LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031368.D
Acq On : 19 Apr 2019 18:44
Operator : JC/SP
Sample : K2455-11
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1

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	23	28	38	rVB3	14238	16836	0.01%	0.002%
2	1.289	59	62	66	rBV	6616	5556	0.00%	0.001%
3	1.396	87	95	114	rBV	170638	268198	0.15%	0.032%
4	1.679	176	183	197	rBV	118401	221217	0.12%	0.027%
5	2.241	348	358	386	rVB	423167	716544	0.40%	0.087%
6	2.518	434	444	450	rBV3	7290	13464	0.01%	0.002%
7	2.769	521	522	527	rVB4	1447	929	0.00%	0.000%
8	2.801	528	532	536	rVB4	1746	1325	0.00%	0.000%
9	2.830	537	541	545	rBV4	1554	1640	0.00%	0.000%
10	2.971	579	585	589	rVB6	1217	1308	0.00%	0.000%
11	3.273	673	679	688	rVV6	2081	3445	0.00%	0.000%
12	3.566	763	770	774	rBV3	946	1109	0.00%	0.000%
13	3.759	826	830	835	rBV3	1163	1039	0.00%	0.000%
14	3.878	860	867	870	rBV5	898	1015	0.00%	0.000%
15	4.006	902	907	914	rVB4	1041	984	0.00%	0.000%
16	4.209	955	970	1018	rBV2	106316	536046	0.30%	0.065%
17	4.643	1088	1105	1135	rBV	284136	755073	0.42%	0.091%
18	5.064	1233	1236	1241	rVB5	1099	945	0.00%	0.000%
19	5.093	1241	1245	1247	rBV4	805	713	0.00%	0.000%
20	5.328	1295	1318	1355	rBV2	653645	1849040	1.02%	0.224%
21	5.624	1399	1410	1414	rBV7	2977	5593	0.00%	0.001%
22	5.736	1443	1445	1450	rBV5	1087	1230	0.00%	0.000%
23	5.881	1474	1490	1528	rBV	624838	1414746	0.78%	0.171%
24	6.010	1528	1530	1535	rVV5	1323	798	0.00%	0.000%
25	6.080	1550	1552	1558	rVB2	1251	959	0.00%	0.000%
26	6.174	1569	1581	1583	rBV7	4825	6541	0.00%	0.001%
27	6.260	1597	1608	1611	rBV7	3589	5780	0.00%	0.001%
28	6.328	1614	1629	1656	rVV2	369504	831795	0.46%	0.101%
29	6.704	1743	1746	1751	rVB4	1085	912	0.00%	0.000%
30	6.746	1755	1759	1760	rBV2	1027	653	0.00%	0.000%
31	6.755	1760	1762	1766	rVB2	1232	761	0.00%	0.000%
32	6.778	1766	1769	1772	rBV2	973	721	0.00%	0.000%
33	6.891	1800	1804	1805	rBV3	1817	1204	0.00%	0.000%
34	7.228	1895	1909	1931	rBV2	204026	442670	0.24%	0.054%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031368.D
Acq On : 19 Apr 2019 18:44
Operator : JC/SP
Sample : K2455-11
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1

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	7.354	1946	1948	1953	rVB4	1504	893	0.00%	0.000%
36	7.434	1971	1973	1980	rVB5	2333	1884	0.00%	0.000%
37	7.473	1980	1985	1988	rBV5	802	779	0.00%	0.000%
38	7.514	1993	1998	1999	rBV3	1037	649	0.00%	0.000%
39	7.563	1999	2013	2028	rBV	792435	1519135	0.84%	0.184%
40	7.852	2091	2103	2124	rBV	129802	287568	0.16%	0.035%
41	8.026	2153	2157	2158	rBV3	2320	1473	0.00%	0.000%
42	8.122	2185	2187	2193	rVB6	1524	1003	0.00%	0.000%
43	8.151	2193	2196	2200	rBV4	987	811	0.00%	0.000%
44	8.170	2200	2202	2207	rVB4	1380	1150	0.00%	0.000%
45	8.228	2209	2220	2231	rVB4	6231	11334	0.01%	0.001%
46	8.341	2240	2255	2288	rBV2	434005	1185835	0.66%	0.143%
47	8.743	2375	2380	2391	rVB10	9722	15258	0.01%	0.002%
48	8.829	2396	2407	2409	rBV7	7082	9613	0.01%	0.001%
49	9.093	2476	2489	2507	rBV	858934	1713099	0.95%	0.207%
50	9.251	2526	2538	2561	rBV	1029791	1894102	1.05%	0.229%
51	9.373	2562	2576	2594	rBV	9496790	17012014	9.40%	2.057%
52	9.781	2690	2703	2734	rVB4	6846654	13534598	7.48%	1.637%
53	10.167	2816	2823	2831	rBV	87380	144684	0.08%	0.017%
54	10.437	2897	2907	2919	rBV	558576	951493	0.53%	0.115%
55	10.511	2922	2930	2943	rVB	352922	563905	0.31%	0.068%
56	10.588	2944	2954	2970	rBV	576394	892628	0.49%	0.108%
57	10.681	2971	2983	2999	rBV	5093799	11054661	6.11%	1.337%
58	10.771	2999	3011	3021	rBV	5568952	9073292	5.01%	1.097%
59	10.971	3063	3073	3078	rBV	1778814	2919160	1.61%	0.353%
60	11.151	3111	3129	3139	rBV	18182389	28774709	15.90%	3.480%
61	11.218	3139	3150	3158	rVV	17629207	27328509	15.10%	3.305%
62	11.267	3158	3165	3177	rVB	7177168	10356418	5.72%	1.252%
63	11.482	3224	3232	3241	rBV2	1329482	2042323	1.13%	0.247%
64	11.530	3242	3247	3250	rVV	428754	534007	0.30%	0.065%
65	11.572	3251	3260	3269	rVV	6831966	10746820	5.94%	1.300%
66	11.627	3269	3277	3290	rVB	2269231	3491789	1.93%	0.422%
67	11.765	3309	3320	3328	rBV2	3372473	6026778	3.33%	0.729%
68	11.871	3342	3353	3365	rBV5	3730933	7065649	3.91%	0.854%
69	11.980	3376	3387	3396	rBV	20074013	31830497	17.59%	3.849%
70	12.148	3430	3439	3442	rBV	1711863	2538094	1.40%	0.307%
71	12.222	3455	3462	3466	rBV	2326420	3426800	1.89%	0.414%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031368.D
Acq On : 19 Apr 2019 18:44
Operator : JC/SP
Sample : K2455-11
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1

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	12.302	3479	3487	3498	rVB	2858512	5089932	2.81%	0.616%
73	12.424	3517	3525	3535	rVB	10071232	15592721	8.62%	1.886%
74	12.482	3536	3543	3557	rVB2	2913430	4442875	2.46%	0.537%
75	12.649	3587	3595	3603	rVB	2927494	4282807	2.37%	0.518%
76	12.704	3603	3612	3624	rBV3	6630871	12513953	6.92%	1.513%
77	12.823	3641	3649	3659	rBV2	7097463	11151309	6.16%	1.349%
78	12.961	3685	3692	3706	rVB	2275155	3326861	1.84%	0.402%
79	13.083	3724	3730	3733	rBV4	944620	1189517	0.66%	0.144%
80	13.122	3734	3742	3751	rVV3	10727019	17160688	9.48%	2.075%
81	13.186	3752	3762	3773	rVB	20295381	31665406	17.50%	3.829%
82	13.292	3783	3795	3811	rVV	33243736	56645173	31.31%	6.850%
83	13.379	3814	3822	3838	rVB4	2785215	6855312	3.79%	0.829%
84	13.755	3925	3939	3950	rBV2	68263204	132262157	73.10%	15.994%
85	14.141	4052	4059	4066	rBV3	4150831	6283162	3.47%	0.760%
86	14.337	4111	4120	4129	rBV2	6511170	11368244	6.28%	1.375%
87	14.463	4151	4159	4175	rVB2	5064929	10407203	5.75%	1.259%
88	14.733	4237	4243	4259	rVB2	2252133	4095903	2.26%	0.495%
89	14.893	4277	4293	4306	rBV4	88708261	180931020	100.00%	21.880%
90	15.067	4334	4347	4368	rVB2	53523435	87140250	48.16%	10.538%
91	15.604	4508	4514	4522	rVB	552369	736308	0.41%	0.089%
92	15.794	4566	4573	4581	rBV	1525886	2210800	1.22%	0.267%
93	15.909	4598	4609	4624	rBV	4689316	7899755	4.37%	0.955%
94	16.054	4645	4654	4661	rBV	3004260	4618235	2.55%	0.558%
95	16.186	4687	4695	4707	rVB	729031	1162293	0.64%	0.141%
96	16.279	4710	4724	4736	rVB	620927	1372814	0.76%	0.166%
97	16.427	4763	4770	4780	rBV	258726	379725	0.21%	0.046%
98	16.524	4790	4800	4817	rVB2	614289	1210672	0.67%	0.146%
99	17.163	4991	4999	5010	rBV3	329101	527148	0.29%	0.064%
100	17.225	5012	5018	5029	rVB3	221353	336423	0.19%	0.041%

Sum of corrected areas: 826922869

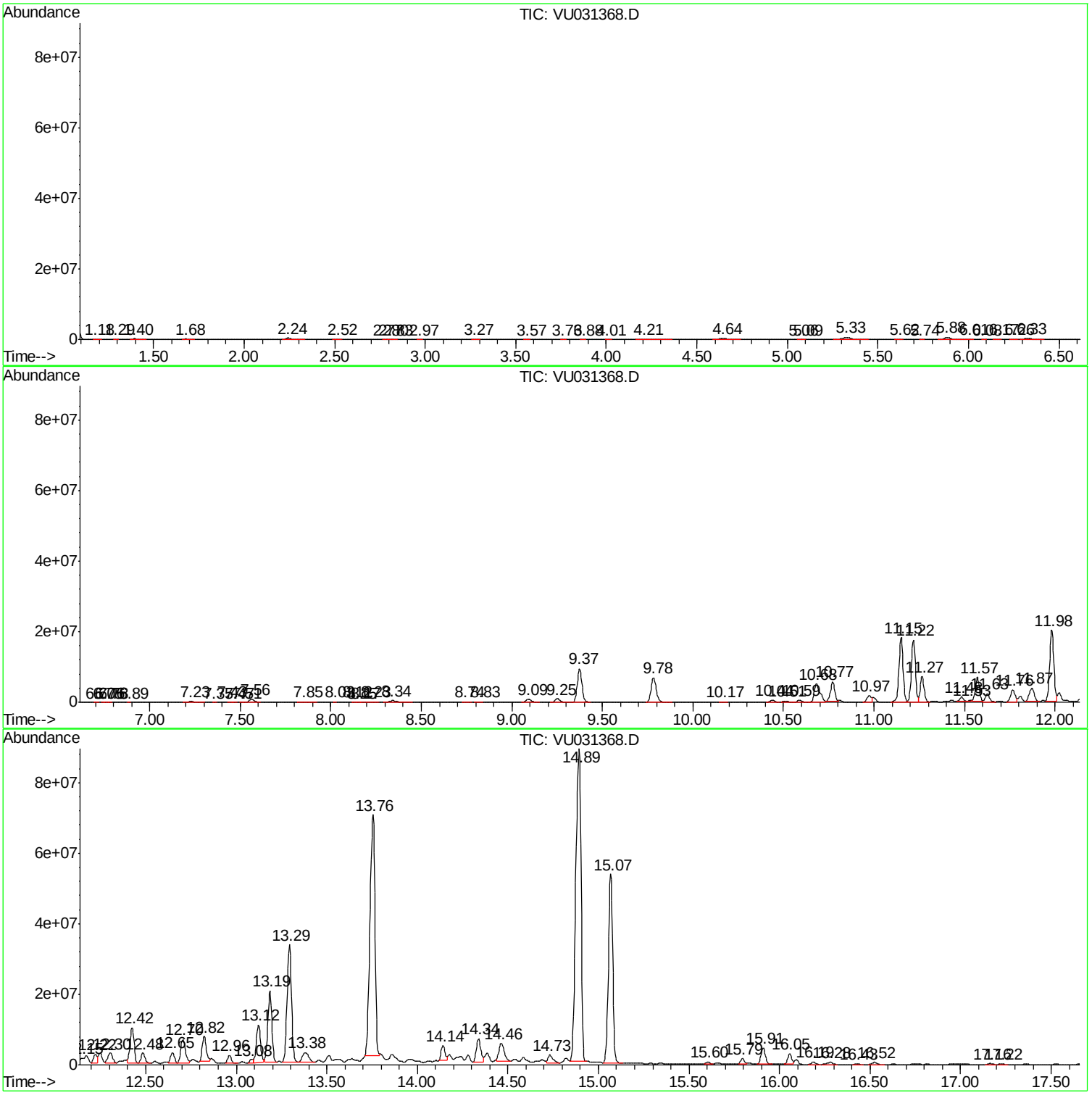
LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031368.D
Acq On : 19 Apr 2019 18:44
Operator : JC/SP
Sample : K2455-11
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1

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 : VU031368.D
Acq On : 19 Apr 2019 18:44
Operator : JC/SP
Sample : K2455-11
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1

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

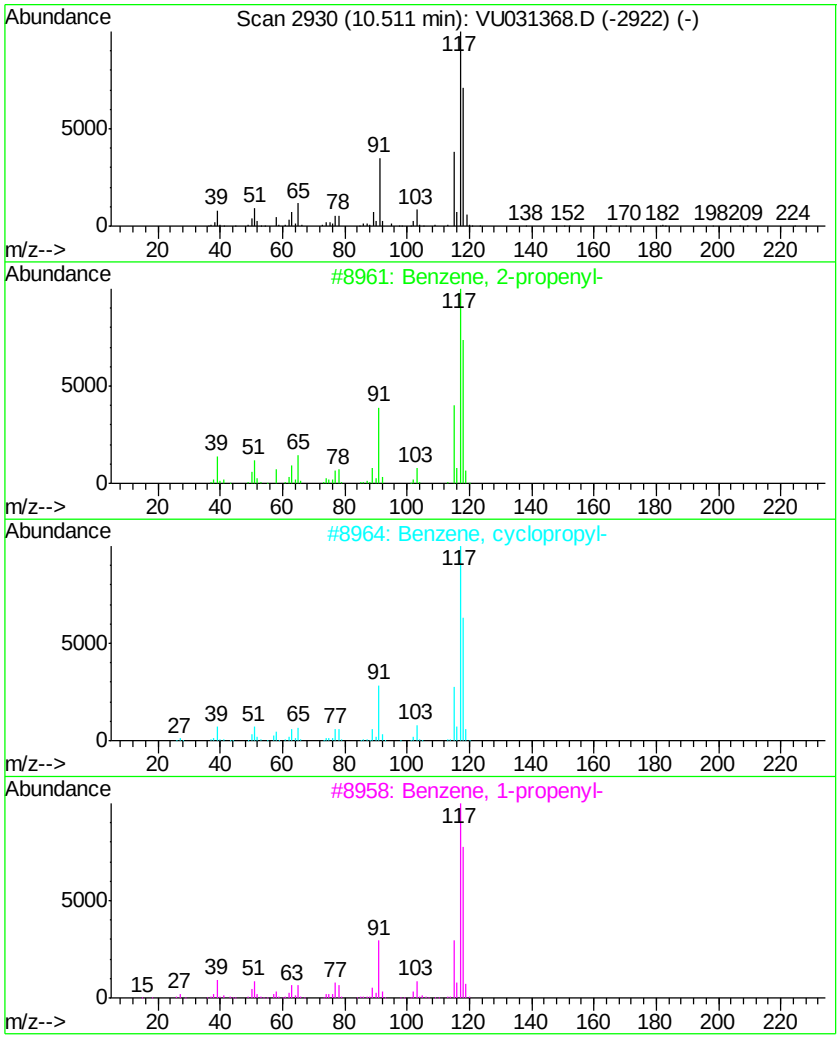
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

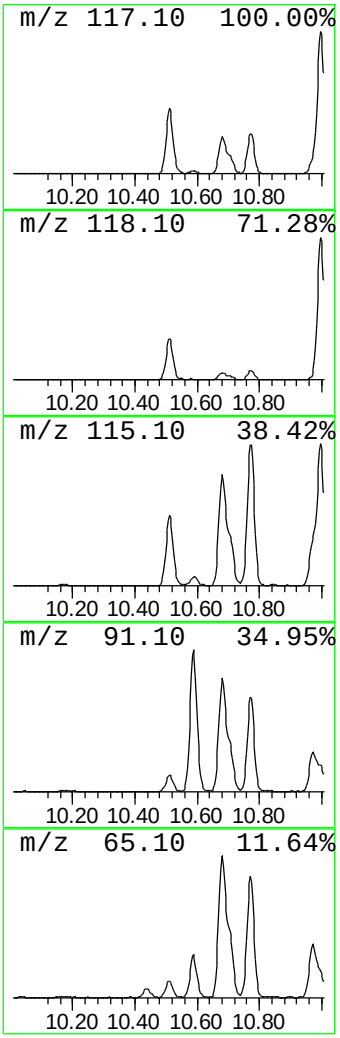
****

Peak Number 2 Benzene, 2-propenyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.51	13.81 ug/L	563905	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	96
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	95
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	92
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	92
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	86





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031368.D
Acq On : 19 Apr 2019 18:44
Operator : JC/SP
Sample : K2455-11
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1

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

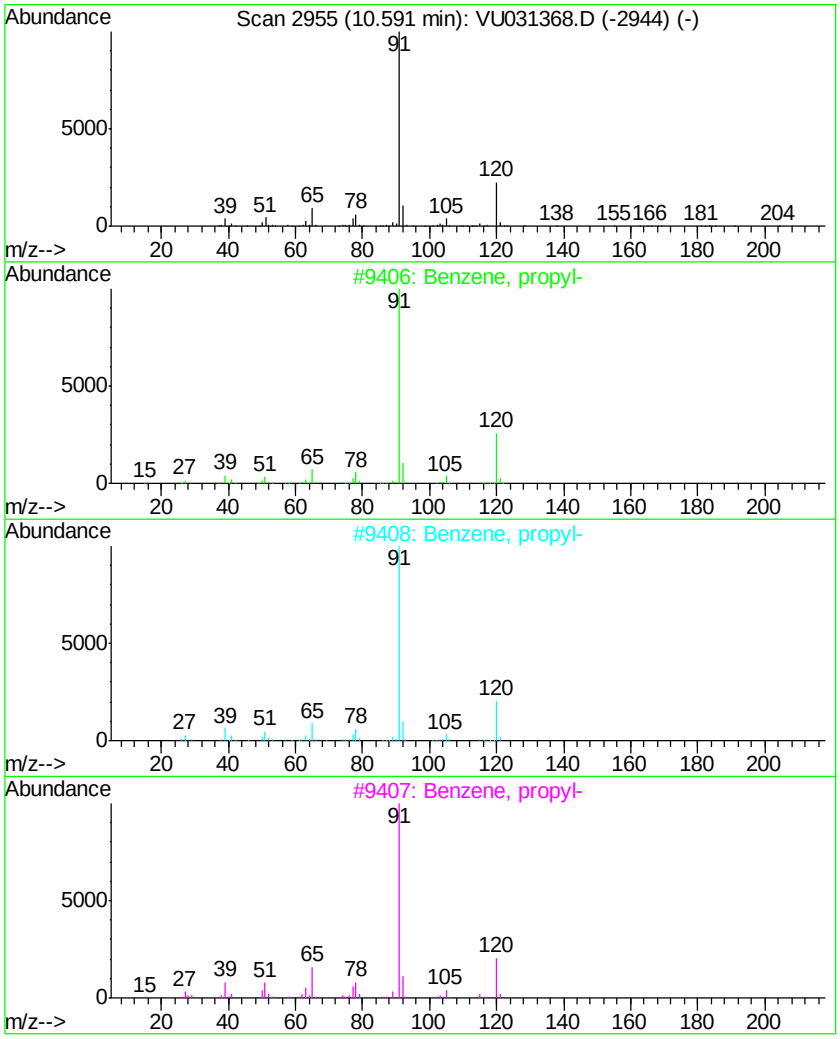
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

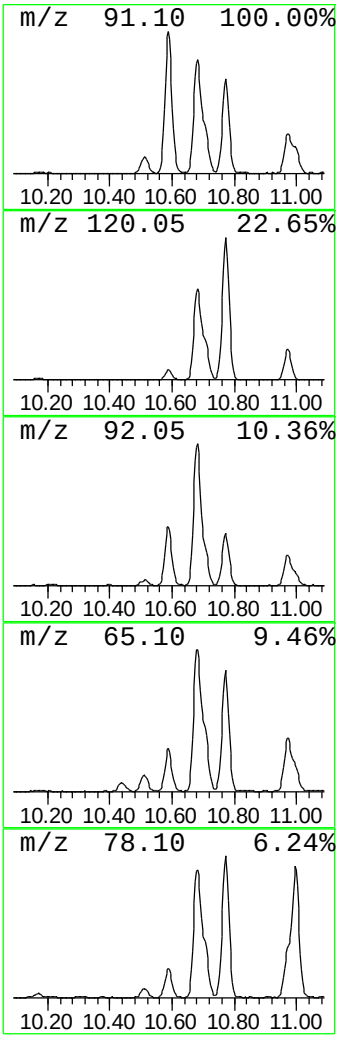
****

Peak Number 3 Benzene, propyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	21.85 ug/L	892628	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	74
5	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031368.D
Acq On : 19 Apr 2019 18:44
Operator : JC/SP
Sample : K2455-11
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1

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

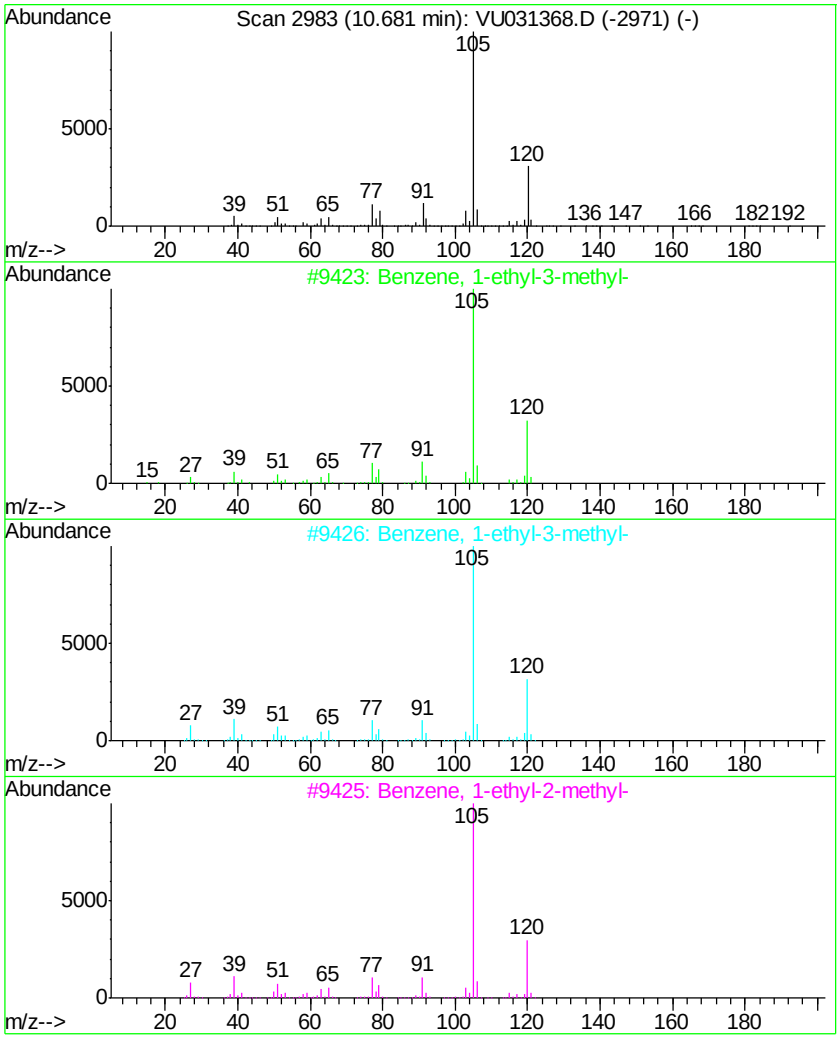
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

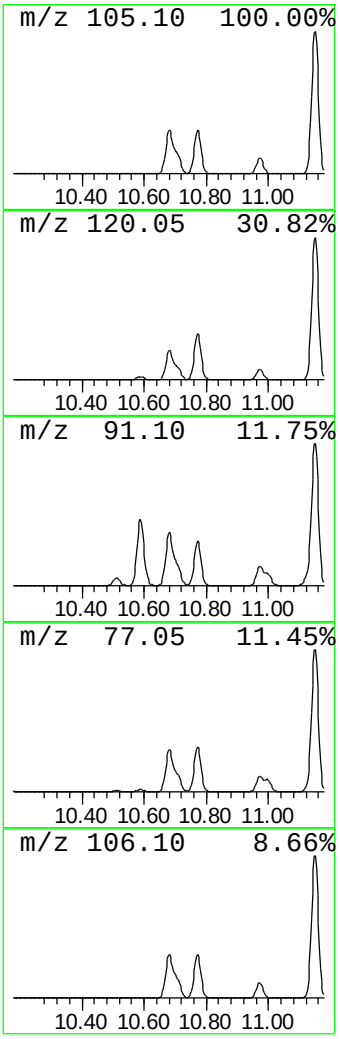
****

Peak Number 4 Benzene, 1-ethyl-3-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	270.64 ug/L	11054700	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031368.D
Acq On : 19 Apr 2019 18:44
Operator : JC/SP
Sample : K2455-11
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1

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

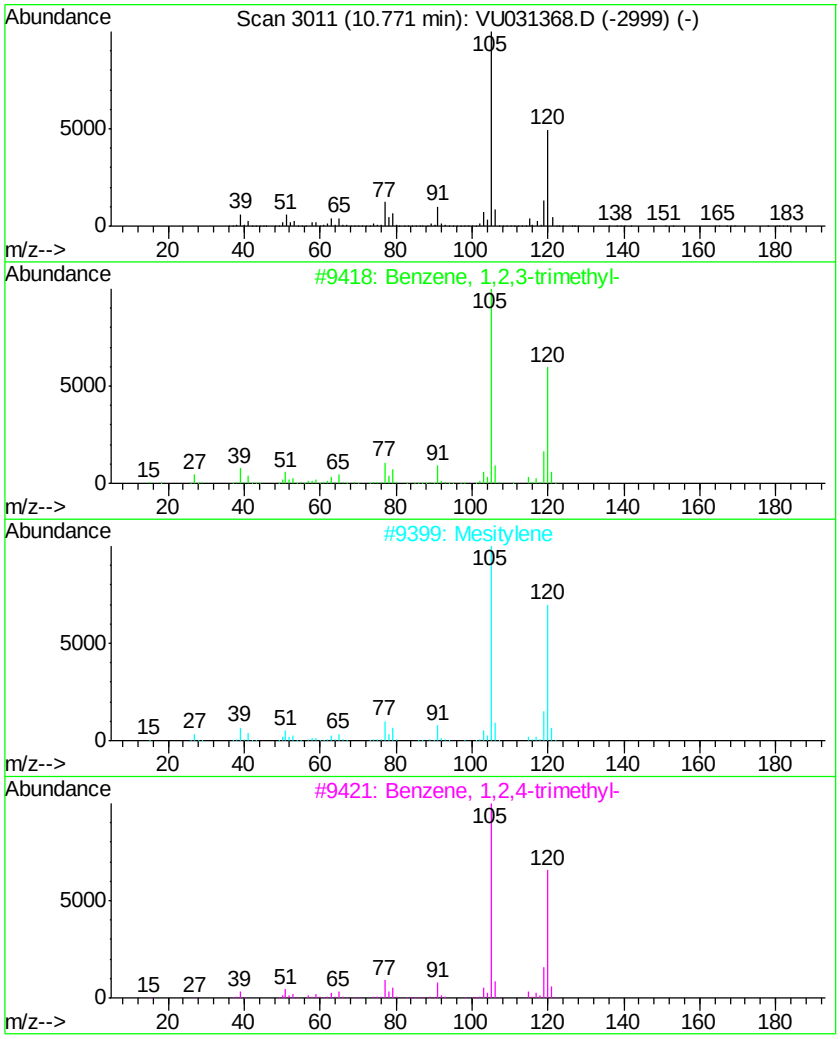
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

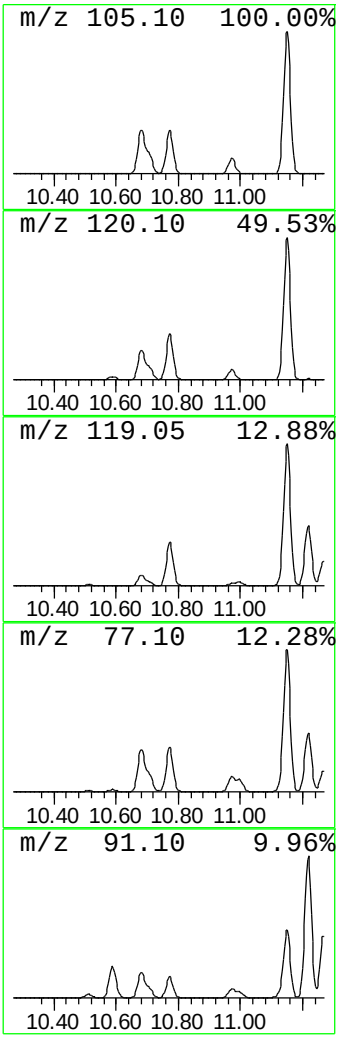
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	222.13 ug/L	9073290	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	97
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
4	Mesitylene	120	C9H12	000108-67-8	95
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031368.D
Acq On : 19 Apr 2019 18:44
Operator : JC/SP
Sample : K2455-11
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1

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

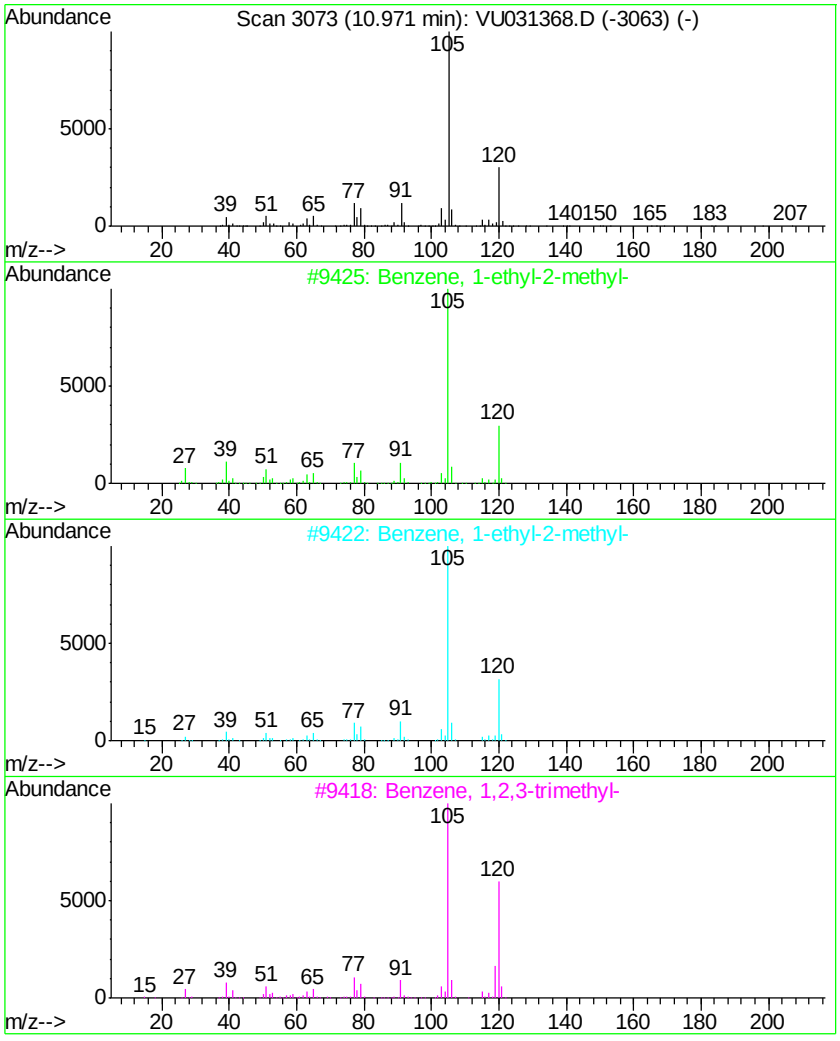
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

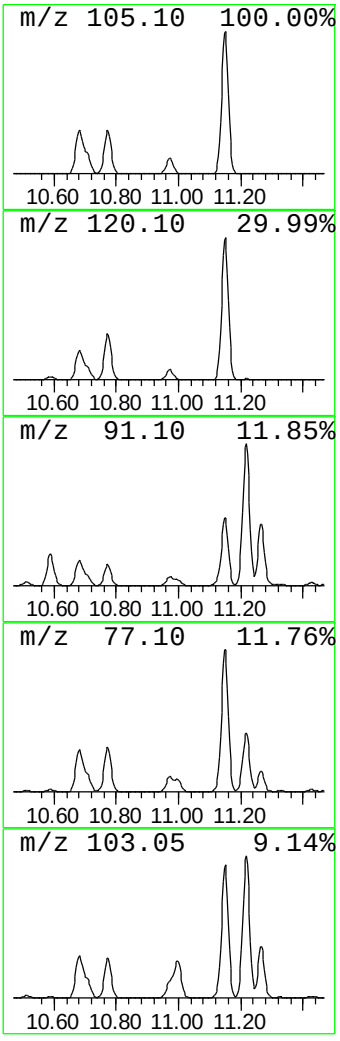
****

Peak Number 6 Benzene, 1-ethyl-2-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	71.47 ug/L	2919160	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	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





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Data File : VU031368.D
Acq On : 19 Apr 2019 18:44
Operator : JC/SP
Sample : K2455-11
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1

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

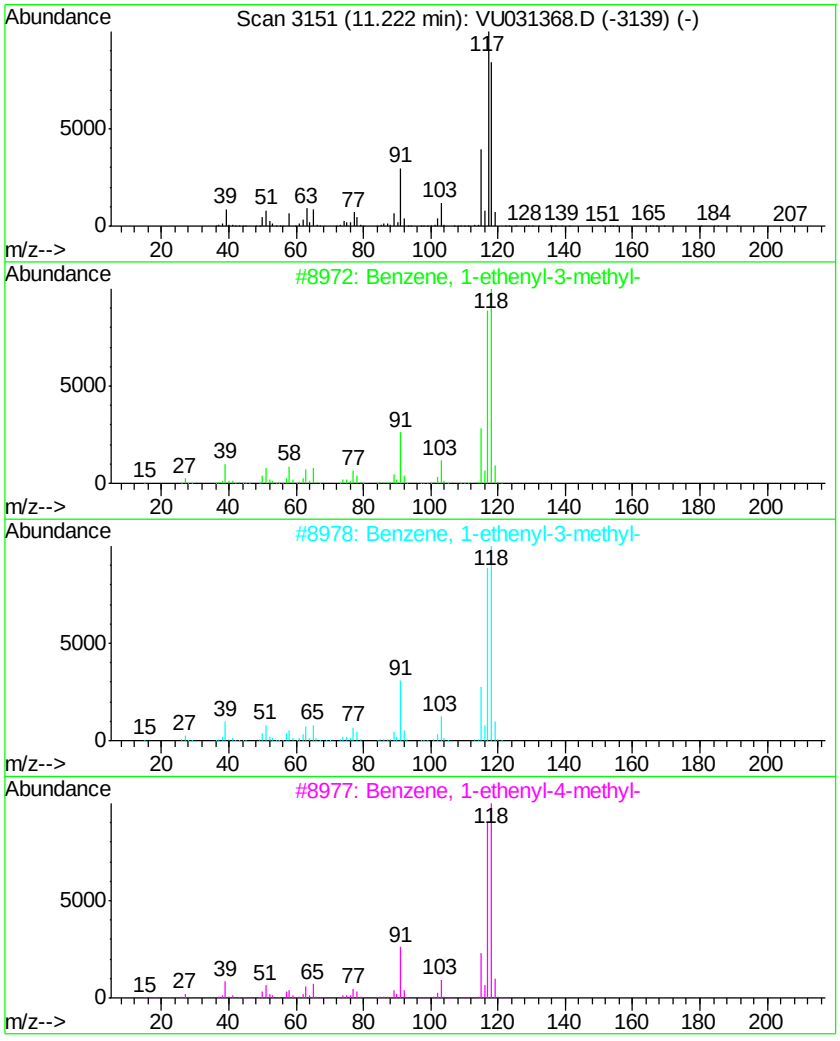
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

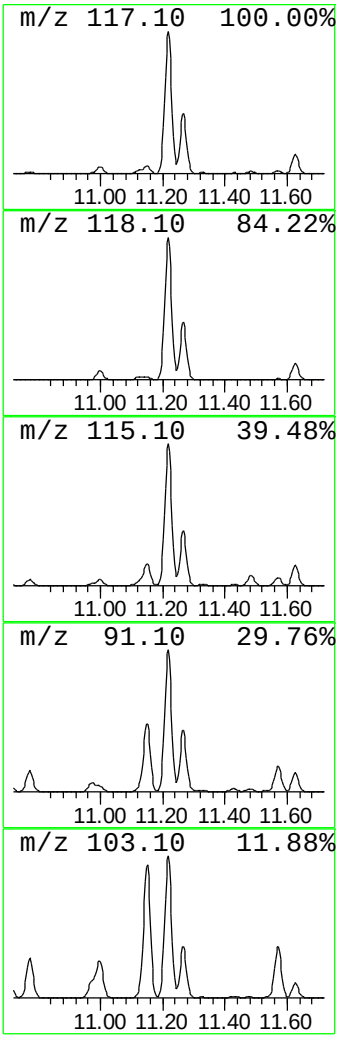
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	669.06 ug/L	27328500	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-3-methyl-	118	C9H10	000100-80-1	96
3	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	95
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
5	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	94





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Acq On : 19 Apr 2019 18:44
Operator : JC/SP
Sample : K2455-11
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1

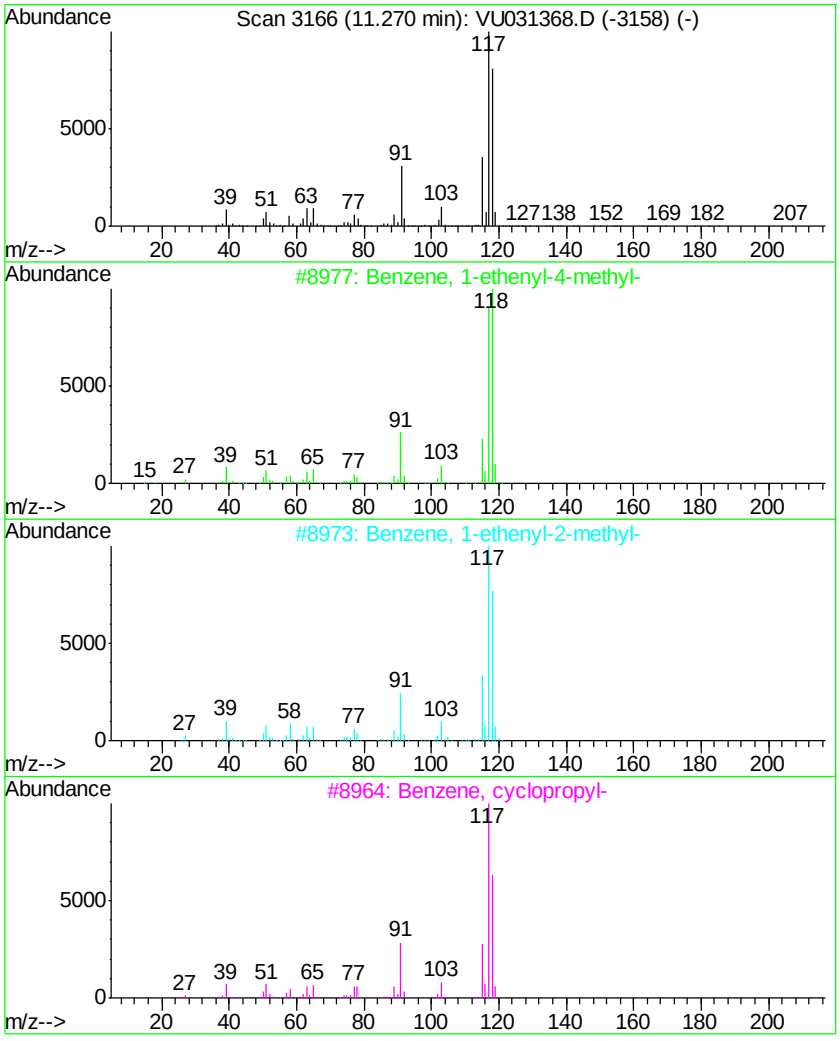
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

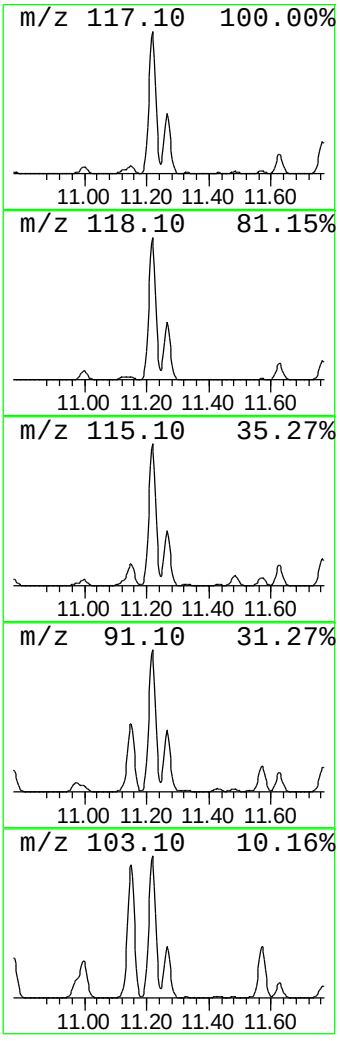
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, 1-ethenyl-4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.27	253.55 ug/L	10356400	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	95
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
4	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	94
5	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	93





Library Search Compound Report

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Data File : VU031368.D
Acq On : 19 Apr 2019 18:44
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Sample : K2455-11
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1

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

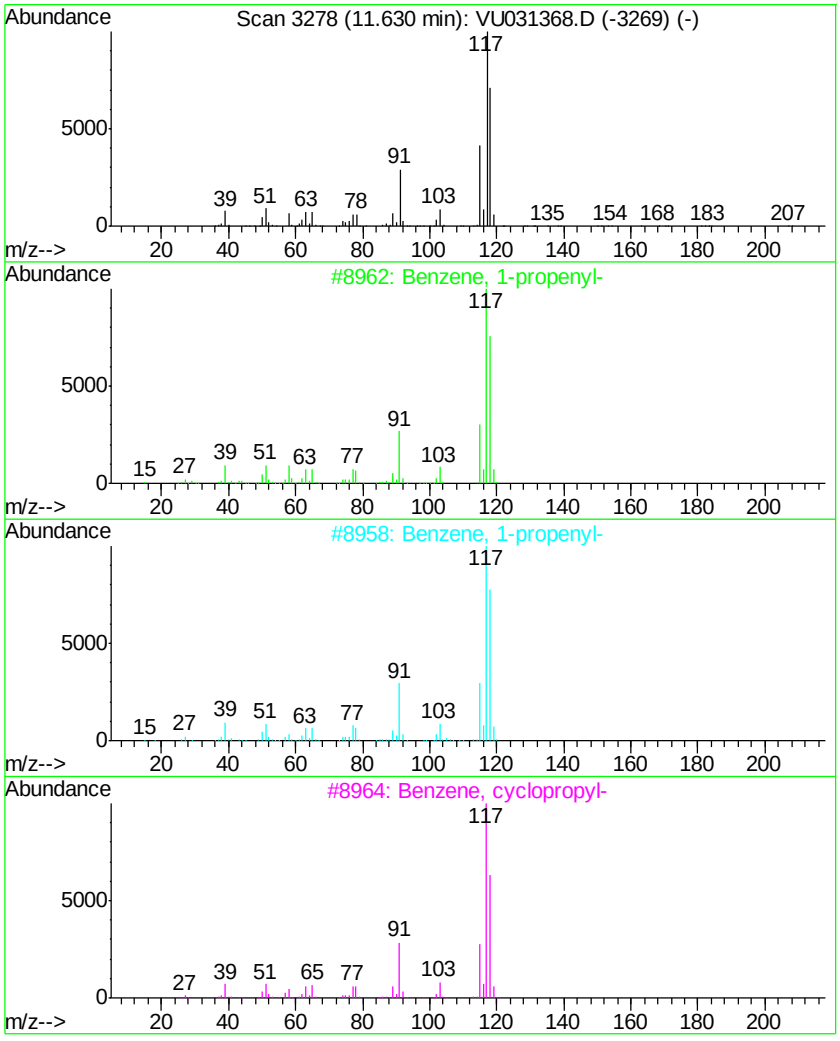
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

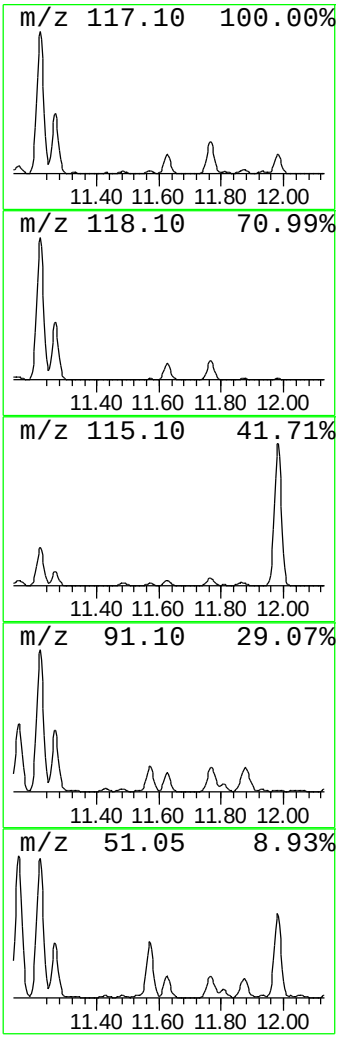
****

Peak Number 11 Benzene, 1-propenyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.63	85.49 ug/L	3491790	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propenyl-	118	C9H10	000637-50-3	95
2	Benzene, 1-propenyl-	118	C9H10	000637-50-3	95
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	95
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	93
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	93





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Data File : VU031368.D
Acq On : 19 Apr 2019 18:44
Operator : JC/SP
Sample : K2455-11
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1

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

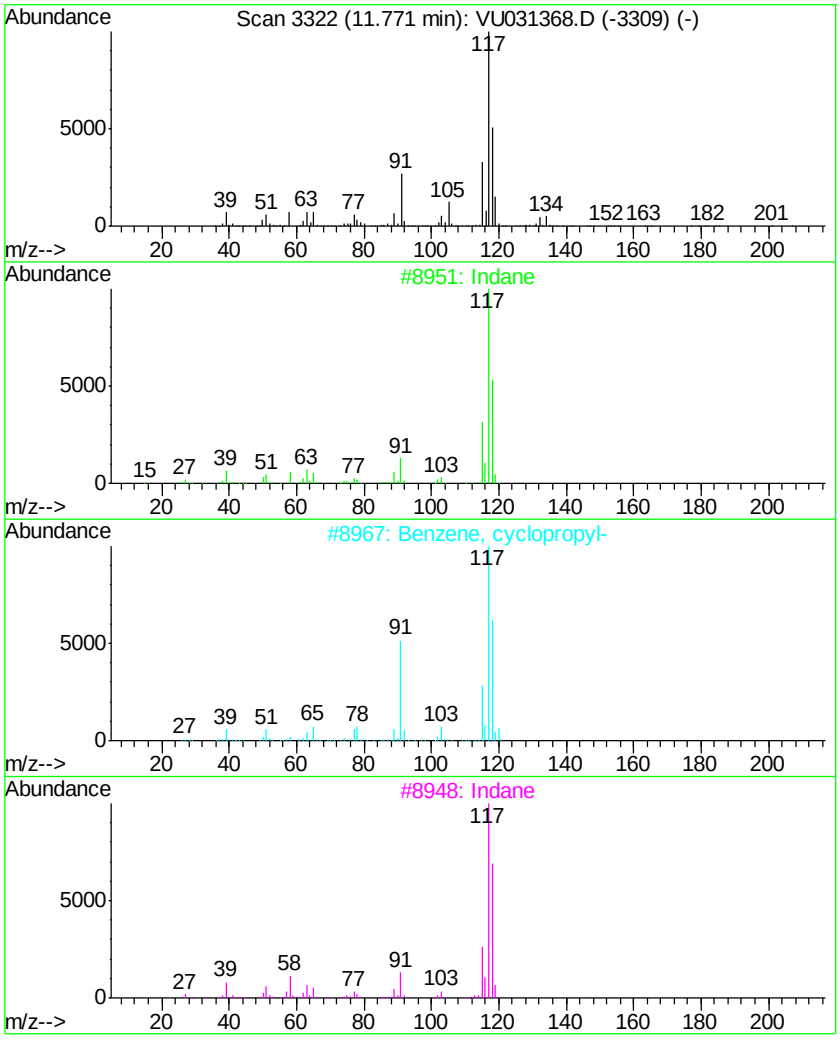
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

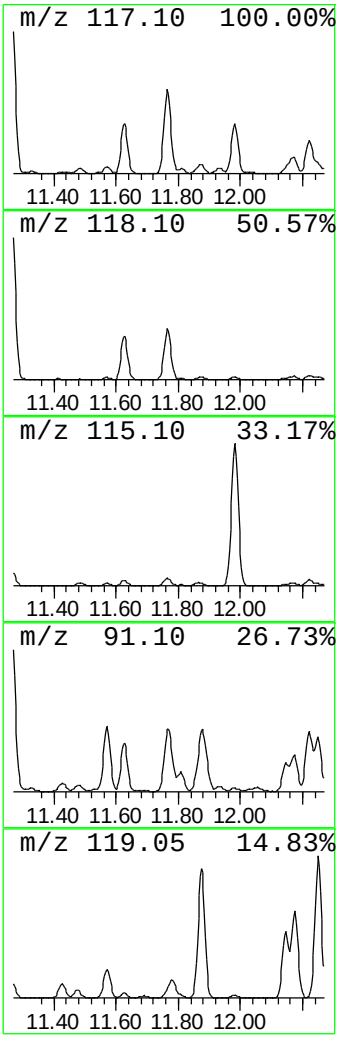
****

Peak Number 12 Indane Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	147.55 ug/L	6026780	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	81
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72
3	Indane	118	C9H10	000496-11-7	72
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72
5	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	68





Library Search Compound Report

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Data File : VU031368.D
Acq On : 19 Apr 2019 18:44
Operator : JC/SP
Sample : K2455-11
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1

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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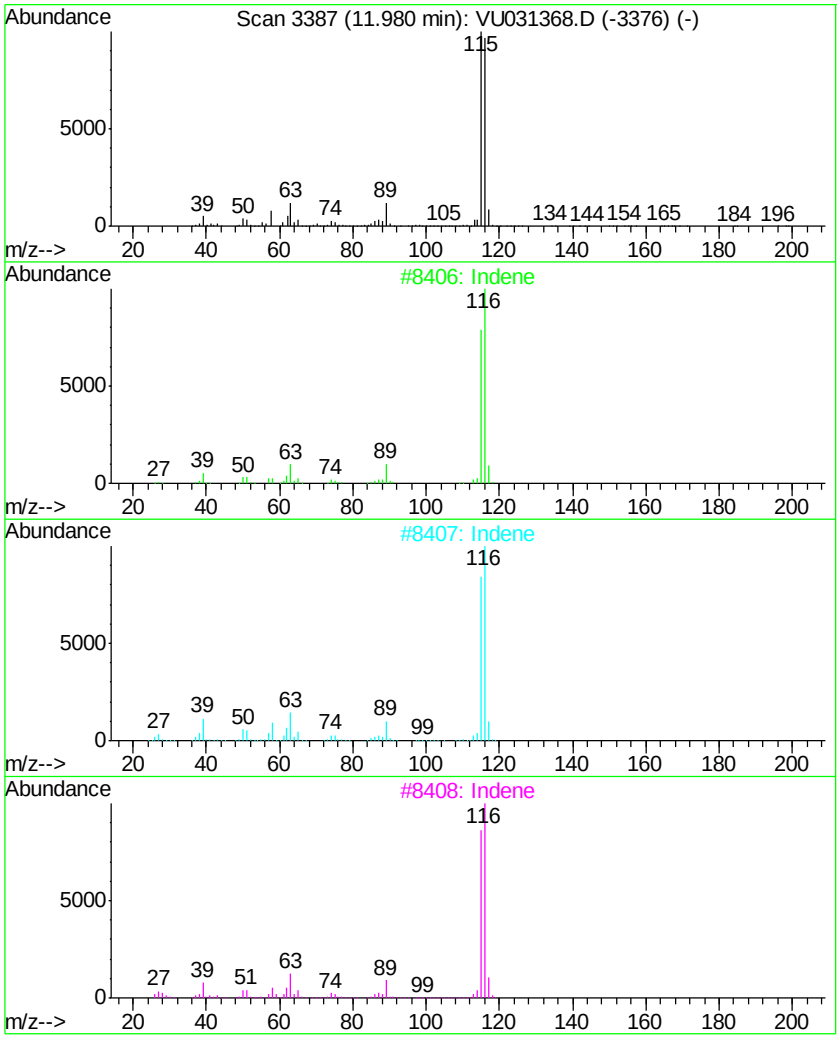
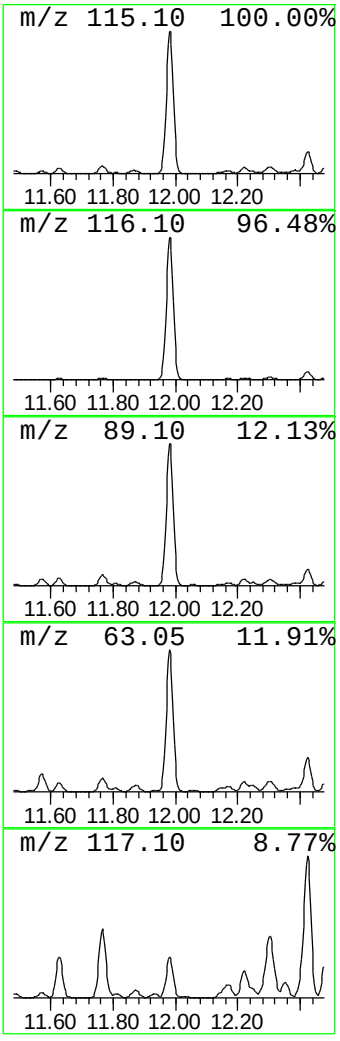
Peak Number 13 Indene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	779.27 ug/L	31830500	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-propynyl-	116	C9H8	000673-32-5	94
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91





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Acq On : 19 Apr 2019 18:44
Operator : JC/SP
Sample : K2455-11
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1

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

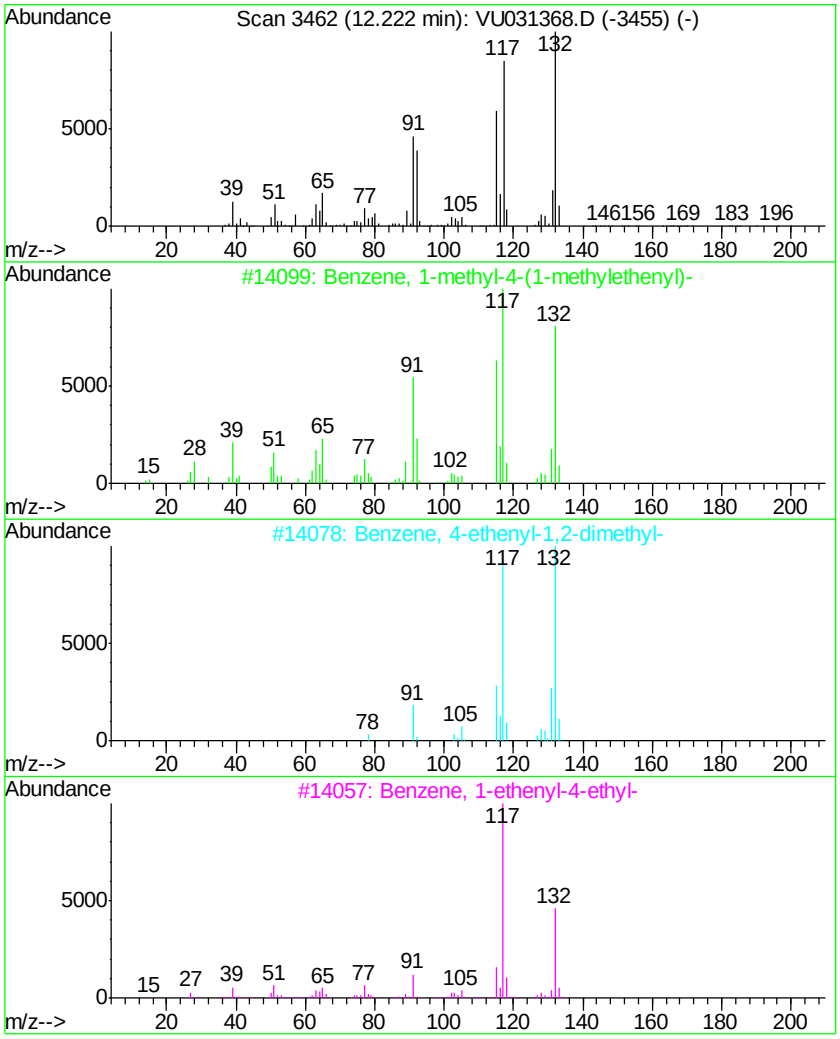
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

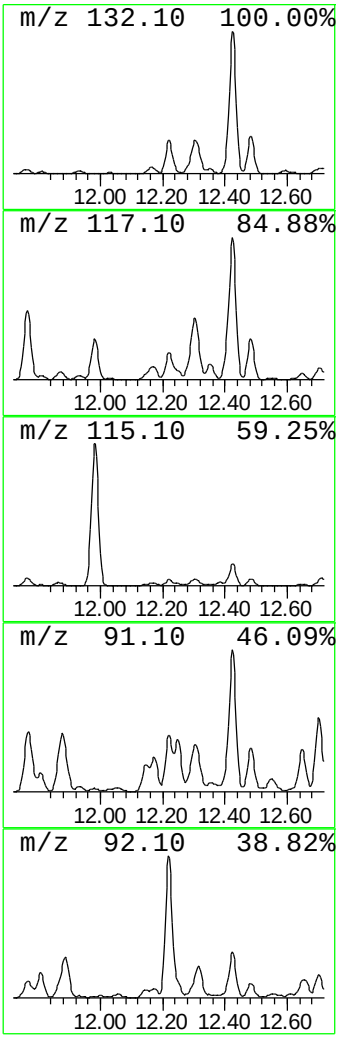
****

Peak Number 15 Benzene, 1-methyl-4-(1-meth... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	83.89 ug/L	3426800	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	95
2	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	93
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	92
4	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	76
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	76





Library Search Compound Report

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Data File : VU031368.D
Acq On : 19 Apr 2019 18:44
Operator : JC/SP
Sample : K2455-11
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1

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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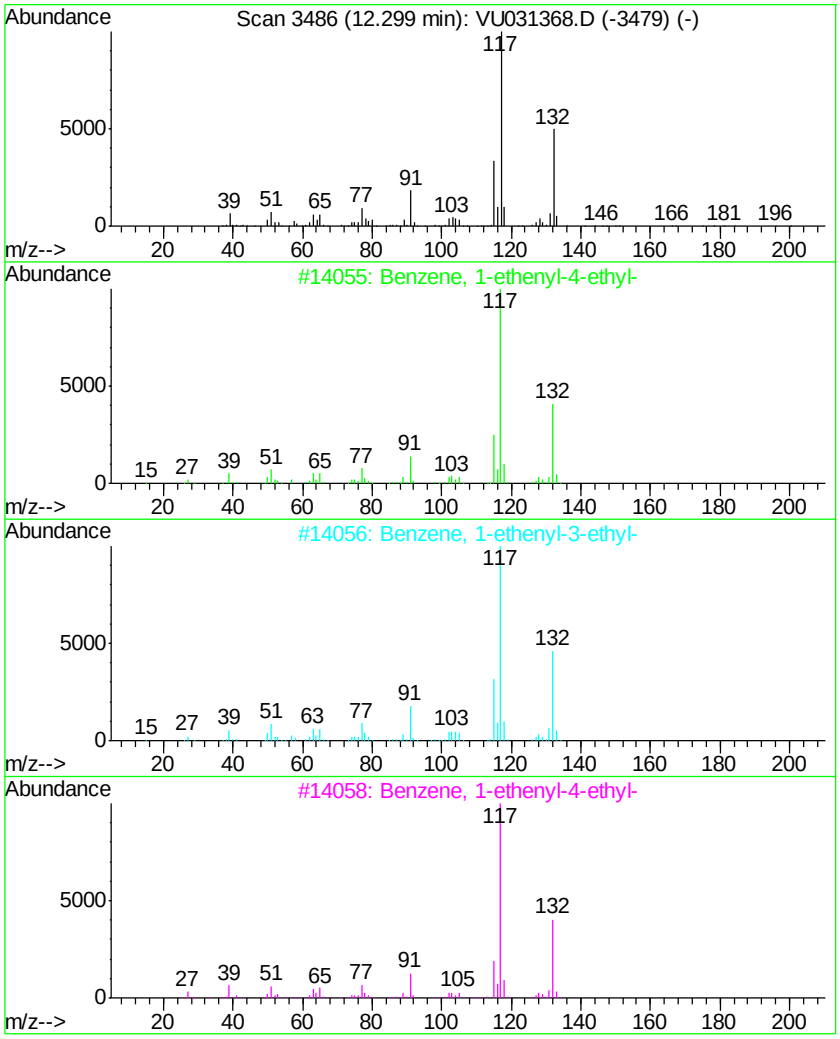
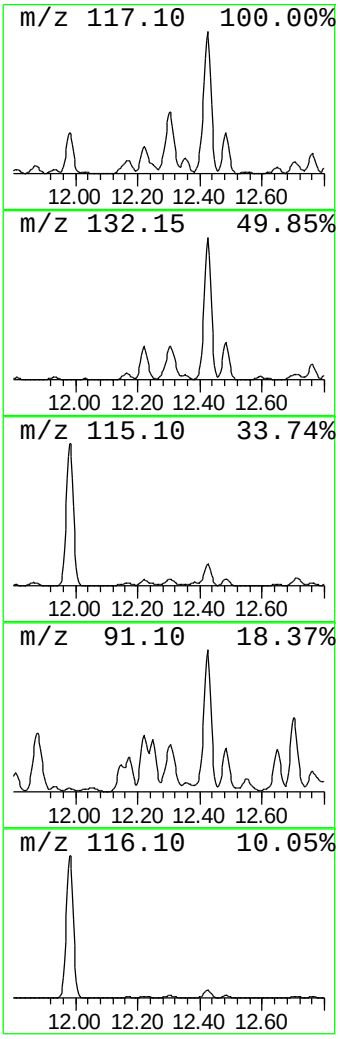
Peak Number 16 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	124.61 ug/L	5089930	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	97
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	96
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	93
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	91





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Data File : VU031368.D
Acq On : 19 Apr 2019 18:44
Operator : JC/SP
Sample : K2455-11
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1

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

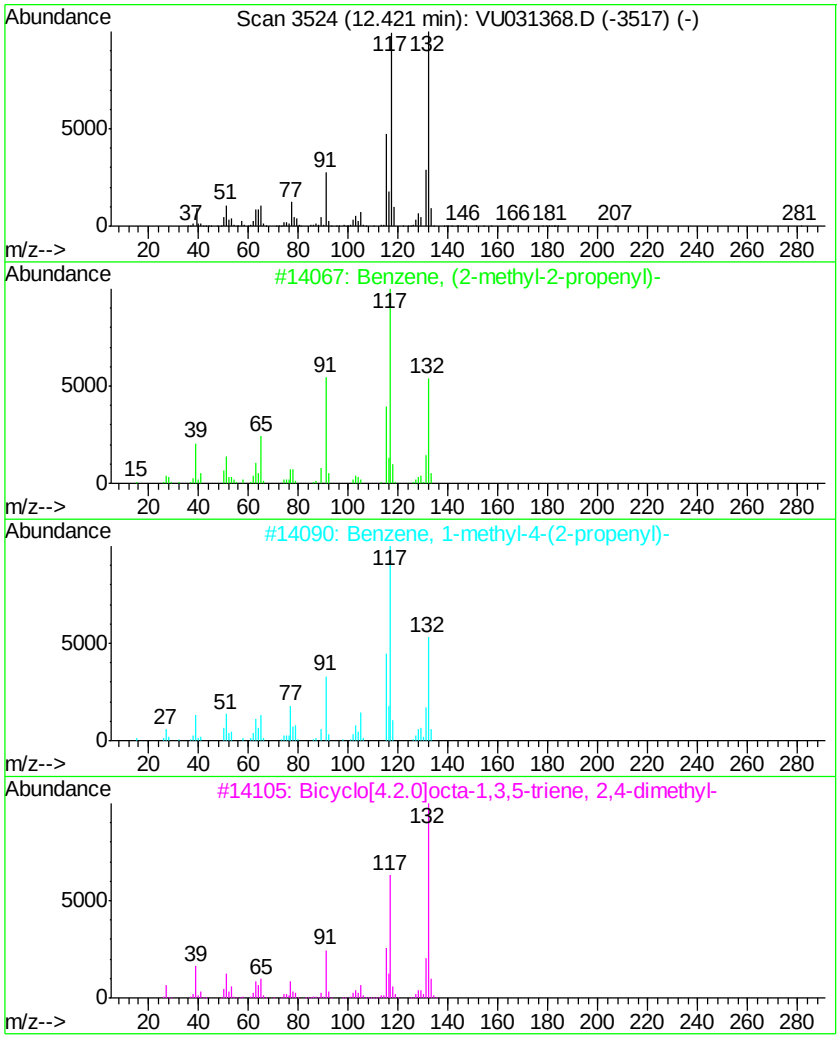
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

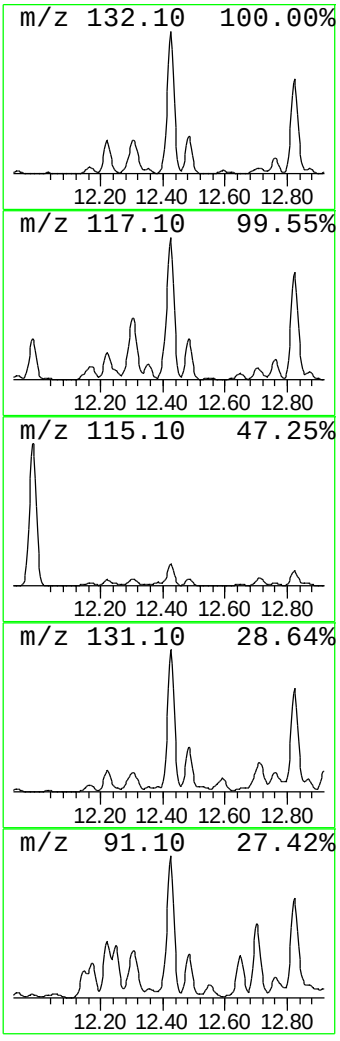
****

Peak Number 17 Benzene, (2-methyl-2-propen... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	381.74 ug/L	15592700	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	95
2	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	94
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	94
4	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	94
5	2,4-Dimethylstyrene	132	C10H12	002234-20-0	94





Library Search Compound Report

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Data File : VU031368.D
Acq On : 19 Apr 2019 18:44
Operator : JC/SP
Sample : K2455-11
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1

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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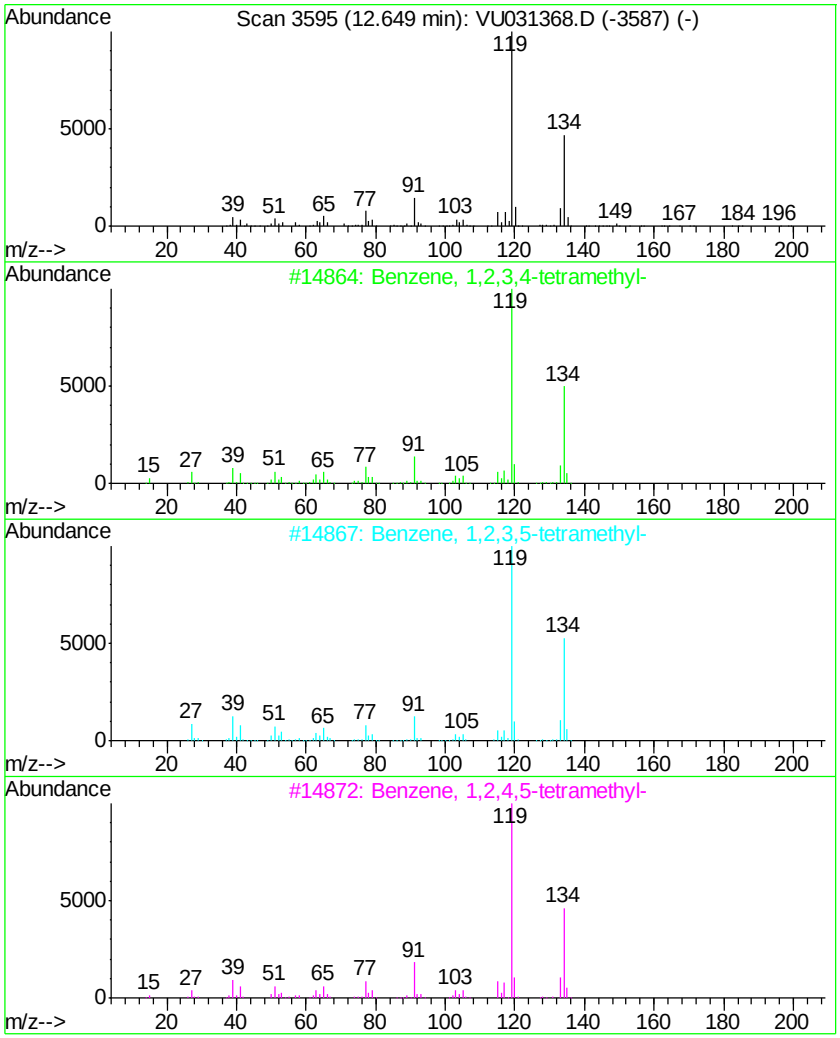
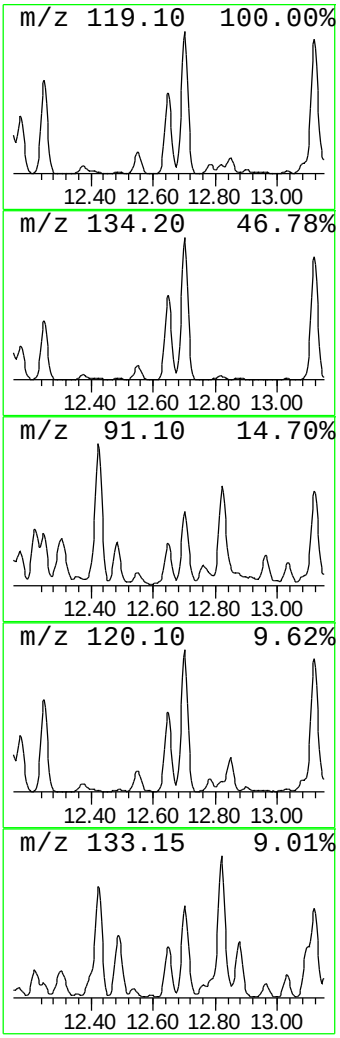
Peak Number 19 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	104.85 ug/L	4282810	1,4-Dichlorobenzene-d4	11.49

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





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Data File : VU031368.D
Acq On : 19 Apr 2019 18:44
Operator : JC/SP
Sample : K2455-11
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1

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

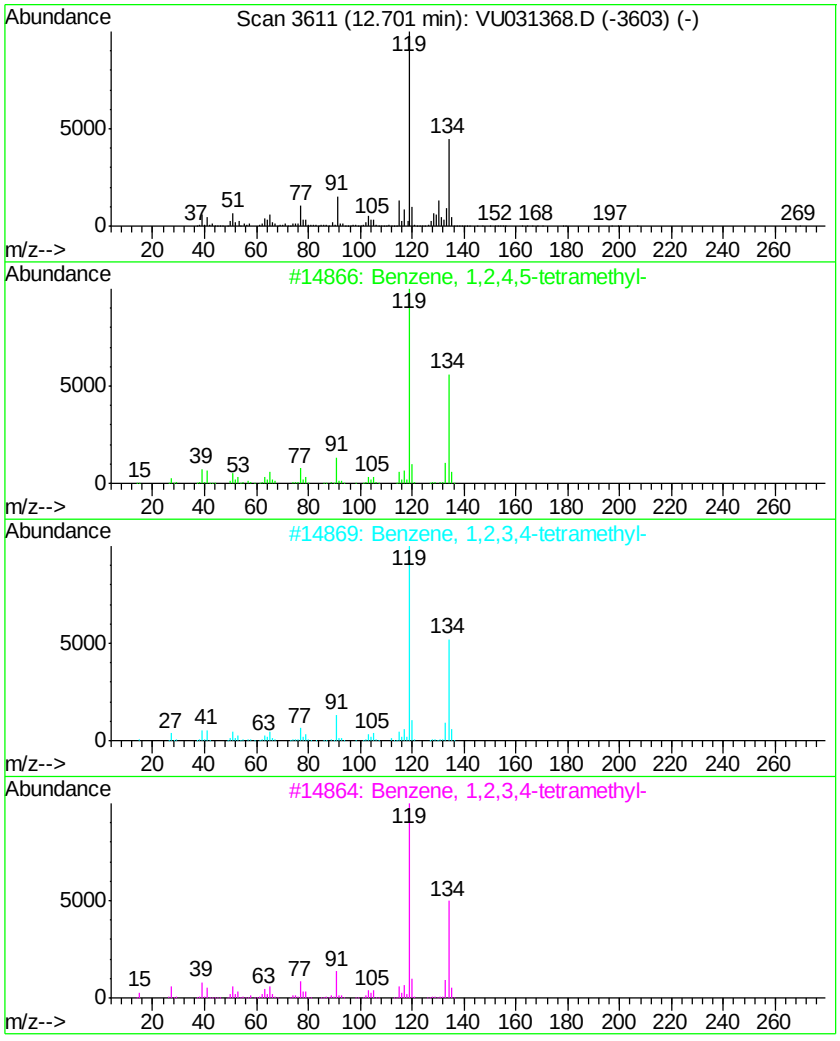
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

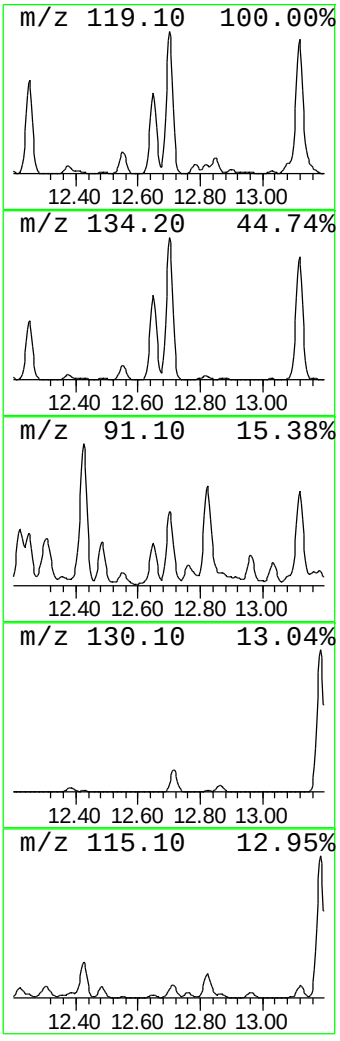
****

Peak Number 20 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	306.37 ug/L	12514000	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	93
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	93
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	93
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	93
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	93





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Acq On : 19 Apr 2019 18:44
Operator : JC/SP
Sample : K2455-11
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1

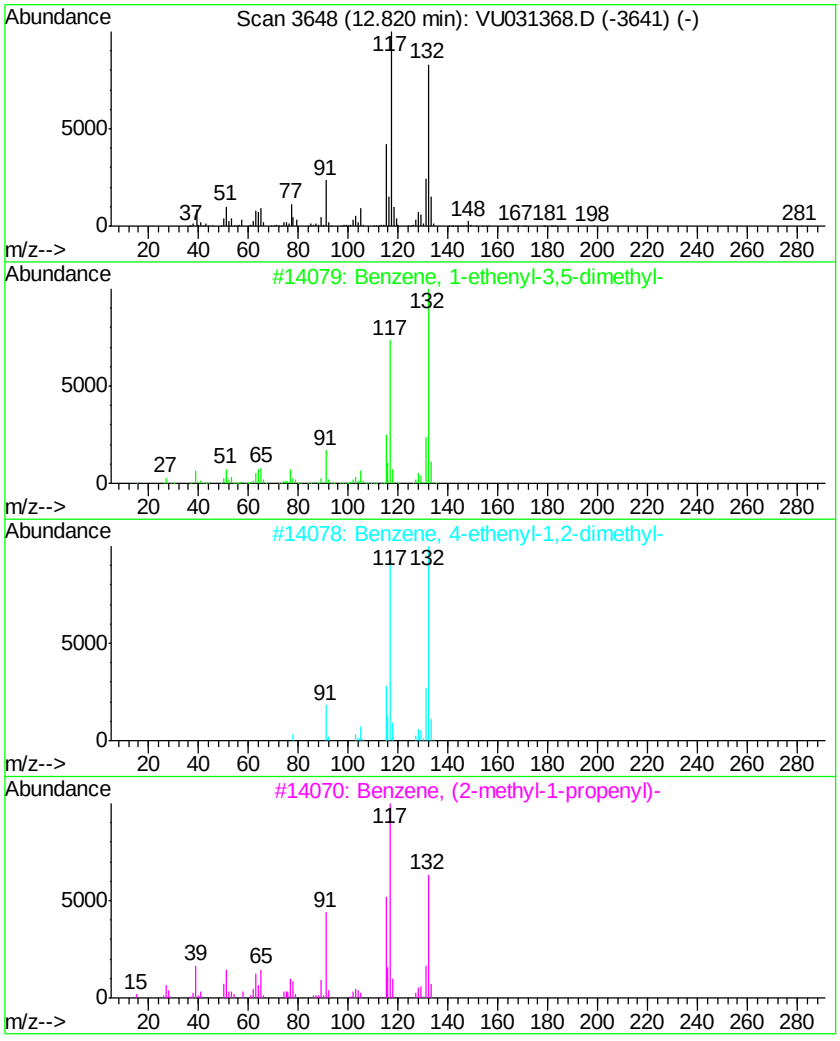
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

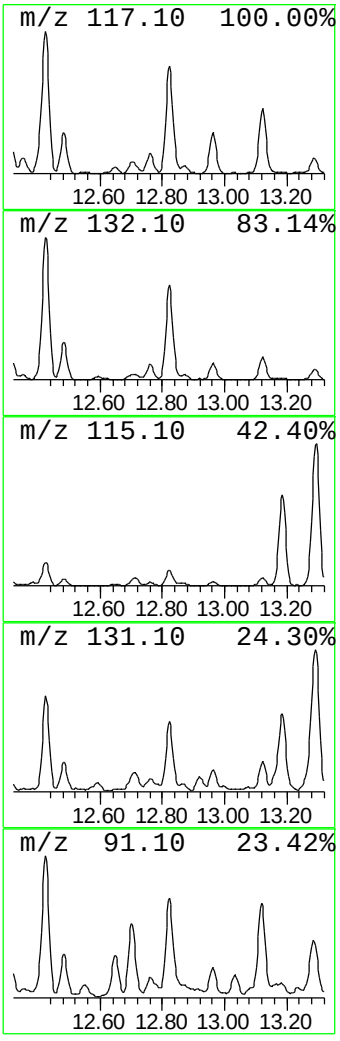
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Benzene, 1-ethenyl-3,5-dime... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.82	273.01 ug/L	11151300	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	96
2	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	95
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	95
4	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	95
5	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	94





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Data File : VU031368.D
Acq On : 19 Apr 2019 18:44
Operator : JC/SP
Sample : K2455-11
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1

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

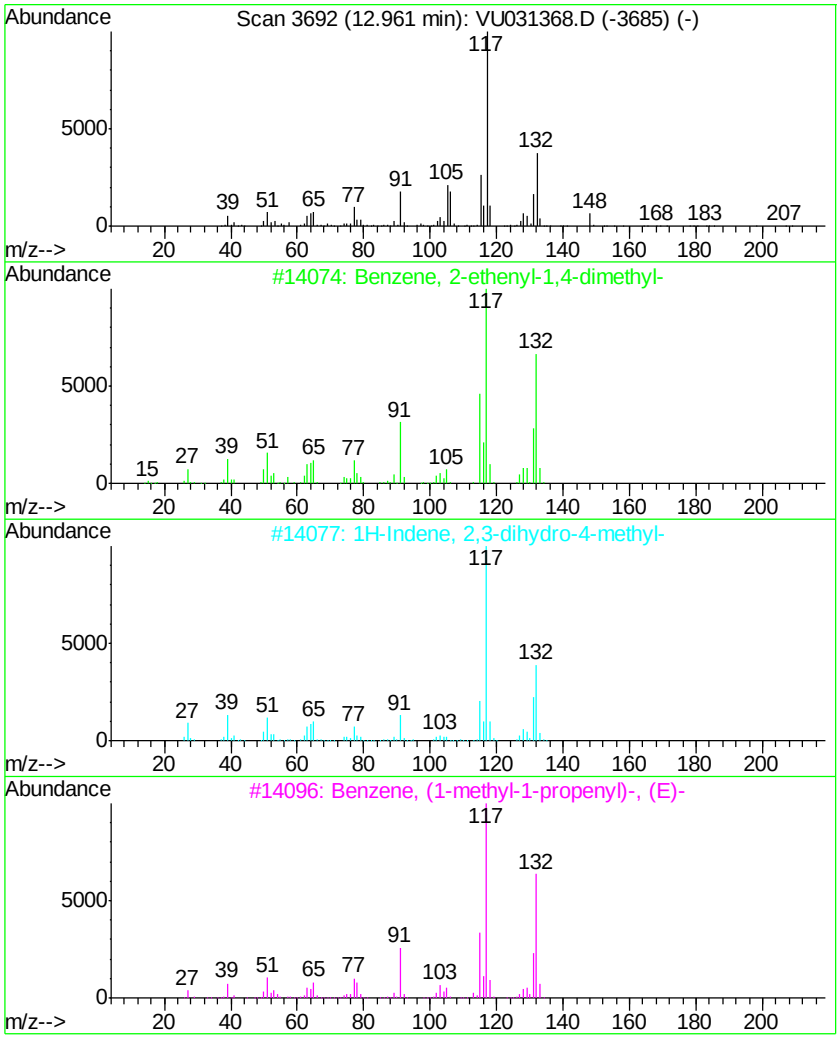
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

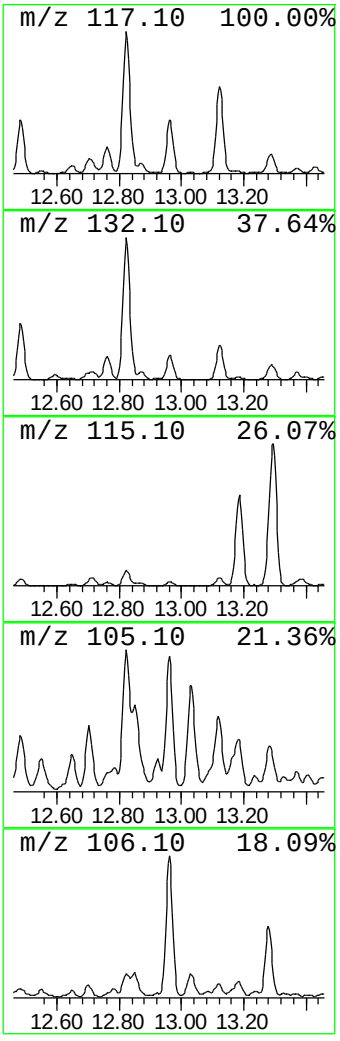
****

Peak Number 22 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	81.45 ug/L	3326860	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	90
4	Indan, 1-methyl-	132	C10H12	000767-58-8	81
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	81





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Data File : VU031368.D
Acq On : 19 Apr 2019 18:44
Operator : JC/SP
Sample : K2455-11
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1

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

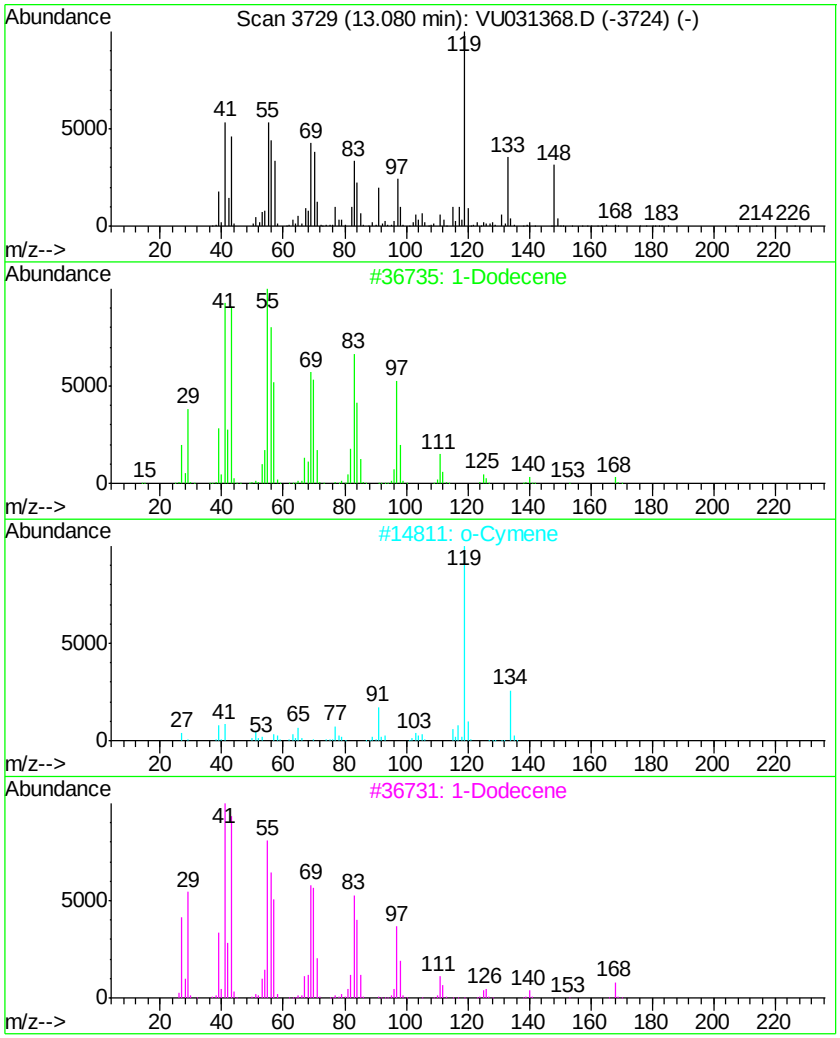
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

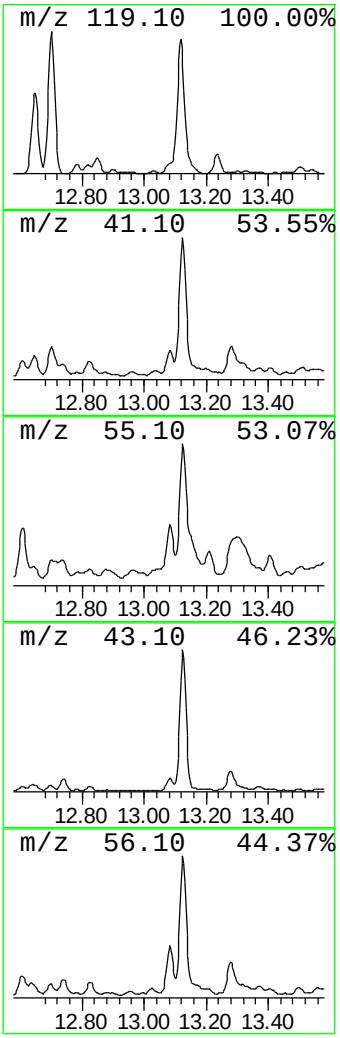
****

Peak Number 23 (DEL) Alkane: Cyclic13.08 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	29.12 ug/L	1189520	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Dodecene	168	C12H24	000112-41-4	74
2	o-Cymene	134	C10H14	000527-84-4	70
3	1-Dodecene	168	C12H24	000112-41-4	41
4	o-Cymene	134	C10H14	000527-84-4	38
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	38





Library Search Compound Report

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Data File : VU031368.D
Acq On : 19 Apr 2019 18:44
Operator : JC/SP
Sample : K2455-11
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1

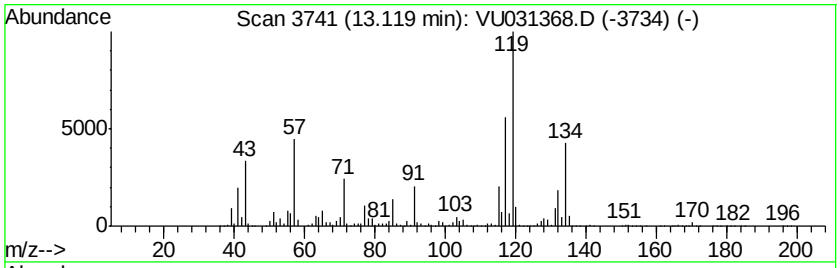
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

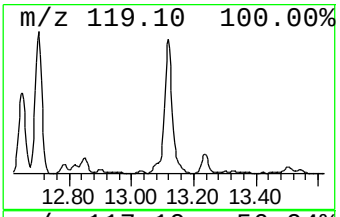
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

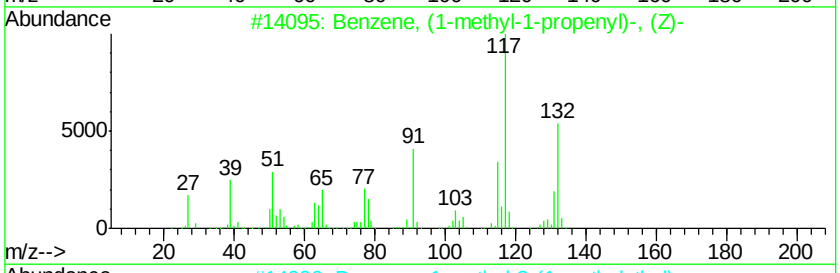
****
Peak Number 24 Benzene, (1-methyl-1-propen... Concentration Rank 9

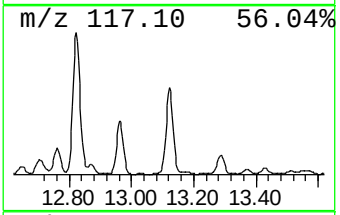
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	420.13 ug/L	17160700	1,4-Dichlorobenzene-d4	11.49

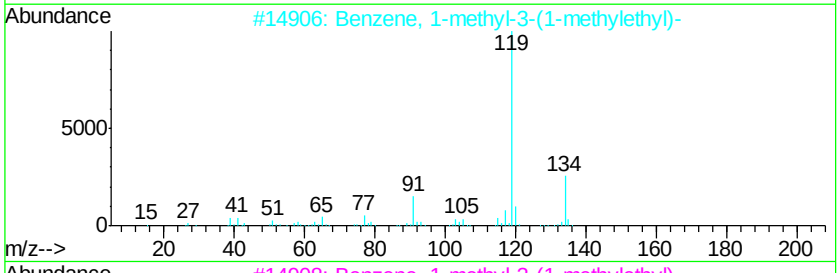
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	72
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	55
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	55
4	o-Cymene	134	C10H14	000527-84-4	55
5	p-Cymene	134	C10H14	000099-87-6	55

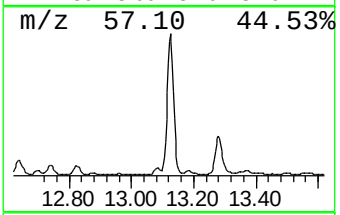


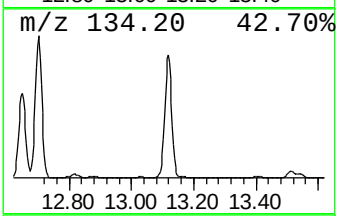


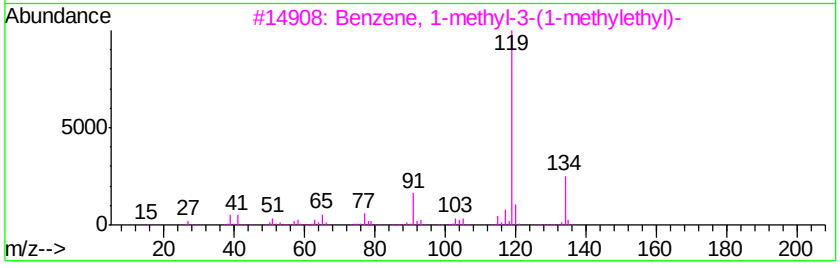


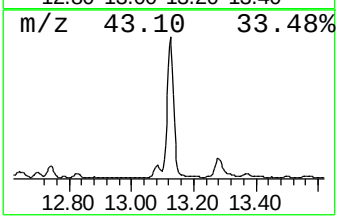












Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031368.D
Acq On : 19 Apr 2019 18:44
Operator : JC/SP
Sample : K2455-11
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1

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

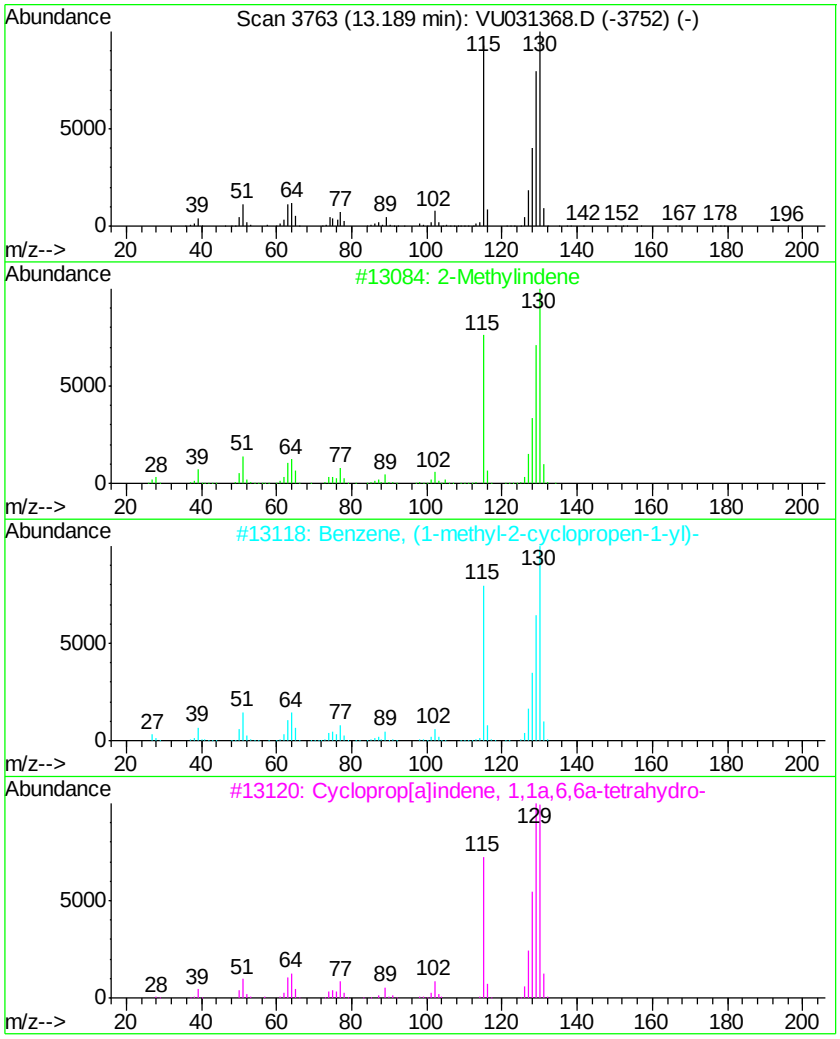
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

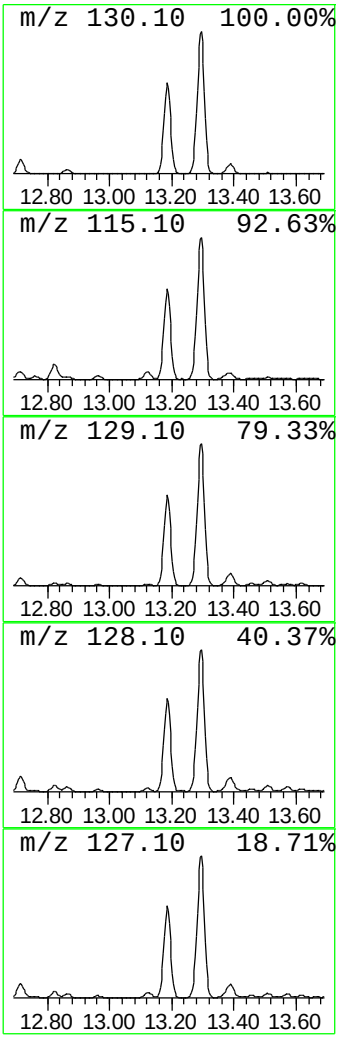
****

Peak Number 25 2-Methylindene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	775.23 ug/L	31665400	1,4-Dichlorobenzene-d4	11.49

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	95
3	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	95
4	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94
5	Benzene, 1-butynyl-	130	C10H10	000622-76-4	94





Library Search Compound Report

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Data File : VU031368.D
Acq On : 19 Apr 2019 18:44
Operator : JC/SP
Sample : K2455-11
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1

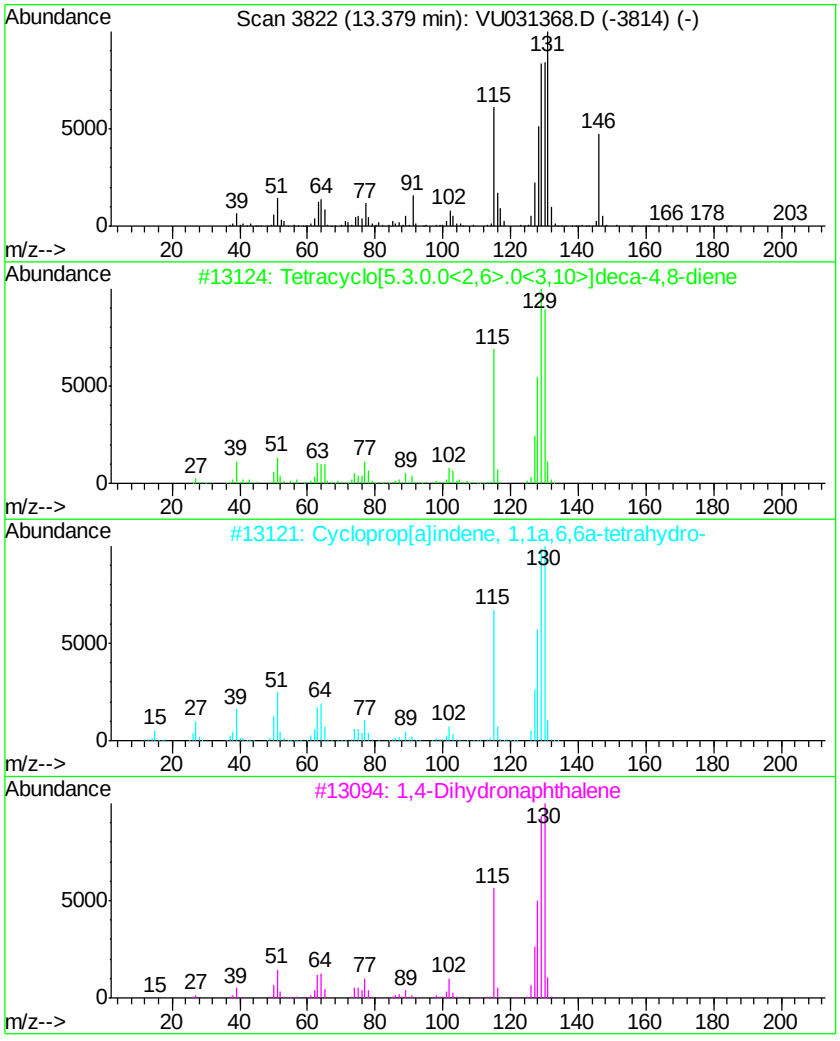
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

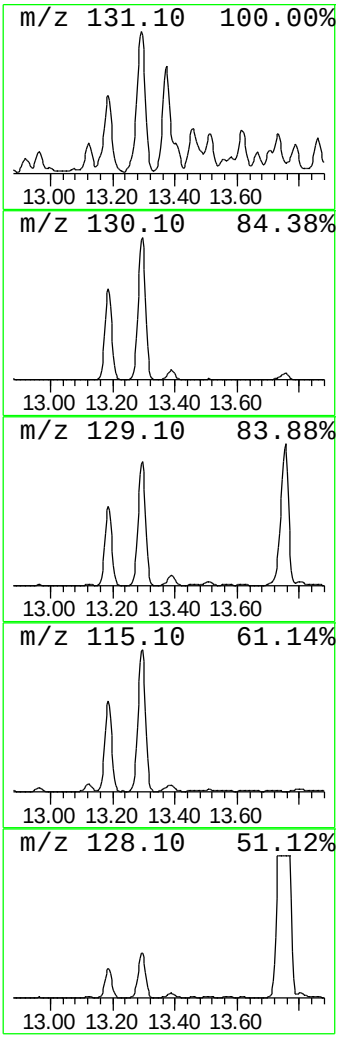
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 Tetracyclo[5.3.0.0<2,6>.0<3... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	167.83 ug/L	6855310	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracyclo[5.3.0.0<2,6>.0<3,10>]...	130	C10H10	034324-40-8	90
2	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	89
3	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	89
4	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	87
5	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	55





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Data File : VU031368.D
Acq On : 19 Apr 2019 18:44
Operator : JC/SP
Sample : K2455-11
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1

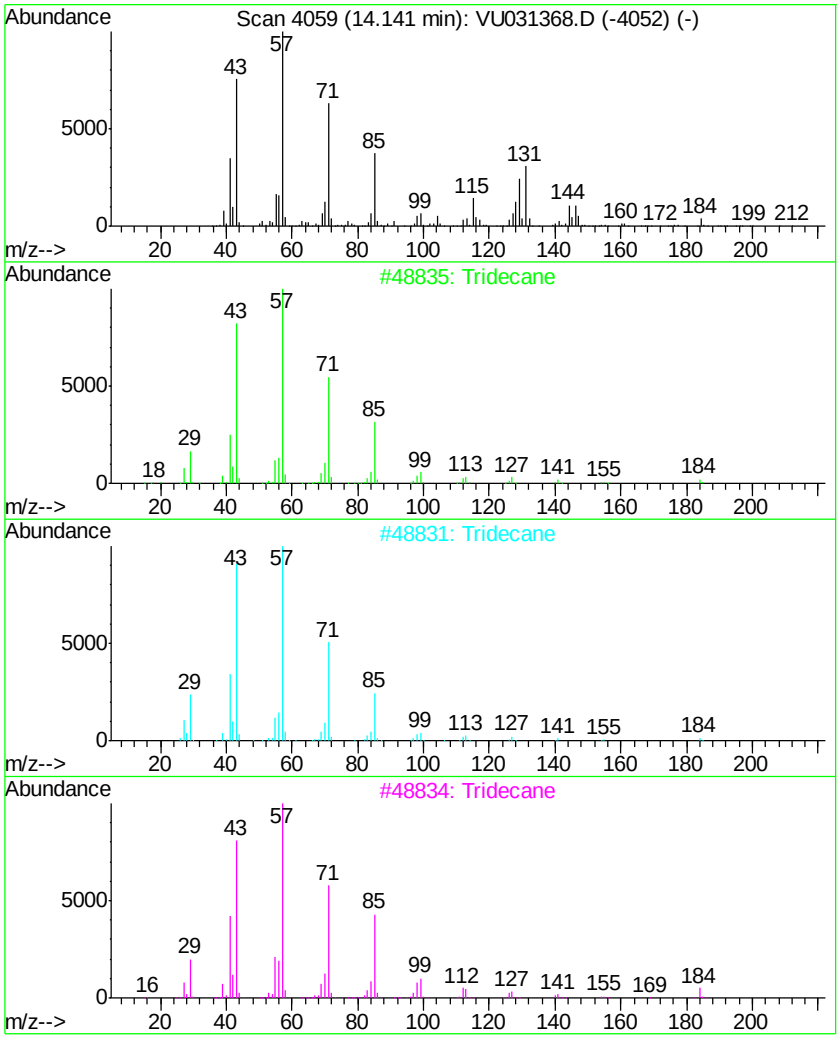
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

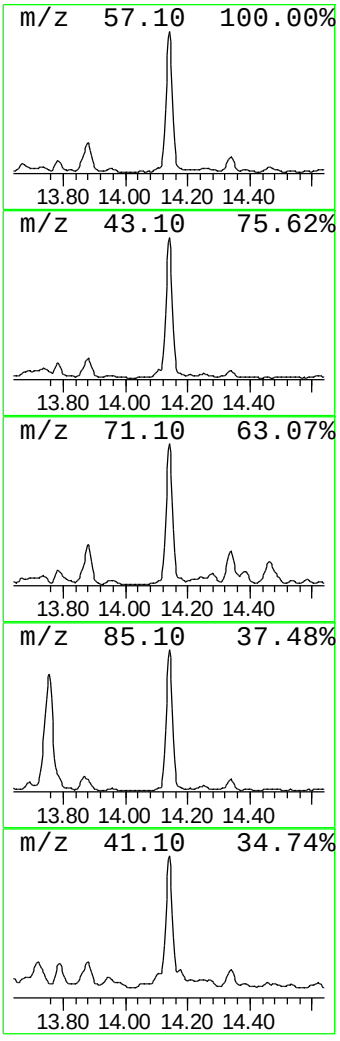
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	153.82 ug/L	6283160	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	95
2	Tridecane	184	C13H28	000629-50-5	87
3	Tridecane	184	C13H28	000629-50-5	70
4	4-Octanone	128	C8H16O	000589-63-9	43
5	Tetradecane	198	C14H30	000629-59-4	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031368.D
Acq On : 19 Apr 2019 18:44
Operator : JC/SP
Sample : K2455-11
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1

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

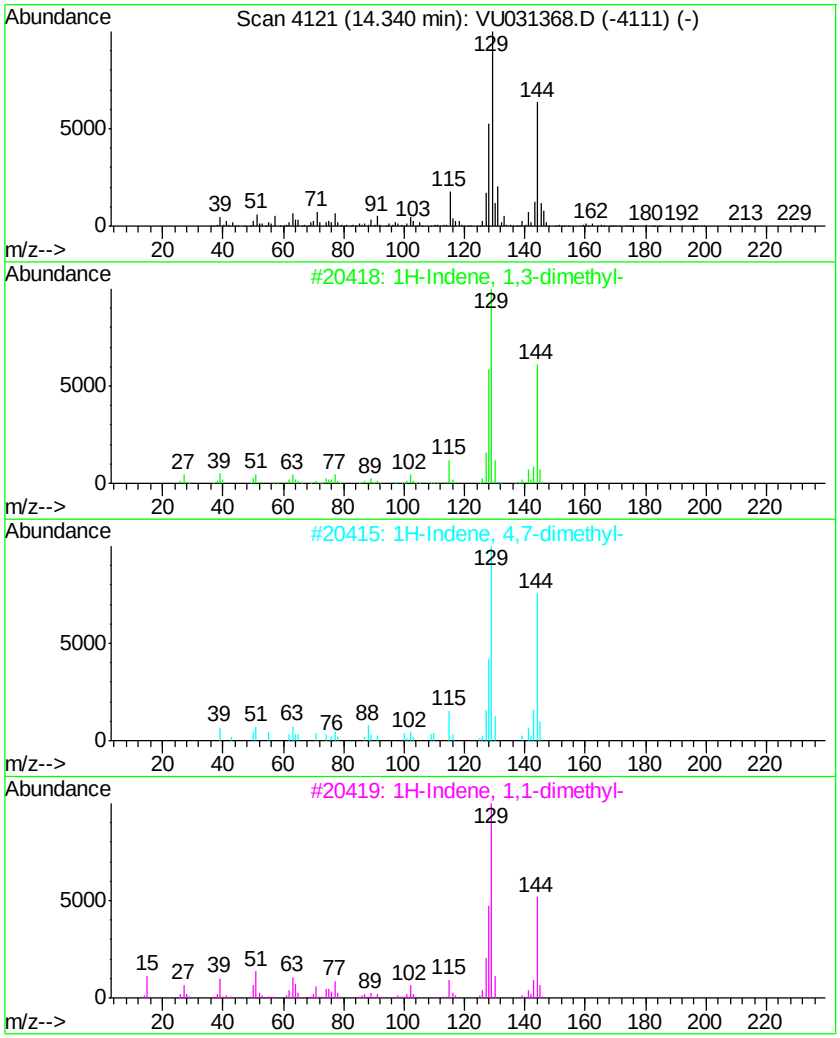
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

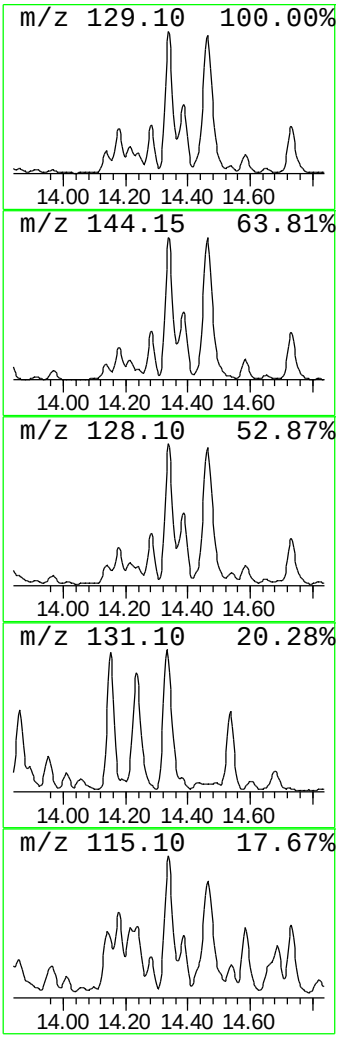
****

Peak Number 30 1H-Indene, 1,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	278.32 ug/L	11368200	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	94
2	1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	93
3	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	93
4	1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	93
5	1H-Cyclopropa[b]naphthalene, 1a,...	144	C11H12	006571-72-8	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
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Acq On : 19 Apr 2019 18:44
Operator : JC/SP
Sample : K2455-11
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1

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

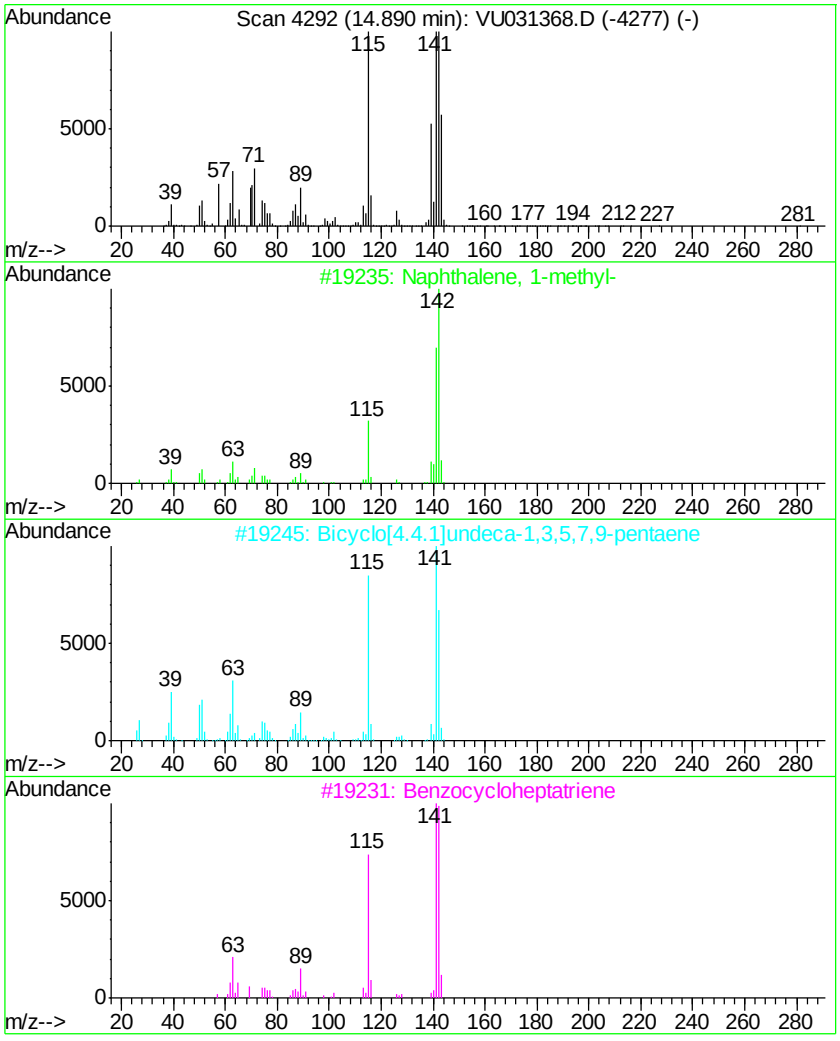
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

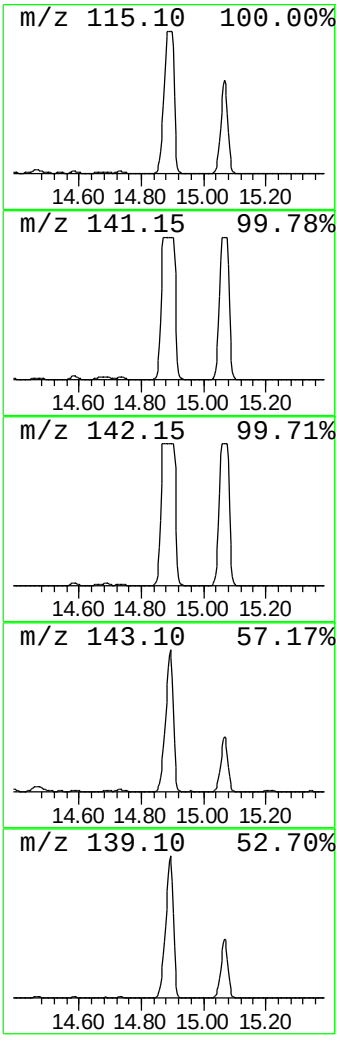
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.89	4429.54 ug/L	180931000	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
2	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	93
3	Benzocycloheptatriene	142	C11H10	000264-09-5	93
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	76
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	76





Library Search Compound Report

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Data File : VU031368.D
Acq On : 19 Apr 2019 18:44
Operator : JC/SP
Sample : K2455-11
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1

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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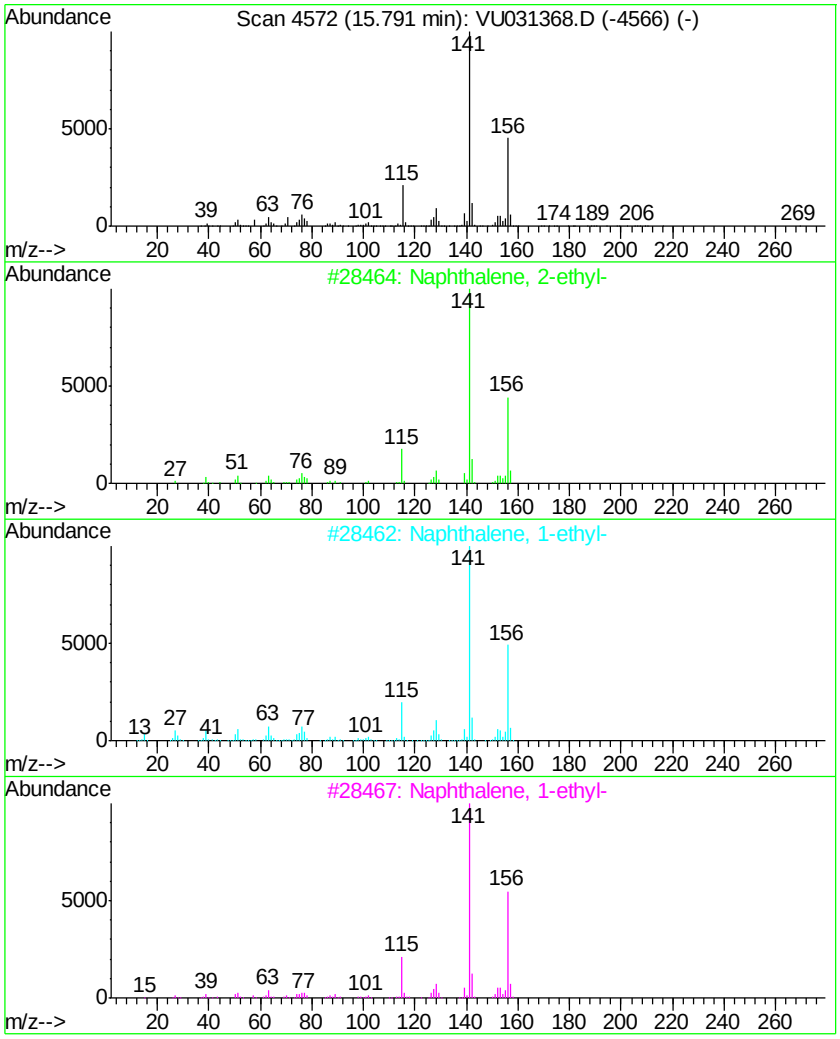
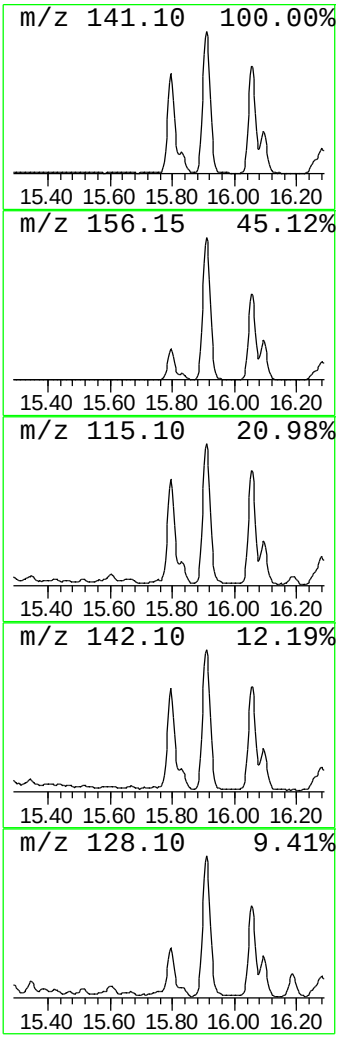
Peak Number 36 Naphthalene, 2-ethyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	54.12 ug/L	2210800	1,4-Dichlorobenzene-d4	11.49

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031368.D
Acq On : 19 Apr 2019 18:44
Operator : JC/SP
Sample : K2455-11
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1

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

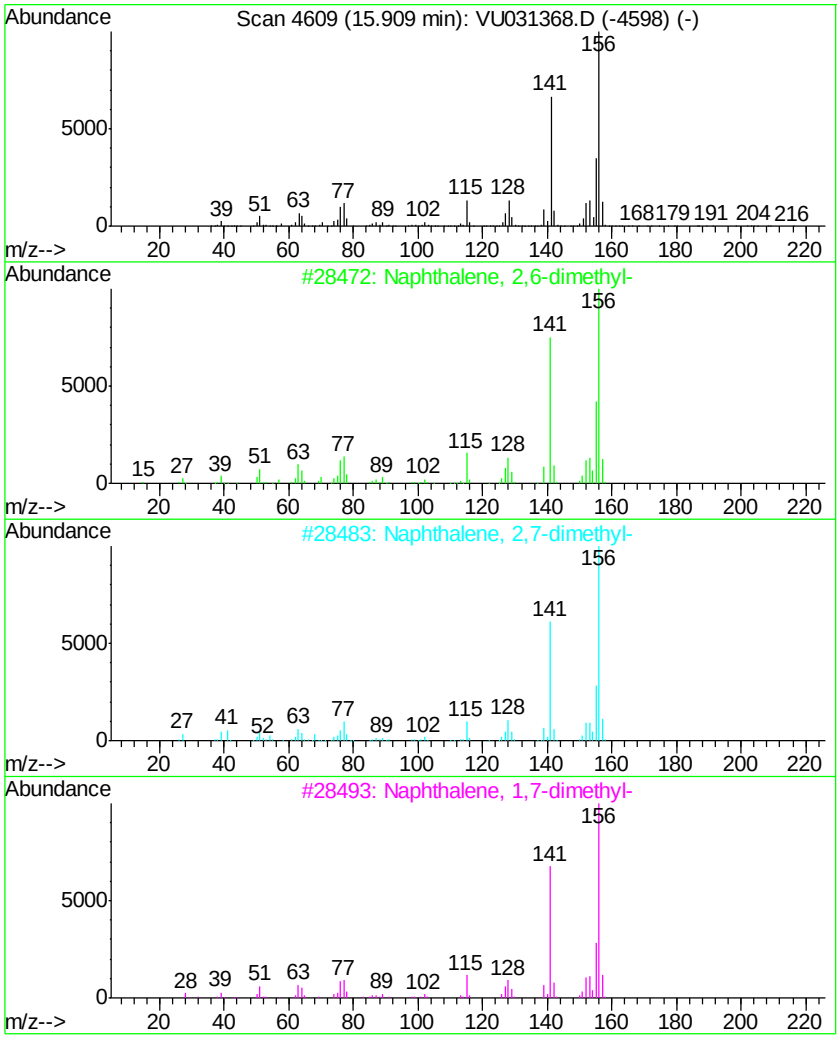
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

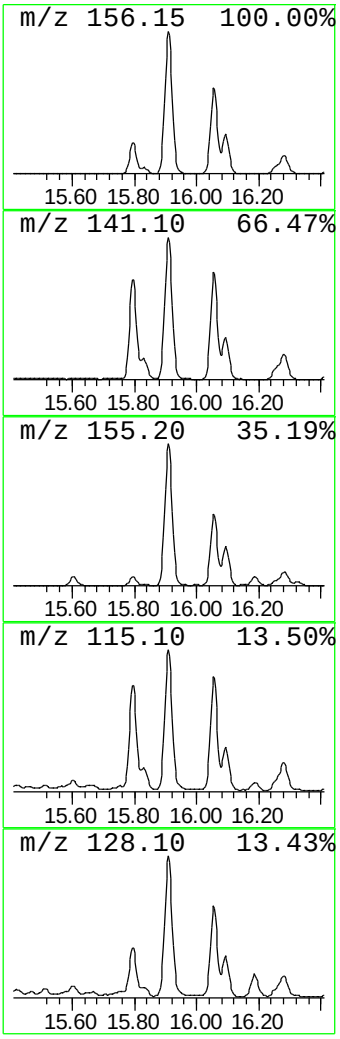
****

Peak Number 37 Naphthalene, 2,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	193.40 ug/L	7899760	1,4-Dichlorobenzene-d4	11.49

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	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031368.D
Acq On : 19 Apr 2019 18:44
Operator : JC/SP
Sample : K2455-11
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1

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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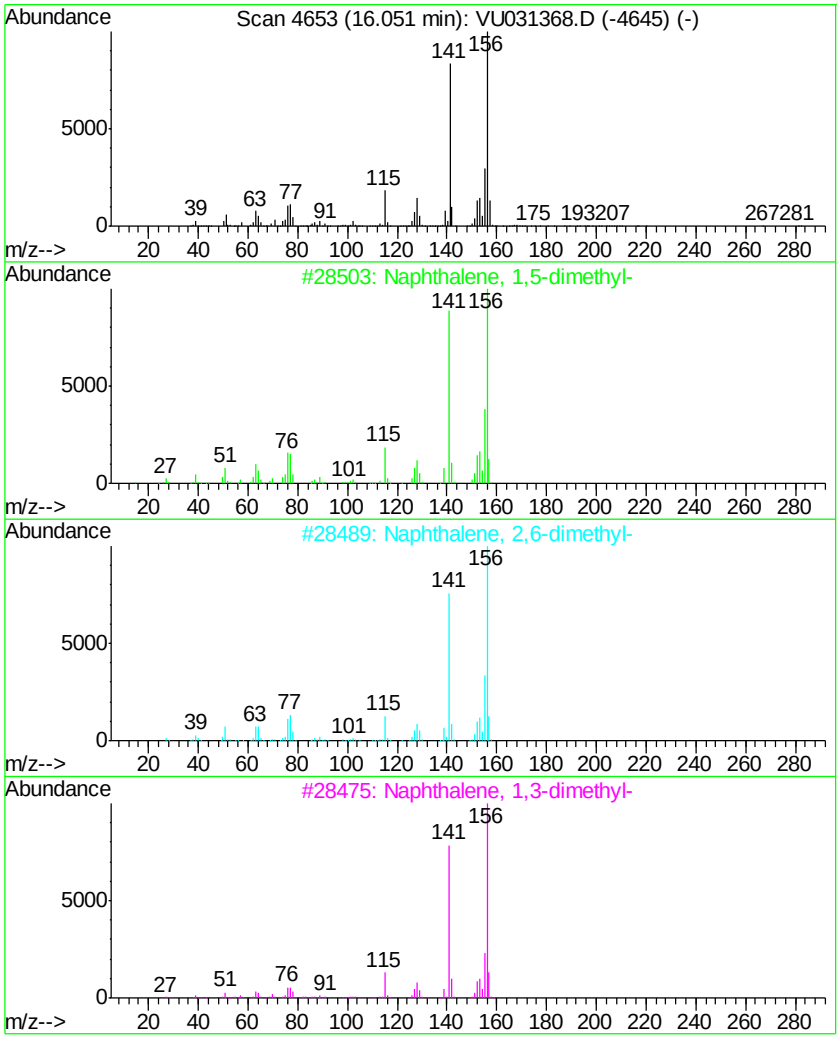
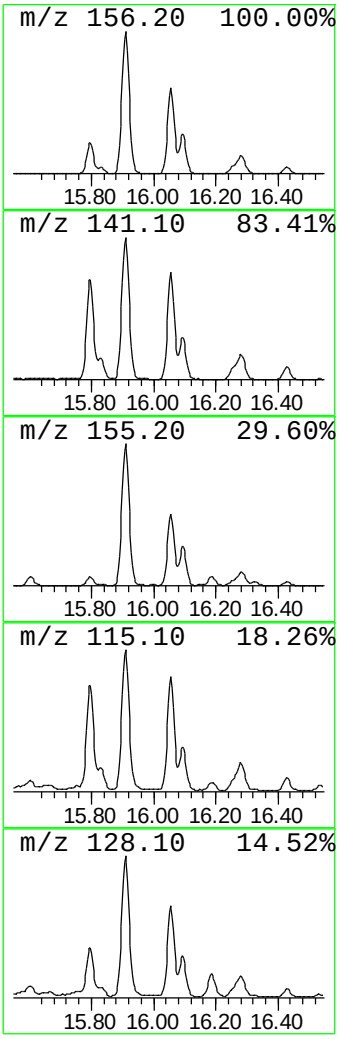
Peak Number 38 Naphthalene, 1,5-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	113.06 ug/L	4618240	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031368.D
Acq On : 19 Apr 2019 18:44
Operator : JC/SP
Sample : K2455-11
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1

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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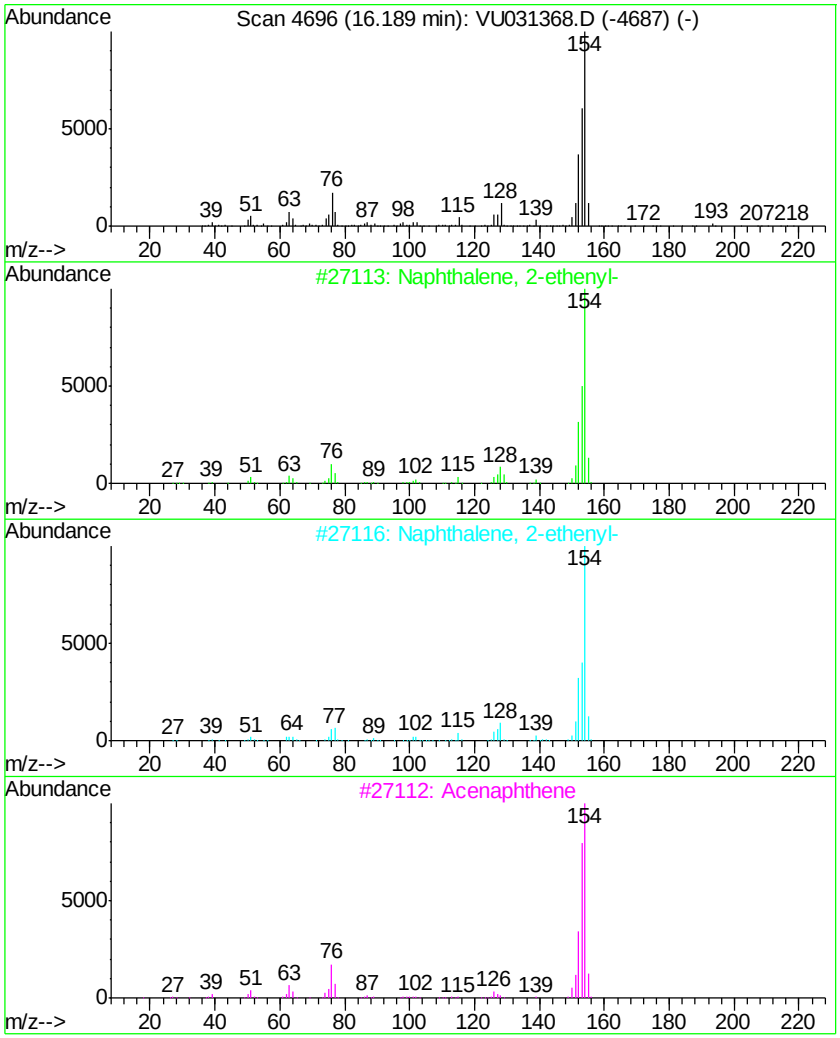
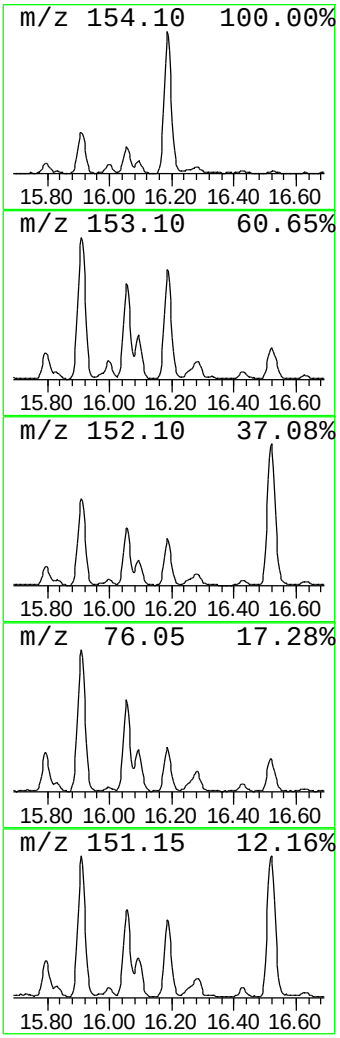
Peak Number 39 Naphthalene, 2-ethenyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.19	28.46 ug/L	1162290	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	94
2	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	93
3	Acenaphthene	154	C12H10	000083-32-9	93
4	Biphenyl	154	C12H10	000092-52-4	93
5	Biphenyl	154	C12H10	000092-52-4	90





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031368.D
Acq On : 19 Apr 2019 18:44
Operator : JC/SP
Sample : K2455-11
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1

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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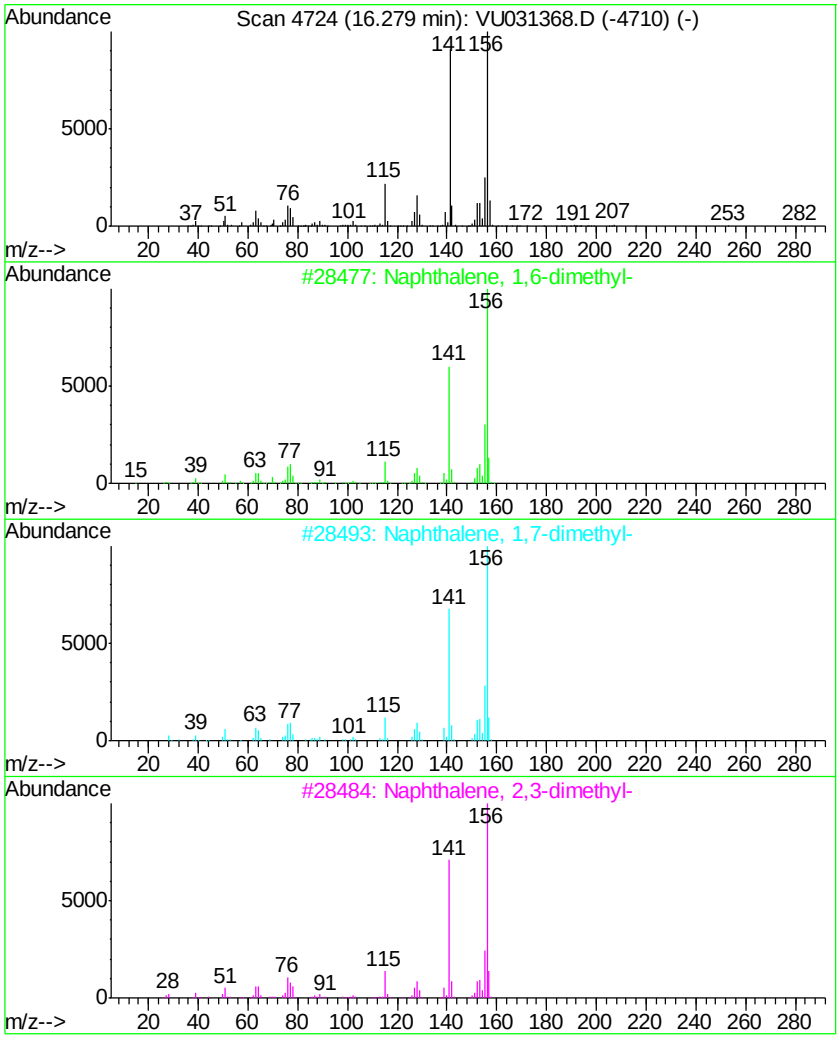
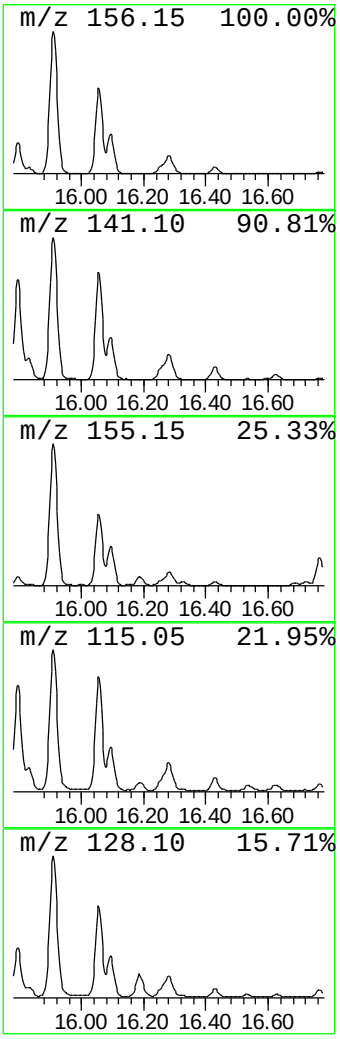
Peak Number 40 Naphthalene, 1,6-dimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.28	33.61 ug/L	1372810	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031368.D
Acq On : 19 Apr 2019 18:44
Operator : JC/SP
Sample : K2455-11
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1

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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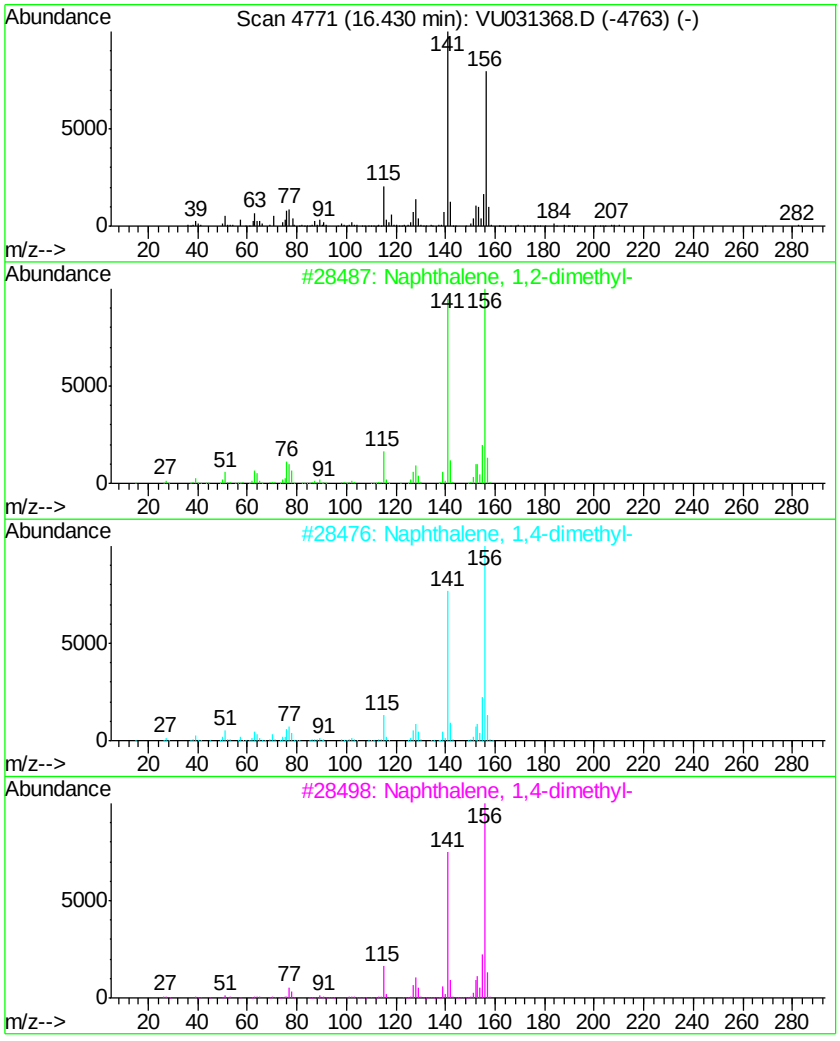
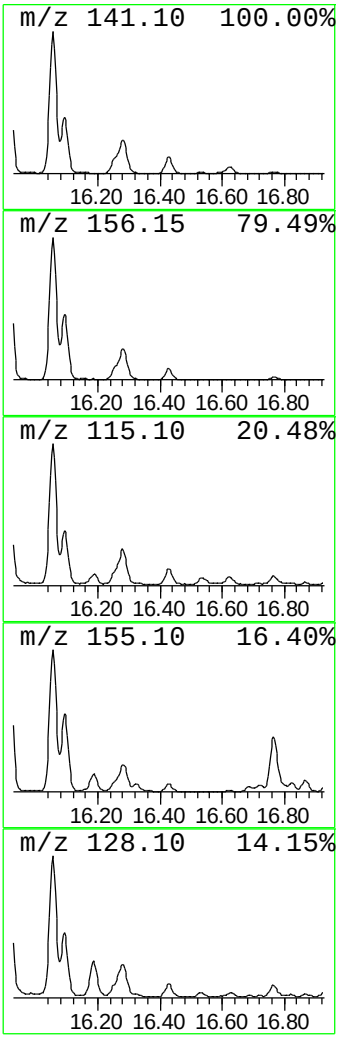
Peak Number 41 Naphthalene, 1,2-dimethyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	9.30 ug/L	379725	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	95
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	94
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	94
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	93
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042019\
Data File : VU031368.D
Acq On : 19 Apr 2019 18:44
Operator : JC/SP
Sample : K2455-11
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1

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, 2-propenyl-	10.51	13.8	ug/L	563905	3	11.49	2042320	50.0
Benzene, propyl-	10.59	21.9	ug/L	892628	3	11.49	2042320	50.0
Benzene, 1-ethyl-...	10.68	270.6	ug/L	11054700	3	11.49	2042320	50.0
Benzene, 1,2,3-tr...	10.77	222.1	ug/L	9073290	3	11.49	2042320	50.0
Benzene, 1-ethyl-...	10.97	71.5	ug/L	2919160	3	11.49	2042320	50.0
Benzene, 1-etheny...	11.22	669.1	ug/L	27328500	3	11.49	2042320	50.0
Benzene, 1-etheny...	11.27	253.6	ug/L	10356400	3	11.49	2042320	50.0
Benzene, 1-propenyl-	11.63	85.5	ug/L	3491790	3	11.49	2042320	50.0
Indane	11.77	147.6	ug/L	6026780	3	11.49	2042320	50.0
Indene	11.98	779.3	ug/L	31830500	3	11.49	2042320	50.0
Benzene, 1-methyl...	12.22	83.9	ug/L	3426800	3	11.49	2042320	50.0
Benzene, 1-etheny...	12.30	124.6	ug/L	5089930	3	11.49	2042320	50.0
Benzene, (2-methy...	12.42	381.7	ug/L	15592700	3	11.49	2042320	50.0
Benzene, 1,2,3,4-...	12.65	104.8	ug/L	4282810	3	11.49	2042320	50.0
Benzene, 1,2,4,5-...	12.70	306.4	ug/L	12514000	3	11.49	2042320	50.0
Benzene, 1-etheny...	12.82	273.0	ug/L	11151300	3	11.49	2042320	50.0
Benzene, 2-etheny...	12.96	81.5	ug/L	3326860	3	11.49	2042320	50.0
(DEL) Alkane: Cyc...	13.08	29.1	ug/L	1189520	3	11.49	2042320	50.0
Benzene, (1-methy...	13.12	420.1	ug/L	17160700	3	11.49	2042320	50.0
2-Methylindene	13.19	775.2	ug/L	31665400	3	11.49	2042320	50.0
Tetracyclo[5.3.0....	13.38	167.8	ug/L	6855310	3	11.49	2042320	50.0
(DEL) Alkane: Str...	14.14	153.8	ug/L	6283160	3	11.49	2042320	50.0
1H-Indene, 1,3-di...	14.34	278.3	ug/L	11368200	3	11.49	2042320	50.0
Naphthalene, 1-me...	14.89	4429.5	ug/L	180931000	3	11.49	2042320	50.0
Naphthalene, 2-et...	15.79	54.1	ug/L	2210800	3	11.49	2042320	50.0
Naphthalene, 2,6-...	15.91	193.4	ug/L	7899760	3	11.49	2042320	50.0
Naphthalene, 1,5-...	16.05	113.1	ug/L	4618240	3	11.49	2042320	50.0
Naphthalene, 2-et...	16.19	28.5	ug/L	1162290	3	11.49	2042320	50.0
Naphthalene, 1,6-...	16.28	33.6	ug/L	1372810	3	11.49	2042320	50.0
Naphthalene, 1,2-...	16.43	9.3	ug/L	379725	3	11.49	2042320	50.0