LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050219\
Data File : VU031711.D
Acq On : 02 May 2019 14:45
Operator : JC/SP
Sample : K2604-21 10X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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	24	28	33	rBV3	15155	13352	0.01%	0.003%
2	1.396	88	95	106	rBV	305389	346603	0.34%	0.077%
3	1.675	176	182	194	rBV	278057	365793	0.36%	0.082%
4	2.264	355	365	379	rVB	624171	959778	0.94%	0.214%
5	2.630	475	479	482	rBV4	1921	1396	0.00%	0.000%
6	2.701	494	501	508	rBV8	2498	4426	0.00%	0.001%
7	2.756	515	518	524	rVB9	1450	1711	0.00%	0.000%
8	2.981	583	588	591	rBV5	1120	1274	0.00%	0.000%
9	3.514	750	754	757	rBV	1363	1114	0.00%	0.000%
10	3.868	861	864	870	rVB2	1666	1350	0.00%	0.000%
11	3.961	890	893	900	rVB6	1218	1546	0.00%	0.000%
12	4.193	950	965	1021	rBV2	348106	1230675	1.20%	0.274%
13	4.643	1087	1105	1132	rBV	546122	1302583	1.27%	0.291%
14	4.981	1207	1210	1213	rBV4	2289	1978	0.00%	0.000%
15	5.058	1229	1234	1238	rBV4	1950	2526	0.00%	0.001%
16	5.154	1261	1264	1271	rVB6	2229	2203	0.00%	0.000%
17	5.186	1271	1274	1276	rBV4	1988	1390	0.00%	0.000%
18	5.334	1296	1320	1356	rBV2	1119745	3360277	3.29%	0.750%
19	5.611	1402	1406	1407	rBV4	1875	1312	0.00%	0.000%
20	5.778	1456	1458	1464	rVB6	1752	1465	0.00%	0.000%
21	5.881	1474	1490	1518	rBV	1249839	2536201	2.48%	0.566%
22	6.180	1572	1583	1599	rBV10	21129	52072	0.05%	0.012%
23	6.325	1614	1628	1650	rBV	770385	1589969	1.56%	0.355%
24	6.591	1707	1711	1715	rBV5	2323	1705	0.00%	0.000%
25	6.678	1734	1738	1745	rVB7	1236	1482	0.00%	0.000%
26	6.736	1754	1756	1763	rVV6	1866	1517	0.00%	0.000%
27	6.884	1794	1802	1805	rBV7	5062	6412	0.01%	0.001%
28	6.993	1833	1836	1844	rVB8	2071	2185	0.00%	0.000%
29	7.077	1857	1862	1865	rBV	3229	3543	0.00%	0.001%
30	7.225	1895	1908	1931	rBV	433609	815487	0.80%	0.182%
31	7.418	1963	1968	1973	rBV7	3330	4348	0.00%	0.001%
32	7.562	1993	2013	2031	rBV	1375824	2518437	2.46%	0.562%
33	7.849	2088	2102	2117	rBV	281926	525052	0.51%	0.117%
34	8.016	2150	2154	2155	rBV4	2866	1976	0.00%	0.000%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050219\
Data File : VU031711.D
Acq On : 02 May 2019 14:45
Operator : JC/SP
Sample : K2604-21 10X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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	8.167	2196	2201	2203	rBV7	2076	1901	0.00%	0.000%
36	8.225	2208	2219	2232	rBV	129971	224682	0.22%	0.050%
37	8.315	2236	2247	2286	rBV	1380329	2693912	2.64%	0.601%
38	8.601	2327	2336	2348	rBV3	36380	68698	0.07%	0.015%
39	8.752	2375	2383	2392	rBV8	15717	26927	0.03%	0.006%
40	8.810	2397	2401	2404	rBV5	5390	5795	0.01%	0.001%
41	8.845	2406	2412	2416	rBV3	11986	16437	0.02%	0.004%
42	8.945	2441	2443	2445	rBV3	2402	1420	0.00%	0.000%
43	9.087	2475	2487	2512	rBV	1762734	3047139	2.98%	0.680%
44	9.562	2630	2635	2646	rVB10	16279	27139	0.03%	0.006%
45	9.787	2698	2705	2727	rVB6	37405	108664	0.11%	0.024%
46	9.948	2740	2755	2766	rBV5	50710	114346	0.11%	0.026%
47	10.041	2777	2784	2790	rBV2	47859	70948	0.07%	0.016%
48	10.160	2816	2821	2831	rVB	63627	96570	0.09%	0.022%
49	10.431	2894	2905	2916	rBV	1144055	1866324	1.83%	0.416%
50	10.678	2973	2982	2998	rBV	641402	1436661	1.41%	0.320%
51	10.768	3001	3010	3031	rVB	678349	1150275	1.13%	0.257%
52	10.967	3065	3072	3078	rBV	221863	359017	0.35%	0.080%
53	11.144	3118	3127	3139	rVB	1671260	2563298	2.51%	0.572%
54	11.212	3139	3148	3157	rBV	983559	1476597	1.44%	0.329%
55	11.263	3158	3164	3175	rVB	264873	384746	0.38%	0.086%
56	11.479	3222	3231	3243	rBV	1864498	2863449	2.80%	0.639%
57	11.566	3251	3258	3268	rVB	453590	665958	0.65%	0.149%
58	11.623	3270	3276	3285	rVV2	159150	221229	0.22%	0.049%
59	11.778	3312	3324	3328	rBV4	306531	546494	0.53%	0.122%
60	11.858	3339	3349	3365	rVB3	1813373	3472878	3.40%	0.775%
61	11.977	3380	3386	3394	rBV	254711	346463	0.34%	0.077%
62	12.144	3430	3438	3441	rBV	291515	412349	0.40%	0.092%
63	12.221	3454	3462	3465	rBV	419447	602333	0.59%	0.134%
64	12.302	3479	3487	3498	rVB2	482315	890647	0.87%	0.199%
65	12.421	3515	3524	3535	rVB	2297634	3446291	3.37%	0.769%
66	12.482	3535	3543	3557	rVB2	595756	974222	0.95%	0.217%
67	12.646	3588	3594	3602	rVB	447577	622123	0.61%	0.139%
68	12.701	3602	3611	3623	rBV3	1280459	2524922	2.47%	0.563%
69	12.820	3640	3648	3659	rBV2	1550255	2532376	2.48%	0.565%
70	12.961	3685	3692	3706	rVB2	340006	509879	0.50%	0.114%
71	13.115	3732	3740	3750	rBV3	1391848	2152617	2.11%	0.480%

LSC Area Percent Report

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Sample : K2604-21 10X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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	13.180	3751	3760	3771	rVB	3100095	4745217	4.64%	1.058%
73	13.286	3783	3793	3809	rVB2	2820857	4809492	4.70%	1.073%
74	13.369	3812	3819	3838	rVB3	477637	1173718	1.15%	0.262%
75	13.739	3922	3934	3946	rBV2	44478663	76381619	74.72%	17.037%
76	14.138	4052	4058	4064	rBV2	391840	598221	0.59%	0.133%
77	14.334	4110	4119	4128	rBV2	1250188	2145488	2.10%	0.479%
78	14.463	4151	4159	4175	rVB3	961049	2082631	2.04%	0.465%
79	14.581	4190	4196	4210	rVB	544540	819587	0.80%	0.183%
80	14.726	4235	4241	4259	rVB	890986	1556802	1.52%	0.347%
81	14.816	4263	4269	4275	rVV	448732	644491	0.63%	0.144%
82	14.877	4275	4288	4312	rVB2	62890509	102227166	100.00%	22.801%
83	15.061	4332	4345	4362	rBV2	39361958	62375242	61.02%	13.913%
84	15.601	4503	4513	4524	rBV	9206330	13745354	13.45%	3.066%
85	15.794	4566	4573	4580	rBV	2516374	3370243	3.30%	0.752%
86	15.909	4597	4609	4627	rBV	11814644	20585024	20.14%	4.591%
87	16.054	4644	4654	4661	rBV	14866449	24180689	23.65%	5.393%
88	16.093	4662	4666	4680	rVB	7978833	10729197	10.50%	2.393%
89	16.183	4684	4694	4706	rVB	6654118	10117520	9.90%	2.257%
90	16.279	4707	4724	4746	rVB	4269604	10765604	10.53%	2.401%
91	16.427	4761	4770	4786	rBV	2488384	3974923	3.89%	0.887%
92	16.520	4787	4799	4818	rVB2	12935145	22189151	21.71%	4.949%
93	16.626	4825	4832	4844	rVB3	1180899	1885755	1.84%	0.421%
94	16.733	4856	4865	4872	rBV	1629251	2787968	2.73%	0.622%
95	16.864	4901	4906	4913	rVB2	291030	378866	0.37%	0.085%
96	16.964	4932	4937	4945	rVB	1147750	1526178	1.49%	0.340%
97	17.015	4946	4953	4975	rVB3	1428676	3204877	3.14%	0.715%
98	17.160	4990	4998	5009	rVB	1597089	2612159	2.56%	0.583%
99	17.221	5010	5017	5028	rVB2	838160	1297091	1.27%	0.289%
100	17.527	5102	5112	5126	rBV	658278	1236626	1.21%	0.276%

Sum of corrected areas: 448335763

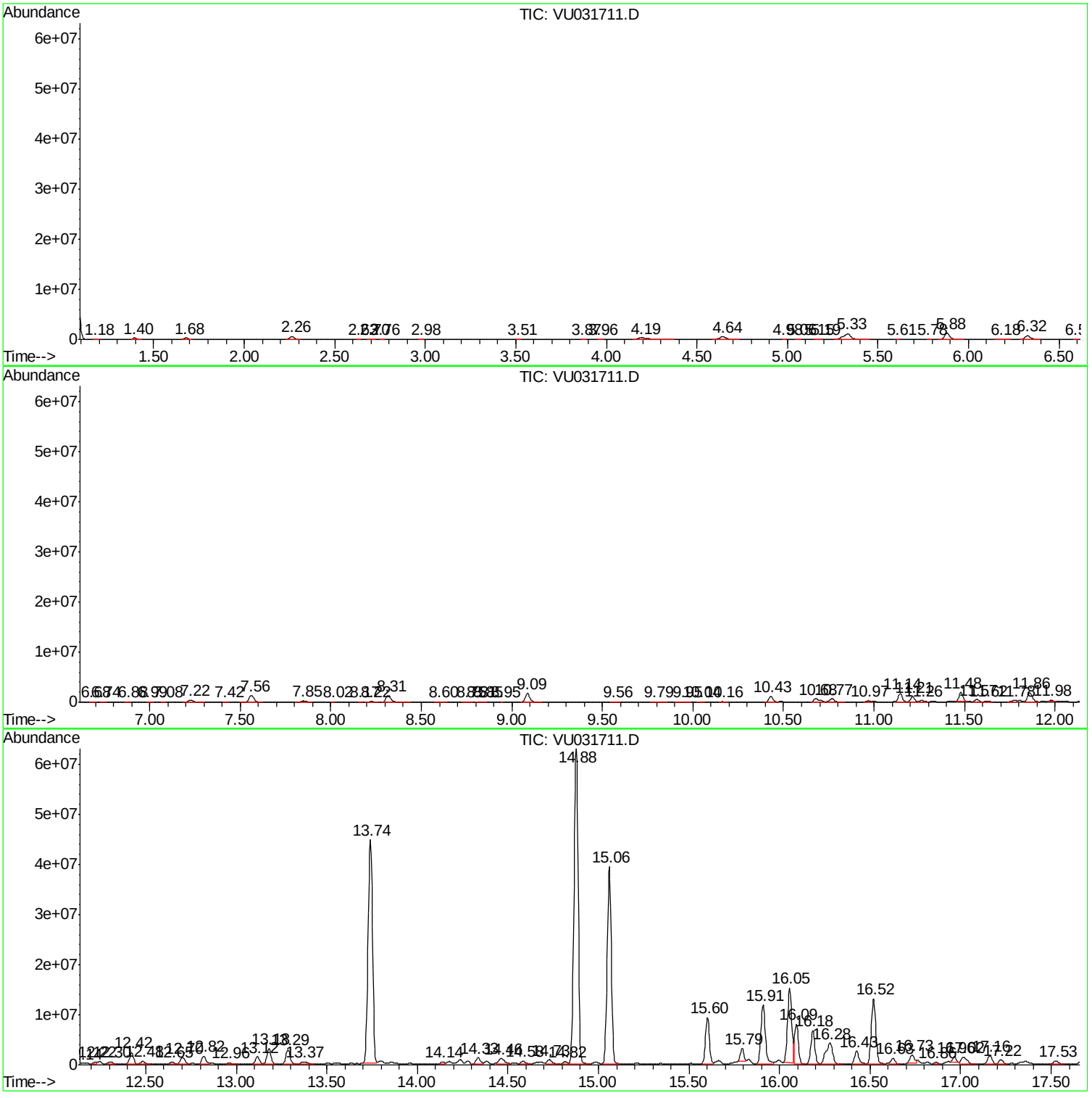
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050219\
Data File : VU031711.D
Acq On : 02 May 2019 14:45
Operator : JC/SP
Sample : K2604-21 10X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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 : VU031711.D
Acq On : 02 May 2019 14:45
Operator : JC/SP
Sample : K2604-21 10X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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

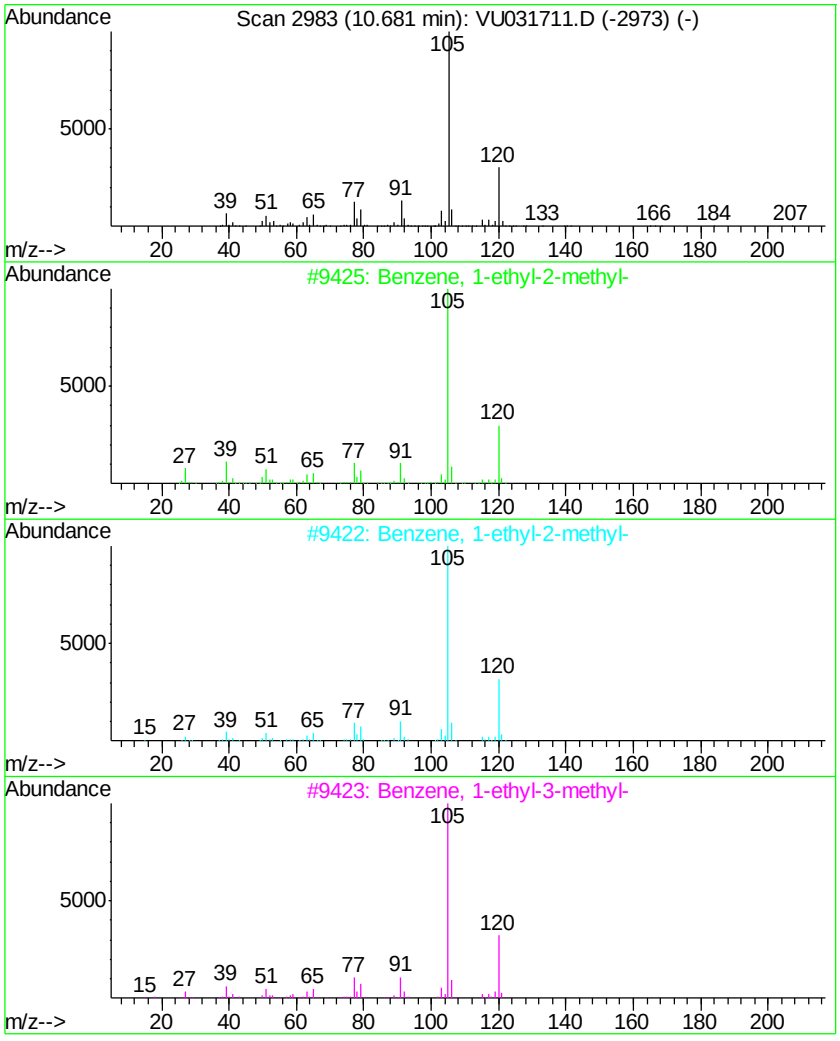
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

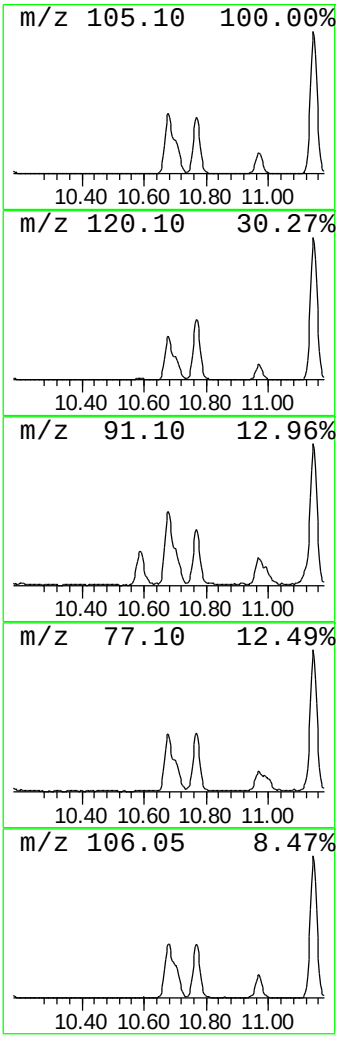
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	25.09 ug/L	1436660	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Mesitylene	120	C9H12	000108-67-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031711.D
Acq On : 02 May 2019 14:45
Operator : JC/SP
Sample : K2604-21 10X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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

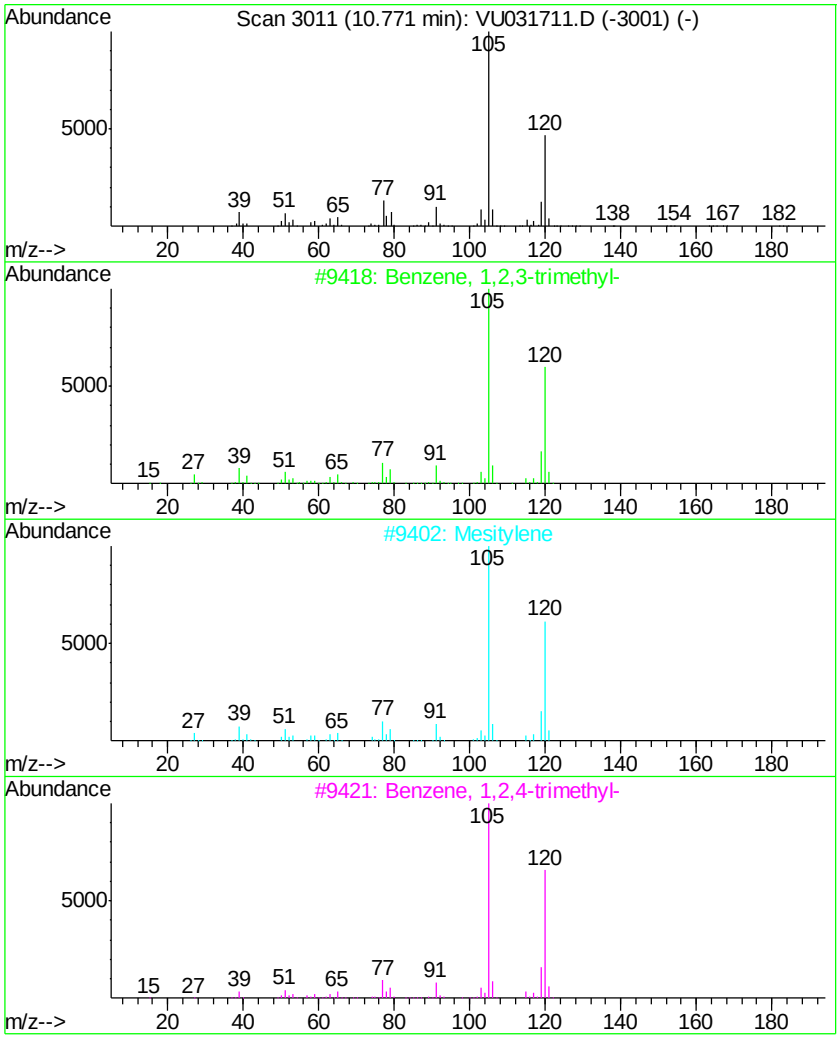
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

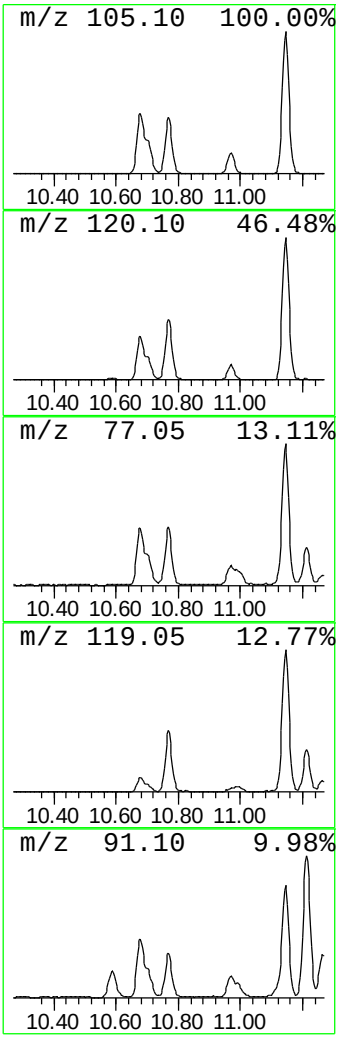
****

Peak Number 3 Benzene, 1,2,3-trimethyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	20.09 ug/L	1150280	1,4-Dichlorobenzene-d4	11.48

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031711.D
Acq On : 02 May 2019 14:45
Operator : JC/SP
Sample : K2604-21 10X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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

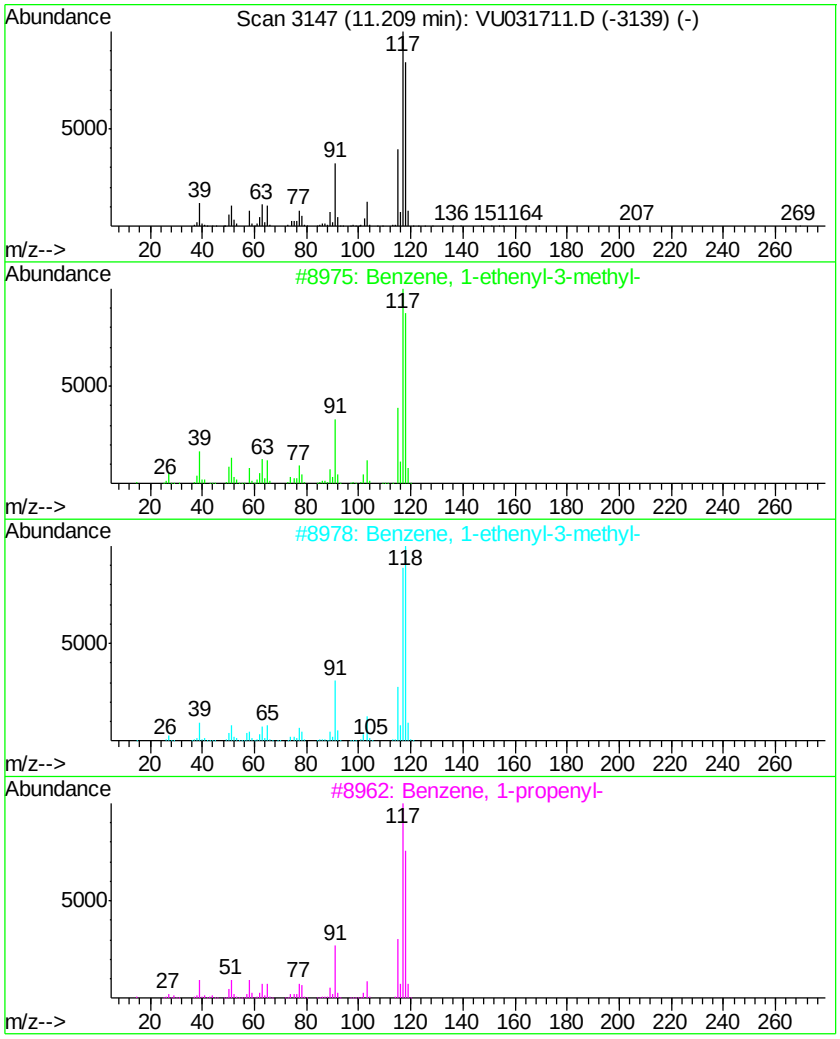
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

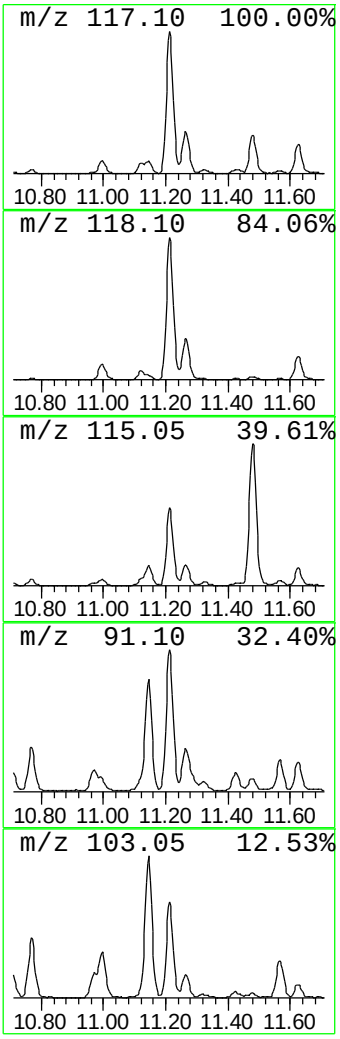
****

Peak Number 6 Benzene, 1-ethenyl-3-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	25.78 ug/L	1476600	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	95
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-2-methyl-	118	C9H10	000611-15-4	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031711.D
Acq On : 02 May 2019 14:45
Operator : JC/SP
Sample : K2604-21 10X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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

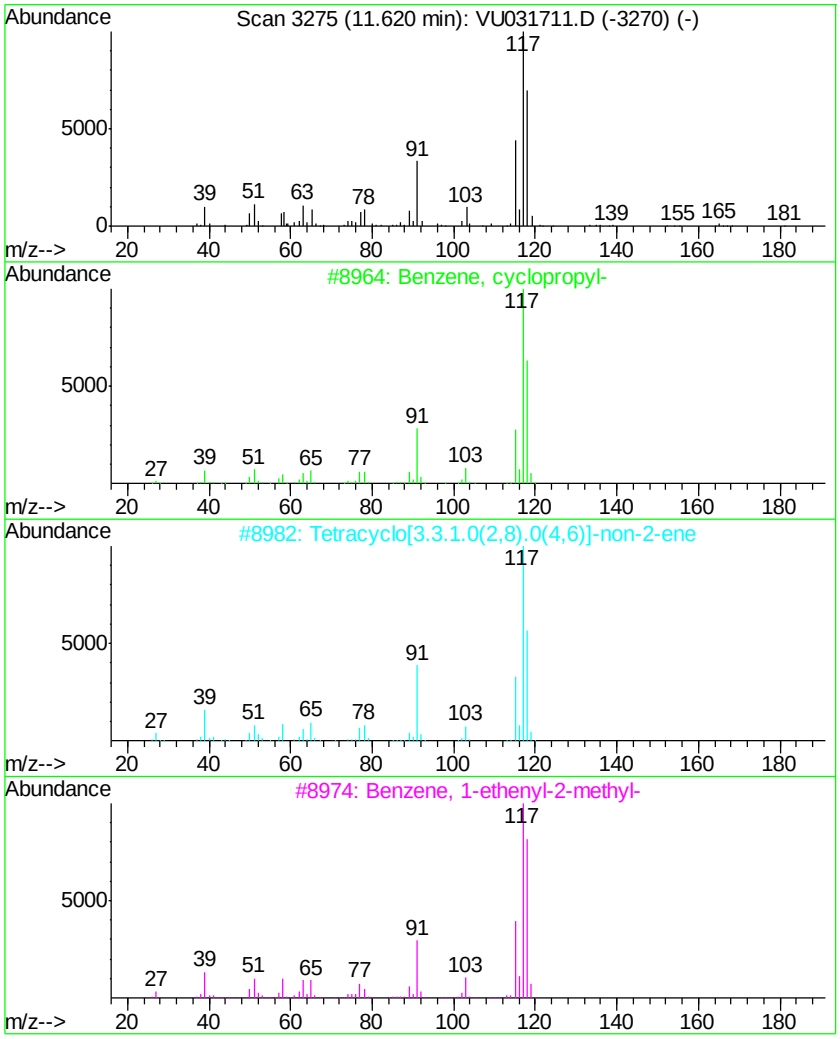
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

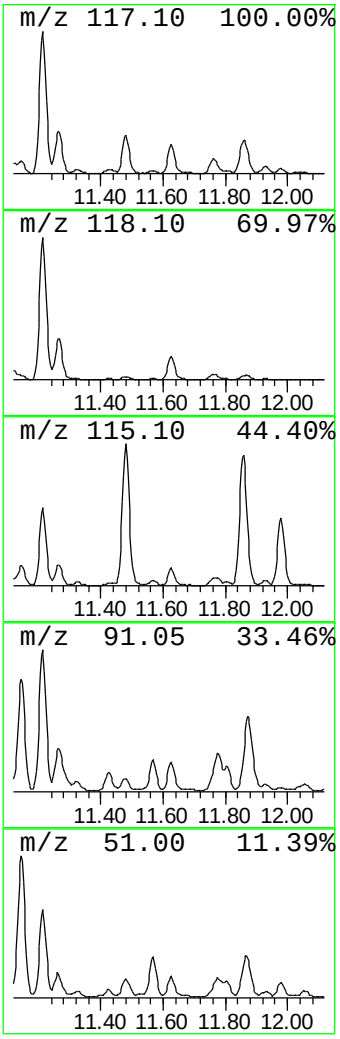
****

Peak Number 9 Benzene, cyclopropyl- Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	3.86 ug/L	221229	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclopropyl-	118	C9H10	000873-49-4	95
2	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	94
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	93
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	93
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	93





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031711.D
Acq On : 02 May 2019 14:45
Operator : JC/SP
Sample : K2604-21 10X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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

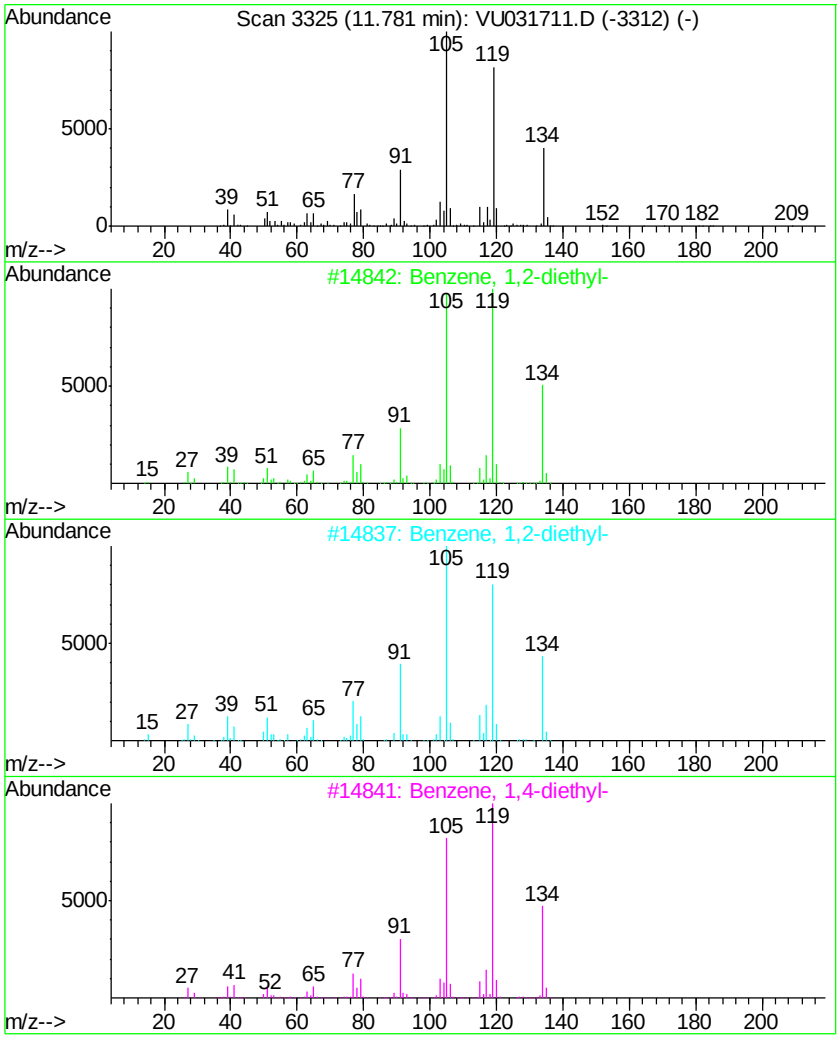
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

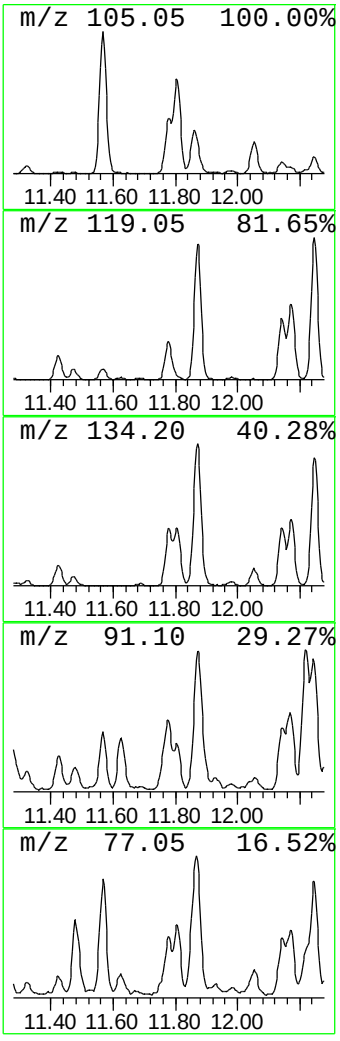
****

Peak Number 10 Benzene, 1,2-diethyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	9.54 ug/L	546494	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	93
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031711.D
Acq On : 02 May 2019 14:45
Operator : JC/SP
Sample : K2604-21 10X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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

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

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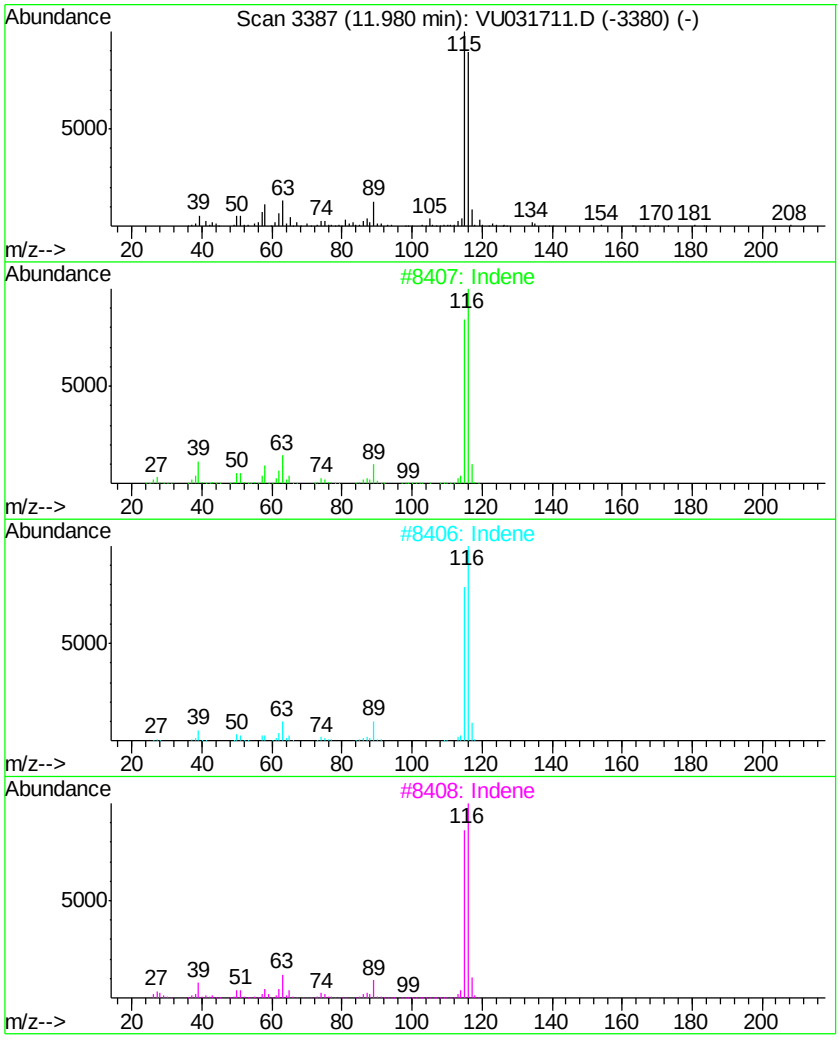
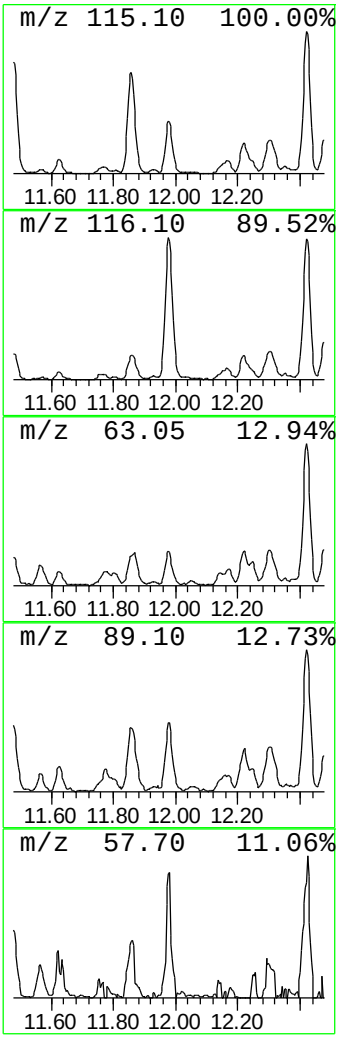
Peak Number 11 Indene Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	6.05 ug/L	346463	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	96
2	Indene	116	C9H8	000095-13-6	95
3	Indene	116	C9H8	000095-13-6	93
4	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031711.D
Acq On : 02 May 2019 14:45
Operator : JC/SP
Sample : K2604-21 10X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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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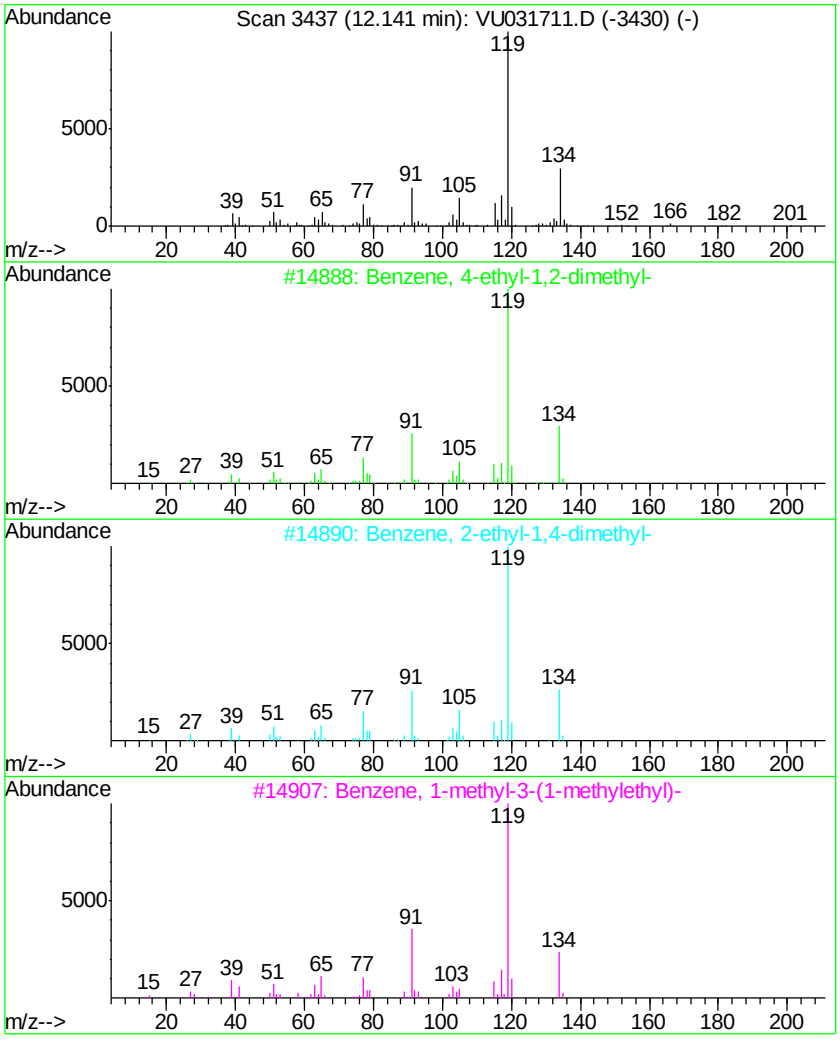
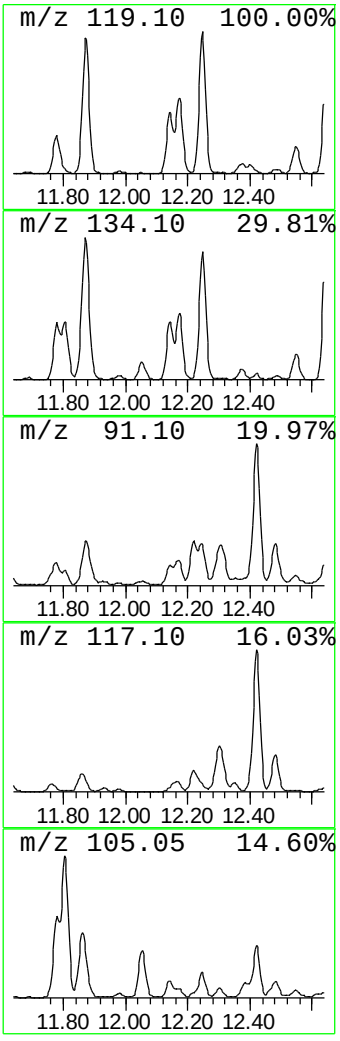
Peak Number 12 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	7.20 ug/L	412349	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
4	o-Cymene	134	C10H14	000527-84-4	90
5	p-Cymene	134	C10H14	000099-87-6	90





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Data File : VU031711.D
Acq On : 02 May 2019 14:45
Operator : JC/SP
Sample : K2604-21 10X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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

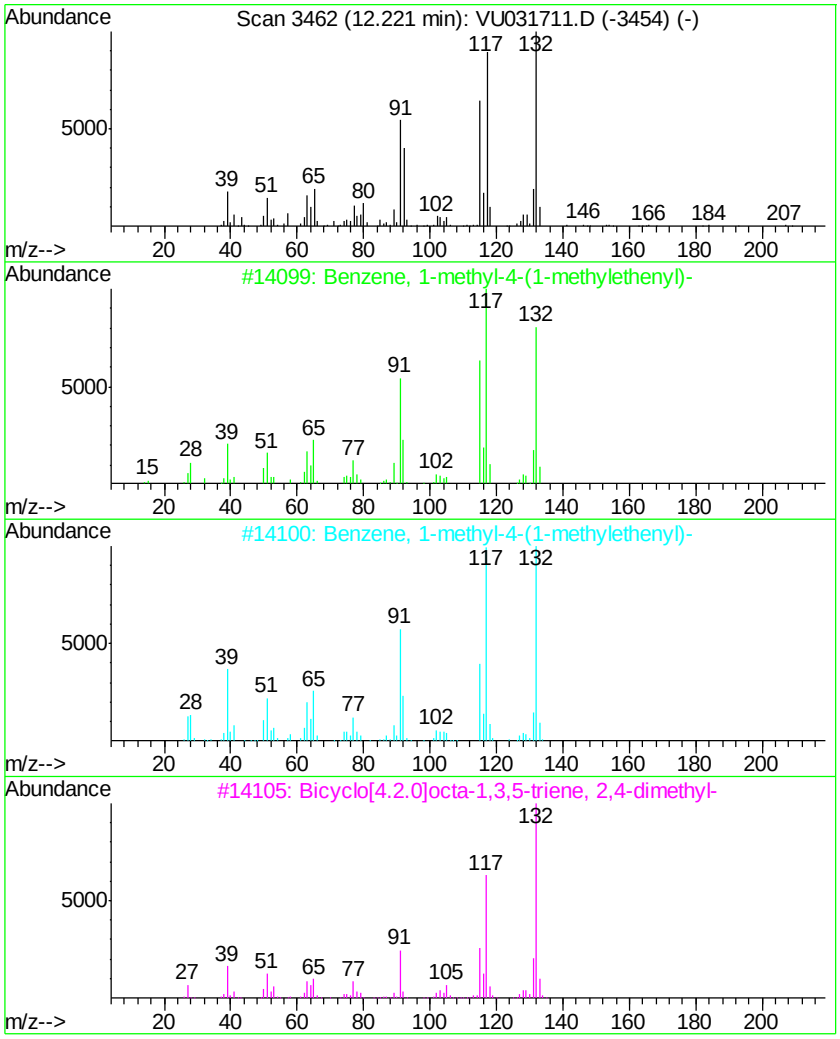
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

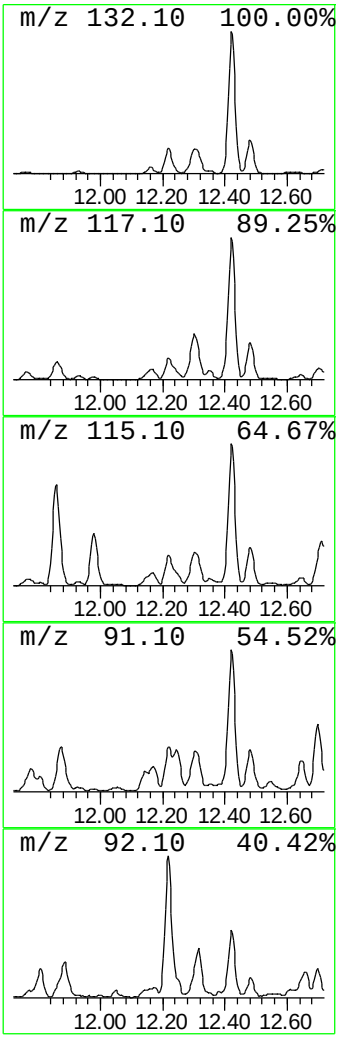
****

Peak Number 13 Benzene, 1-methyl-4-(1-meth... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	10.52 ug/L	602333	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	95
2	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	81
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	76
4	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	76
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031711.D
Acq On : 02 May 2019 14:45
Operator : JC/SP
Sample : K2604-21 10X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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

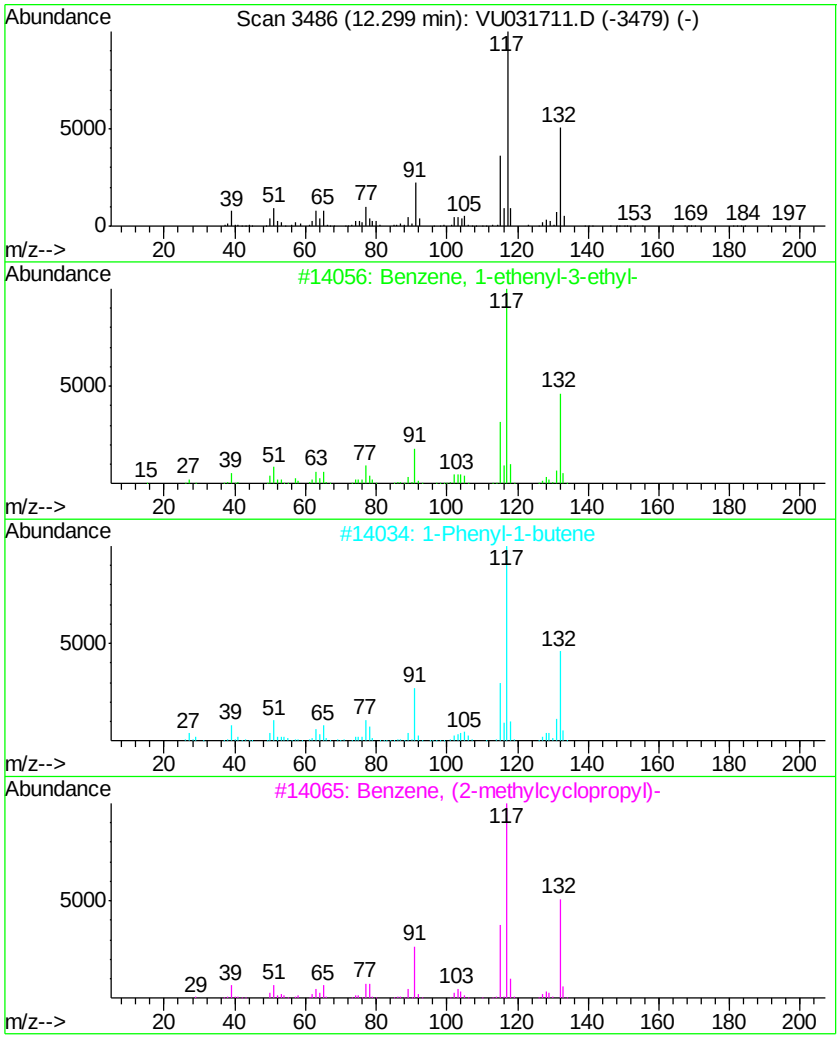
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

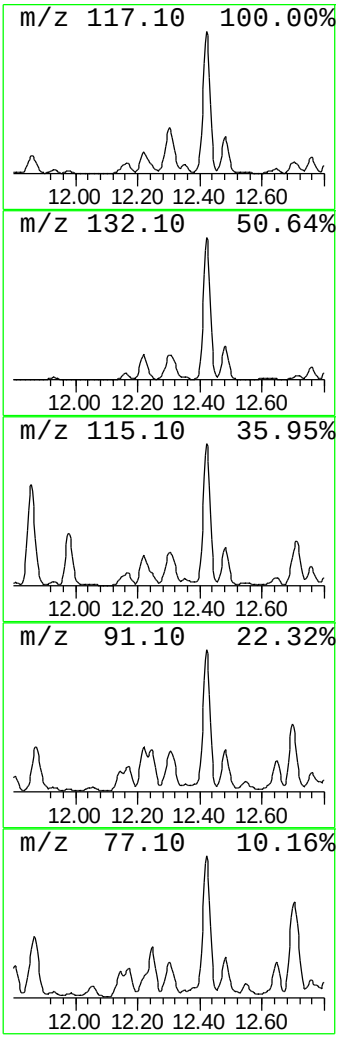
****

Peak Number 14 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	15.55 ug/L	890647	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	97
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	94
3	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	93
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	92
5	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031711.D
Acq On : 02 May 2019 14:45
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Sample : K2604-21 10X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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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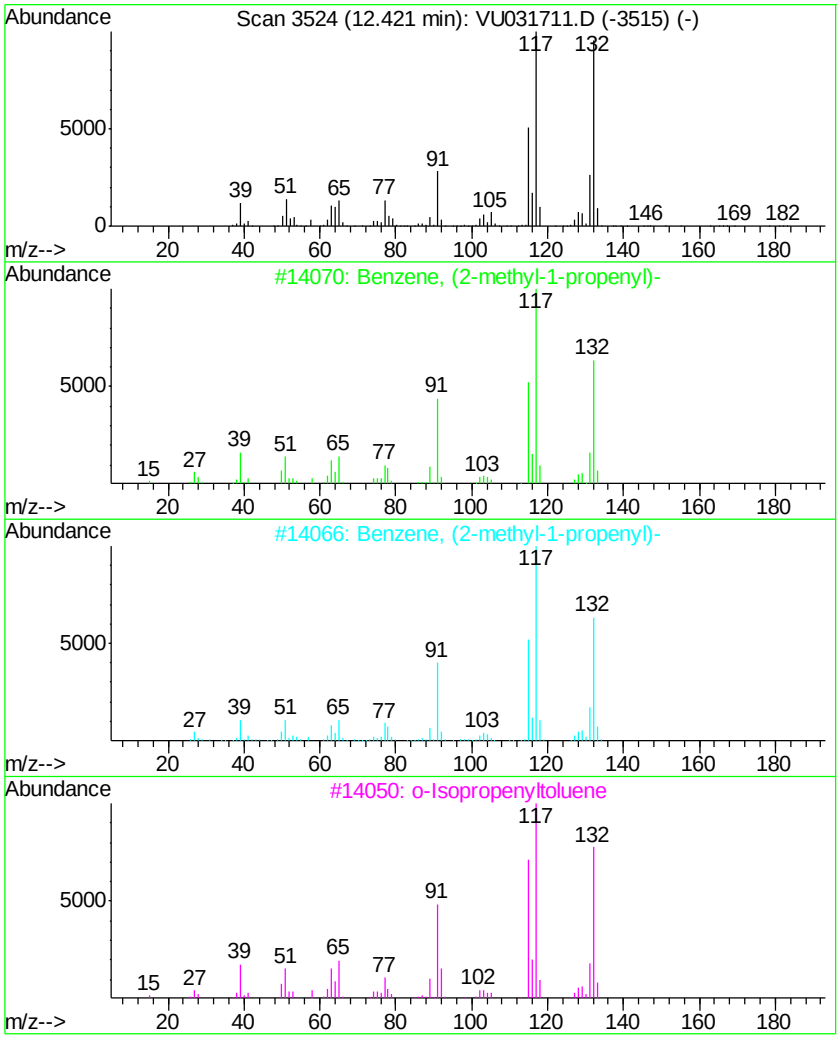
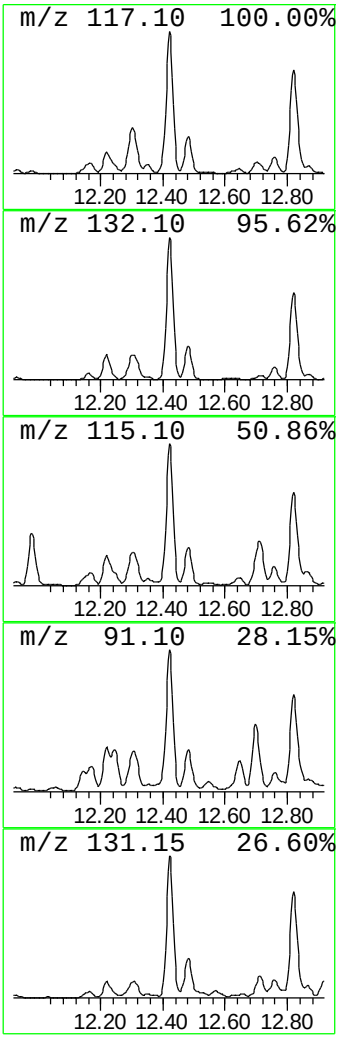
Peak Number 15 Benzene, (2-methyl-1-propen... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	60.18 ug/L	3446290	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	95
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	95
3	o-Isopropenyltoluene	132	C10H12	007399-49-7	94
4	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	93
5	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	93





Library Search Compound Report

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Data File : VU031711.D
Acq On : 02 May 2019 14:45
Operator : JC/SP
Sample : K2604-21 10X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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

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

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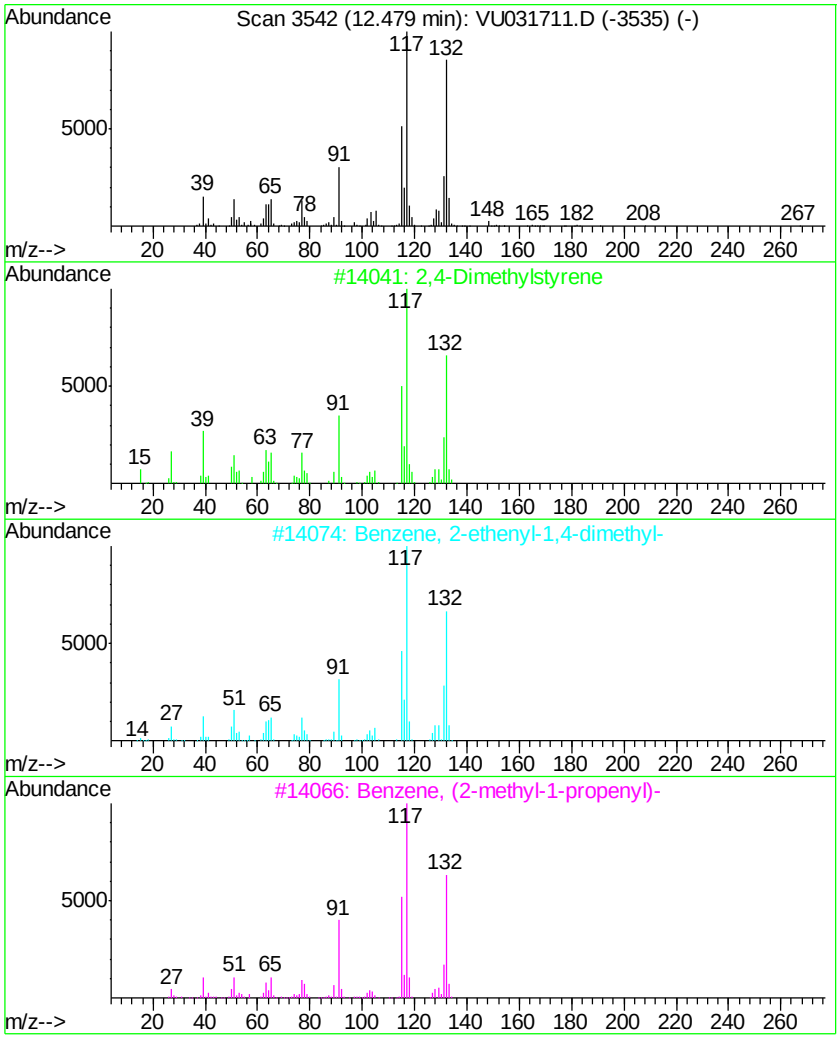
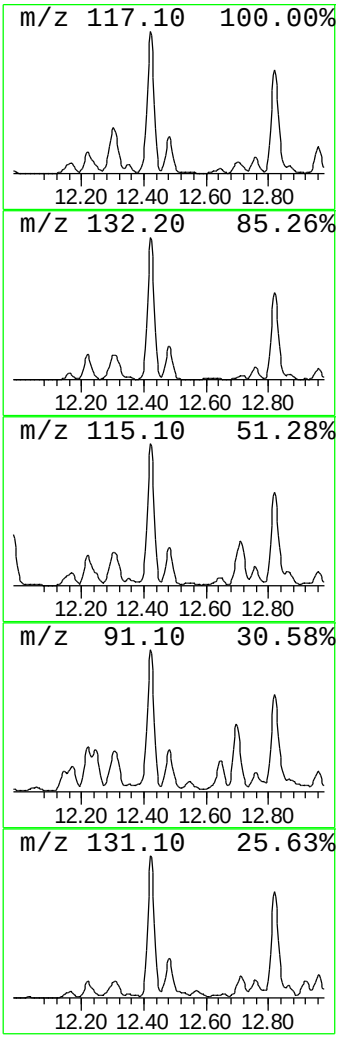
Peak Number 16 2,4-Dimethylstyrene Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	17.01 ug/L	974222	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethylstyrene	132	C10H12	002234-20-0	97
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	97
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	95
4	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	94
5	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	94





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Data File : VU031711.D
Acq On : 02 May 2019 14:45
Operator : JC/SP
Sample : K2604-21 10X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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

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

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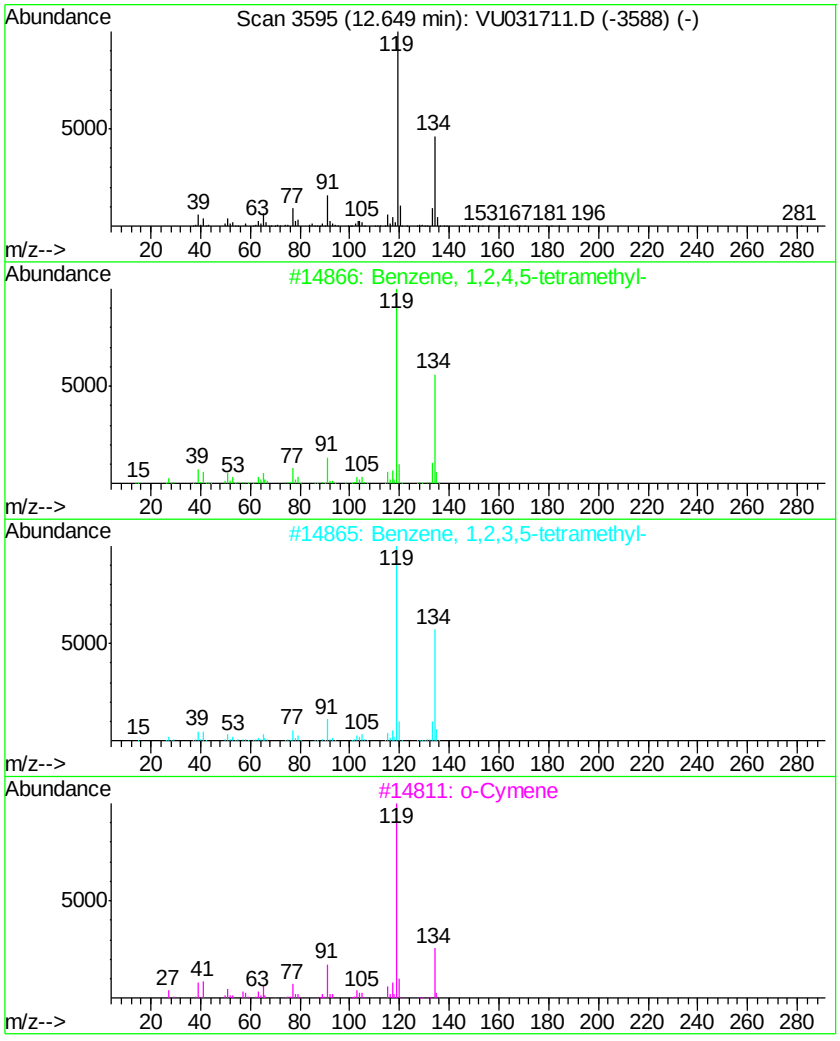
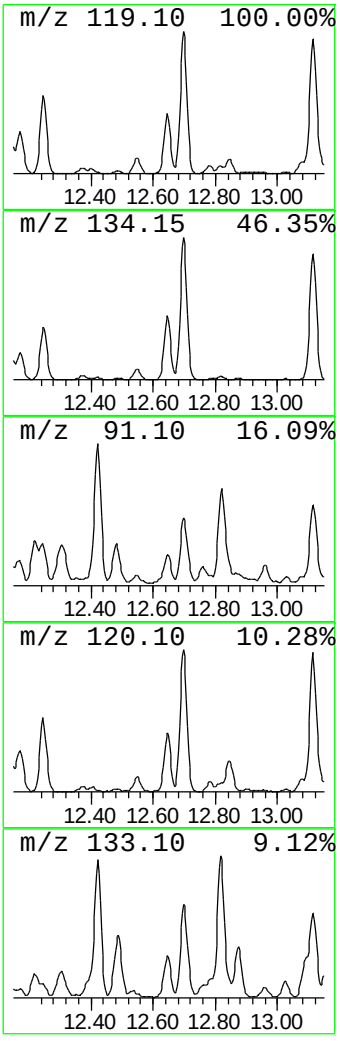
Peak Number 17 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	10.86 ug/L	622123	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	p-Cymene	134	C10H14	000099-87-6	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031711.D
Acq On : 02 May 2019 14:45
Operator : JC/SP
Sample : K2604-21 10X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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

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

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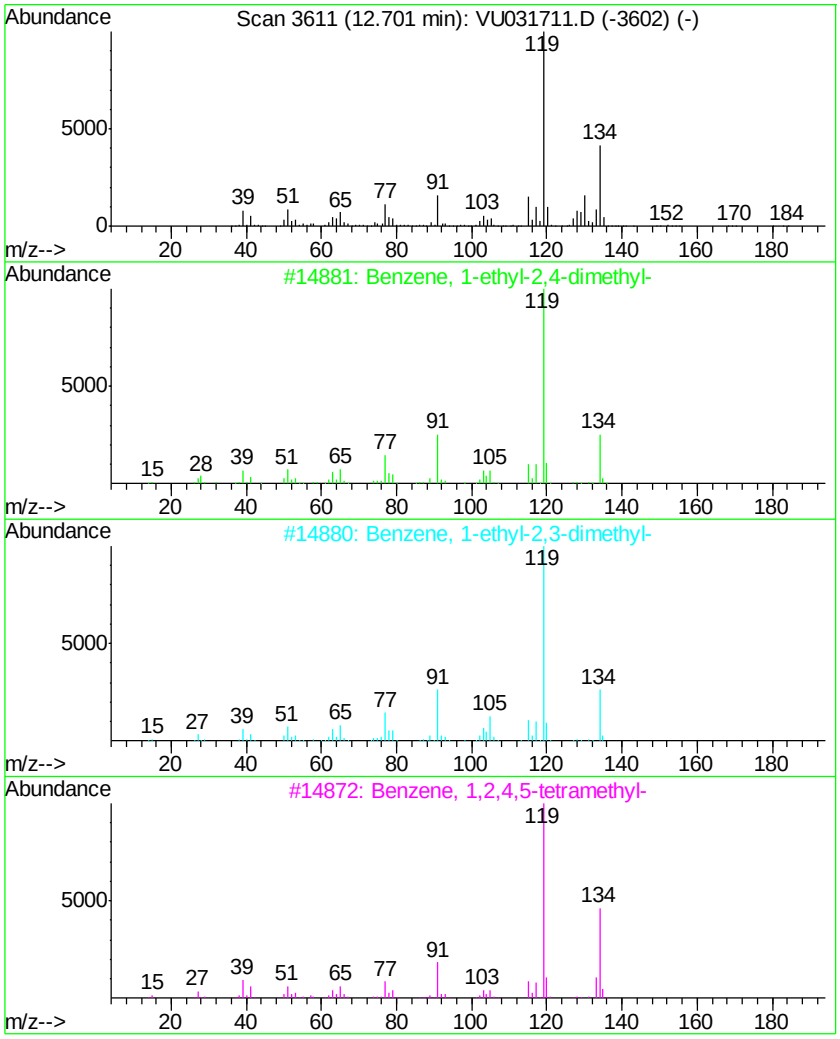
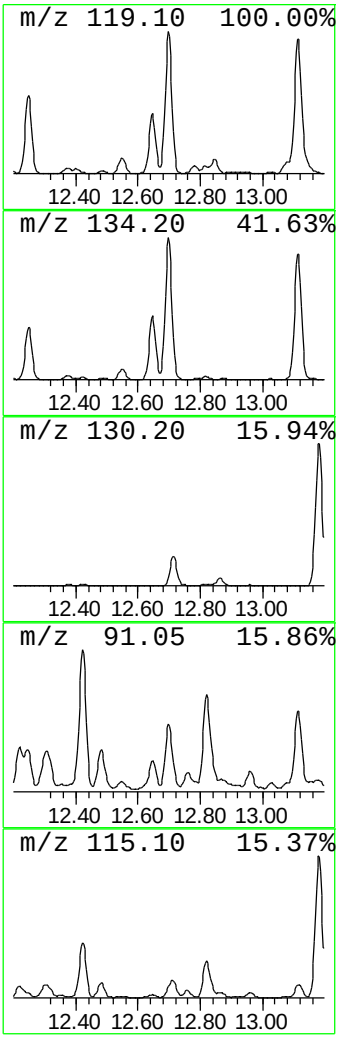
Peak Number 18 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	44.09 ug/L	2524920	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	90
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	87
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87





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Data File : VU031711.D
Acq On : 02 May 2019 14:45
Operator : JC/SP
Sample : K2604-21 10X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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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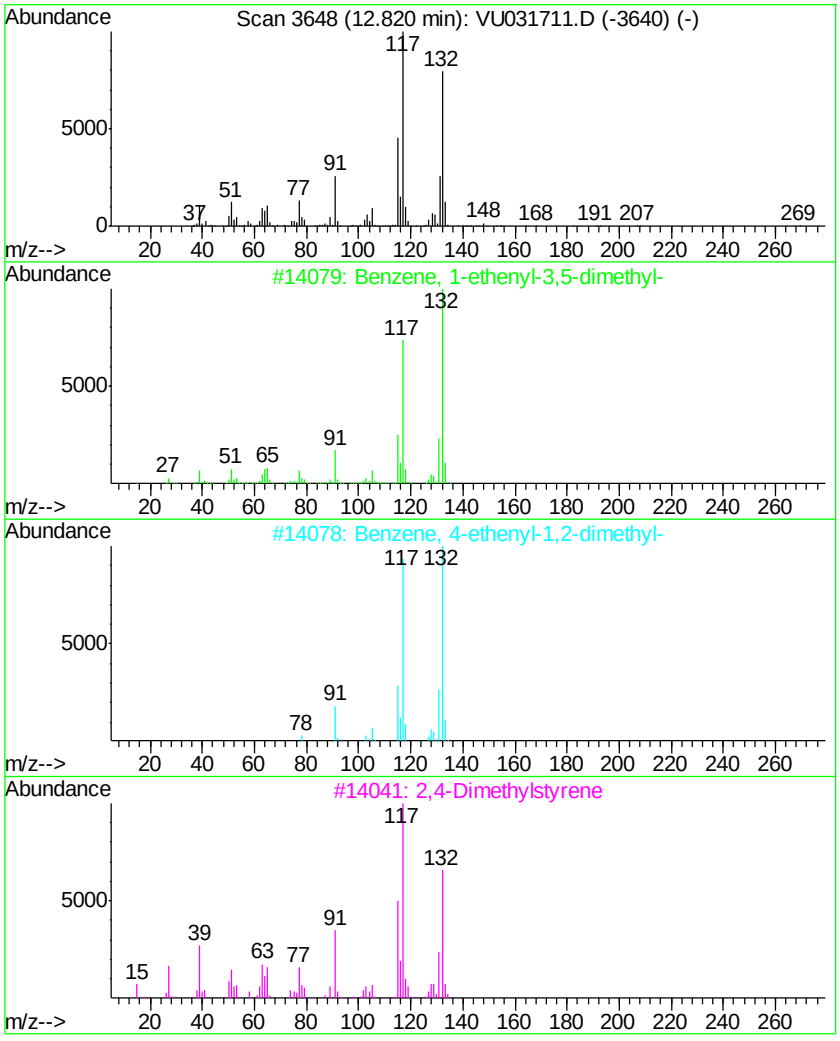
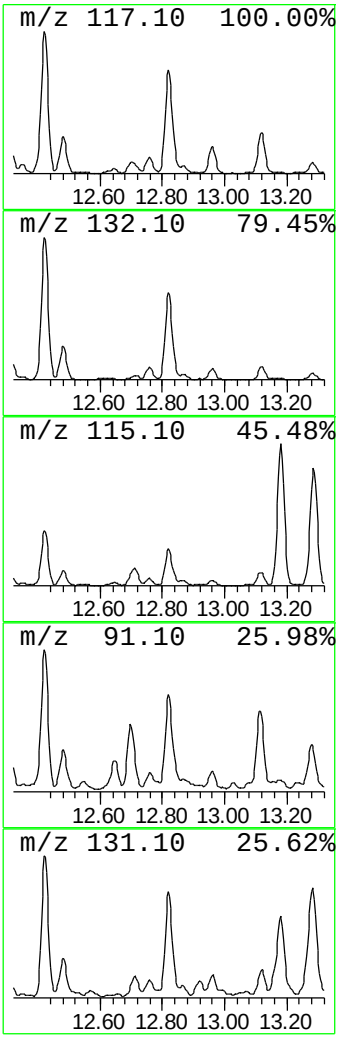
Peak Number 19 Benzene, 1-ethenyl-3,5-dime... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.82	44.22 ug/L	2532380	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	97
2	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	97
3	2,4-Dimethylstyrene	132	C10H12	002234-20-0	96
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	95
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	95





Library Search Compound Report

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Data File : VU031711.D
Acq On : 02 May 2019 14:45
Operator : JC/SP
Sample : K2604-21 10X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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

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

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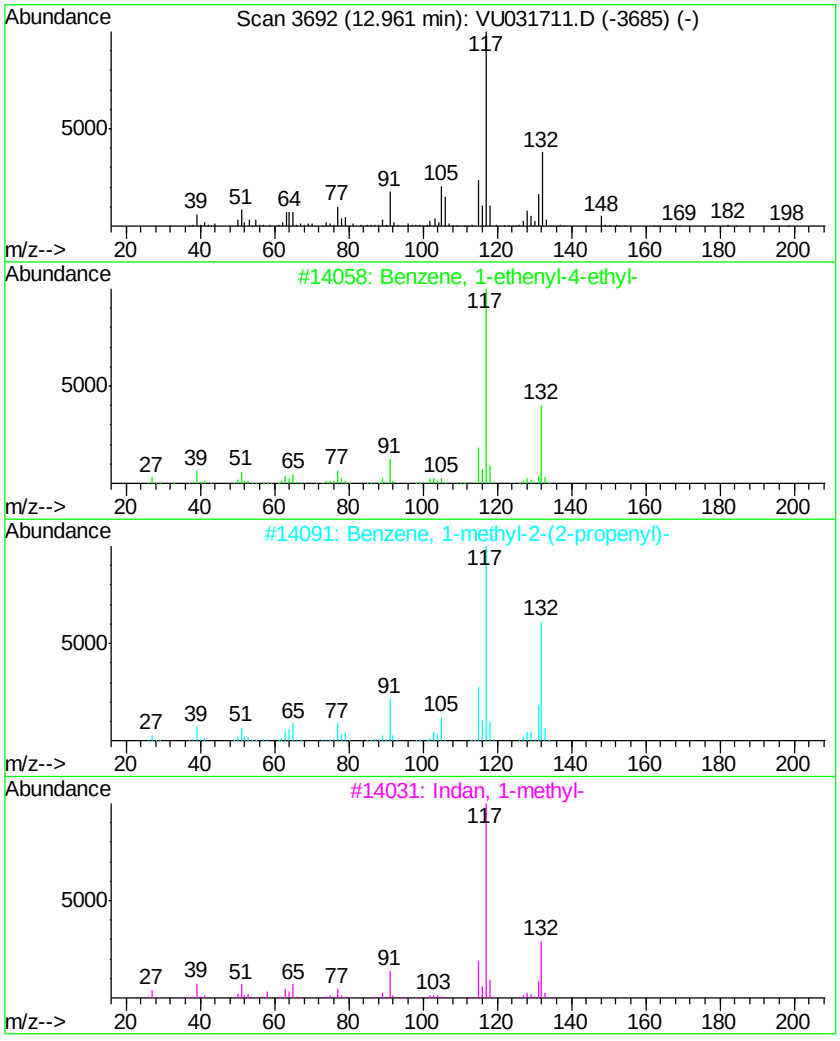
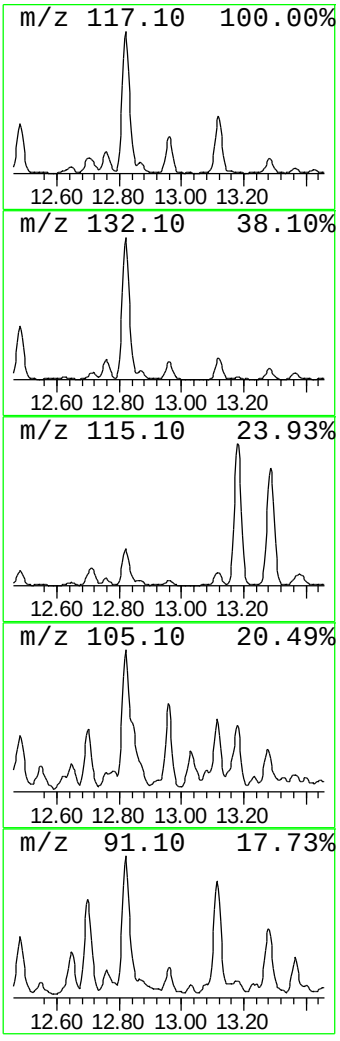
Peak Number 20 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	8.90 ug/L	509879	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	93
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87
3	Indan, 1-methyl-	132	C10H12	000767-58-8	81
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	81
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031711.D
Acq On : 02 May 2019 14:45
Operator : JC/SP
Sample : K2604-21 10X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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

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

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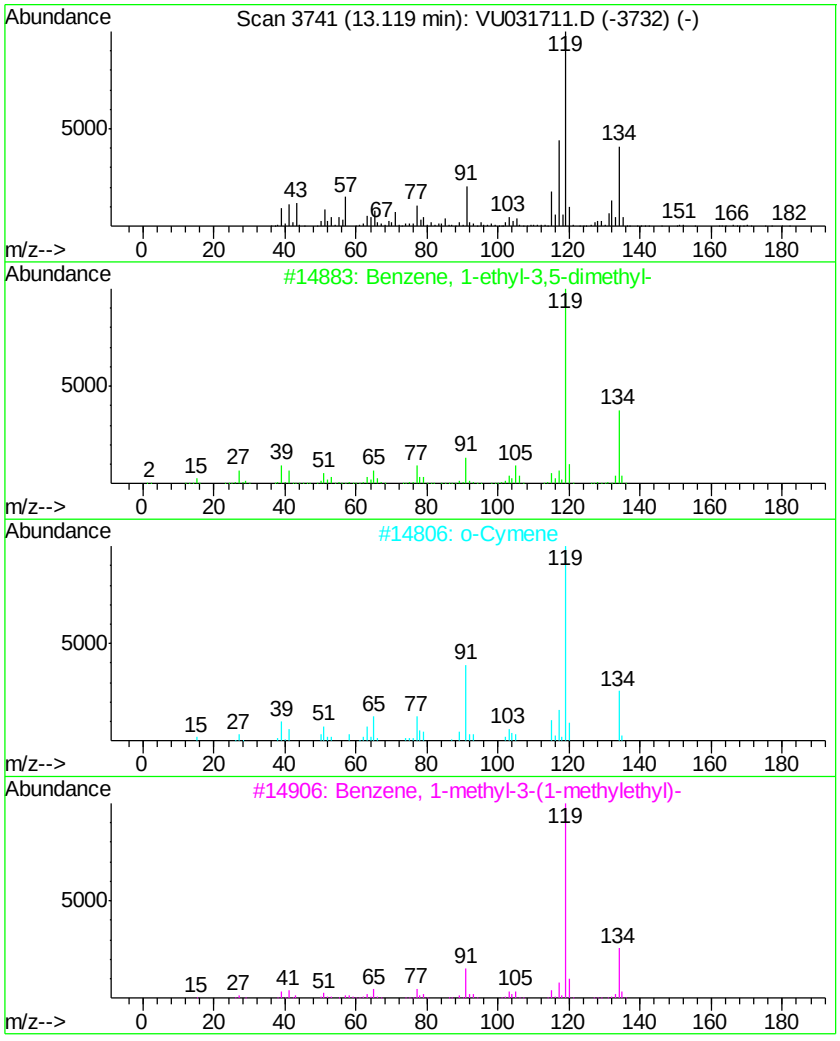
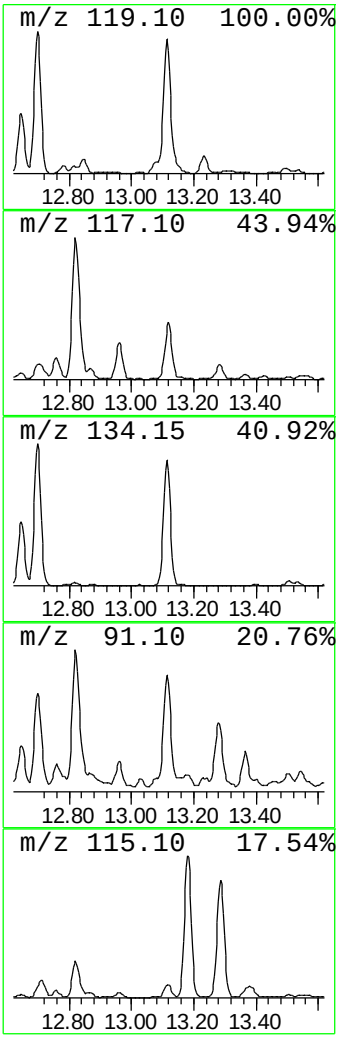
Peak Number 21 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	37.59 ug/L	2152620	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	81
2	o-Cymene	134	C10H14	000527-84-4	81
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	81
4	o-Cymene	134	C10H14	000527-84-4	81
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	76





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Data File : VU031711.D
Acq On : 02 May 2019 14:45
Operator : JC/SP
Sample : K2604-21 10X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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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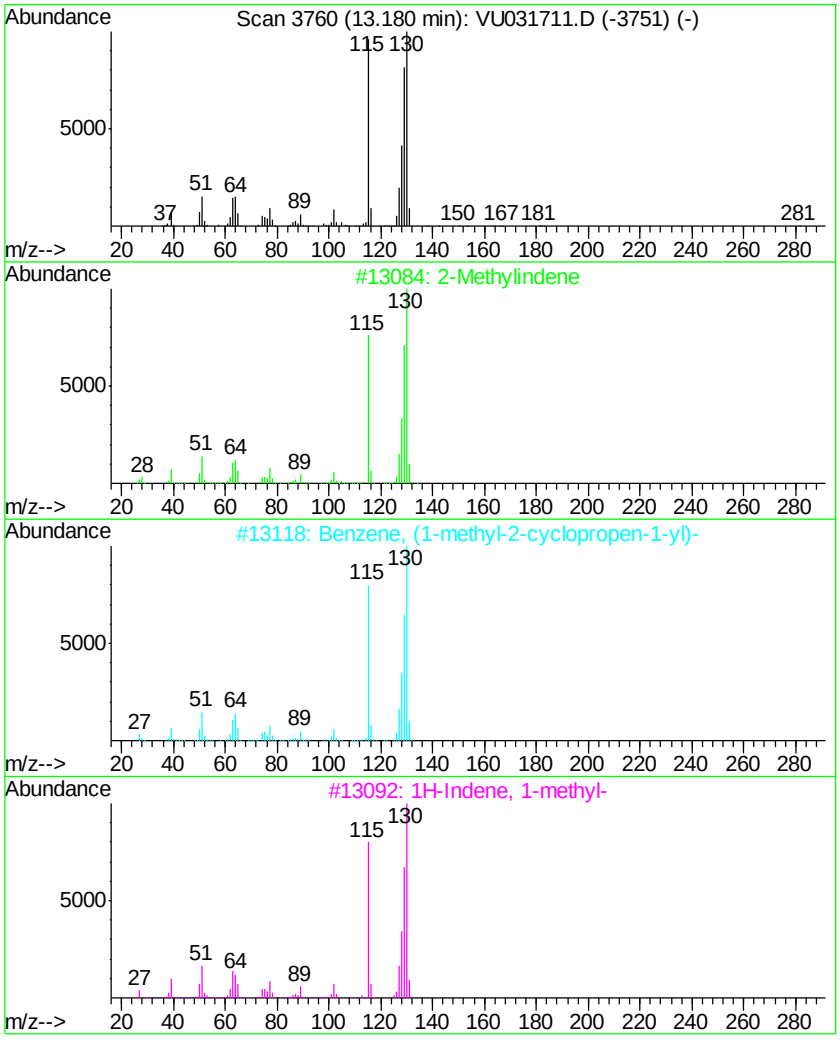
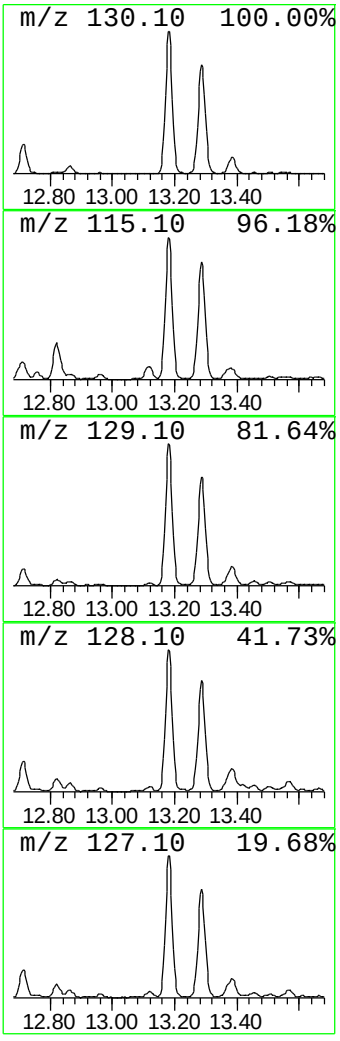
Peak Number 22 2-Methylindene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	82.86 ug/L	4745220	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	97
2	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	97
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
4	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	95
5	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031711.D
Acq On : 02 May 2019 14:45
Operator : JC/SP
Sample : K2604-21 10X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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

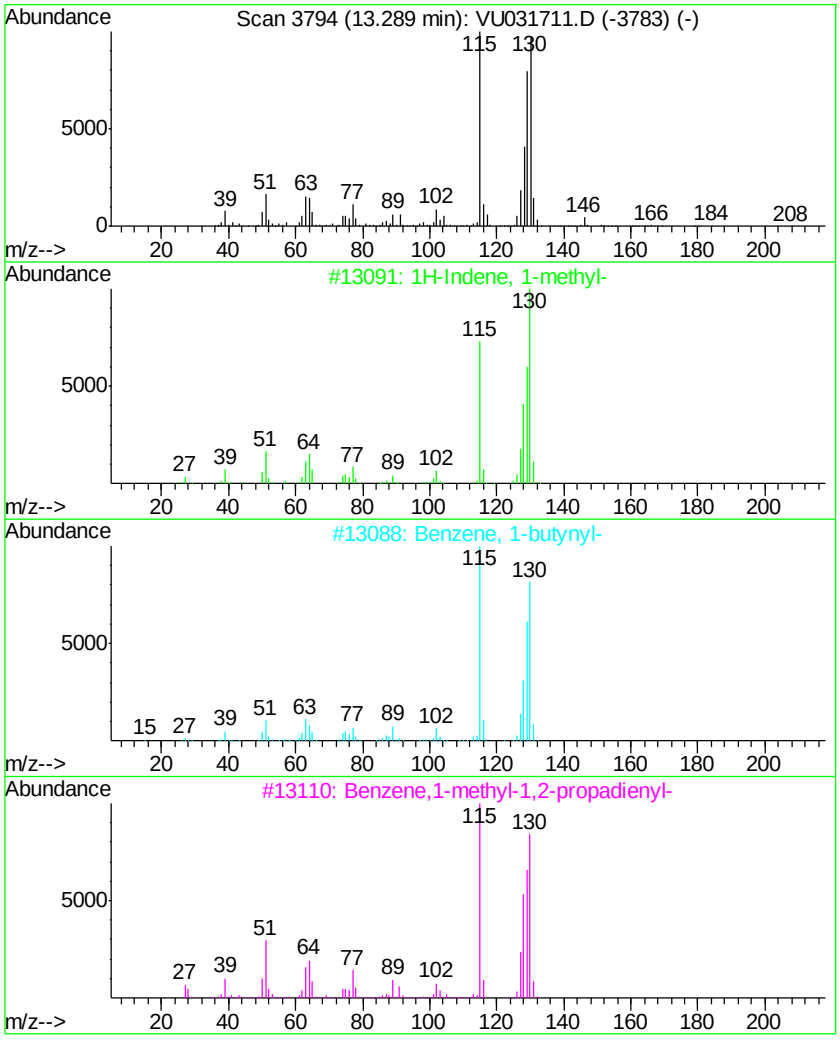
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

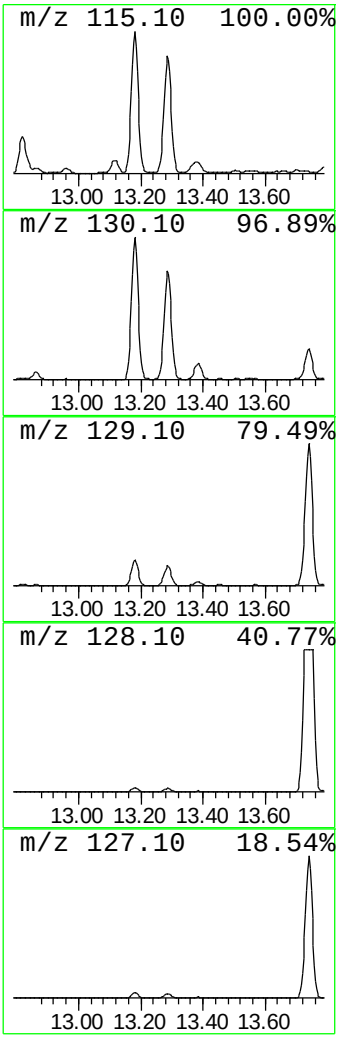
****

Peak Number 23 1H-Indene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	83.98 ug/L	4809490	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
2	Benzene, 1-butynyl-	130	C10H10	000622-76-4	96
3	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	96
4	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
5	2-Methylindene	130	C10H10	002177-47-1	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031711.D
Acq On : 02 May 2019 14:45
Operator : JC/SP
Sample : K2604-21 10X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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

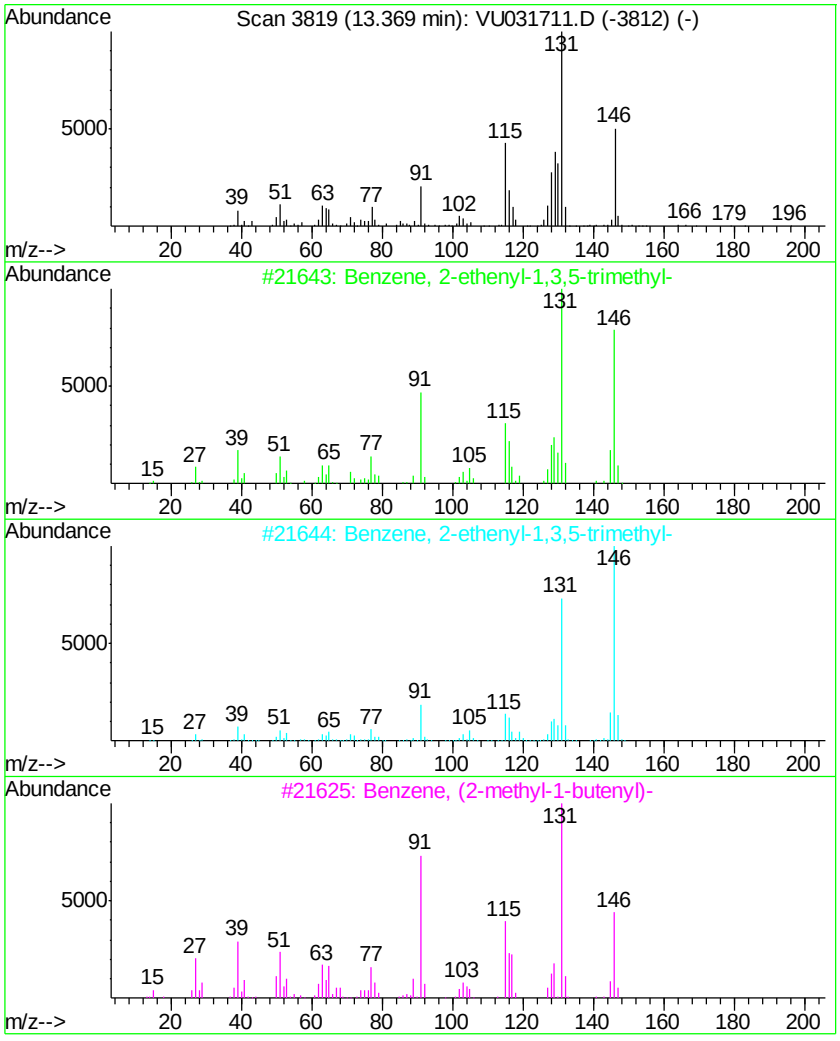
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

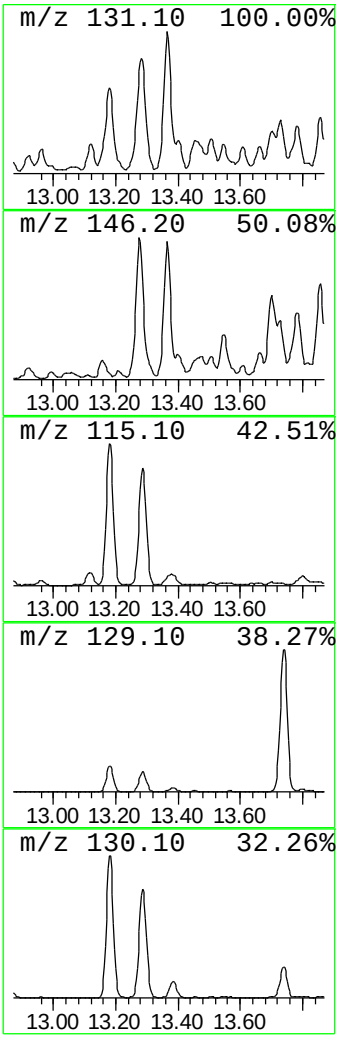
****

Peak Number 24 Benzene, 2-ethenyl-1,3,5-tr... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	20.49 ug/L	1173720	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	83
2	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	58
3	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	53
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	52
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031711.D
Acq On : 02 May 2019 14:45
Operator : JC/SP
Sample : K2604-21 10X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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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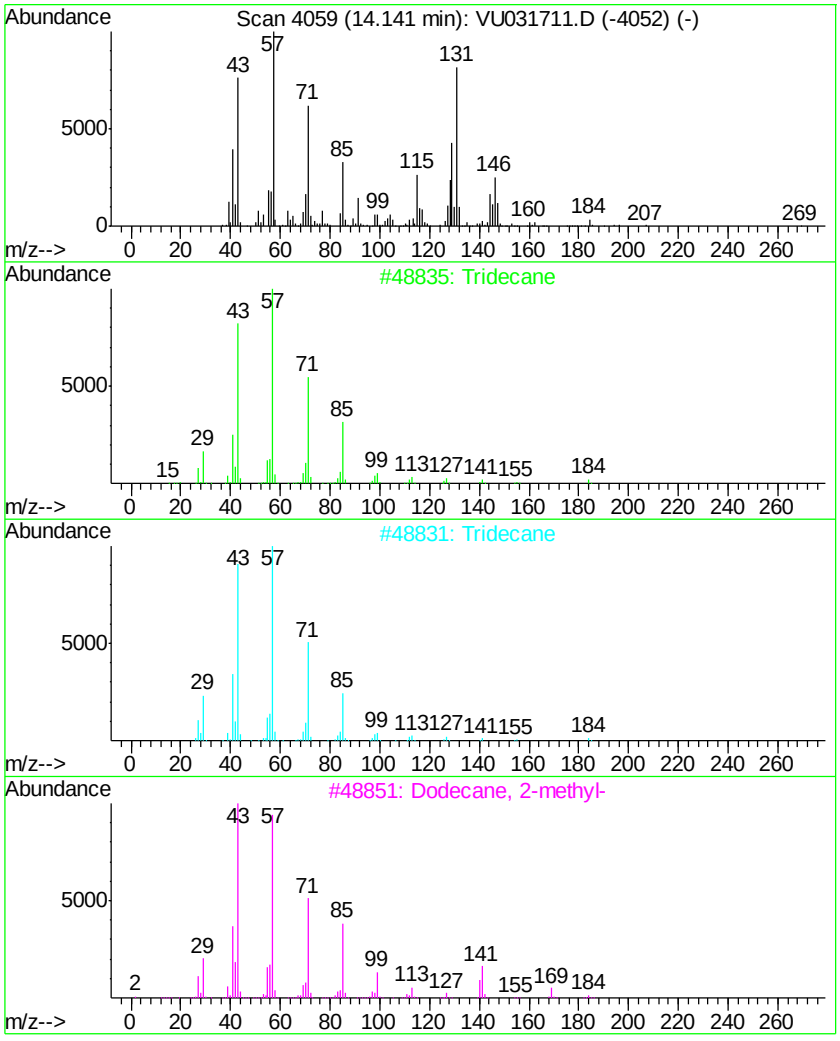
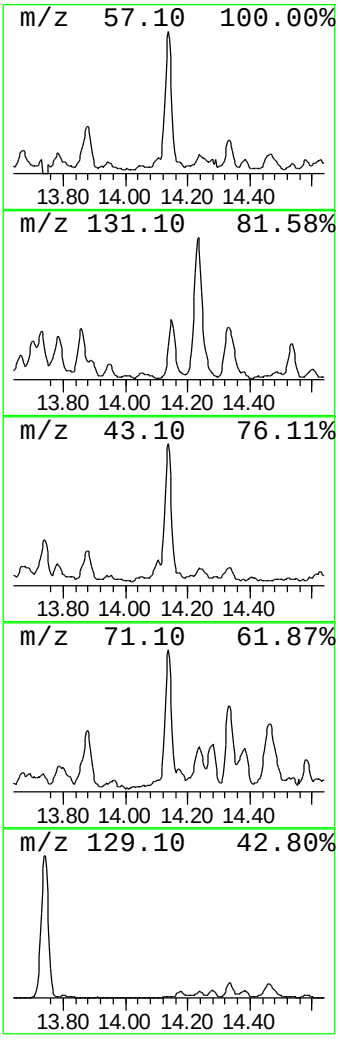
Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	10.45 ug/L	598221	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	70
2	Tridecane	184	C13H28	000629-50-5	38
3	Dodecane, 2-methyl-	184	C13H28	001560-97-0	25
4	Tetradecane	198	C14H30	000629-59-4	25
5	Tridecane	184	C13H28	000629-50-5	25





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Data File : VU031711.D
Acq On : 02 May 2019 14:45
Operator : JC/SP
Sample : K2604-21 10X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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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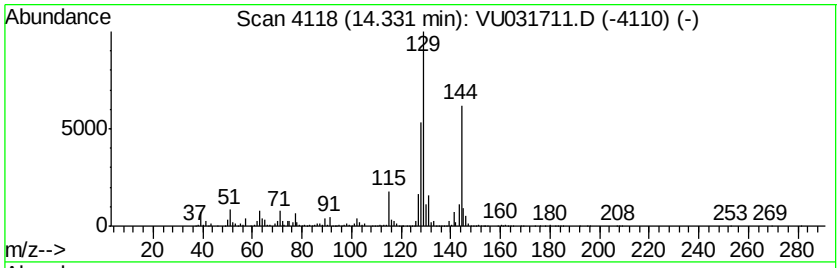
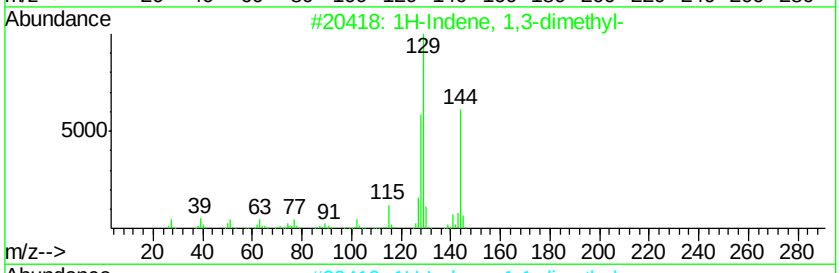
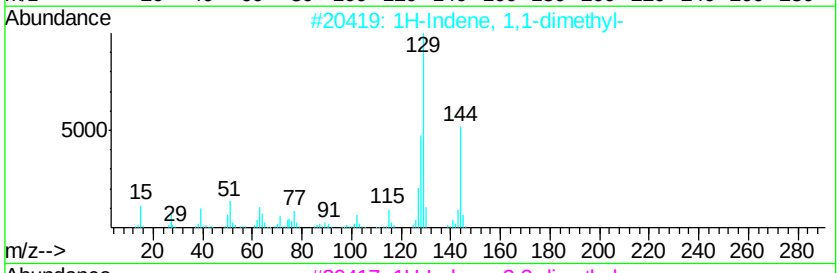
Peak Number 27 1H-Indene, 1,3-dimethyl- Concentration Rank 23

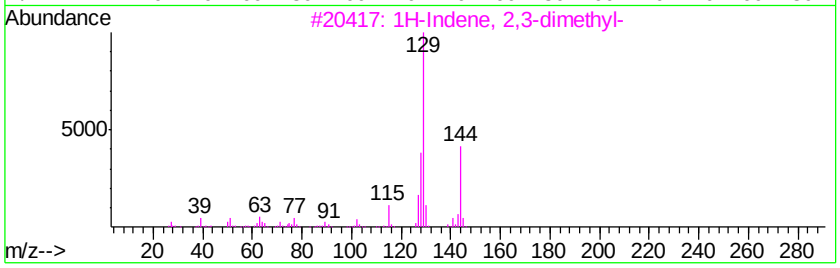
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	37.46 ug/L	2145490	1,4-Dichlorobenzene-d4	11.48

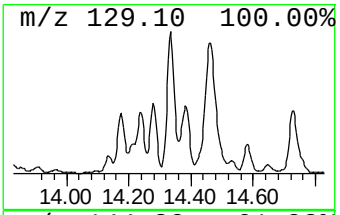
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	94
2	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	93
3	1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	91
4	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	87
5	1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	87

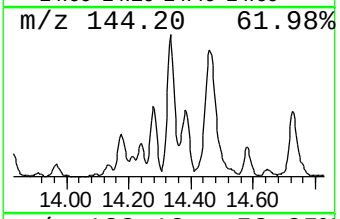


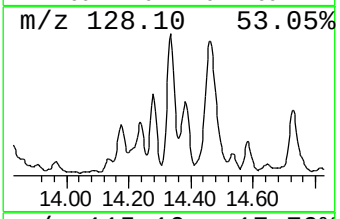


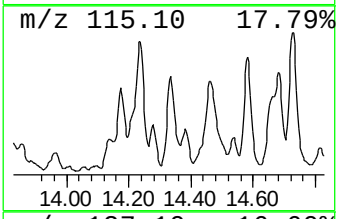


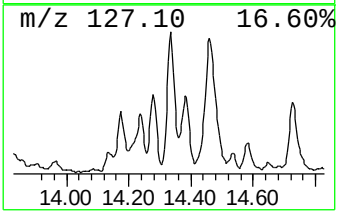












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031711.D
Acq On : 02 May 2019 14:45
Operator : JC/SP
Sample : K2604-21 10X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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

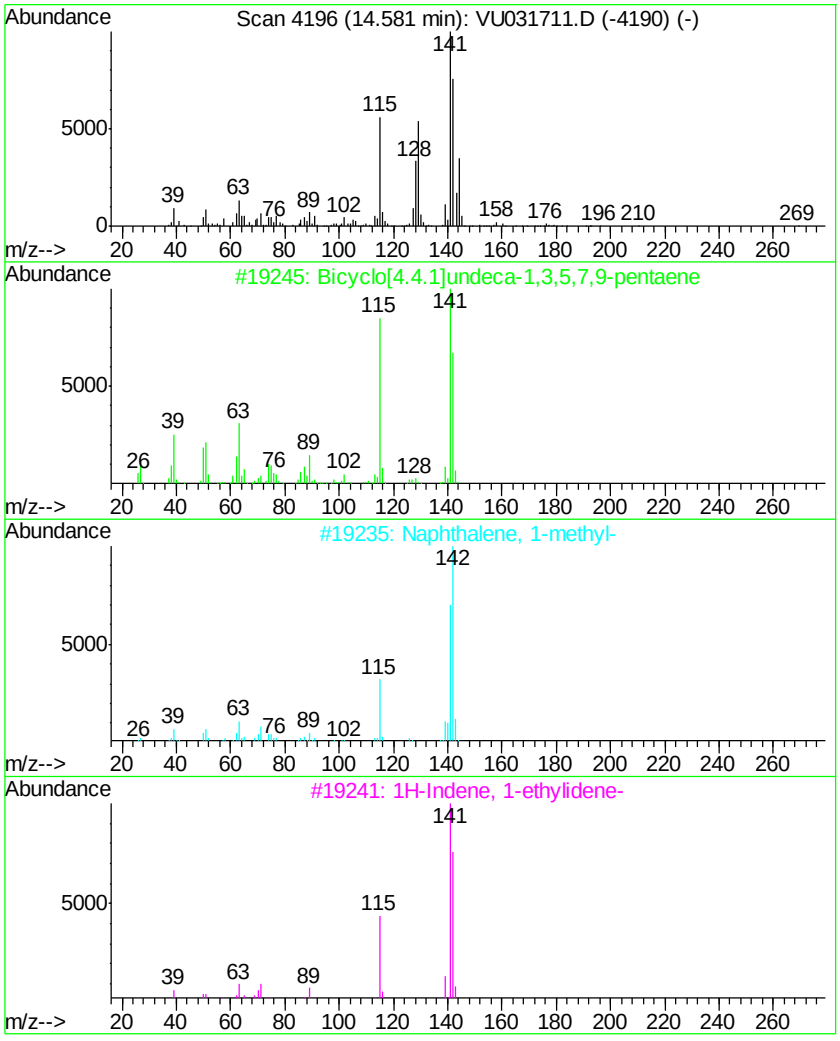
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

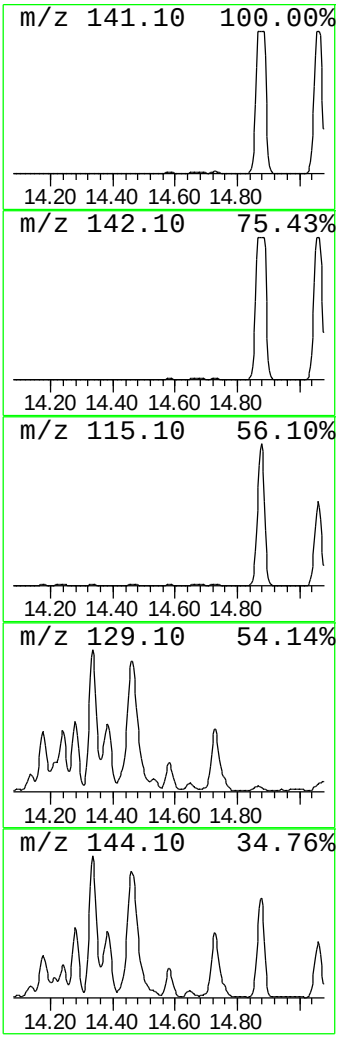
****

Peak Number 29 Bicyclo[4.4.1]undeca-1,3,5,... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.58	14.31 ug/L	819587	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	93
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	87
3	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	83
4	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	70
5	Benzocycloheptatriene	142	C11H10	000264-09-5	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031711.D
Acq On : 02 May 2019 14:45
Operator : JC/SP
Sample : K2604-21 10X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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

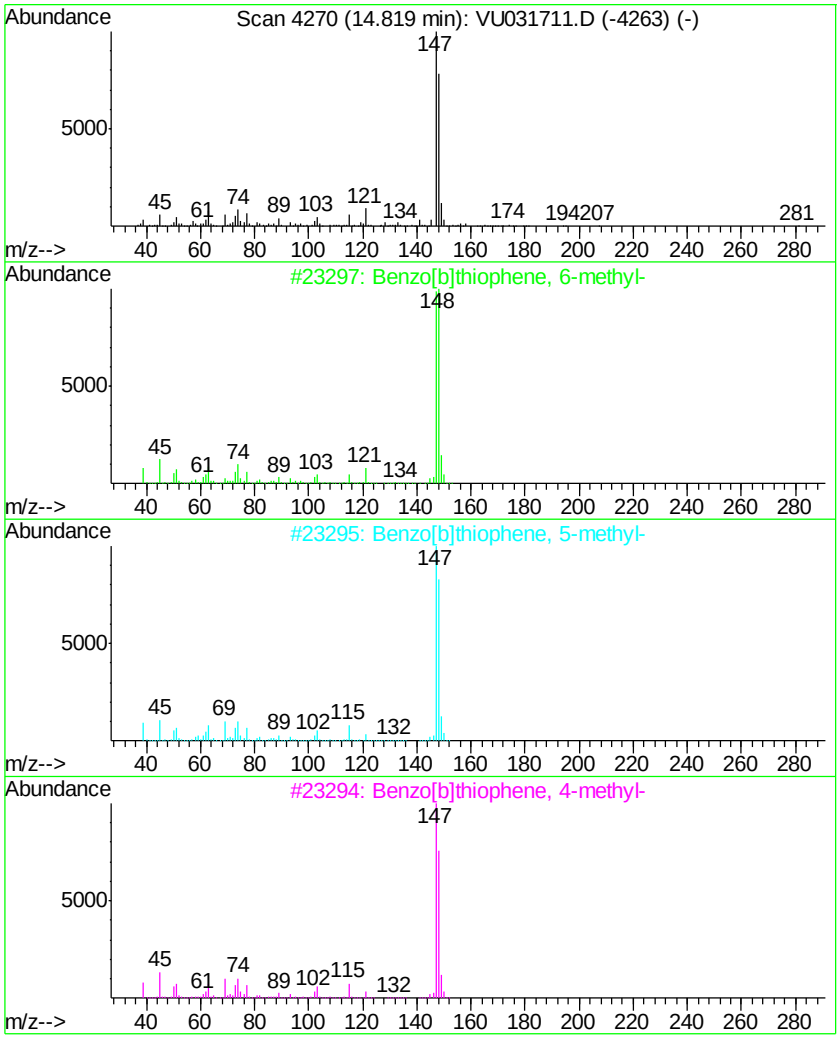
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

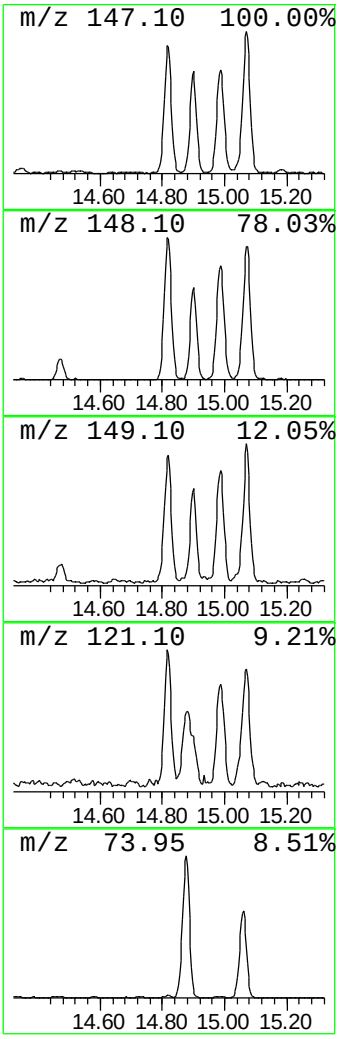
****

Peak Number 31 Benzo[b]thiophene, 6-methyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	11.25 ug/L	644491	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 6-methyl-	148	C9H8S	016587-47-6	94
2	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	90
3	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	90
4	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	90
5	3-Methylbenzothiophene	148	C9H8S	001455-18-1	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031711.D
Acq On : 02 May 2019 14:45
Operator : JC/SP
Sample : K2604-21 10X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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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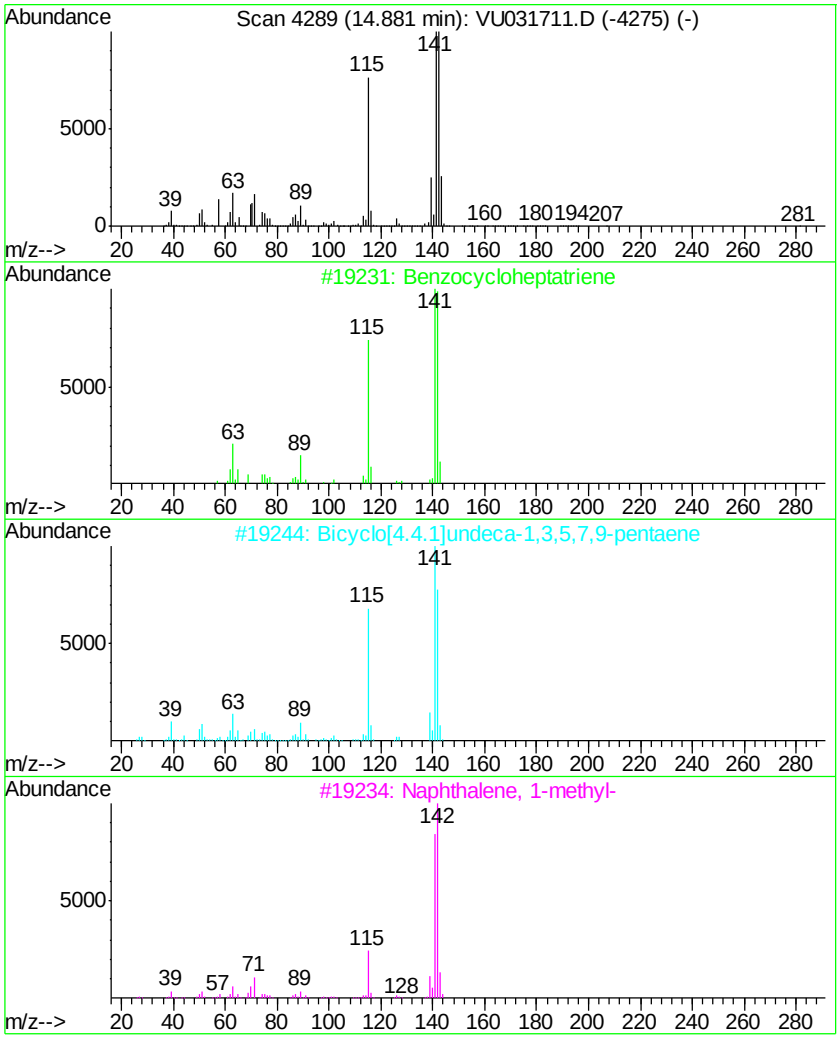
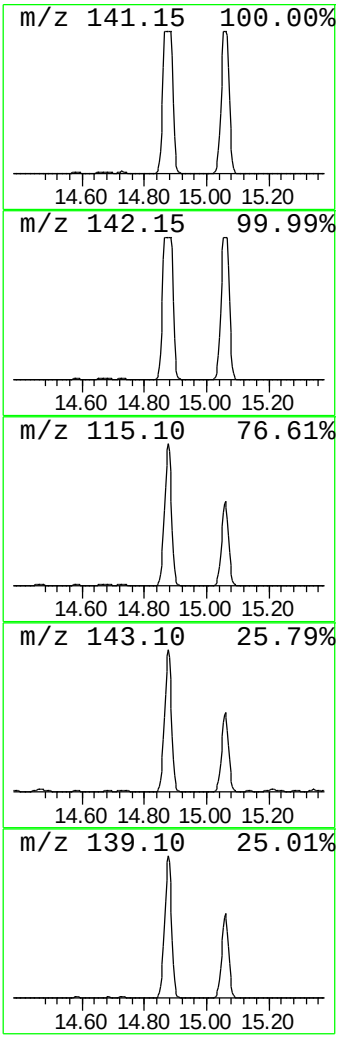
Peak Number 32 Benzocycloheptatriene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	1785.04 ug/L	102227000	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzocycloheptatriene	142	C11H10	000264-09-5	95
2	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	94
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
4	Benzocycloheptatriene	142	C11H10	000264-09-5	87
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031711.D
Acq On : 02 May 2019 14:45
Operator : JC/SP
Sample : K2604-21 10X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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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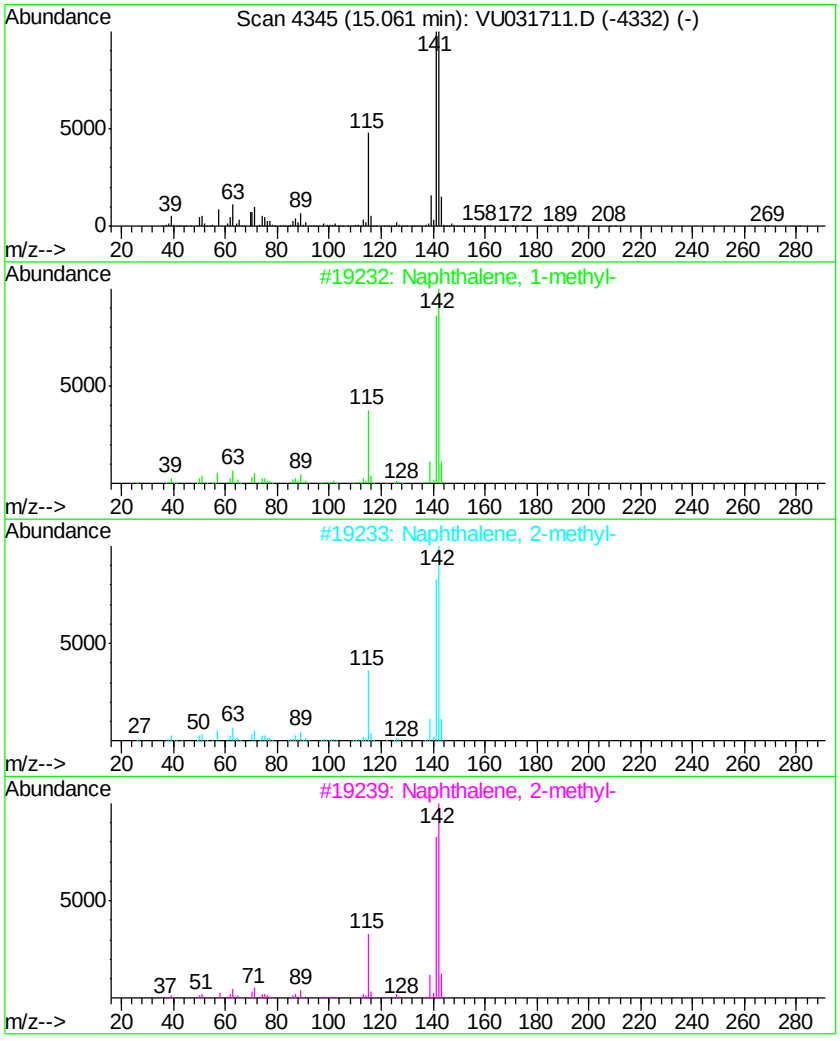
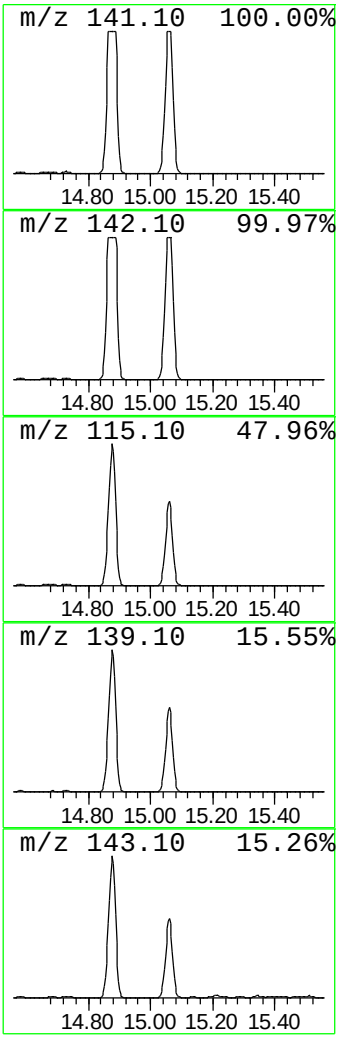
Peak Number 33 Naphthalene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	1089.16 ug/L	62375200	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	95
5	Benzocycloheptatriene	142	C11H10	000264-09-5	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031711.D
Acq On : 02 May 2019 14:45
Operator : JC/SP
Sample : K2604-21 10X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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

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

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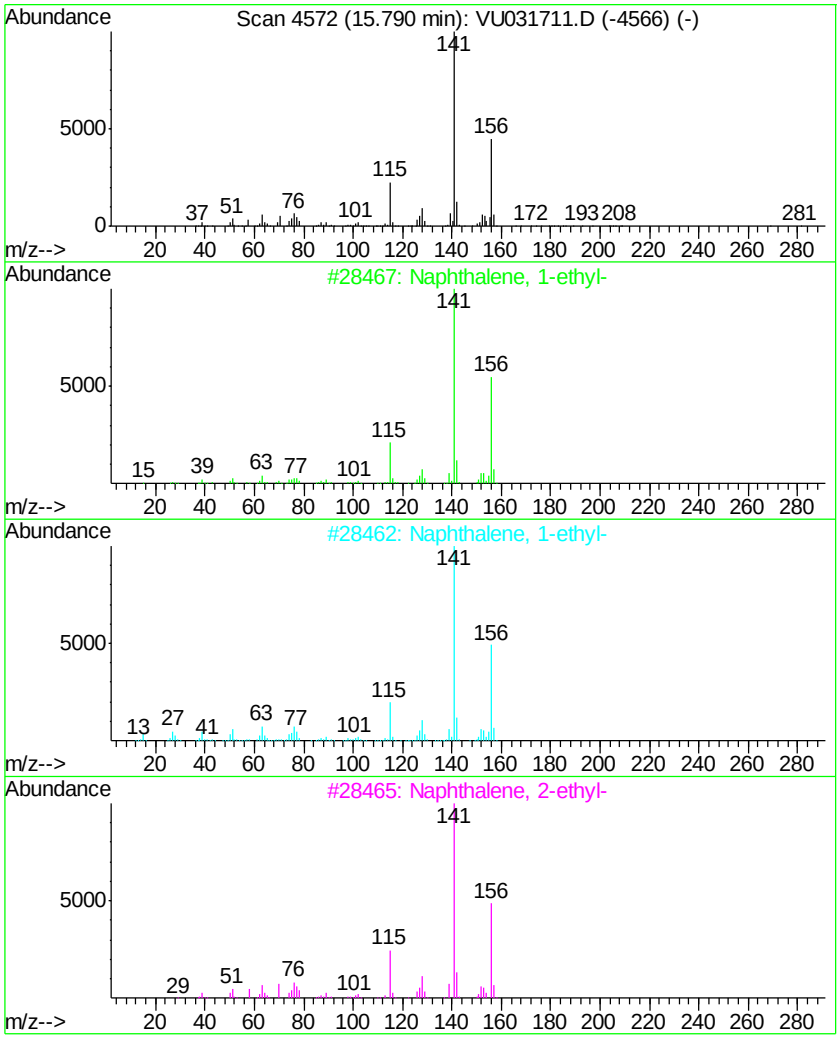
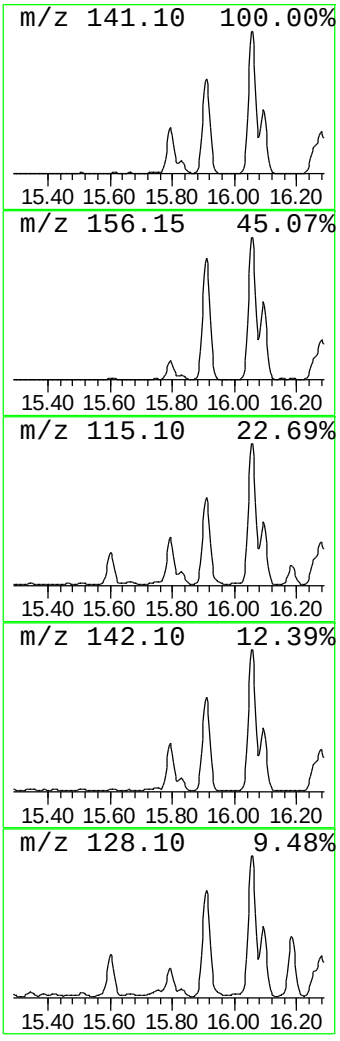
Peak Number 35 Naphthalene, 1-ethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	58.85 ug/L	3370240	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
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031711.D
Acq On : 02 May 2019 14:45
Operator : JC/SP
Sample : K2604-21 10X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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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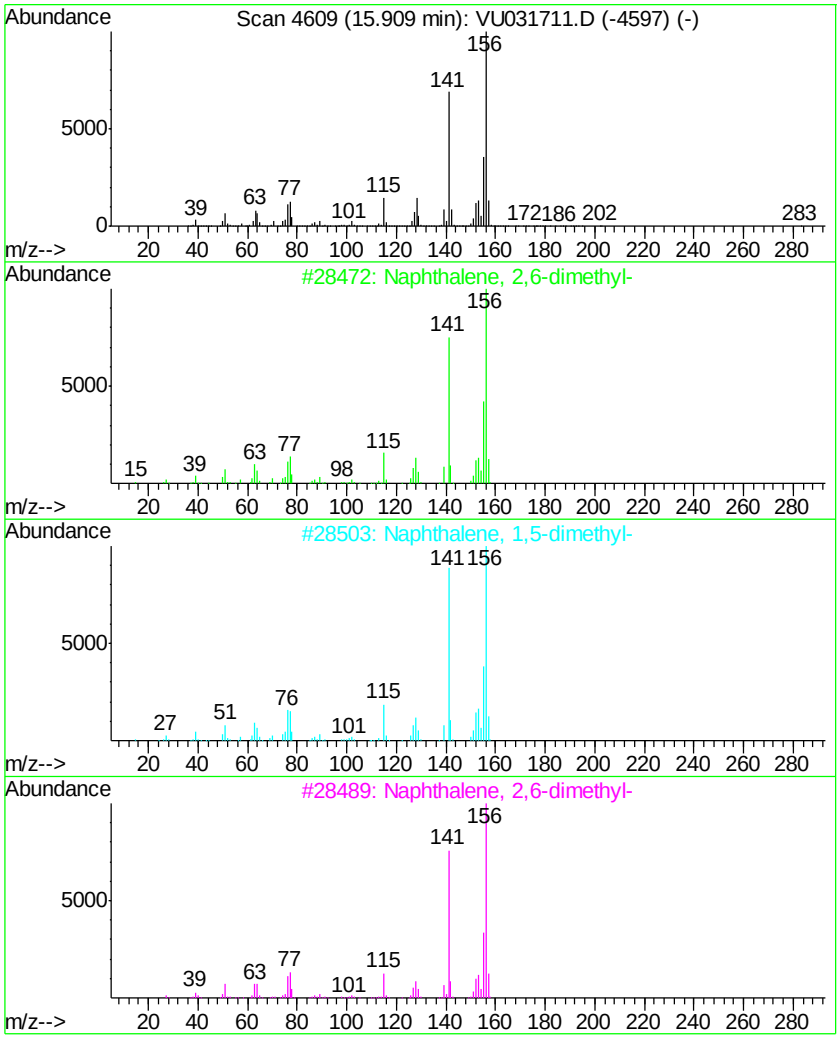
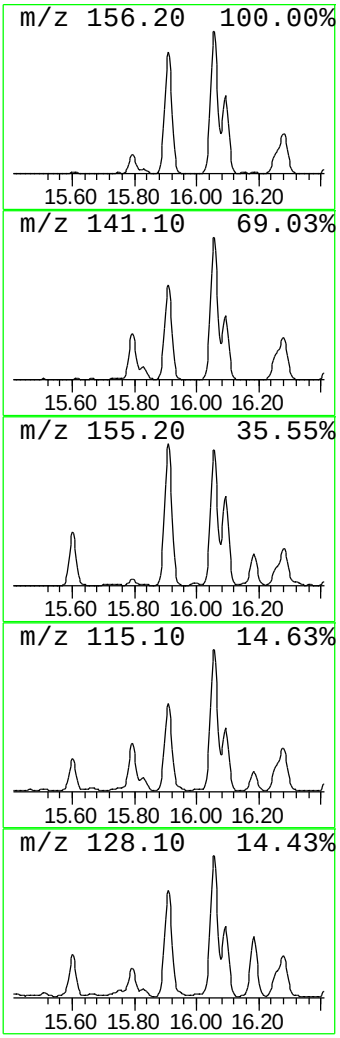
Peak Number 36 Naphthalene, 2,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	359.45 ug/L	20585000	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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031711.D
Acq On : 02 May 2019 14:45
Operator : JC/SP
Sample : K2604-21 10X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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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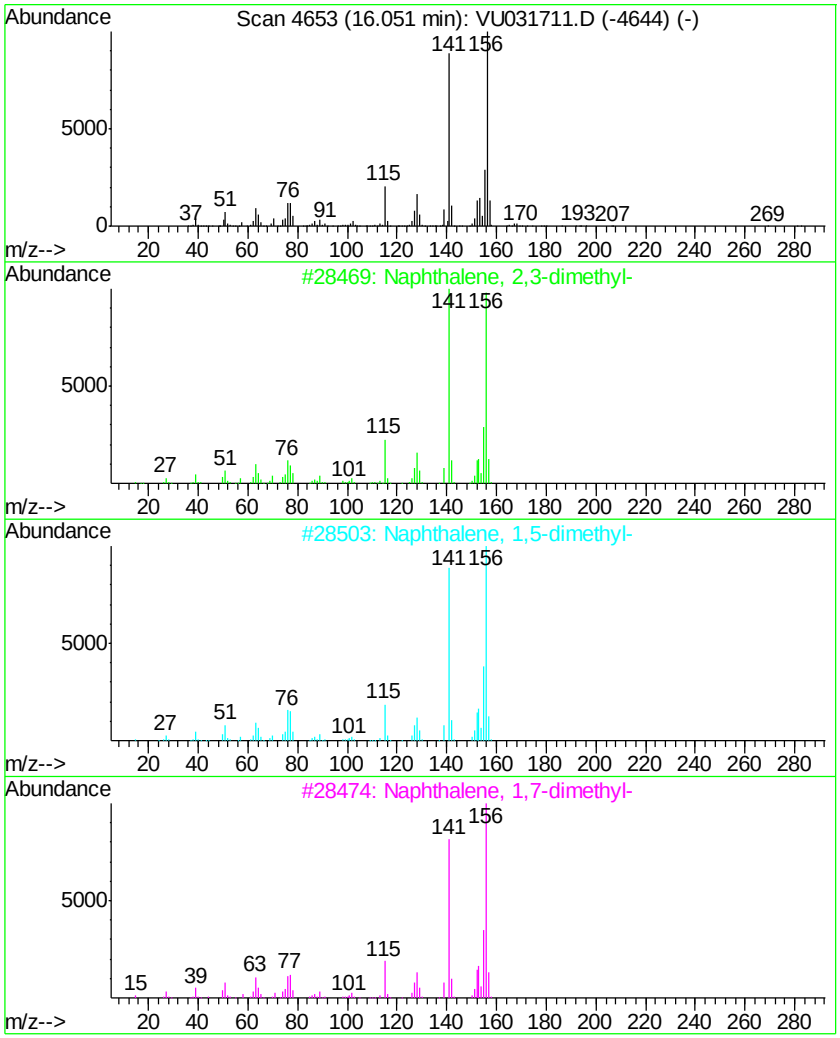
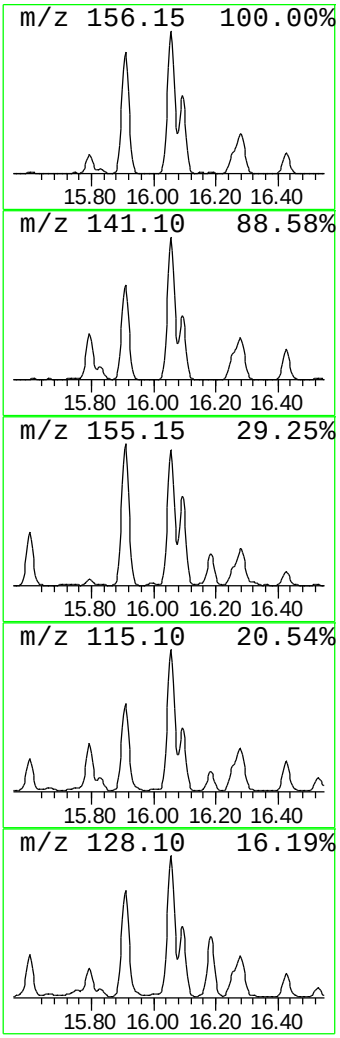
Peak Number 37 Naphthalene, 2,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	422.23 ug/L	24180700	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, 1,5-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, 1,7-dimethyl-	156	C12H12	000575-37-1	97





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031711.D
Acq On : 02 May 2019 14:45
Operator : JC/SP
Sample : K2604-21 10X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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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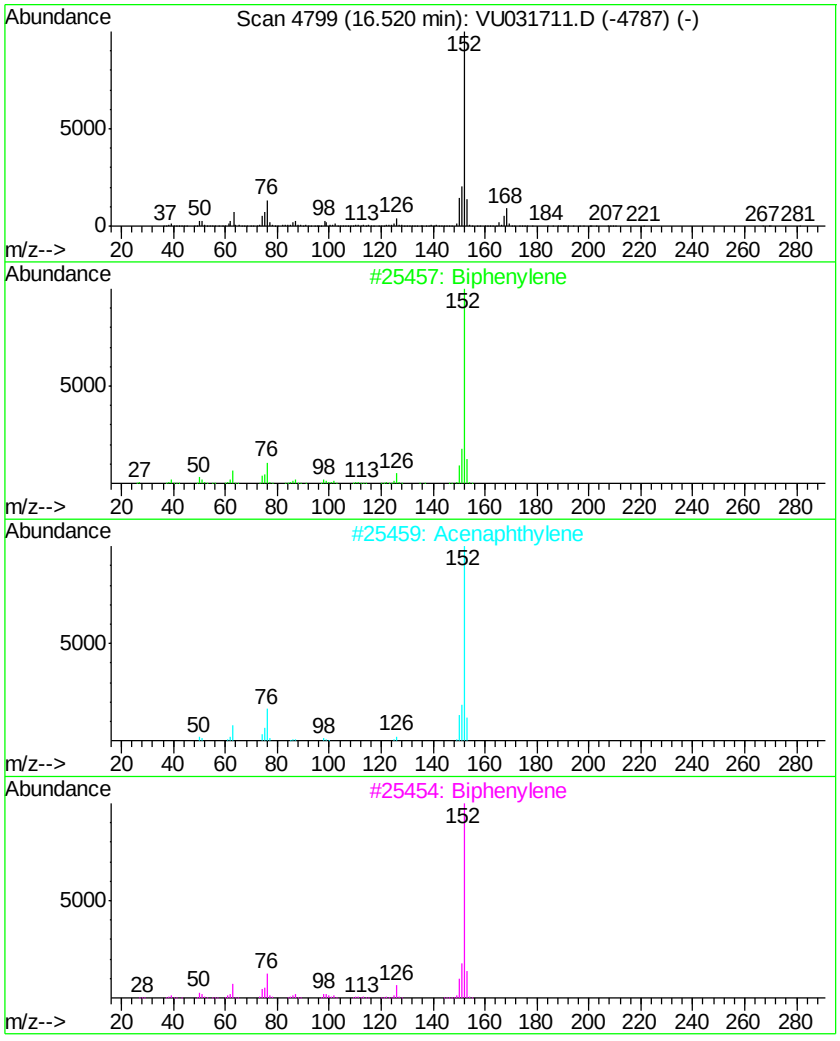
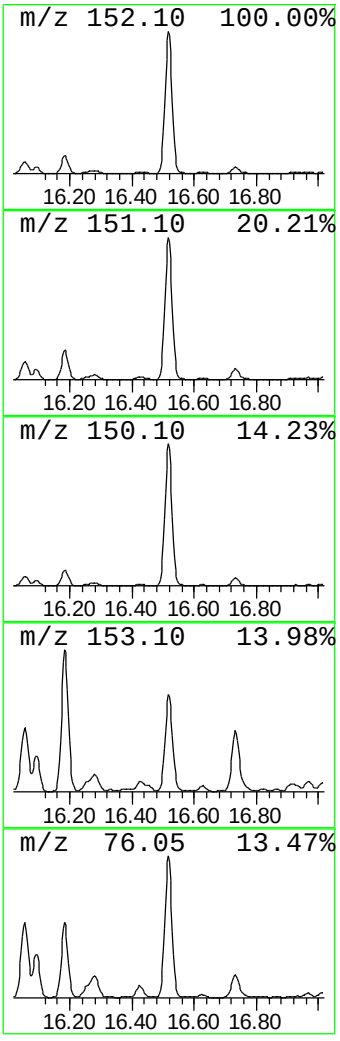
Peak Number 42 Biphenylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.52	387.46 ug/L	22189200	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenylene	152	C12H8	000259-79-0	95
2	Acenaphthylene	152	C12H8	000208-96-8	93
3	Biphenylene	152	C12H8	000259-79-0	81
4	Acenaphthylene	152	C12H8	000208-96-8	81
5	Acenaphthylene	152	C12H8	000208-96-8	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031711.D
Acq On : 02 May 2019 14:45
Operator : JC/SP
Sample : K2604-21 10X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ92

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	25.1	ug/L	1436660	3	11.48	2863450	50.0
Benzene, 1,2,3-tr...	10.77	20.1	ug/L	1150280	3	11.48	2863450	50.0
Benzene, 1-etheny...	11.21	25.8	ug/L	1476600	3	11.48	2863450	50.0
Benzene, cyclopro...	11.62	3.9	ug/L	221229	3	11.48	2863450	50.0
Benzene, 1,2-diet...	11.78	9.5	ug/L	546494	3	11.48	2863450	50.0
Indene	11.98	6.0	ug/L	346463	3	11.48	2863450	50.0
Benzene, 4-ethyl-...	12.14	7.2	ug/L	412349	3	11.48	2863450	50.0
Benzene, 1-methyl...	12.22	10.5	ug/L	602333	3	11.48	2863450	50.0
Benzene, 1-etheny...	12.30	15.6	ug/L	890647	3	11.48	2863450	50.0
Benzene, (2-methy...	12.42	60.2	ug/L	3446290	3	11.48	2863450	50.0
2,4-Dimethylstyrene	12.48	17.0	ug/L	974222	3	11.48	2863450	50.0
Benzene, 1,2,4,5-...	12.65	10.9	ug/L	622123	3	11.48	2863450	50.0
Benzene, 1-ethyl-...	12.70	44.1	ug/L	2524920	3	11.48	2863450	50.0
Benzene, 1-etheny...	12.82	44.2	ug/L	2532380	3	11.48	2863450	50.0
Benzene, 1-etheny...	12.96	8.9	ug/L	509879	3	11.48	2863450	50.0
Benzene, 1-ethyl-...	13.12	37.6	ug/L	2152620	3	11.48	2863450	50.0
2-Methylindene	13.18	82.9	ug/L	4745220	3	11.48	2863450	50.0
1H-Indene, 1-methyl-	13.29	84.0	ug/L	4809490	3	11.48	2863450	50.0
Benzene, 2-etheny...	13.37	20.5	ug/L	1173720	3	11.48	2863450	50.0
(DEL) Alkane: Str...	14.14	10.4	ug/L	598221	3	11.48	2863450	50.0
1H-Indene, 1,3-di...	14.33	37.5	ug/L	2145490	3	11.48	2863450	50.0
Bicyclo[4.4.1]und...	14.58	14.3	ug/L	819587	3	11.48	2863450	50.0
Benzo[b]thiophene...	14.82	11.3	ug/L	644491	3	11.48	2863450	50.0
Benzocycloheptatr...	14.88	1785.0	ug/L	102227000	3	11.48	2863450	50.0
Naphthalene, 1-me...	15.06	1089.2	ug/L	62375200	3	11.48	2863450	50.0
Naphthalene, 1-et...	15.79	58.9	ug/L	3370240	3	11.48	2863450	50.0
Naphthalene, 2,6-...	15.91	359.4	ug/L	20585000	3	11.48	2863450	50.0
Naphthalene, 2,3-...	16.05	422.2	ug/L	24180700	3	11.48	2863450	50.0
Biphenylene	16.52	387.5	ug/L	22189200	3	11.48	2863450	50.0