LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU043019\
Data File : VU031663.D
Acq On : 01 May 2019 03:21
Operator : JC/SP
Sample : K2604-06 5X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ80

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	15145	13072	0.01%	0.002%
2	1.395	88	95	108	rBV	436021	494253	0.26%	0.086%
3	1.678	176	183	195	rBV	321331	432418	0.23%	0.075%
4	2.260	354	364	378	rVB	769557	1178284	0.62%	0.205%
5	2.460	423	426	430	rBV4	1709	1728	0.00%	0.000%
6	2.537	448	450	454	rVB5	2749	1833	0.00%	0.000%
7	2.688	490	497	499	rBV5	4652	5202	0.00%	0.001%
8	2.817	533	537	540	rBV4	1384	1477	0.00%	0.000%
9	2.836	540	543	551	rVV8	2218	3111	0.00%	0.001%
10	2.981	583	588	591	rBV6	1385	1335	0.00%	0.000%
11	3.309	688	690	698	rVB4	1325	1444	0.00%	0.000%
12	3.479	739	743	749	rVB6	1547	1608	0.00%	0.000%
13	3.804	840	844	851	rVV	2539	2774	0.00%	0.000%
14	3.842	851	856	860	rVV4	1685	1801	0.00%	0.000%
15	4.202	953	968	1021	rBV2	221602	1066738	0.56%	0.186%
16	4.643	1086	1105	1133	rBV	544237	1342749	0.71%	0.234%
17	4.858	1166	1172	1175	rBV7	1437	1348	0.00%	0.000%
18	4.887	1175	1181	1183	rBV7	1346	1595	0.00%	0.000%
19	4.958	1200	1203	1206	rBV4	2323	2080	0.00%	0.000%
20	5.334	1295	1320	1331	rBV2	1199888	3541232	1.87%	0.616%
21	5.617	1402	1408	1411	rBV7	2750	3452	0.00%	0.001%
22	5.743	1442	1447	1453	rVB9	1319	1361	0.00%	0.000%
23	5.788	1454	1461	1467	rBV7	2198	2801	0.00%	0.000%
24	5.881	1476	1490	1533	rBV	1147760	2468393	1.30%	0.430%
25	6.183	1571	1584	1600	rBV10	22736	55984	0.03%	0.010%
26	6.328	1614	1629	1661	rBV	752165	1614827	0.85%	0.281%
27	6.562	1699	1702	1710	rVB8	1657	1994	0.00%	0.000%
28	6.681	1736	1739	1745	rVB5	1722	1679	0.00%	0.000%
29	6.884	1799	1802	1805	rBV4	2590	2208	0.00%	0.000%
30	7.061	1850	1857	1860	rBV6	1719	2158	0.00%	0.000%
31	7.225	1896	1908	1937	rBV2	383055	767964	0.41%	0.134%
32	7.427	1963	1971	1979	rVB9	6890	11511	0.01%	0.002%
33	7.562	1995	2013	2027	rBV	1398775	2567361	1.36%	0.447%
34	7.636	2029	2036	2058	rVB	262026	508762	0.27%	0.089%

LSC Area Percent Report

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Operator : JC/SP
Sample : K2604-06 5X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ80

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	7.852	2086	2103	2134	rVB2	244974	520612	0.27%	0.091%
36	8.225	2212	2219	2227	rBV9	5138	8709	0.00%	0.002%
37	8.324	2237	2250	2288	rBV	1076867	2362772	1.25%	0.411%
38	8.595	2330	2334	2335	rBV4	6758	4909	0.00%	0.001%
39	8.746	2375	2381	2394	rVB9	14532	26791	0.01%	0.005%
40	8.813	2394	2402	2405	rBV6	7010	9887	0.01%	0.002%
41	9.086	2475	2487	2525	rBV	1699427	3026932	1.60%	0.527%
42	9.247	2526	2537	2562	rBV	1093089	1871466	0.99%	0.326%
43	9.369	2562	2575	2592	rBV	8170241	13838756	7.30%	2.409%
44	9.643	2656	2660	2661	rBV4	6420	4690	0.00%	0.001%
45	9.787	2690	2705	2740	rBV3	13915223	25661030	13.54%	4.466%
46	10.164	2815	2822	2830	rBV	46475	75332	0.04%	0.013%
47	10.430	2895	2905	2917	rBV	1027763	1688947	0.89%	0.294%
48	10.508	2922	2929	2942	rVB2	221863	364763	0.19%	0.063%
49	10.585	2944	2953	2970	rBV	286250	450038	0.24%	0.078%
50	10.678	2972	2982	2998	rBV	1143194	2479615	1.31%	0.432%
51	10.768	2999	3010	3019	rBV	1503297	2486919	1.31%	0.433%
52	10.993	3063	3080	3094	rBV2	982461	2089505	1.10%	0.364%
53	11.144	3110	3127	3138	rBV	5052383	8252228	4.36%	1.436%
54	11.212	3138	3148	3157	rVV	8559381	12903877	6.81%	2.246%
55	11.263	3157	3164	3177	rVB	3107123	4684745	2.47%	0.815%
56	11.398	3200	3206	3211	rBV3	108656	162423	0.09%	0.028%
57	11.482	3222	3232	3243	rBV	1883573	2921186	1.54%	0.508%
58	11.565	3250	3258	3268	rBV	1603926	2392406	1.26%	0.416%
59	11.623	3268	3276	3293	rVB	1179945	1816023	0.96%	0.316%
60	11.762	3309	3319	3328	rBV	1136529	1904003	1.01%	0.331%
61	11.858	3340	3349	3365	rVB3	1709108	3099343	1.64%	0.539%
62	11.977	3374	3386	3398	rBV2	30496905	47923470	25.30%	8.341%
63	12.144	3430	3438	3441	rBV2	233935	327161	0.17%	0.057%
64	12.218	3454	3461	3466	rBV2	470708	728979	0.38%	0.127%
65	12.421	3515	3524	3535	rVB	2022180	3134361	1.65%	0.546%
66	12.482	3535	3543	3556	rVB2	535765	829554	0.44%	0.144%
67	12.646	3588	3594	3601	rVB	379933	522070	0.28%	0.091%
68	12.704	3602	3612	3623	rBV4	1394693	2816394	1.49%	0.490%
69	12.819	3639	3648	3658	rBV	1481061	2433955	1.28%	0.424%
70	12.961	3685	3692	3705	rVB	362408	528213	0.28%	0.092%
71	13.080	3723	3729	3732	rBV	236700	286265	0.15%	0.050%

LSC Area Percent Report

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Sample : K2604-06 5X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ80

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	13.118	3733	3741	3750	rVV4	1611610	2603237	1.37%	0.453%
73	13.180	3750	3760	3773	rVB	6473855	9757625	5.15%	1.698%
74	13.286	3782	3793	3809	rVB	6929653	11333115	5.98%	1.973%
75	13.382	3813	3823	3840	rVB3	978145	1838628	0.97%	0.320%
76	13.752	3921	3938	3961	rBV2	100770577	189451898	100.00%	32.974%
77	13.858	3963	3971	3992	rVB	1540926	2591740	1.37%	0.451%
78	14.138	4052	4058	4064	rBV2	330255	457383	0.24%	0.080%
79	14.334	4110	4119	4128	rBV2	892478	1572594	0.83%	0.274%
80	14.459	4153	4158	4175	rVB2	745399	1534395	0.81%	0.267%
81	14.581	4190	4196	4209	rVB	406141	615416	0.32%	0.107%
82	14.726	4235	4241	4258	rVB	779425	1318900	0.70%	0.230%
83	14.816	4262	4269	4275	rVV	388404	586604	0.31%	0.102%
84	14.874	4275	4287	4312	rVB3	46468793	72264392	38.14%	12.577%
85	15.057	4332	4344	4363	rBV	28094510	43799311	23.12%	7.623%
86	15.601	4503	4513	4524	rBV	4622113	6934366	3.66%	1.207%
87	15.794	4566	4573	4579	rBV	946804	1234477	0.65%	0.215%
88	15.906	4597	4608	4626	rBV	5549011	9809887	5.18%	1.707%
89	16.054	4644	4654	4661	rBV	7643734	12065452	6.37%	2.100%
90	16.183	4684	4694	4706	rVV	3316963	5084729	2.68%	0.885%
91	16.279	4708	4724	4746	rVB	2153115	5534705	2.92%	0.963%
92	16.427	4761	4770	4786	rVB	1275689	2028851	1.07%	0.353%
93	16.517	4787	4798	4817	rVV	8198284	13758085	7.26%	2.395%
94	16.626	4827	4832	4844	rVB2	550213	811159	0.43%	0.141%
95	16.732	4856	4865	4872	rBV	901822	1510330	0.80%	0.263%
96	16.967	4932	4938	4945	rVB	590758	812401	0.43%	0.141%
97	17.012	4946	4952	4977	rVB3	753736	1679708	0.89%	0.292%
98	17.160	4990	4998	5009	rVB2	874480	1380069	0.73%	0.240%
99	17.221	5010	5017	5028	rVB2	493525	769755	0.41%	0.134%
100	17.527	5103	5112	5125	rBV2	355587	669915	0.35%	0.117%

Sum of corrected areas: 574553993

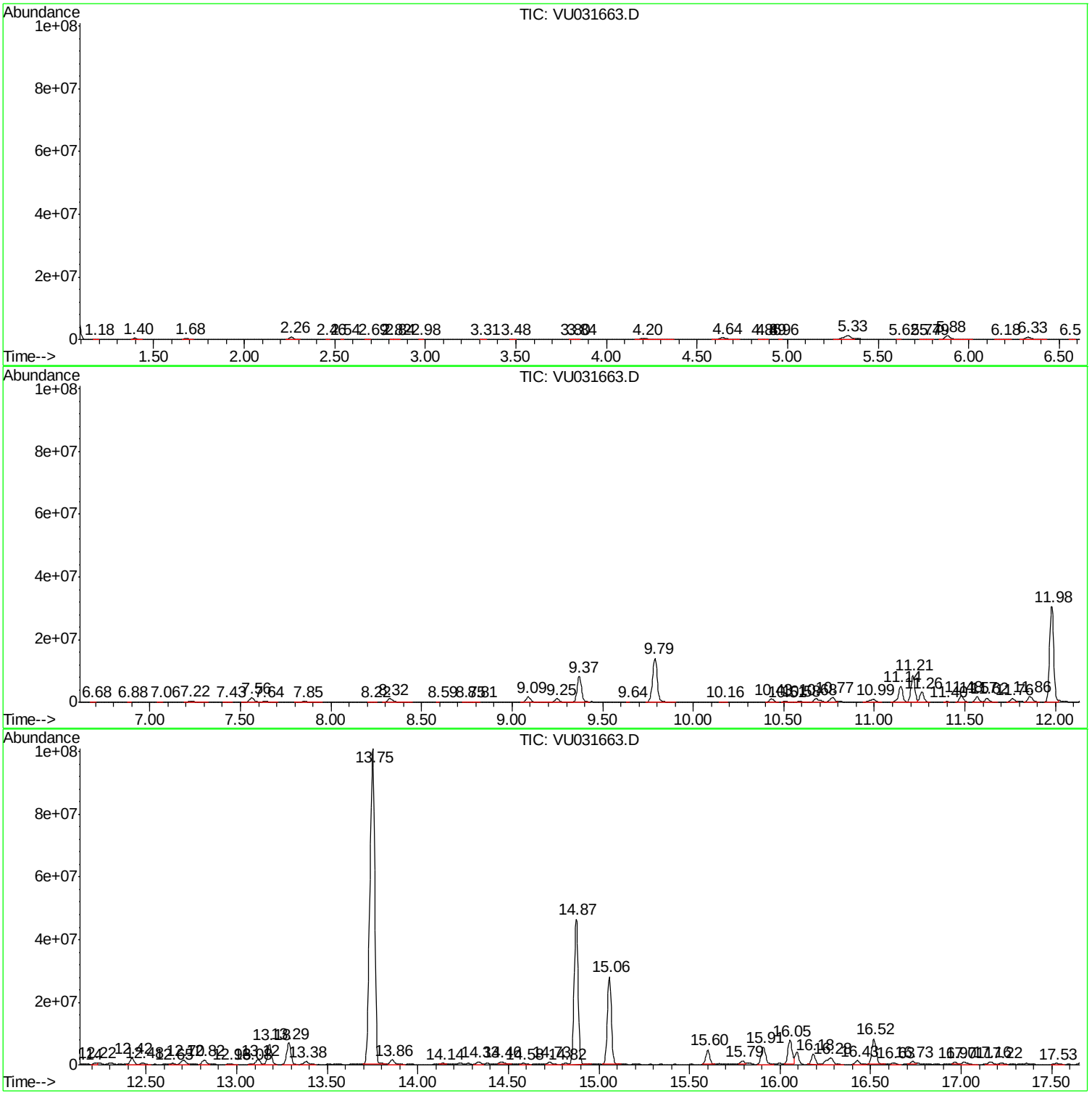
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU043019\
Data File : VU031663.D
Acq On : 01 May 2019 03:21
Operator : JC/SP
Sample : K2604-06 5X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ80

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\VU043019\
Data File : VU031663.D
Acq On : 01 May 2019 03:21
Operator : JC/SP
Sample : K2604-06 5X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ80

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

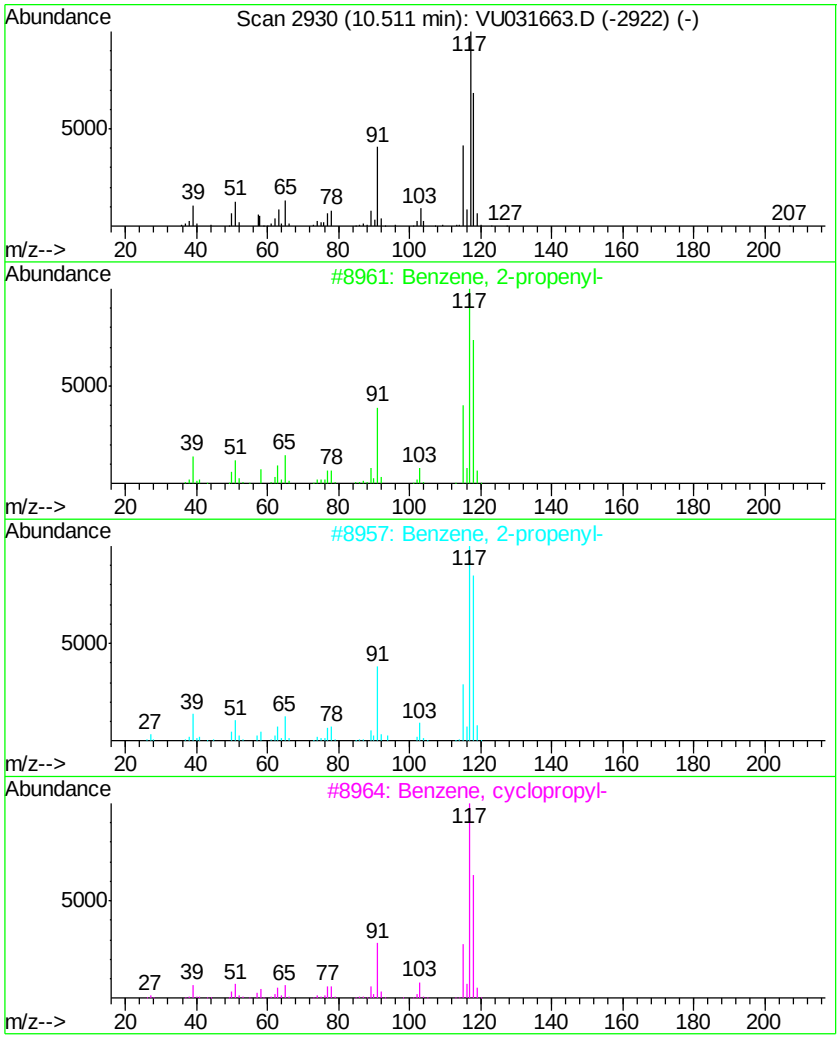
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

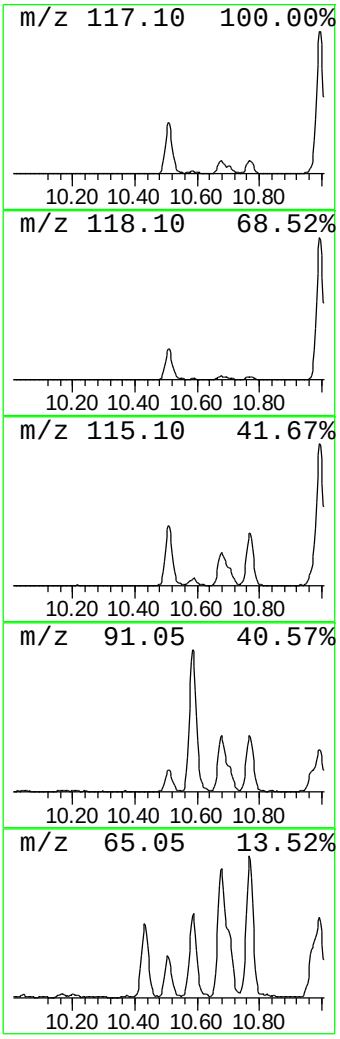
****

Peak Number 2 Benzene, 2-propenyl- Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.51	6.24 ug/L	364763	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	96
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	96
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	94
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031663.D
Acq On : 01 May 2019 03:21
Operator : JC/SP
Sample : K2604-06 5X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ80

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

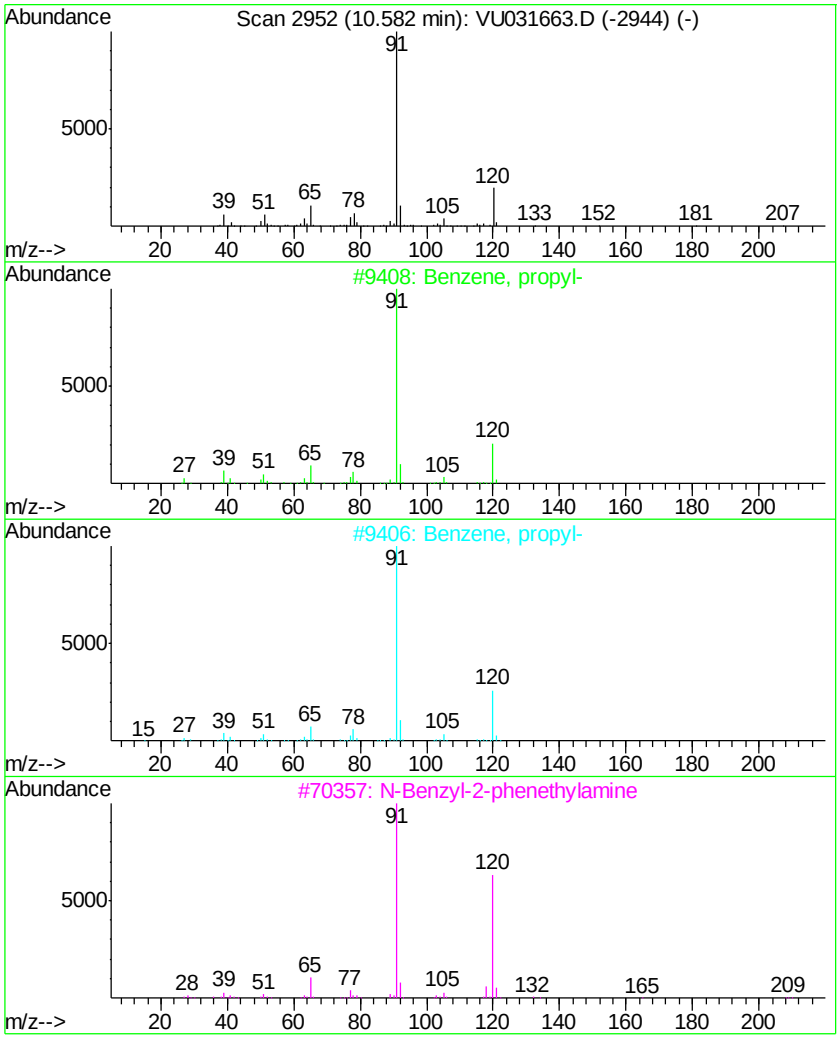
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

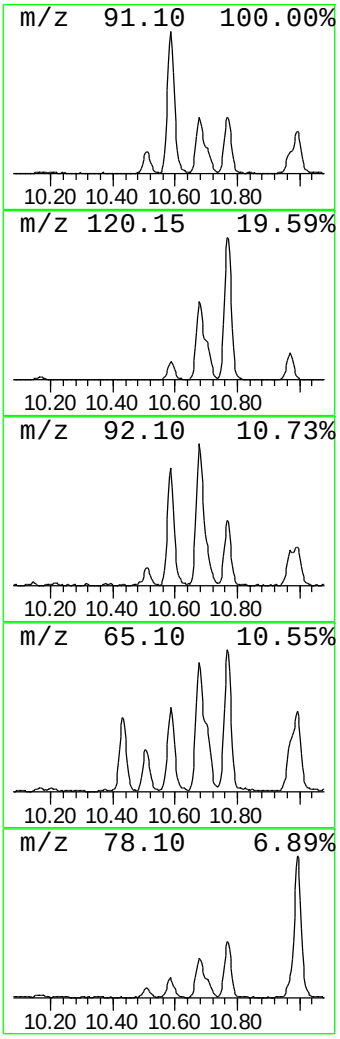
****

Peak Number 3 Benzene, propyl- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	7.70 ug/L	450038	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	90
2	Benzene, propyl-	120	C9H12	000103-65-1	87
3	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	78
4	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	72
5	Benzene, propyl-	120	C9H12	000103-65-1	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031663.D
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Sample : K2604-06 5X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ80

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

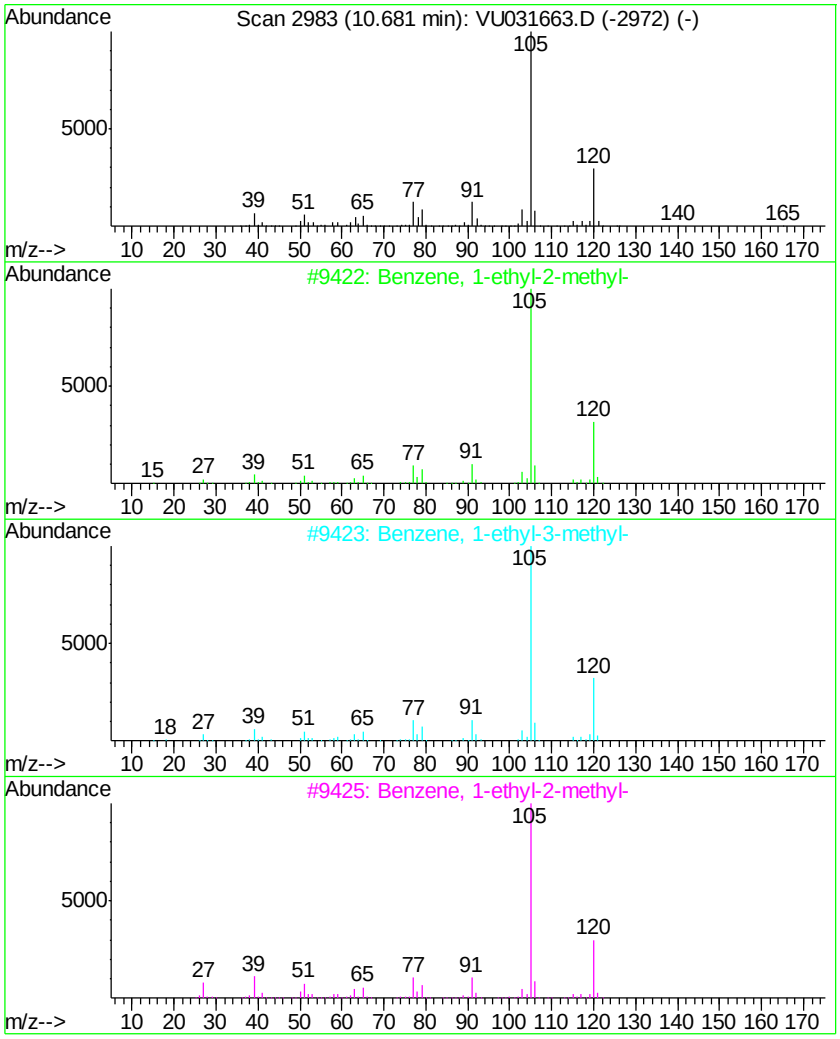
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

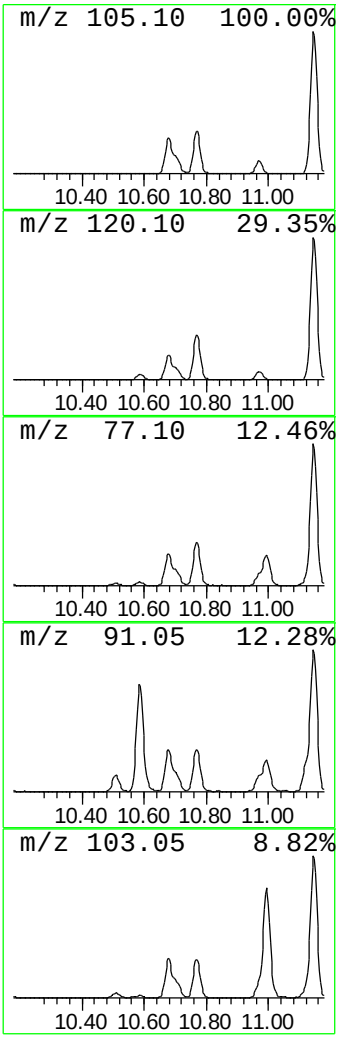
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	42.44 ug/L	2479620	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031663.D
Acq On : 01 May 2019 03:21
Operator : JC/SP
Sample : K2604-06 5X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ80

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

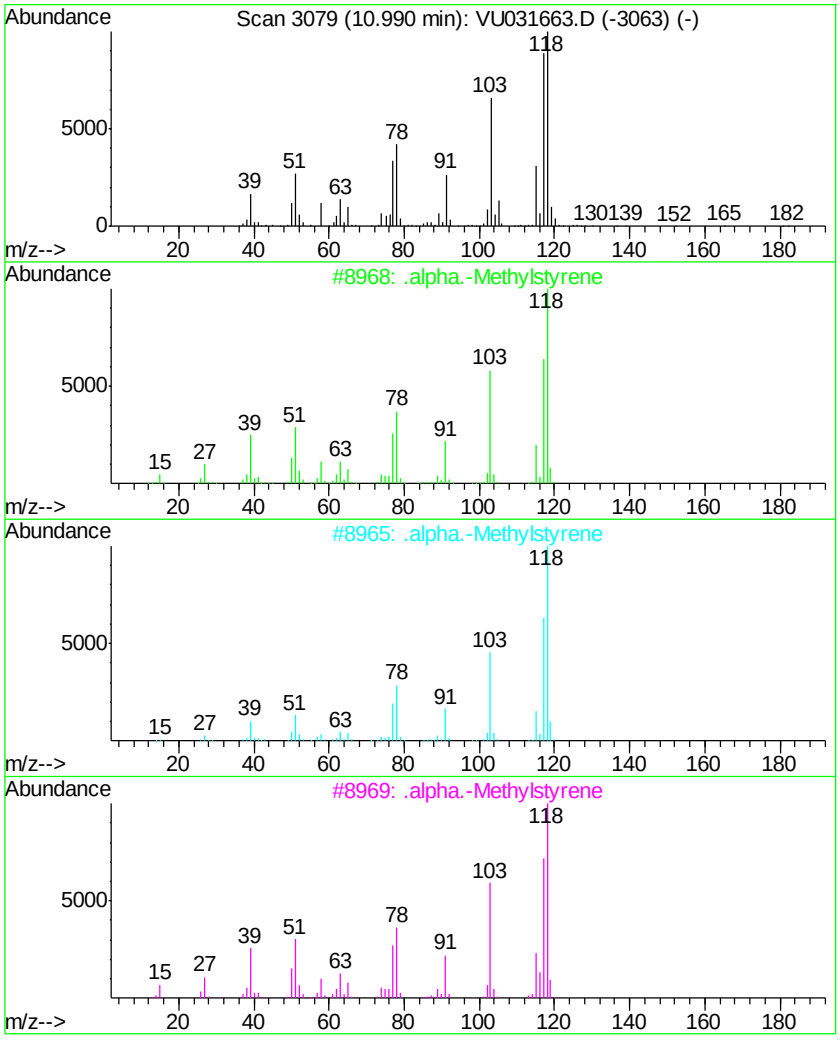
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

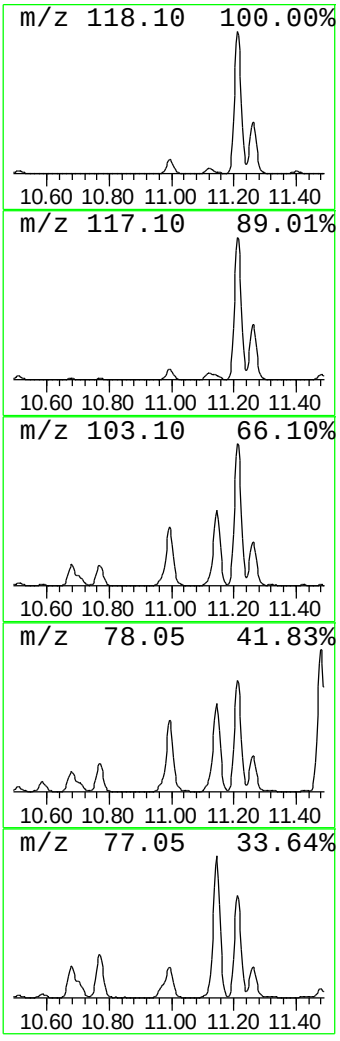
****

Peak Number 6 .alpha.-Methylstyrene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.99	35.76 ug/L	2089510	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Methylstyrene	118	C9H10	000098-83-9	96
2	.alpha.-Methylstyrene	118	C9H10	000098-83-9	93
3	.alpha.-Methylstyrene	118	C9H10	000098-83-9	93
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	49
5	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031663.D
Acq On : 01 May 2019 03:21
Operator : JC/SP
Sample : K2604-06 5X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ80

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

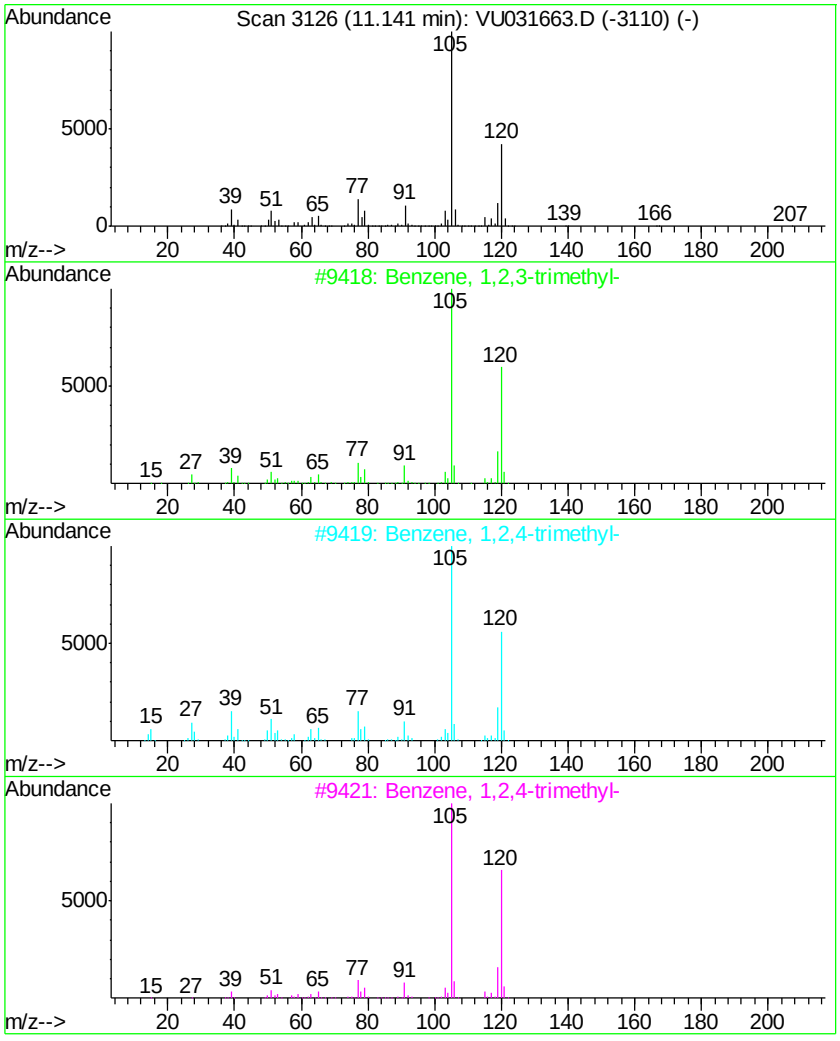
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

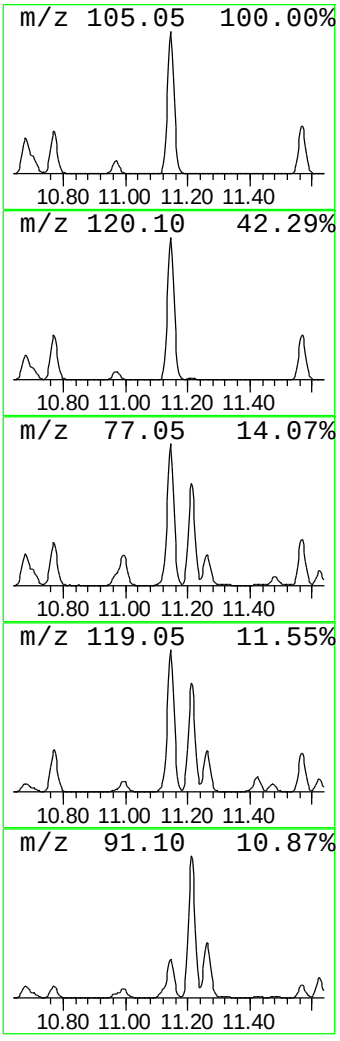
****

Peak Number 7 Benzene, 1,2,3-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	141.25 ug/L	8252230	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	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031663.D
Acq On : 01 May 2019 03:21
Operator : JC/SP
Sample : K2604-06 5X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ80

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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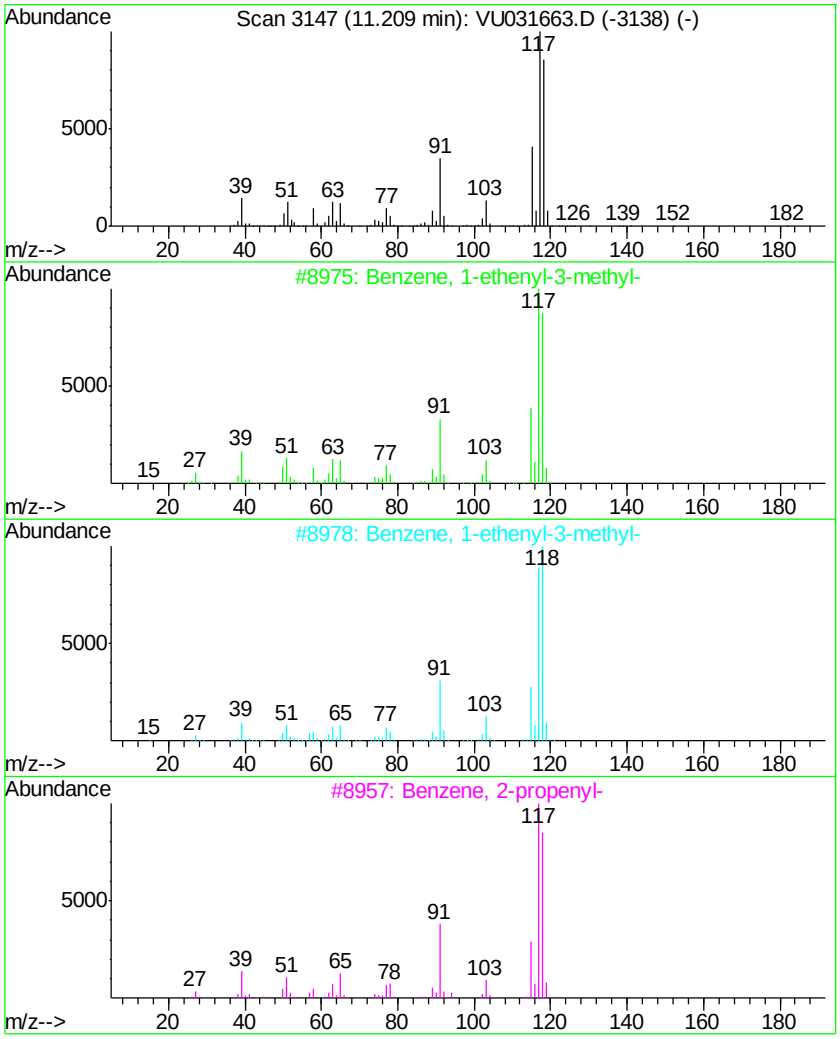
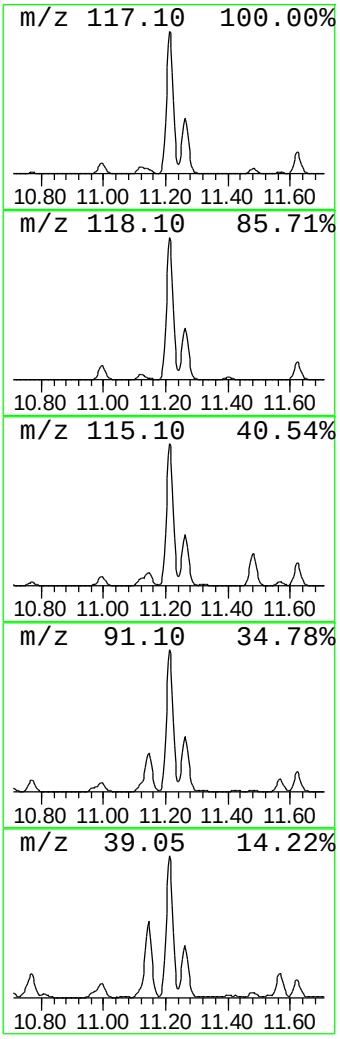
Peak Number 8 Benzene, 1-ethenyl-3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	220.87 ug/L	12903900	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
2	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	95
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	94
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94





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Data File : VU031663.D
Acq On : 01 May 2019 03:21
Operator : JC/SP
Sample : K2604-06 5X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ80

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

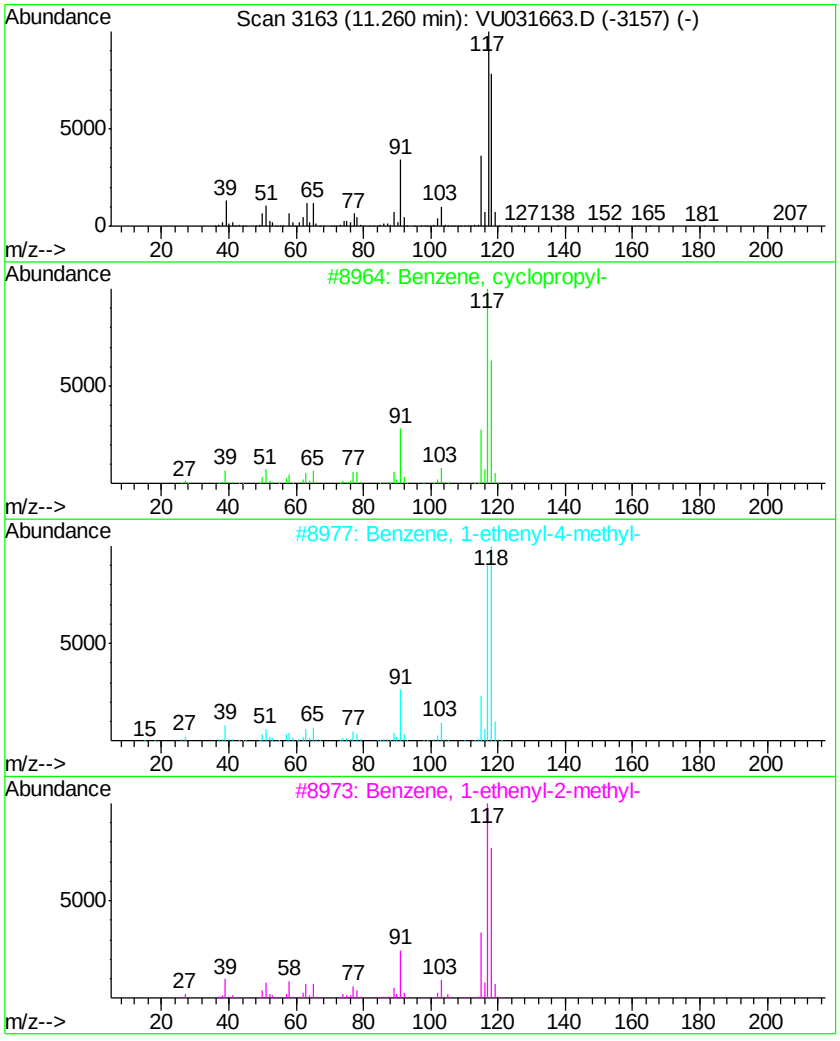
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

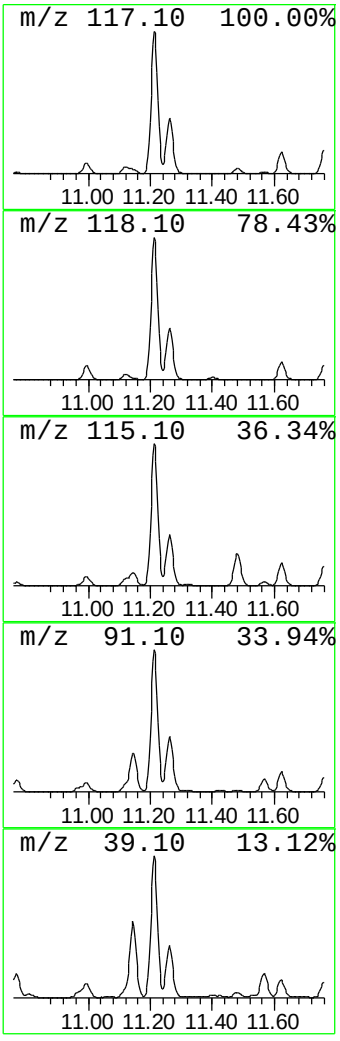
****

Peak Number 9 Benzene, cyclopropyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	80.19 ug/L	4684750	1,4-Dichlorobenzene-d4	11.48

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





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Data File : VU031663.D
Acq On : 01 May 2019 03:21
Operator : JC/SP
Sample : K2604-06 5X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ80

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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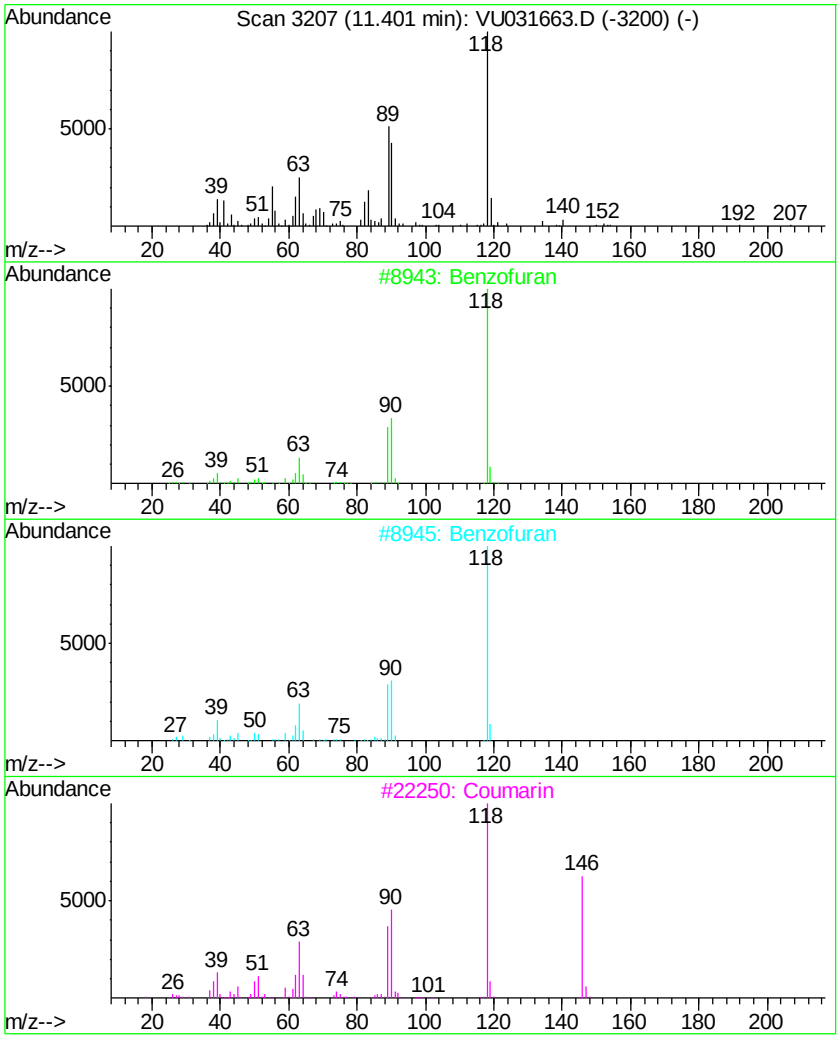
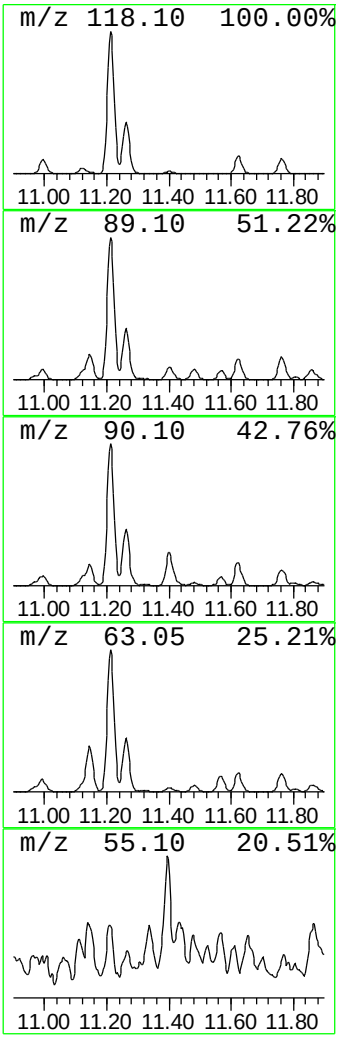
Peak Number 10 Benzofuran Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	2.78 ug/L	162423	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran	118	C8H6O	000271-89-6	93
2	Benzofuran	118	C8H6O	000271-89-6	87
3	Coumarin	146	C9H6O2	000091-64-5	72
4	Coumarin	146	C9H6O2	000091-64-5	72
5	3-Hydroxyphenylacetylene	118	C8H6O	010401-11-3	68





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031663.D
Acq On : 01 May 2019 03:21
Operator : JC/SP
Sample : K2604-06 5X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ80

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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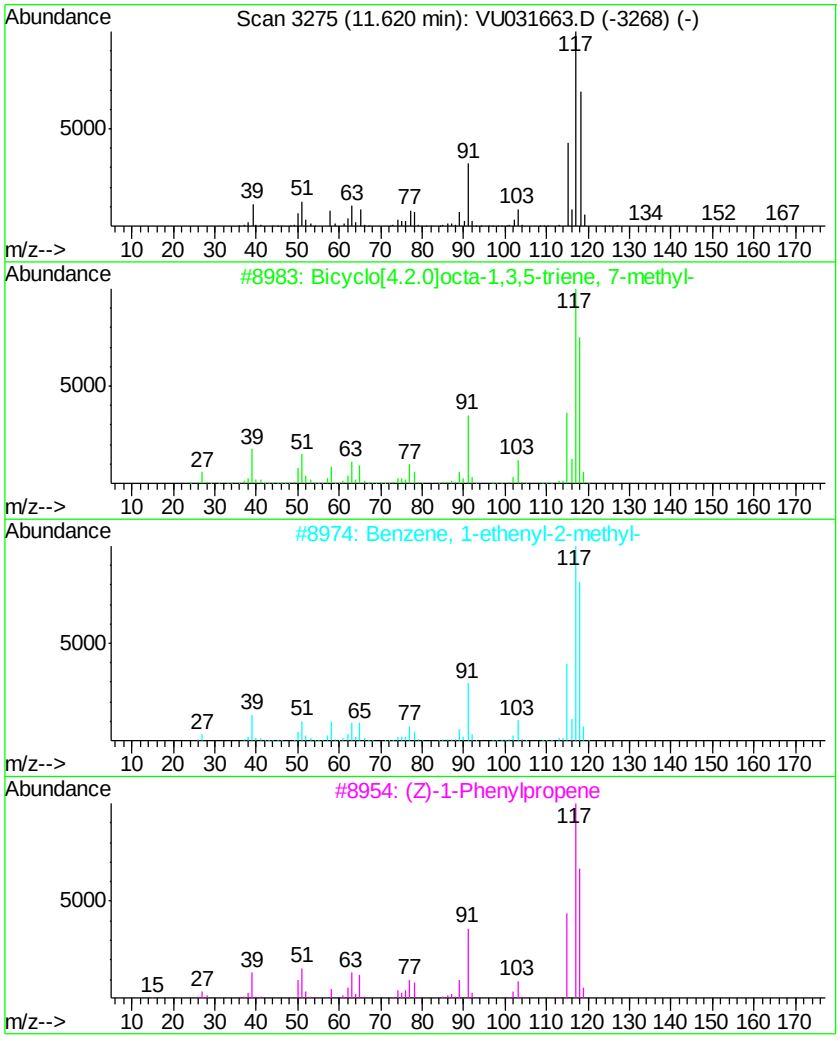
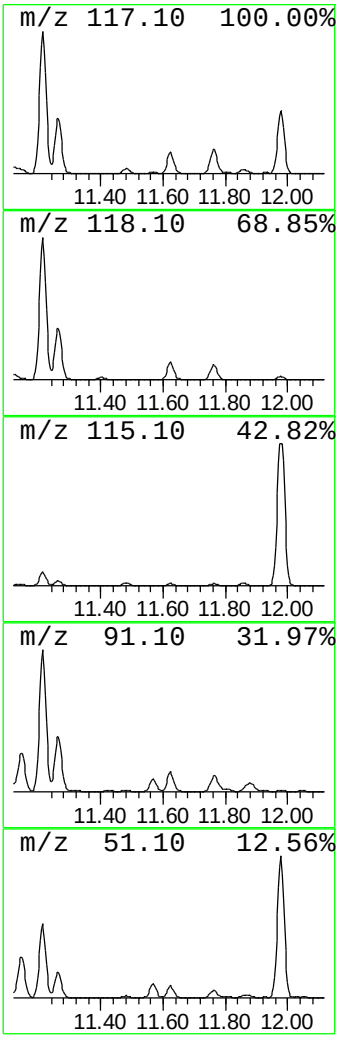
Peak Number 12 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	31.08 ug/L	1816020	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	96
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	95
3	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	95
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	95
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	95





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Data File : VU031663.D
Acq On : 01 May 2019 03:21
Operator : JC/SP
Sample : K2604-06 5X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ80

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

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

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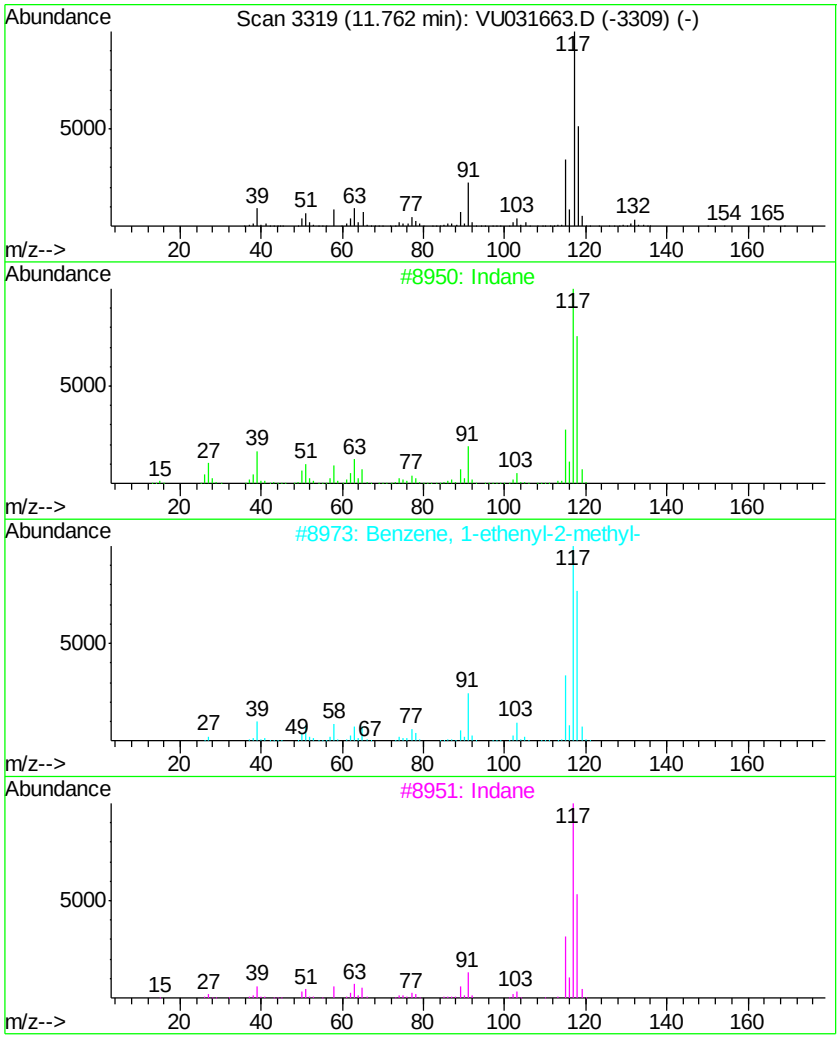
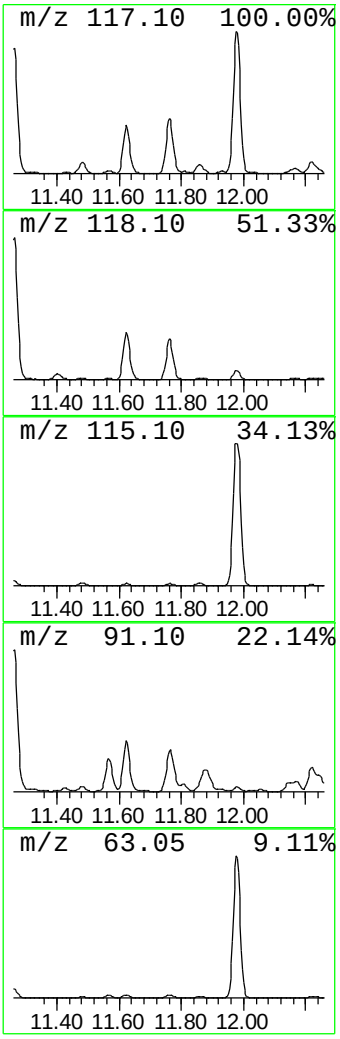
Peak Number 13 Indane Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	32.59 ug/L	1904000	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	91
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	89
3	Indane	118	C9H10	000496-11-7	87
4	Indane	118	C9H10	000496-11-7	76
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	74





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031663.D
Acq On : 01 May 2019 03:21
Operator : JC/SP
Sample : K2604-06 5X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ80

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

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

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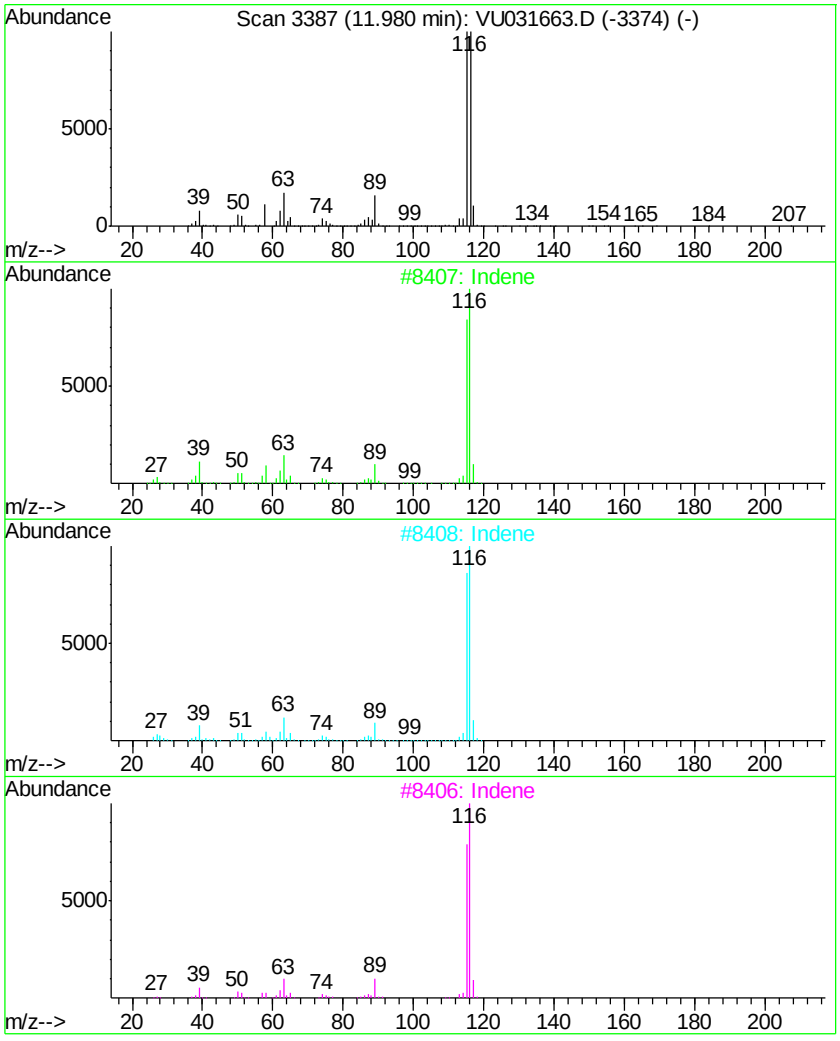
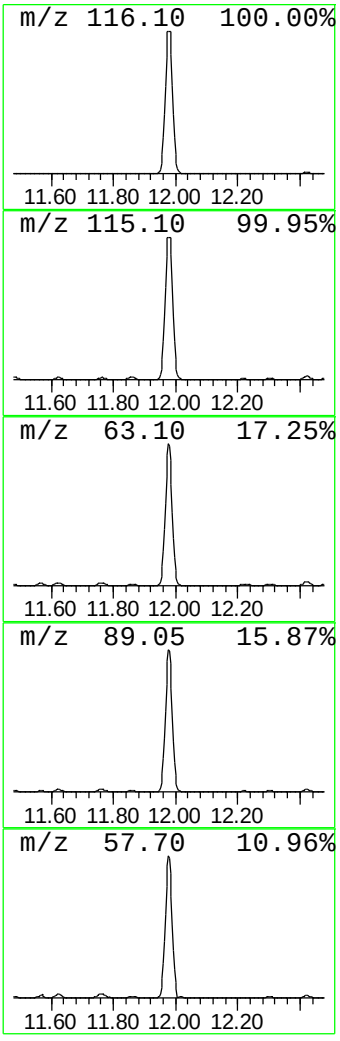
Peak Number 14 Indene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	820.27 ug/L	47923500	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Indene	116	C9H8	000095-13-6	96
3	Indene	116	C9H8	000095-13-6	93
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	3-Methylphenylacetylene	116	C9H8	000766-82-5	91





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Data File : VU031663.D
Acq On : 01 May 2019 03:21
Operator : JC/SP
Sample : K2604-06 5X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ80

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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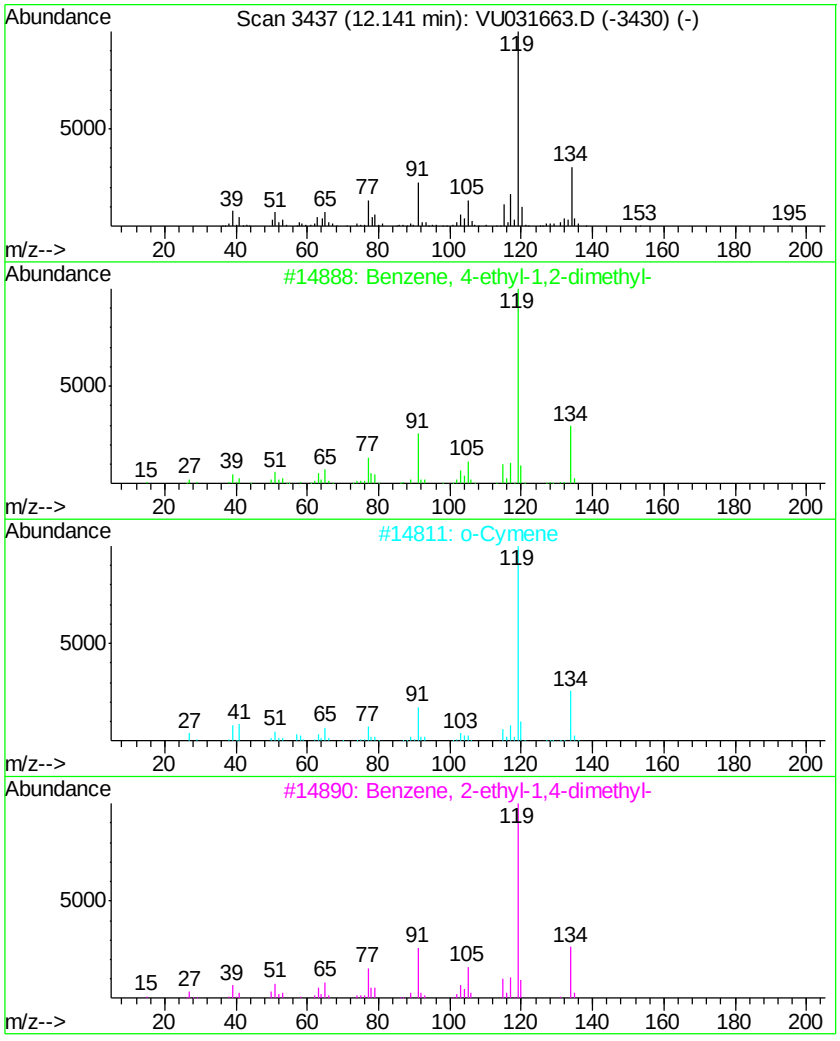
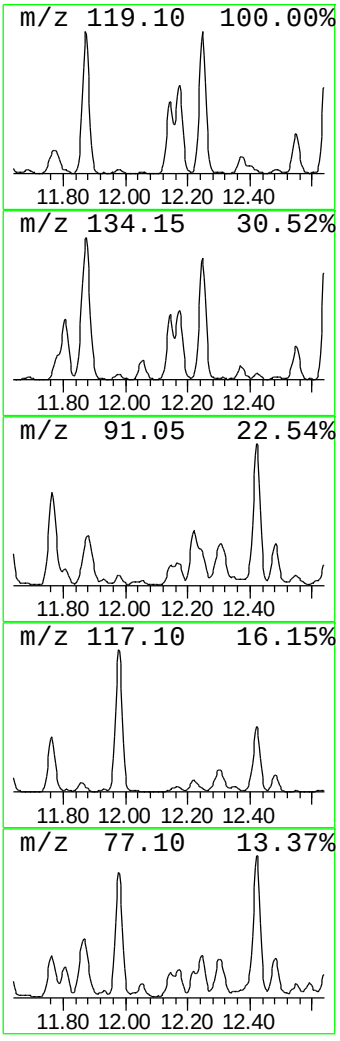
Peak Number 15 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	5.60 ug/L	327161	1,4-Dichlorobenzene-d4	11.48

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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031663.D
Acq On : 01 May 2019 03:21
Operator : JC/SP
Sample : K2604-06 5X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ80

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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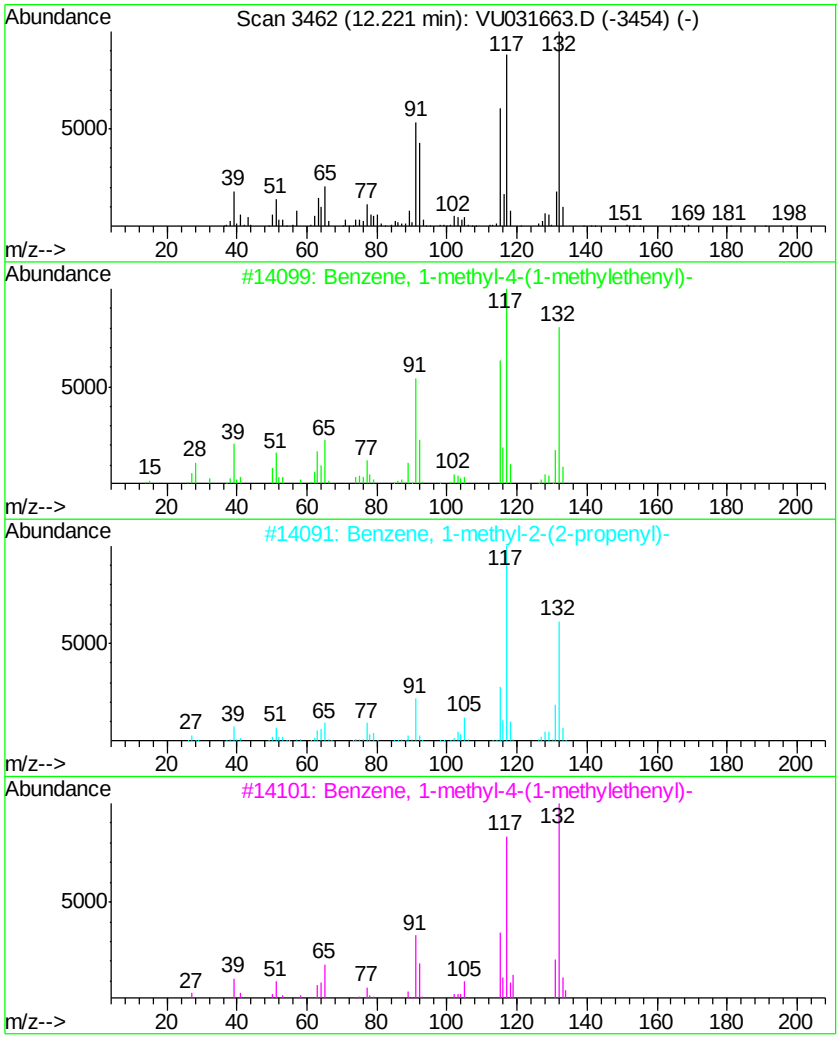
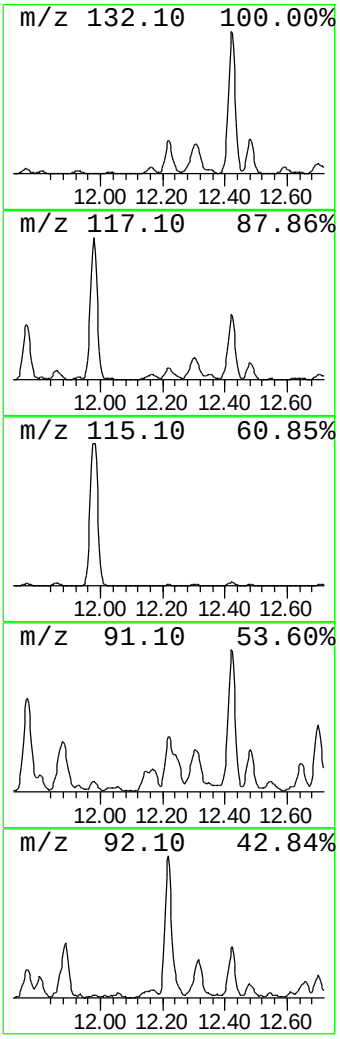
Peak Number 16 Benzene, 1-methyl-4-(1-meth... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	12.48 ug/L	728979	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-2-(2-propenyl)-	132	C10H12	001587-04-8	89
3	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	81
4	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	81
5	5,8-Dimethylenebicyclo[2.2.2]oct...	132	C10H12	1000210-64-8	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031663.D
Acq On : 01 May 2019 03:21
Operator : JC/SP
Sample : K2604-06 5X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ80

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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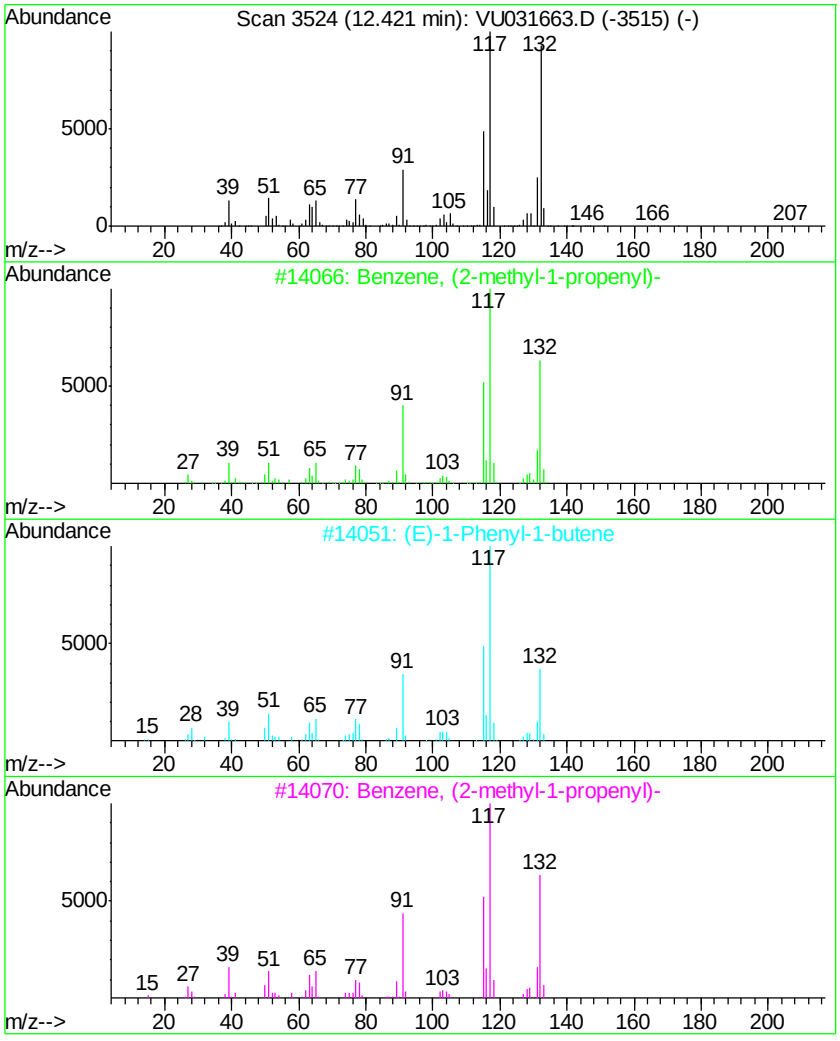
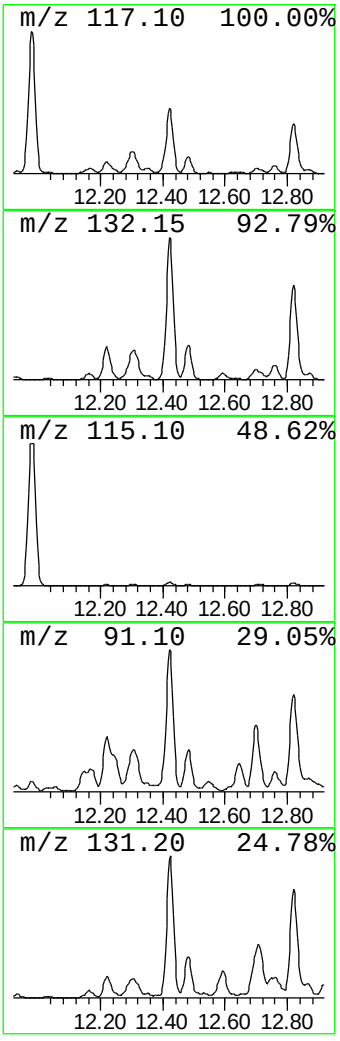
Peak Number 17 Benzene, (2-methyl-1-propen... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	53.65 ug/L	3134360	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	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	94
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	94
4	o-Isopropenyltoluene	132	C10H12	007399-49-7	94
5	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031663.D
Acq On : 01 May 2019 03:21
Operator : JC/SP
Sample : K2604-06 5X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ80

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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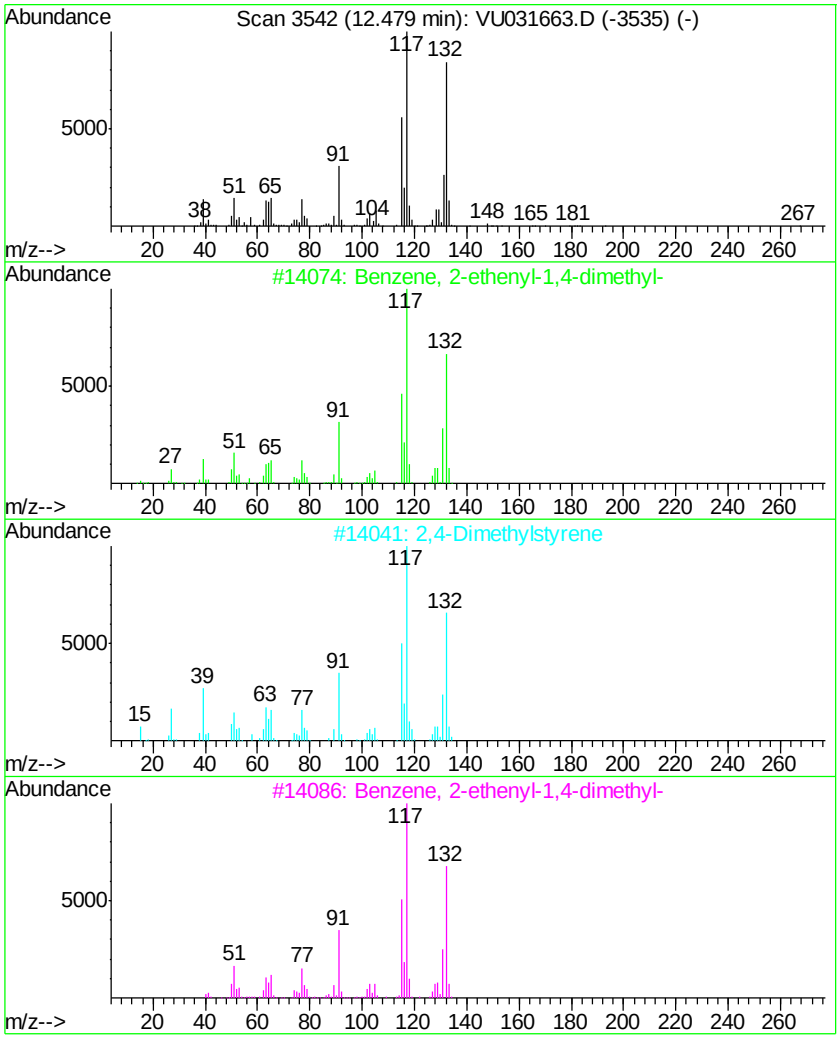
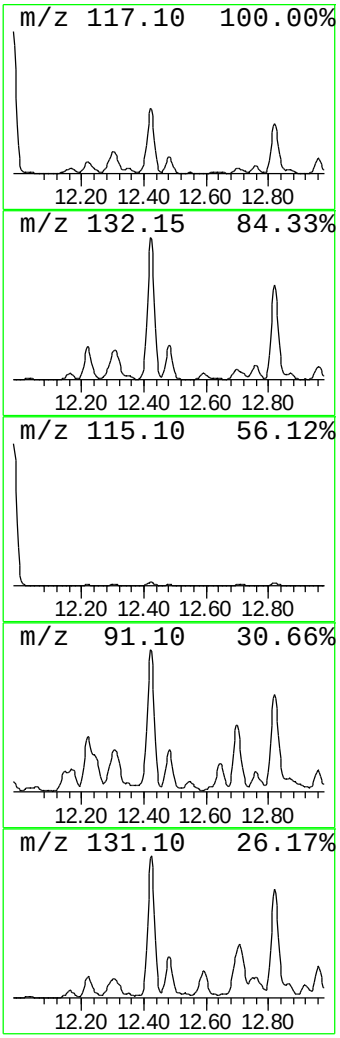
Peak Number 18 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	14.20 ug/L	829554	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	98
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	97
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
4	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	95
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031663.D
Acq On : 01 May 2019 03:21
Operator : JC/SP
Sample : K2604-06 5X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ80

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

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

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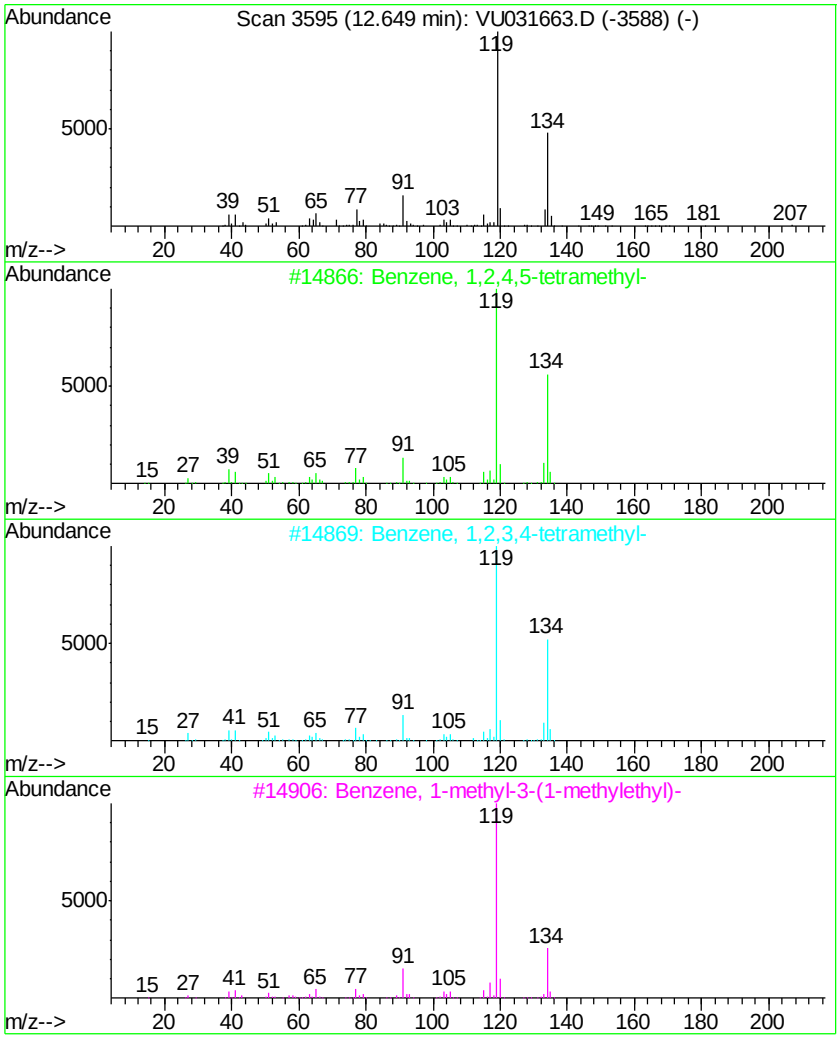
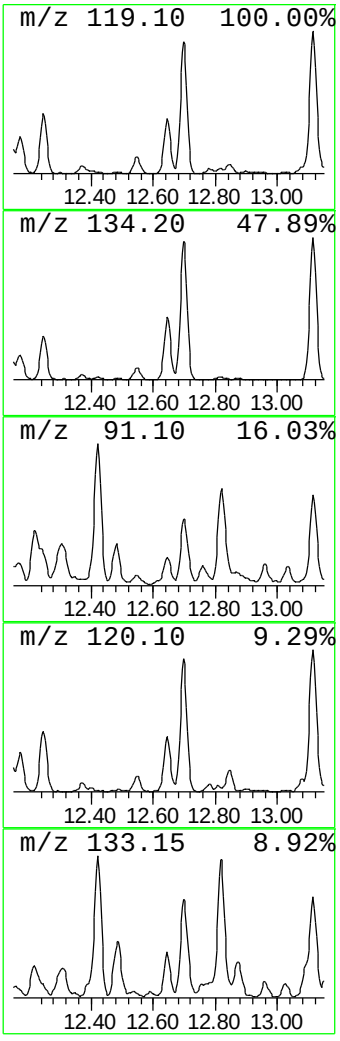
Peak Number 19 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	8.94 ug/L	522070	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	94
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
4	o-Cymene	134	C10H14	000527-84-4	93
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031663.D
Acq On : 01 May 2019 03:21
Operator : JC/SP
Sample : K2604-06 5X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ80

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

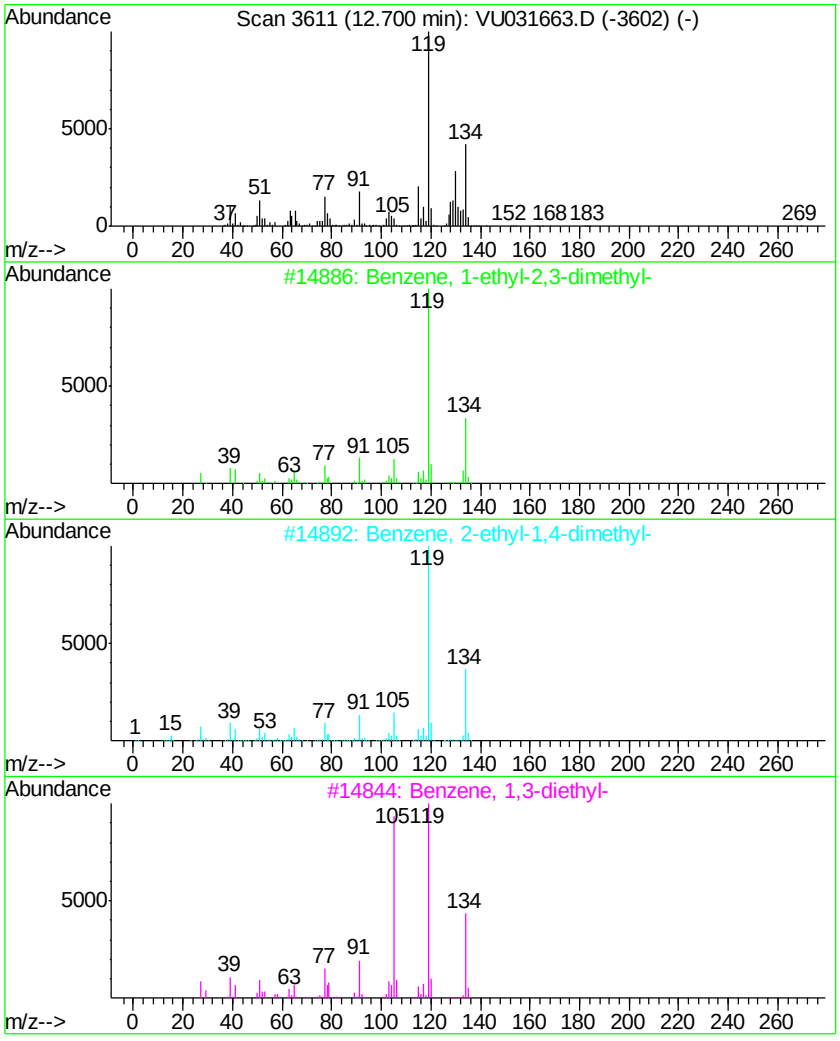
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

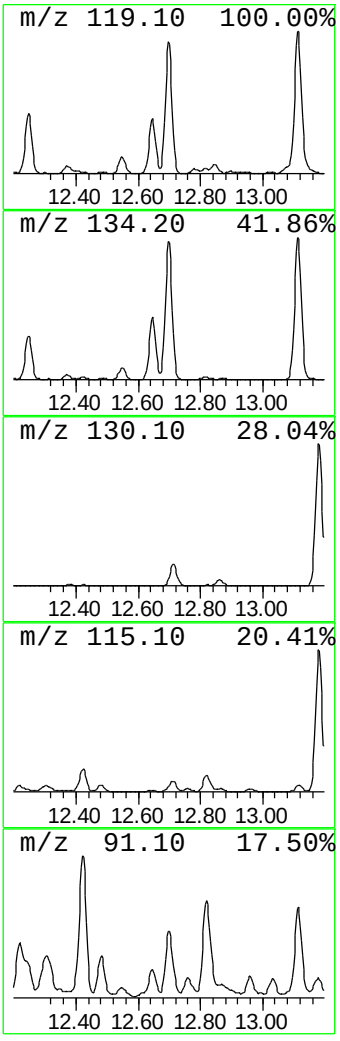
****

Peak Number 20 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	48.21 ug/L	2816390	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	55
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	55
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	55
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	55
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	55





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031663.D
Acq On : 01 May 2019 03:21
Operator : JC/SP
Sample : K2604-06 5X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ80

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

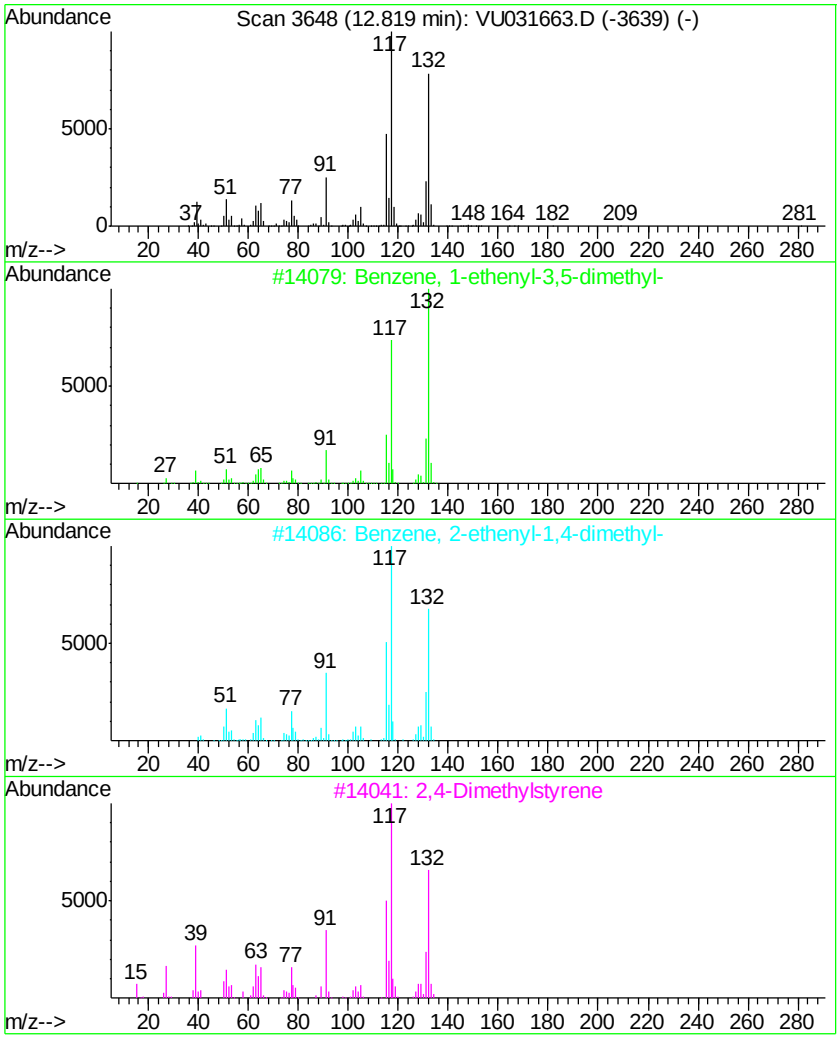
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

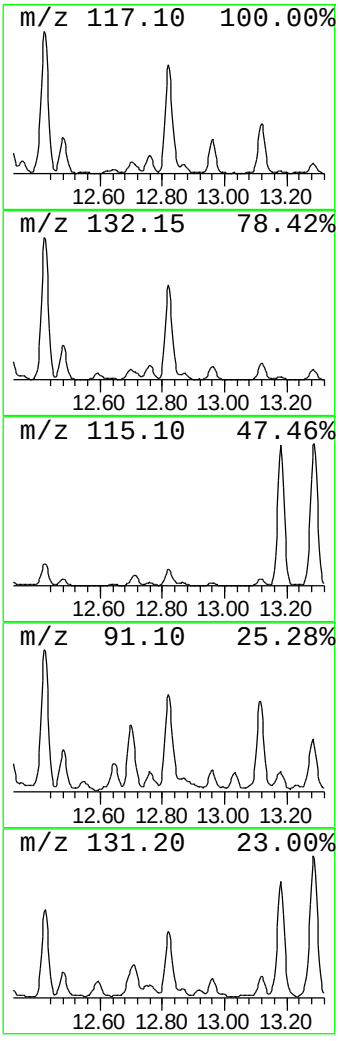
****

Peak Number 21 Benzene, 1-ethenyl-3,5-dime... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.82	41.66 ug/L	2433960	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, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
3	2,4-Dimethylstyrene	132	C10H12	002234-20-0	96
4	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	95
5	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031663.D
Acq On : 01 May 2019 03:21
Operator : JC/SP
Sample : K2604-06 5X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ80

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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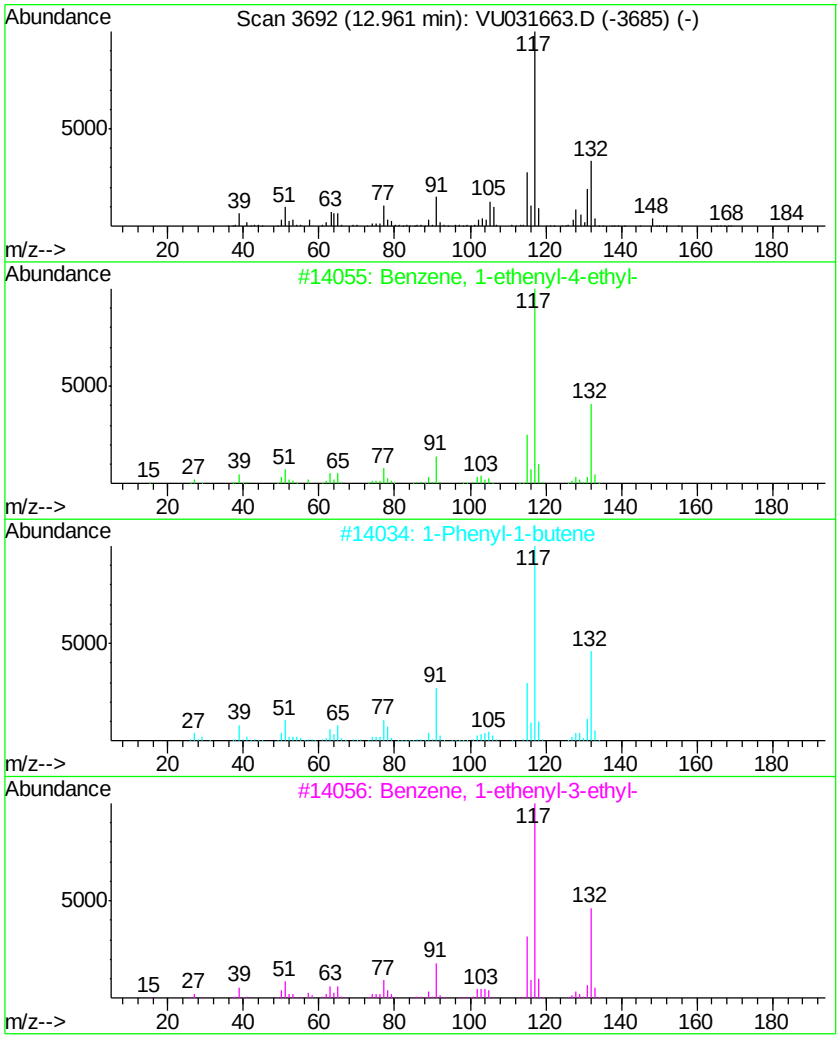
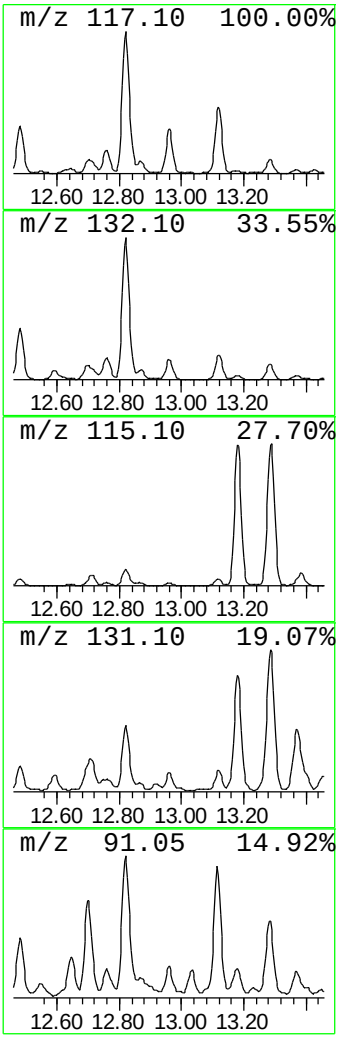
Peak Number 22 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	9.04 ug/L	528213	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	94
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	94
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	93
4	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	91





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Data File : VU031663.D
Acq On : 01 May 2019 03:21
Operator : JC/SP
Sample : K2604-06 5X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ80

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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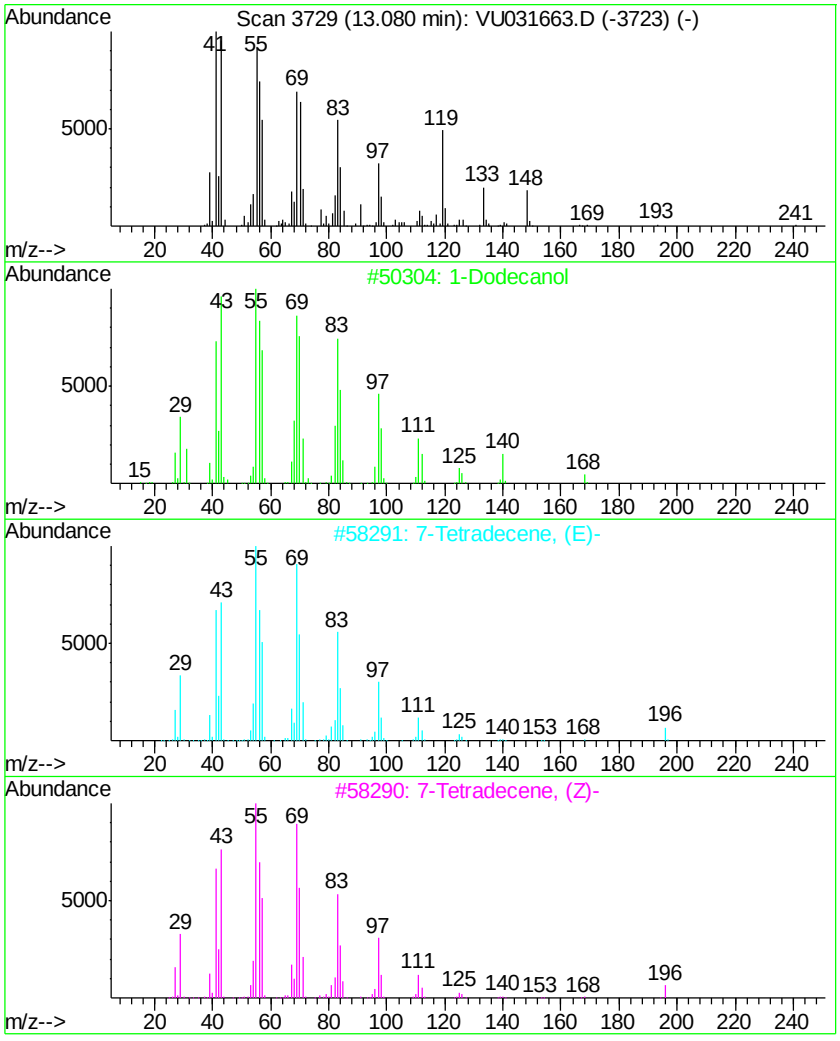
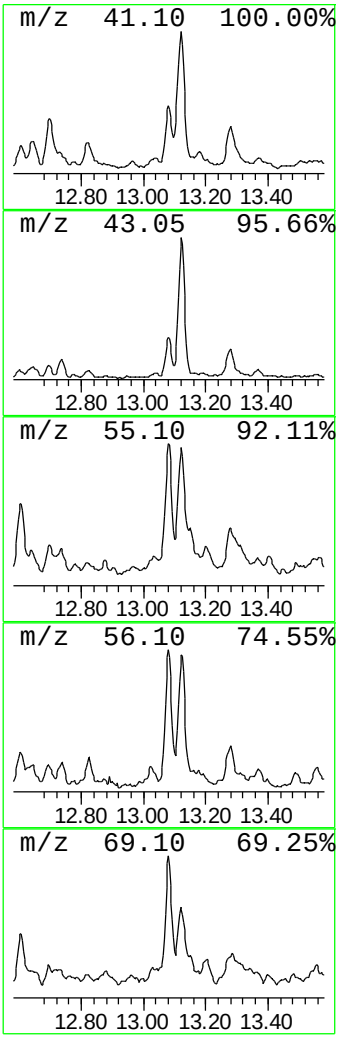
Peak Number 23 1-Dodecanol Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	4.90 ug/L	286265	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Dodecanol	186	C12H26O	000112-53-8	68
2	7-Tetradecene, (E)-	196	C14H28	041446-63-3	68
3	7-Tetradecene, (Z)-	196	C14H28	041446-60-0	68
4	2-Dodecene, (Z)-	168	C12H24	007206-26-0	68
5	5-Tetradecene, (E)-	196	C14H28	041446-66-6	64





Library Search Compound Report

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Data File : VU031663.D
Acq On : 01 May 2019 03:21
Operator : JC/SP
Sample : K2604-06 5X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ80

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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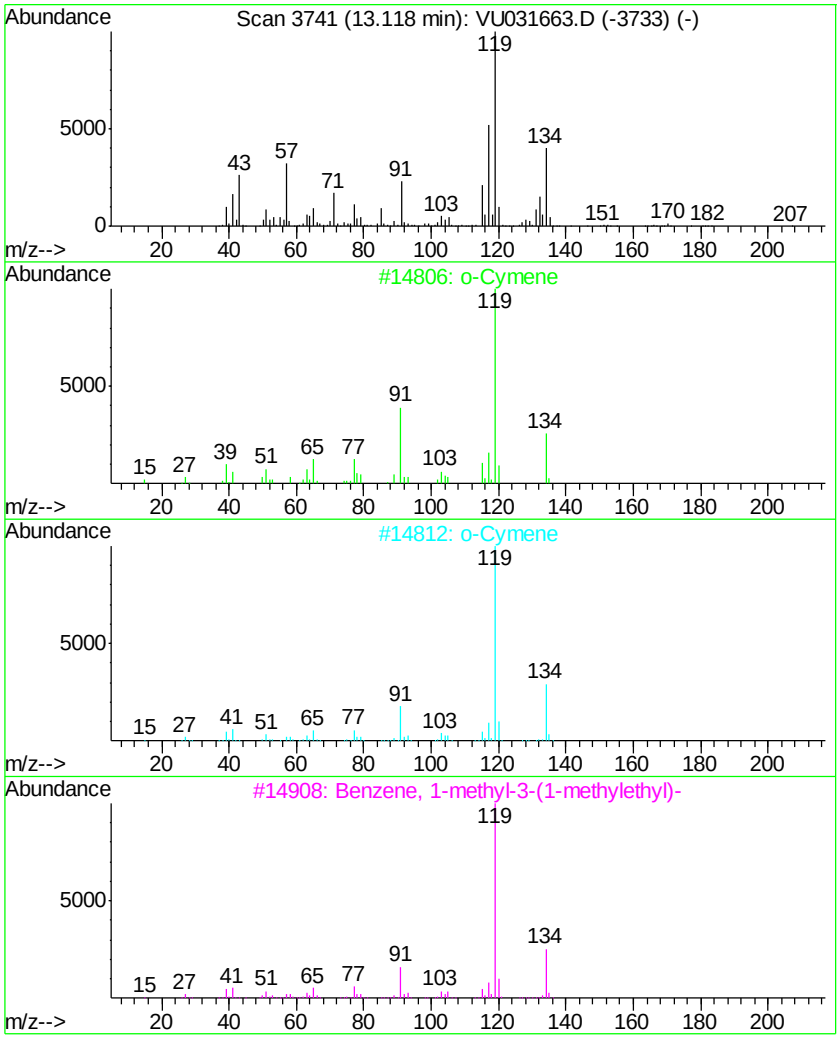
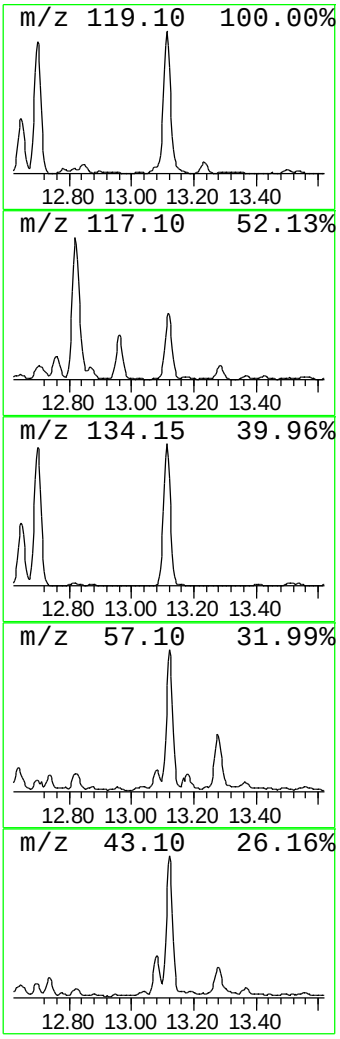
Peak Number 24 o-Cymene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	44.56 ug/L	2603240	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	70
2	o-Cymene	134	C10H14	000527-84-4	64
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	64
4	p-Cymene	134	C10H14	000099-87-6	64
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	64





Library Search Compound Report

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Data File : VU031663.D
Acq On : 01 May 2019 03:21
Operator : JC/SP
Sample : K2604-06 5X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ80

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

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

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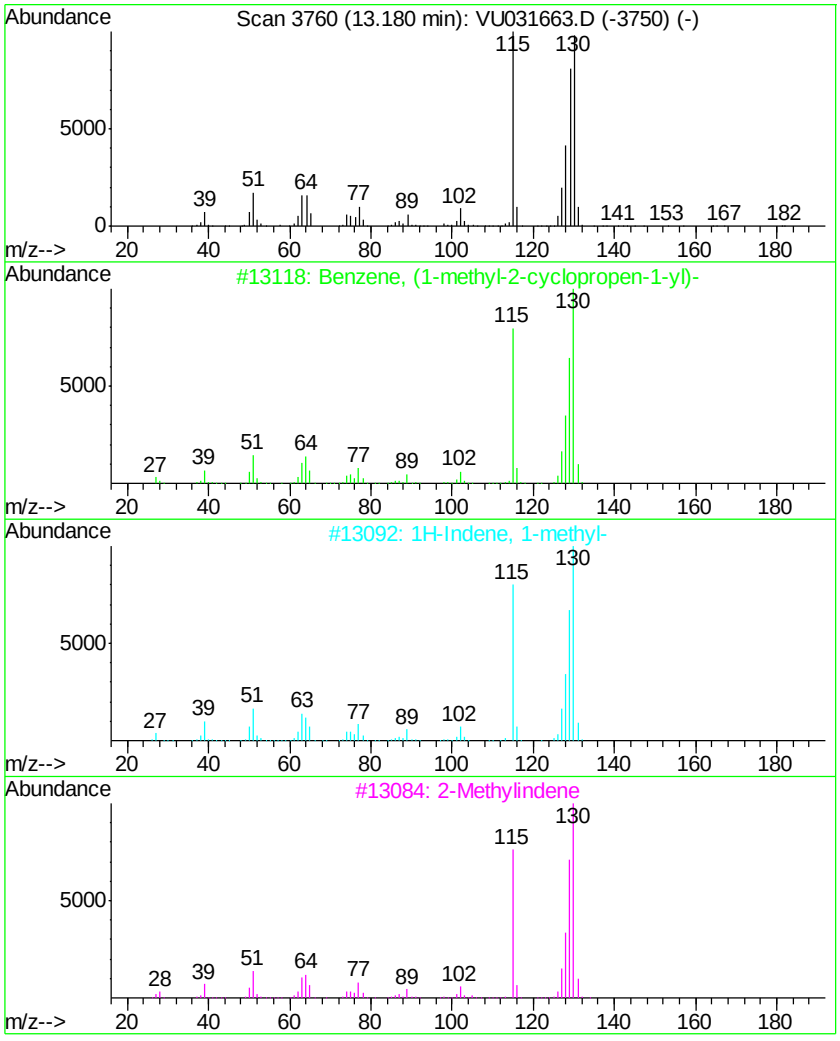
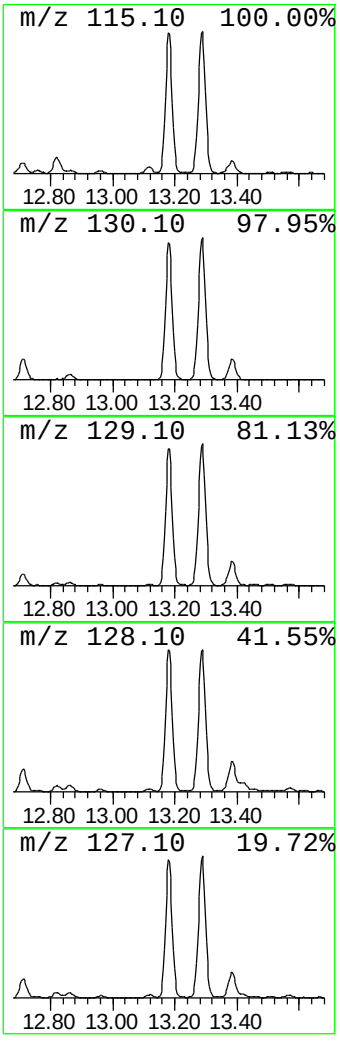
Peak Number 25 Benzene, (1-methyl-2-cyclop... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	167.02 ug/L	9757630	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	97
2	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
3	2-Methylindene	130	C10H10	002177-47-1	96
4	Cyclopropa[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	95
5	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	93





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Data File : VU031663.D
Acq On : 01 May 2019 03:21
Operator : JC/SP
Sample : K2604-06 5X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ80

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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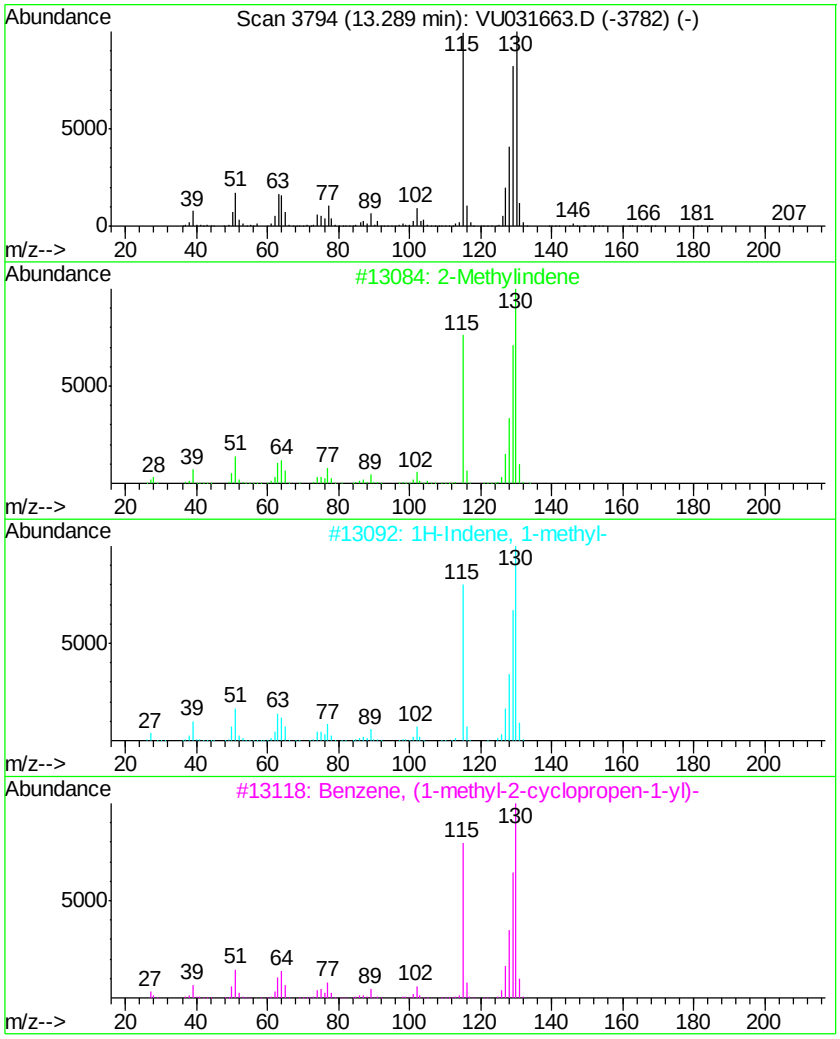
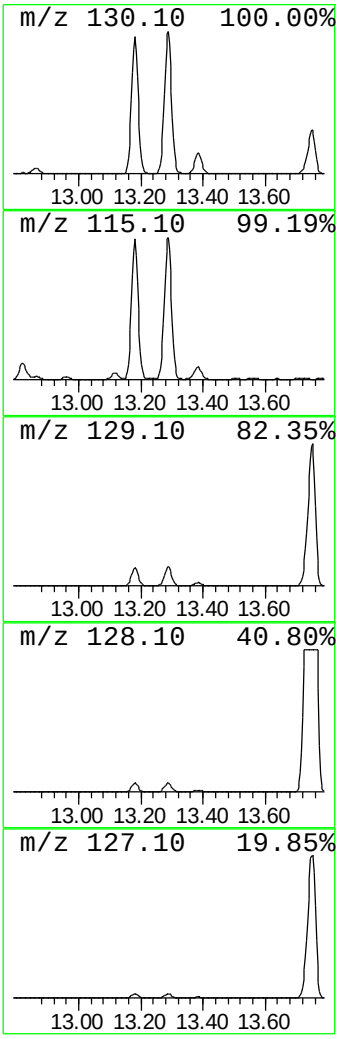
Peak Number 26 2-Methylindene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	193.98 ug/L	11333100	1,4-Dichlorobenzene-d4	11.48

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031663.D
Acq On : 01 May 2019 03:21
Operator : JC/SP
Sample : K2604-06 5X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ80

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

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

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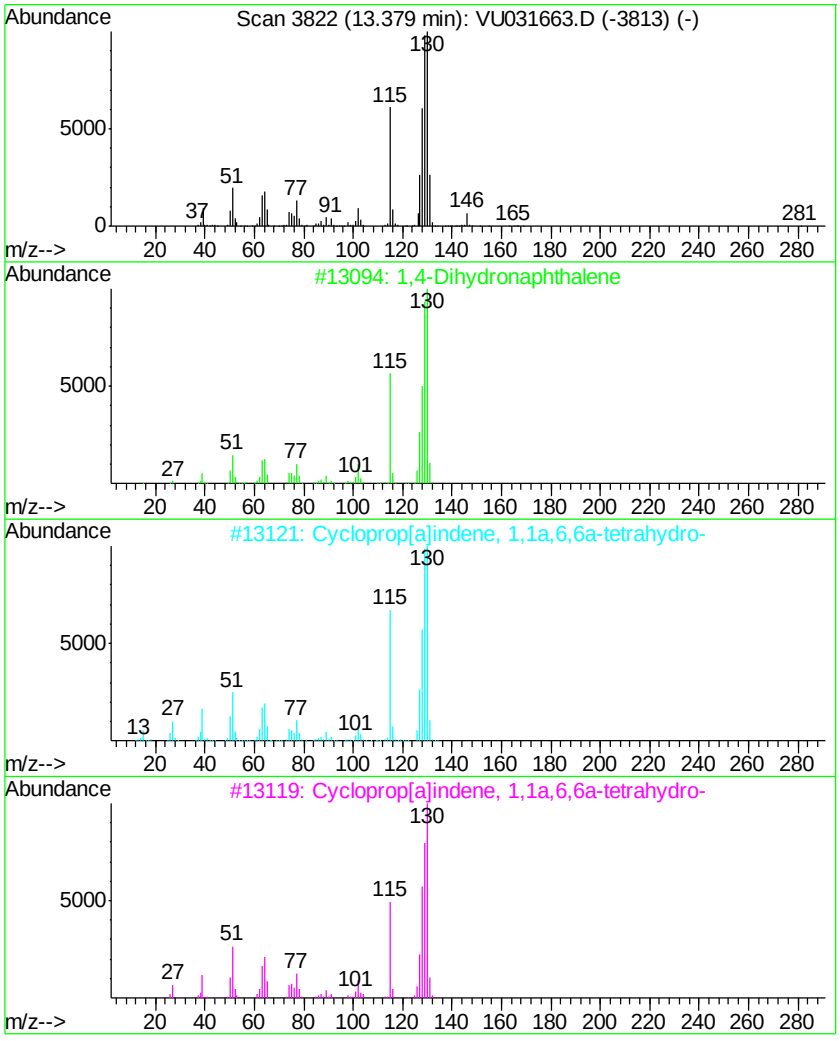
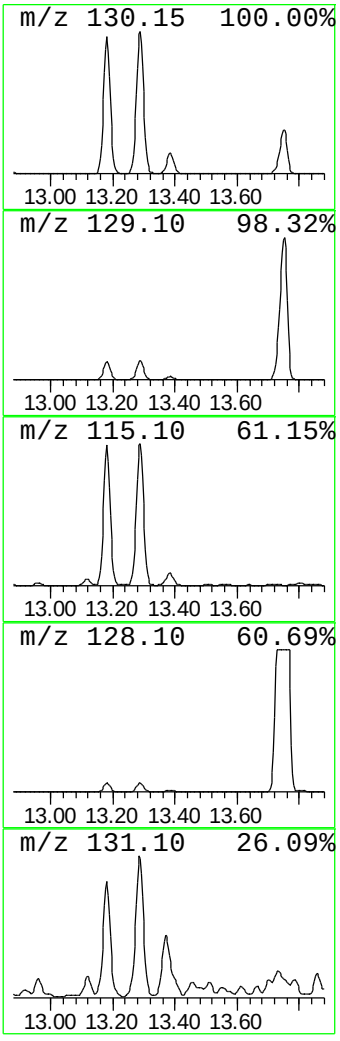
Peak Number 27 1,4-Dihydronaphthalene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	31.47 ug/L	1838630	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	96
2	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	96
3	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	94
4	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	93
5	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031663.D
Acq On : 01 May 2019 03:21
Operator : JC/SP
Sample : K2604-06 5X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ80

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

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

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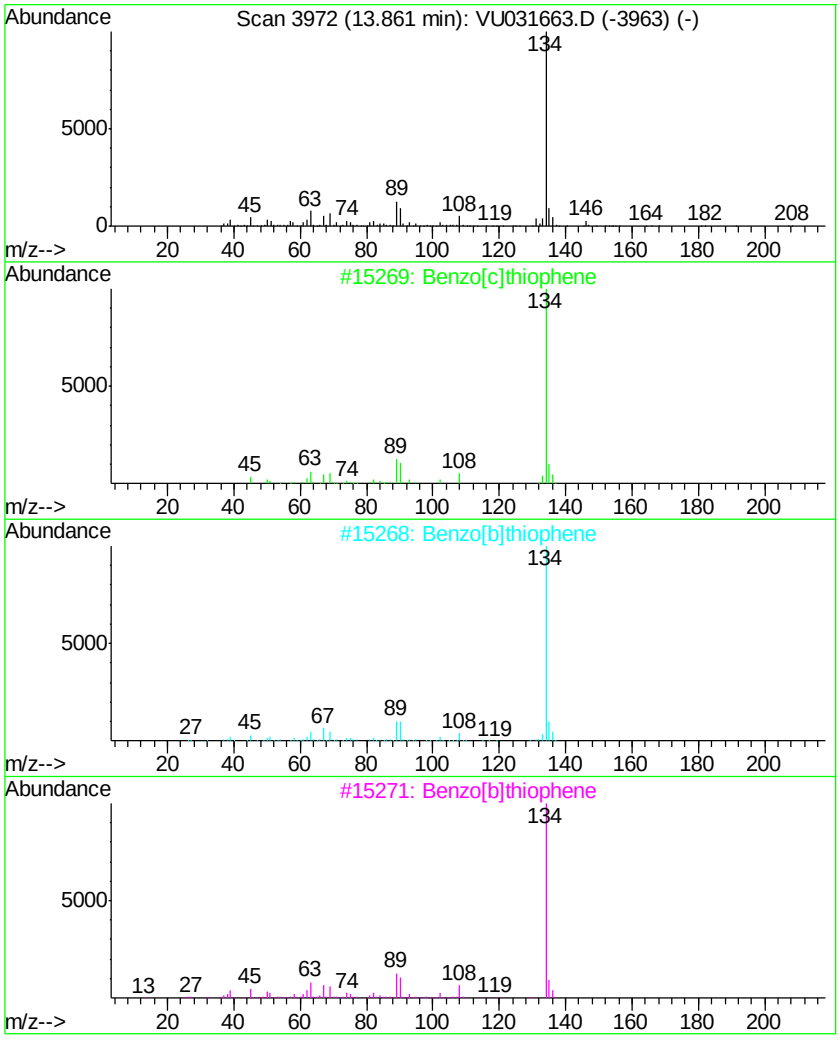
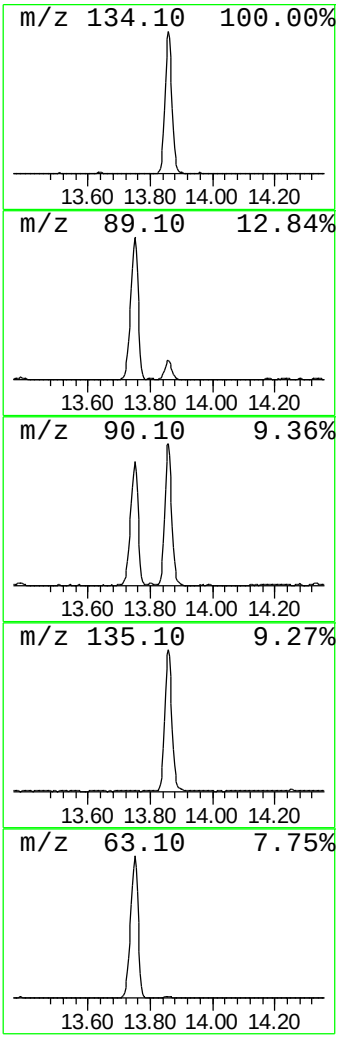
Peak Number 29 Benzo[c]thiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	44.36 ug/L	2591740	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]thiophene	134	C8H6S	000270-82-6	97
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	95
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
4	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031663.D
Acq On : 01 May 2019 03:21
Operator : JC/SP
Sample : K2604-06 5X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ80

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

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

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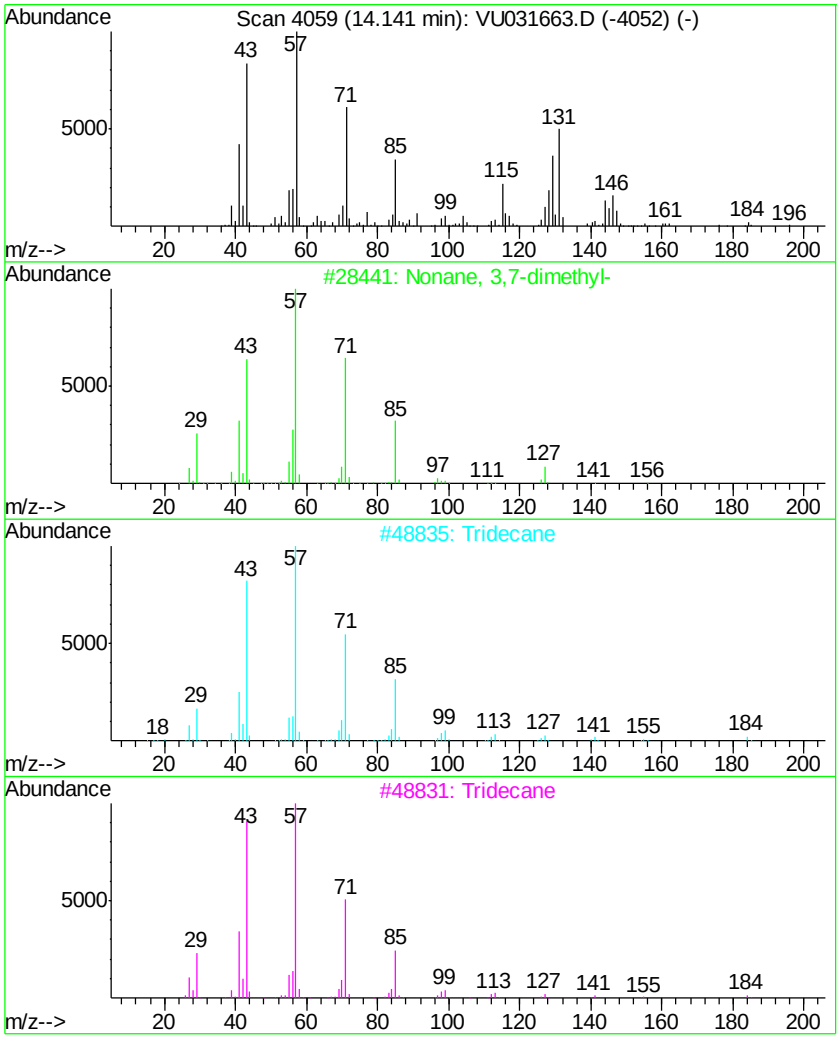
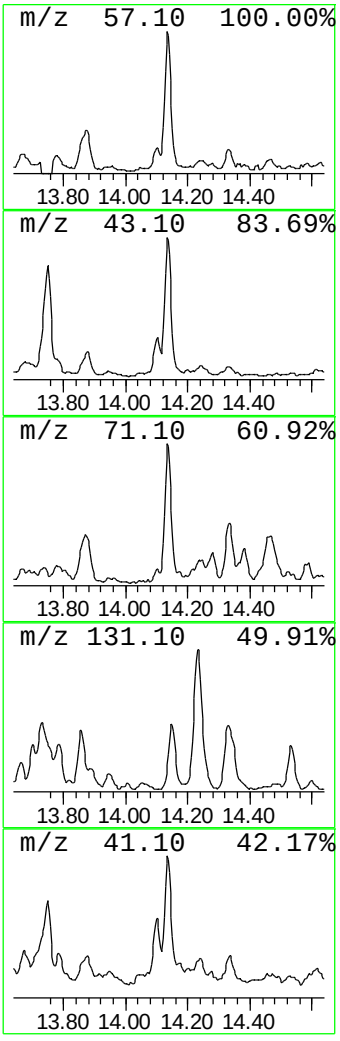
Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	7.83 ug/L	457383	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	55
2	Tridecane	184	C13H28	000629-50-5	50
3	Tridecane	184	C13H28	000629-50-5	50
4	Decane, 3-methyl-	156	C11H24	013151-34-3	46
5	4-Octanone	128	C8H16O	000589-63-9	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031663.D
Acq On : 01 May 2019 03:21
Operator : JC/SP
Sample : K2604-06 5X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ80

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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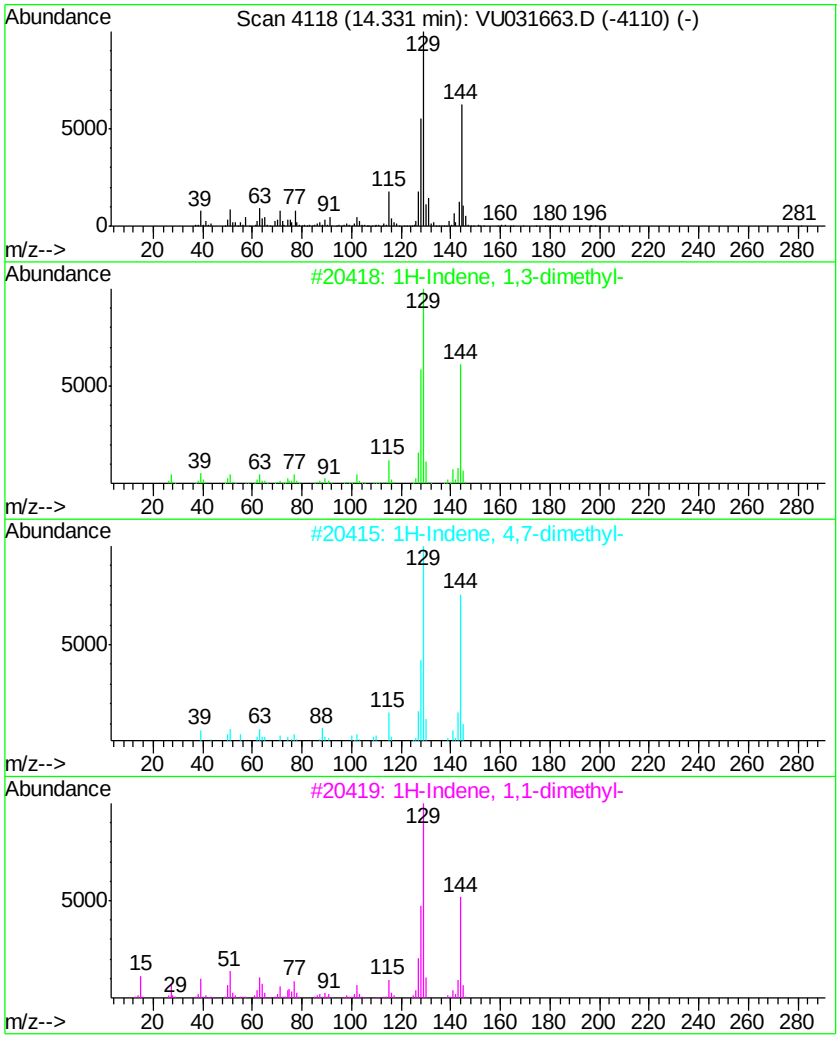
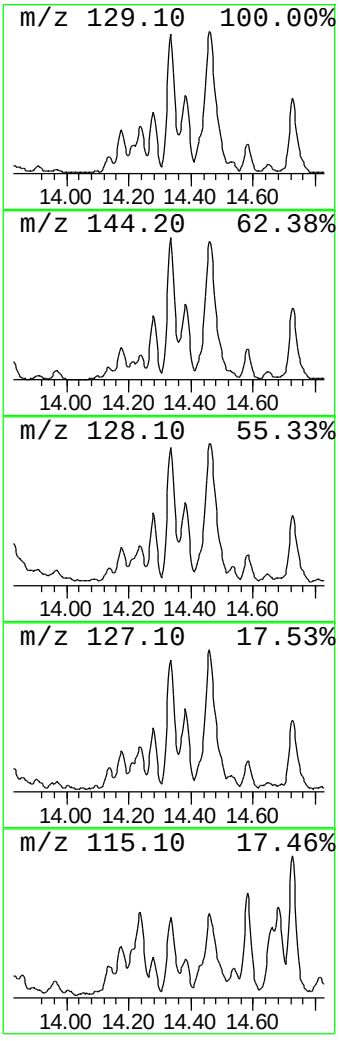
Peak Number 31 1H-Indene, 1,3-dimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	26.92 ug/L	1572590	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	94
2	1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	93
3	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	93
4	1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	91
5	2-Ethyl-1-H-indene	144	C11H12	017059-50-6	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031663.D
Acq On : 01 May 2019 03:21
Operator : JC/SP
Sample : K2604-06 5X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ80

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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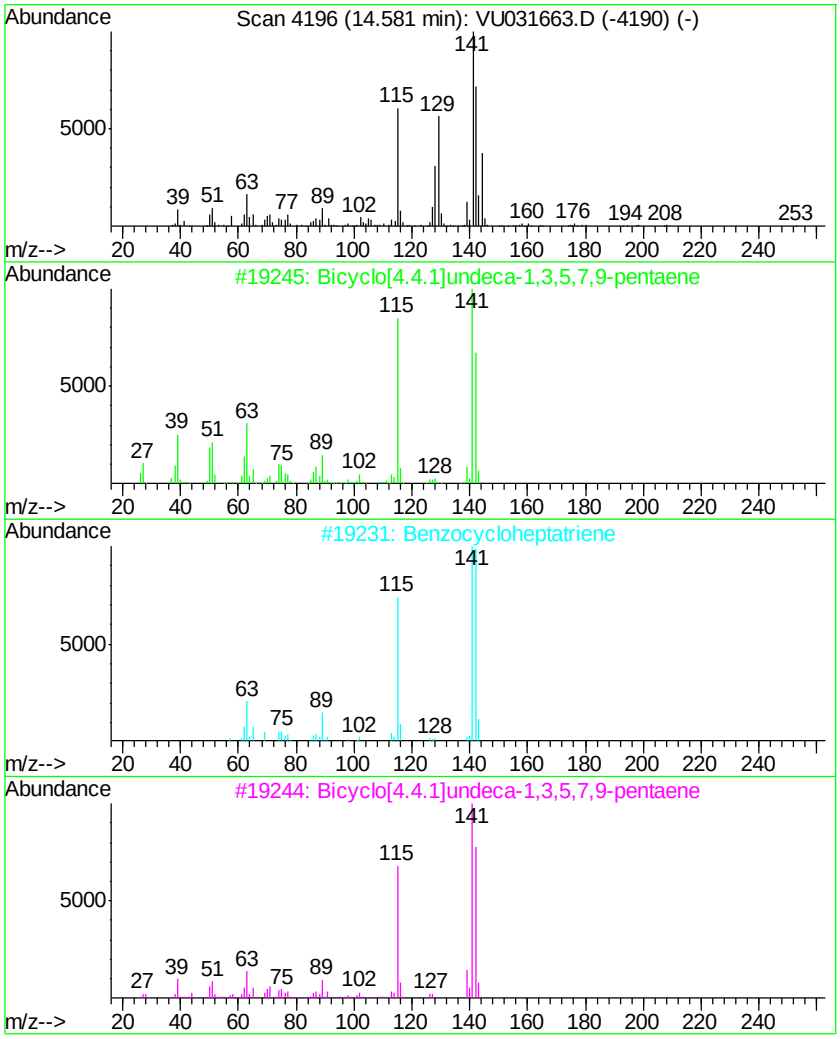
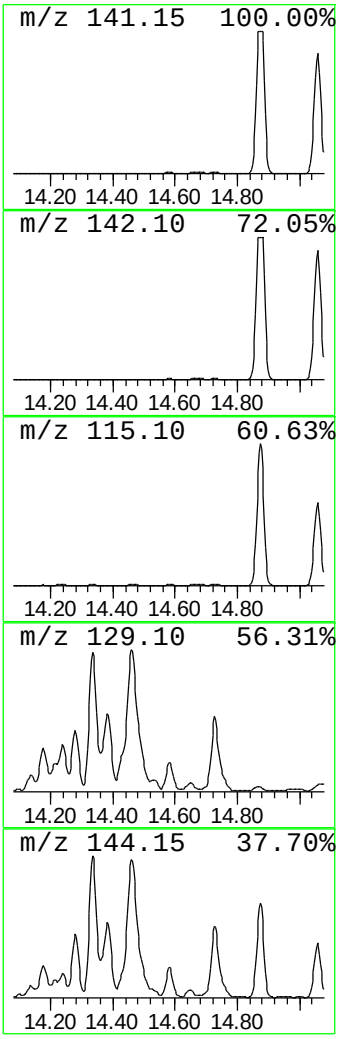
Peak Number 33 Bicyclo[4.4.1]undeca-1,3,5,... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.58	10.53 ug/L	615416	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	91
2	Benzocycloheptatriene	142	C11H10	000264-09-5	90
3	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	83
4	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	64
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031663.D
Acq On : 01 May 2019 03:21
Operator : JC/SP
Sample : K2604-06 5X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ80

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

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

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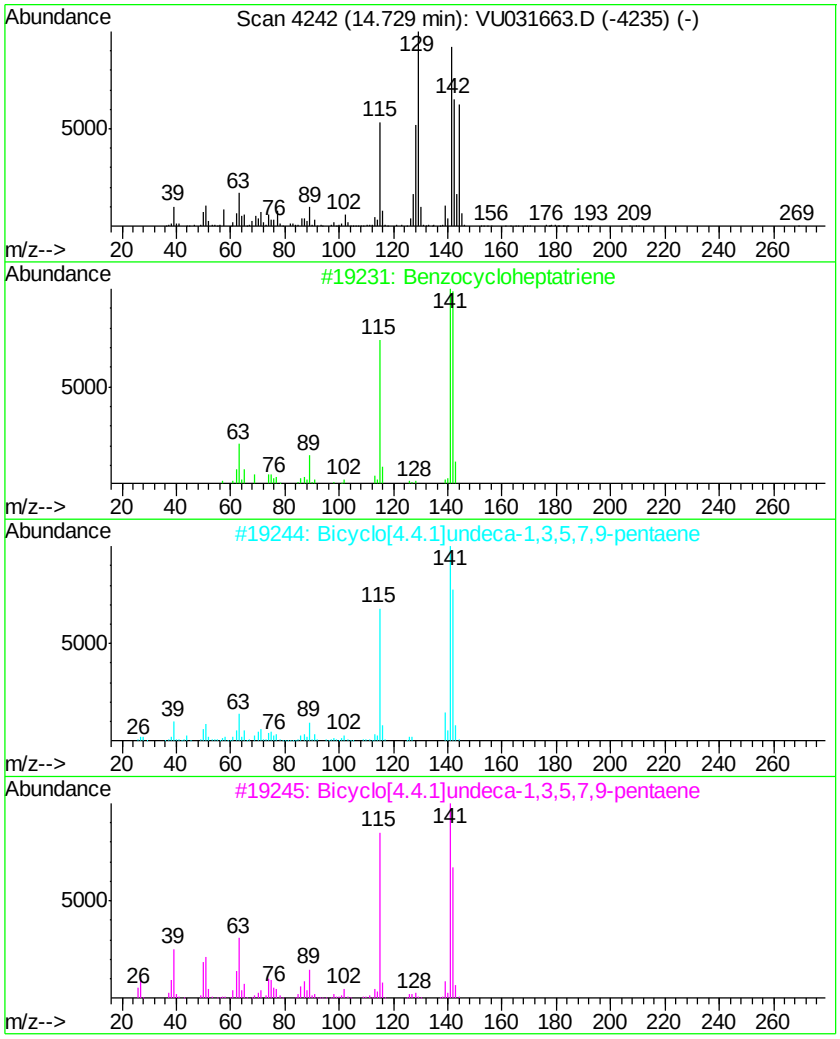
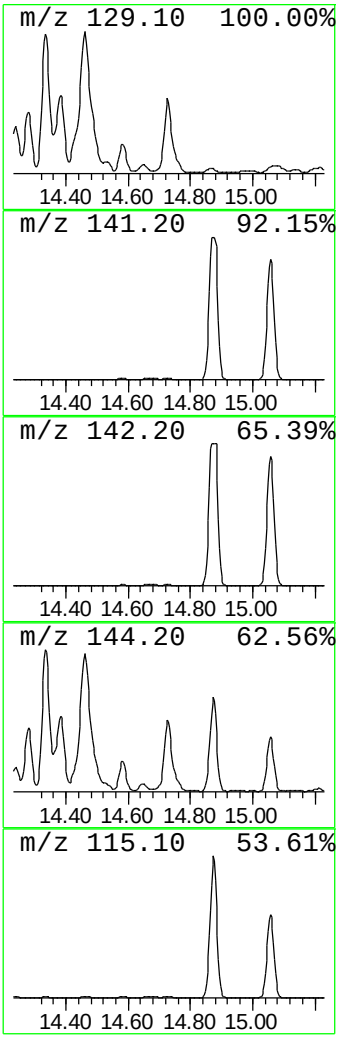
Peak Number 34 Benzocycloheptatriene Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	22.57 ug/L	1318900	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzocycloheptatriene	142	C11H10	000264-09-5	94
2	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	89
3	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	87
4	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	70
5	1H-Indene, 1-ethenyl-2,3-dihydro-	144	C11H12	051783-46-1	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031663.D
Acq On : 01 May 2019 03:21
Operator : JC/SP
Sample : K2604-06 5X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ80

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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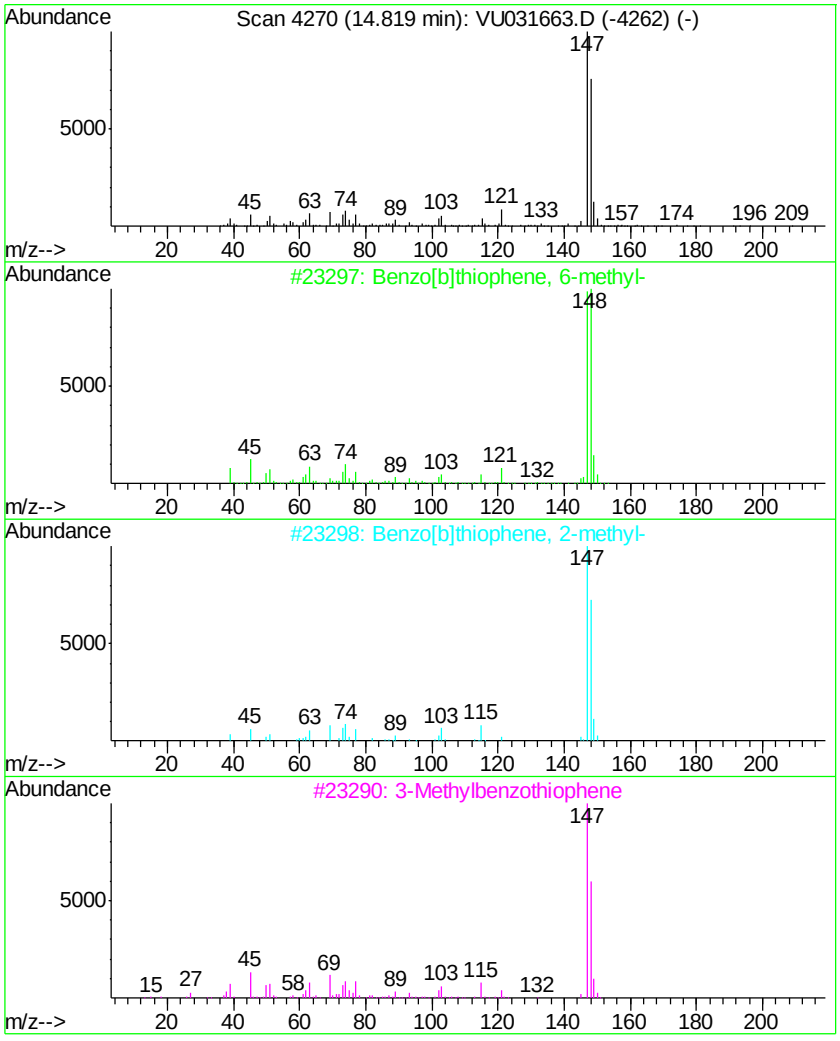
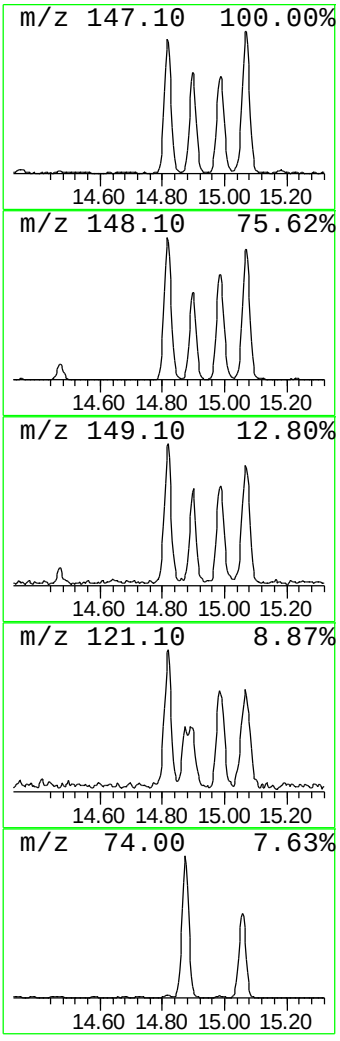
Peak Number 35 Benzo[b]thiophene, 6-methyl- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	10.04 ug/L	586604	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, 2-methyl-	148	C9H8S	001195-14-8	91
3	3-Methylbenzothiophene	148	C9H8S	001455-18-1	91
4	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	91
5	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031663.D
Acq On : 01 May 2019 03:21
Operator : JC/SP
Sample : K2604-06 5X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ80

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, 2-propenyl-	10.51	6.2	ug/L	364763	3	11.48	2921190	50.0
Benzene, propyl-	10.58	7.7	ug/L	450038	3	11.48	2921190	50.0
Benzene, 1-ethyl-...	10.68	42.4	ug/L	2479620	3	11.48	2921190	50.0
.alpha.-Methylsty...	10.99	35.8	ug/L	2089510	3	11.48	2921190	50.0
Benzene, 1,2,3-tr...	11.14	141.3	ug/L	8252230	3	11.48	2921190	50.0
Benzene, 1-etheny...	11.21	220.9	ug/L	12903900	3	11.48	2921190	50.0
Benzene, cyclopro...	11.26	80.2	ug/L	4684750	3	11.48	2921190	50.0
Benzofuran	11.40	2.8	ug/L	162423	3	11.48	2921190	50.0
Bicyclo[4.2.0]oct...	11.62	31.1	ug/L	1816020	3	11.48	2921190	50.0
Indane	11.76	32.6	ug/L	1904000	3	11.48	2921190	50.0
Indene	11.98	820.3	ug/L	47923500	3	11.48	2921190	50.0
Benzene, 4-ethyl-...	12.14	5.6	ug/L	327161	3	11.48	2921190	50.0
Benzene, 1-methyl...	12.22	12.5	ug/L	728979	3	11.48	2921190	50.0
Benzene, (2-methy...	12.42	53.6	ug/L	3134360	3	11.48	2921190	50.0
Benzene, 2-etheny...	12.48	14.2	ug/L	829554	3	11.48	2921190	50.0
Benzene, 1,2,4,5-...	12.65	8.9	ug/L	522070	3	11.48	2921190	50.0
Benzene, 1-ethyl-...	12.70	48.2	ug/L	2816390	3	11.48	2921190	50.0
Benzene, 1-etheny...	12.82	41.7	ug/L	2433960	3	11.48	2921190	50.0
Benzene, 1-etheny...	12.96	9.0	ug/L	528213	3	11.48	2921190	50.0
1-Dodecanol	13.08	4.9	ug/L	286265	3	11.48	2921190	50.0
o-Cymene	13.12	44.6	ug/L	2603240	3	11.48	2921190	50.0
Benzene, (1-methy...	13.18	167.0	ug/L	9757630	3	11.48	2921190	50.0
2-Methylindene	13.29	194.0	ug/L	11333100	3	11.48	2921190	50.0
1,4-Dihydronaphth...	13.38	31.5	ug/L	1838630	3	11.48	2921190	50.0
Benzo[c]thiophene	13.86	44.4	ug/L	2591740	3	11.48	2921190	50.0
(DEL) Alkane: Str...	14.14	7.8	ug/L	457383	3	11.48	2921190	50.0
1H-Indene, 1,3-di...	14.33	26.9	ug/L	1572590	3	11.48	2921190	50.0
Bicyclo[4.4.1]und...	14.58	10.5	ug/L	615416	3	11.48	2921190	50.0
Benzocycloheptatr...	14.73	22.6	ug/L	1318900	3	11.48	2921190	50.0
Benzo[b]thiophene...	14.82	10.0	ug/L	586604	3	11.48	2921190	50.0