LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031364.D
Acq On : 19 Apr 2019 17:11
Operator : JC/SP
Sample : K2402-05 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH7

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\SOMULM041719WMA.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	39	rVB3	14521	15411	0.01%	0.003%
2	1.395	88	95	108	rBV	274230	310644	0.18%	0.067%
3	1.678	175	183	195	rBV	243350	327295	0.19%	0.071%
4	2.264	354	365	378	rVB	544329	835074	0.49%	0.181%
5	2.530	440	448	449	rBV6	2312	2371	0.00%	0.001%
6	2.698	491	500	504	rBV5	12102	19720	0.01%	0.004%
7	2.987	576	590	603	rBV5	14802	33366	0.02%	0.007%
8	3.173	641	648	650	rBV6	2066	2017	0.00%	0.000%
9	3.296	674	686	700	rVV3	16607	36114	0.02%	0.008%
10	3.643	787	794	797	rBV7	2636	3413	0.00%	0.001%
11	3.836	846	854	855	rBV2	1231	1413	0.00%	0.000%
12	3.984	885	900	916	rVV4	12206	32876	0.02%	0.007%
13	4.083	916	931	950	rVB4	23230	61542	0.04%	0.013%
14	4.202	950	968	1017	rBV2	168177	744532	0.43%	0.161%
15	4.643	1088	1105	1128	rBV	407519	987403	0.57%	0.214%
16	4.878	1172	1178	1179	rBV4	1615	1618	0.00%	0.000%
17	4.984	1199	1211	1224	rBV6	30785	70409	0.04%	0.015%
18	5.074	1228	1239	1256	rVB3	26284	66134	0.04%	0.014%
19	5.215	1267	1283	1297	rBV4	19646	52739	0.03%	0.011%
20	5.334	1297	1320	1352	rVV2	865129	2616946	1.52%	0.567%
21	5.614	1400	1407	1421	rVB7	16107	34496	0.02%	0.007%
22	5.781	1446	1459	1475	rVB5	10982	25589	0.01%	0.006%
23	5.884	1475	1491	1533	rBV	711299	1553031	0.90%	0.336%
24	6.177	1573	1582	1584	rBV6	5316	6850	0.00%	0.001%
25	6.328	1614	1629	1646	rBV	480339	1016202	0.59%	0.220%
26	6.636	1717	1725	1732	rBV6	5149	7717	0.00%	0.002%
27	6.726	1743	1753	1754	rBV6	3622	4026	0.00%	0.001%
28	6.820	1775	1782	1784	rBV6	2111	2214	0.00%	0.000%
29	6.903	1799	1808	1809	rBV5	7864	7960	0.00%	0.002%
30	7.035	1841	1849	1850	rBV8	4232	3832	0.00%	0.001%
31	7.103	1865	1870	1881	rVB8	4140	6679	0.00%	0.001%
32	7.177	1889	1893	1897	rBV4	2769	3055	0.00%	0.001%
33	7.225	1897	1908	1936	rVB	271827	518440	0.30%	0.112%
34	7.431	1965	1972	1985	rVB8	7574	14306	0.01%	0.003%

LSC Area Percent Report

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Acq On : 19 Apr 2019 17:11
Operator : JC/SP
Sample : K2402-05 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH7

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\SOMULM041719WMA.M
Title : VOC Analysis

35	7.562	1990	2013	2028	rBV	942830	1765463	1.03%	0.382%
36	7.849	2087	2102	2117	rBV	182811	340724	0.20%	0.074%
37	8.086	2172	2176	2179	rBV6	2784	2879	0.00%	0.001%
38	8.225	2213	2219	2226	rBV8	2594	3316	0.00%	0.001%
39	8.318	2236	2248	2275	rBV	697908	1409628	0.82%	0.305%
40	8.746	2373	2381	2392	rBV	8275	14435	0.01%	0.003%
41	8.810	2395	2401	2403	rBV5	3543	3658	0.00%	0.001%
42	9.032	2453	2470	2476	rBV8	9256	21374	0.01%	0.005%
43	9.086	2476	2487	2509	rBV	904520	1577856	0.92%	0.342%
44	9.250	2527	2538	2550	rBV	134701	236736	0.14%	0.051%
45	9.369	2563	2575	2592	rBV	2580195	4479365	2.60%	0.970%
46	9.559	2627	2634	2640	rVV	7625	11411	0.01%	0.002%
47	9.778	2690	2702	2733	rBV4	1698662	3337188	1.94%	0.723%
48	10.164	2814	2822	2831	rBV2	35760	61582	0.04%	0.013%
49	10.430	2894	2905	2918	rBV	741427	1202732	0.70%	0.261%
50	10.585	2944	2953	2971	rBV	183033	294868	0.17%	0.064%
51	10.678	2971	2982	2998	rBV	850992	1859163	1.08%	0.403%
52	10.768	2999	3010	3019	rBV	1248888	1988930	1.16%	0.431%
53	10.967	3063	3072	3078	rBV	313636	534141	0.31%	0.116%
54	11.144	3110	3127	3139	rBV	3986752	6279876	3.65%	1.361%
55	11.212	3139	3148	3157	rVV	1344805	2046354	1.19%	0.443%
56	11.263	3157	3164	3176	rVB	507318	785945	0.46%	0.170%
57	11.482	3222	3232	3243	rBV	1077305	1661679	0.97%	0.360%
58	11.569	3249	3259	3268	rBV	1280664	1916976	1.11%	0.415%
59	11.623	3268	3276	3293	rVB	958820	1472058	0.86%	0.319%
60	11.762	3309	3319	3328	rBV3	730407	1282305	0.75%	0.278%
61	11.861	3340	3350	3365	rVB3	1312250	2482797	1.44%	0.538%
62	11.977	3375	3386	3398	rBV	13375953	20678711	12.02%	4.480%
63	12.147	3430	3439	3442	rBV2	210755	330966	0.19%	0.072%
64	12.247	3455	3470	3477	rBV5	380421	848340	0.49%	0.184%
65	12.424	3516	3525	3535	rVB	688076	1072201	0.62%	0.232%
66	12.482	3536	3543	3557	rBV3	187472	305710	0.18%	0.066%
67	12.646	3587	3594	3602	rVB	365466	519183	0.30%	0.112%
68	12.700	3602	3611	3624	rBV	963606	1624701	0.94%	0.352%
69	12.823	3641	3649	3660	rBV2	564960	1074286	0.62%	0.233%
70	12.961	3685	3692	3706	rVB	340729	517750	0.30%	0.112%
71	13.083	3723	3730	3732	rBV2	170893	203715	0.12%	0.044%

LSC Area Percent Report

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Sample : K2402-05 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH7

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\SOMULM041719WMA.M
Title : VOC Analysis

72	13.118	3733	3741	3750	rVV4	1393612	2241213	1.30%	0.486%
73	13.183	3751	3761	3773	rVB	4603295	6904006	4.01%	1.496%
74	13.289	3782	3794	3812	rVB	5133830	8294302	4.82%	1.797%
75	13.385	3814	3824	3839	rVB2	722064	1294775	0.75%	0.281%
76	13.758	3922	3940	3961	rVV2	84823287	172090031	100.00%	37.284%
77	13.861	3963	3972	3993	rVB	1302671	2155520	1.25%	0.467%
78	14.141	4053	4059	4065	rBV4	197602	295814	0.17%	0.064%
79	14.337	4111	4120	4128	rBV2	729549	1258514	0.73%	0.273%
80	14.585	4190	4197	4211	rVB2	203319	336960	0.20%	0.073%
81	14.729	4236	4242	4259	rVB	387283	693329	0.40%	0.150%
82	14.819	4261	4270	4276	rVV	441504	690289	0.40%	0.150%
83	14.880	4276	4289	4312	rVV3	50562964	81782506	47.52%	17.718%
84	14.986	4316	4322	4332	rVB	298046	484375	0.28%	0.105%
85	15.060	4332	4345	4365	rBV	30078805	47586012	27.65%	10.310%
86	15.604	4503	4514	4524	rBV	5369813	8184100	4.76%	1.773%
87	15.794	4566	4573	4580	rBV	1121072	1549640	0.90%	0.336%
88	15.909	4597	4609	4631	rBV	6782599	11823692	6.87%	2.562%
89	16.057	4644	4655	4661	rBV	8374174	13124266	7.63%	2.843%
90	16.093	4662	4666	4679	rVB	4296303	5987497	3.48%	1.297%
91	16.186	4686	4695	4706	rVB	1483189	2306445	1.34%	0.500%
92	16.282	4707	4725	4747	rVB	2337281	5960375	3.46%	1.291%
93	16.427	4761	4770	4788	rBV	1381748	2219980	1.29%	0.481%
94	16.523	4789	4800	4818	rVB3	2939150	5495344	3.19%	1.191%
95	16.630	4826	4833	4844	rVB2	609429	986414	0.57%	0.214%
96	16.732	4856	4865	4872	rBV	951237	1585214	0.92%	0.343%
97	16.867	4902	4907	4915	rVB2	166860	214867	0.12%	0.047%
98	16.967	4933	4938	4946	rVB	533580	639916	0.37%	0.139%
99	17.163	4991	4999	5009	rVB2	696318	1104205	0.64%	0.239%
100	17.224	5011	5018	5029	rVB	392659	604071	0.35%	0.131%

Sum of corrected areas: 461568108

LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
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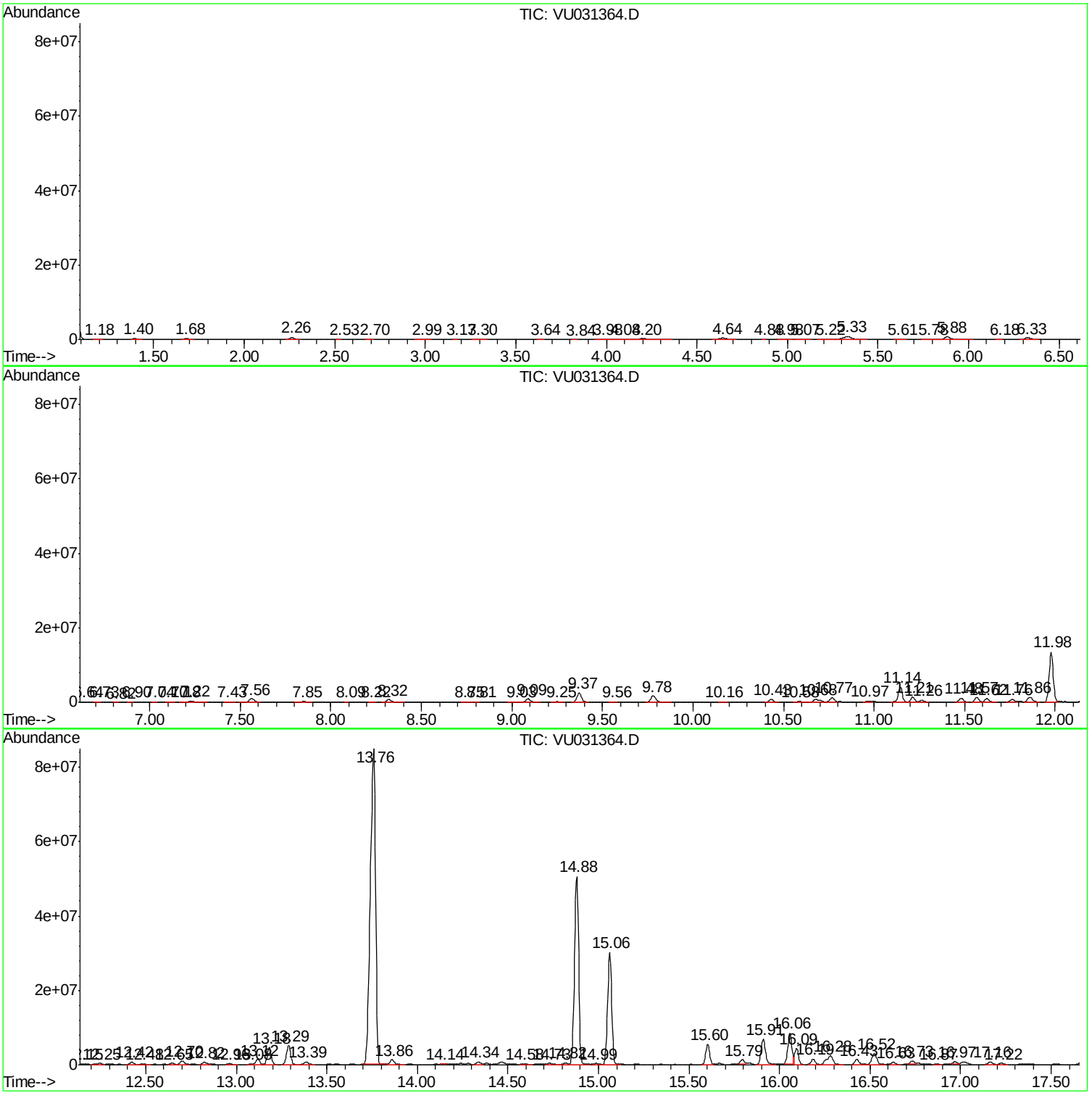
Operator : JC/SP
Sample : K2402-05 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031364.D
Acq On : 19 Apr 2019 17:11
Operator : JC/SP
Sample : K2402-05 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

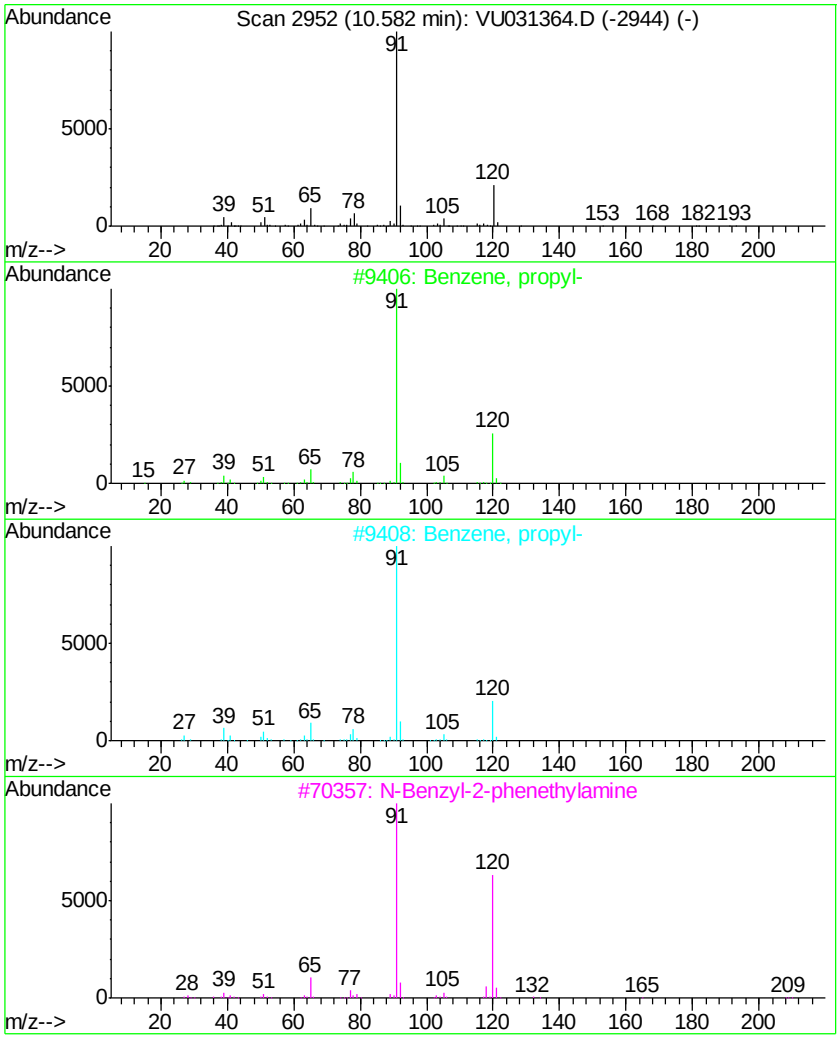
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

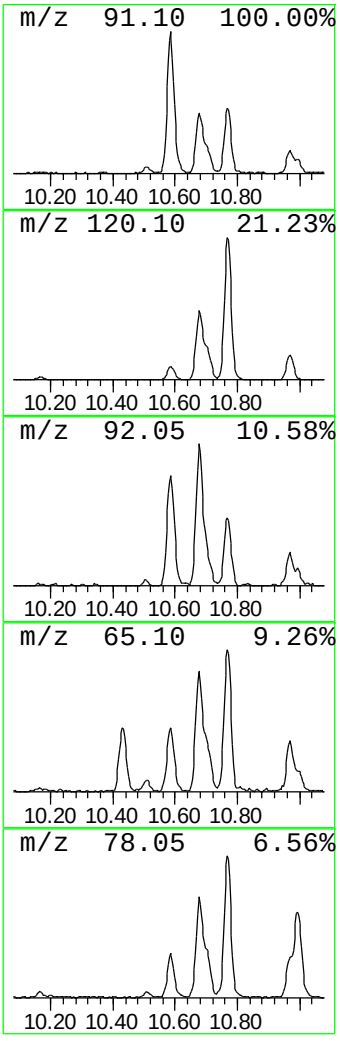
****

Peak Number 2 Benzene, propyl- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	8.87 ug/L	294868	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	90
3	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	78
4	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	64
5	Benzene, (ethenyloxy)-	120	C8H8O	000766-94-9	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031364.D
Acq On : 19 Apr 2019 17:11
Operator : JC/SP
Sample : K2402-05 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

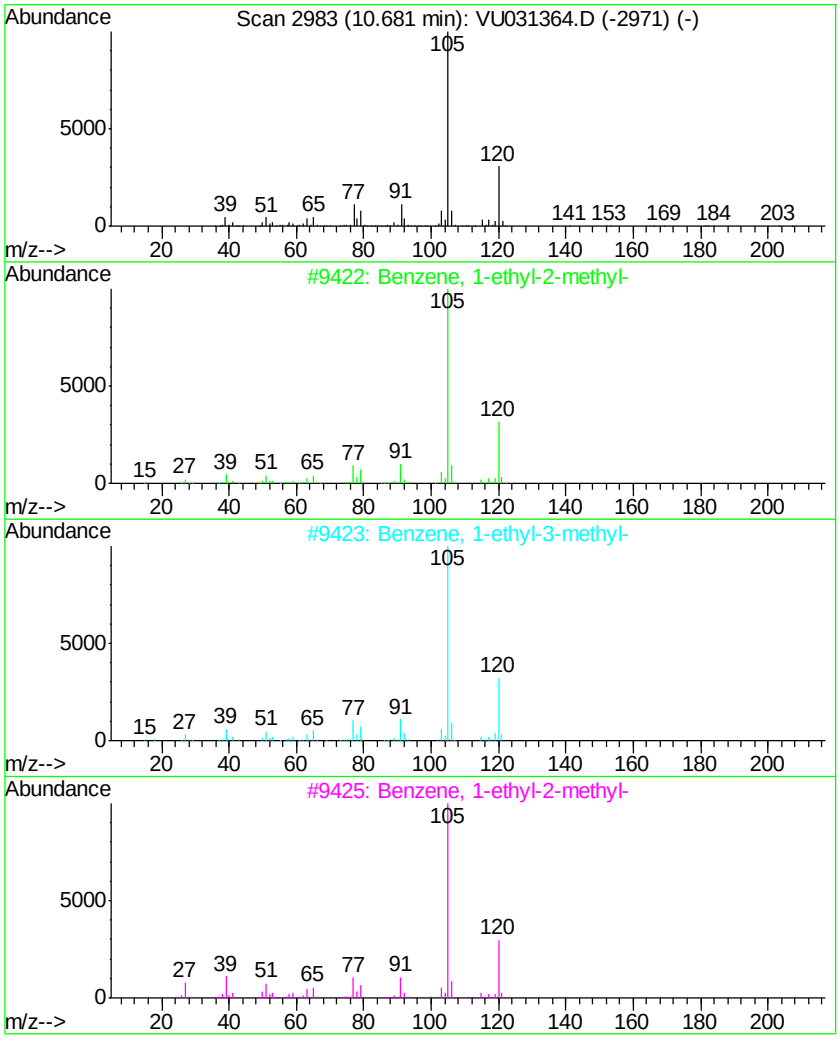
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

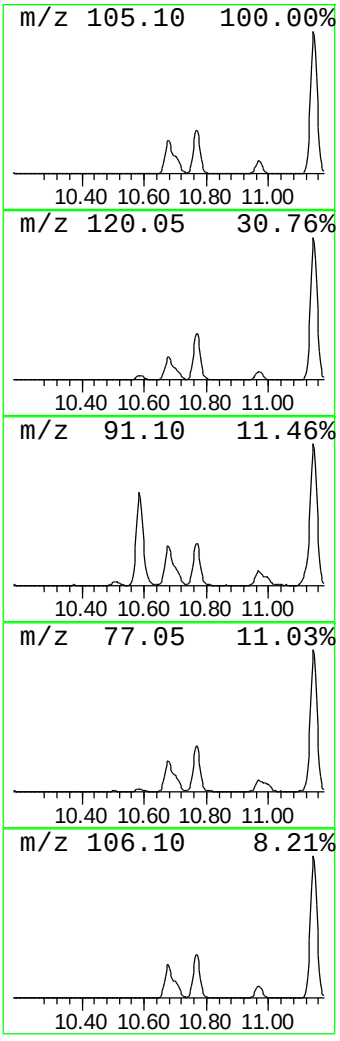
****

Peak Number 3 Benzene, 1-ethyl-2-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	55.94 ug/L	1859160	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	95
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042019\
Data File : VU031364.D
Acq On : 19 Apr 2019 17:11
Operator : JC/SP
Sample : K2402-05 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

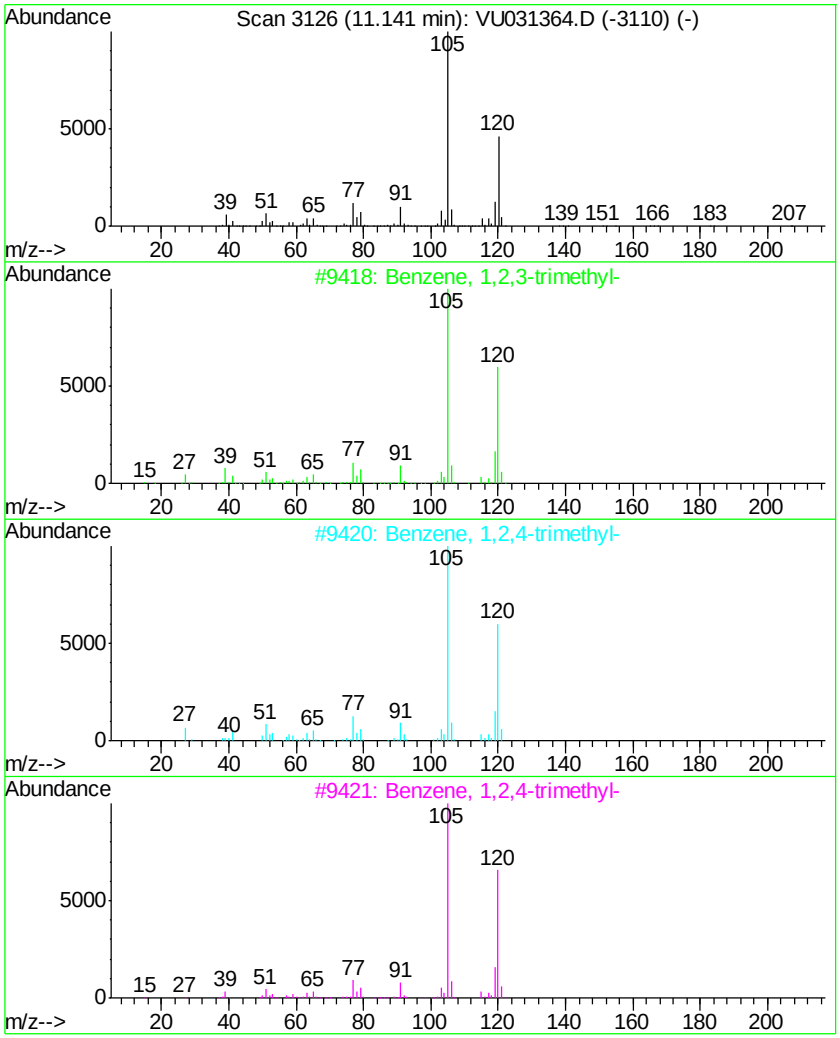
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

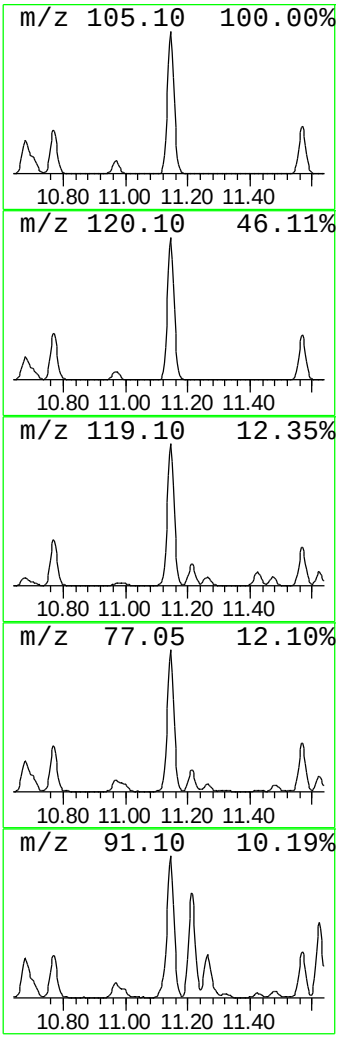
****

Peak Number 6 Benzene, 1,2,3-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	188.96 ug/L	6279880	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	95
4	Mesitylene	120	C9H12	000108-67-8	94
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031364.D
Acq On : 19 Apr 2019 17:11
Operator : JC/SP
Sample : K2402-05 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

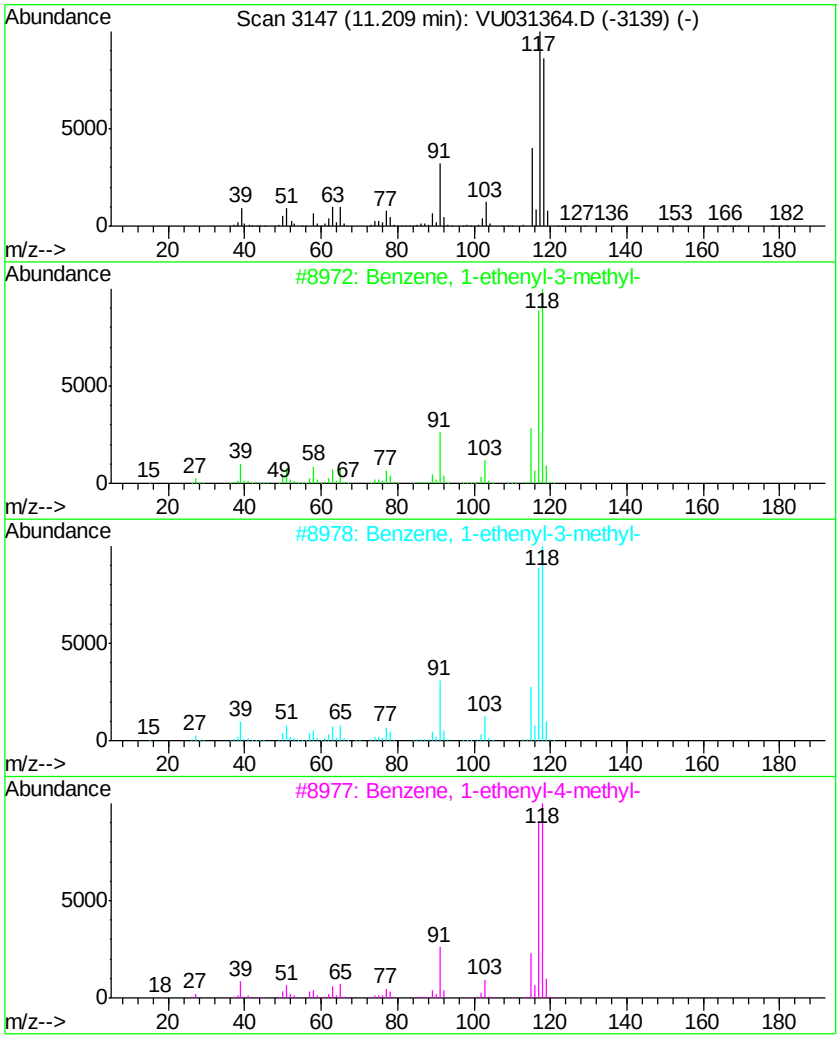
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

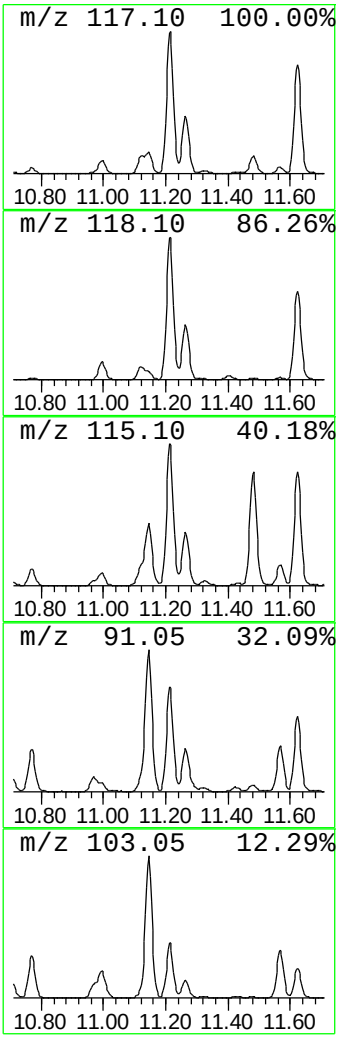
****

Peak Number 7 Benzene, 1-ethenyl-3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	61.57 ug/L	2046350	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
2	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
3	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	95
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
5	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	94





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031364.D
Acq On : 19 Apr 2019 17:11
Operator : JC/SP
Sample : K2402-05 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

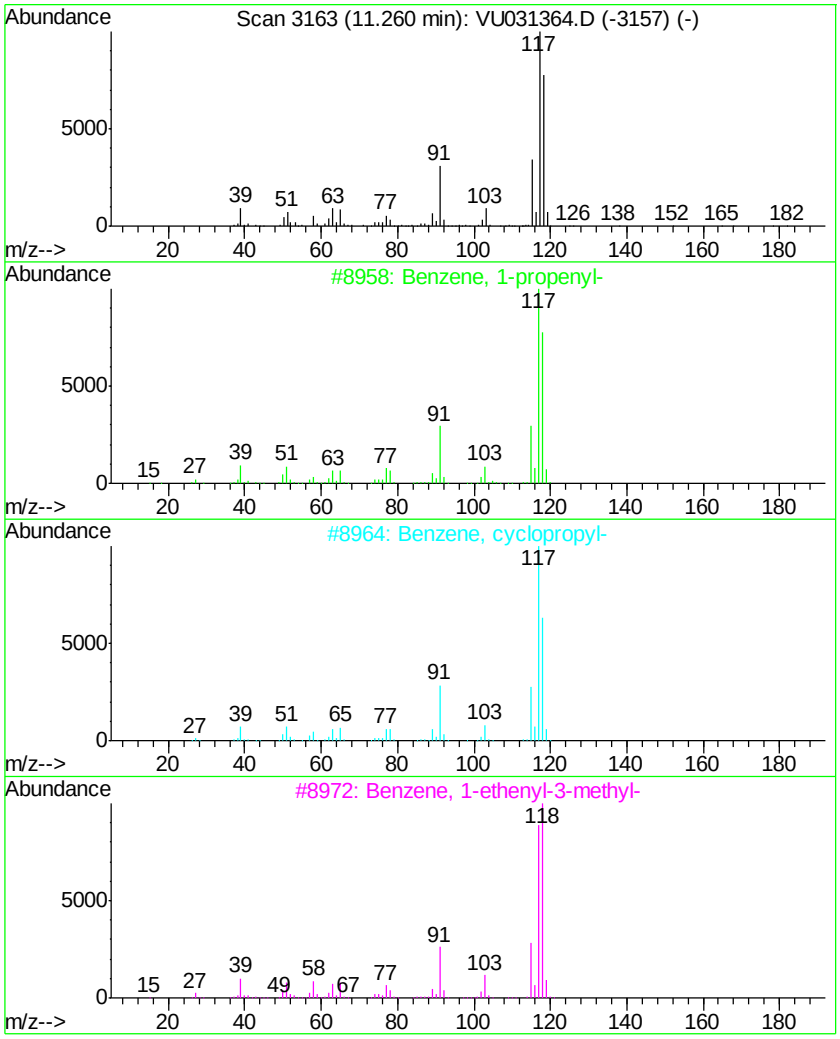
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

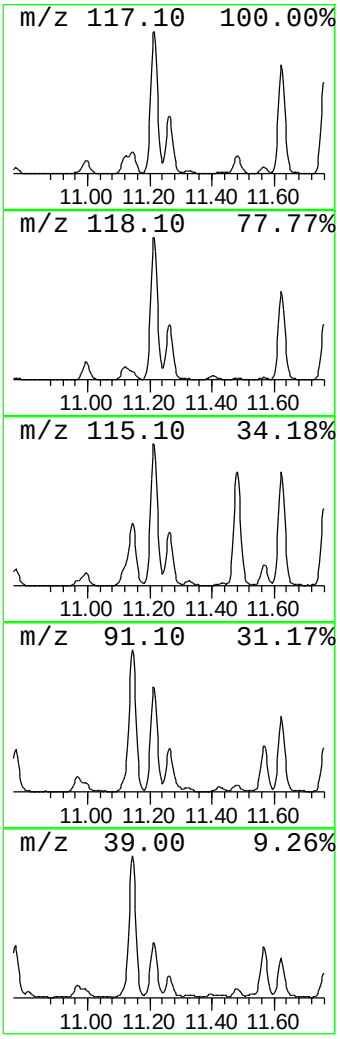
****

Peak Number 8 Benzene, 1-propenyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	23.65 ug/L	785945	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propenyl-	118	C9H10	000637-50-3	94
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
3	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	94
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	93
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031364.D
Acq On : 19 Apr 2019 17:11
Operator : JC/SP
Sample : K2402-05 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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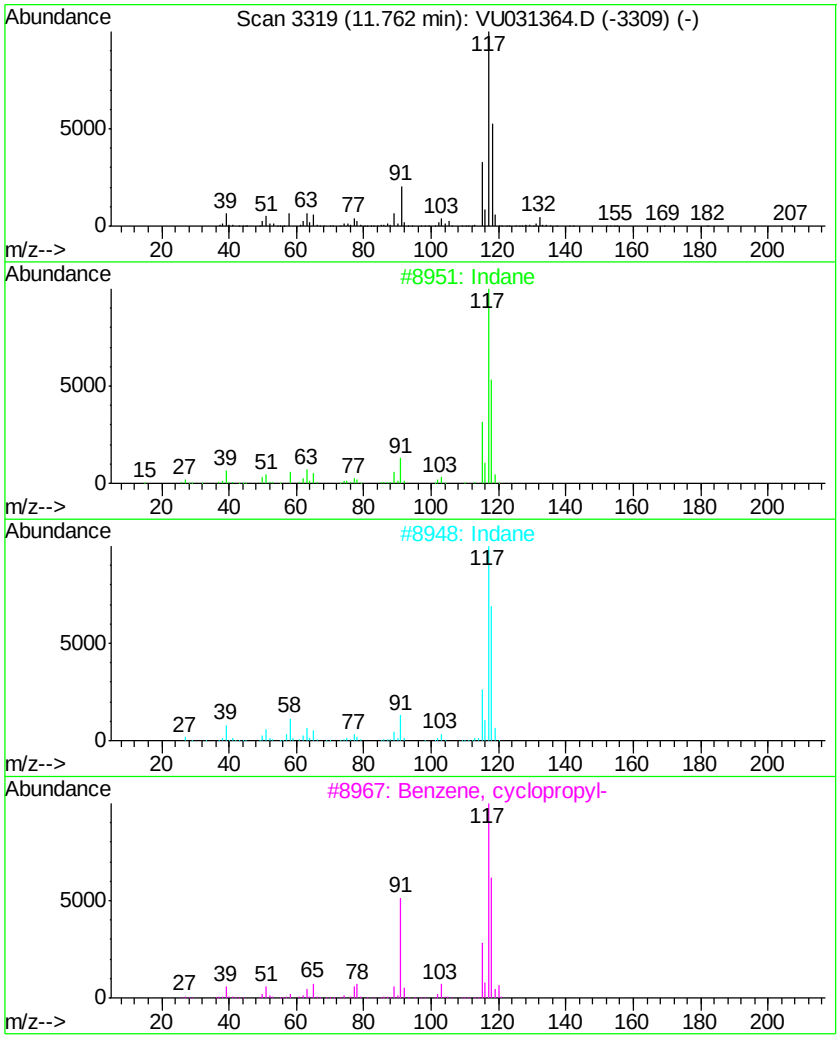
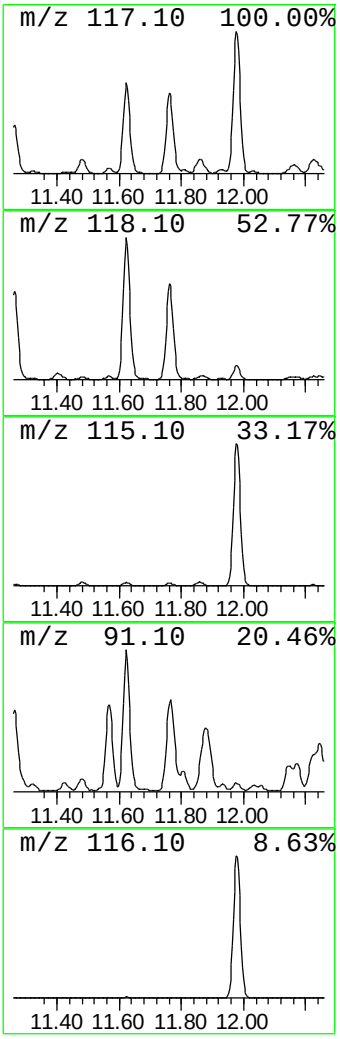
Peak Number 11 Indane Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	38.58 ug/L	1282310	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Indane	118	C9H10	000496-11-7	81
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	74
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	74
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72





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Data File : VU031364.D
Acq On : 19 Apr 2019 17:11
Operator : JC/SP
Sample : K2402-05 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

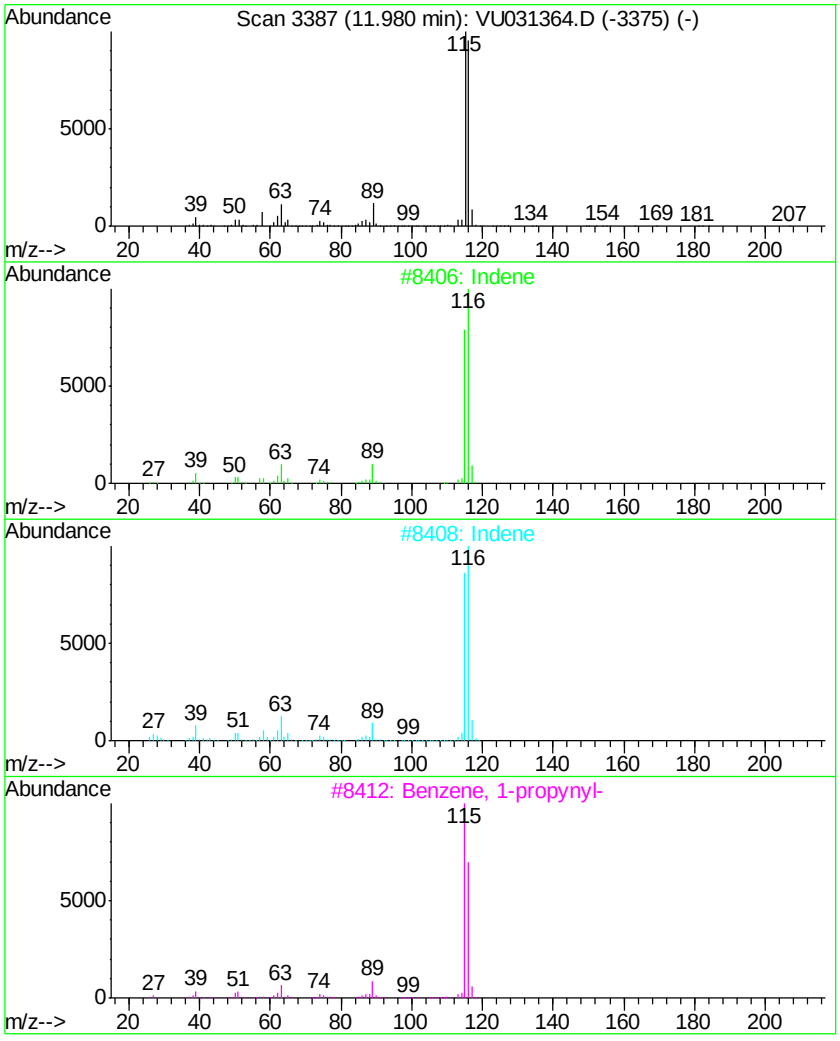
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

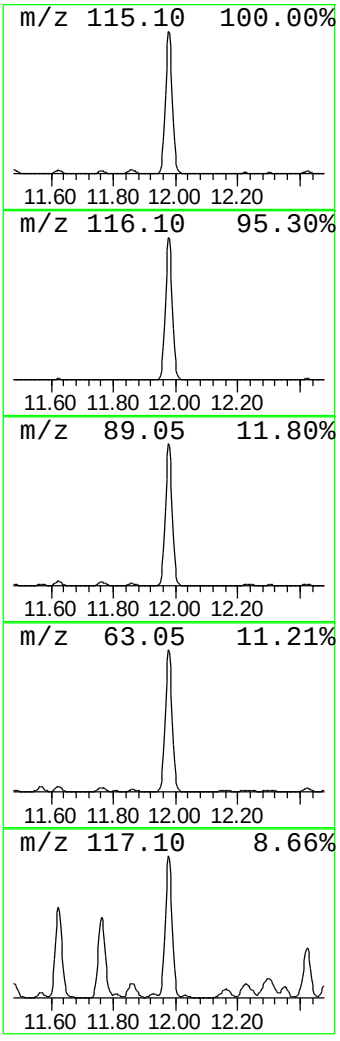
****

Peak Number 12 Indene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	622.22 ug/L	20678700	1,4-Dichlorobenzene-d4	11.48

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





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031364.D
Acq On : 19 Apr 2019 17:11
Operator : JC/SP
Sample : K2402-05 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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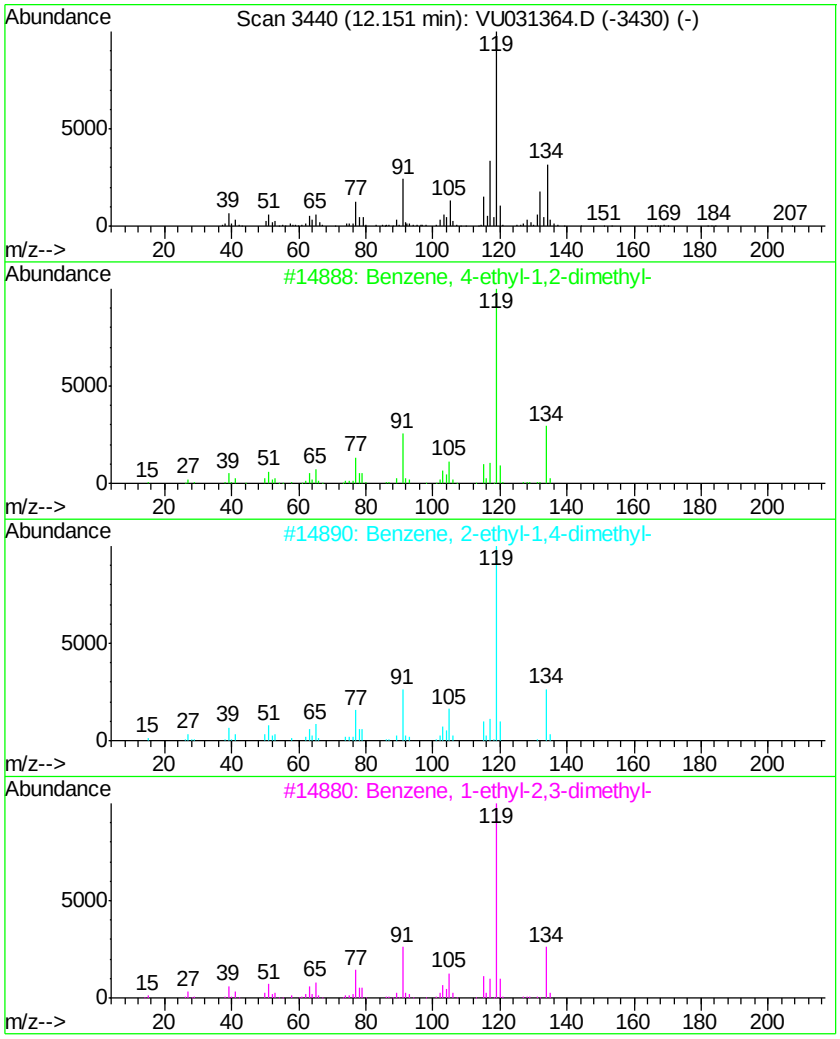
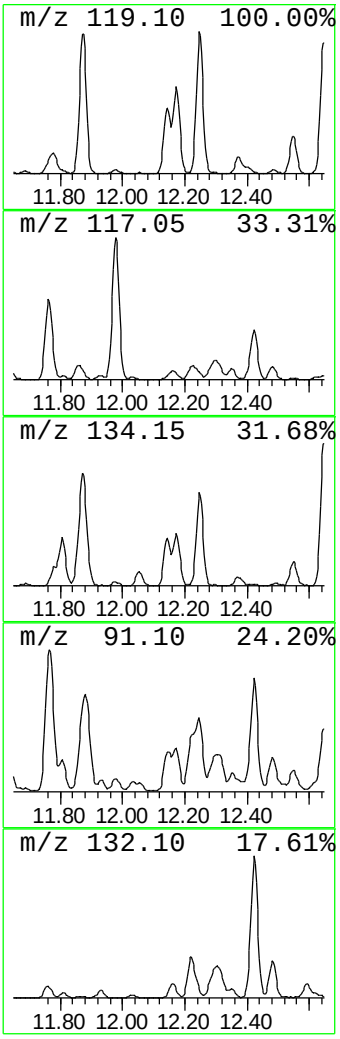
Peak Number 13 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	9.96 ug/L	330966	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	90
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
4	7-Methoxymethyl-2,7-dimethylcycl...	164	C11H16O	073992-48-0	83
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	81





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031364.D
Acq On : 19 Apr 2019 17:11
Operator : JC/SP
Sample : K2402-05 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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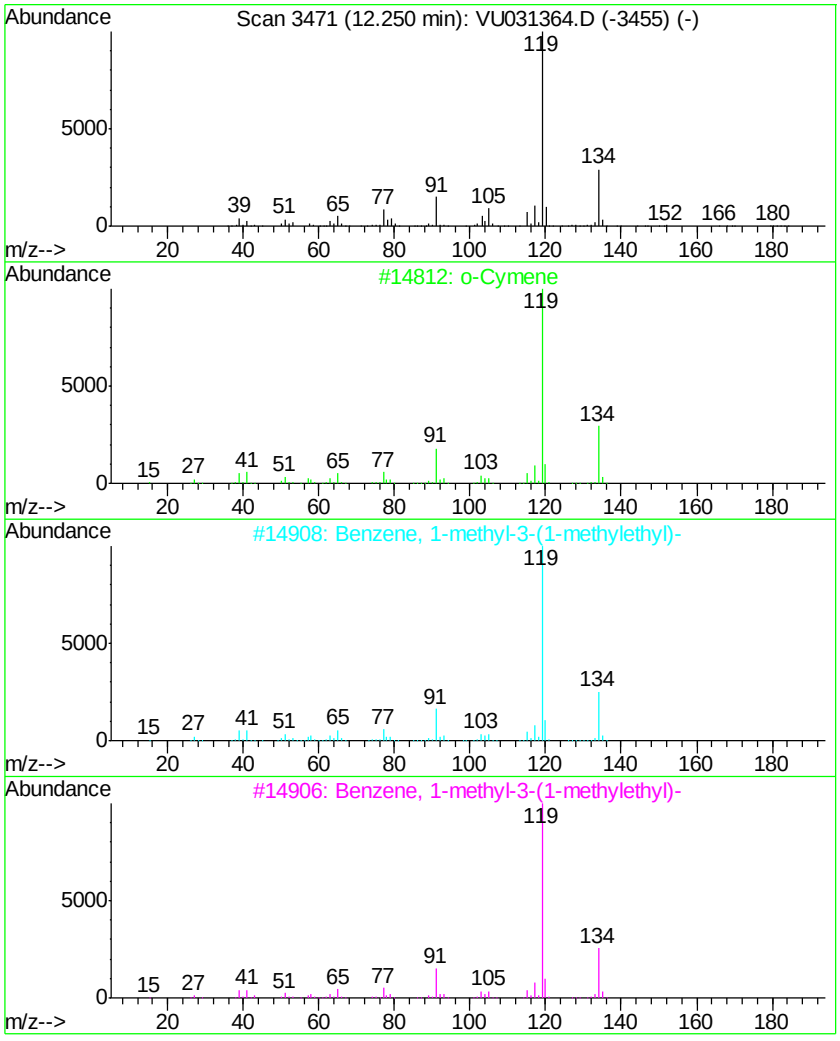
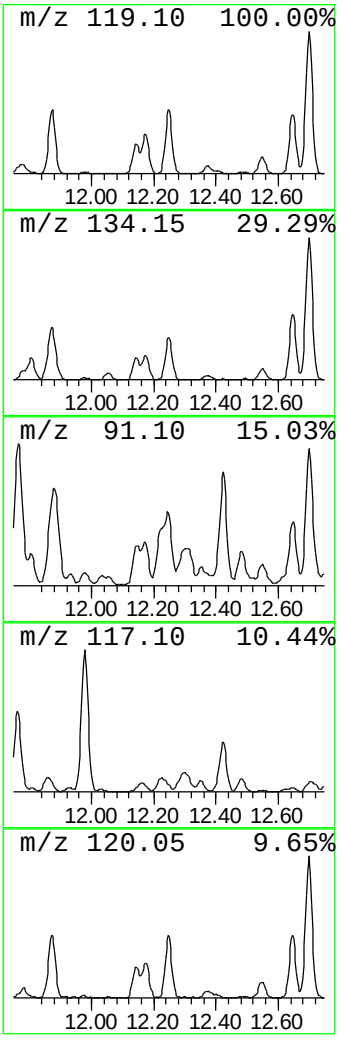
Peak Number 14 o-Cymene Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	25.53 ug/L	848340	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	95
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





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Data File : VU031364.D
Acq On : 19 Apr 2019 17:11
Operator : JC/SP
Sample : K2402-05 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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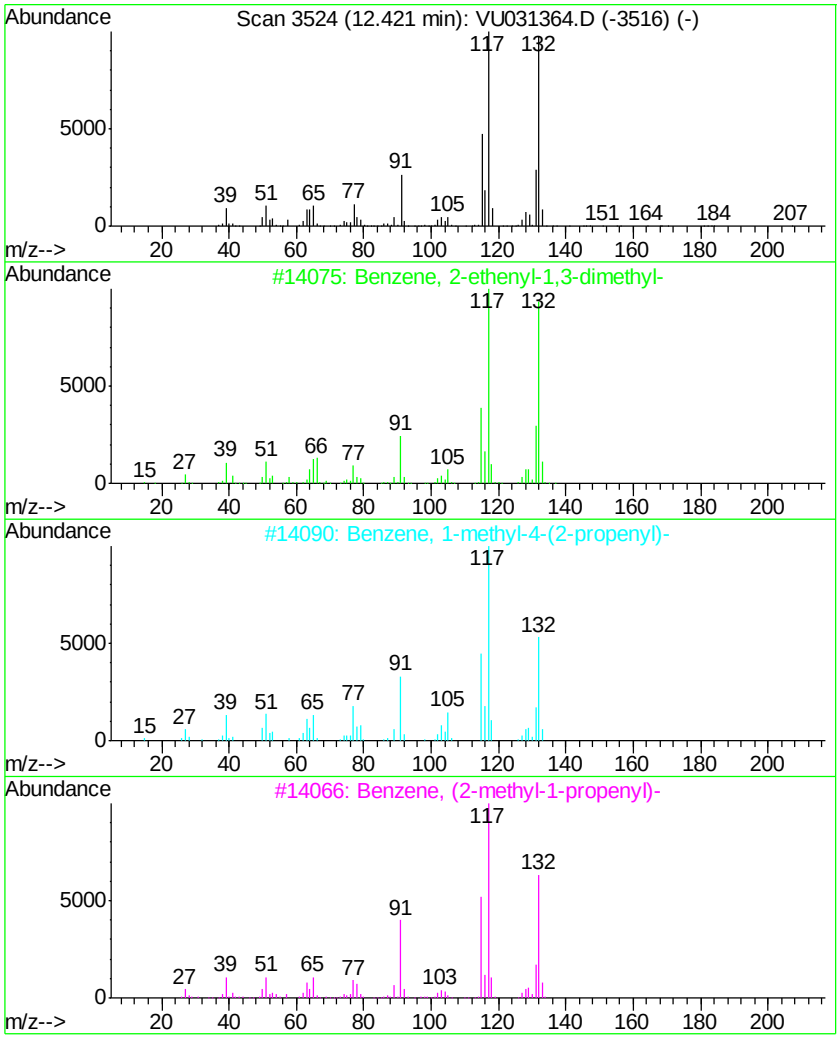
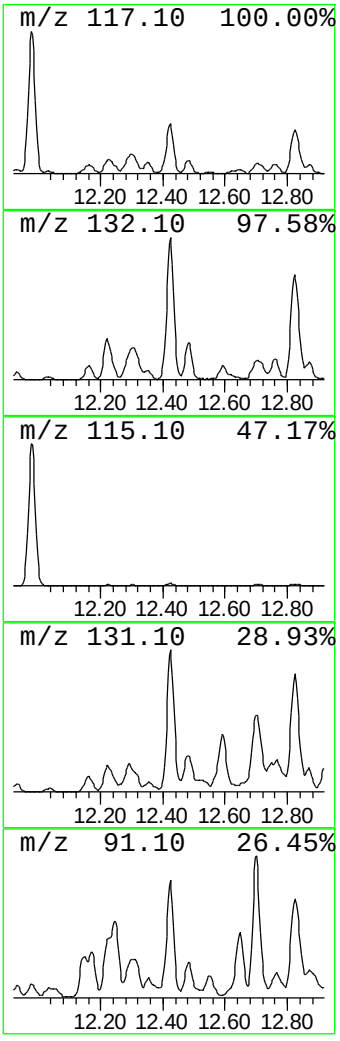
Peak Number 15 Benzene, 2-ethenyl-1,3-dime... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	32.26 ug/L	1072200	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	94
2	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	94
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	93
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	91
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	91





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Data File : VU031364.D
Acq On : 19 Apr 2019 17:11
Operator : JC/SP
Sample : K2402-05 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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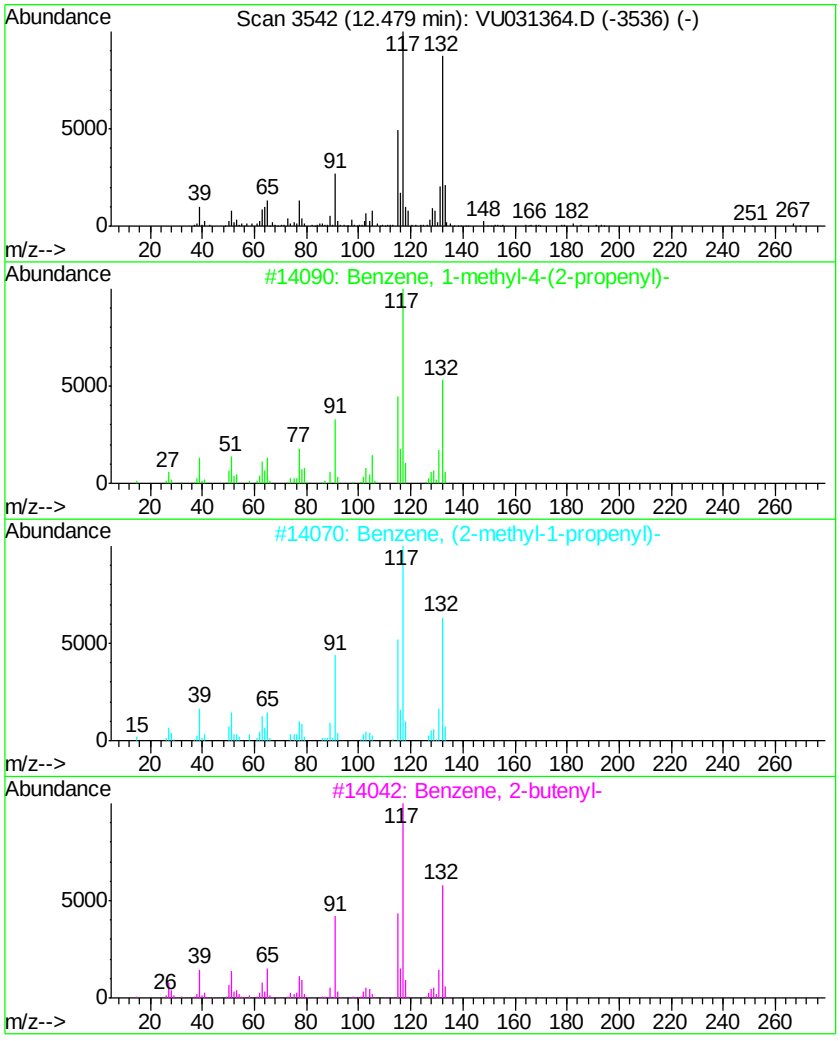
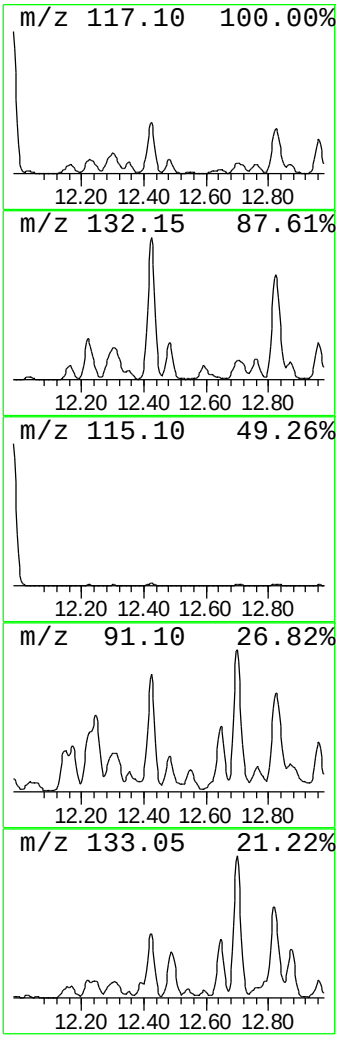
Peak Number 16 Benzene, 1-methyl-4-(2-prop... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	9.20 ug/L	305710	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	94
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	94
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	93
4	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	93
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	93





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Data File : VU031364.D
Acq On : 19 Apr 2019 17:11
Operator : JC/SP
Sample : K2402-05 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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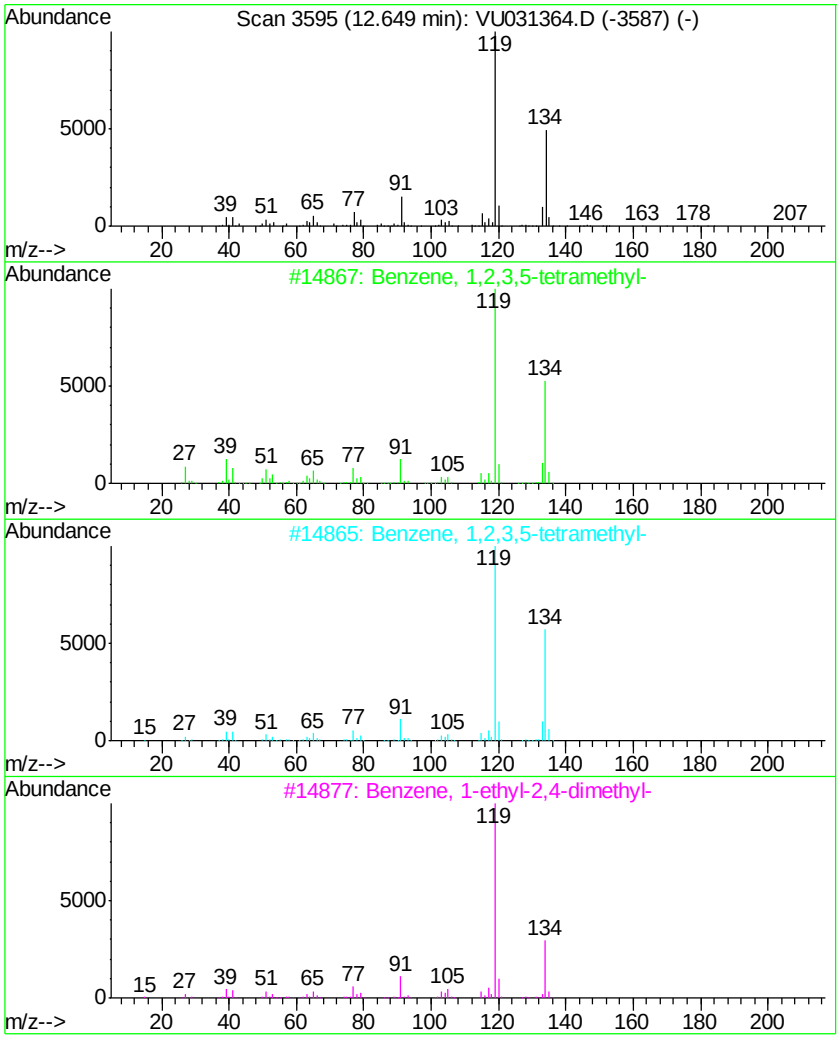
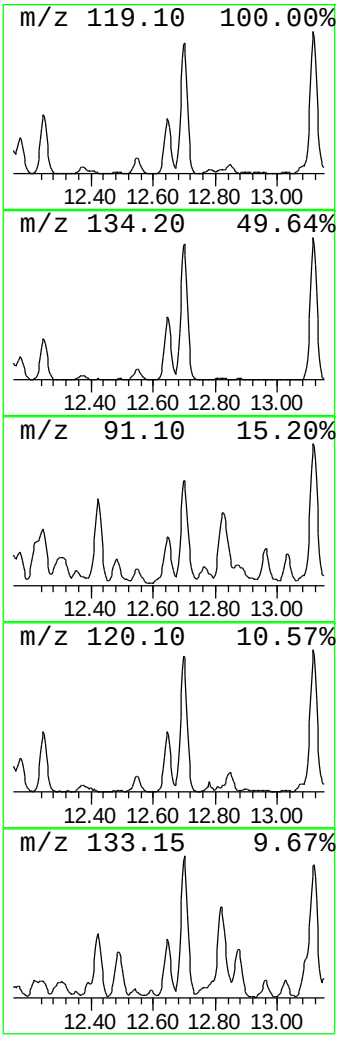
Peak Number 17 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	15.62 ug/L	519183	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Library Search Compound Report

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Data File : VU031364.D
Acq On : 19 Apr 2019 17:11
Operator : JC/SP
Sample : K2402-05 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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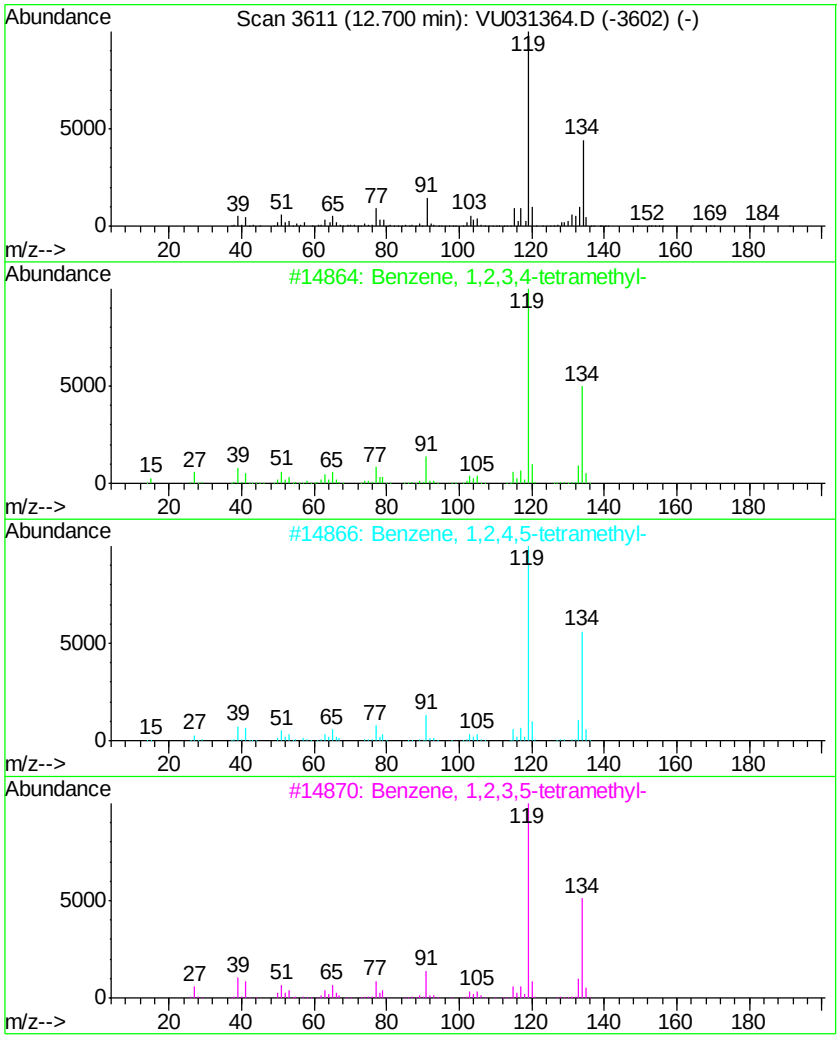
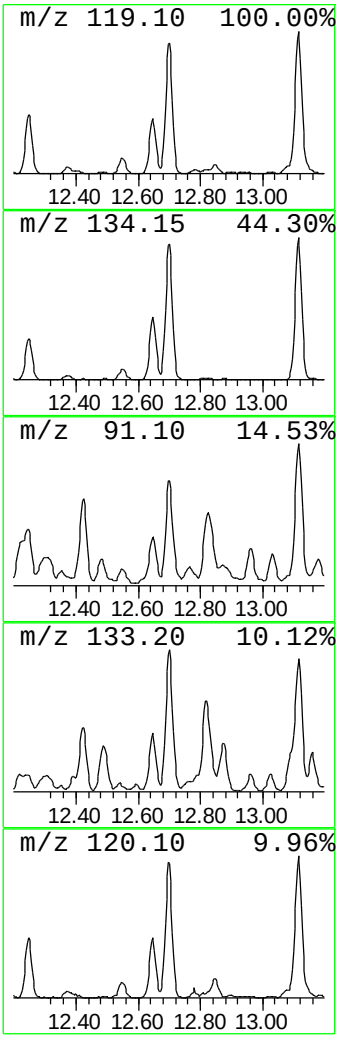
Peak Number 18 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	48.89 ug/L	1624700	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031364.D
Acq On : 19 Apr 2019 17:11
Operator : JC/SP
Sample : K2402-05 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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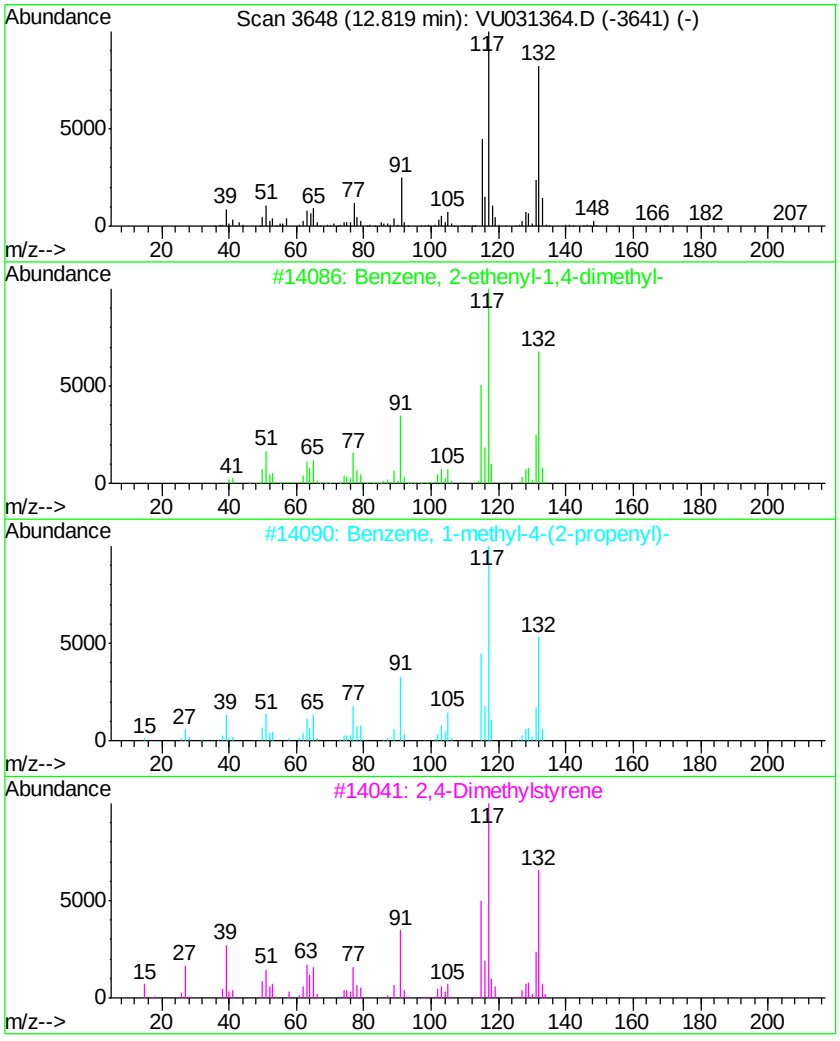
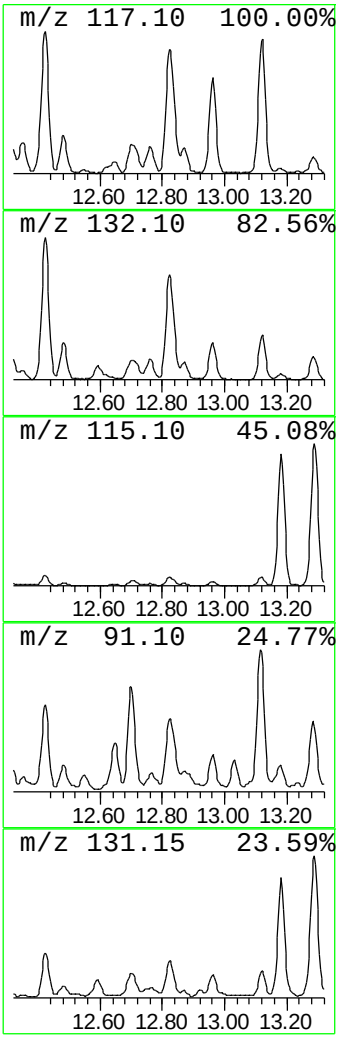
Peak Number 19 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.82	32.33 ug/L	1074290	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	97
2	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	96
3	2,4-Dimethylstyrene	132	C10H12	002234-20-0	96
4	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
5	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	95





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Data File : VU031364.D
Acq On : 19 Apr 2019 17:11
Operator : JC/SP
Sample : K2402-05 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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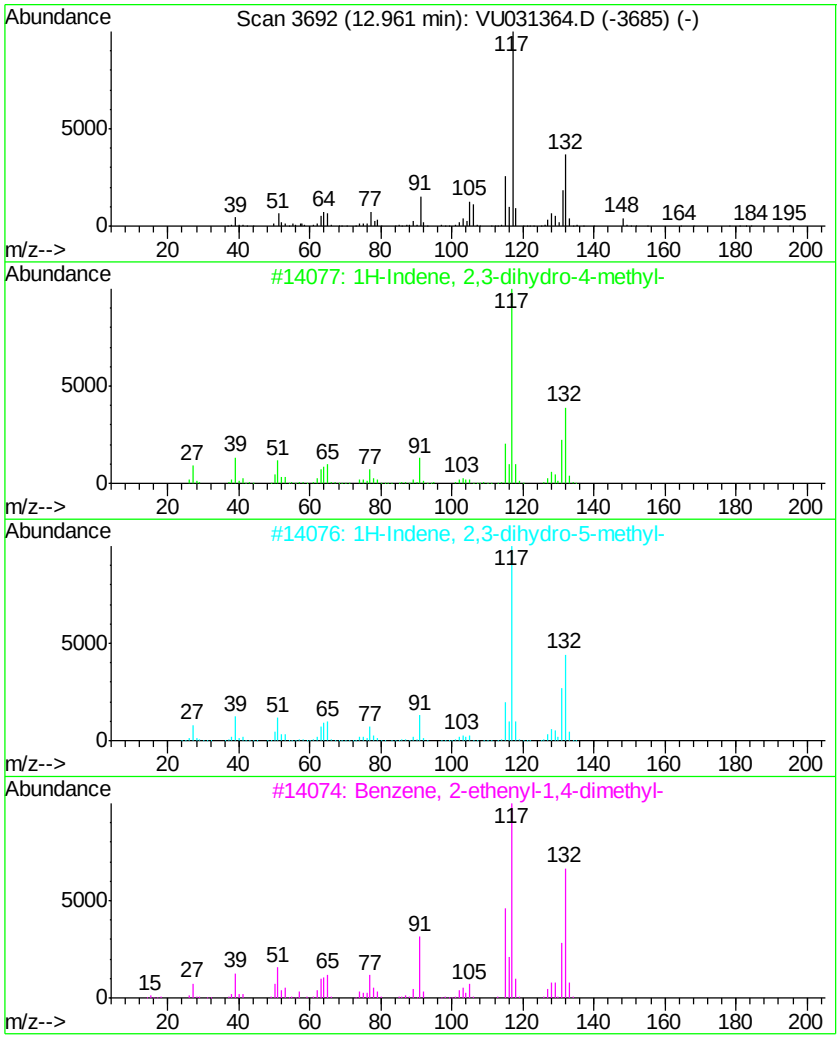
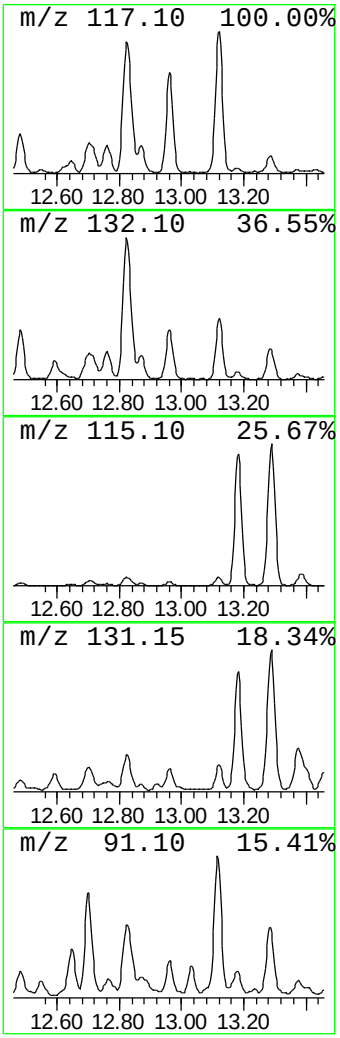
Peak Number 20 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	15.58 ug/L	517750	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	93
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
4	Indan, 1-methyl-	132	C10H12	000767-58-8	87
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031364.D
Acq On : 19 Apr 2019 17:11
Operator : JC/SP
Sample : K2402-05 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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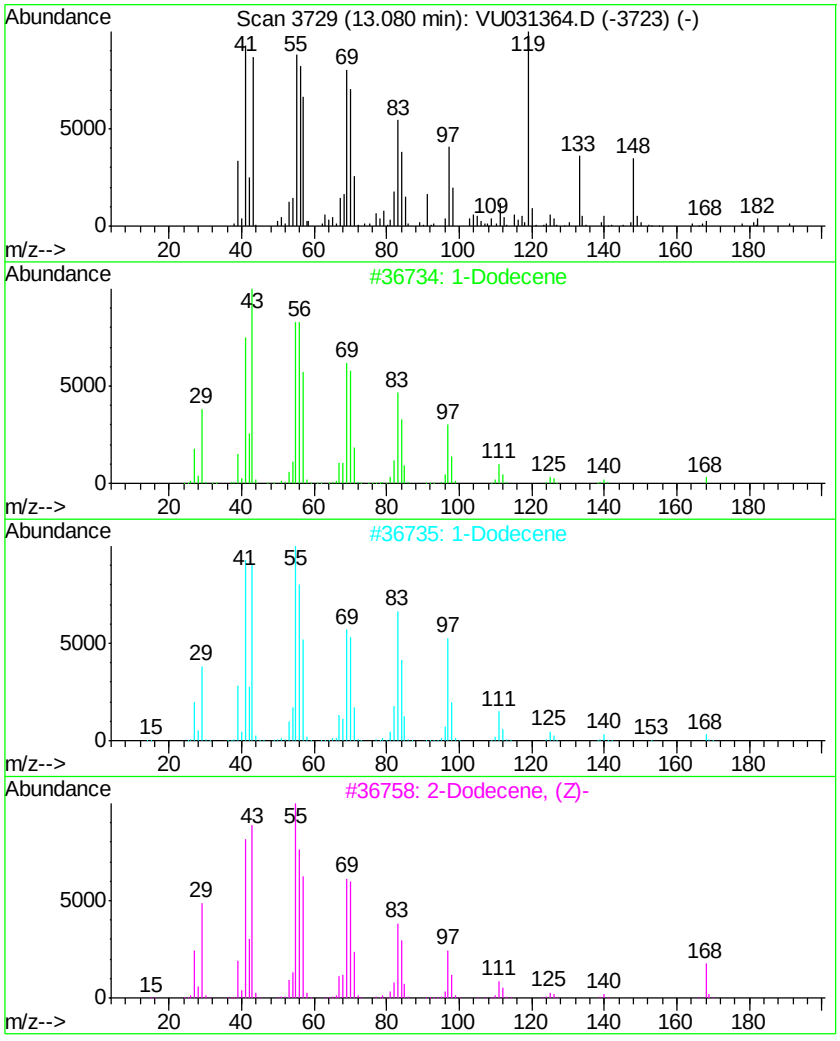
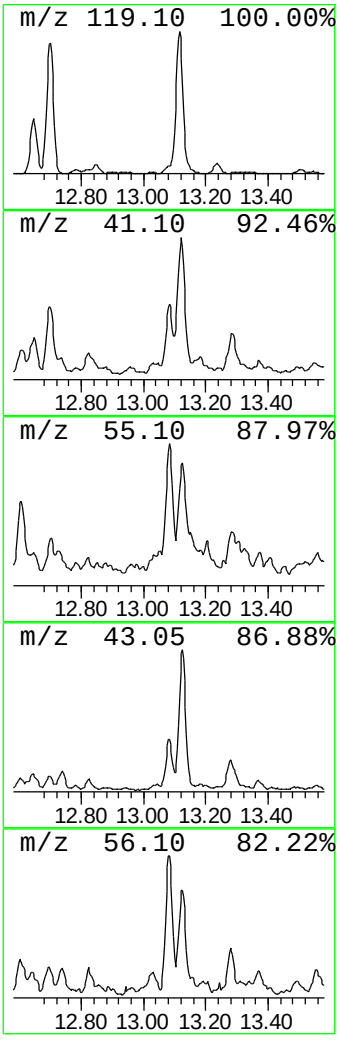
Peak Number 21 (DEL) Alkane: Cyclic13.08 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	6.13 ug/L	203715	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Dodecene	168	C12H24	000112-41-4	87
2	1-Dodecene	168	C12H24	000112-41-4	87
3	2-Dodecene, (Z)-	168	C12H24	007206-26-0	86
4	4-Dodecene, (E)-	168	C12H24	007206-15-7	64
5	1-Decene	140	C10H20	000872-05-9	64





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031364.D
Acq On : 19 Apr 2019 17:11
Operator : JC/SP
Sample : K2402-05 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

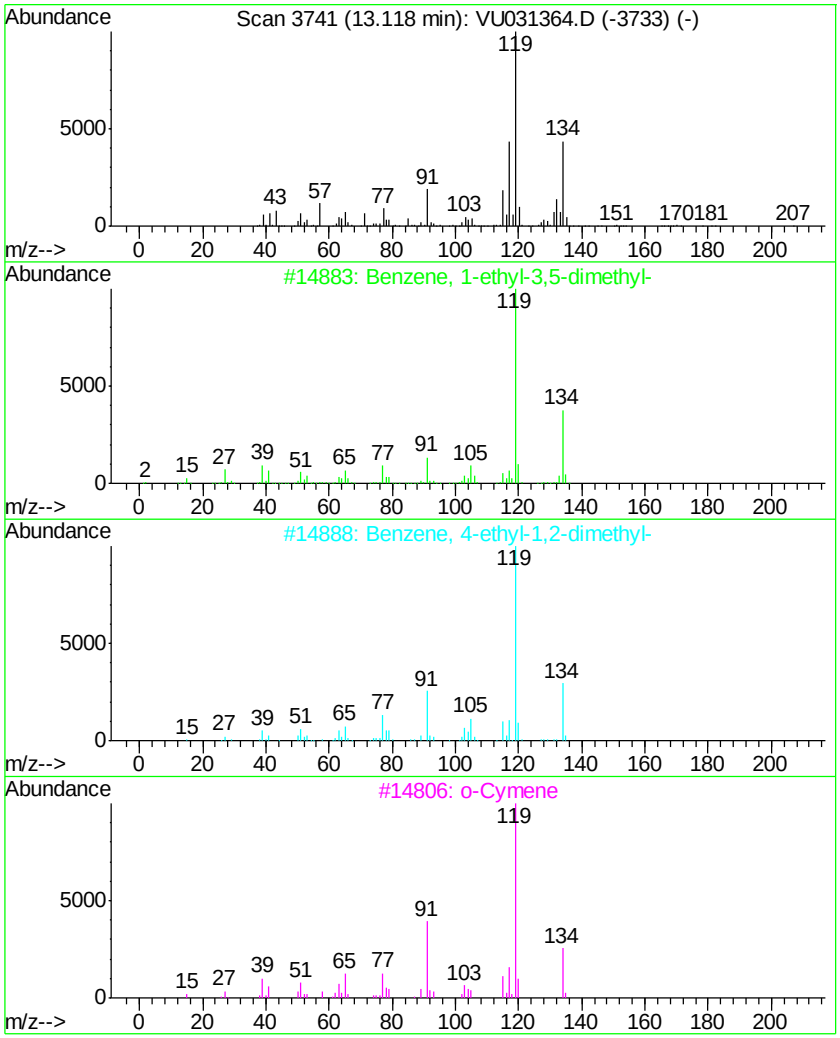
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

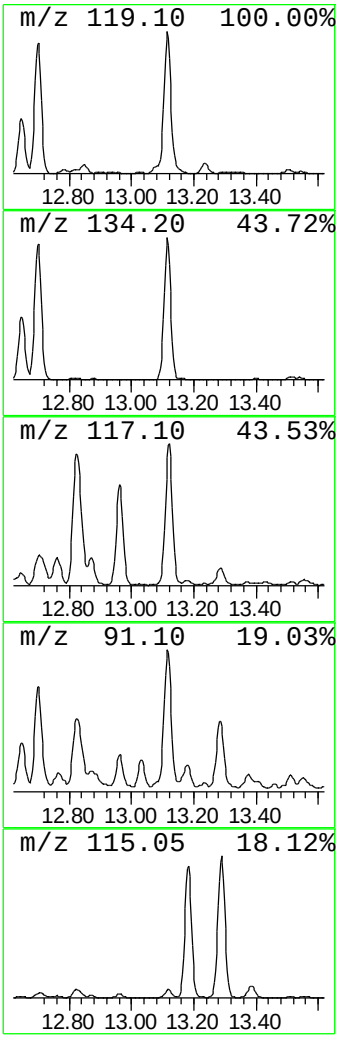
****

Peak Number 22 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	67.44 ug/L	2241210	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	76
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	70
3	o-Cymene	134	C10H14	000527-84-4	70
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	70
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	70





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Data File : VU031364.D
Acq On : 19 Apr 2019 17:11
Operator : JC/SP
Sample : K2402-05 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

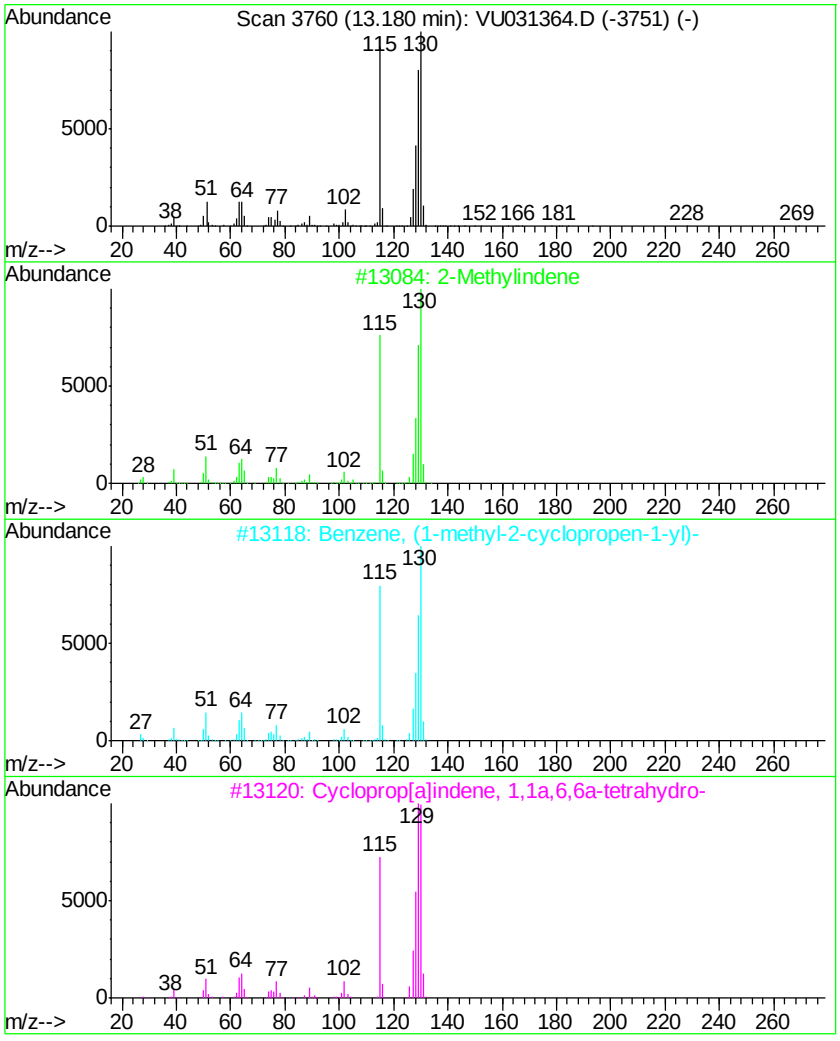
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

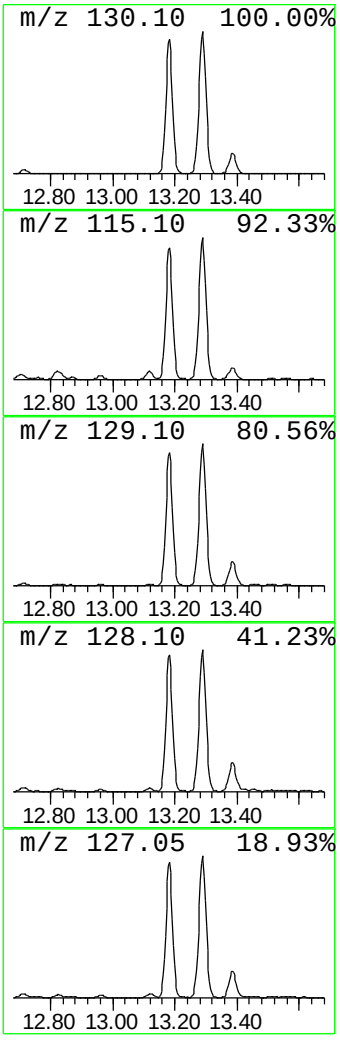
****

Peak Number 23 2-Methylindene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	207.74 ug/L	6904010	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	97
2	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	96
3	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	95
4	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95
5	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94





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Data File : VU031364.D
Acq On : 19 Apr 2019 17:11
Operator : JC/SP
Sample : K2402-05 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

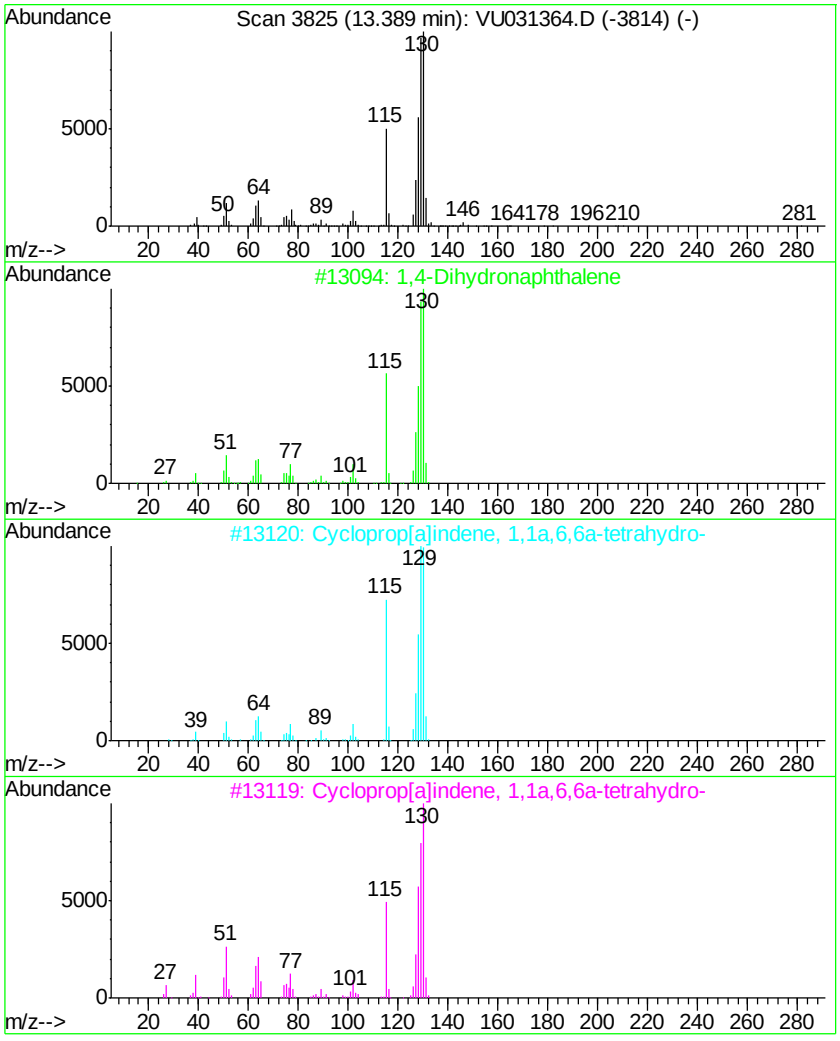
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

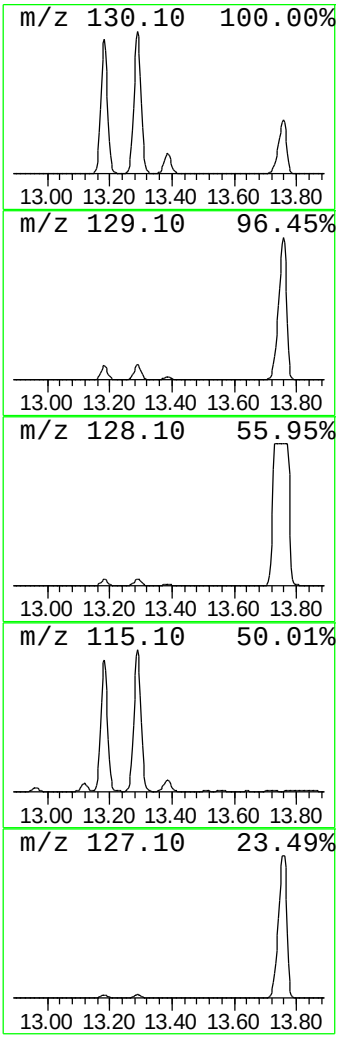
****

Peak Number 25 1,4-Dihydronaphthalene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	38.96 ug/L	1294780	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	97
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	94
5	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	93





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031364.D
Acq On : 19 Apr 2019 17:11
Operator : JC/SP
Sample : K2402-05 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

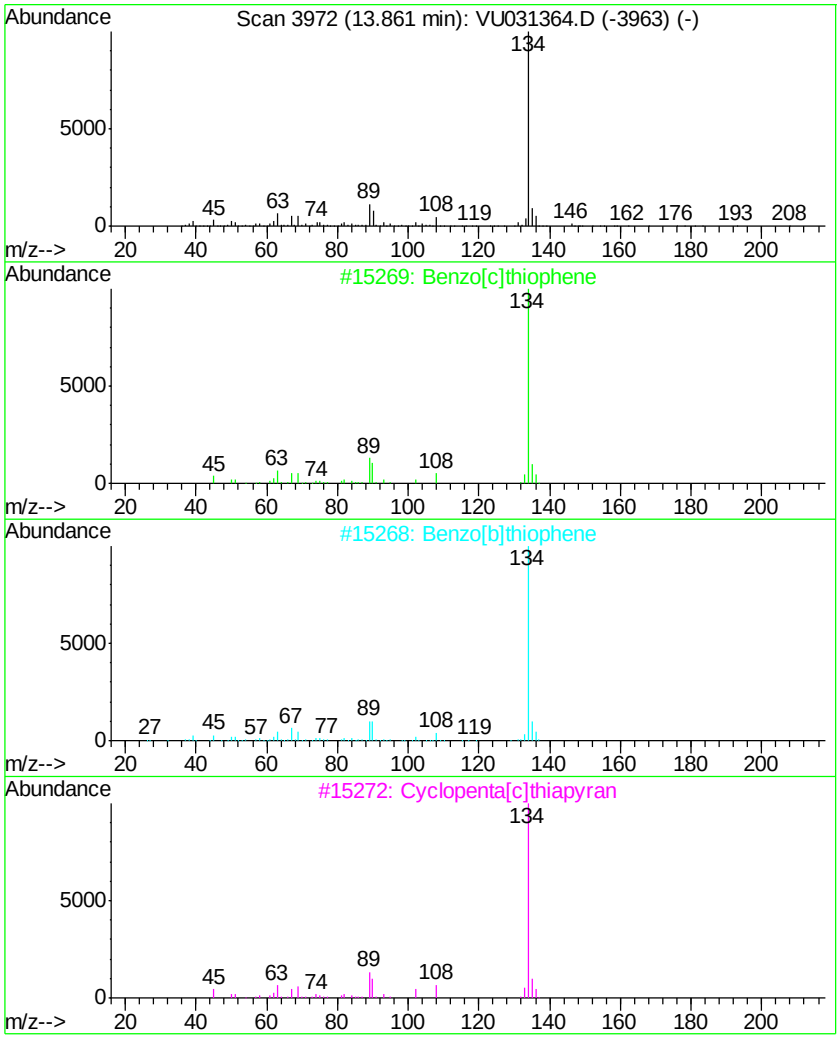
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

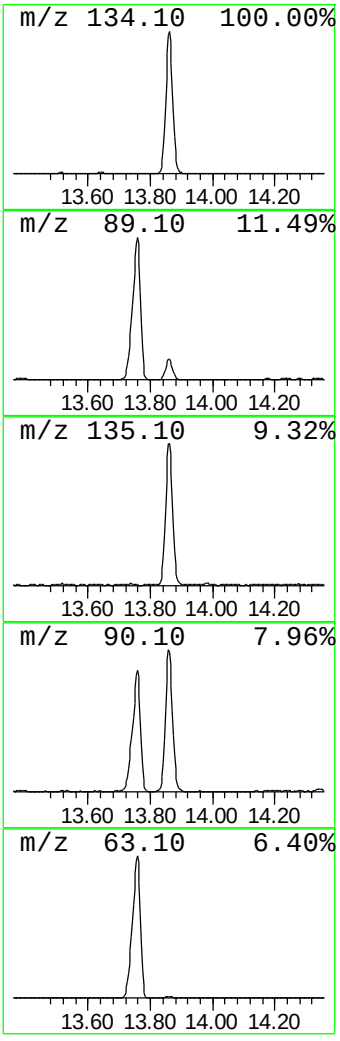
****

Peak Number 27 Benzo[c]thiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	64.86 ug/L	2155520	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	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	91
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	90





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Data File : VU031364.D
Acq On : 19 Apr 2019 17:11
Operator : JC/SP
Sample : K2402-05 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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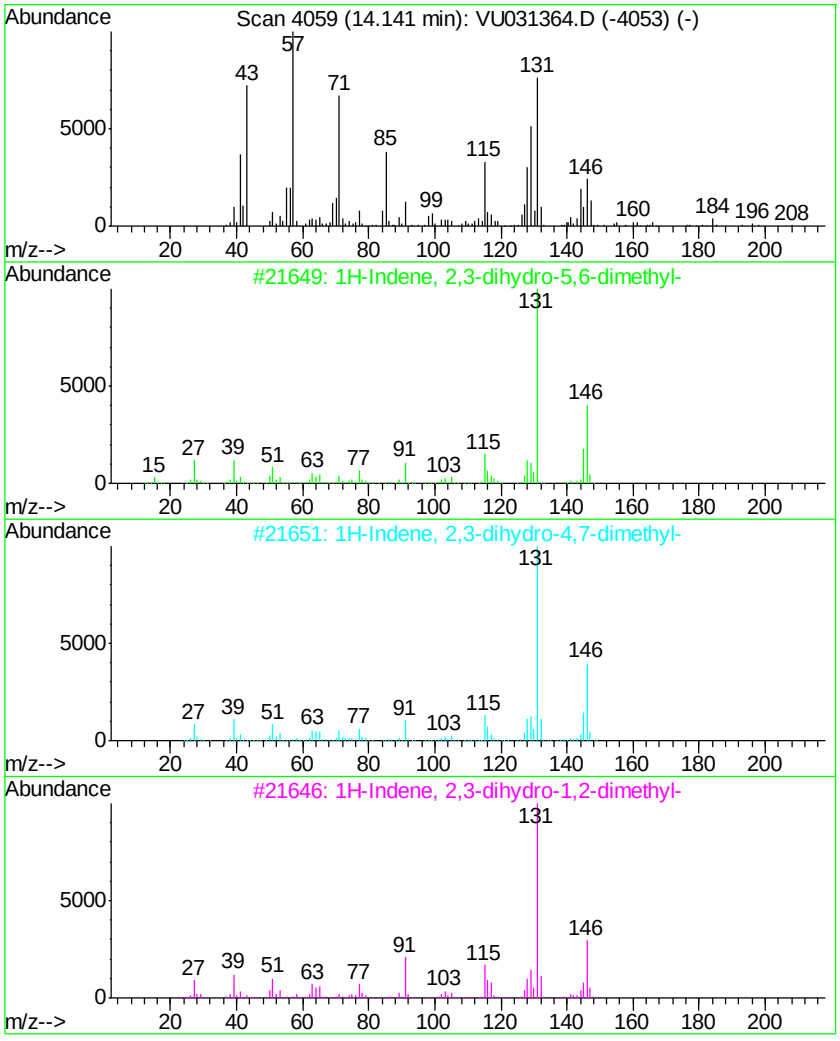
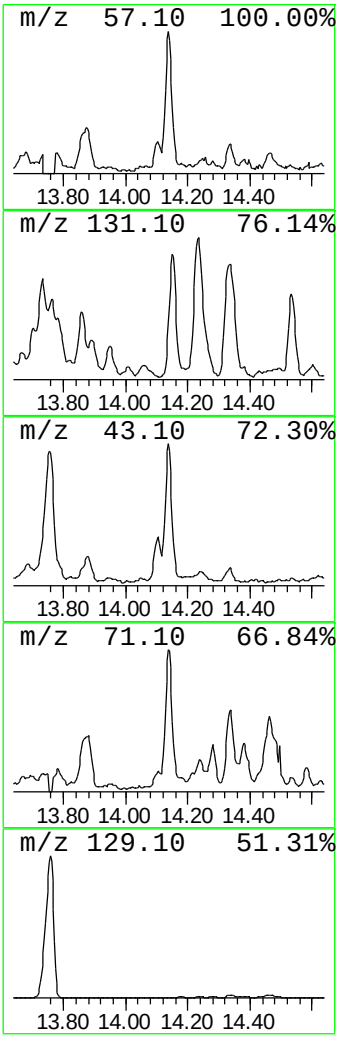
Peak Number 28 unknown-01 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	8.90 ug/L	295814	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	38
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	38
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	38
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	38
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	38





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Data File : VU031364.D
Acq On : 19 Apr 2019 17:11
Operator : JC/SP
Sample : K2402-05 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH7

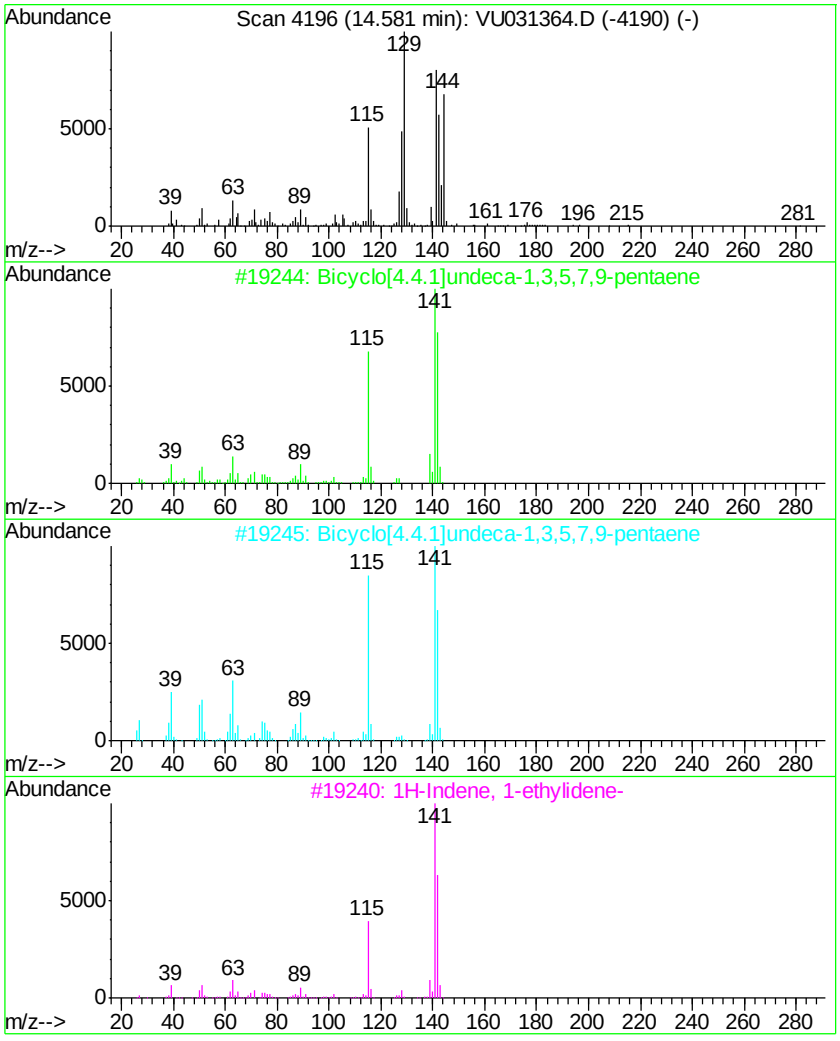
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

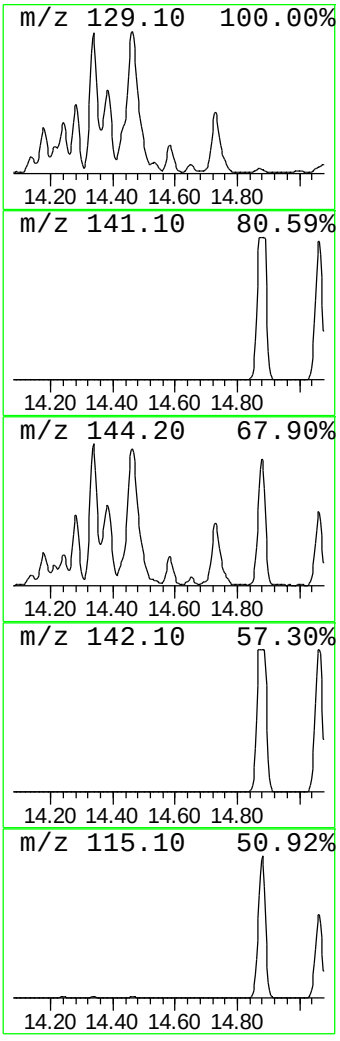
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 Bicyclo[4.4.1]undeca-1,3,5,... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.58	10.14 ug/L	336960	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	62
2	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	52
3	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	50
4	Benzene, 1-cyclopenten-1-yl-	144	C11H12	000825-54-7	49
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	46





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Data File : VU031364.D
Acq On : 19 Apr 2019 17:11
Operator : JC/SP
Sample : K2402-05 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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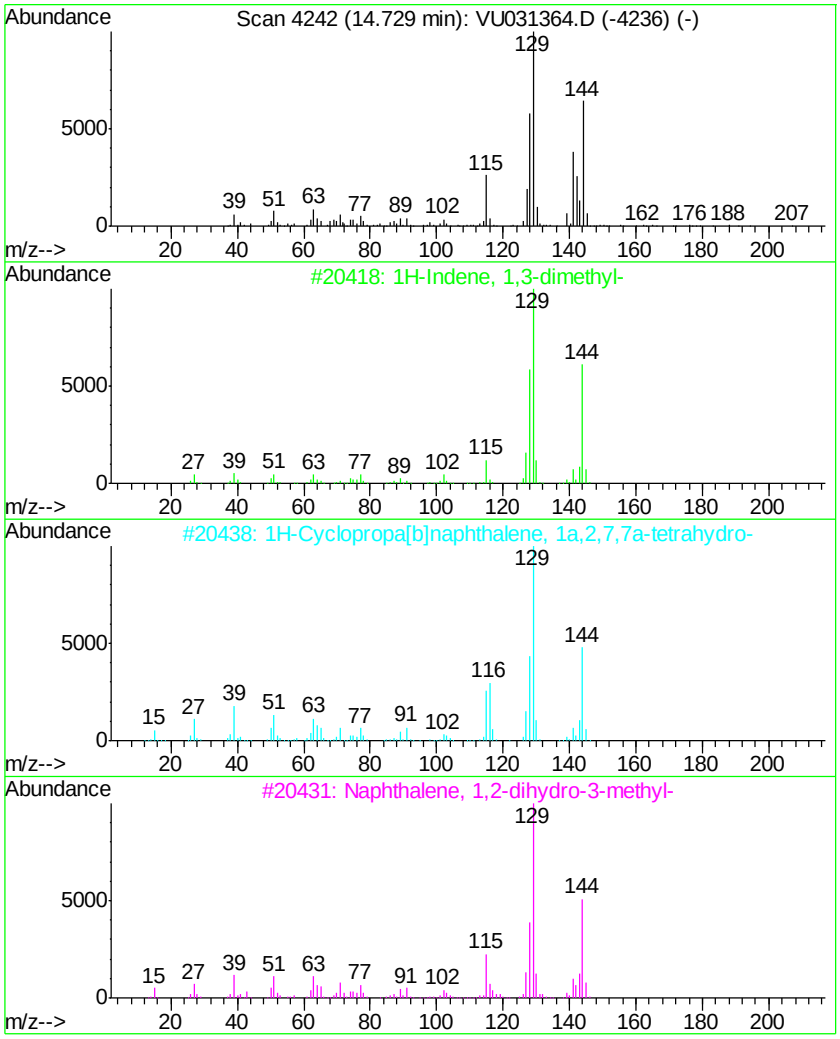
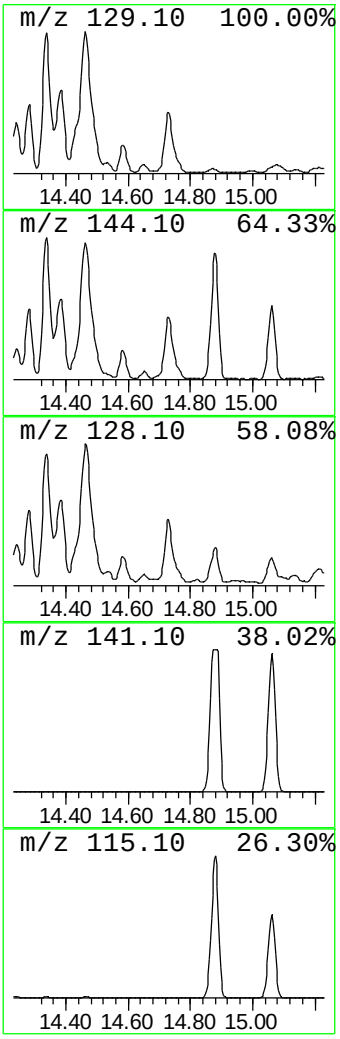
Peak Number 31 1H-Indene, 1,3-dimethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	20.86 ug/L	693329	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	76
2	1H-Cyclopropa[b]naphthalene, 1a,...	144	C11H12	006571-72-8	74
3	Naphthalene, 1,2-dihydro-3-methyl-	144	C11H12	002717-44-4	72
4	1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	72
5	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	70





Library Search Compound Report

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Data File : VU031364.D
Acq On : 19 Apr 2019 17:11
Operator : JC/SP
Sample : K2402-05 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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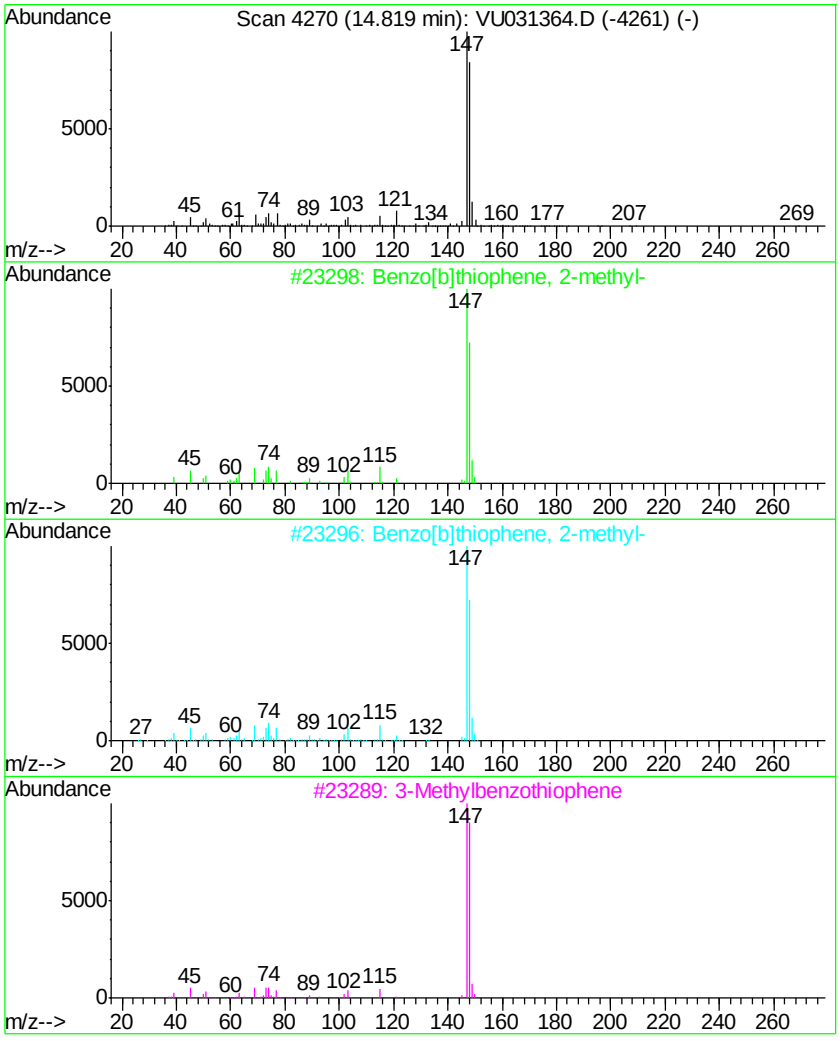
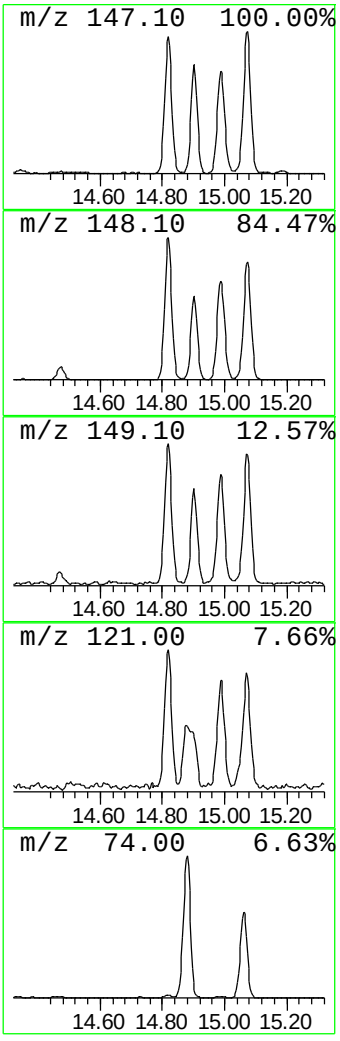
Peak Number 32 Benzo[b]thiophene, 2-methyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	20.77 ug/L	690289	1,4-Dichlorobenzene-d4	11.48

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031364.D
Acq On : 19 Apr 2019 17:11
Operator : JC/SP
Sample : K2402-05 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

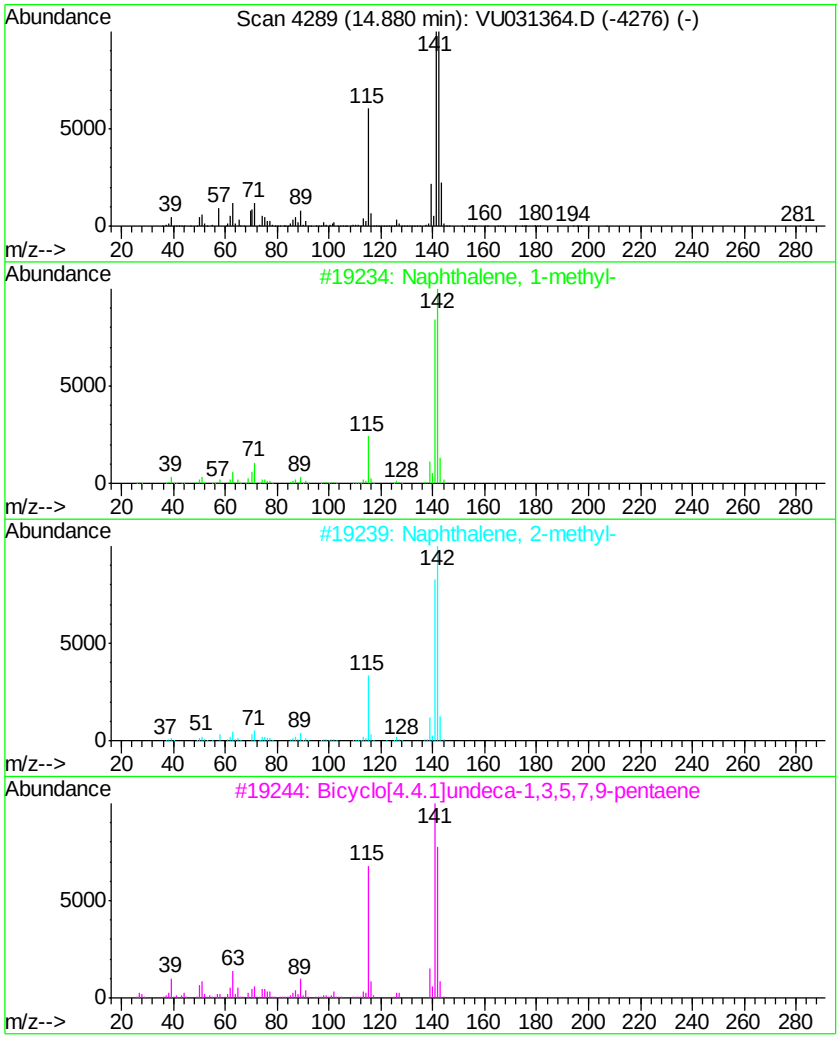
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

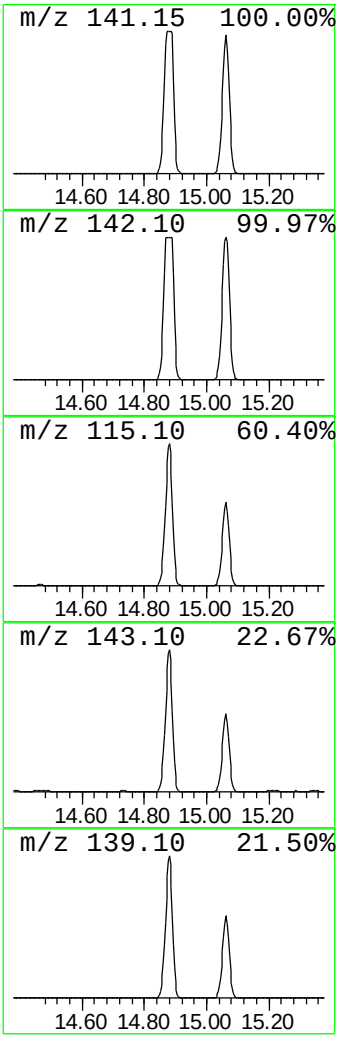
****

Peak Number 33 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	2460.84 ug/L	81782500	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	90
3	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	90
4	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	90
5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031364.D
Acq On : 19 Apr 2019 17:11
Operator : JC/SP
Sample : K2402-05 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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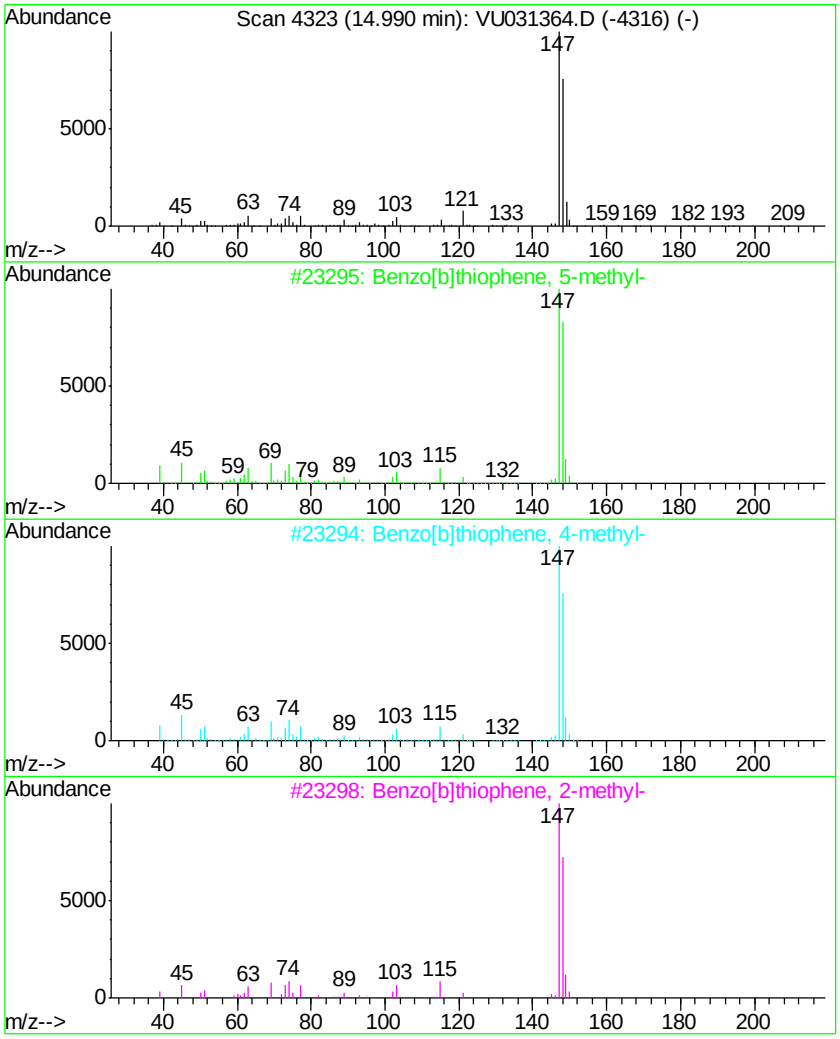
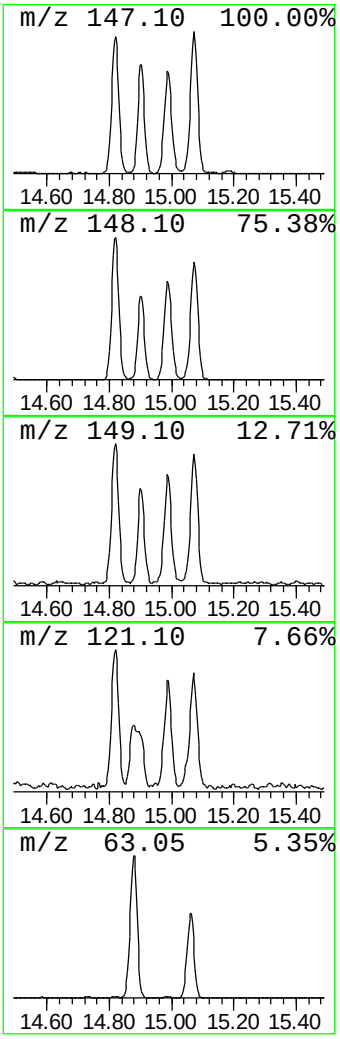
Peak Number 34 Benzo[b]thiophene, 5-methyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.99	14.57 ug/L	484375	1,4-Dichlorobenzene-d4	11.48

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031364.D
Acq On : 19 Apr 2019 17:11
Operator : JC/SP
Sample : K2402-05 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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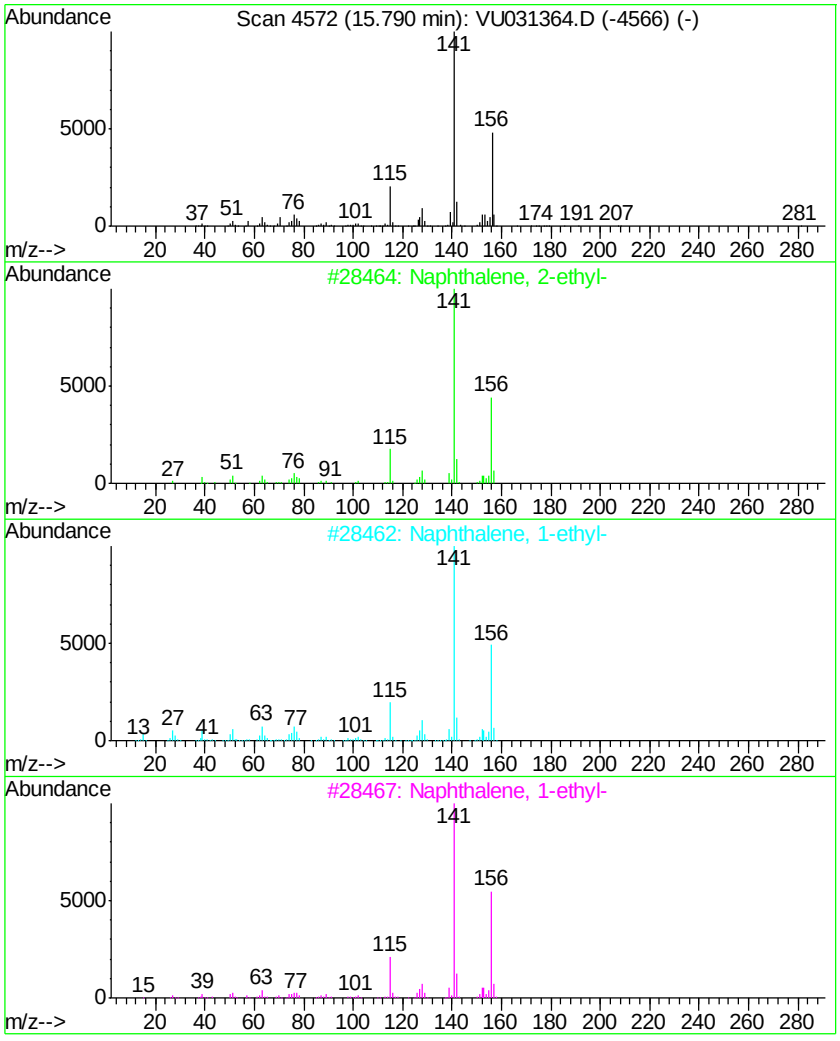
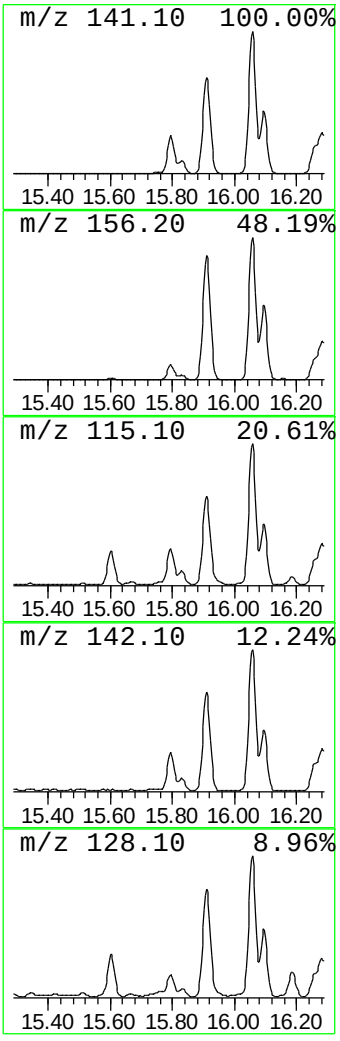
Peak Number 37 Naphthalene, 2-ethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	46.63 ug/L	1549640	1,4-Dichlorobenzene-d4	11.48

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





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031364.D
Acq On : 19 Apr 2019 17:11
Operator : JC/SP
Sample : K2402-05 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

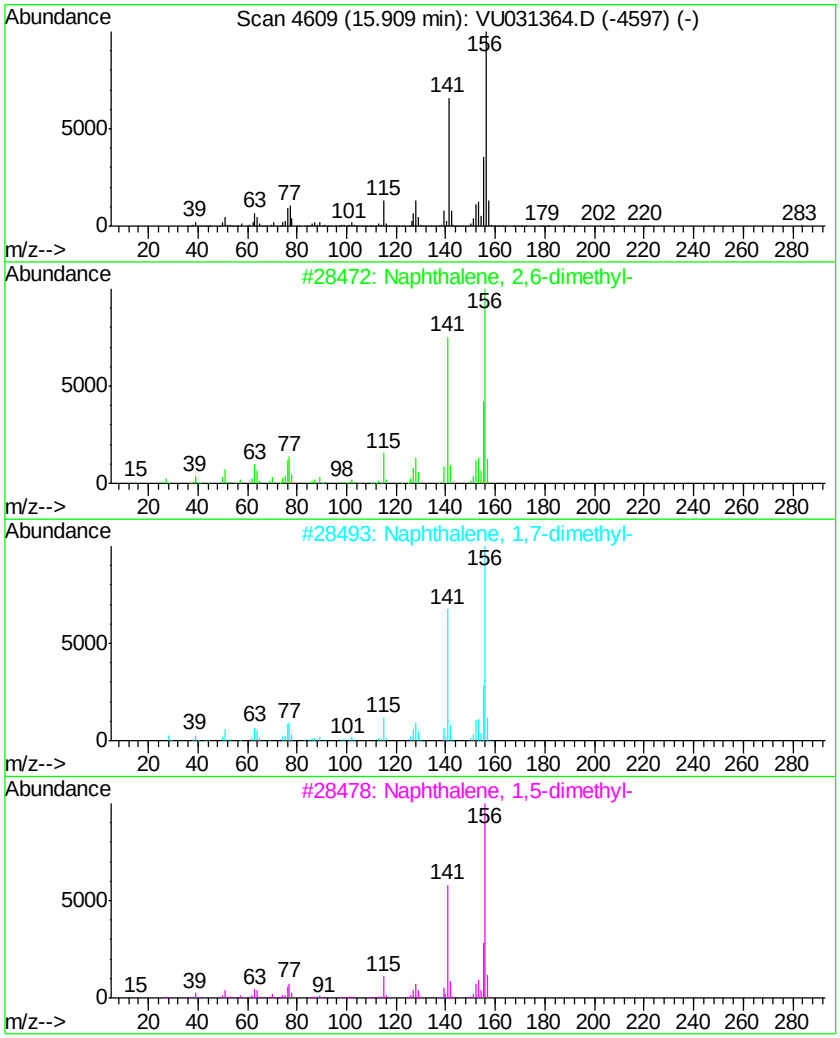
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

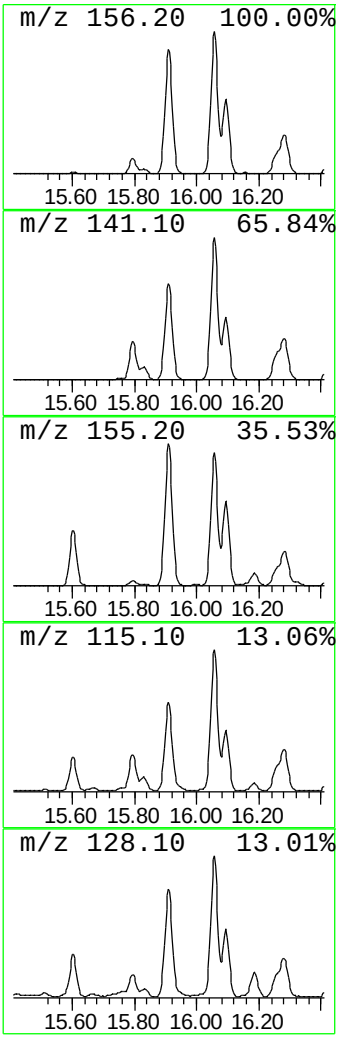
****

Peak Number 38 Naphthalene, 2,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	355.78 ug/L	11823700	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031364.D
Acq On : 19 Apr 2019 17:11
Operator : JC/SP
Sample : K2402-05 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH7

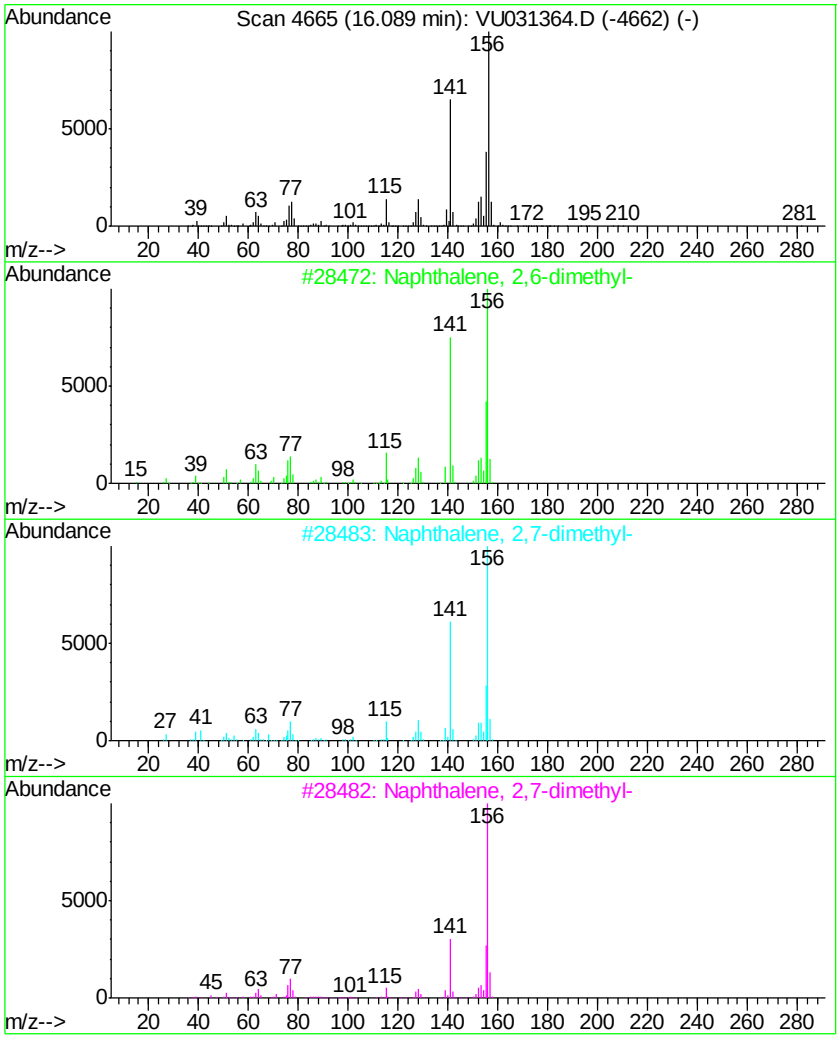
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

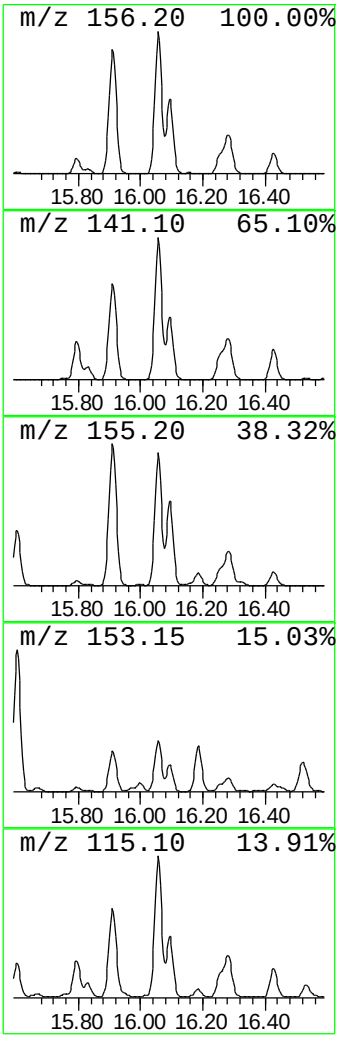
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 40 Naphthalene, 2,7-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.09	180.16 ug/L	5987500	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031364.D
Acq On : 19 Apr 2019 17:11
Operator : JC/SP
Sample : K2402-05 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH7

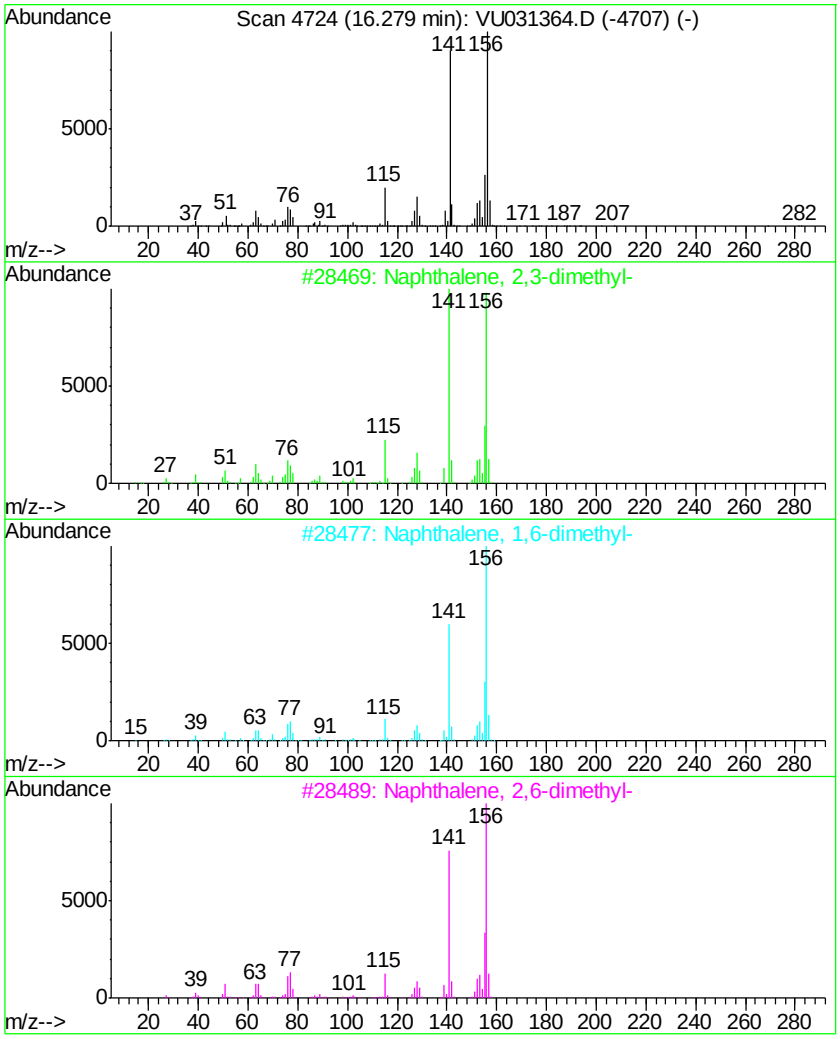
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

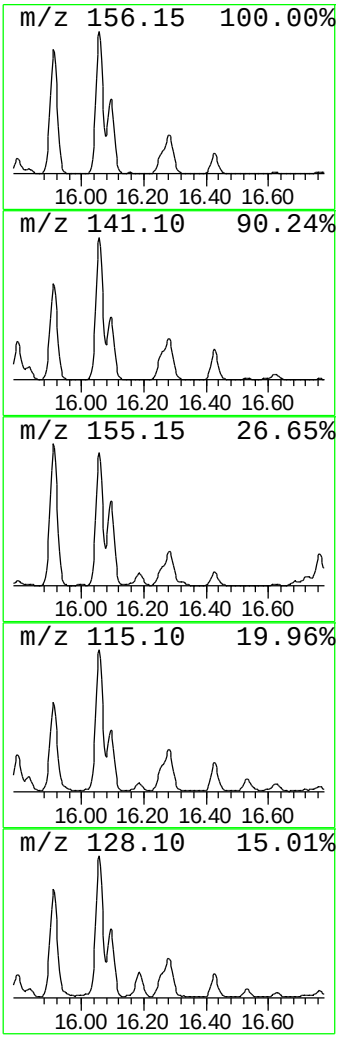
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 42 Naphthalene, 1,4-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.28	179.35 ug/L	5960380	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042019\
Data File : VU031364.D
Acq On : 19 Apr 2019 17:11
Operator : JC/SP
Sample : K2402-05 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.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, propyl-	10.58	8.9	ug/L	294868	3	11.48	1661680	50.0
Benzene, 1-ethyl-...	10.68	55.9	ug/L	1859160	3	11.48	1661680	50.0
Benzene, 1,2,3-tr...	11.14	189.0	ug/L	6279880	3	11.48	1661680	50.0
Benzene, 1-etheny...	11.21	61.6	ug/L	2046350	3	11.48	1661680	50.0
Benzene, 1-propenyl-	11.26	23.6	ug/L	785945	3	11.48	1661680	50.0
Indane	11.76	38.6	ug/L	1282310	3	11.48	1661680	50.0
Indene	11.98	622.2	ug/L	20678700	3	11.48	1661680	50.0
Benzene, 4-ethyl-...	12.15	10.0	ug/L	330966	3	11.48	1661680	50.0
o-Cymene	12.25	25.5	ug/L	848340	3	11.48	1661680	50.0
Benzene, 2-etheny...	12.42	32.3	ug/L	1072200	3	11.48	1661680	50.0
Benzene, 1-methyl...	12.48	9.2	ug/L	305710	3	11.48	1661680	50.0
Benzene, 1,2,3,5-...	12.65	15.6	ug/L	519183	3	11.48	1661680	50.0
Benzene, 1,2,3,4-...	12.70	48.9	ug/L	1624700	3	11.48	1661680	50.0
Benzene, 2-etheny...	12.82	32.3	ug/L	1074290	3	11.48	1661680	50.0
1H-Indene, 2,3-di...	12.96	15.6	ug/L	517750	3	11.48	1661680	50.0
(DEL) Alkane: Cyc...	13.08	6.1	ug/L	203715	3	11.48	1661680	50.0
Benzene, 1-ethyl-...	13.12	67.4	ug/L	2241210	3	11.48	1661680	50.0
2-Methylindene	13.18	207.7	ug/L	6904010	3	11.48	1661680	50.0
1,4-Dihydronaphth...	13.39	39.0	ug/L	1294780	3	11.48	1661680	50.0
Benzo[c]thiophene	13.86	64.9	ug/L	2155520	3	11.48	1661680	50.0
unknown-01	14.14	8.9	ug/L	295814	3	11.48	1661680	50.0
Bicyclo[4.4.1]und...	14.58	10.1	ug/L	336960	3	11.48	1661680	50.0
1H-Indene, 1,3-di...	14.73	20.9	ug/L	693329	3	11.48	1661680	50.0
Benzo[b]thiophene...	14.82	20.8	ug/L	690289	3	11.48	1661680	50.0
Naphthalene, 1-me...	14.88	2460.8	ug/L	81782500	3	11.48	1661680	50.0
Benzo[b]thiophene...	14.99	14.6	ug/L	484375	3	11.48	1661680	50.0
Naphthalene, 2-et...	15.79	46.6	ug/L	1549640	3	11.48	1661680	50.0
Naphthalene, 2,6-...	15.91	355.8	ug/L	11823700	3	11.48	1661680	50.0
Naphthalene, 2,7-...	16.09	180.2	ug/L	5987500	3	11.48	1661680	50.0
Naphthalene, 1,4-...	16.28	179.3	ug/L	5960380	3	11.48	1661680	50.0