LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050119\
Data File : VU031692.D
Acq On : 01 May 2019 18:12
Operator : JC/SP
Sample : K2603-08
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ60

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.180	23	28	36	rBV3	13750	15309	0.01%	0.003%
2	1.293	59	63	67	rVB2	14630	11815	0.01%	0.003%
3	1.396	88	95	117	rBV	277370	405828	0.23%	0.090%
4	1.650	166	174	177	rBV	55846	76949	0.04%	0.017%
5	1.679	177	183	199	rVB	178194	324195	0.18%	0.072%
6	2.244	347	359	375	rBV	610897	1010889	0.57%	0.225%
7	2.698	488	500	511	rBV7	9922	24656	0.01%	0.005%
8	4.209	955	970	1025	rBV2	191272	1121031	0.63%	0.250%
9	4.643	1088	1105	1137	rBV	487027	1366524	0.77%	0.304%
10	5.328	1296	1318	1363	rBV2	1233143	3639829	2.06%	0.811%
11	5.624	1399	1410	1416	rBV2	6105	12998	0.01%	0.003%
12	5.881	1475	1490	1547	rBV	1073755	2616977	1.48%	0.583%
13	6.183	1572	1584	1594	rVV	13741	31237	0.02%	0.007%
14	6.257	1601	1607	1615	rBV9	5229	9258	0.01%	0.002%
15	6.328	1615	1629	1662	rVB	724062	1693278	0.96%	0.377%
16	6.900	1795	1807	1808	rBV6	4503	6293	0.00%	0.001%
17	7.228	1897	1909	1940	rBV	368511	847448	0.48%	0.189%
18	7.563	1997	2013	2032	rBV	1317471	2683830	1.52%	0.598%
19	7.855	2093	2104	2131	rVB	223259	544096	0.31%	0.121%
20	8.225	2210	2219	2228	rVB7	7999	14352	0.01%	0.003%
21	8.347	2240	2257	2293	rBV	910337	2577636	1.46%	0.574%
22	8.595	2326	2334	2340	rBV	5048	7763	0.00%	0.002%
23	8.910	2422	2432	2441	rBV5	13366	21390	0.01%	0.005%
24	9.029	2462	2469	2476	rVV3	9927	16642	0.01%	0.004%
25	9.093	2476	2489	2523	rVV	1524830	3169924	1.79%	0.706%
26	9.251	2525	2538	2564	rVV	2107374	3945692	2.23%	0.879%
27	9.379	2566	2578	2591	rVV	1167085	2218400	1.25%	0.494%
28	9.440	2592	2597	2614	rVB3	99012	174027	0.10%	0.039%
29	9.566	2623	2636	2644	rBV3	11051	21699	0.01%	0.005%
30	9.649	2656	2662	2666	rBV8	4219	6168	0.00%	0.001%
31	9.720	2671	2684	2689	rVV8	17756	37432	0.02%	0.008%
32	9.781	2691	2703	2736	rVB	1916003	3500604	1.98%	0.780%
33	9.948	2737	2755	2764	rBV5	51665	101199	0.06%	0.023%
34	10.042	2776	2784	2795	rBV8	35016	64124	0.04%	0.014%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050119\
Data File : VU031692.D
Acq On : 01 May 2019 18:12
Operator : JC/SP
Sample : K2603-08
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ60

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

35	10.170	2813	2824	2834	rBV	115482	210310	0.12%	0.047%
36	10.321	2858	2871	2876	rBV5	44008	87474	0.05%	0.019%
37	10.440	2895	2908	2921	rBV	1098061	1915450	1.08%	0.427%
38	10.591	2944	2955	2974	rBV	166352	308086	0.17%	0.069%
39	10.707	2975	2991	3000	rVV	551293	1144623	0.65%	0.255%
40	10.771	3001	3011	3019	rVV	1191416	1976302	1.12%	0.440%
41	10.810	3019	3023	3046	rVB	457595	659966	0.37%	0.147%
42	10.974	3064	3074	3077	rBV	308725	453455	0.26%	0.101%
43	11.067	3095	3103	3109	rBV7	25921	40208	0.02%	0.009%
44	11.148	3109	3128	3141	rBV	3768334	6017672	3.40%	1.341%
45	11.218	3142	3150	3159	rVB	258934	383618	0.22%	0.085%
46	11.270	3159	3166	3176	rBV2	68925	111624	0.06%	0.025%
47	11.331	3178	3185	3194	rVB7	87597	148723	0.08%	0.033%
48	11.402	3196	3207	3222	rBV5	216836	543376	0.31%	0.121%
49	11.485	3222	3233	3244	rBV	1862611	2938027	1.66%	0.655%
50	11.569	3250	3259	3268	rBV	1295323	1959391	1.11%	0.437%
51	11.627	3268	3277	3293	rVB	1008981	1619304	0.91%	0.361%
52	11.697	3294	3299	3308	rVB4	65184	96235	0.05%	0.021%
53	11.765	3309	3320	3329	rBV	1056769	1751332	0.99%	0.390%
54	11.861	3340	3350	3367	rVB2	1812754	3210842	1.81%	0.715%
55	11.980	3374	3387	3397	rBV	18601235	28514061	16.10%	6.353%
56	12.148	3431	3439	3441	rBV	158238	204516	0.12%	0.046%
57	12.247	3455	3470	3478	rBV4	303196	694417	0.39%	0.155%
58	12.353	3497	3503	3518	rBV5	175105	288500	0.16%	0.064%
59	12.427	3520	3526	3536	rVB4	148198	240151	0.14%	0.054%
60	12.508	3538	3551	3557	rBV8	123275	255906	0.14%	0.057%
61	12.604	3572	3581	3587	rBV3	280668	503637	0.28%	0.112%
62	12.646	3587	3594	3602	rVV2	406785	641972	0.36%	0.143%
63	12.701	3602	3611	3629	rVV	1004185	2004272	1.13%	0.447%
64	12.832	3643	3652	3660	rBV7	264715	492752	0.28%	0.110%
65	12.961	3684	3692	3706	rVB	370110	557098	0.31%	0.124%
66	13.032	3708	3714	3723	rVV10	79213	124251	0.07%	0.028%
67	13.119	3731	3741	3751	rBV2	2129173	3400914	1.92%	0.758%
68	13.183	3751	3761	3773	rVB	3555380	5504275	3.11%	1.226%
69	13.289	3782	3794	3812	rBV2	4271024	7239143	4.09%	1.613%
70	13.385	3815	3824	3838	rVB2	614973	1160048	0.66%	0.258%
71	13.456	3841	3846	3853	rVB2	143105	181750	0.10%	0.040%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050119\
Data File : VU031692.D
Acq On : 01 May 2019 18:12
Operator : JC/SP
Sample : K2603-08
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ60

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	13.508	3855	3862	3868	rBV3	182975	276121	0.16%	0.062%
73	13.752	3920	3938	3961	rVV2	94835687	177060792	100.00%	39.448%
74	13.858	3962	3971	3992	rVB	1562266	2739573	1.55%	0.610%
75	14.138	4050	4058	4065	rBV2	424107	726683	0.41%	0.162%
76	14.276	4098	4101	4109	rVB3	282207	342010	0.19%	0.076%
77	14.334	4110	4119	4128	rBV5	663483	1238711	0.70%	0.276%
78	14.729	4236	4242	4245	rBV2	169155	225049	0.13%	0.050%
79	14.816	4262	4269	4275	rBV	359065	527839	0.30%	0.118%
80	14.874	4275	4287	4303	rVB2	40450953	62893069	35.52%	14.012%
81	14.987	4315	4322	4331	rBV	181448	294648	0.17%	0.066%
82	15.057	4332	4344	4360	rBV	23701531	37285551	21.06%	8.307%
83	15.601	4503	4513	4525	rVB	4005966	6035390	3.41%	1.345%
84	15.665	4526	4533	4541	rVB2	303370	459327	0.26%	0.102%
85	15.794	4564	4573	4581	rBV	1828945	2687129	1.52%	0.599%
86	15.906	4597	4608	4635	rBV	5009987	8892240	5.02%	1.981%
87	16.054	4643	4654	4661	rBV	6512344	10590450	5.98%	2.359%
88	16.093	4661	4666	4681	rVB	3409974	4942315	2.79%	1.101%
89	16.279	4706	4724	4747	rVB2	1817827	4746960	2.68%	1.058%
90	16.427	4760	4770	4783	rBV	1068821	1695841	0.96%	0.378%
91	16.517	4787	4798	4817	rVV	4885609	8624939	4.87%	1.922%
92	16.626	4826	4832	4843	rVB3	437871	684143	0.39%	0.152%
93	16.733	4855	4865	4872	rBV	875249	1490495	0.84%	0.332%
94	16.864	4901	4906	4915	rVB2	134476	191519	0.11%	0.043%
95	16.964	4931	4937	4945	rVB2	495477	706137	0.40%	0.157%
96	17.016	4945	4953	4977	rVB3	613688	1422469	0.80%	0.317%
97	17.160	4990	4998	5009	rVB	498458	813379	0.46%	0.181%
98	17.225	5010	5018	5029	rVV	291047	464746	0.26%	0.104%
99	17.360	5056	5060	5086	rVB4	244094	551523	0.31%	0.123%
100	17.527	5103	5112	5126	rBV3	170963	334252	0.19%	0.074%

Sum of corrected areas: 448846473

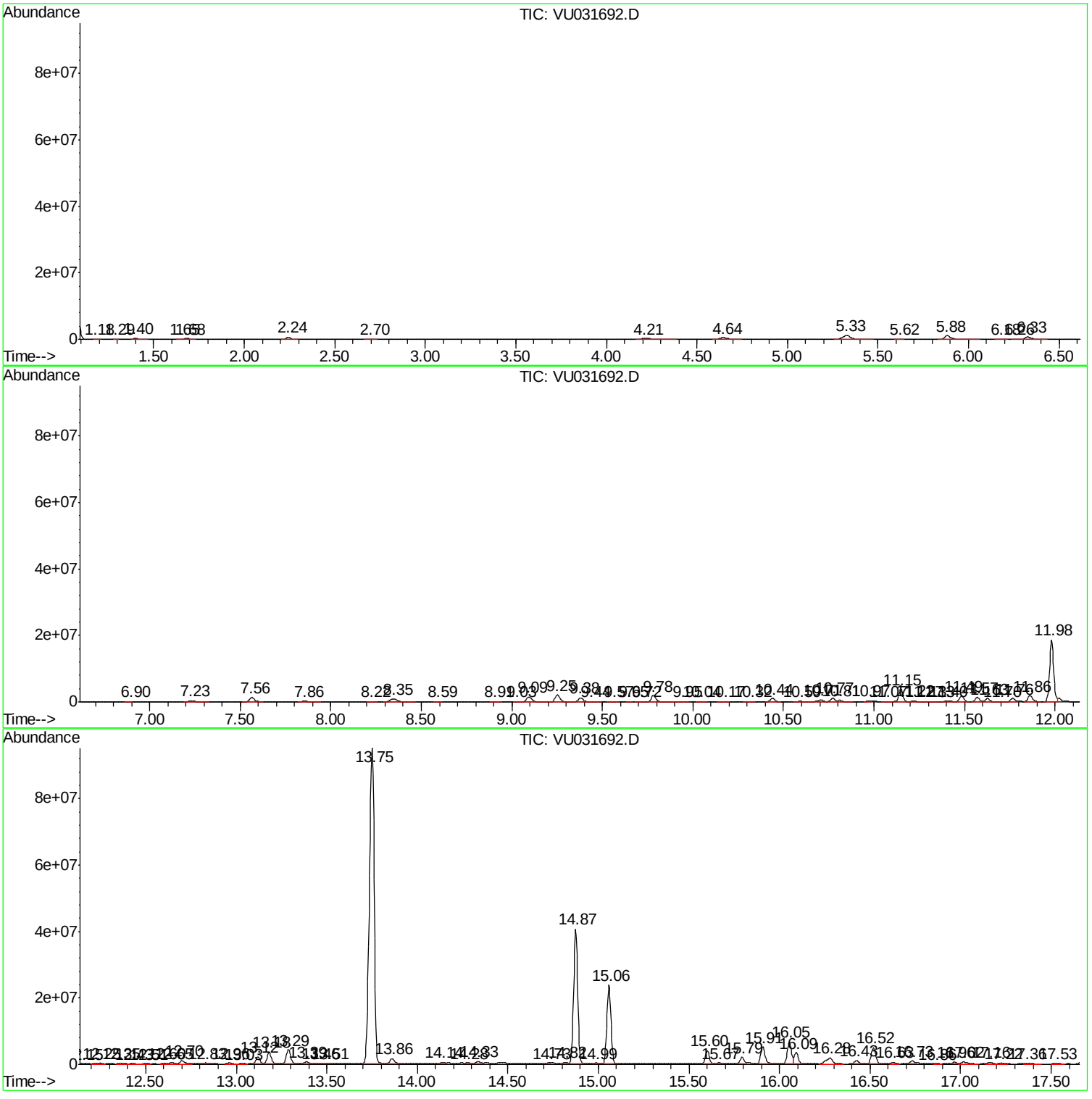
LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050119\
Data File : VU031692.D
Acq On : 01 May 2019 18:12
Operator : JC/SP
Sample : K2603-08
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ60

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\VU050119\
Data File : VU031692.D
Acq On : 01 May 2019 18:12
Operator : JC/SP
Sample : K2603-08
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ60

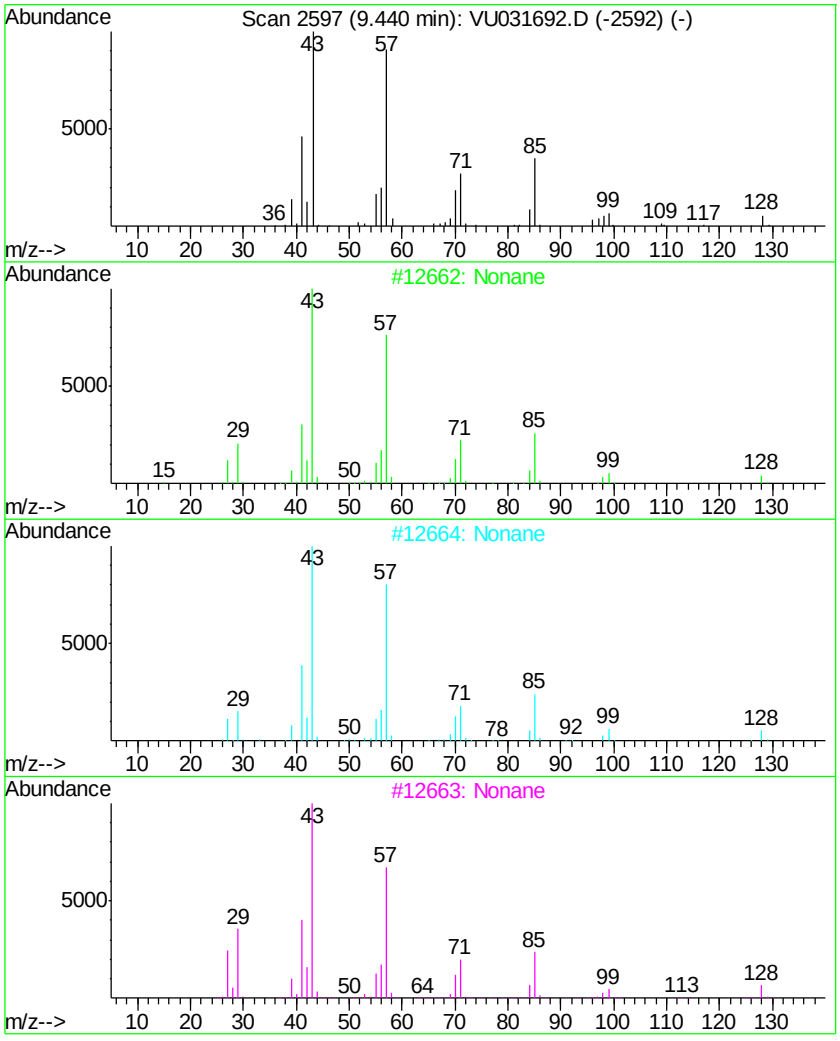
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

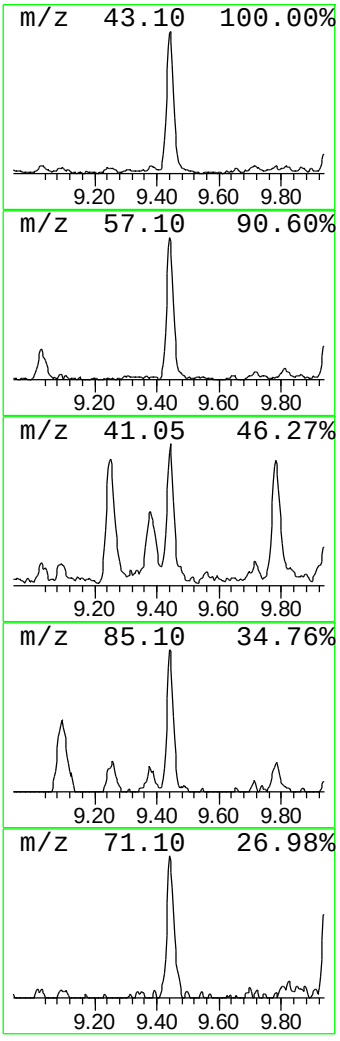
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	2.74 ug/L	174027	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	91
2	Nonane	128	C9H20	000111-84-2	87
3	Nonane	128	C9H20	000111-84-2	78
4	Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1000309-37-4	53
5	Octane	114	C8H18	000111-65-9	53





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050119\
Data File : VU031692.D
Acq On : 01 May 2019 18:12
Operator : JC/SP
Sample : K2603-08
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ60

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

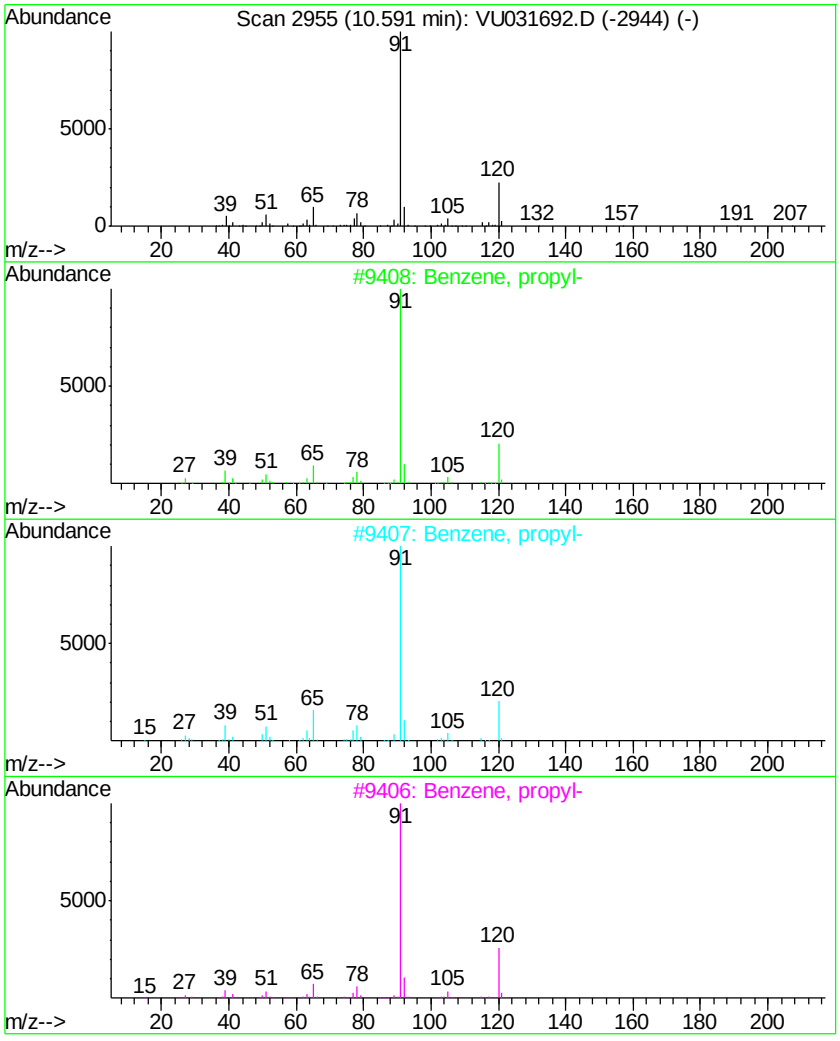
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

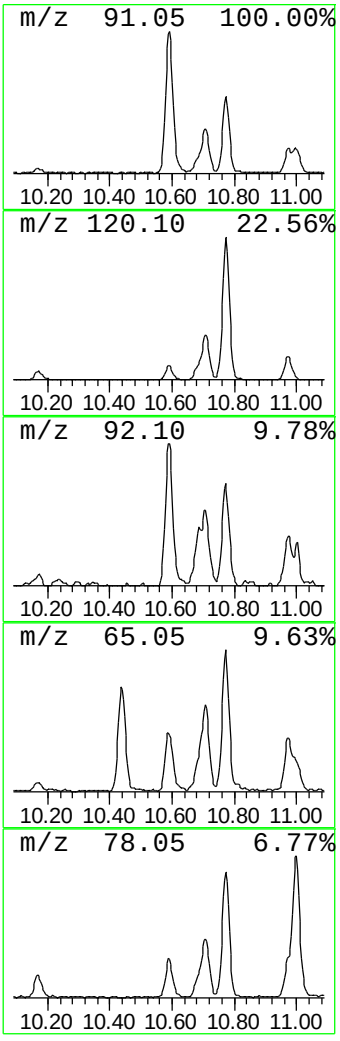
****

Peak Number 3 Benzene, propyl- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	5.24 ug/L	308086	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	90
2	Benzene, propyl-	120	C9H12	000103-65-1	90
3	Benzene, propyl-	120	C9H12	000103-65-1	87
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	83
5	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	78





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050119\
Data File : VU031692.D
Acq On : 01 May 2019 18:12
Operator : JC/SP
Sample : K2603-08
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ60

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

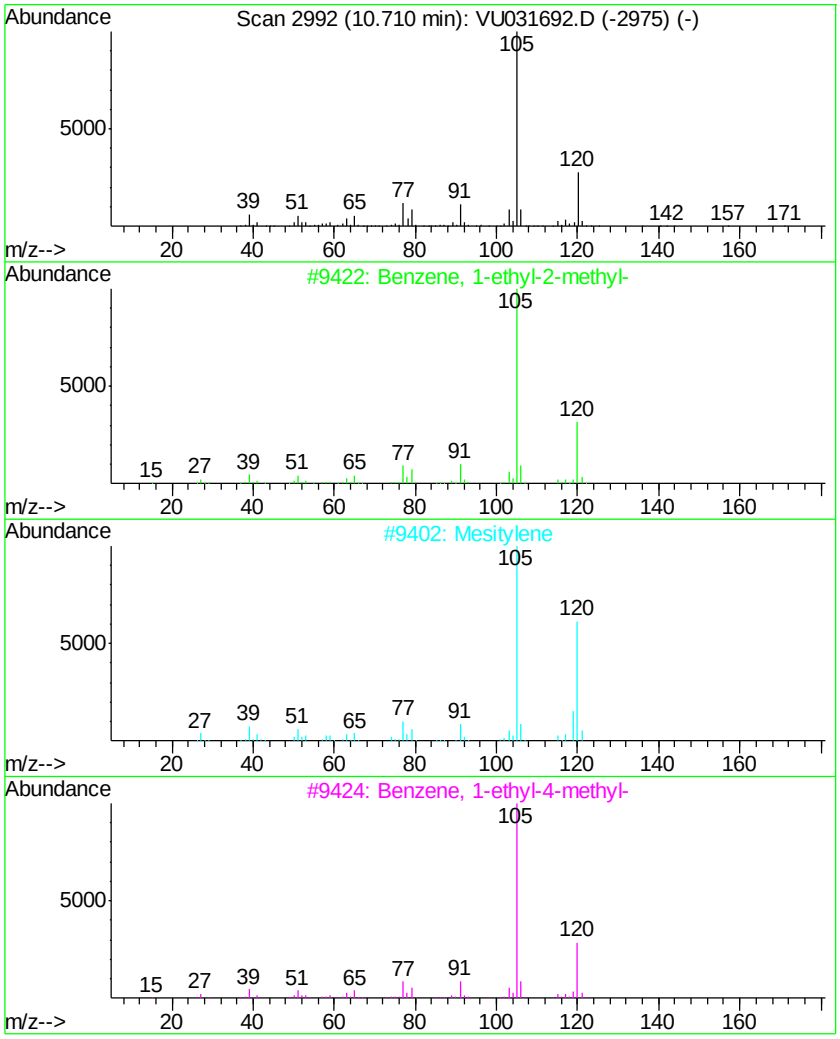
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

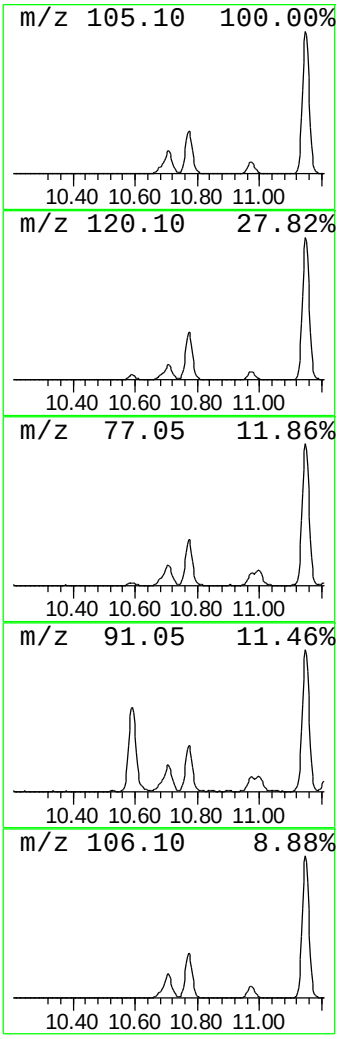
****

Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.71	19.48 ug/L	1144620	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Mesitylene	120	C9H12	000108-67-8	91
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050119\
Data File : VU031692.D
Acq On : 01 May 2019 18:12
Operator : JC/SP
Sample : K2603-08
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ60

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

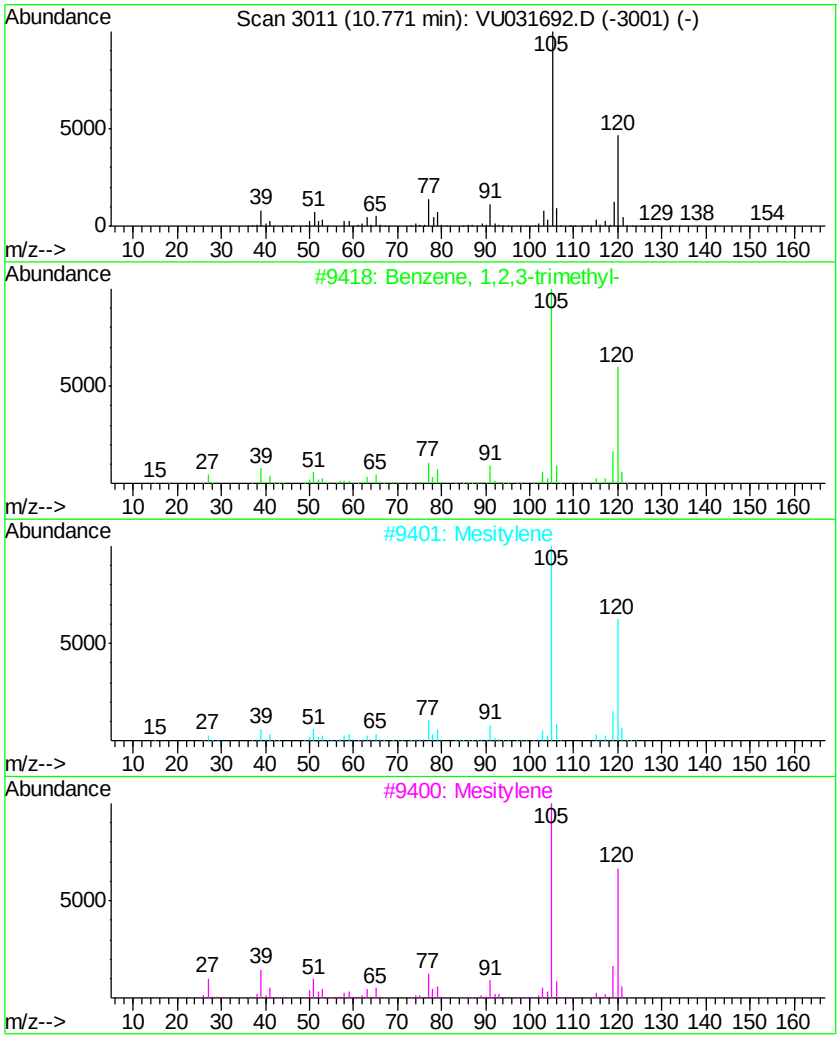
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

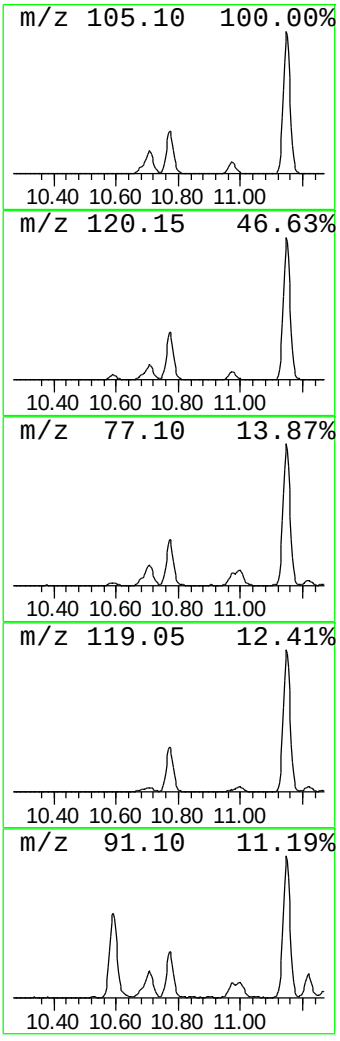
****

Peak Number 5 Benzene, 1,2,3-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	33.63 ug/L	1976300	1,4-Dichlorobenzene-d4	11.49

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050119\
Data File : VU031692.D
Acq On : 01 May 2019 18:12
Operator : JC/SP
Sample : K2603-08
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ60

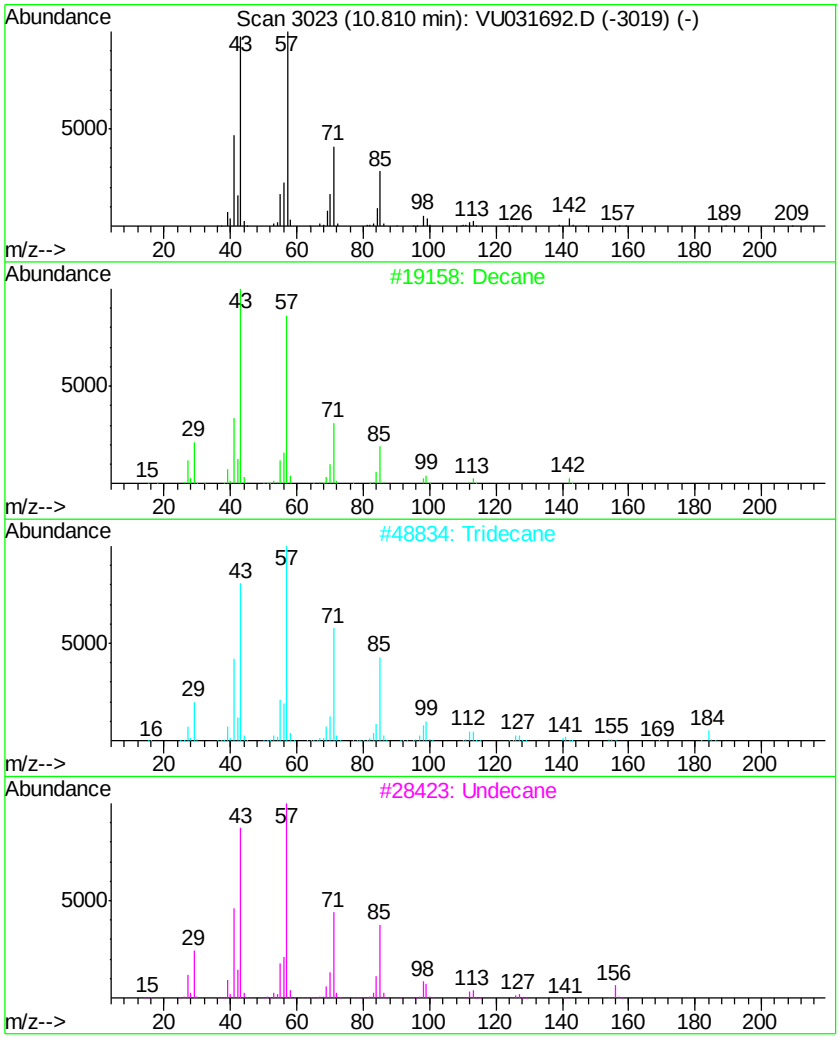
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

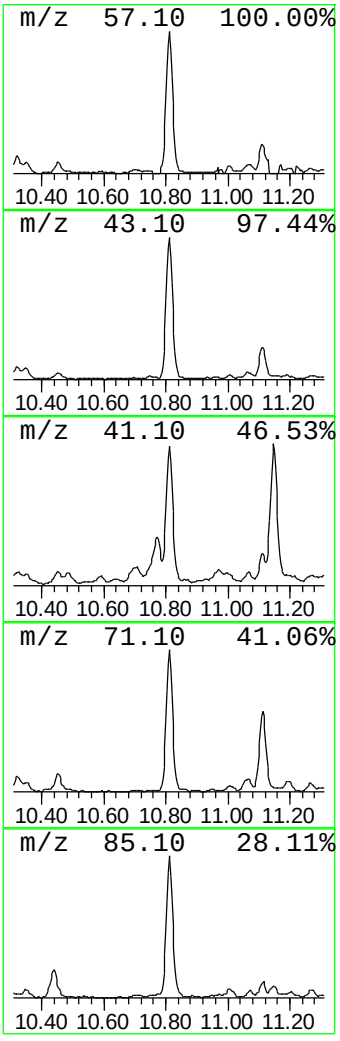
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	11.23 ug/L	659966	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	87
2	Tridecane	184	C13H28	000629-50-5	83
3	Undecane	156	C11H24	001120-21-4	83
4	Dodecane	170	C12H26	000112-40-3	78
5	Undecane	156	C11H24	001120-21-4	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050119\
Data File : VU031692.D
Acq On : 01 May 2019 18:12
Operator : JC/SP
Sample : K2603-08
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ60

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

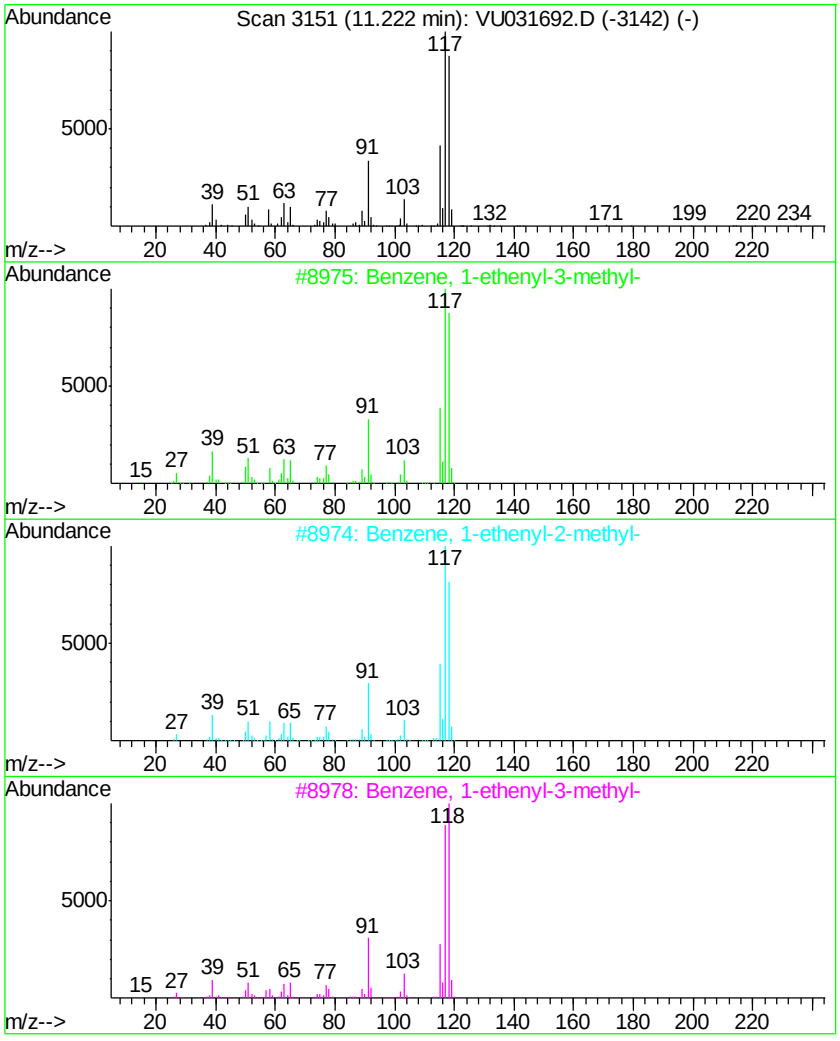
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

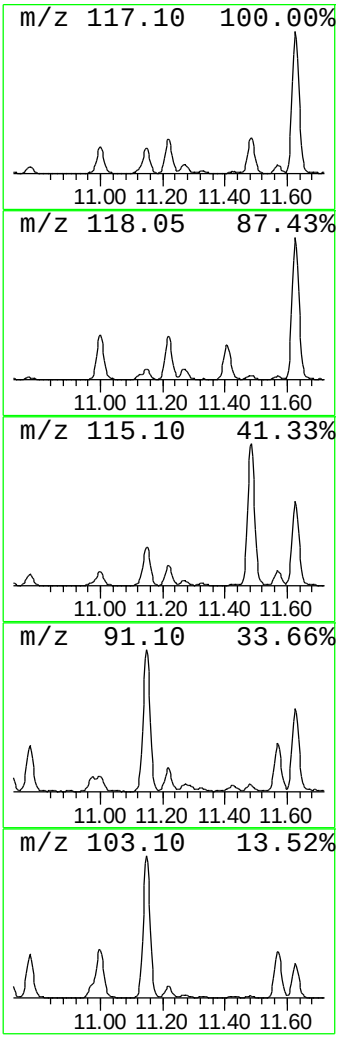
****

Peak Number 9 Benzene, 1-ethenyl-3-methyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	6.53 ug/L	383618	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	96
3	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
5	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	94





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Data File : VU031692.D
Acq On : 01 May 2019 18:12
Operator : JC/SP
Sample : K2603-08
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ60

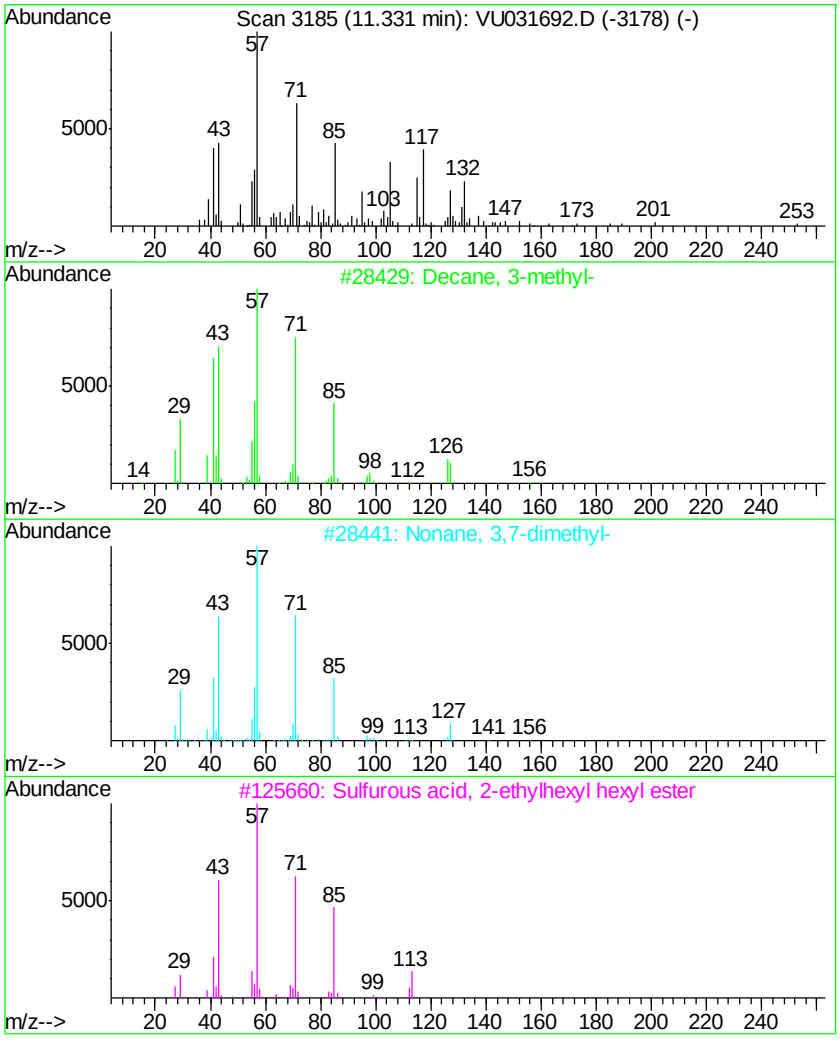
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

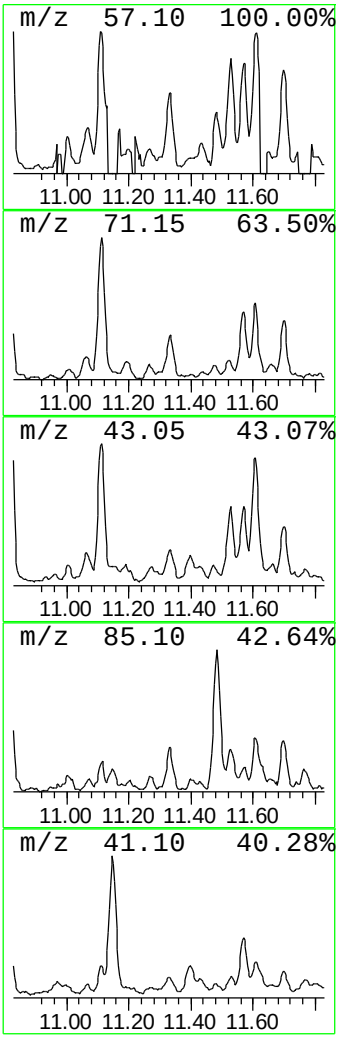
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.33	2.53 ug/L	148723	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	38
2	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	35
3	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	27
4	Dodecane, 3-methyl-	184	C13H28	017312-57-1	27
5	Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	27





Library Search Compound Report

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Data File : VU031692.D
Acq On : 01 May 2019 18:12
Operator : JC/SP
Sample : K2603-08
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ60

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

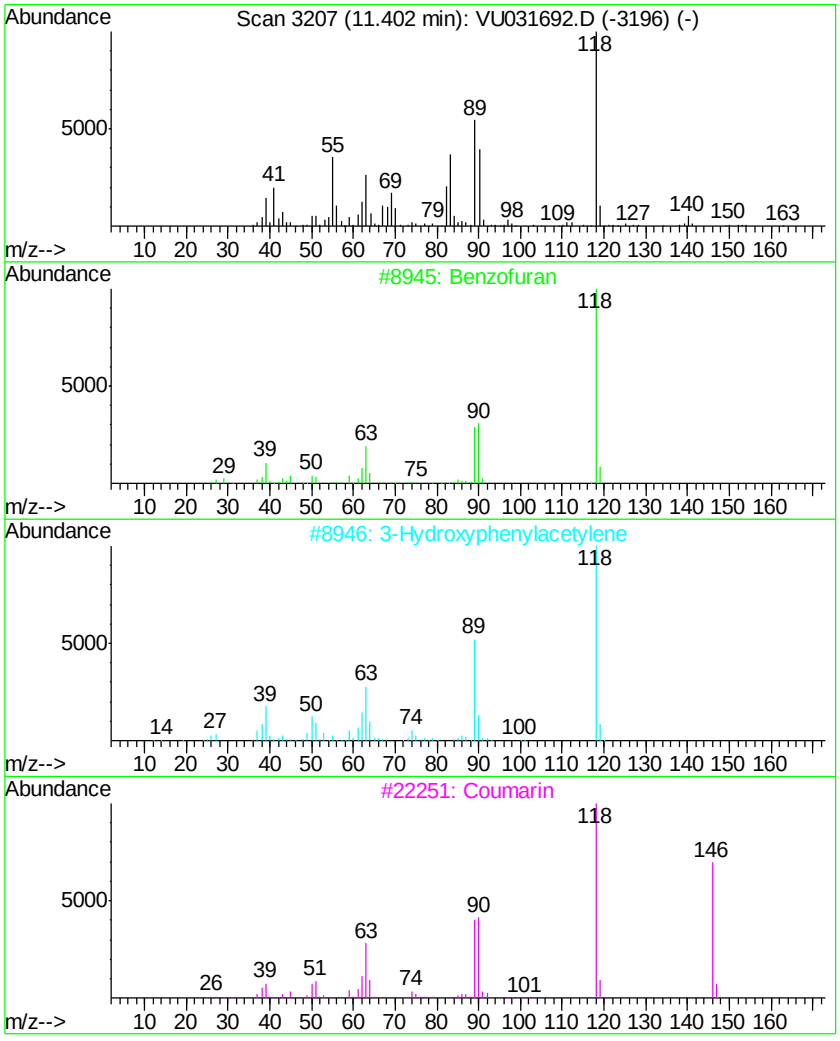
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

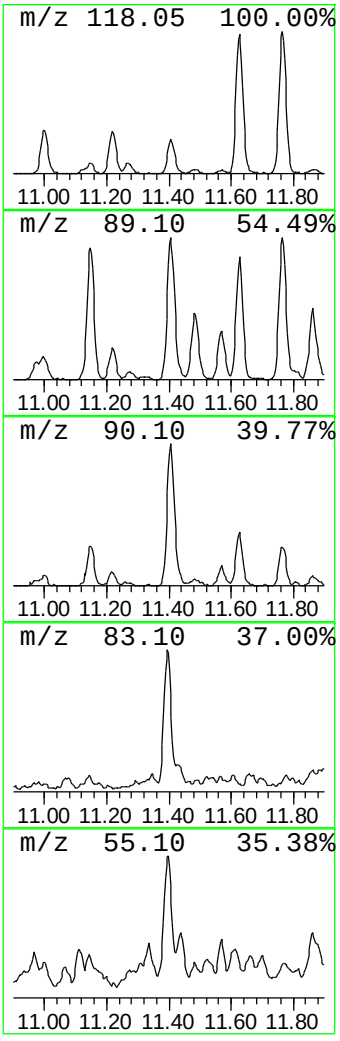
****

Peak Number 11 Benzofuran Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	9.25 ug/L	543376	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran	118	C8H6O	000271-89-6	76
2	3-Hydroxyphenylacetylene	118	C8H6O	010401-11-3	70
3	Coumarin	146	C9H6O2	000091-64-5	64
4	Benzofuran	118	C8H6O	000271-89-6	50
5	Benzofuran	118	C8H6O	000271-89-6	46





Library Search Compound Report

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Acq On : 01 May 2019 18:12
Operator : JC/SP
Sample : K2603-08
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ60

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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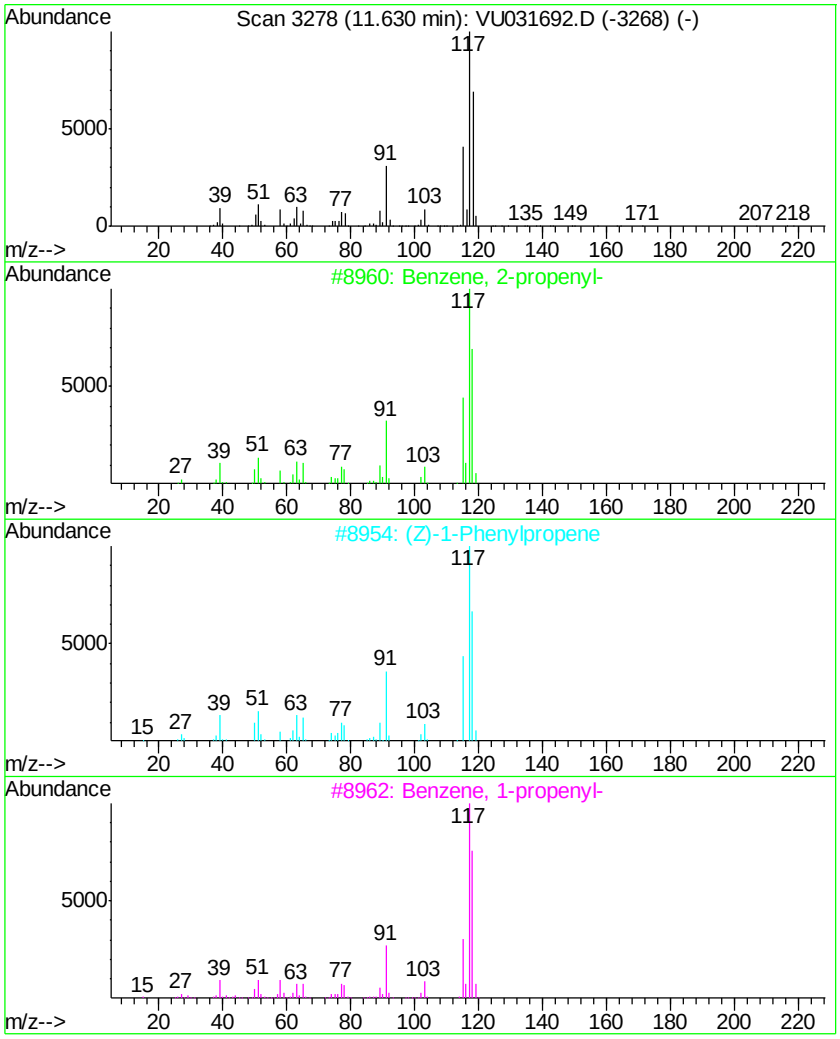
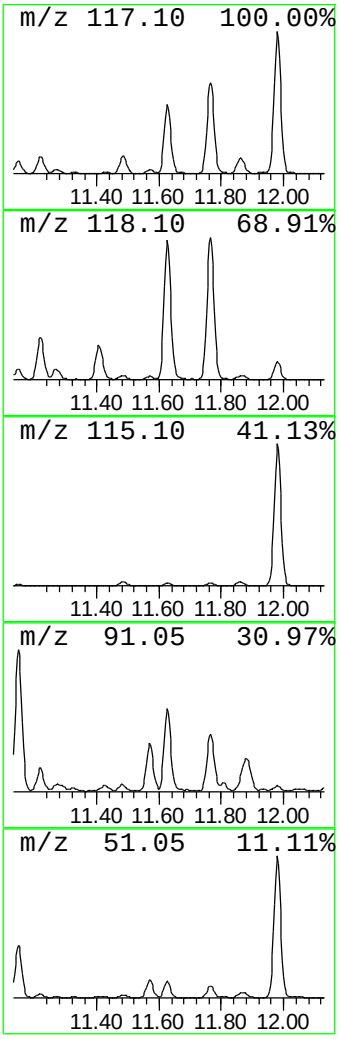
Peak Number 13 Benzene, 2-propenyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.63	27.56 ug/L	1619300	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	95
2	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	93
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	93
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	93
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050119\
Data File : VU031692.D
Acq On : 01 May 2019 18:12
Operator : JC/SP
Sample : K2603-08
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ60

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

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

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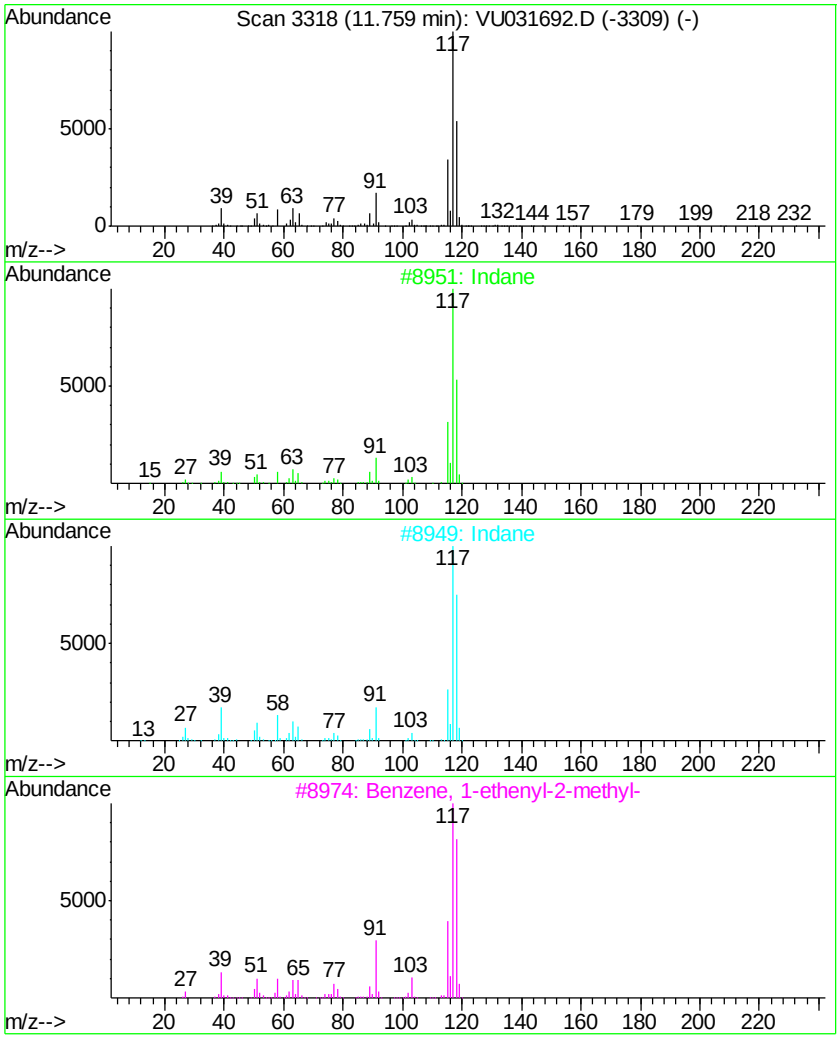
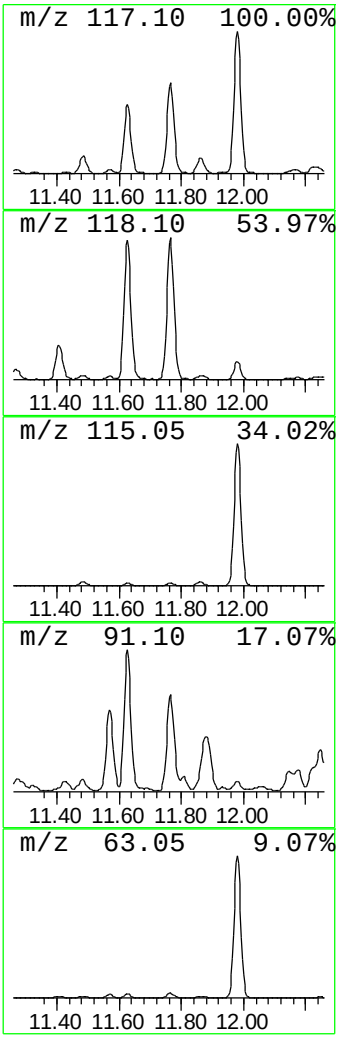
Peak Number 14 Indane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	29.80 ug/L	1751330	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Indane	118	C9H10	000496-11-7	91
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	78
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	74
5	Deltacyclene	118	C9H10	007785-10-6	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050119\
Data File : VU031692.D
Acq On : 01 May 2019 18:12
Operator : JC/SP
Sample : K2603-08
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ60

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

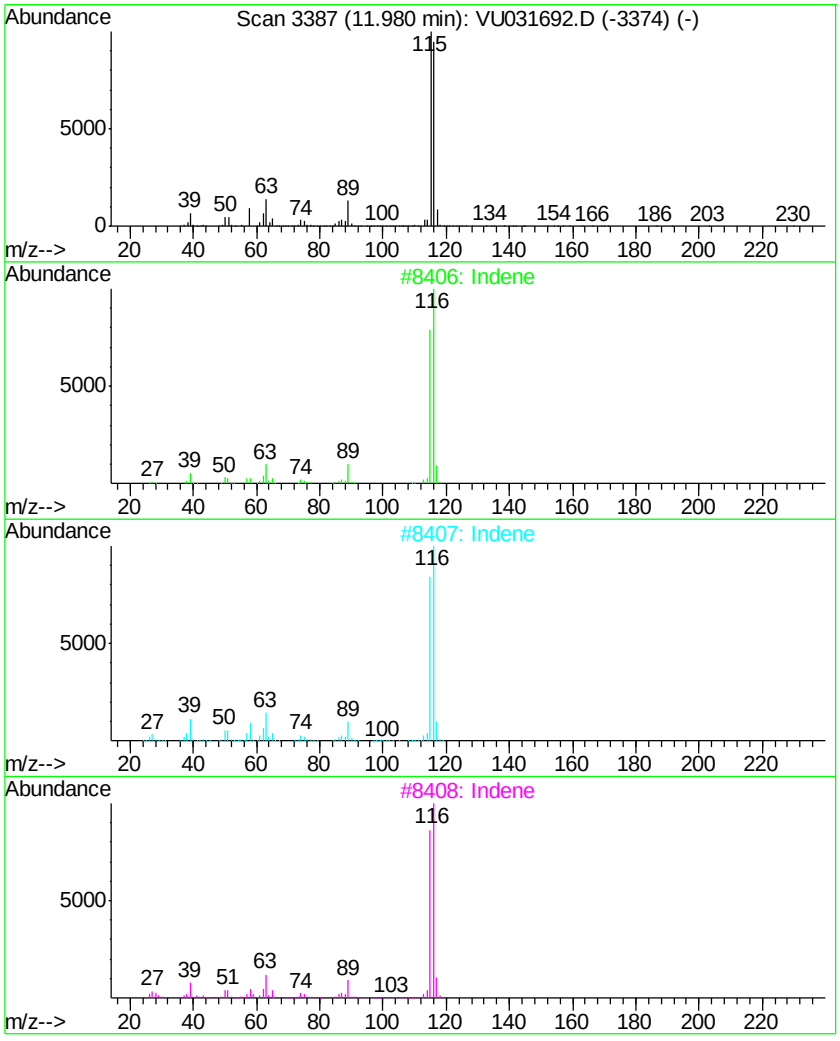
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

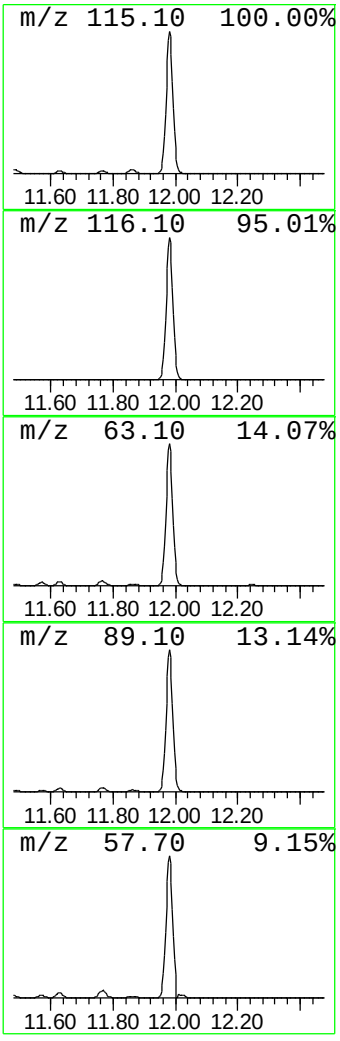
****

Peak Number 15 Indene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	485.26 ug/L	28514100	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Indene	116	C9H8	000095-13-6	96
3	Indene	116	C9H8	000095-13-6	95
4	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91
5	3-Methylphenylacetylene	116	C9H8	000766-82-5	91





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Acq On : 01 May 2019 18:12
Operator : JC/SP
Sample : K2603-08
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ60

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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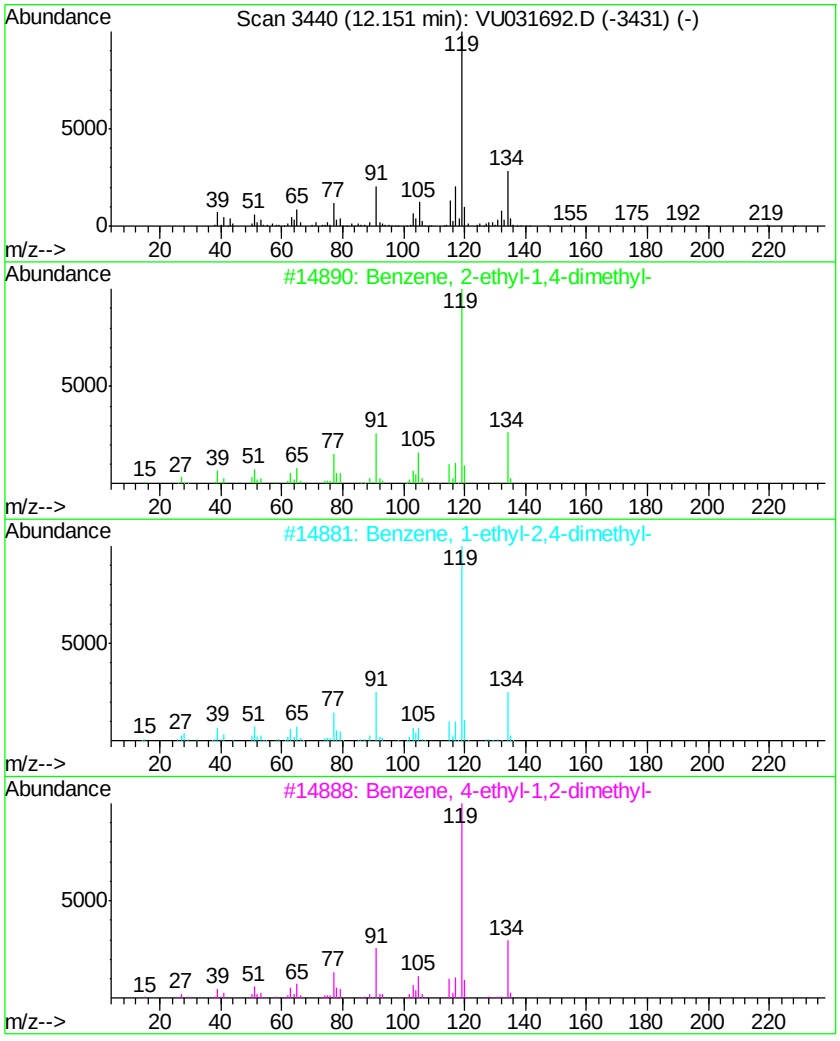
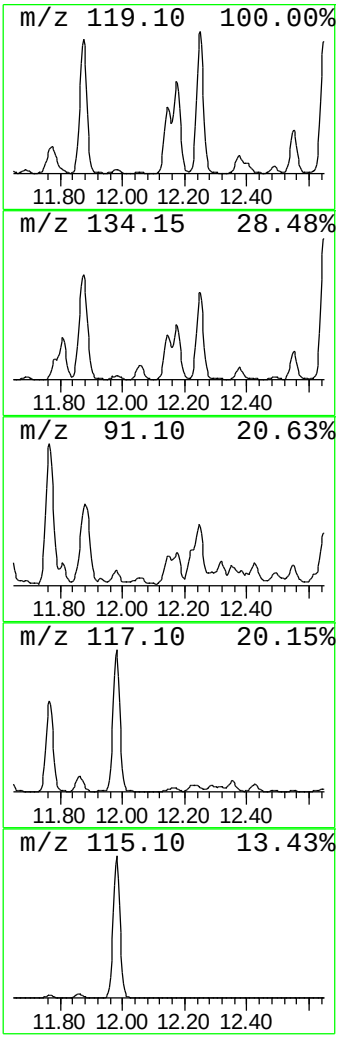
Peak Number 16 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	3.48 ug/L	204516	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	90
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	90
4	o-Cymene	134	C10H14	000527-84-4	90
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90





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Acq On : 01 May 2019 18:12
Operator : JC/SP
Sample : K2603-08
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ60

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

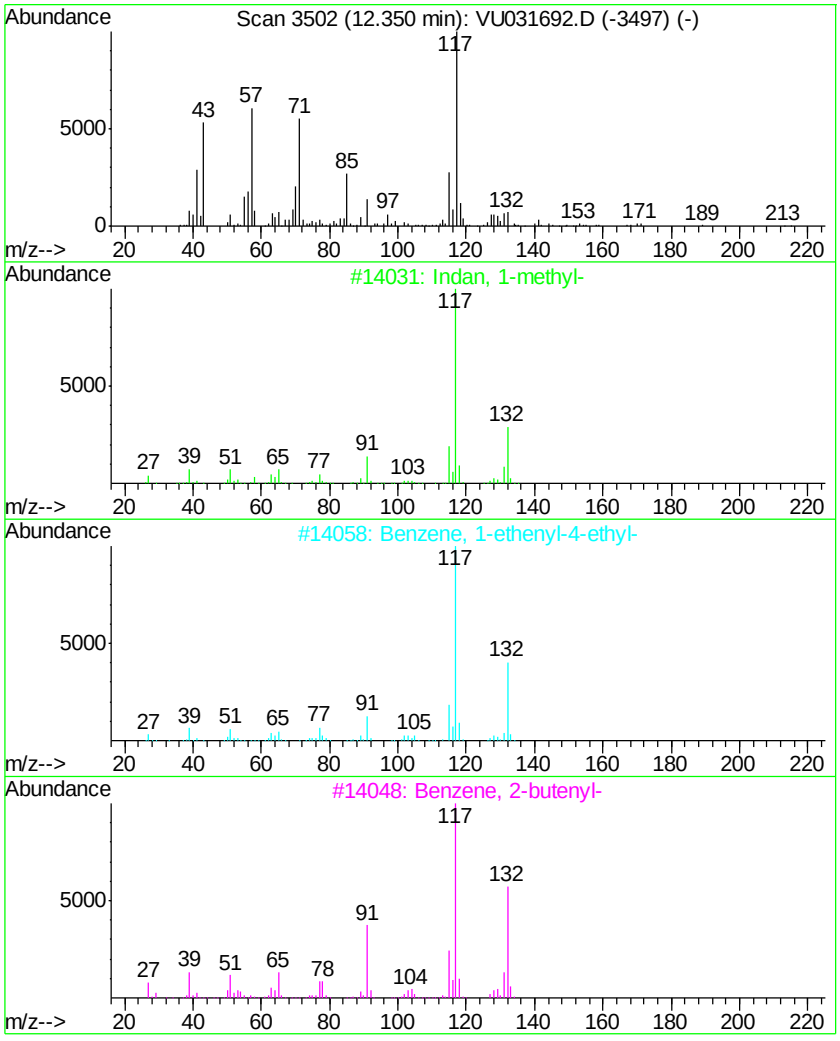
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

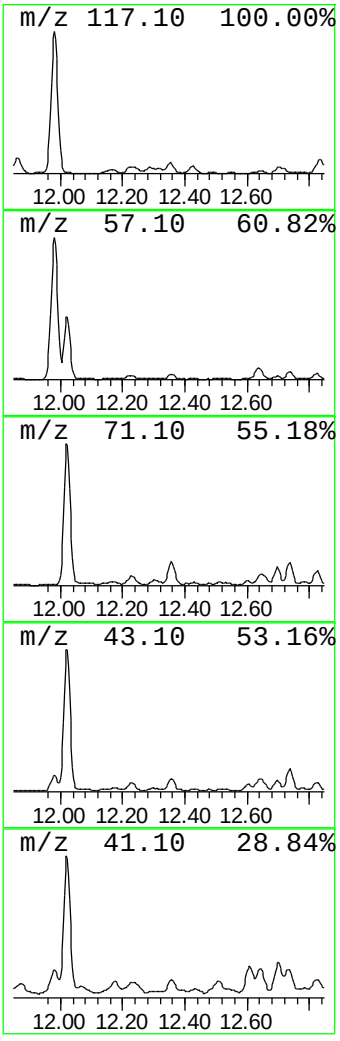
****

Peak Number 18 unknown-01 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	4.91 ug/L	288500	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	46
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	43
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	43
4	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	43
5	Benzaldehyde, 4-(1-phenyl-2-prop...	238	C16H14O2	1000277-56-1	38





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Acq On : 01 May 2019 18:12
Operator : JC/SP
Sample : K2603-08
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ60

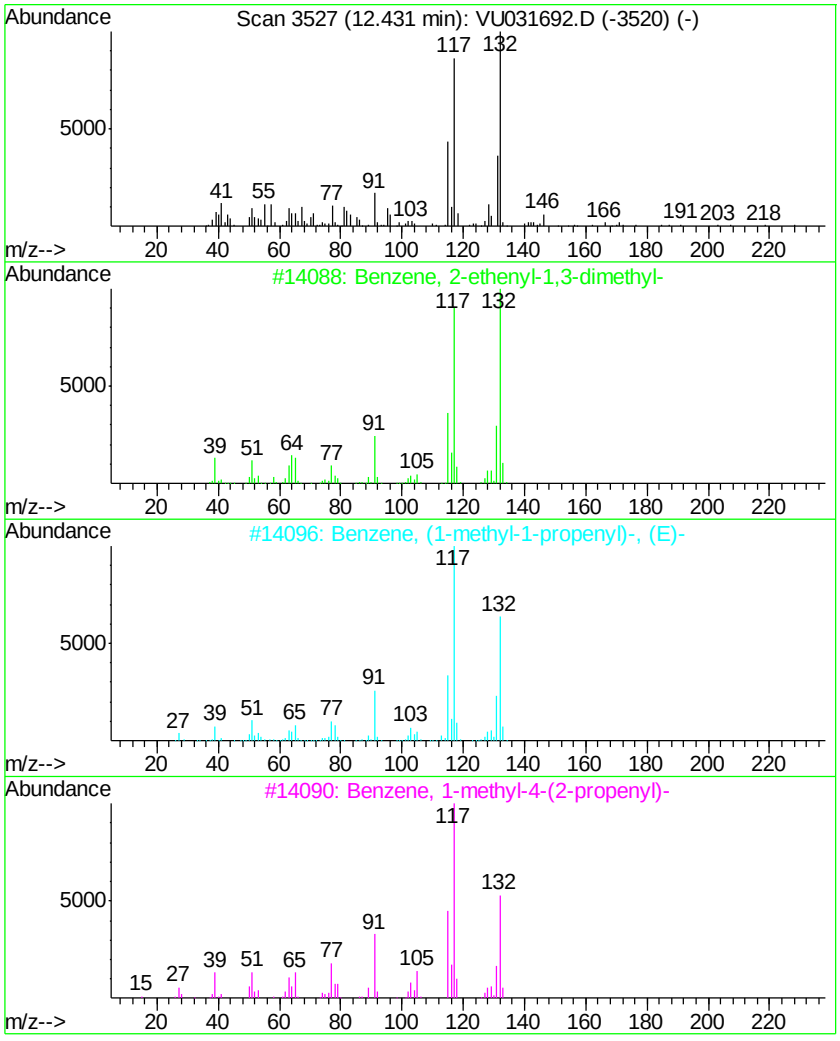
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

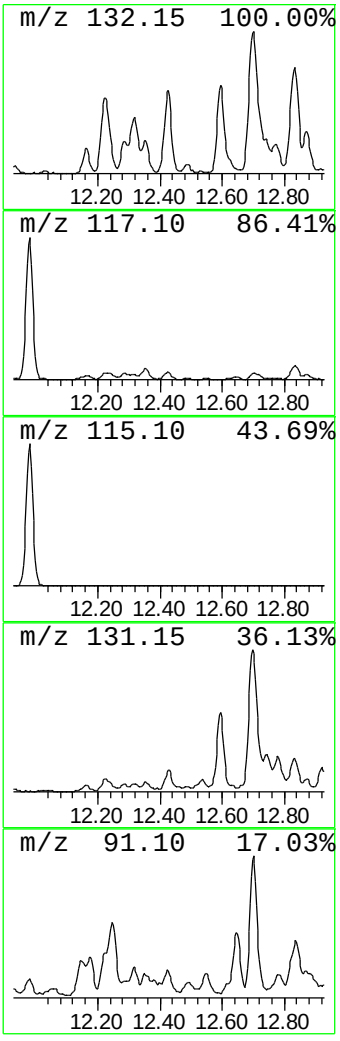
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Benzene, 2-ethenyl-1,3-dime... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	4.09 ug/L	240151	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	83
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	80
3	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	80
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	80
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	72





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Operator : JC/SP
Sample : K2603-08
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ60

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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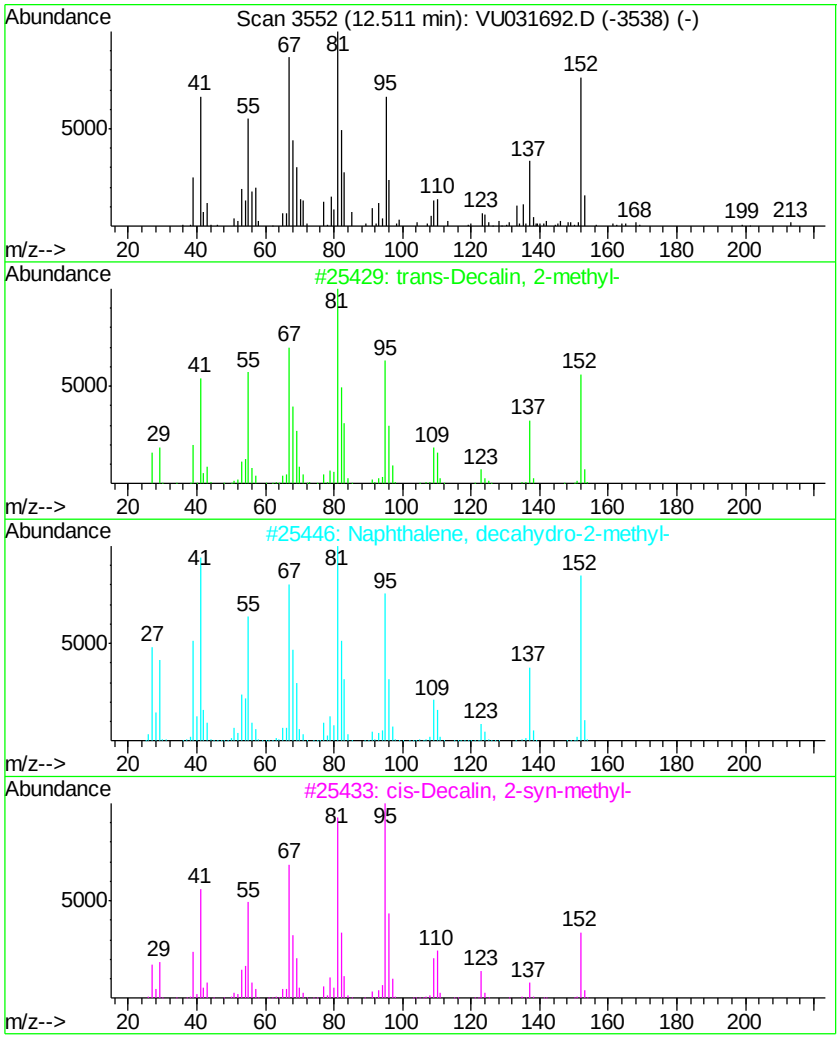
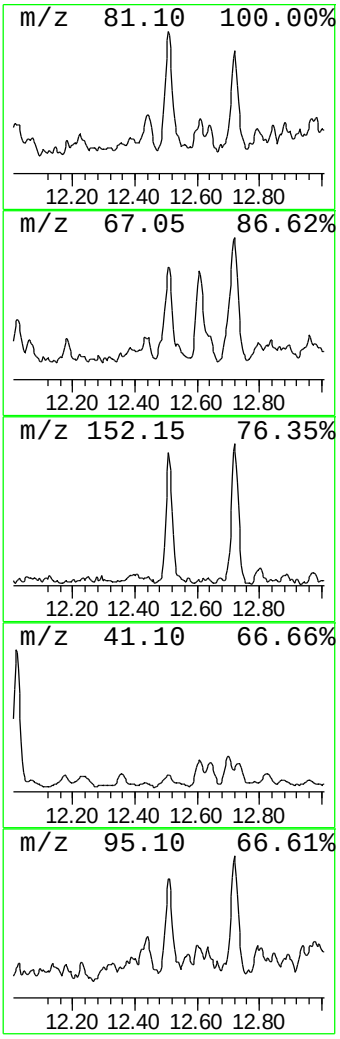
Peak Number 20 trans-Decalin, 2-methyl- Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	4.36 ug/L	255906	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	97
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	94
3	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	90
4	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	87
5	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	81





Library Search Compound Report

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Acq On : 01 May 2019 18:12
Operator : JC/SP
Sample : K2603-08
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ60

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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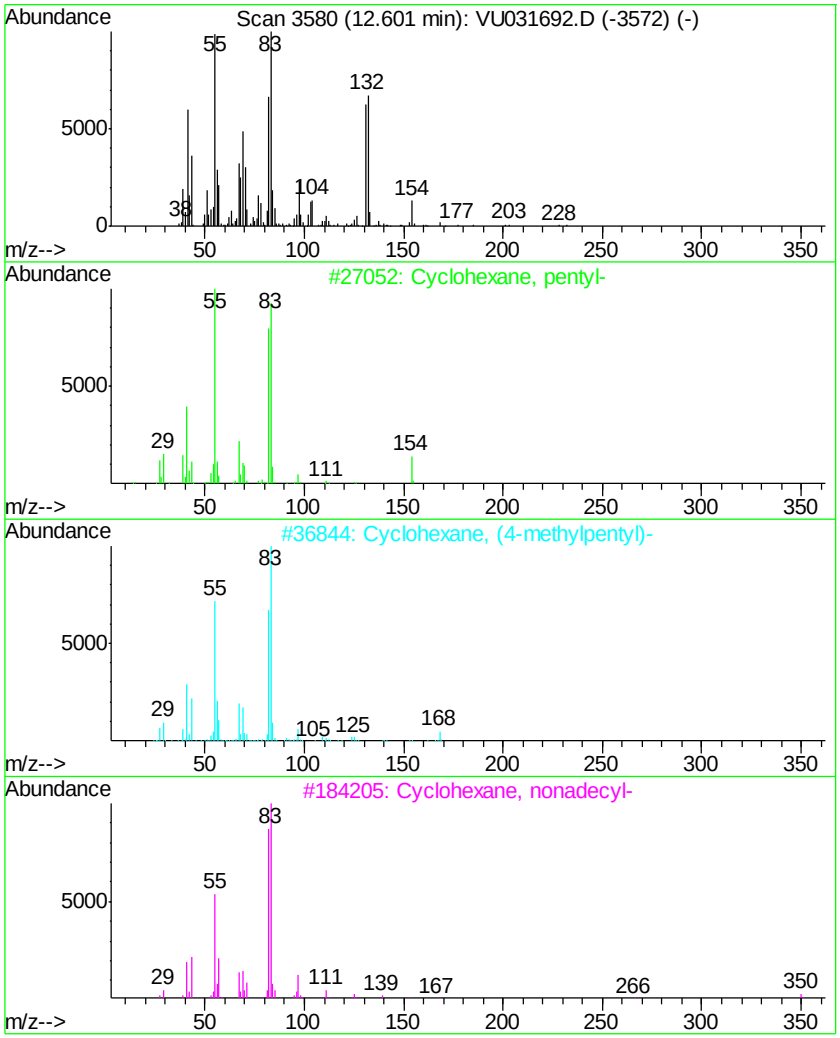
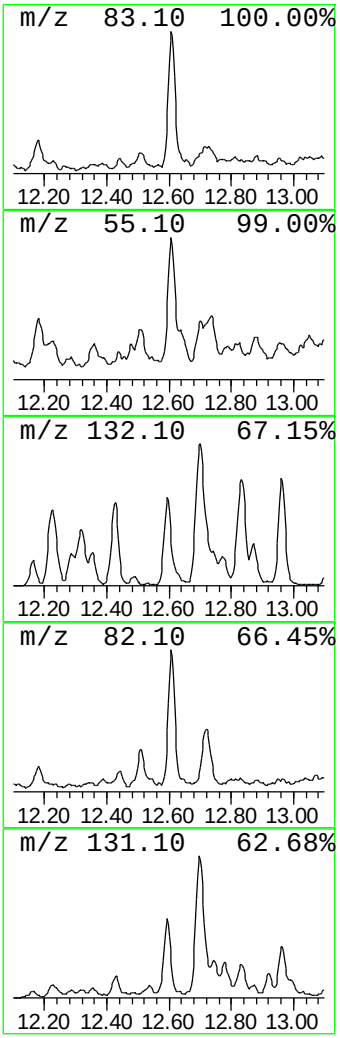
Peak Number 21 (DEL) Alkane: Cyclic12.60 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	8.57 ug/L	503637	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	46
2	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	46
3	Cyclohexane, nonadecyl-	350	C25H50	022349-03-7	43
4	Cyclohexane, pentyl-	154	C11H22	004292-92-6	43
5	Cyclohexane, (1-methylbutyl)-	154	C11H22	061208-94-4	43





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Data File : VU031692.D
Acq On : 01 May 2019 18:12
Operator : JC/SP
Sample : K2603-08
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ60

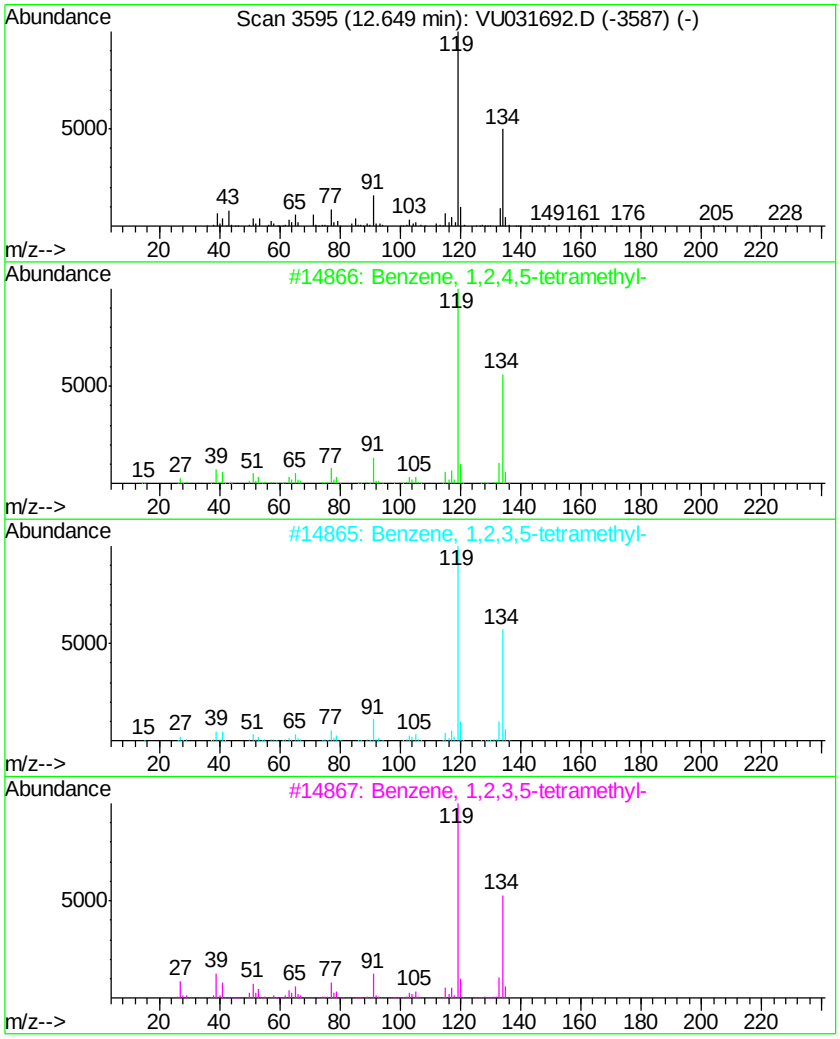
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

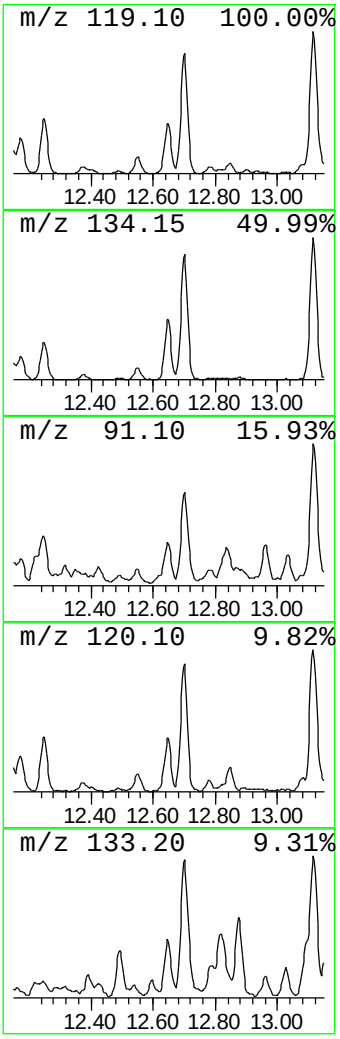
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	10.93 ug/L	641972	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	93
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	90
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87
5	o-Cymene	134	C10H14	000527-84-4	87





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Data File : VU031692.D
Acq On : 01 May 2019 18:12
Operator : JC/SP
Sample : K2603-08
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ60

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

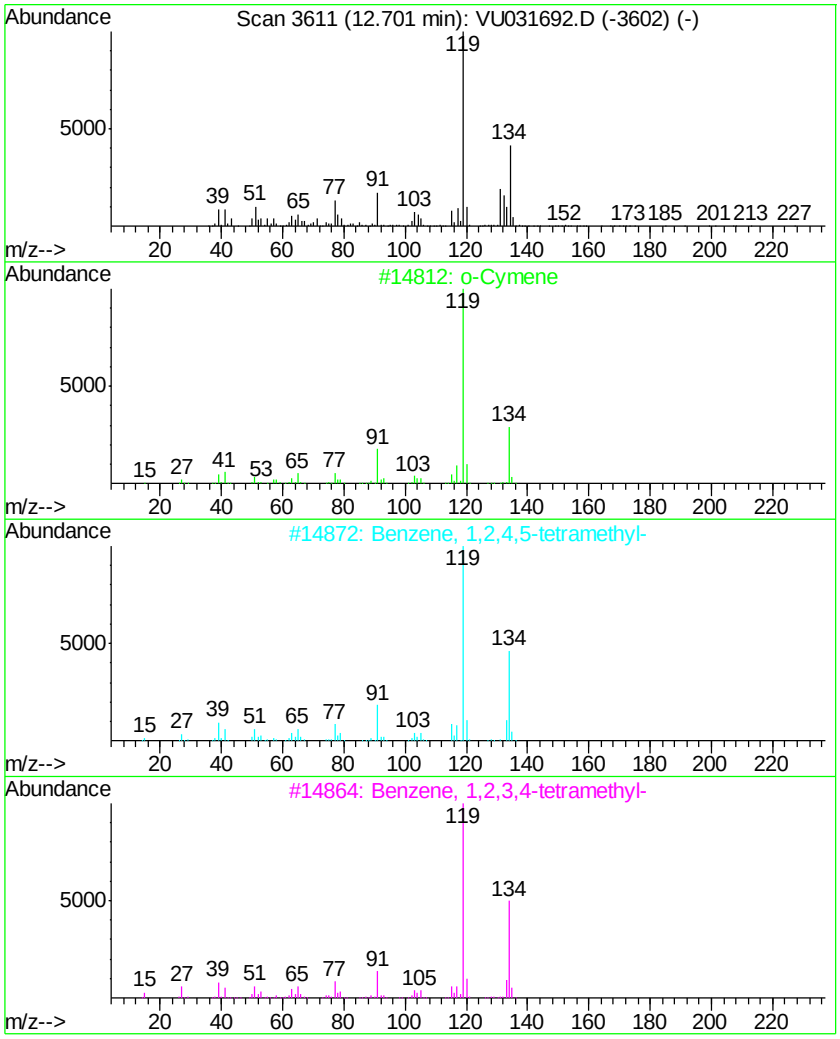
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

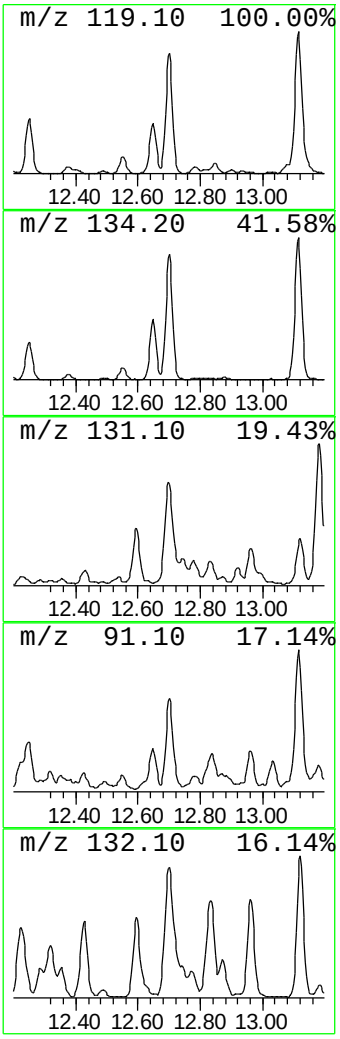
****

Peak Number 23 o-Cymene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	34.11 ug/L	2004270	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	93
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	93
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87





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Operator : JC/SP
Sample : K2603-08
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ60

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

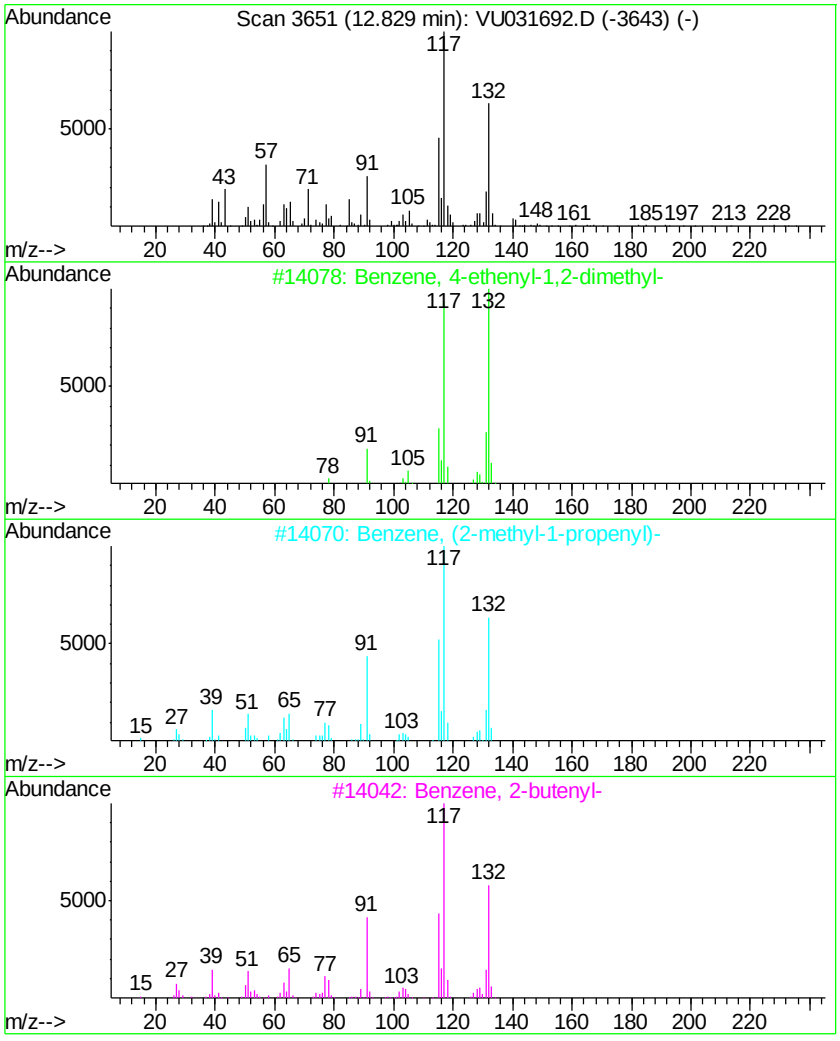
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

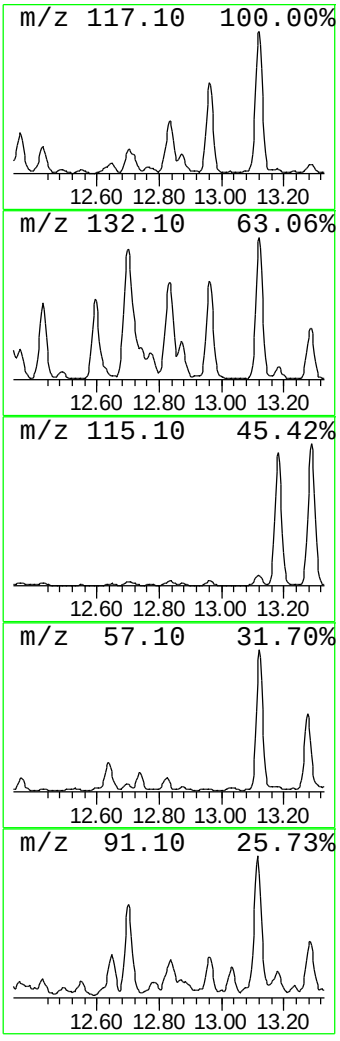
****

Peak Number 24 Benzene, 4-ethenyl-1,2-dime... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.83	8.39 ug/L	492752	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	93
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	91
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	91
4	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	90
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	90





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Acq On : 01 May 2019 18:12
Operator : JC/SP
Sample : K2603-08
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ60

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

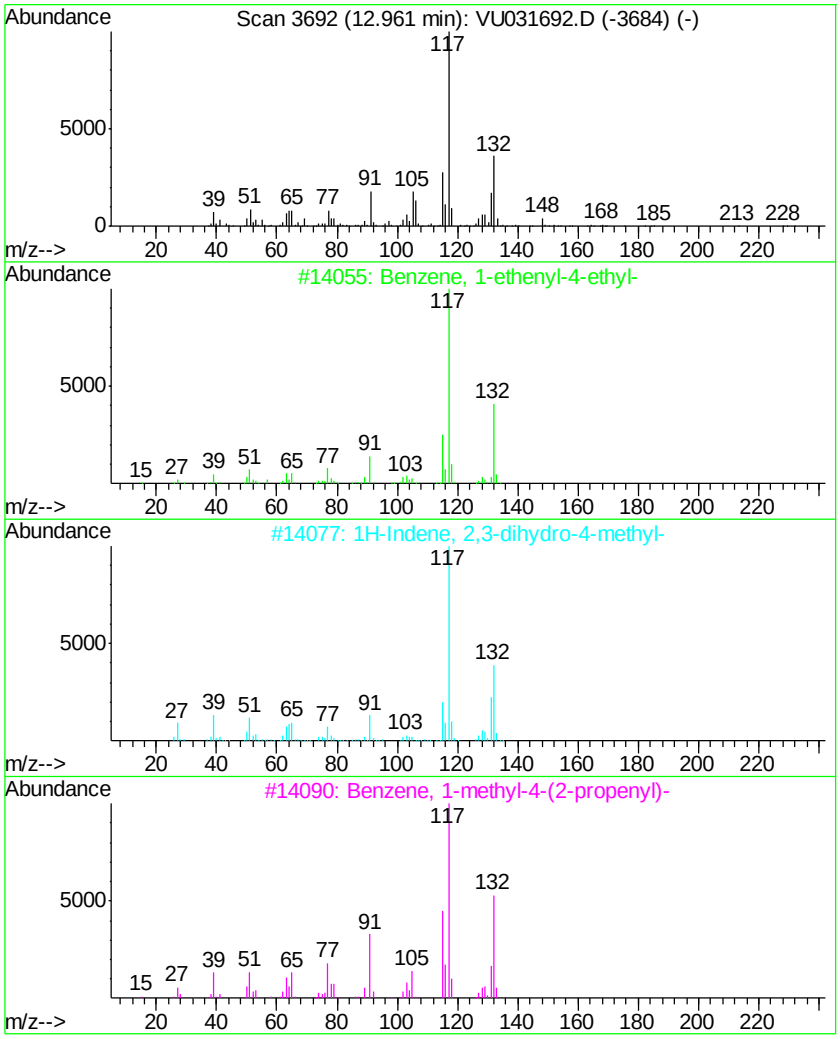
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

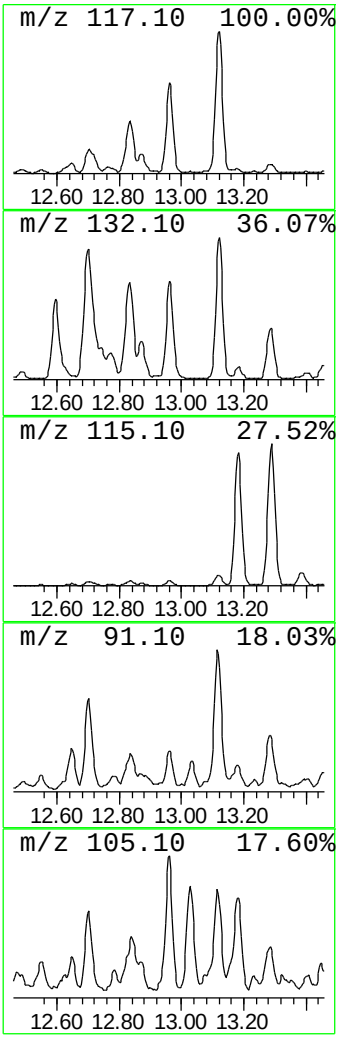
****

Peak Number 25 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	9.48 ug/L	557098	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	93
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	93
3	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	92
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87





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Acq On : 01 May 2019 18:12
Operator : JC/SP
Sample : K2603-08
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ60

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

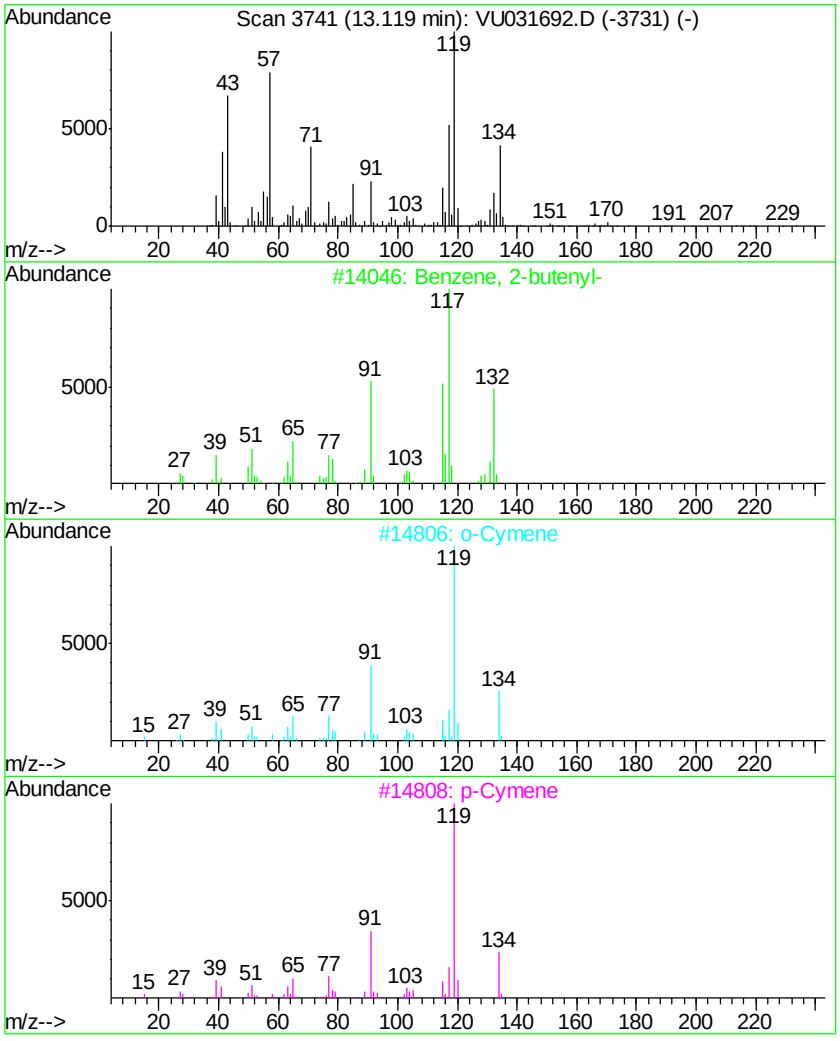
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

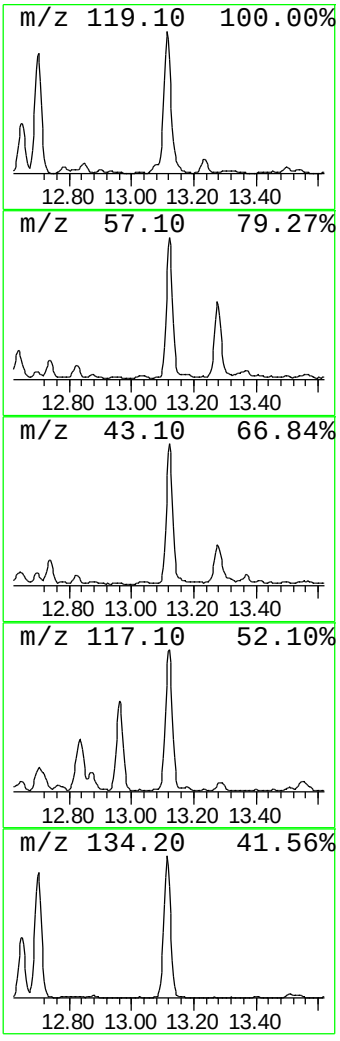
****

Peak Number 26 Benzene, 2-butenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	57.88 ug/L	3400910	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-butenyl-	132	C10H12	001560-06-1	56
2	o-Cymene	134	C10H14	000527-84-4	50
3	p-Cymene	134	C10H14	000099-87-6	50
4	p-Cymene	134	C10H14	000099-87-6	50
5	o-Cymene	134	C10H14	000527-84-4	50





Library Search Compound Report

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Data File : VU031692.D
Acq On : 01 May 2019 18:12
Operator : JC/SP
Sample : K2603-08
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ60

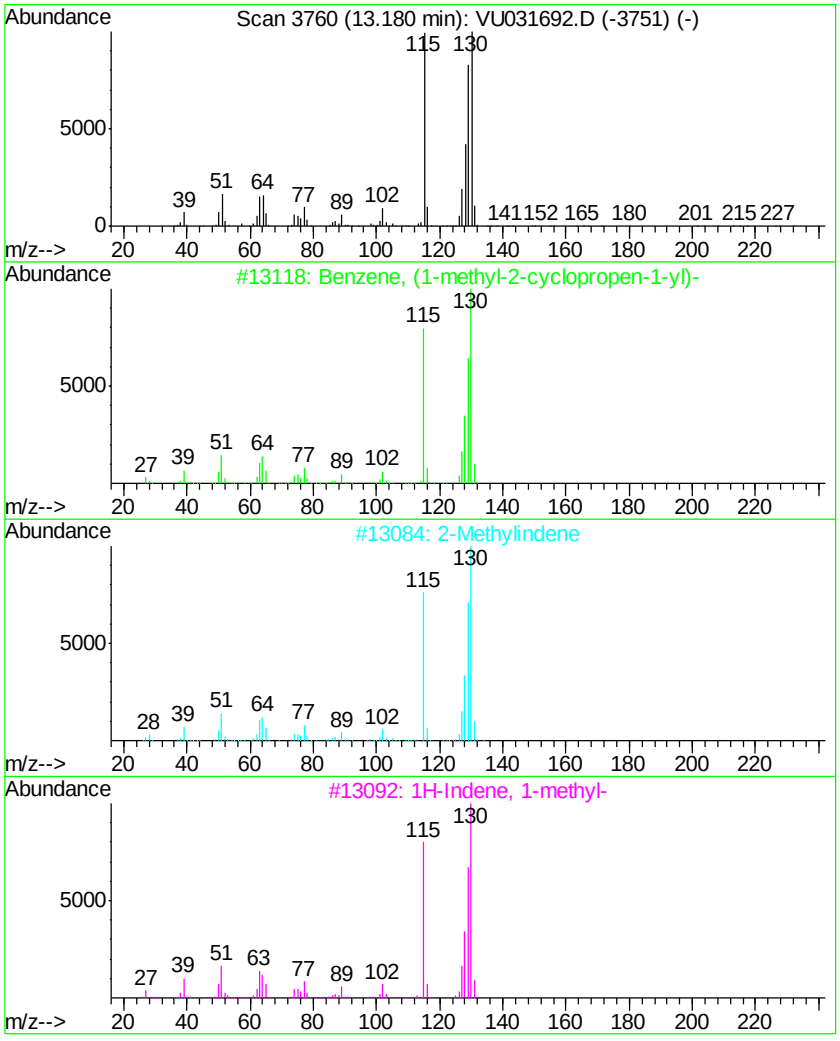
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

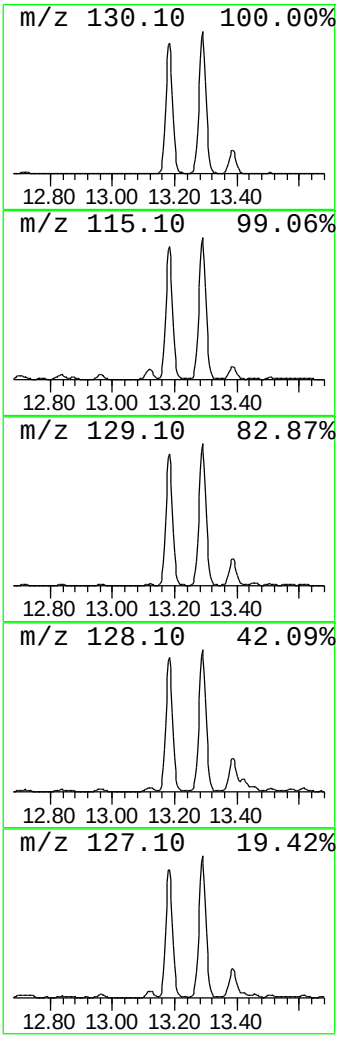
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 Benzene, (1-methyl-2-cyclop... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	93.67 ug/L	5504280	1,4-Dichlorobenzene-d4	11.49

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





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Data File : VU031692.D
Acq On : 01 May 2019 18:12
Operator : JC/SP
Sample : K2603-08
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ60

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

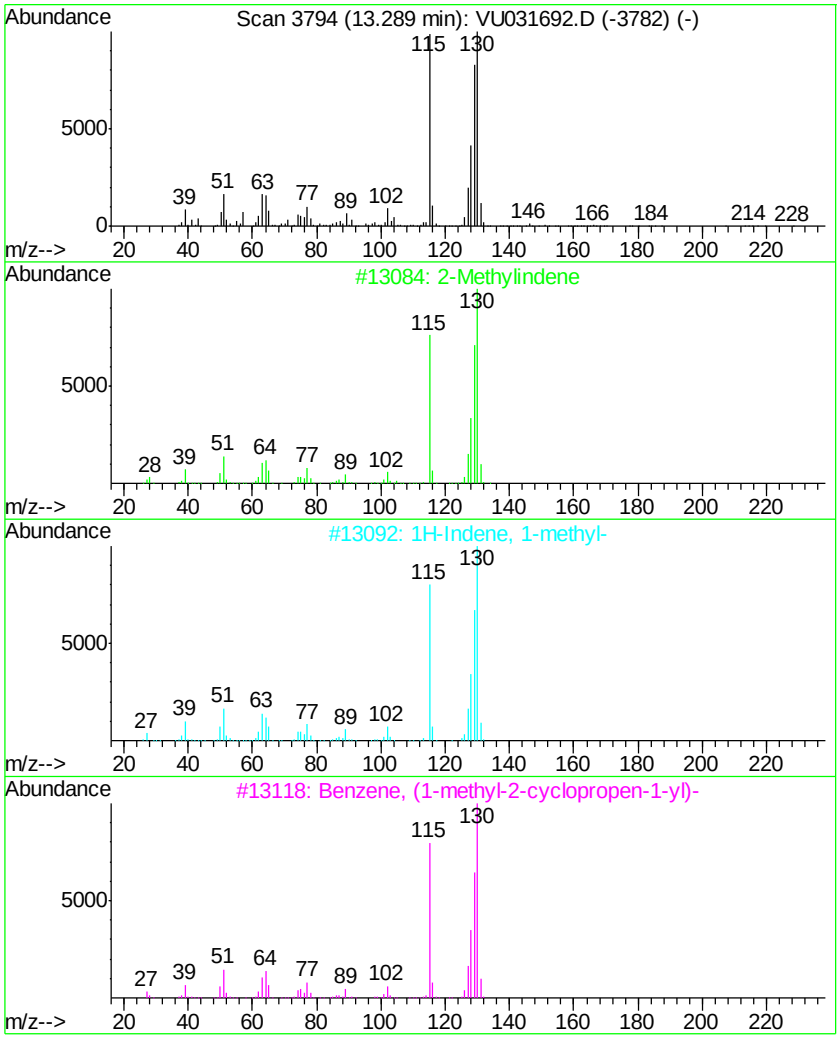
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

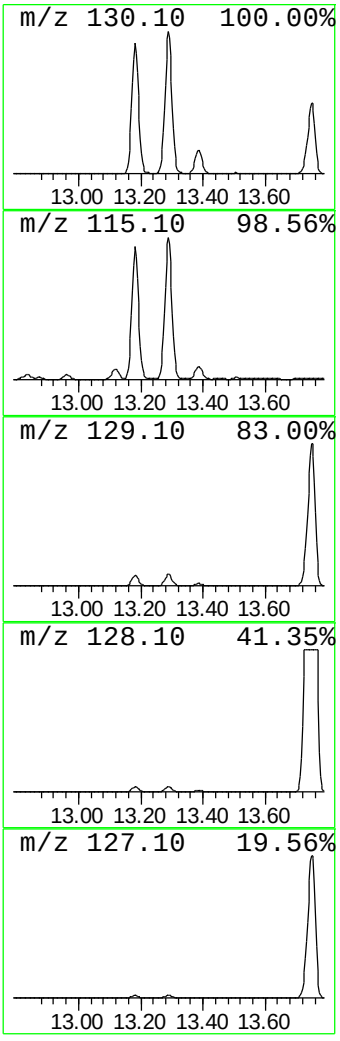
****

Peak Number 28 2-Methylindene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	123.20 ug/L	7239140	1,4-Dichlorobenzene-d4	11.49

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	96
5	Benzene, 1-butynyl-	130	C10H10	000622-76-4	95





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Data File : VU031692.D
Acq On : 01 May 2019 18:12
Operator : JC/SP
Sample : K2603-08
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ60

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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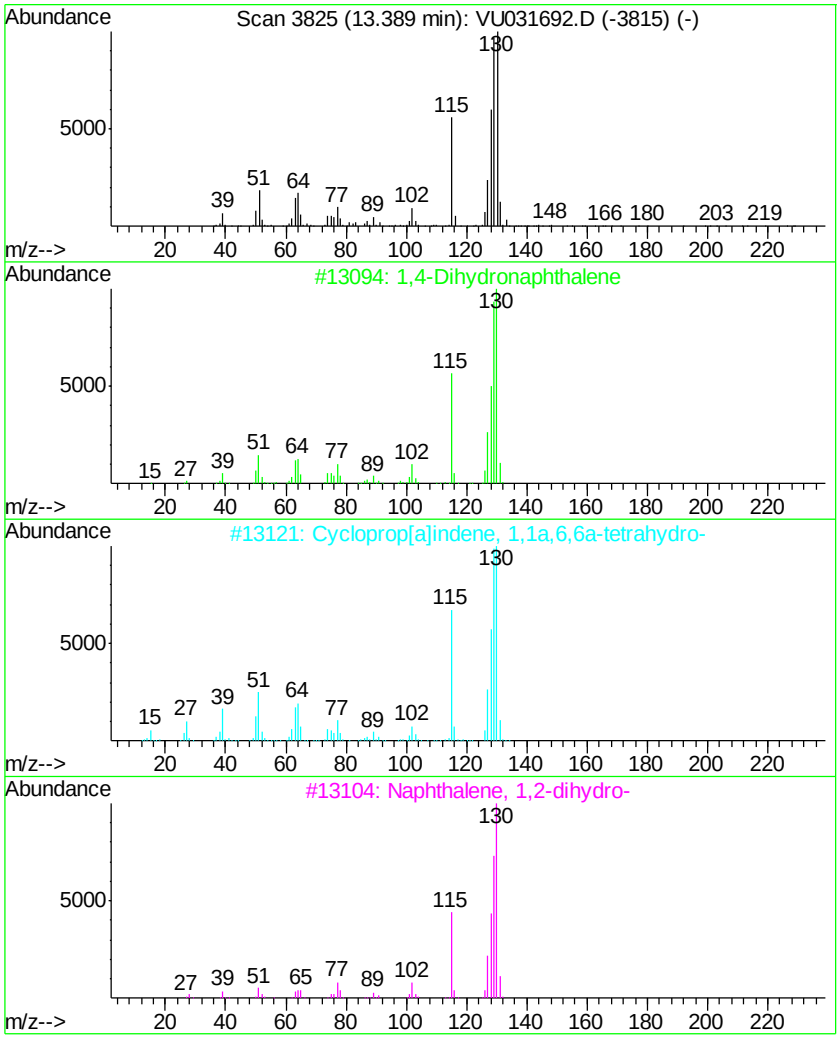
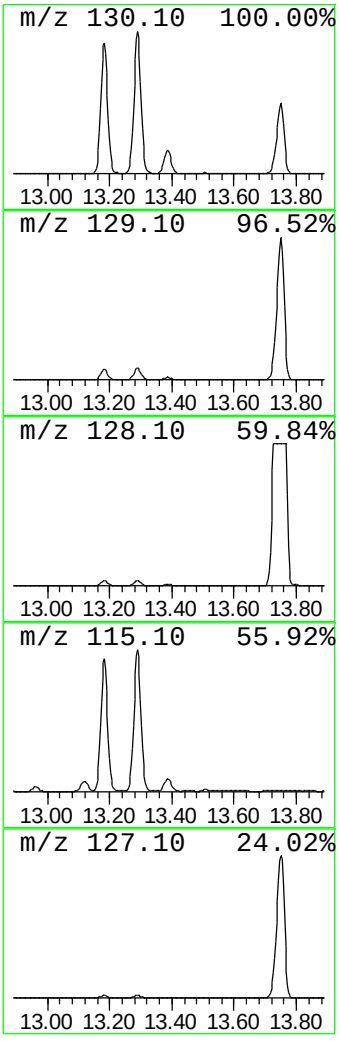
Peak Number 29 1,4-Dihydronaphthalene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	19.74 ug/L	1160050	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	98
2	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	97
3	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	95
4	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	95
5	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	94





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Acq On : 01 May 2019 18:12
Operator : JC/SP
Sample : K2603-08
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ60

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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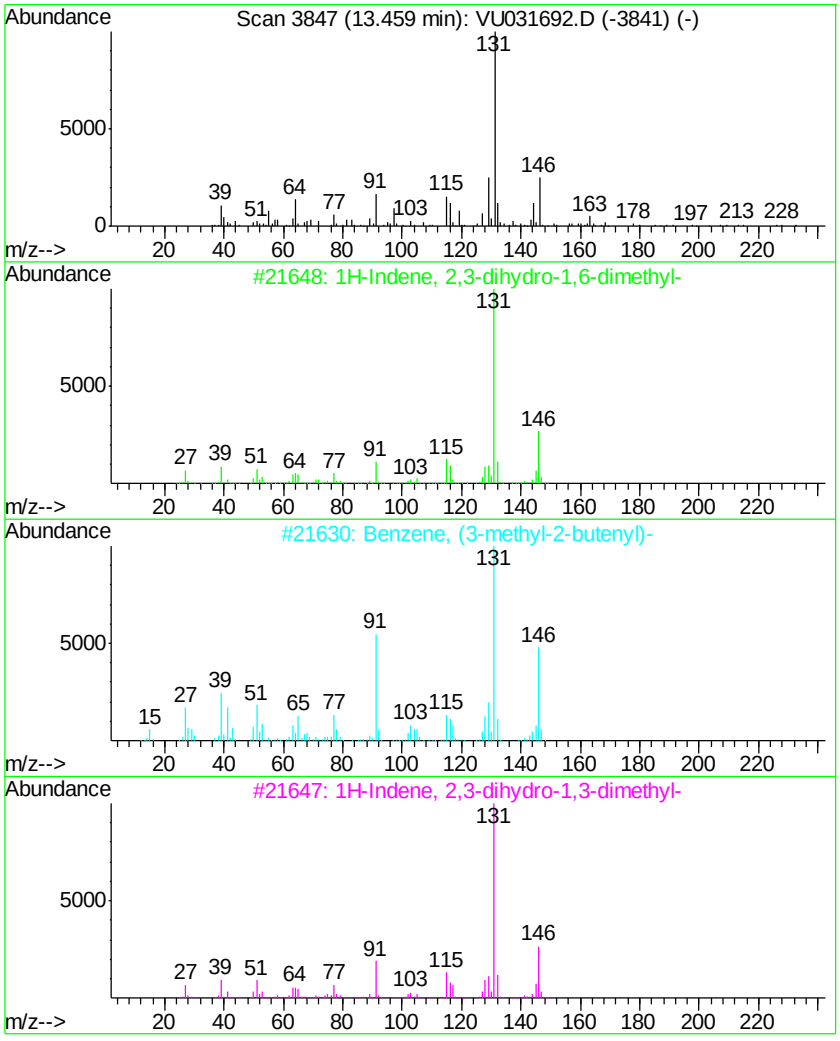
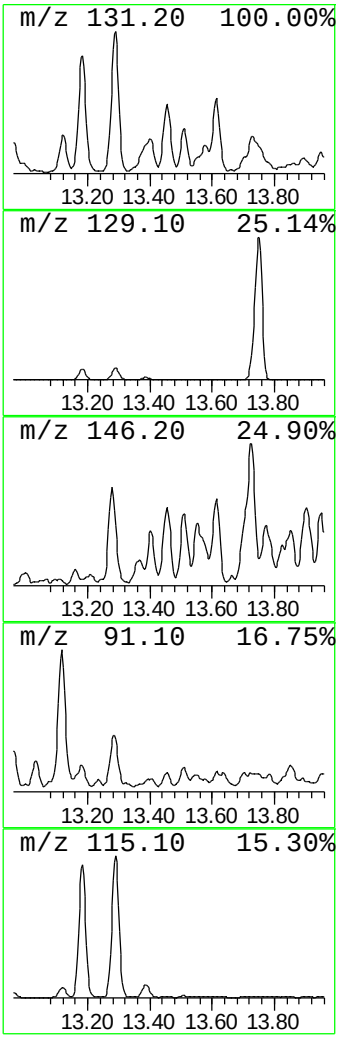
Peak Number 30 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.46	3.09 ug/L	181750	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	74
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	72
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	72
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	64





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Operator : JC/SP
Sample : K2603-08
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ60

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Quant Title : VOC Analysis

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

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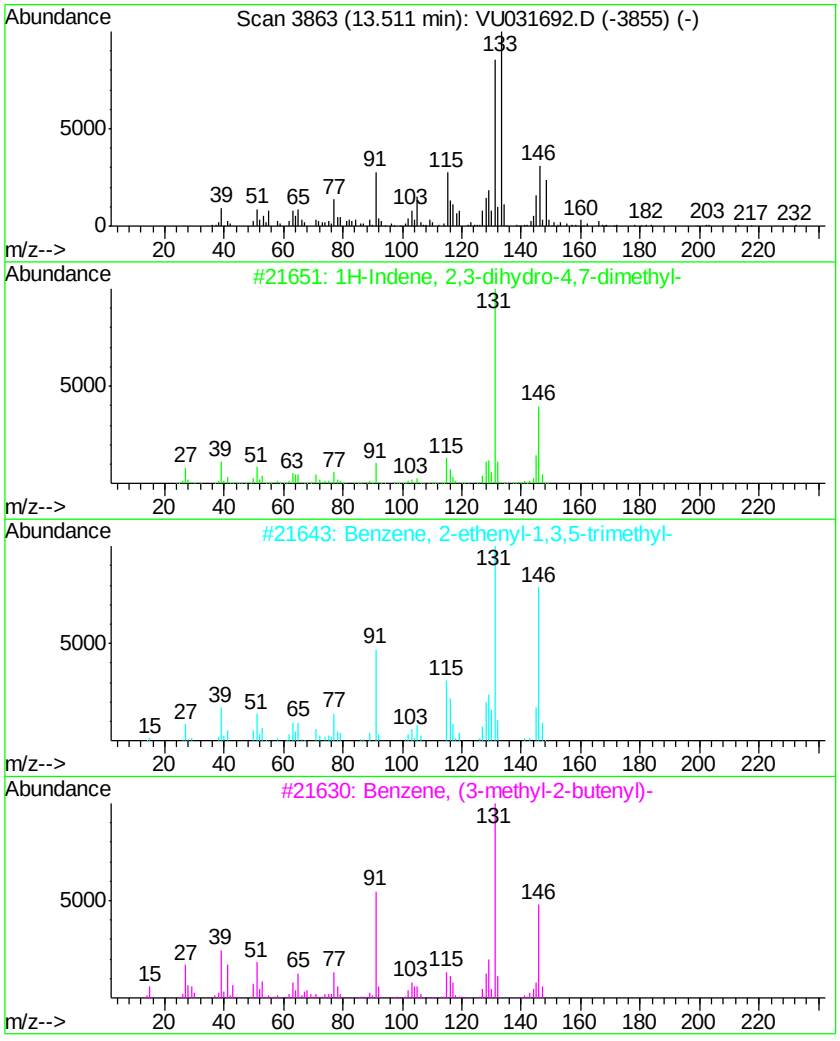
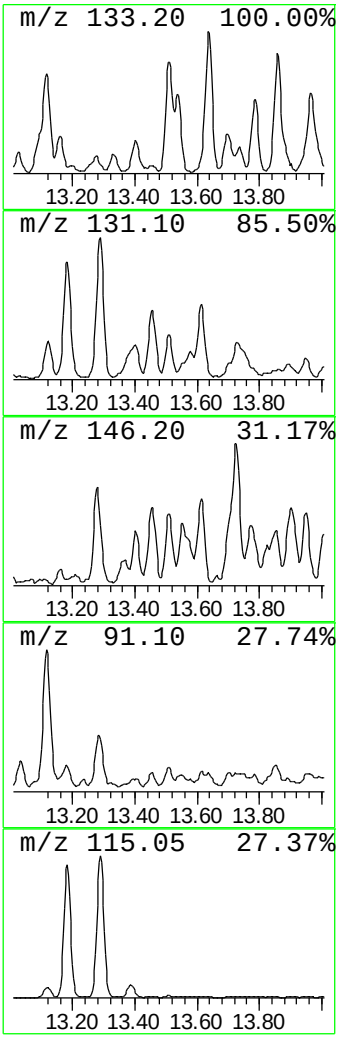
Peak Number 31 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	4.70 ug/L	276121	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	55
2	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	55
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	50
4	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	50
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	50





Library Search Compound Report

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Data File : VU031692.D
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Operator : JC/SP
Sample : K2603-08
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ60

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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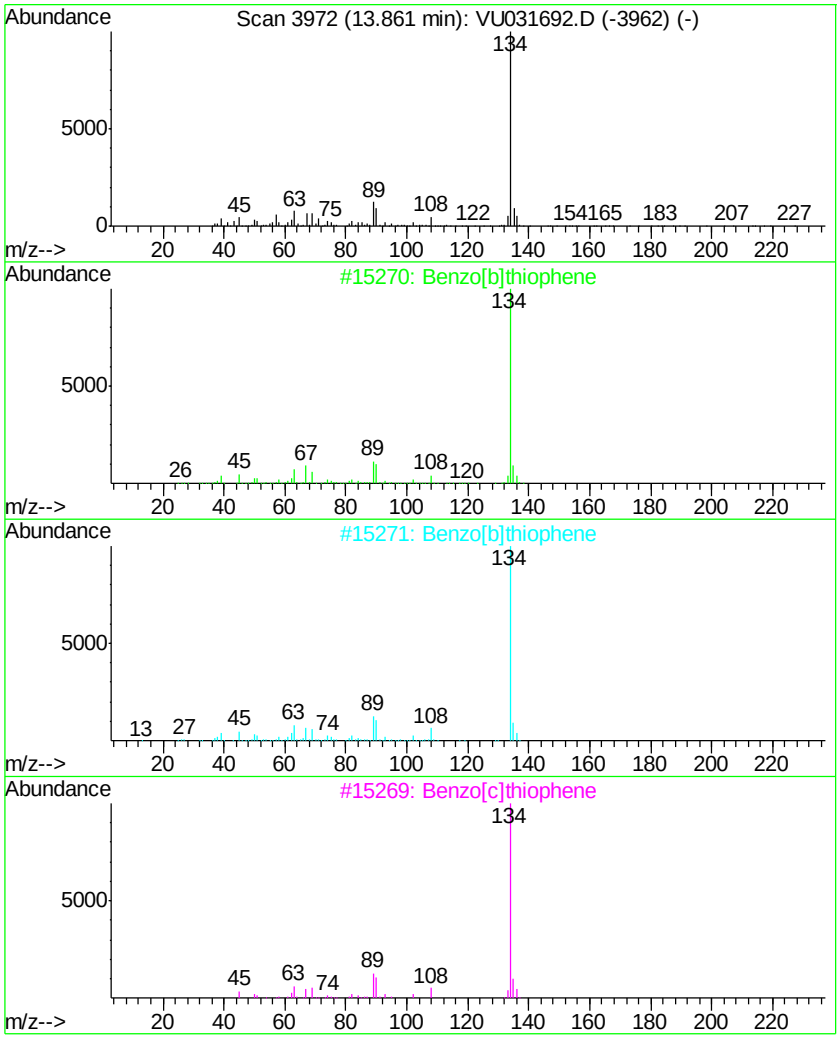
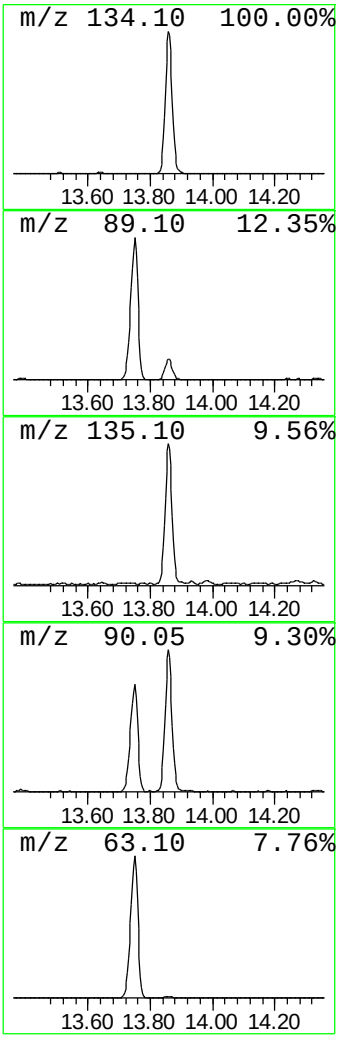
Peak Number 33 Benzo[b]thiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	46.62 ug/L	2739570	1,4-Dichlorobenzene-d4	11.49

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050119\
Data File : VU031692.D
Acq On : 01 May 2019 18:12
Operator : JC/SP
Sample : K2603-08
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ60

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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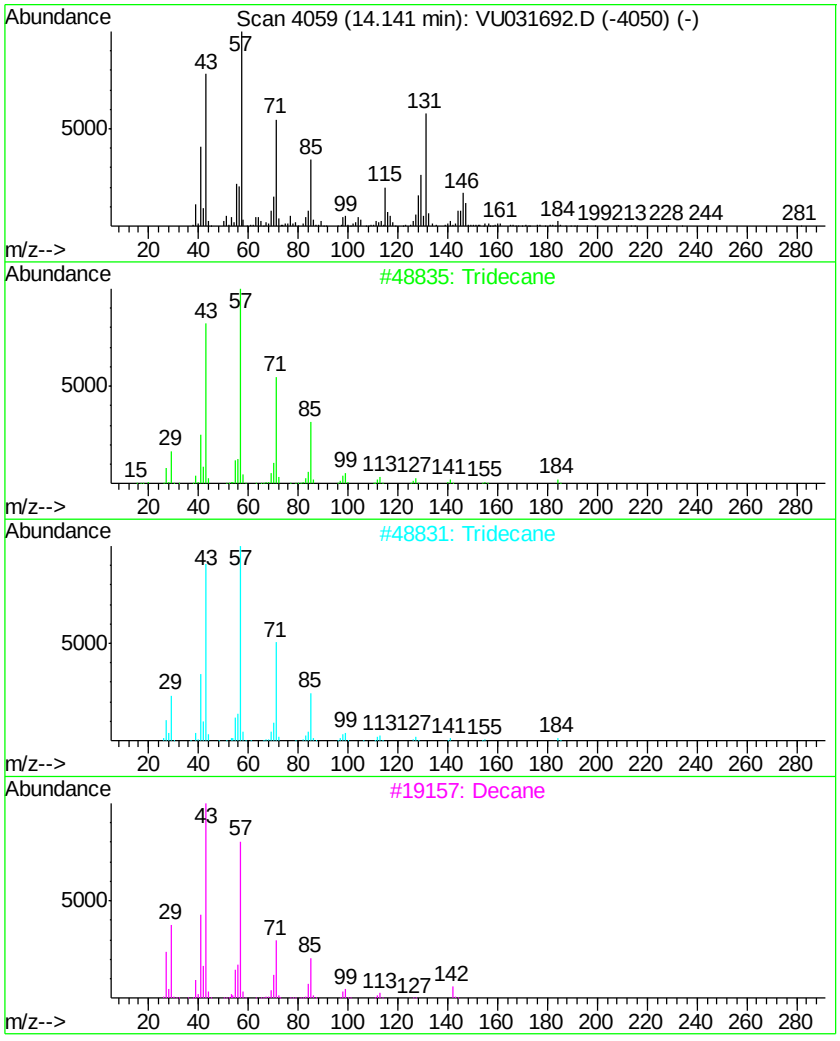
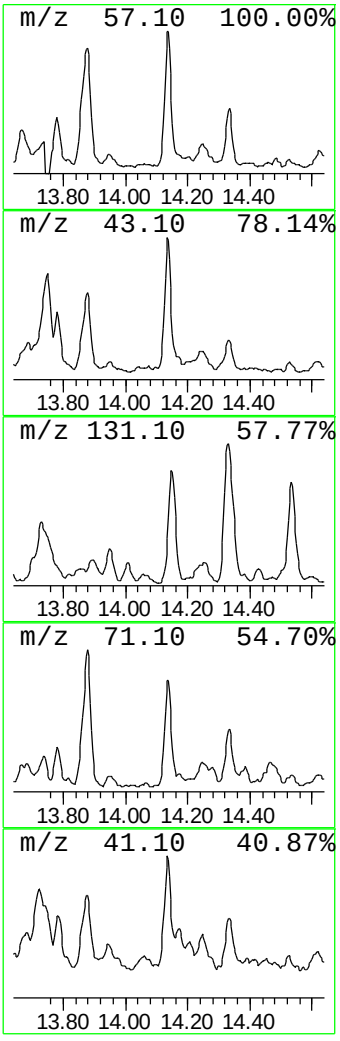
Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	12.37 ug/L	726683	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	90
2	Tridecane	184	C13H28	000629-50-5	55
3	Decane	142	C10H22	000124-18-5	53
4	Decane, 2-methyl-	156	C11H24	006975-98-0	49
5	Bacchotricuneatin c	342	C20H22O5	066563-30-2	46





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Data File : VU031692.D
Acq On : 01 May 2019 18:12
Operator : JC/SP
Sample : K2603-08
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ60

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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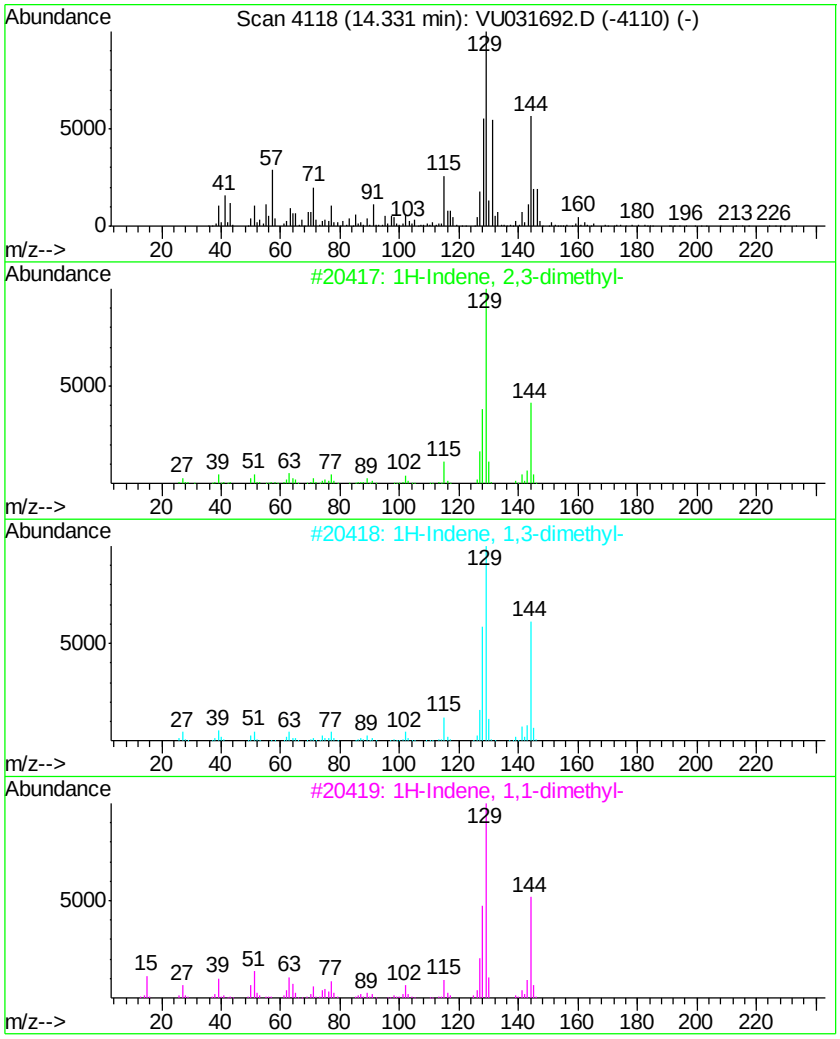
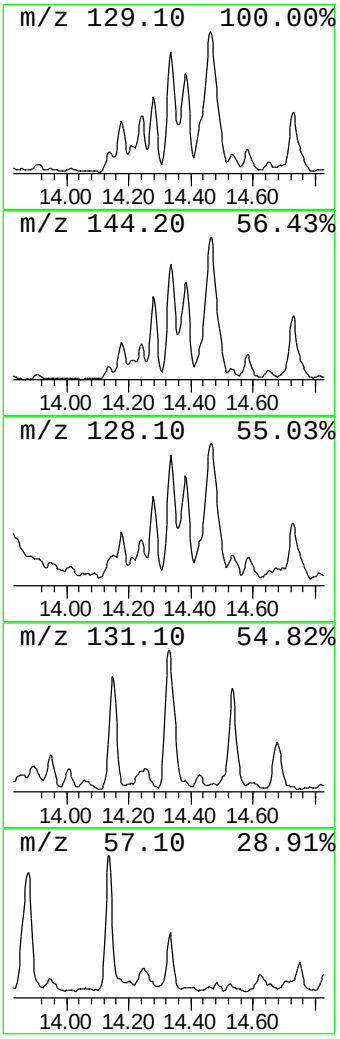
Peak Number 36 1H-Indene, 2,3-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	21.08 ug/L	1238710	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	93
2	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	93
3	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	91
4	Naphthalene, 1,2-dihydro-3-methyl-	144	C11H12	002717-44-4	91
5	1H-Cyclopropa[b]naphthalene, 1a,...	144	C11H12	006571-72-8	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050119\
Data File : VU031692.D
Acq On : 01 May 2019 18:12
Operator : JC/SP
Sample : K2603-08
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ60

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

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

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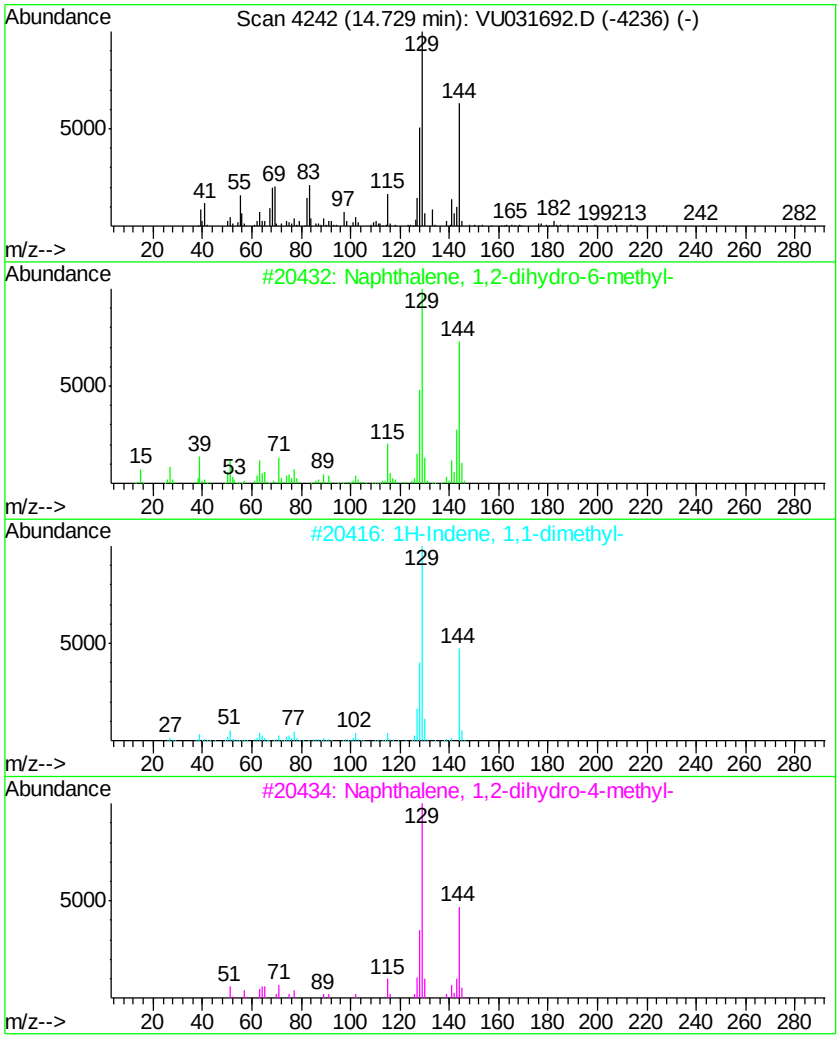
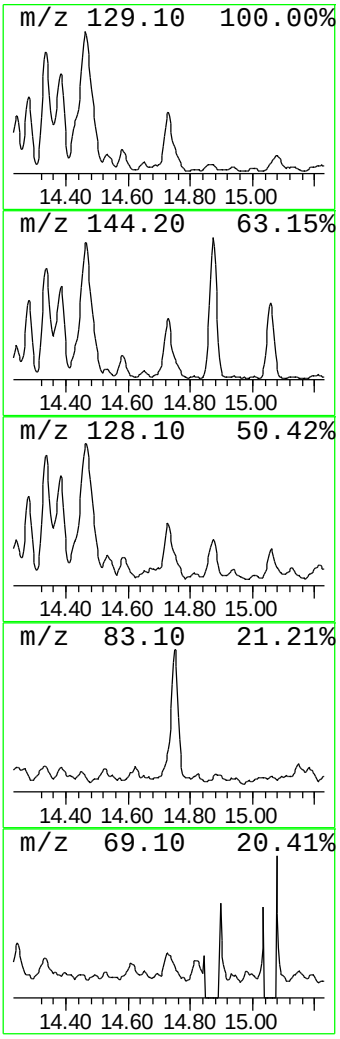
Peak Number 37 Naphthalene, 1,2-dihydro-6-... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	3.83 ug/L	225049	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dihydro-6-methyl-	144	C11H12	002717-47-7	58
2	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	52
3	Naphthalene, 1,2-dihydro-4-methyl-	144	C11H12	004373-13-1	52
4	1H-Indene, 1-ethenyl-2,3-dihydro-	144	C11H12	051783-46-1	50
5	Benzene, 1-cyclopenten-1-yl-	144	C11H12	000825-54-7	47





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050119\
Data File : VU031692.D
Acq On : 01 May 2019 18:12
Operator : JC/SP
Sample : K2603-08
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ60

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

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

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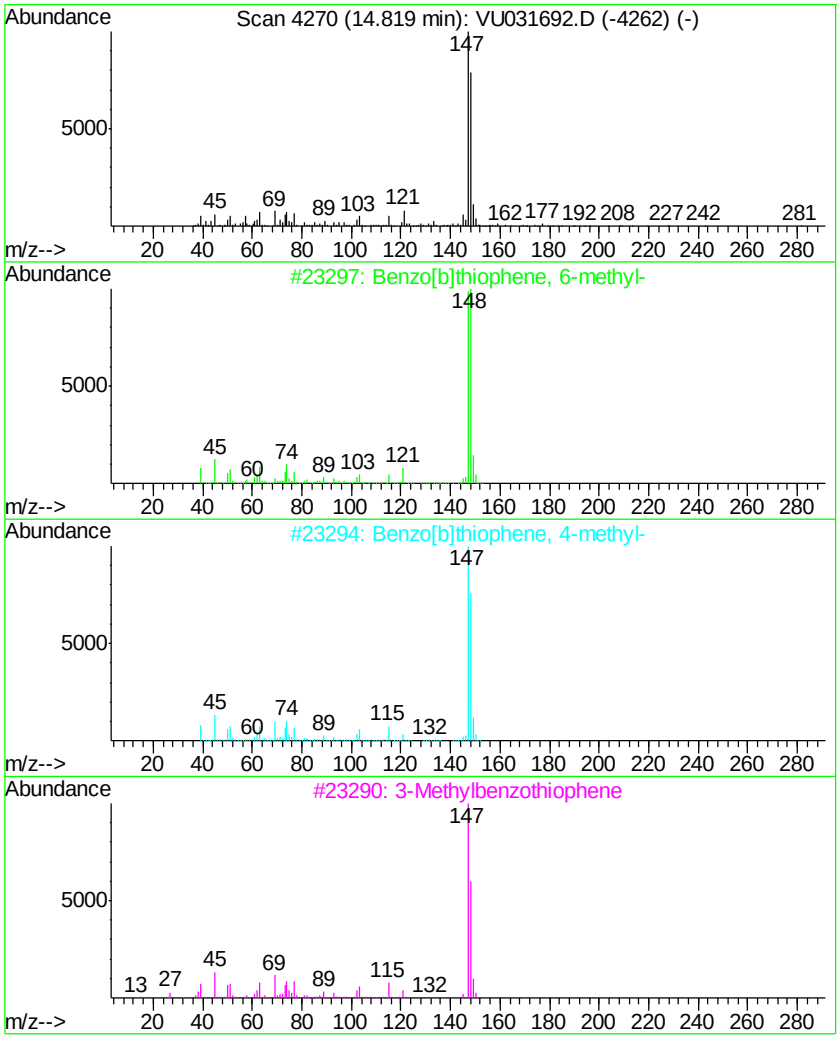
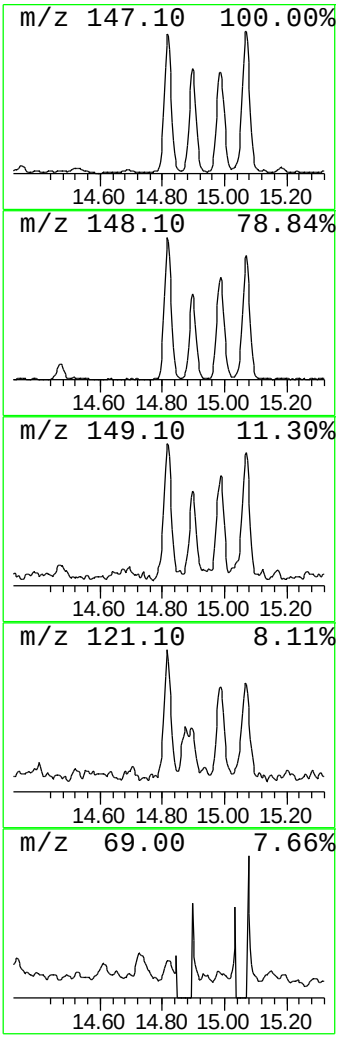
Peak Number 38 Benzo[b]thiophene, 6-methyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	8.98 ug/L	527839	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 6-methyl-	148	C9H8S	016587-47-6	93
2	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	91
3	3-Methylbenzothiophene	148	C9H8S	001455-18-1	91
4	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	91
5	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	90





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050119\
Data File : VU031692.D
Acq On : 01 May 2019 18:12
Operator : JC/SP
Sample : K2603-08
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ60

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

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

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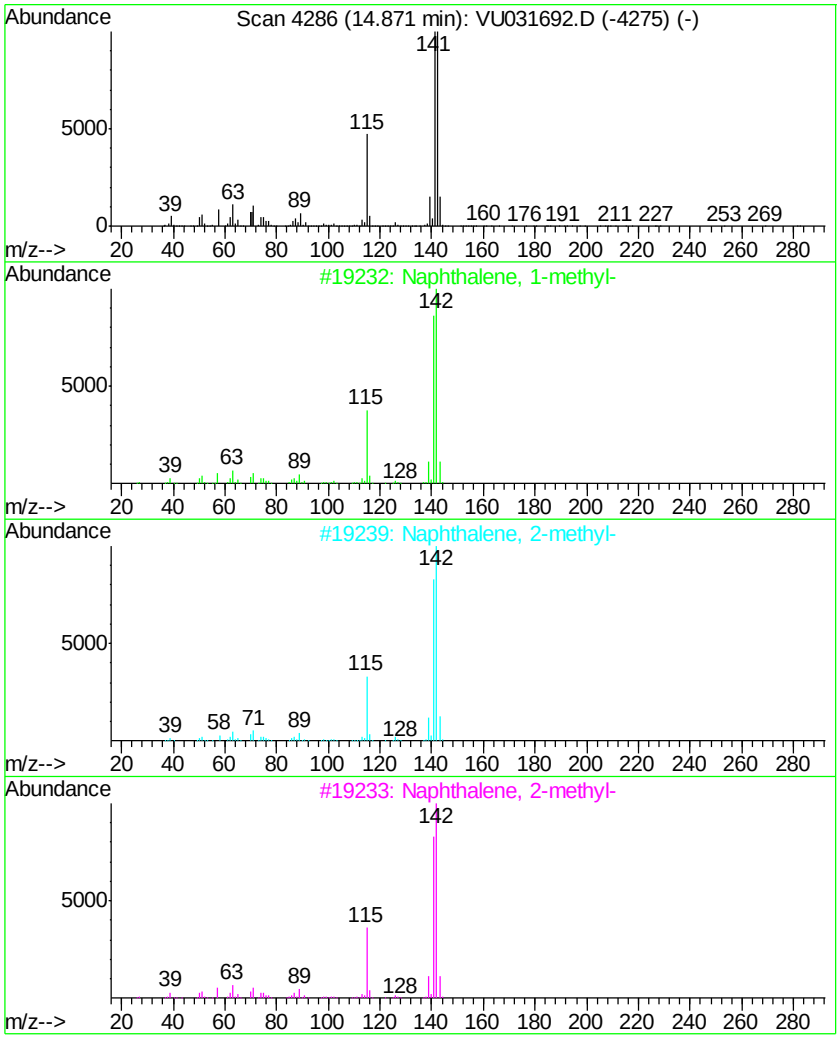
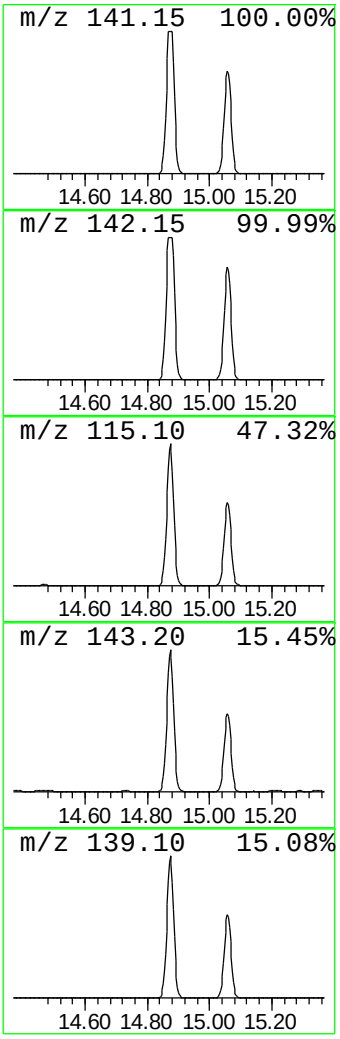
Peak Number 39 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	1070.33 ug/L	62893100	1,4-Dichlorobenzene-d4	11.49

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	Benzocycloheptatriene	142	C11H10	000264-09-5	94
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	94





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050119\
Data File : VU031692.D
Acq On : 01 May 2019 18:12
Operator : JC/SP
Sample : K2603-08
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ60

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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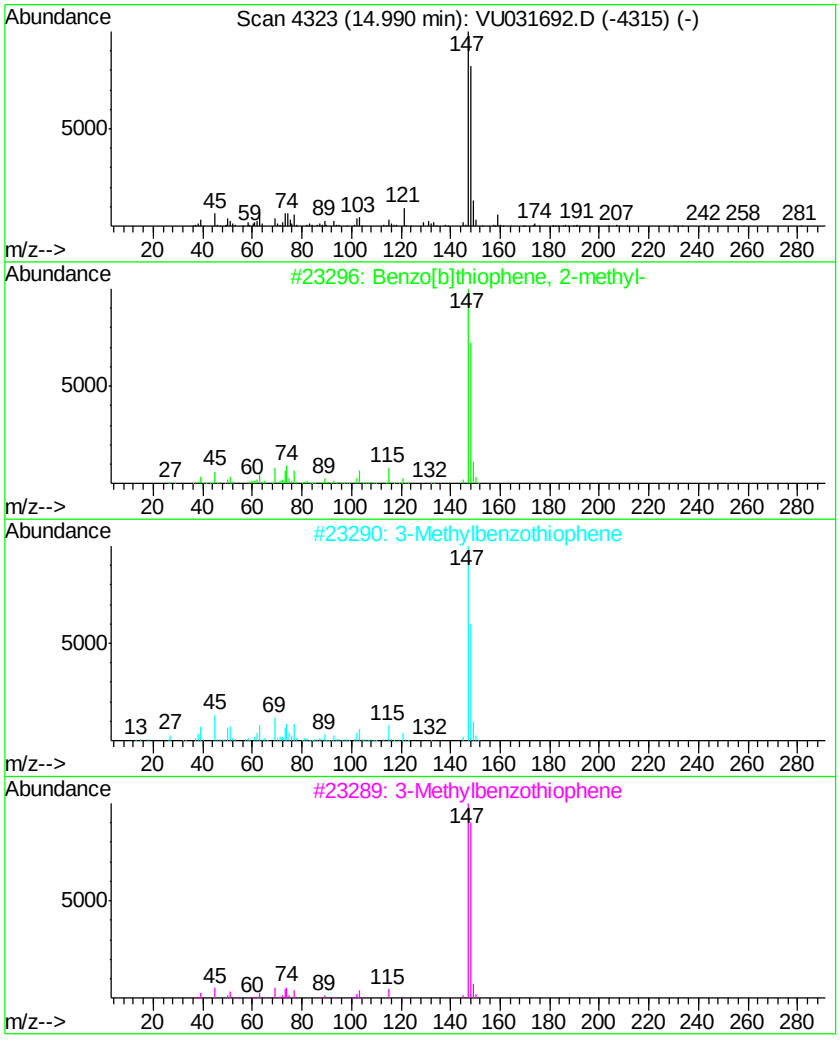
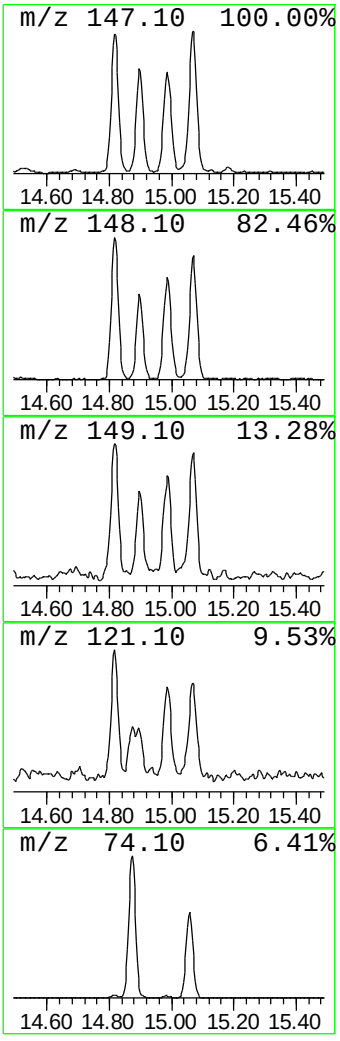
Peak Number 40 Benzo[b]thiophene, 2-methyl- Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.99	5.01 ug/L	294648	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	87
2	3-Methylbenzothiophene	148	C9H8S	001455-18-1	87
3	3-Methylbenzothiophene	148	C9H8S	001455-18-1	87
4	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	87
5	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	86





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Data File : VU031692.D
Acq On : 01 May 2019 18:12
Operator : JC/SP
Sample : K2603-08
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ60

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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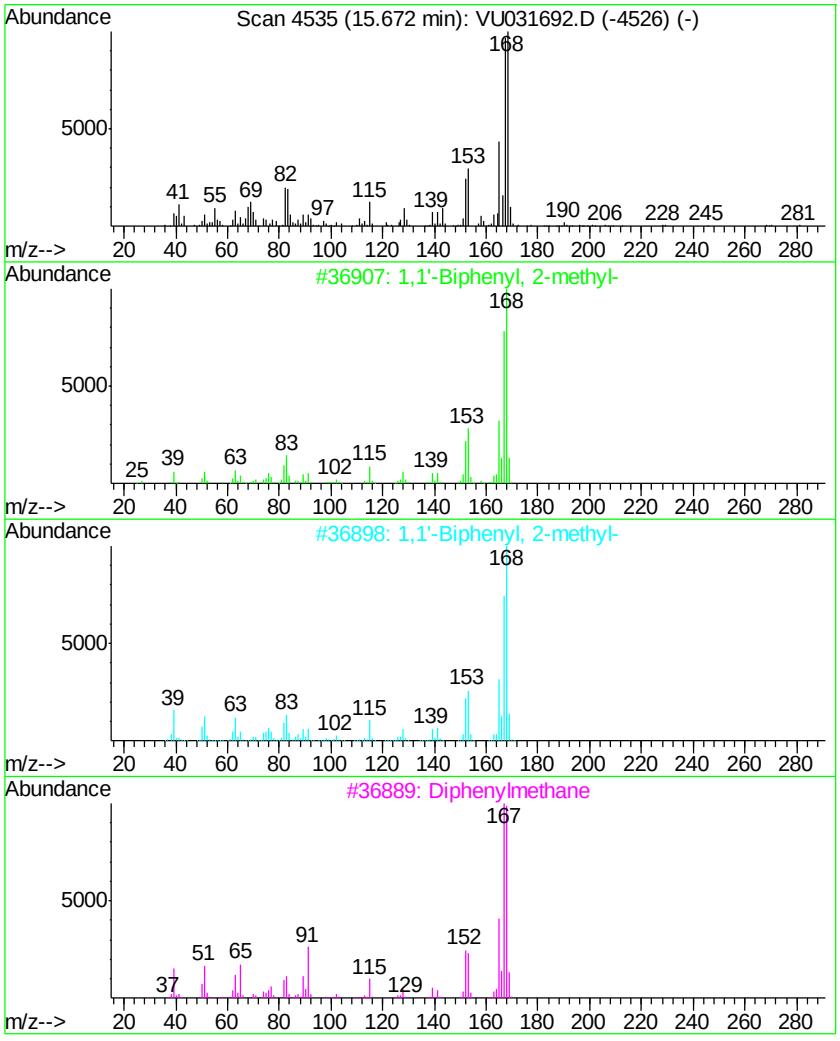
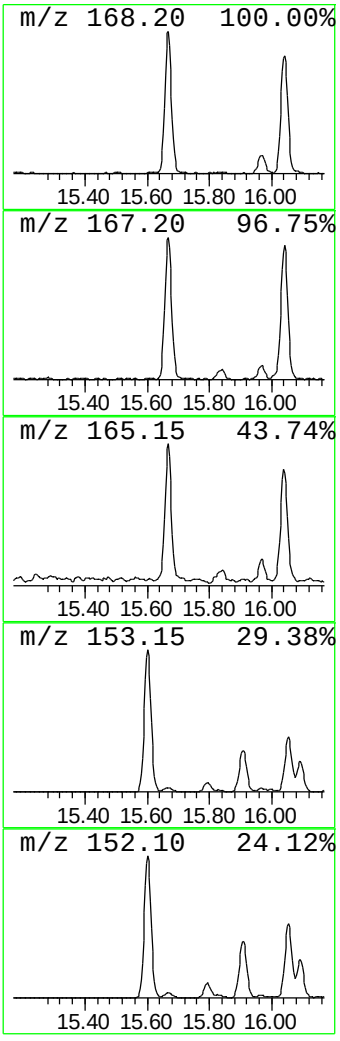
Peak Number 43 1,1'-Biphenyl, 2-methyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	7.82 ug/L	459327	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	96
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	93
3	Diphenylmethane	168	C13H12	000101-81-5	90
4	Diphenylmethane	168	C13H12	000101-81-5	90
5	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050119\
Data File : VU031692.D
Acq On : 01 May 2019 18:12
Operator : JC/SP
Sample : K2603-08
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ60

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	9.44	2.7	ug/L	174027	2	9.09	3169920	50.0
Benzene, propyl-	10.59	5.2	ug/L	308086	3	11.49	2938030	50.0
Benzene, 1-ethyl-...	10.71	19.5	ug/L	1144620	3	11.49	2938030	50.0
Benzene, 1,2,3-tr...	10.77	33.6	ug/L	1976300	3	11.49	2938030	50.0
(DEL) Alkane: Str...	10.81	11.2	ug/L	659966	3	11.49	2938030	50.0
Benzene, 1-etheny...	11.22	6.5	ug/L	383618	3	11.49	2938030	50.0
(DEL) Alkane: Str...	11.33	2.5	ug/L	148723	3	11.49	2938030	50.0
Benzofuran	11.40	9.3	ug/L	543376	3	11.49	2938030	50.0
Benzene, 2-propenyl-	11.63	27.6	ug/L	1619300	3	11.49	2938030	50.0
Indane	11.76	29.8	ug/L	1751330	3	11.49	2938030	50.0
Indene	11.98	485.3	ug/L	28514100	3	11.49	2938030	50.0
Benzene, 2-ethyl-...	12.15	3.5	ug/L	204516	3	11.49	2938030	50.0
unknown-01	12.35	4.9	ug/L	288500	3	11.49	2938030	50.0
Benzene, 2-etheny...	12.43	4.1	ug/L	240151	3	11.49	2938030	50.0
trans-Decalin, 2-...	12.51	4.4	ug/L	255906	3	11.49	2938030	50.0
(DEL) Alkane: Cyc...	12.60	8.6	ug/L	503637	3	11.49	2938030	50.0
Benzene, 1,2,4,5-...	12.65	10.9	ug/L	641972	3	11.49	2938030	50.0
o-Cymene	12.70	34.1	ug/L	2004270	3	11.49	2938030	50.0
Benzene, 4-etheny...	12.83	8.4	ug/L	492752	3	11.49	2938030	50.0
Benzene, 1-etheny...	12.96	9.5	ug/L	557098	3	11.49	2938030	50.0
Benzene, 2-butenyl-	13.12	57.9	ug/L	3400910	3	11.49	2938030	50.0
Benzene, (1-methy...	13.18	93.7	ug/L	5504280	3	11.49	2938030	50.0
2-Methylindene	13.29	123.2	ug/L	7239140	3	11.49	2938030	50.0
1,4-Dihydronaphth...	13.39	19.7	ug/L	1160050	3	11.49	2938030	50.0
1H-Indene, 2,3-di...	13.46	3.1	ug/L	181750	3	11.49	2938030	50.0
1H-Indene, 2,3-di...	13.51	4.7	ug/L	276121	3	11.49	2938030	50.0
Benzo[b]thiophene	13.86	46.6	ug/L	2739570	3	11.49	2938030	50.0
(DEL) Alkane: Str...	14.14	12.4	ug/L	726683	3	11.49	2938030	50.0
1H-Indene, 2,3-di...	14.33	21.1	ug/L	1238710	3	11.49	2938030	50.0
Naphthalene, 1,2-...	14.73	3.8	ug/L	225049	3	11.49	2938030	50.0
Benzo[b]thiophene...	14.82	9.0	ug/L	527839	3	11.49	2938030	50.0
Naphthalene, 1-me...	14.87	1070.3	ug/L	62893100	3	11.49	2938030	50.0
Benzo[b]thiophene...	14.99	5.0	ug/L	294648	3	11.49	2938030	50.0
1,1'-Biphenyl, 2-...	15.67	7.8	ug/L	459327	3	11.49	2938030	50.0