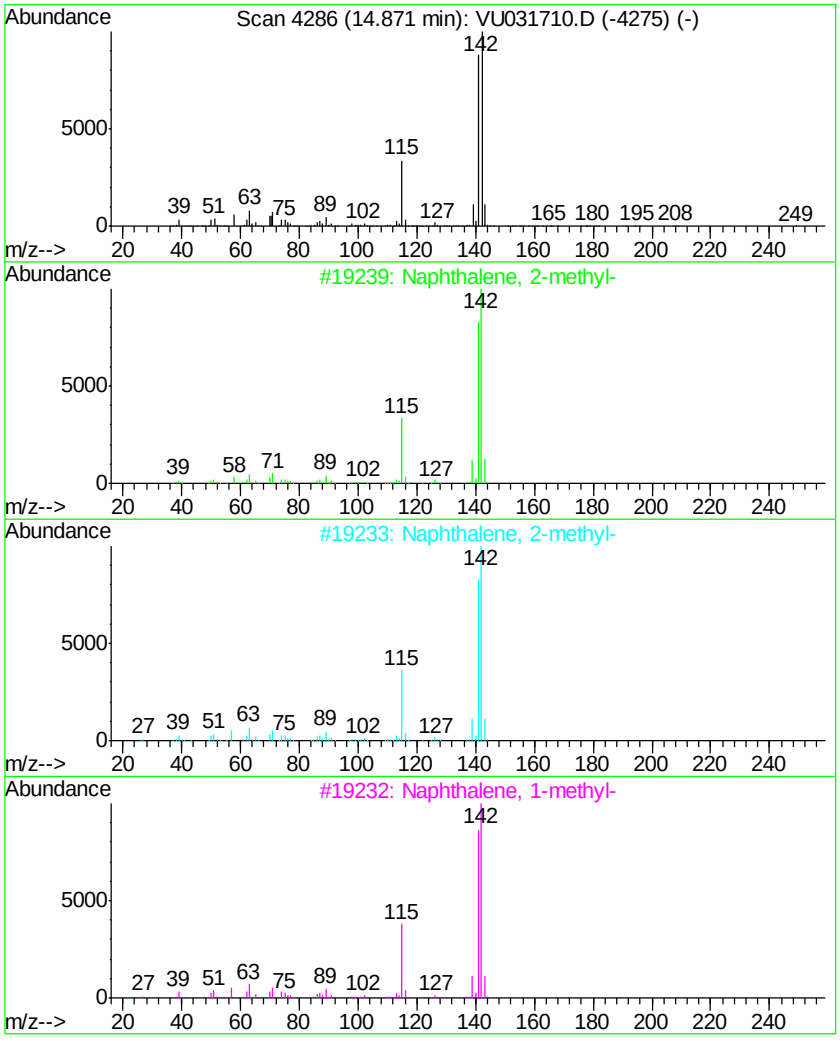
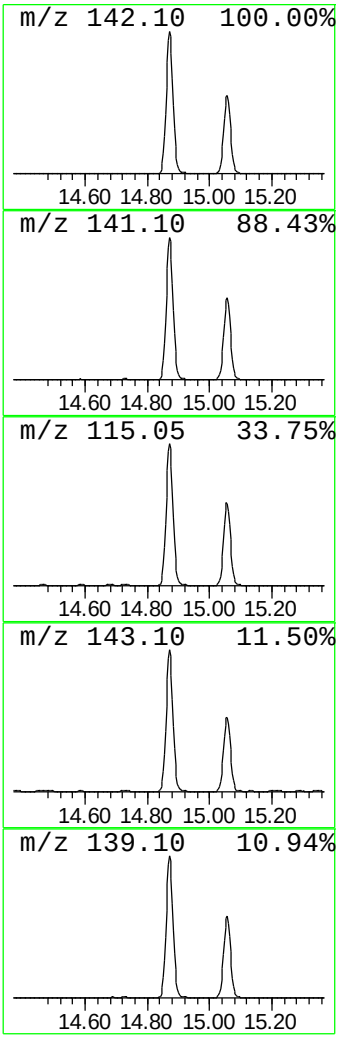
Peak Number 24 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	200.32 ug/L	11458400	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, 2-methyl-	142	C11H10	000091-57-6	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





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Acq On : 02 May 2019 14:21
Operator : JC/SP
Sample : K2604-20DL 200X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91DL

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

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

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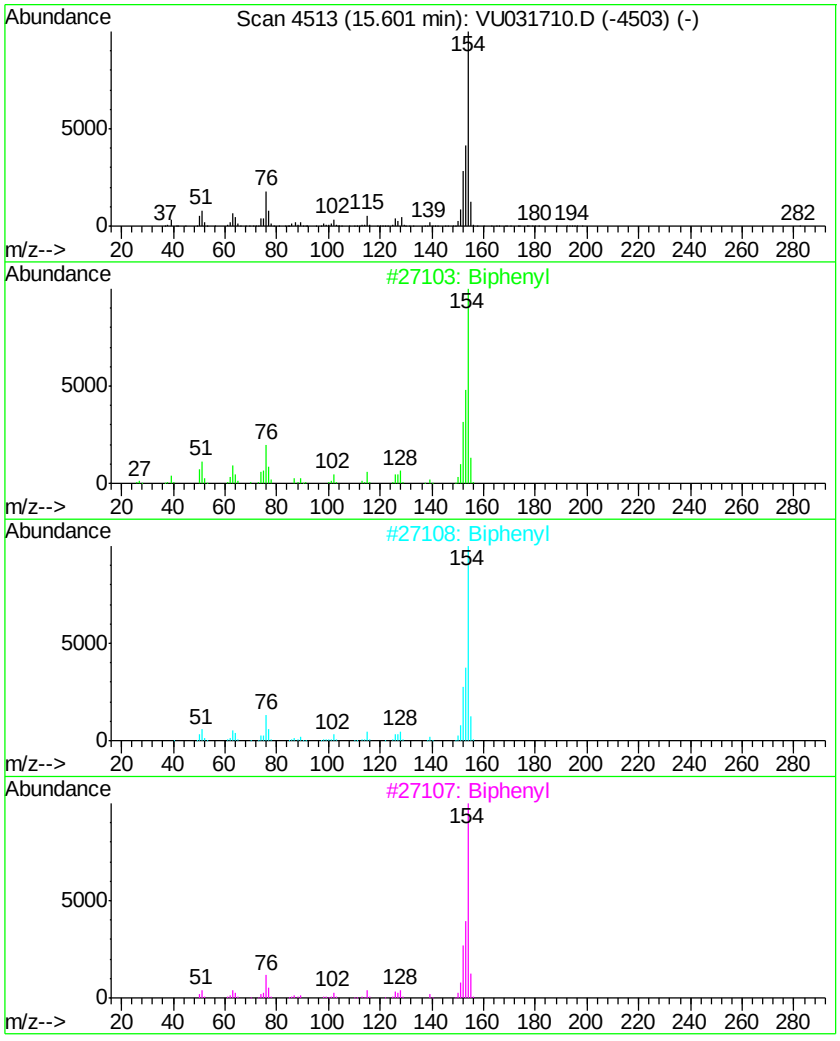
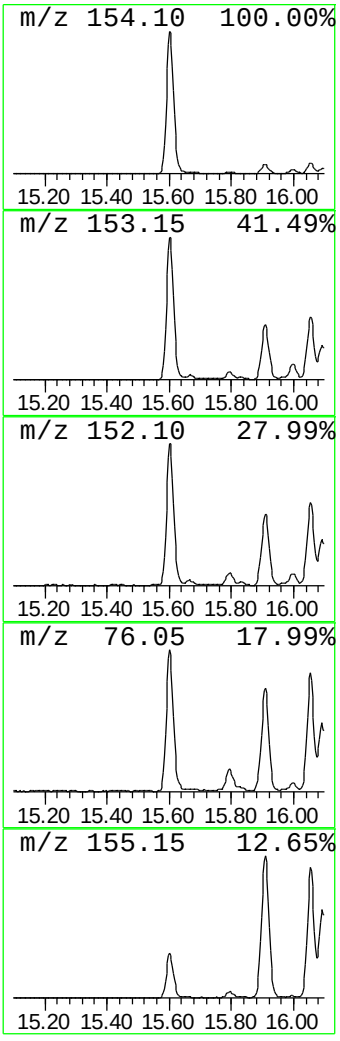
Peak Number 26 Biphenyl Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.60	30.11 ug/L	1722260	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenyl	154	C12H10	000092-52-4	95
2	Biphenyl	154	C12H10	000092-52-4	95
3	Biphenyl	154	C12H10	000092-52-4	95
4	Biphenyl	154	C12H10	000092-52-4	93
5	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	87





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Acq On : 02 May 2019 14:21
Operator : JC/SP
Sample : K2604-20DL 200X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91DL

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 Naphthalene, 1-ethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	10.15 ug/L	580475	1,4-Dichlorobenzene-d4	11.48

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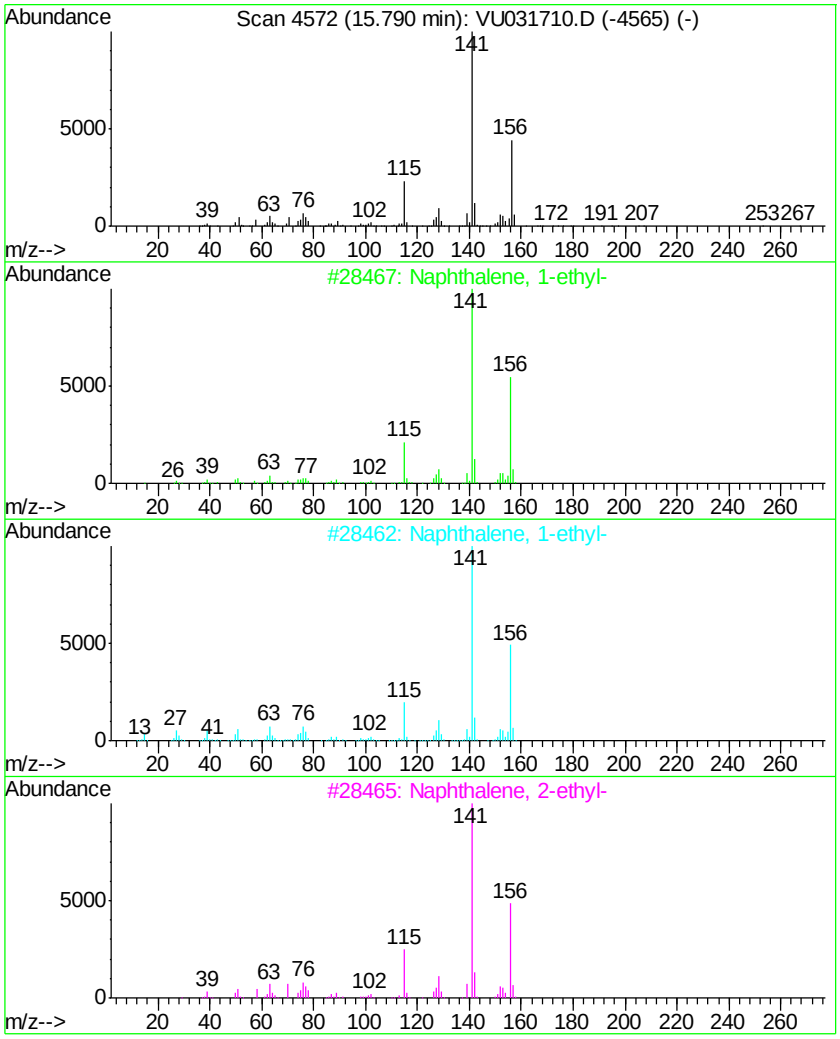

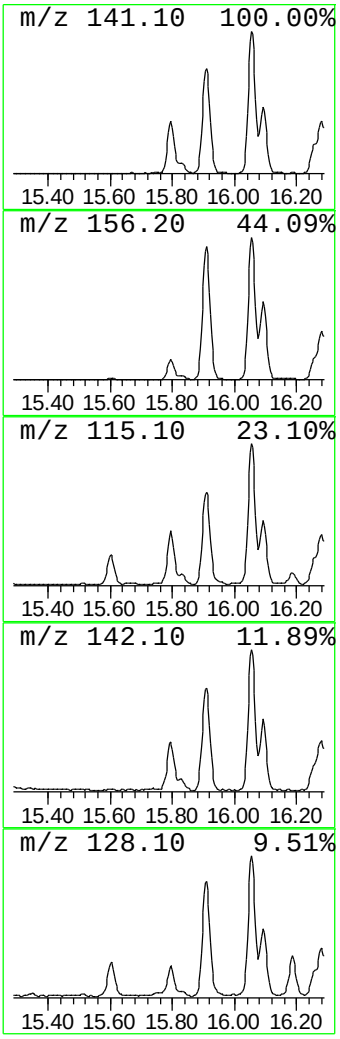

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031710.D
Acq On : 02 May 2019 14:21
Operator : JC/SP
Sample : K2604-20DL 200X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91DL

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

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

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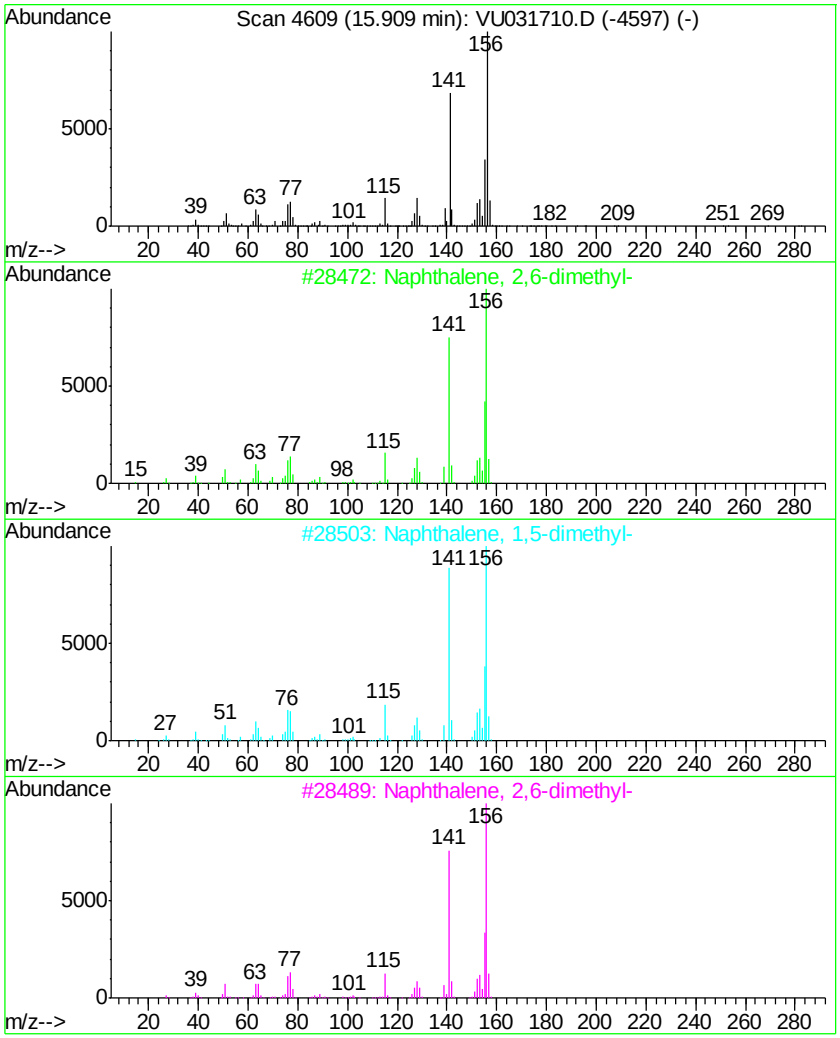
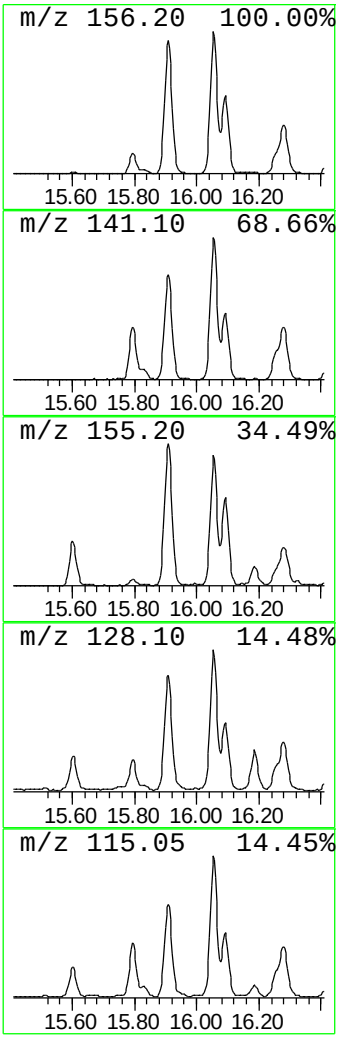
Peak Number 28 Naphthalene, 2,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	53.88 ug/L	3081710	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	98
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98





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Operator : JC/SP
Sample : K2604-20DL 200X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91DL

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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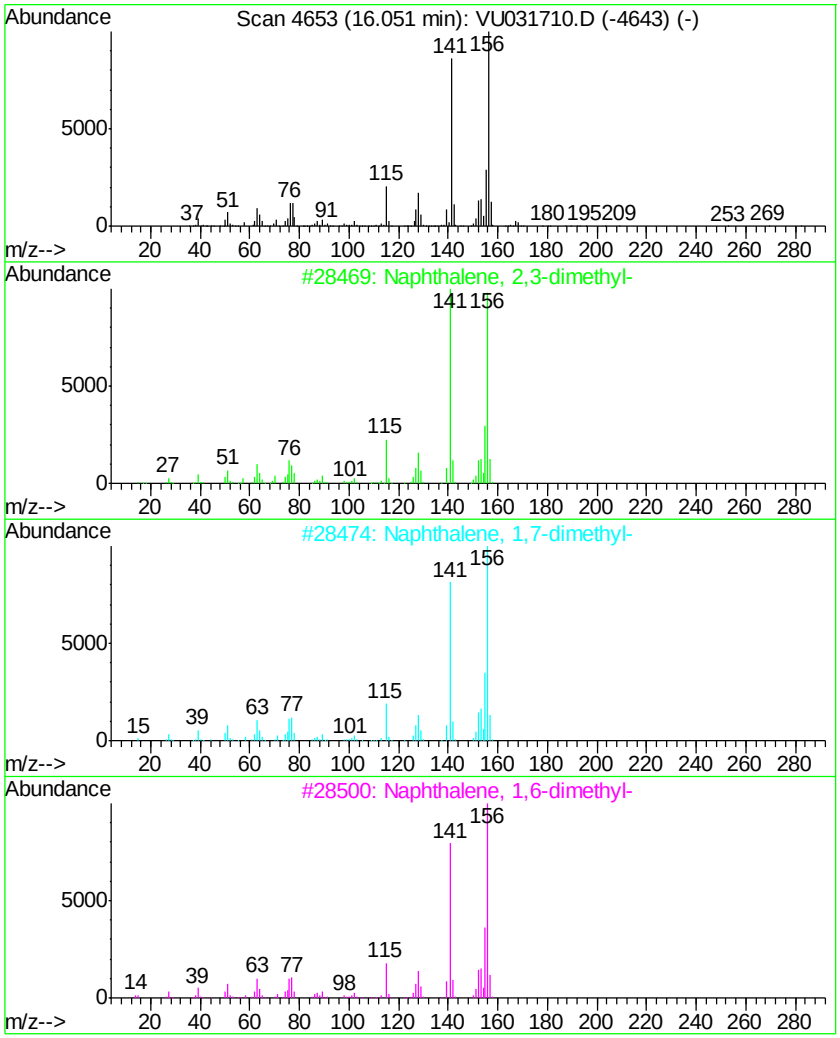
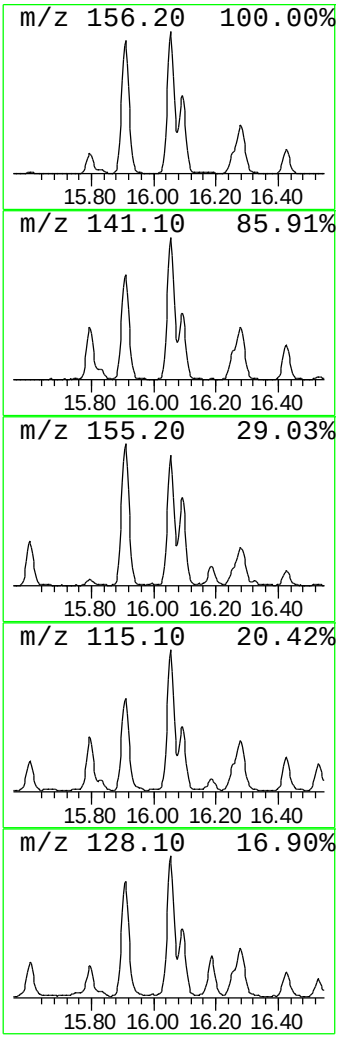
Peak Number 29 Naphthalene, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	56.87 ug/L	3252950	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97





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Data File : VU031710.D
Acq On : 02 May 2019 14:21
Operator : JC/SP
Sample : K2604-20DL 200X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91DL

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

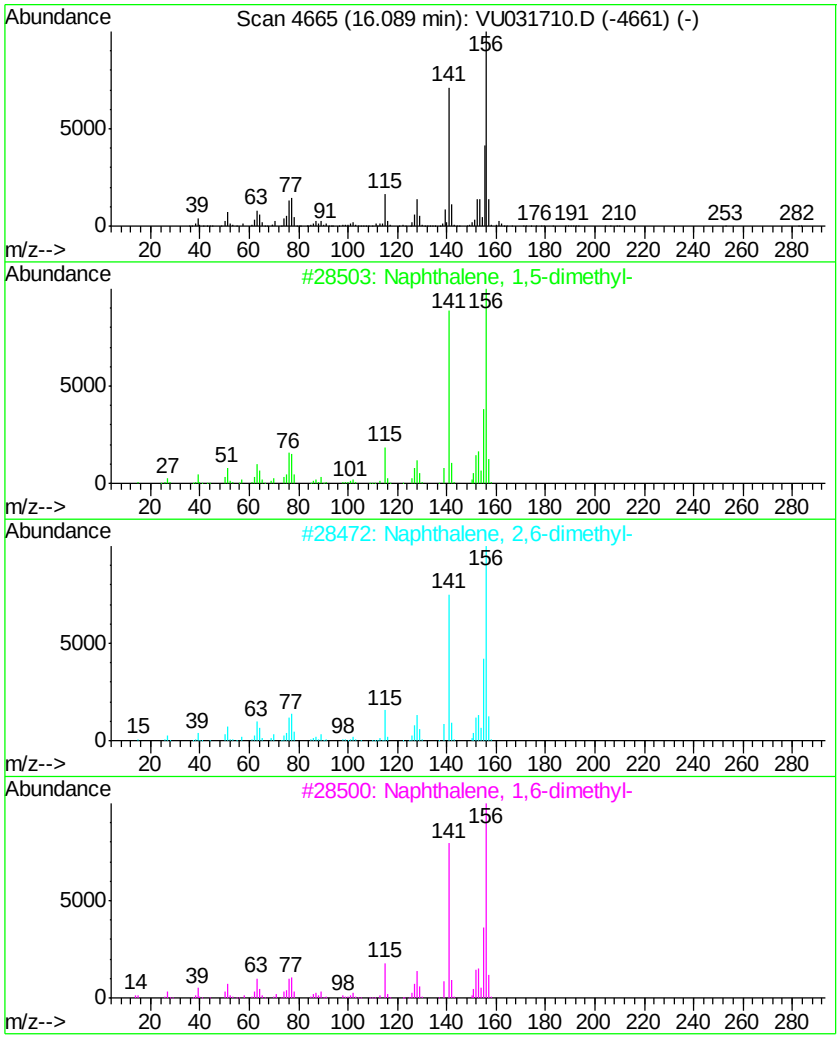
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

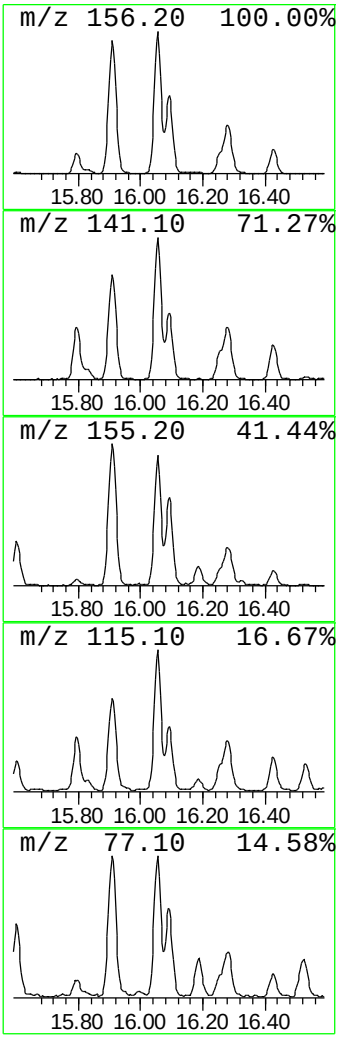
****

Peak Number 30 Naphthalene, 1,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.09	28.37 ug/L	1622530	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97





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Sample : K2604-20DL 200X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91DL

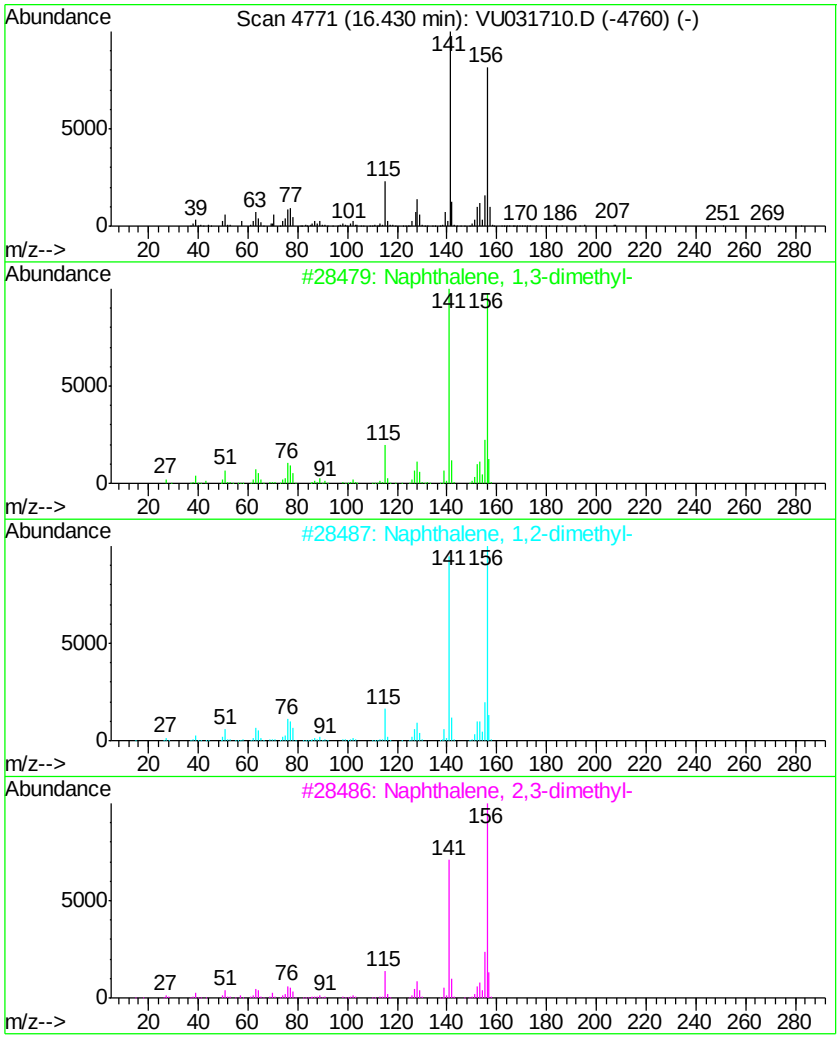
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

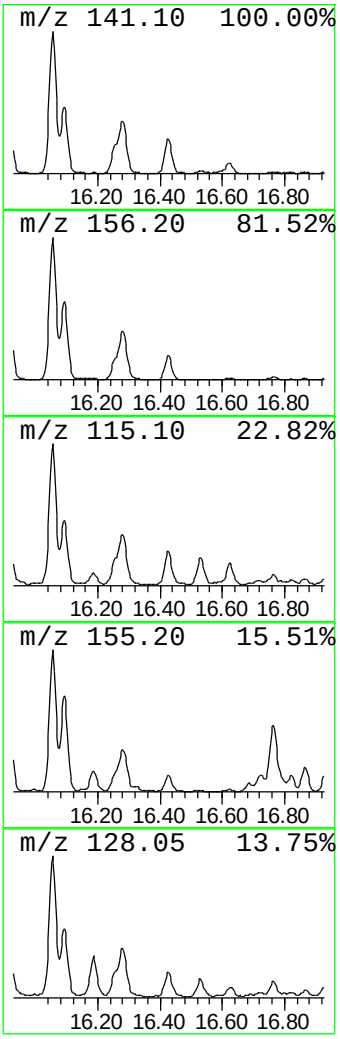
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 Naphthalene, 1,3-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	11.49 ug/L	656948	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
2	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





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Acq On : 02 May 2019 14:21
Operator : JC/SP
Sample : K2604-20DL 200X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91DL

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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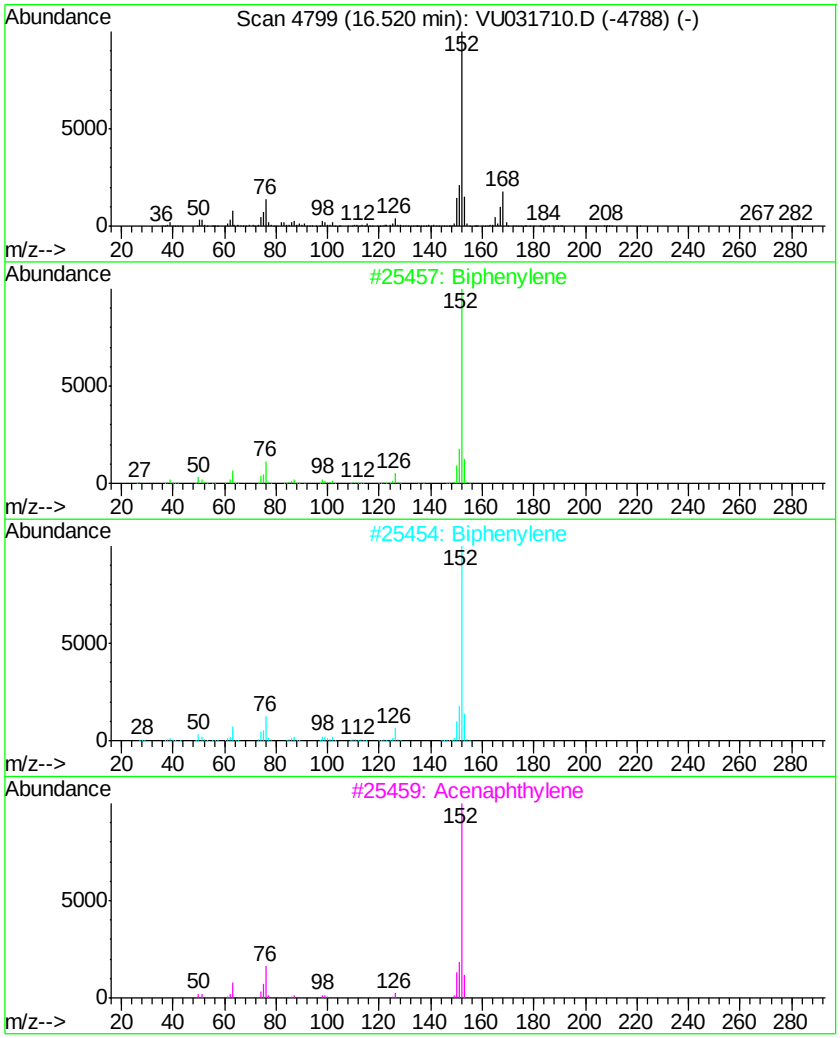
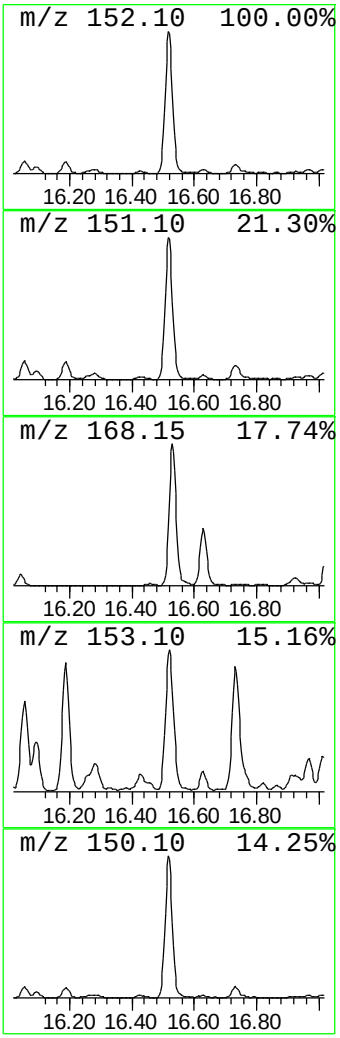
Peak Number 34 Biphenylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.52	62.13 ug/L	3554030	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenylene	152	C12H8	000259-79-0	90
2	Biphenylene	152	C12H8	000259-79-0	90
3	Acenaphthylene	152	C12H8	000208-96-8	76
4	Acenaphthylene	152	C12H8	000208-96-8	68
5	1-acenaphthenol, trifluoroacetat...	266	C14H9F3O2	1000376-45-2	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031710.D
Acq On : 02 May 2019 14:21
Operator : JC/SP
Sample : K2604-20DL 200X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91DL

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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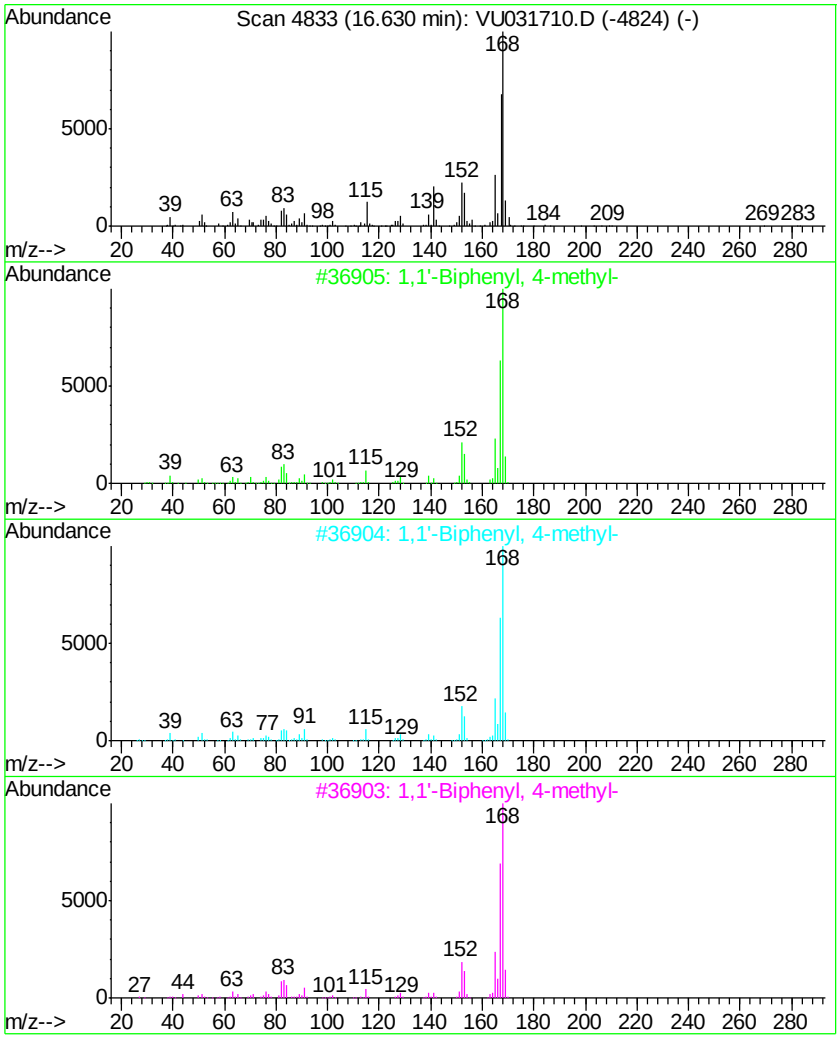
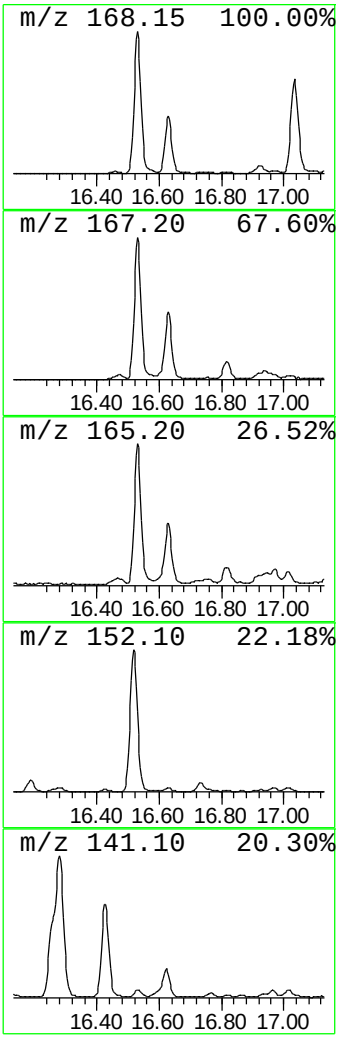
Peak Number 35 1,1'-Biphenyl, 4-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.63	10.63 ug/L	608322	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	96
2	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	95
3	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	89
4	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	89
5	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	86





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031710.D
Acq On : 02 May 2019 14:21
Operator : JC/SP
Sample : K2604-20DL 200X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91DL

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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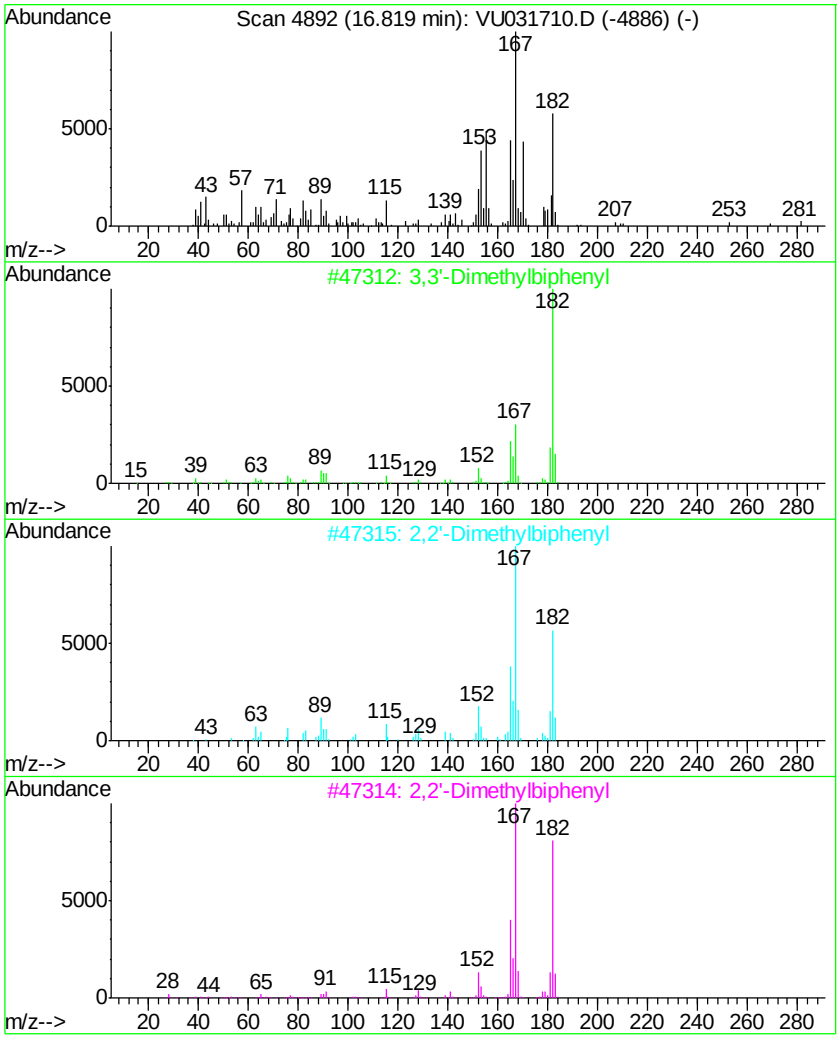
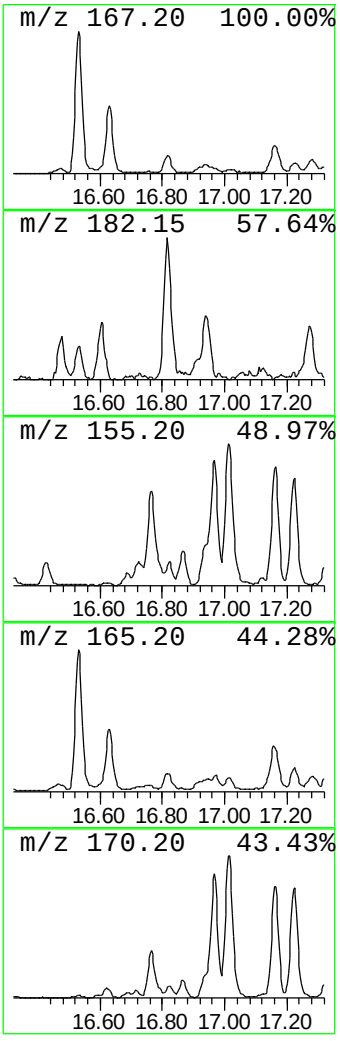
Peak Number 37 3,3'-Dimethylbiphenyl Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.82	3.14 ug/L	179891	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	86
2	2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	60
3	2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	60
4	Benzene, 1-methyl-4-(phenylmethyl)-	182	C14H14	000620-83-7	49
5	4-Ethylbiphenyl	182	C14H14	005707-44-8	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031710.D
Acq On : 02 May 2019 14:21
Operator : JC/SP
Sample : K2604-20DL 200X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91DL

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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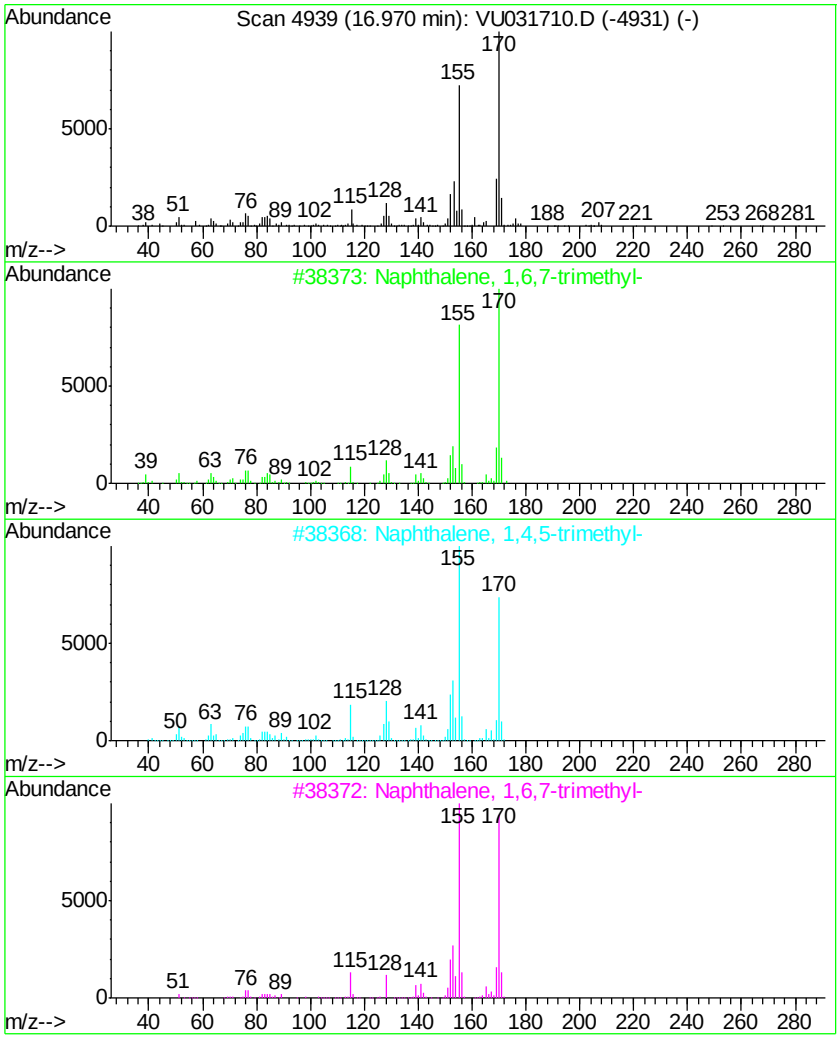
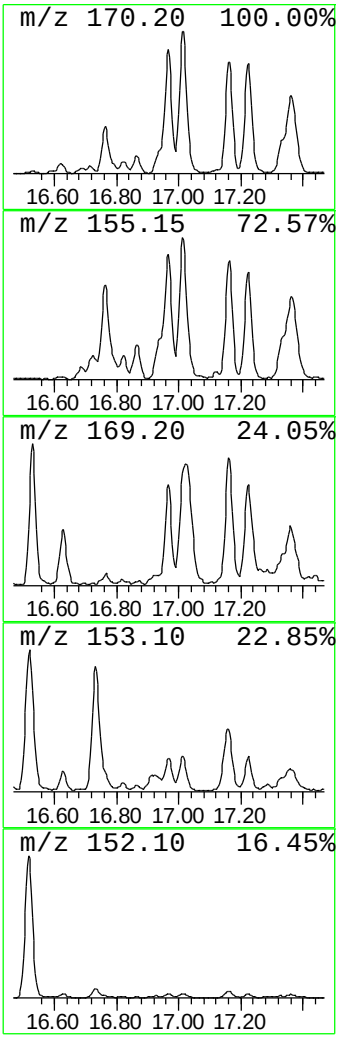
Peak Number 39 Naphthalene, 1,6,7-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.97	12.53 ug/L	716765	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
4	1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	94
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031710.D
Acq On : 02 May 2019 14:21
Operator : JC/SP
Sample : K2604-20DL 200X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91DL

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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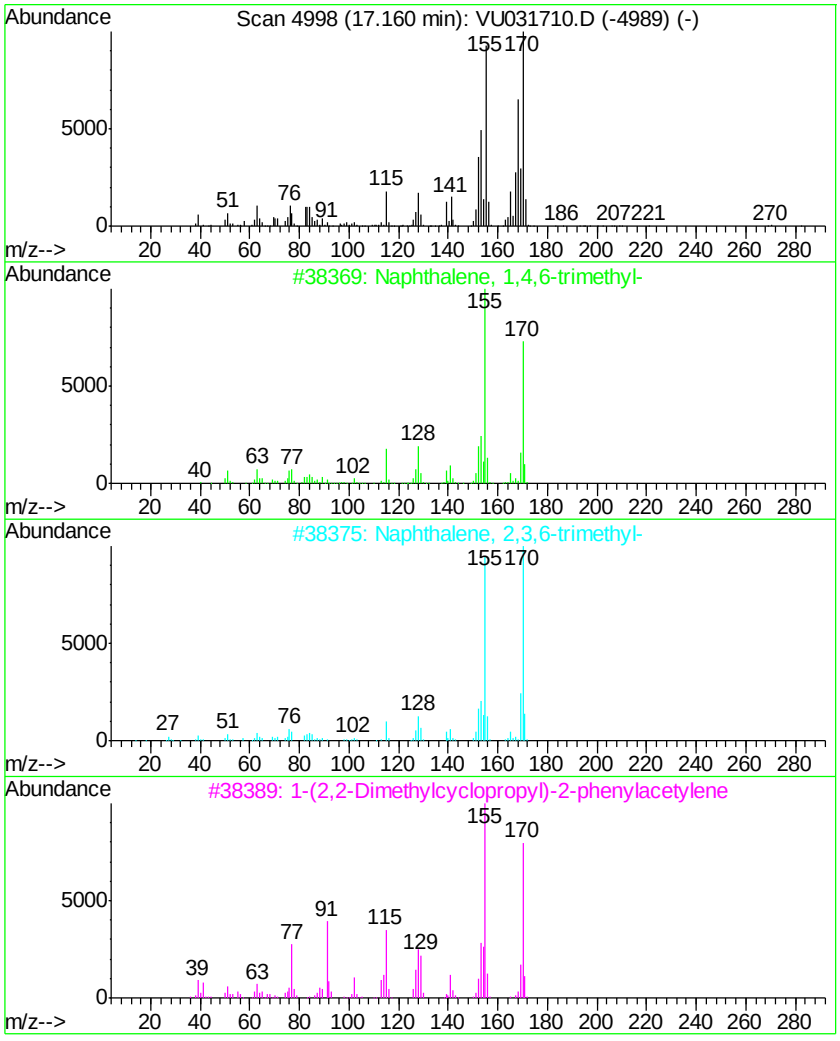
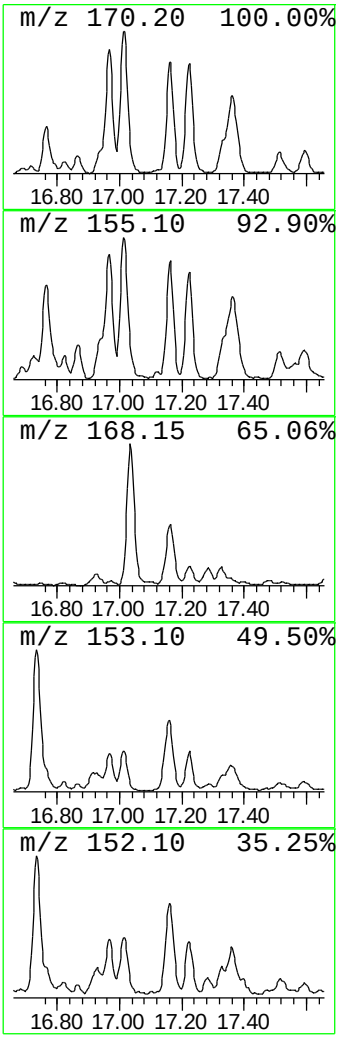
Peak Number 41 Naphthalene, 1,4,6-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.16	15.92 ug/L	910909	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	92
3	1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	64
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	64
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031710.D
Acq On : 02 May 2019 14:21
Operator : JC/SP
Sample : K2604-20DL 200X
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ91DL

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
Benzene, 1-ethyl-...	10.68	5.5	ug/L	316109	3	11.48	2860040	50.0
Benzene, 1,2,3-tr...	11.14	16.6	ug/L	946751	3	11.48	2860040	50.0
Benzene, 1-etheny...	11.21	19.4	ug/L	1107360	3	11.48	2860040	50.0
Benzene, 1-etheny...	11.26	7.0	ug/L	400103	3	11.48	2860040	50.0
(Z)-1-Phenylpropene	11.62	3.7	ug/L	209909	3	11.48	2860040	50.0
Indane	11.76	3.8	ug/L	216029	3	11.48	2860040	50.0
Indene	11.98	89.7	ug/L	5129450	3	11.48	2860040	50.0
Benzene, 2-etheny...	12.42	5.0	ug/L	288690	3	11.48	2860040	50.0
1,3-Cyclopentadie...	12.70	5.3	ug/L	300838	3	11.48	2860040	50.0
Benzene, 1-etheny...	12.82	4.0	ug/L	228293	3	11.48	2860040	50.0
Benzene, 1,2,3,4-...	13.12	6.8	ug/L	391027	3	11.48	2860040	50.0
2-Methylindene	13.18	18.3	ug/L	1045410	3	11.48	2860040	50.0
Cycloprop[a]inden...	13.39	3.4	ug/L	192452	3	11.48	2860040	50.0
Benzo[b]thiophene	13.86	5.5	ug/L	311581	3	11.48	2860040	50.0
(DEL) Alkane: Str...	14.14	2.6	ug/L	146805	3	11.48	2860040	50.0
1H-Indene, 2,3-di...	14.34	3.4	ug/L	195436	3	11.48	2860040	50.0
1H-Indene, 1,3-di...	14.46	3.2	ug/L	182756	3	11.48	2860040	50.0
1H-Indene, 1-ethe...	14.73	2.8	ug/L	160829	3	11.48	2860040	50.0
Naphthalene, 1-me...	14.87	200.3	ug/L	11458400	3	11.48	2860040	50.0
Biphenyl	15.60	30.1	ug/L	1722260	3	11.48	2860040	50.0
Naphthalene, 1-et...	15.79	10.2	ug/L	580475	3	11.48	2860040	50.0
Naphthalene, 2,6-...	15.91	53.9	ug/L	3081710	3	11.48	2860040	50.0
Naphthalene, 2,3-...	16.05	56.9	ug/L	3252950	3	11.48	2860040	50.0
Naphthalene, 1,5-...	16.09	28.4	ug/L	1622530	3	11.48	2860040	50.0
Naphthalene, 1,3-...	16.43	11.5	ug/L	656948	3	11.48	2860040	50.0
Biphenylene	16.52	62.1	ug/L	3554030	3	11.48	2860040	50.0
1,1'-Biphenyl, 4-...	16.63	10.6	ug/L	608322	3	11.48	2860040	50.0
3,3'-Dimethylbiph...	16.82	3.1	ug/L	179891	3	11.48	2860040	50.0
Naphthalene, 1,6,...	16.97	12.5	ug/L	716765	3	11.48	2860040	50.0
Naphthalene, 1,4,...	17.16	15.9	ug/L	910909	3	11.48	2860040	50.0