LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU043019\
Data File : VU031657.D
Acq On : 01 May 2019 01:02
Operator : JC/SP
Sample : K2604-04 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ78

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

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

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.180	24	28	35	rBV	15382	14127	0.02%	0.004%
2	1.395	88	95	108	rBV	400424	457668	0.60%	0.142%
3	1.675	175	182	192	rBV	332620	439587	0.57%	0.136%
4	2.260	354	364	380	rVB	713870	1096344	1.43%	0.340%
5	2.563	453	458	460	rBV4	2253	1808	0.00%	0.001%
6	2.784	524	527	531	rVB2	1703	1105	0.00%	0.000%
7	2.810	531	535	537	rBV4	1683	1564	0.00%	0.000%
8	2.907	560	565	567	rBV3	1287	1027	0.00%	0.000%
9	3.071	613	616	619	rVB	1934	1249	0.00%	0.000%
10	3.154	639	642	647	rBV4	1405	1573	0.00%	0.000%
11	3.235	661	667	669	rBV5	1497	1216	0.00%	0.000%
12	3.379	707	712	716	rBV5	1564	1679	0.00%	0.001%
13	3.418	720	724	729	rVV5	891	1031	0.00%	0.000%
14	3.524	754	757	764	rVB3	1252	1152	0.00%	0.000%
15	3.591	775	778	783	rBV3	1878	1838	0.00%	0.001%
16	3.624	786	788	792	rVV2	1629	980	0.00%	0.000%
17	3.707	808	814	817	rBV4	1700	1499	0.00%	0.000%
18	3.862	858	862	866	rBV4	1114	959	0.00%	0.000%
19	3.964	889	894	902	rVB4	1784	2643	0.00%	0.001%
20	4.003	902	906	910	rBV3	2027	2323	0.00%	0.001%
21	4.193	950	965	1019	rBV2	221270	970517	1.26%	0.301%
22	4.643	1084	1105	1129	rBV	499620	1235683	1.61%	0.383%
23	4.778	1144	1147	1150	rBV3	1217	1017	0.00%	0.000%
24	4.842	1164	1167	1170	rBV3	1882	1220	0.00%	0.000%
25	4.868	1170	1175	1178	rBV5	2282	2513	0.00%	0.001%
26	4.977	1204	1209	1210	rBV4	2390	2120	0.00%	0.001%
27	5.209	1276	1281	1285	rBV5	1539	1654	0.00%	0.001%
28	5.334	1297	1320	1354	rBV2	1073451	3218311	4.19%	0.999%
29	5.550	1385	1387	1395	rVB6	3458	2817	0.00%	0.001%
30	5.881	1477	1490	1525	rBV	983061	2092099	2.72%	0.649%
31	6.186	1574	1585	1597	rBV6	18606	40206	0.05%	0.012%
32	6.328	1615	1629	1660	rBV	702842	1487605	1.94%	0.462%
33	6.521	1686	1689	1691	rBV3	1792	1006	0.00%	0.000%
34	6.640	1723	1726	1731	rVB4	1426	1111	0.00%	0.000%

LSC Area Percent Report

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Acq On : 01 May 2019 01:02
Operator : JC/SP
Sample : K2604-04 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ78

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

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

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

35	6.668	1731	1735	1739	rBV7	1218	1155	0.00%	0.000%
36	6.749	1755	1760	1763	rBV4	2155	1880	0.00%	0.001%
37	6.826	1781	1784	1789	rBV4	1725	1122	0.00%	0.000%
38	6.926	1811	1815	1822	rVB4	1918	1998	0.00%	0.001%
39	7.029	1843	1847	1851	rVB3	1186	964	0.00%	0.000%
40	7.125	1874	1877	1880	rBV3	1641	1216	0.00%	0.000%
41	7.225	1897	1908	1937	rBV	337970	668146	0.87%	0.207%
42	7.562	2000	2013	2048	rBV	1210167	2286888	2.98%	0.710%
43	7.852	2091	2103	2128	rBV	226162	450746	0.59%	0.140%
44	7.980	2141	2143	2148	rVB4	1640	1071	0.00%	0.000%
45	8.077	2168	2173	2177	rVB5	2286	1996	0.00%	0.001%
46	8.099	2177	2180	2182	rBV3	1450	964	0.00%	0.000%
47	8.228	2213	2220	2229	rVV9	3847	6626	0.01%	0.002%
48	8.321	2237	2249	2289	rBV	979516	2059035	2.68%	0.639%
49	8.594	2331	2334	2337	rBV4	2633	2087	0.00%	0.001%
50	8.697	2361	2366	2368	rBV4	1981	1738	0.00%	0.001%
51	8.813	2396	2402	2403	rBV3	1411	1575	0.00%	0.000%
52	8.974	2448	2452	2454	rBV3	1826	1697	0.00%	0.001%
53	9.086	2474	2487	2514	rBV	1465336	2602242	3.39%	0.808%
54	9.247	2535	2537	2541	rBV4	2373	1595	0.00%	0.000%
55	9.376	2562	2577	2592	rBV	78888	153401	0.20%	0.048%
56	9.778	2693	2702	2724	rBV4	117878	246406	0.32%	0.076%
57	9.913	2740	2744	2746	rBV5	4444	4175	0.01%	0.001%
58	9.948	2750	2755	2764	rVB5	20966	30992	0.04%	0.010%
59	10.430	2894	2905	2917	rBV	935874	1523119	1.98%	0.473%
60	10.678	2973	2982	2997	rBV	271185	565783	0.74%	0.176%
61	10.768	3000	3010	3019	rBV	661211	1029533	1.34%	0.319%
62	10.967	3064	3072	3092	rVB	206224	403483	0.53%	0.125%
63	11.144	3110	3127	3139	rBV	1750311	2793229	3.64%	0.867%
64	11.215	3140	3149	3157	rVV	790696	1207789	1.57%	0.375%
65	11.263	3158	3164	3176	rVB	240031	353034	0.46%	0.110%
66	11.479	3222	3231	3243	rBV	1540840	2427815	3.16%	0.753%
67	11.569	3250	3259	3268	rBV	962547	1414398	1.84%	0.439%
68	11.765	3311	3320	3328	rBV3	346034	673437	0.88%	0.209%
69	11.861	3340	3350	3366	rVB3	1687307	3314103	4.32%	1.028%
70	11.977	3377	3386	3393	rBV	1262288	1998058	2.60%	0.620%
71	12.019	3394	3399	3407	rVB2	678447	906320	1.18%	0.281%

LSC Area Percent Report

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Operator : JC/SP
Sample : K2604-04 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ78

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

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

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

72	12.144	3431	3438	3441	rBV	295306	396551	0.52%	0.123%
73	12.225	3456	3463	3464	rBV2	291426	332505	0.43%	0.103%
74	12.353	3498	3503	3515	rBV4	286741	471436	0.61%	0.146%
75	12.421	3518	3524	3535	rVB	1094111	1664217	2.17%	0.516%
76	12.643	3588	3593	3602	rVB2	851142	1223239	1.59%	0.380%
77	12.697	3602	3610	3631	rBV2	1513760	3407715	4.44%	1.057%
78	12.819	3642	3648	3660	rVB4	764712	1229144	1.60%	0.381%
79	12.958	3686	3691	3706	rVB2	541052	797796	1.04%	0.248%
80	13.118	3733	3741	3751	rBV2	4745910	7048452	9.18%	2.187%
81	13.179	3754	3760	3772	rVB	1991808	3004866	3.91%	0.932%
82	13.286	3782	3793	3811	rBV2	5048022	9386219	12.22%	2.913%
83	13.736	3923	3933	3943	rBV	13245033	20668448	26.92%	6.414%
84	14.138	4050	4058	4066	rBV	5173370	7179041	9.35%	2.228%
85	14.334	4112	4119	4129	rBV5	1689183	2653284	3.46%	0.823%
86	14.877	4276	4288	4302	rVB2	48377407	76787492	100.00%	23.829%
87	15.060	4333	4345	4361	rBV	29712250	52089315	67.84%	16.164%
88	15.658	4525	4531	4541	rVB3	1223522	1844704	2.40%	0.572%
89	15.794	4566	4573	4580	rBV	3258109	4574474	5.96%	1.420%
90	15.909	4598	4609	4622	rBV	16272379	27433799	35.73%	8.513%
91	16.057	4645	4655	4661	rBV	15279193	23695750	30.86%	7.353%
92	16.093	4662	4666	4684	rVB	8233788	11176254	14.55%	3.468%
93	16.183	4687	4694	4706	rVB	1609476	2668109	3.47%	0.828%
94	16.279	4708	4724	4747	rVB	4142691	10748864	14.00%	3.336%
95	16.424	4762	4769	4781	rVB	1855860	2778677	3.62%	0.862%
96	16.517	4789	4798	4817	rVB	3644495	5947278	7.75%	1.846%
97	16.732	4858	4865	4870	rBV	960690	1445716	1.88%	0.449%
98	17.015	4947	4953	4978	rVB3	733568	1848470	2.41%	0.574%
99	17.160	4992	4998	5008	rVB2	490868	753772	0.98%	0.234%
100	17.221	5011	5017	5043	rVB3	423046	765185	1.00%	0.237%

Sum of corrected areas: 322249839

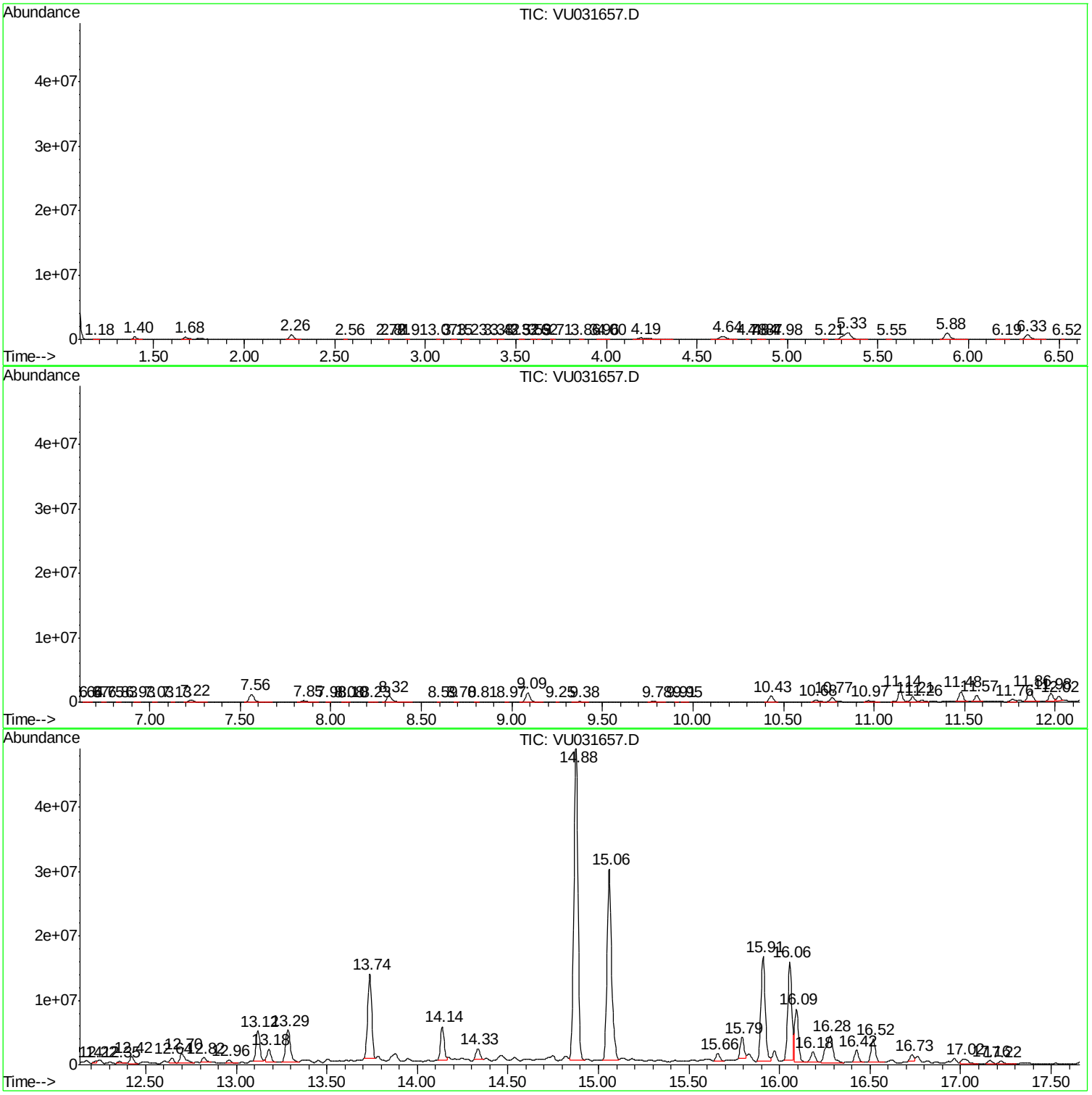
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU043019\
Data File : VU031657.D
Acq On : 01 May 2019 01:02
Operator : JC/SP
Sample : K2604-04 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ78

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

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031657.D
Acq On : 01 May 2019 01:02
Operator : JC/SP
Sample : K2604-04 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ78

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

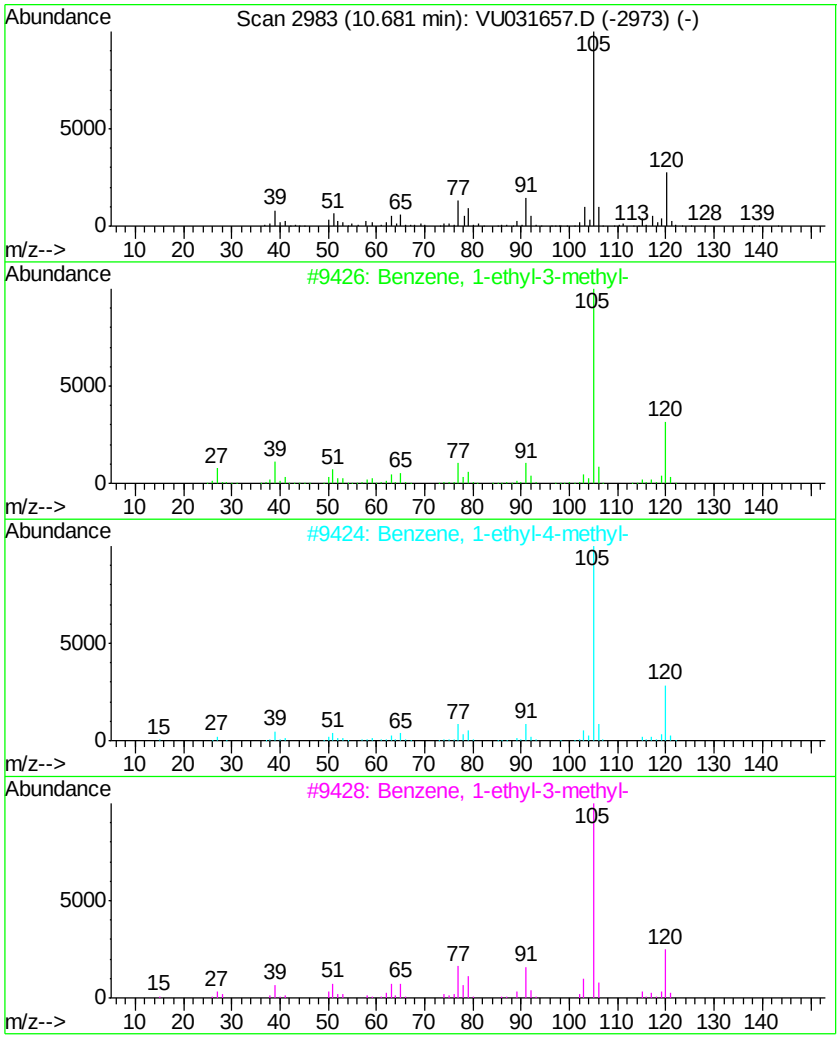
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

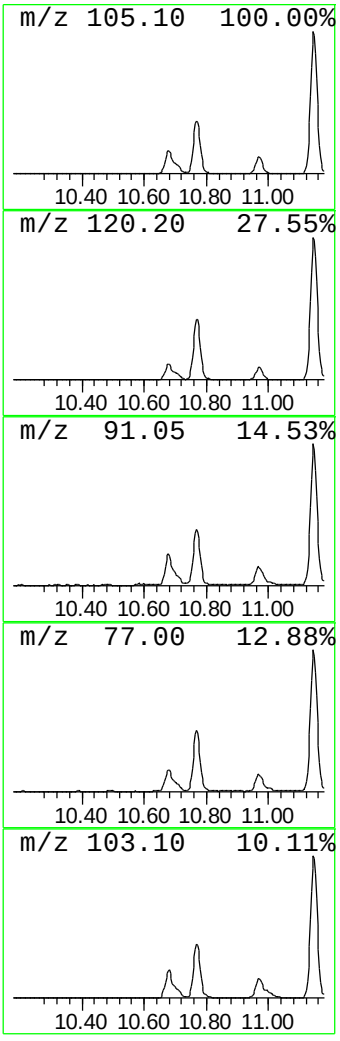
****

Peak Number 2 Benzene, 1-ethyl-3-methyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	11.65 ug/L	565783	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031657.D
Acq On : 01 May 2019 01:02
Operator : JC/SP
Sample : K2604-04 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ78

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

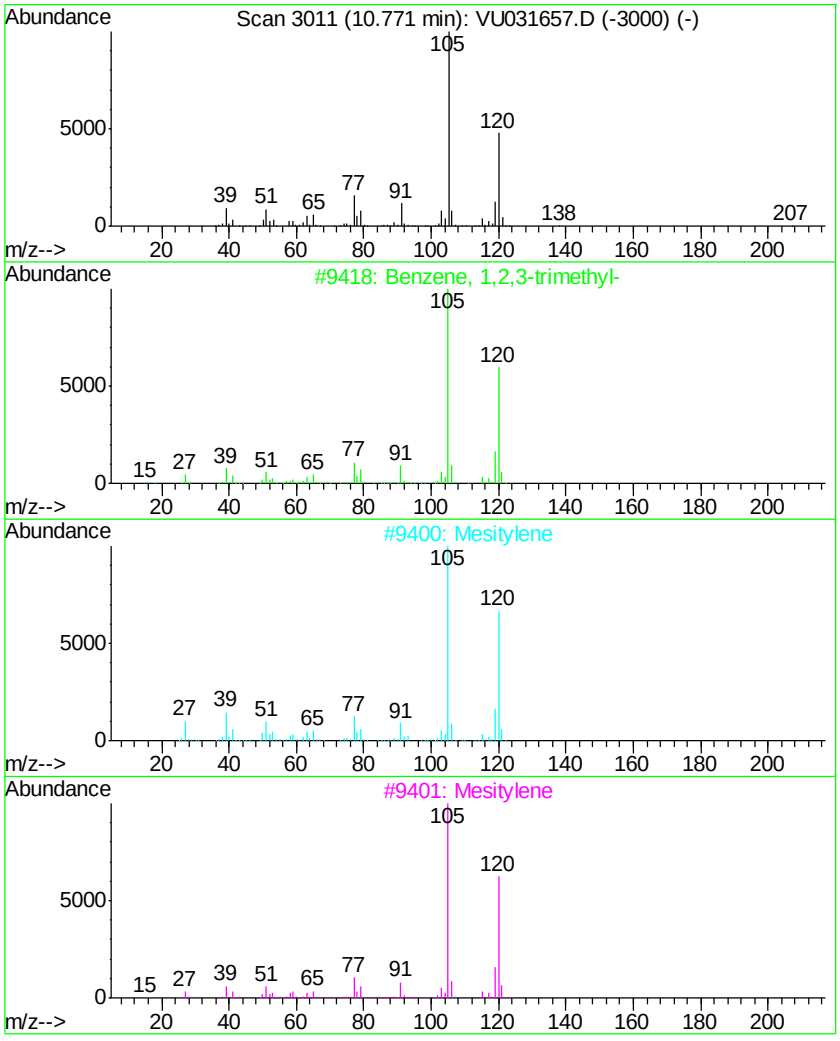
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

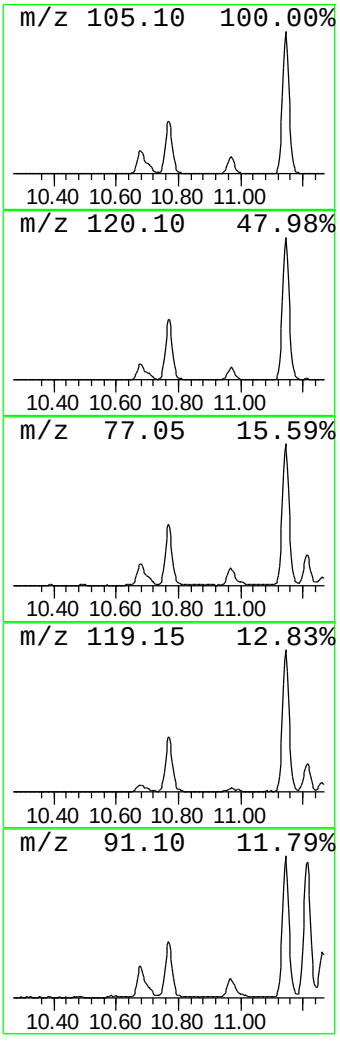
****

Peak Number 3 Benzene, 1,2,3-trimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	21.20 ug/L	1029530	1,4-Dichlorobenzene-d4	11.48

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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031657.D
Acq On : 01 May 2019 01:02
Operator : JC/SP
Sample : K2604-04 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ78

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

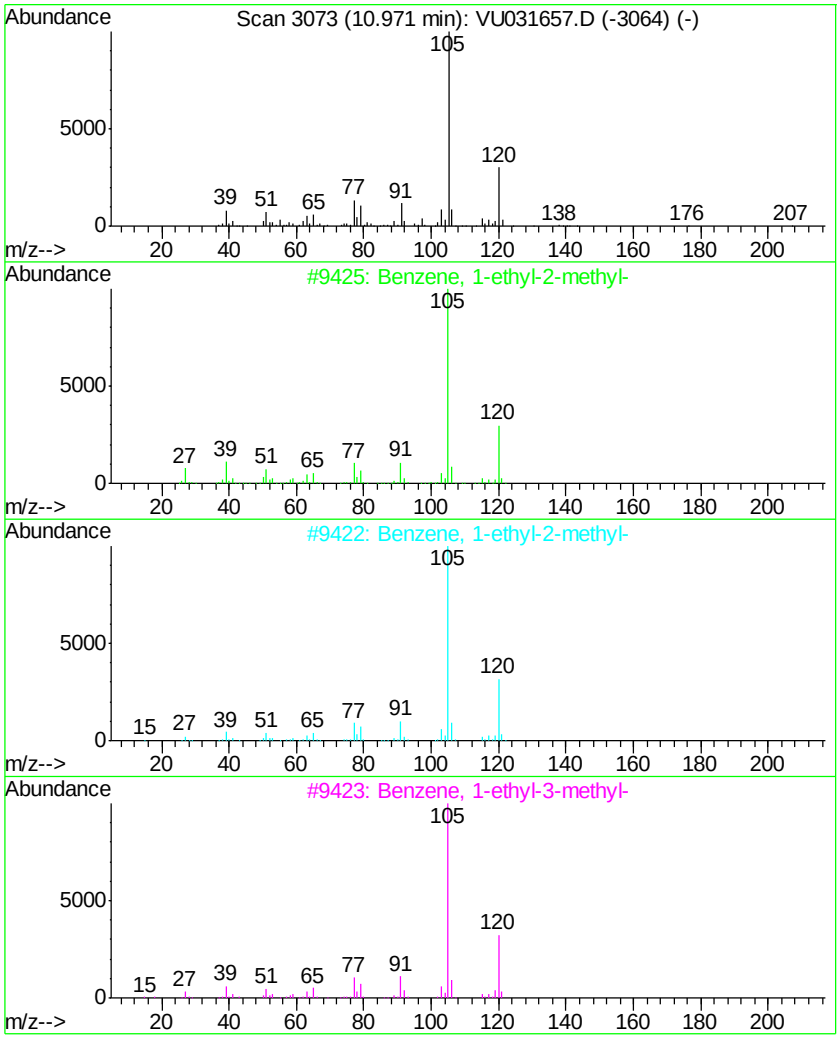
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

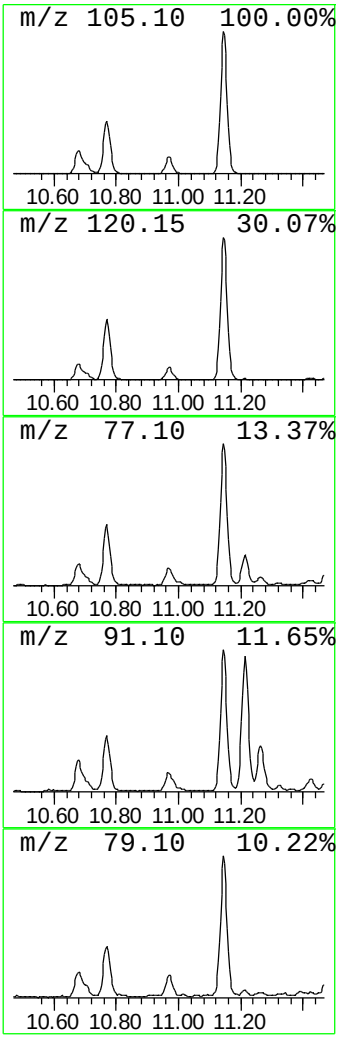
****

Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	8.31 ug/L	403483	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031657.D
Acq On : 01 May 2019 01:02
Operator : JC/SP
Sample : K2604-04 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ78

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

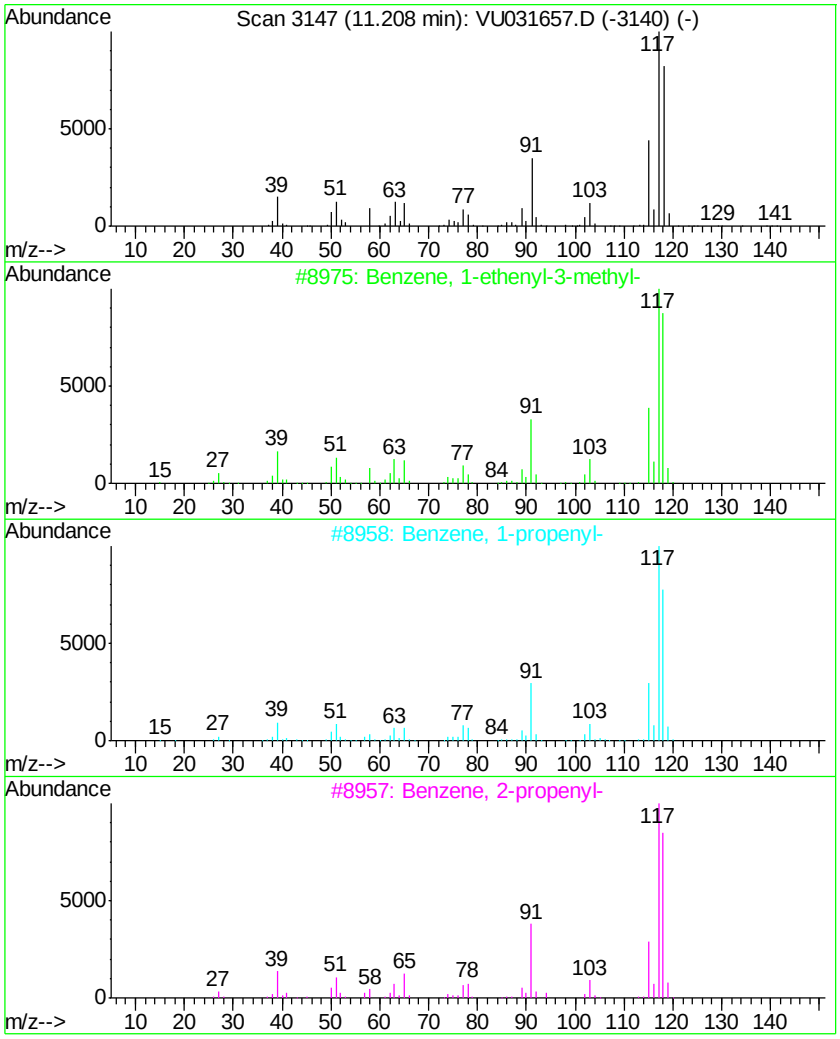
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

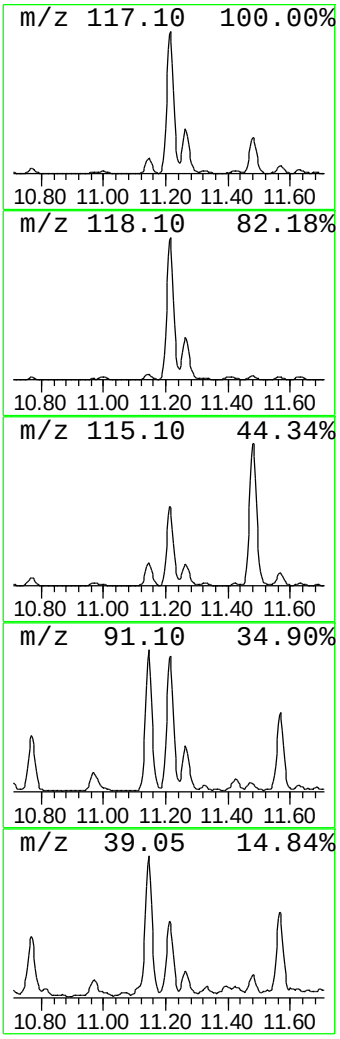
****

Peak Number 6 Benzene, 1-ethenyl-3-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	24.87 ug/L	1207790	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-propenyl-	118	C9H10	000637-50-3	95
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031657.D
Acq On : 01 May 2019 01:02
Operator : JC/SP
Sample : K2604-04 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ78

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

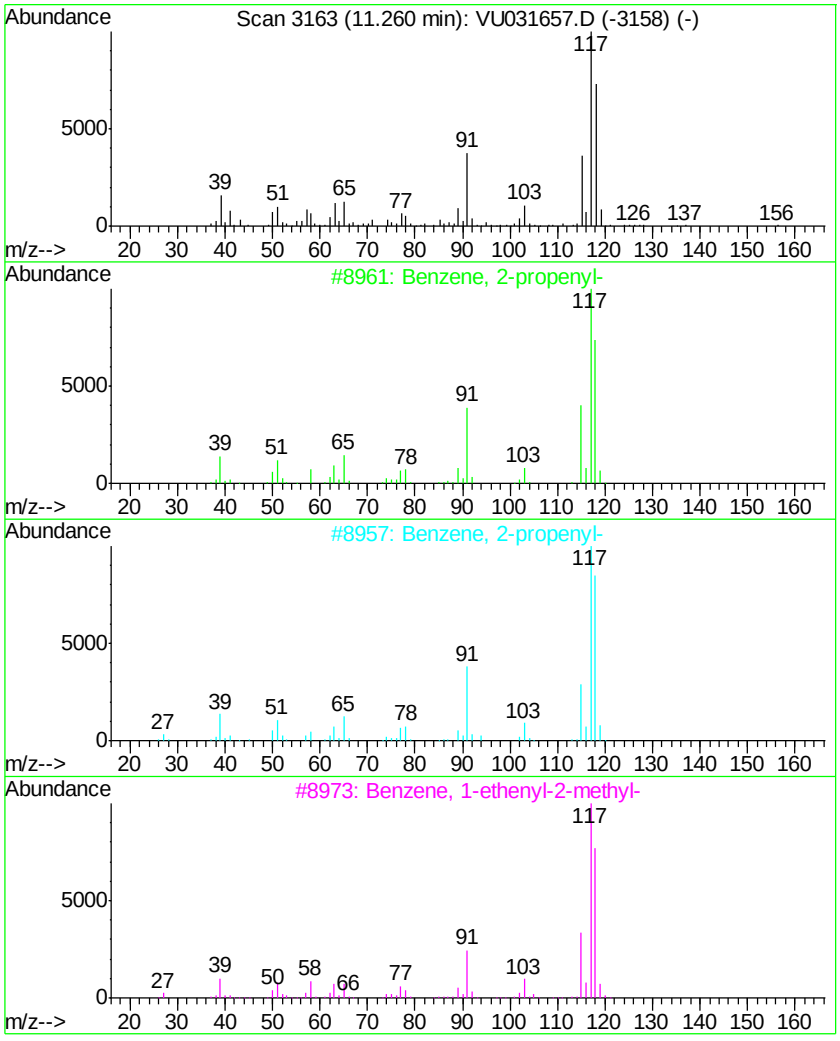
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

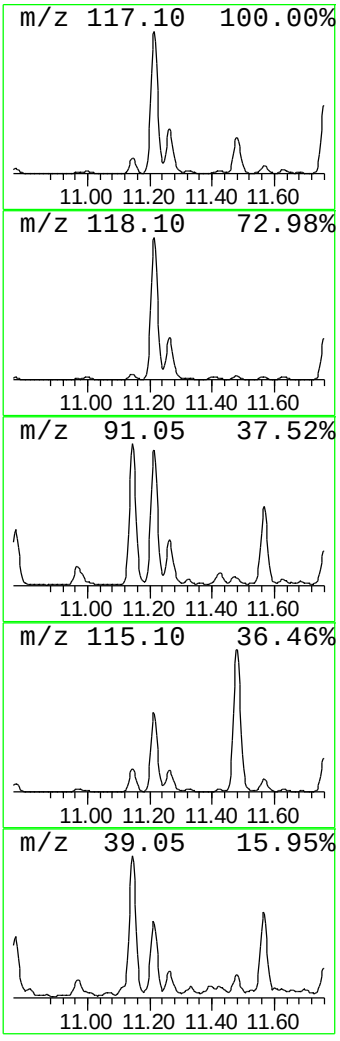
****

Peak Number 7 Benzene, 2-propenyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	7.27 ug/L	353034	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	95
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	94
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	93
4	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	92
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031657.D
Acq On : 01 May 2019 01:02
Operator : JC/SP
Sample : K2604-04 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ78

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

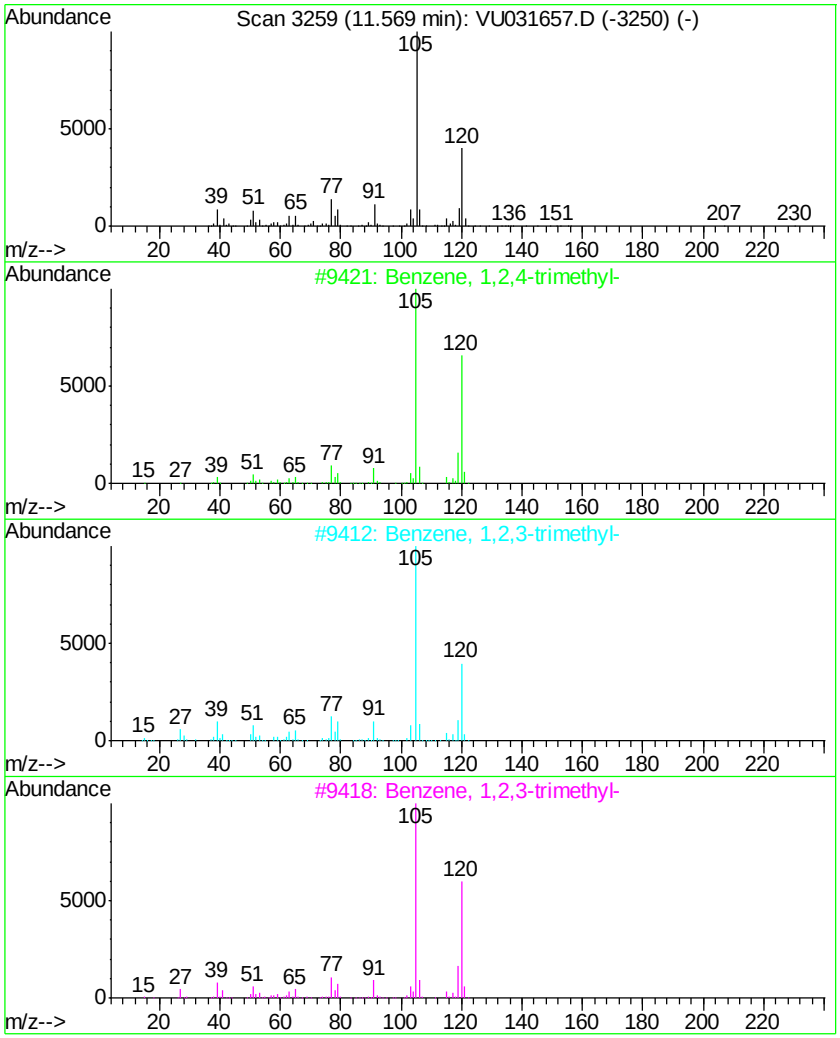
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

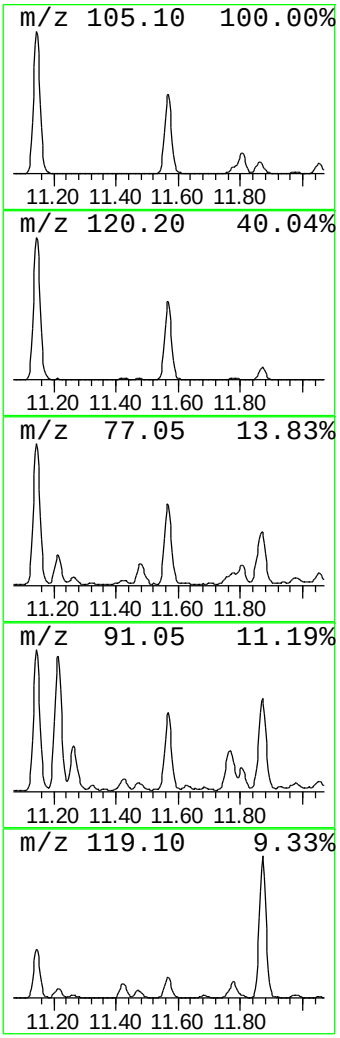
****

Peak Number 8 Benzene, 1,2,4-trimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	29.13 ug/L	1414400	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031657.D
Acq On : 01 May 2019 01:02
Operator : JC/SP
Sample : K2604-04 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ78

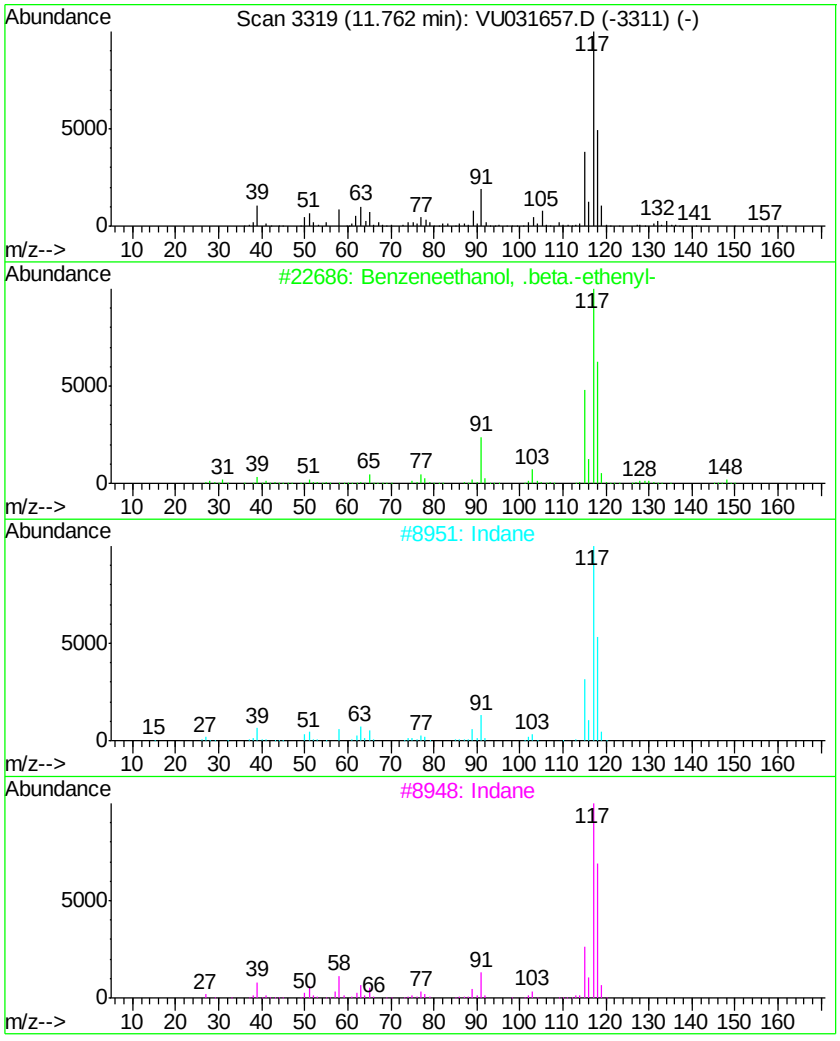
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

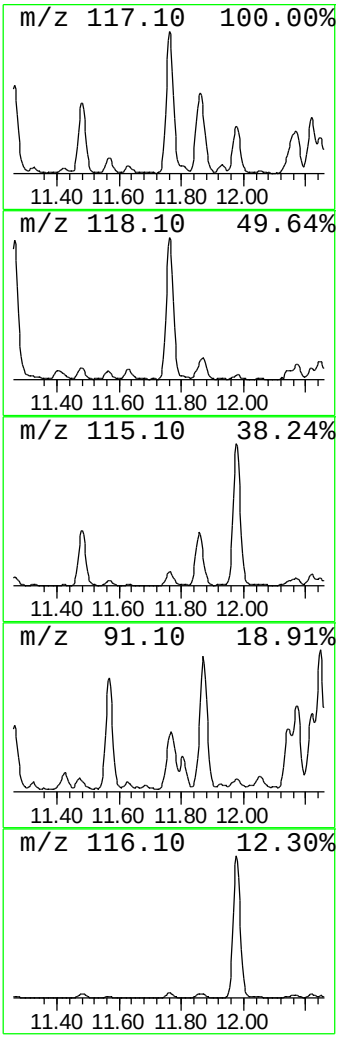
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzeneethanol, .beta.-ethe... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	13.87 ug/L	673437	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneethanol, .beta.-ethenyl-	148	C10H12O	006052-63-7	72
2	Indane	118	C9H10	000496-11-7	70
3	Indane	118	C9H10	000496-11-7	64
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	58
5	Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031657.D
Acq On : 01 May 2019 01:02
Operator : JC/SP
Sample : K2604-04 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ78

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

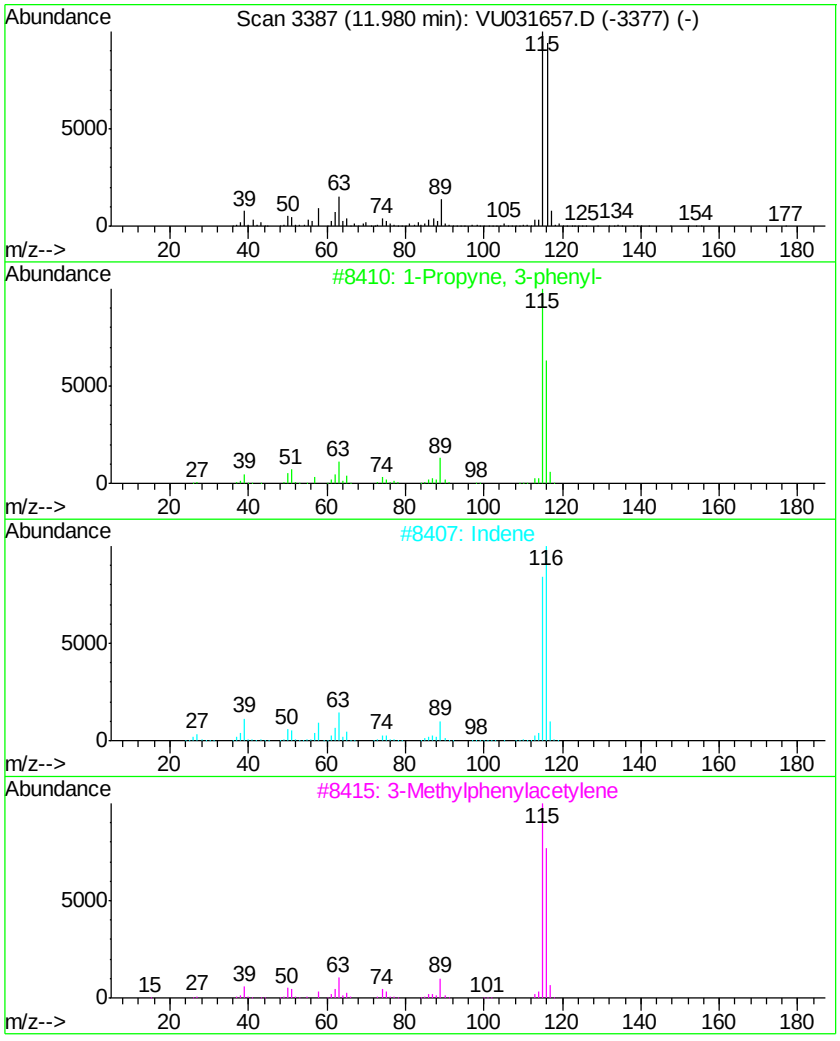
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

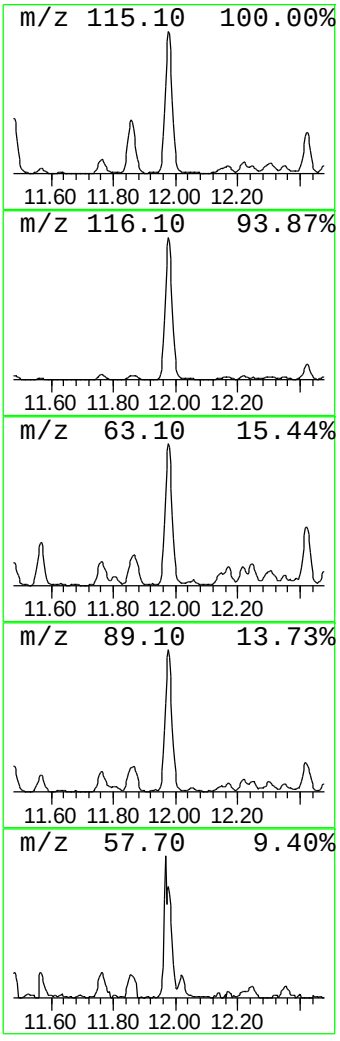
****

Peak Number 10 1-Propyne, 3-phenyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	41.15 ug/L	1998060	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	95
2	Indene	116	C9H8	000095-13-6	94
3	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
4	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	90
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031657.D
Acq On : 01 May 2019 01:02
Operator : JC/SP
Sample : K2604-04 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ78

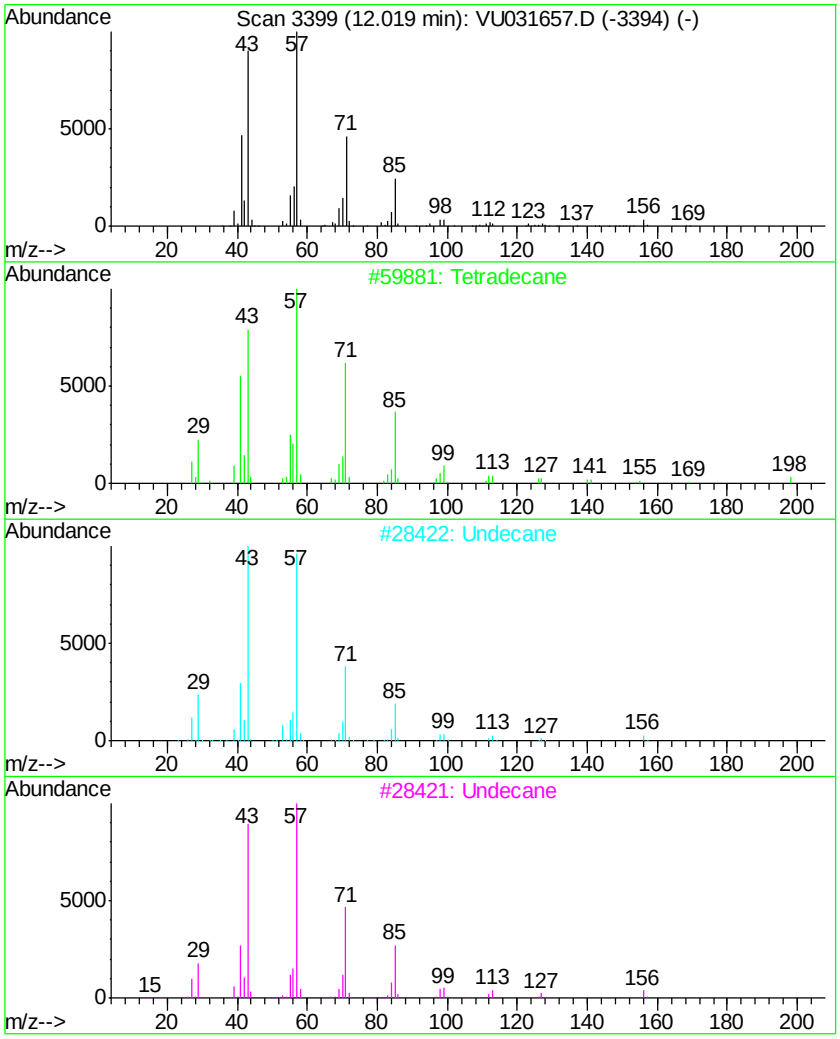
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

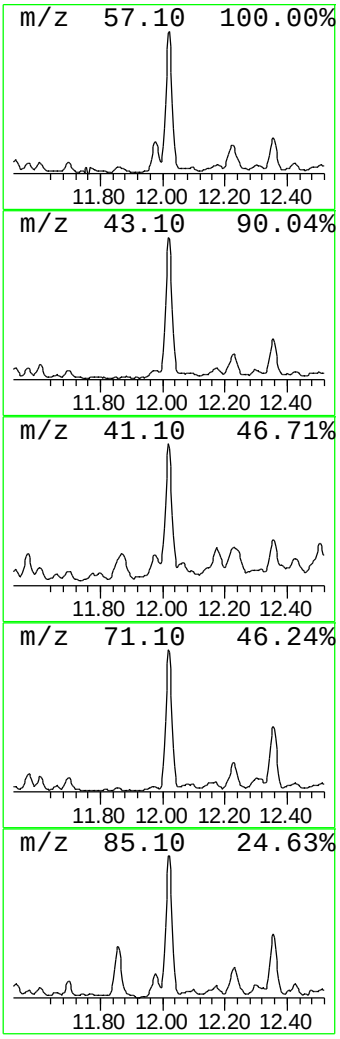
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	18.67 ug/L	906320	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	90
2	Undecane	156	C11H24	001120-21-4	87
3	Undecane	156	C11H24	001120-21-4	64
4	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	64
5	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031657.D
Acq On : 01 May 2019 01:02
Operator : JC/SP
Sample : K2604-04 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ78

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

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

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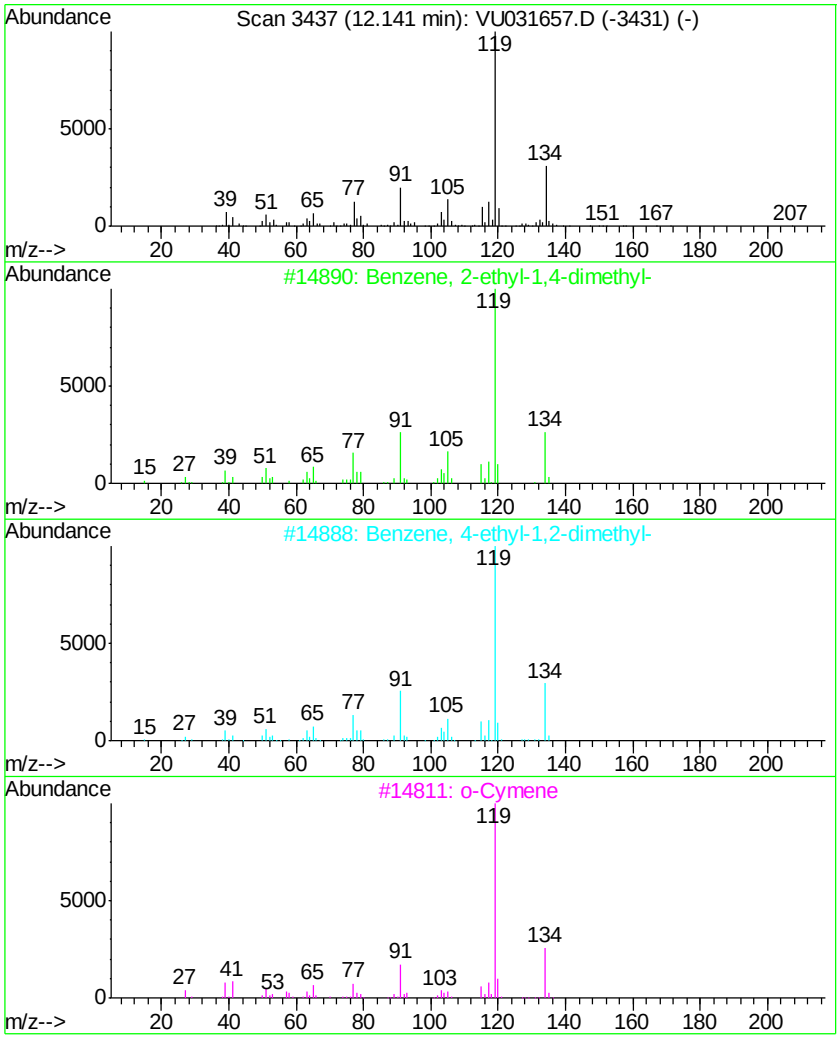
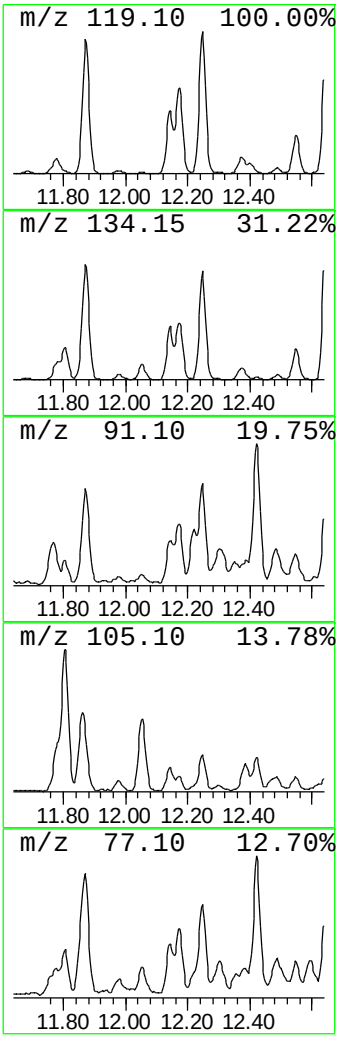
Peak Number 12 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	8.17 ug/L	396551	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5	p-Cymene	134	C10H14	000099-87-6	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031657.D
Acq On : 01 May 2019 01:02
Operator : JC/SP
Sample : K2604-04 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ78

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

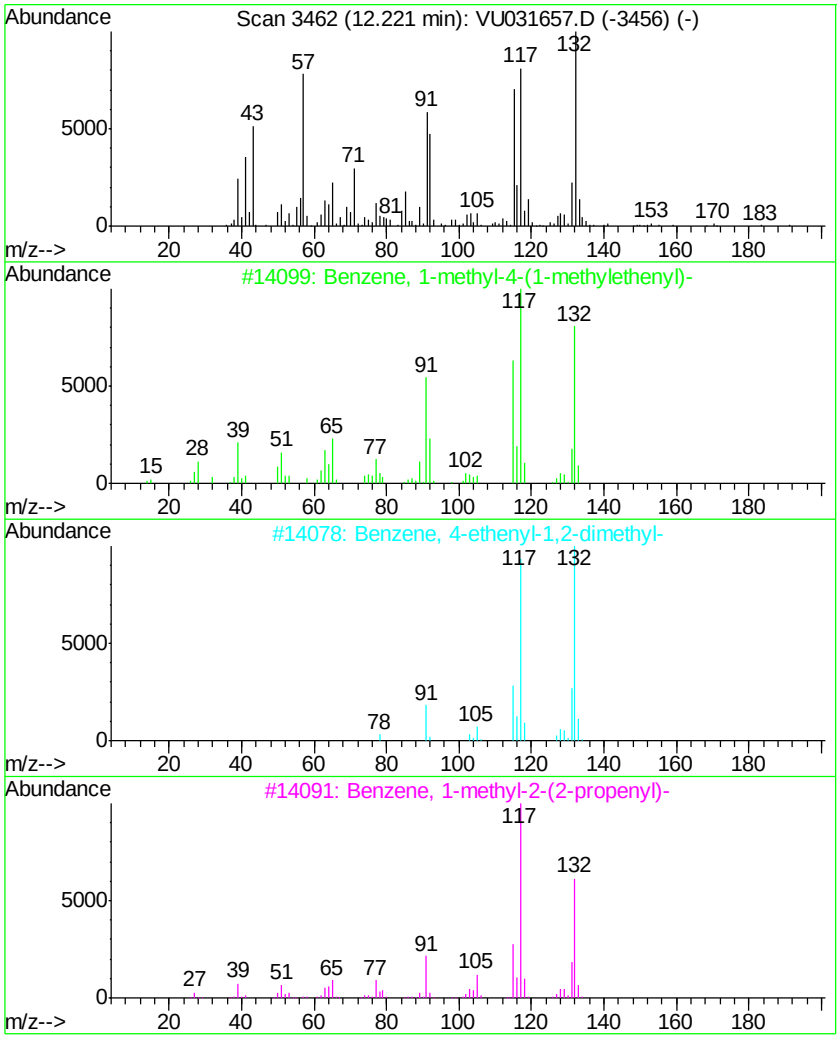
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

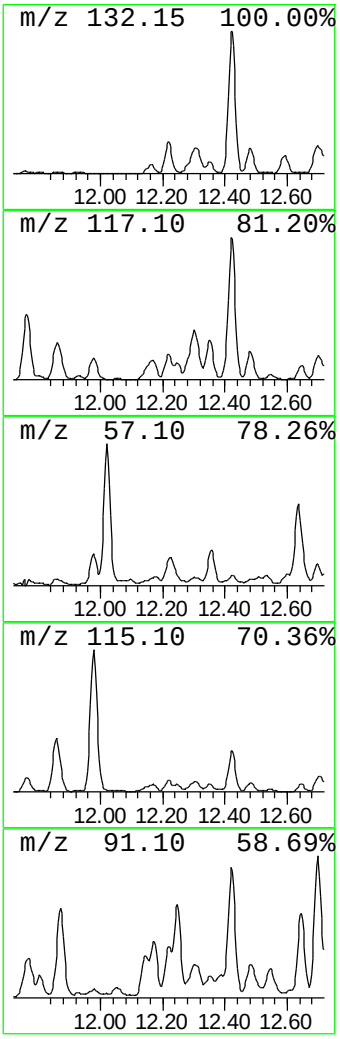
****

Peak Number 13 Benzene, 1-methyl-4-(1-meth... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	6.85 ug/L	332505	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	92
2	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	78
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	64
4	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	60
5	o-Isopropenyltoluene	132	C10H12	007399-49-7	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031657.D
Acq On : 01 May 2019 01:02
Operator : JC/SP
Sample : K2604-04 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ78

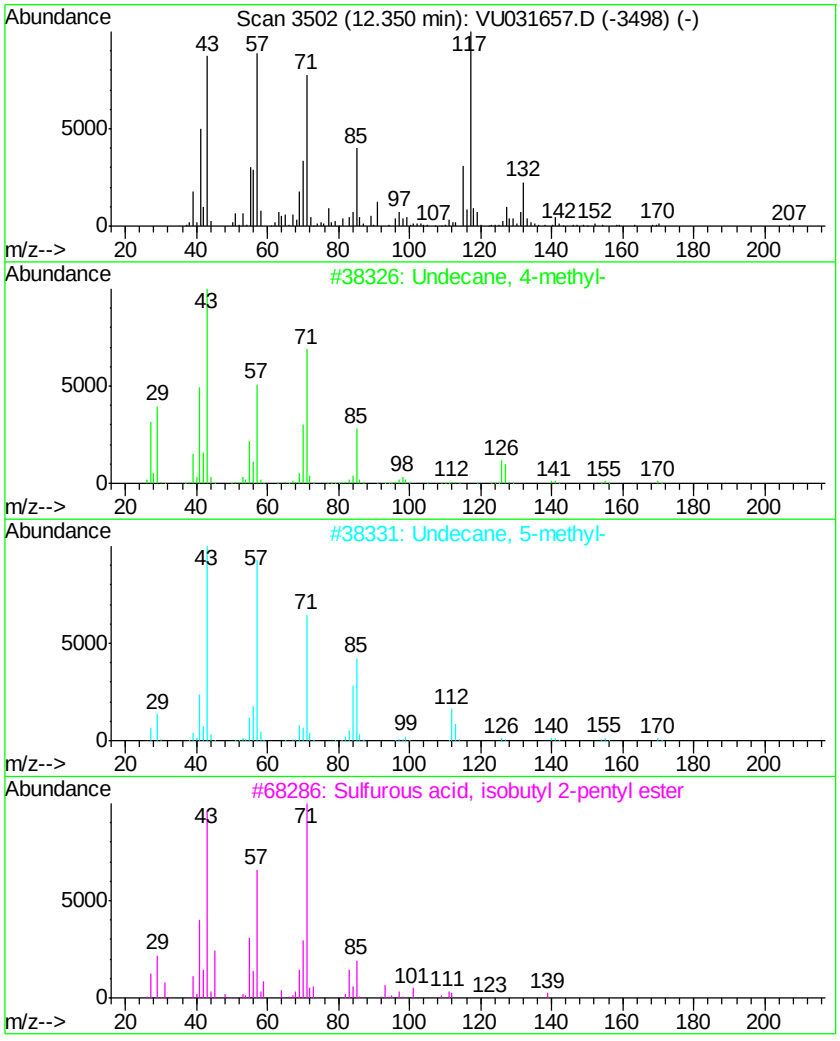
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

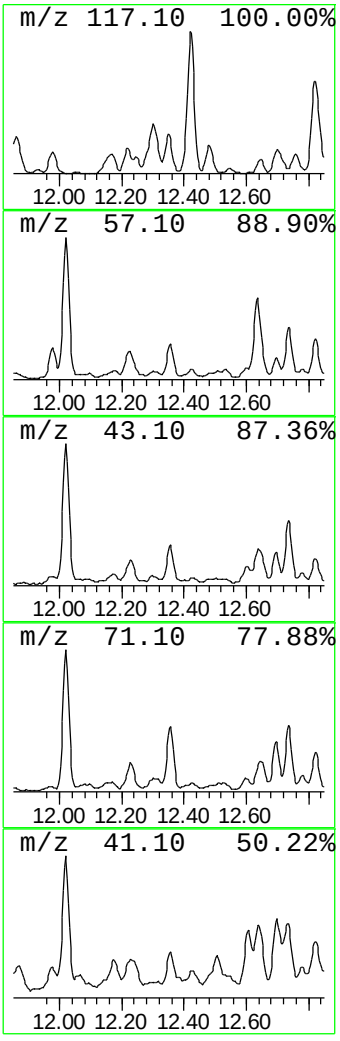
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	9.71 ug/L	471436	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 4-methyl-	170	C12H26	002980-69-0	43
2	Undecane, 5-methyl-	170	C12H26	001632-70-8	38
3	Sulfurous acid, isobutyl 2-pentyl...	208	C9H20O3S	1000309-15-2	35
4	1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	35
5	Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031657.D
Acq On : 01 May 2019 01:02
Operator : JC/SP
Sample : K2604-04 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ78

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

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

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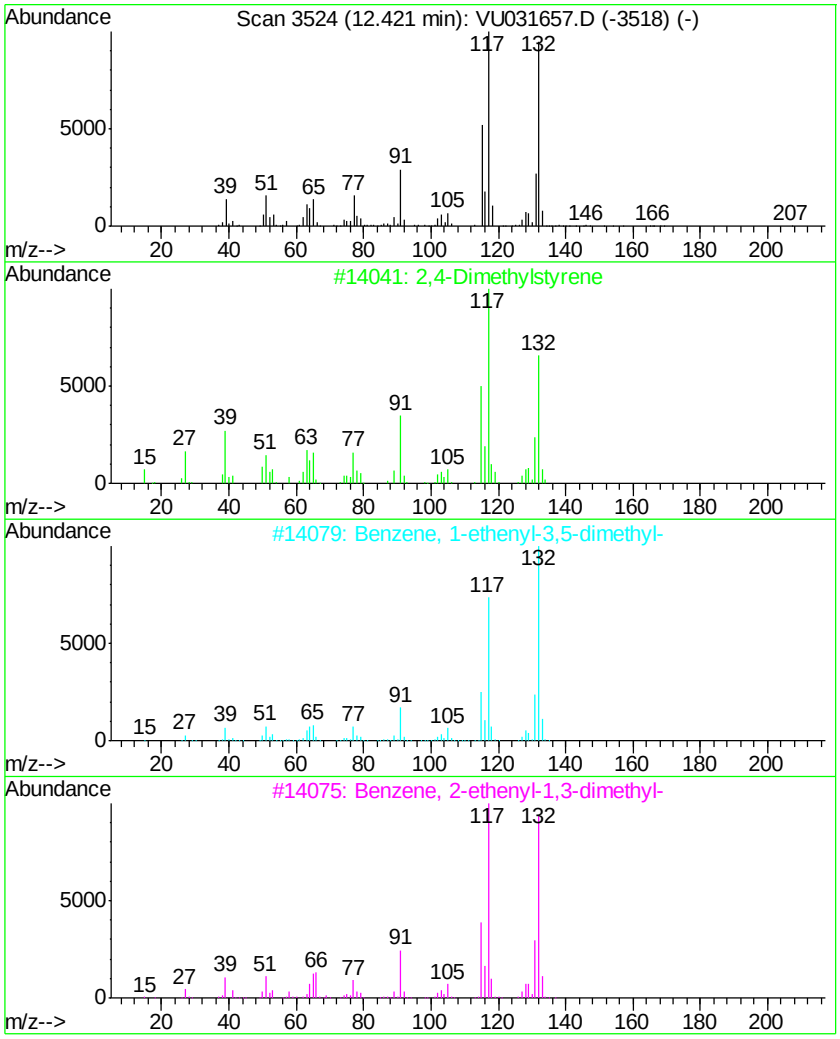
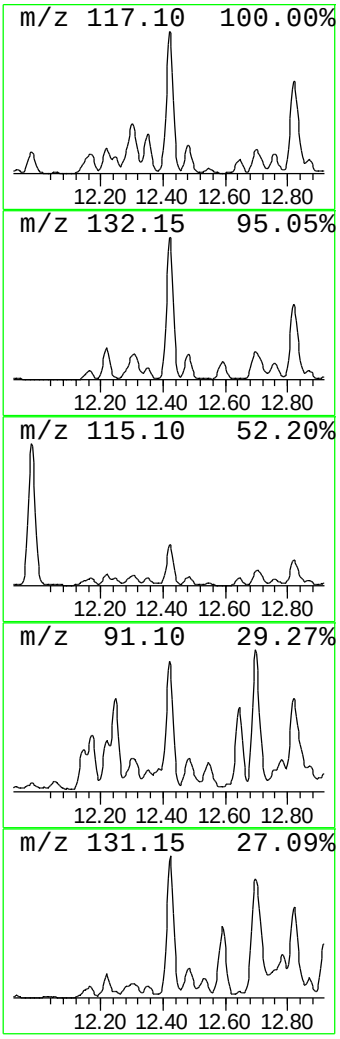
Peak Number 15 2,4-Dimethylstyrene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	34.27 ug/L	1664220	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethylstyrene	132	C10H12	002234-20-0	94
2	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	94
3	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	93
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	93
5	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031657.D
Acq On : 01 May 2019 01:02
Operator : JC/SP
Sample : K2604-04 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ78

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

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

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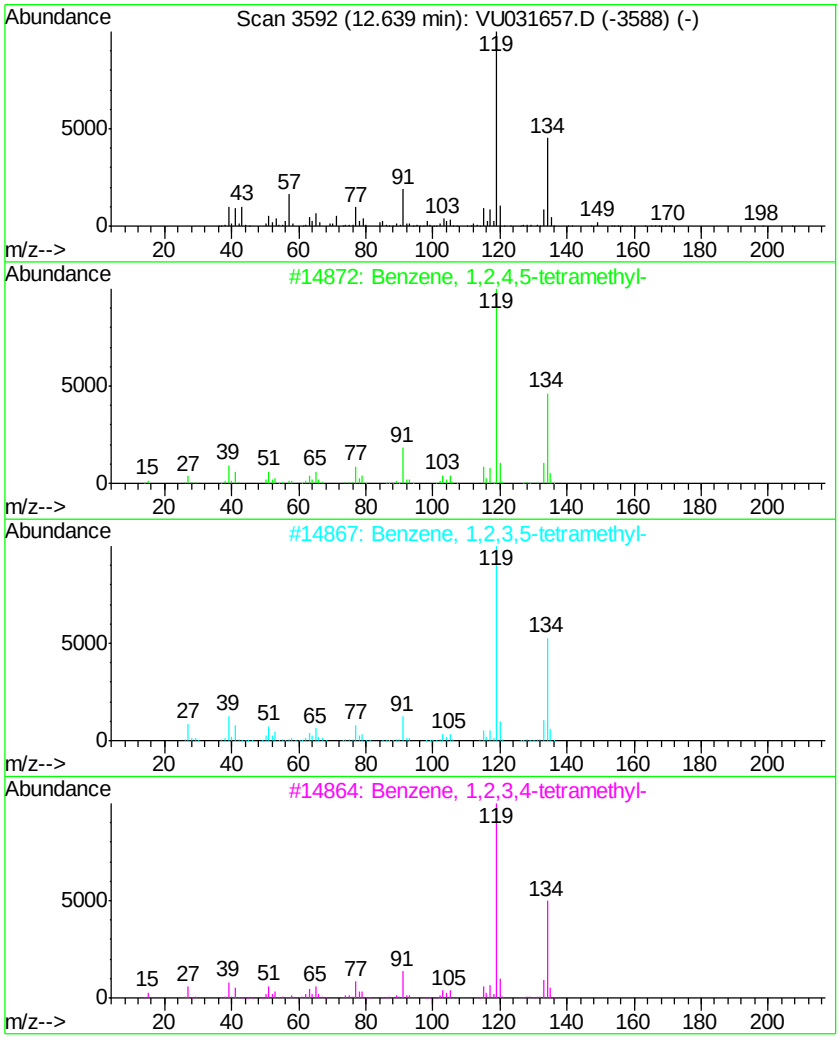
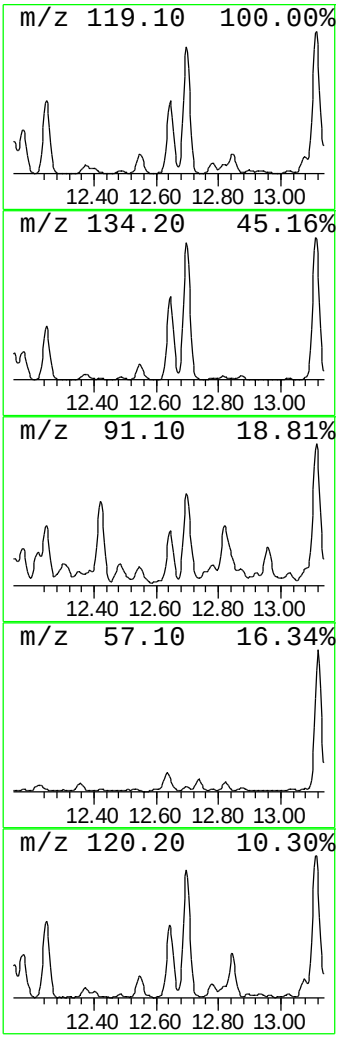
Peak Number 16 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	25.19 ug/L	1223240	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	96
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031657.D
Acq On : 01 May 2019 01:02
Operator : JC/SP
Sample : K2604-04 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ78

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

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

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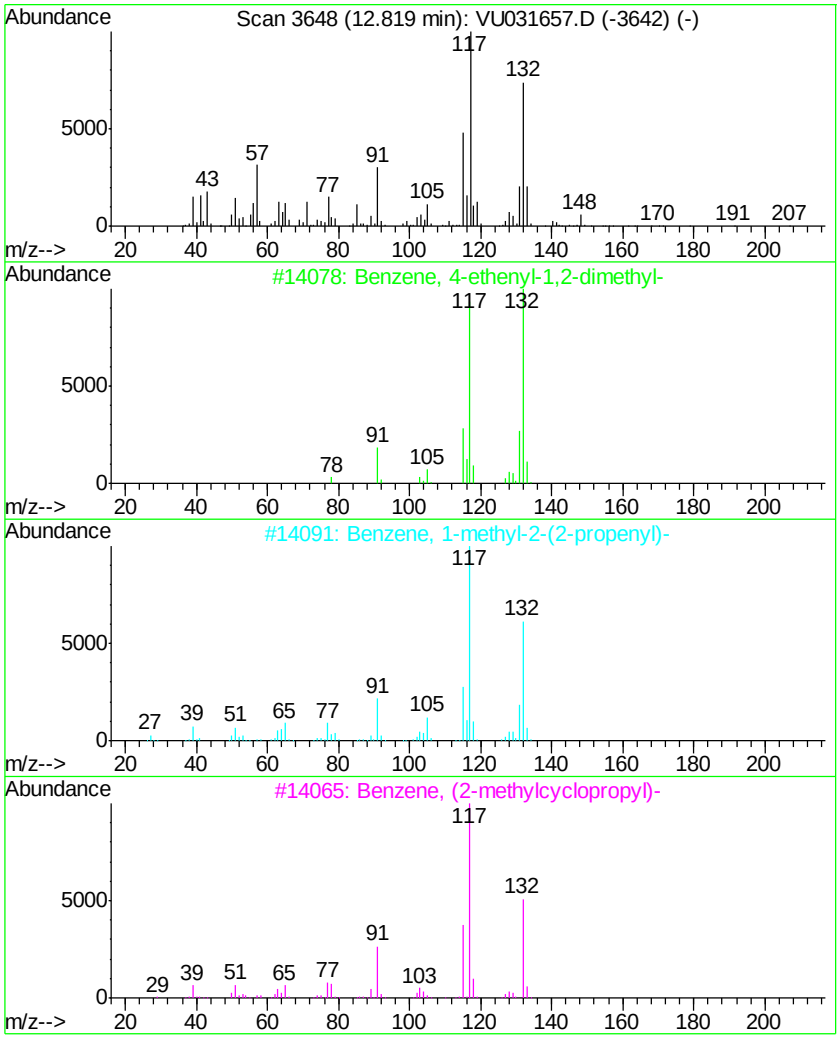
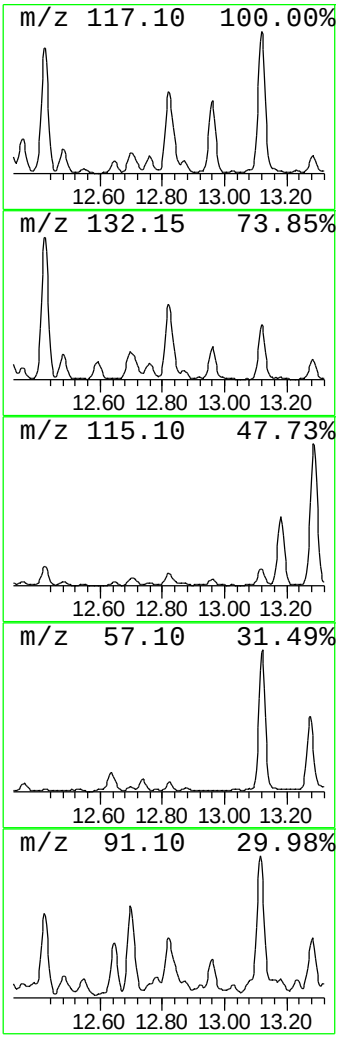
Peak Number 18 Benzene, 4-ethenyl-1,2-dime... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.82	25.31 ug/L	1229140	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	94
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	93
3	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	93
4	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	91
5	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031657.D
Acq On : 01 May 2019 01:02
Operator : JC/SP
Sample : K2604-04 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ78

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

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

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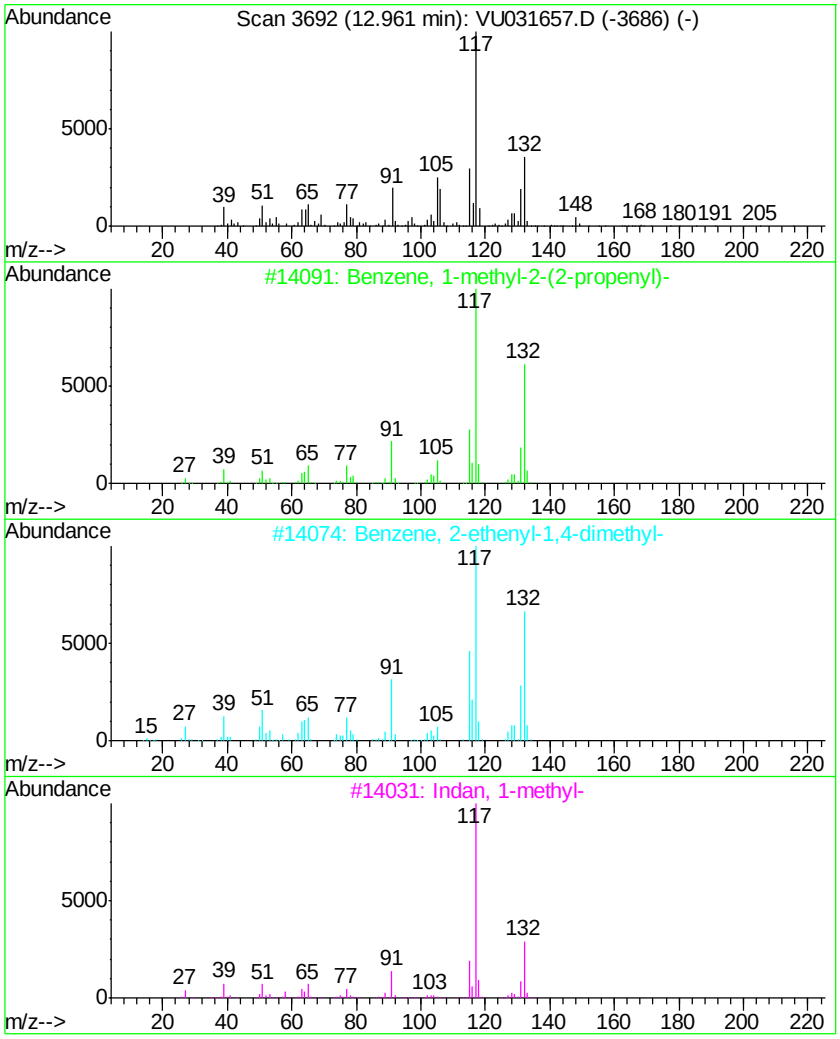
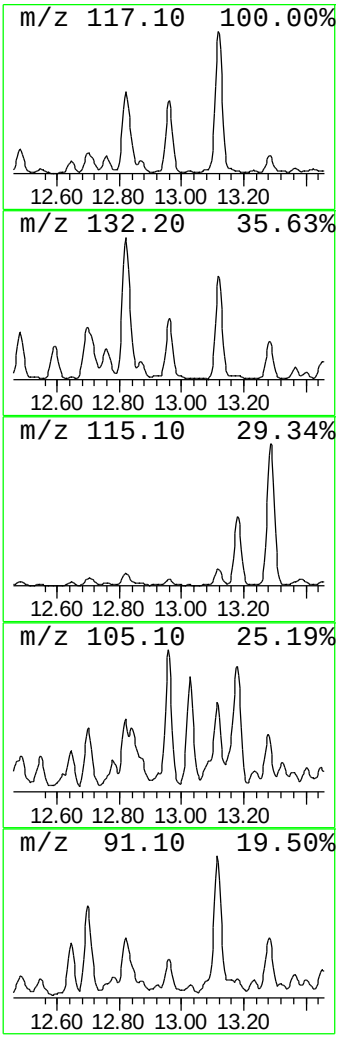
Peak Number 19 Benzene, 1-methyl-2-(2-prop... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	16.43 ug/L	797796	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	81
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	70
3	Indan, 1-methyl-	132	C10H12	000767-58-8	70
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	70
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	68





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031657.D
Acq On : 01 May 2019 01:02
Operator : JC/SP
Sample : K2604-04 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ78

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

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

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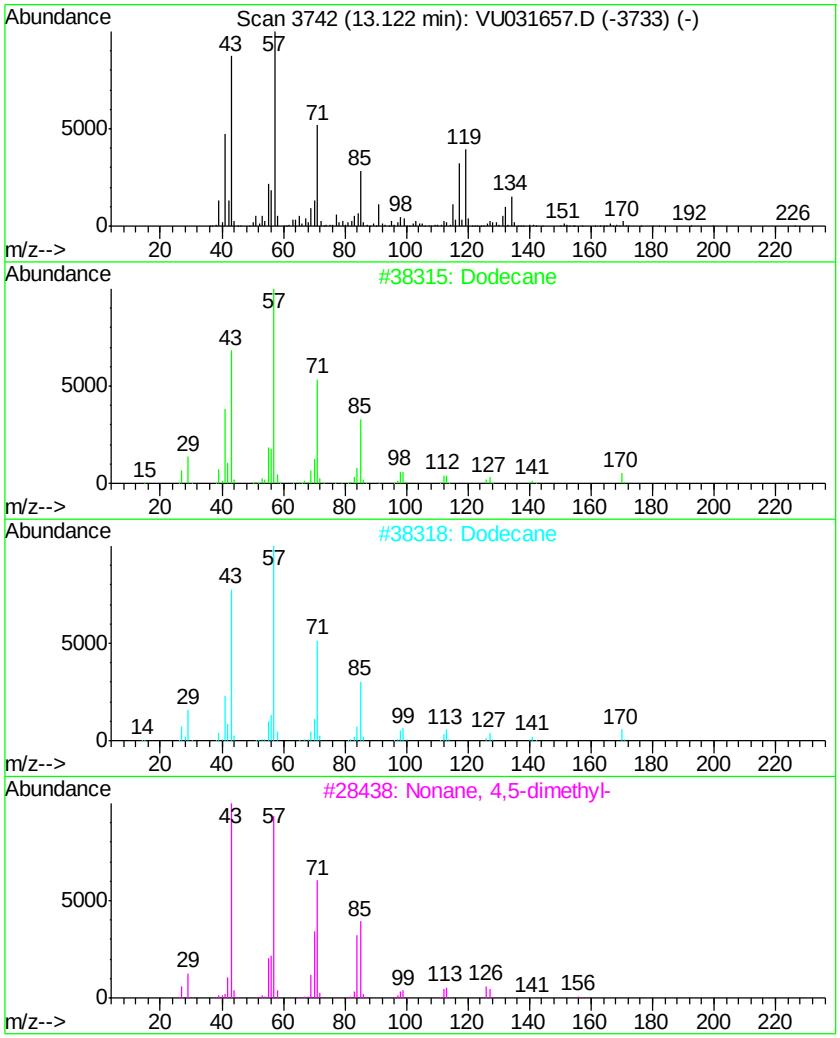
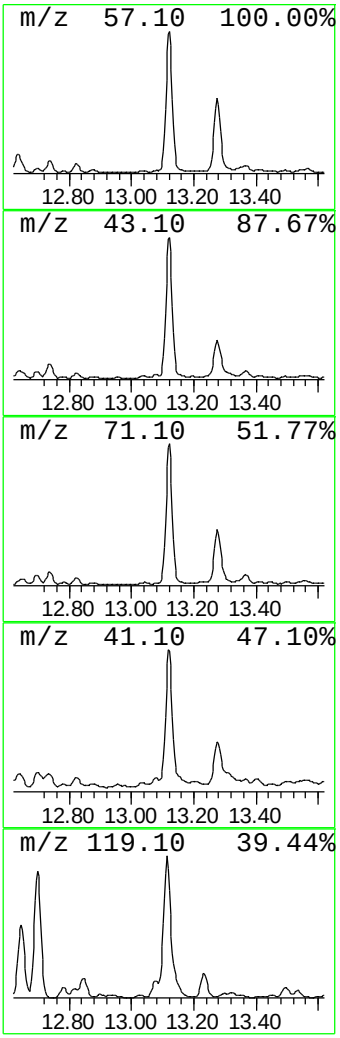
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	145.16 ug/L	7048450	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	52
2	Dodecane	170	C12H26	000112-40-3	46
3	Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	42
4	2,6-Dimethyldecane	170	C12H26	013150-81-7	30
5	Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	30





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031657.D
Acq On : 01 May 2019 01:02
Operator : JC/SP
Sample : K2604-04 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ78

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

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

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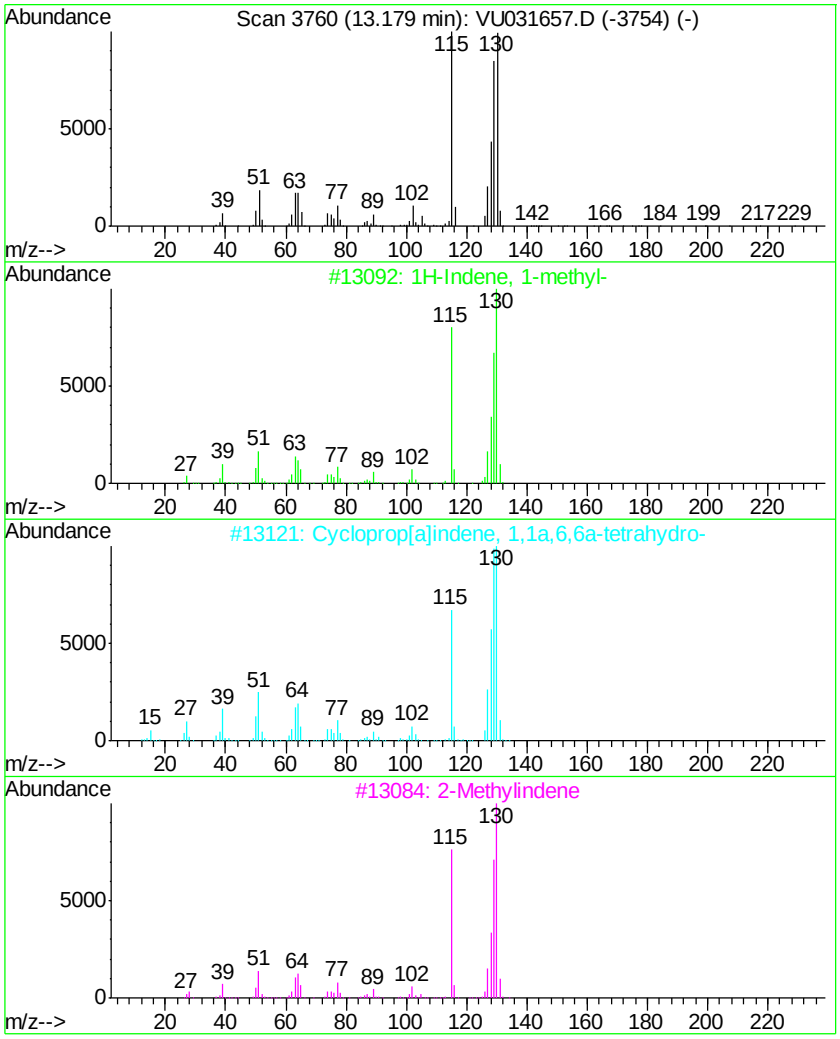
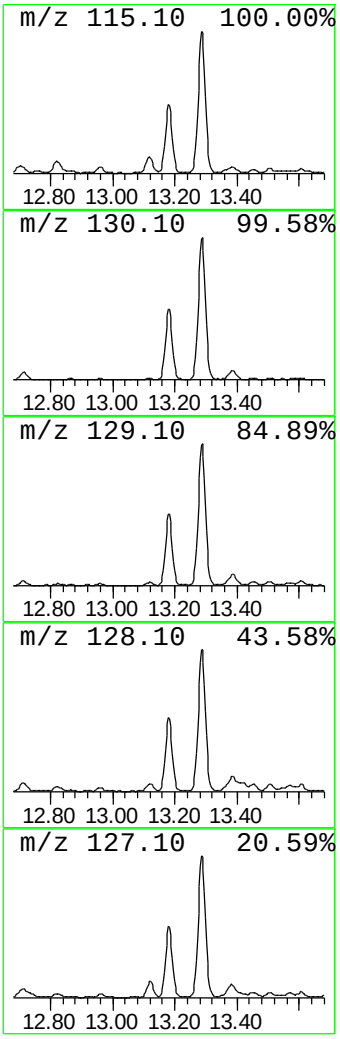
Peak Number 21 1H-Indene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	61.88 ug/L	3004870	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	95
2	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	95
3	2-Methylindene	130	C10H10	002177-47-1	93
4	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	91
5	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	90





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Data File : VU031657.D
Acq On : 01 May 2019 01:02
Operator : JC/SP
Sample : K2604-04 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ78

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

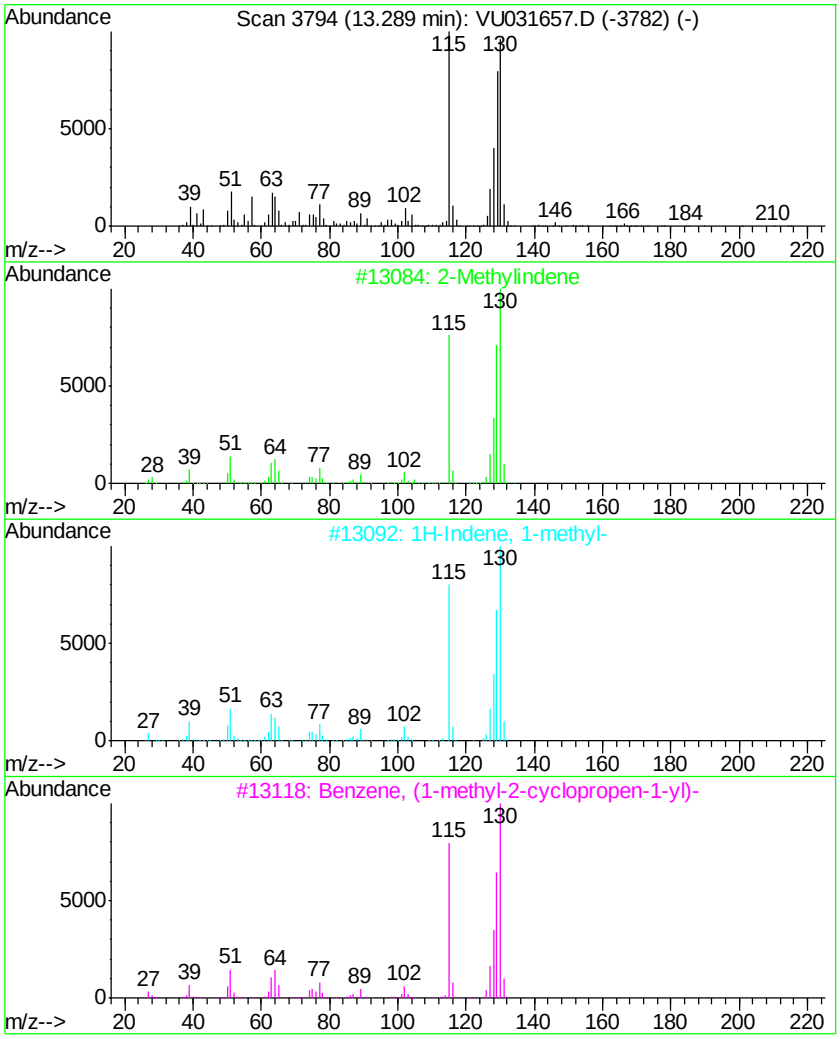
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

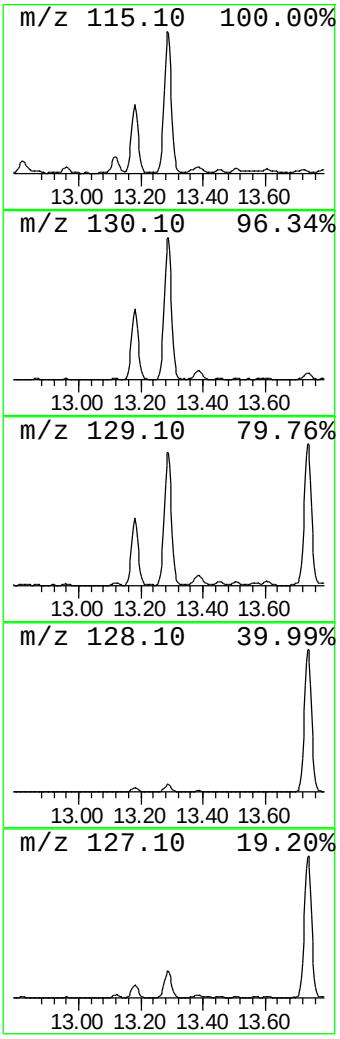
****

Peak Number 22 2-Methylindene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	193.31 ug/L	9386220	1,4-Dichlorobenzene-d4	11.48

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031657.D
Acq On : 01 May 2019 01:02
Operator : JC/SP
Sample : K2604-04 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ78

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

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

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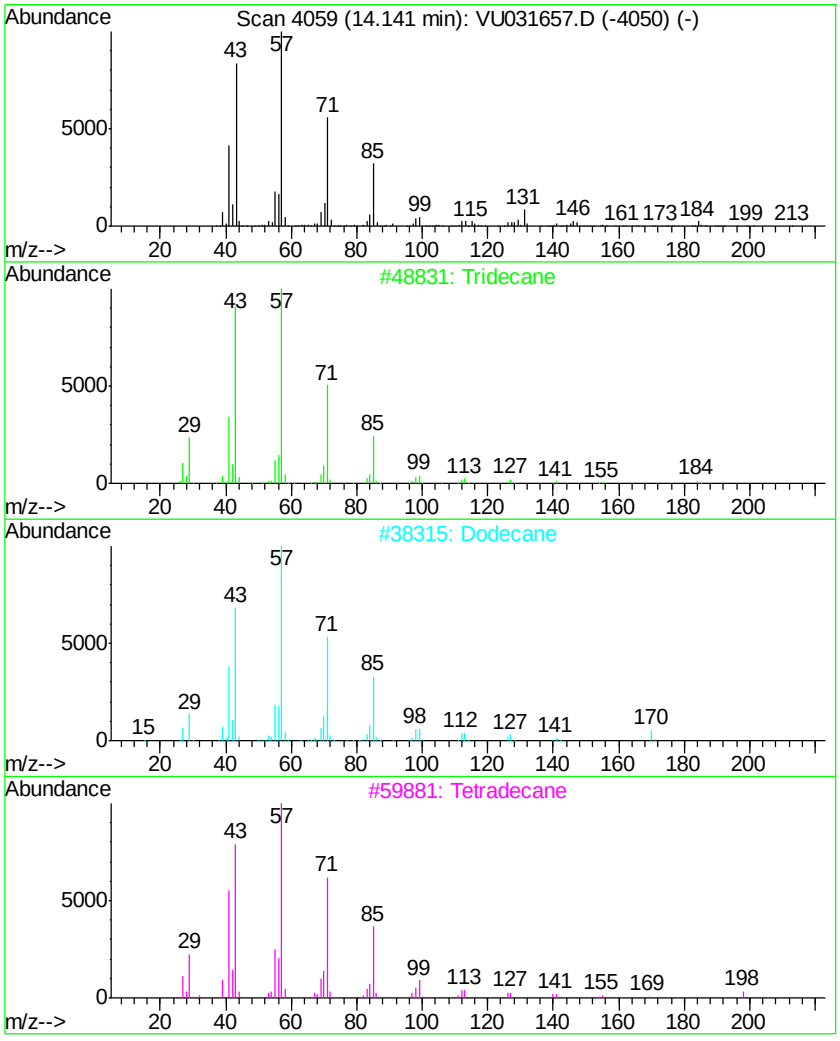
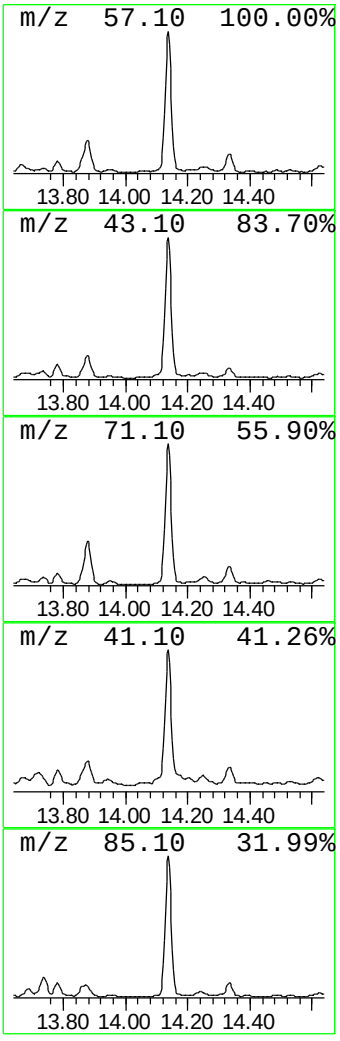
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	147.85 ug/L	7179040	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	96
2	Dodecane	170	C12H26	000112-40-3	90
3	Tetradecane	198	C14H30	000629-59-4	86
4	Hexadecane	226	C16H34	000544-76-3	86
5	Pentadecane	212	C15H32	000629-62-9	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031657.D
Acq On : 01 May 2019 01:02
Operator : JC/SP
Sample : K2604-04 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ78

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

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

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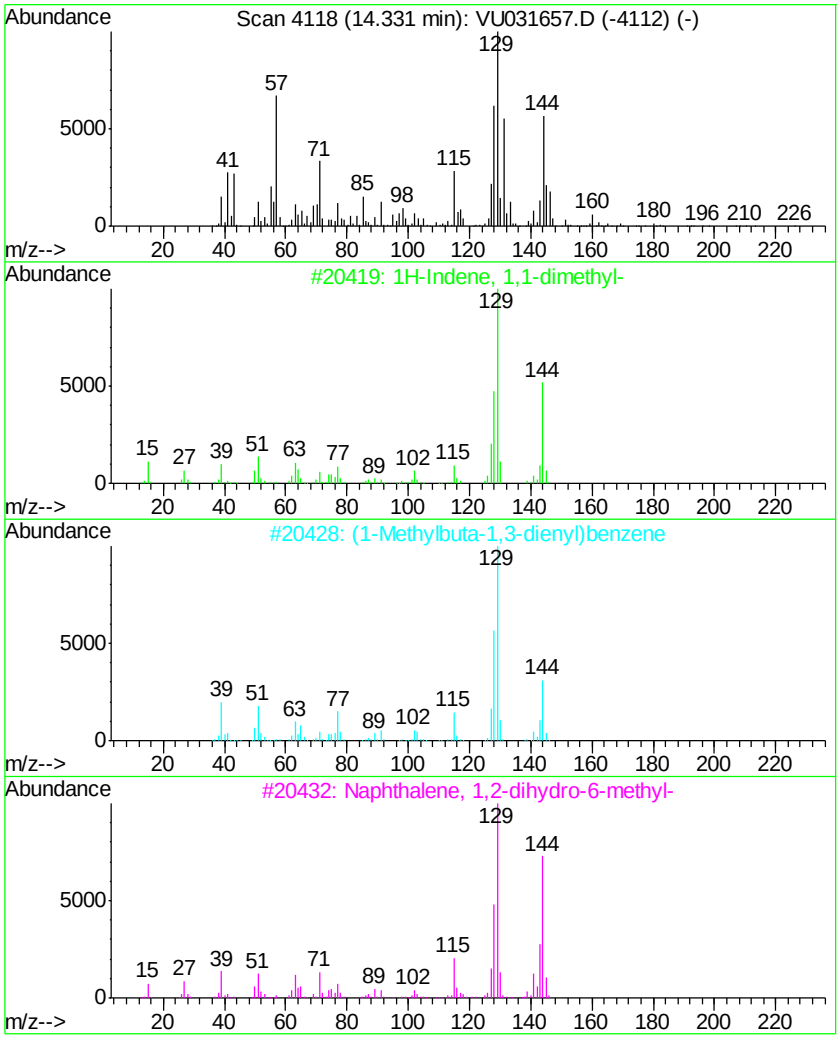
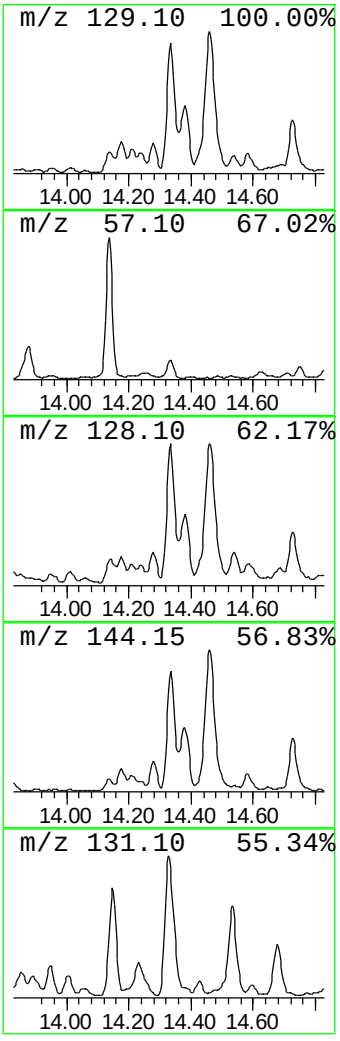
Peak Number 25 1H-Indene, 1,1-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	54.64 ug/L	2653280	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	91
2	(1-Methylbuta-1,3-dienyl)benzene	144	C11H12	054758-36-0	70
3	Naphthalene, 1,2-dihydro-6-methyl-	144	C11H12	002717-47-7	70
4	1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	70
5	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031657.D
Acq On : 01 May 2019 01:02
Operator : JC/SP
Sample : K2604-04 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ78

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

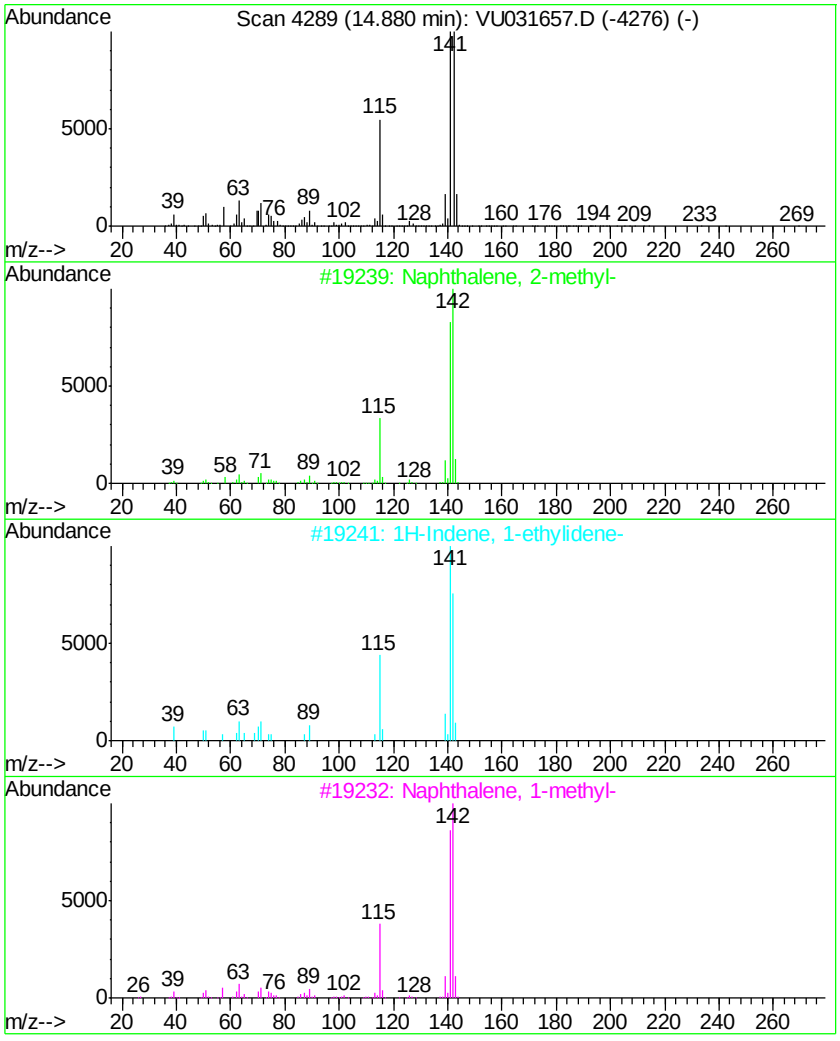
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

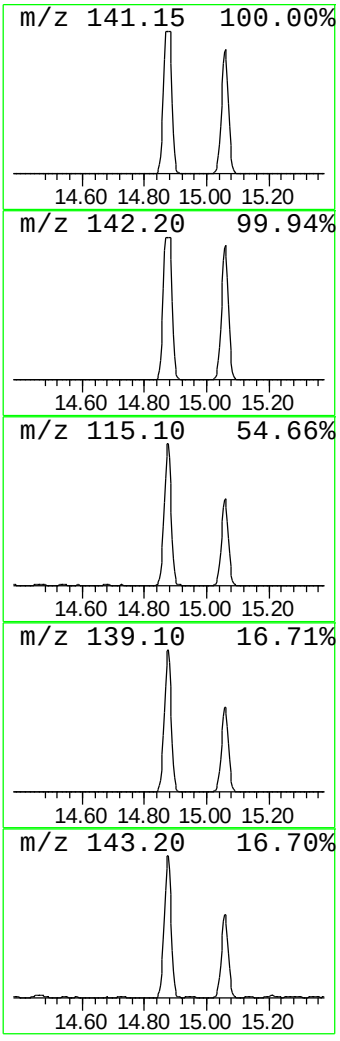
****

Peak Number 26 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	1581.41 ug/L	76787500	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
2	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	95
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
5	Benzocycloheptatriene	142	C11H10	000264-09-5	94





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Data File : VU031657.D
Acq On : 01 May 2019 01:02
Operator : JC/SP
Sample : K2604-04 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ78

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

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

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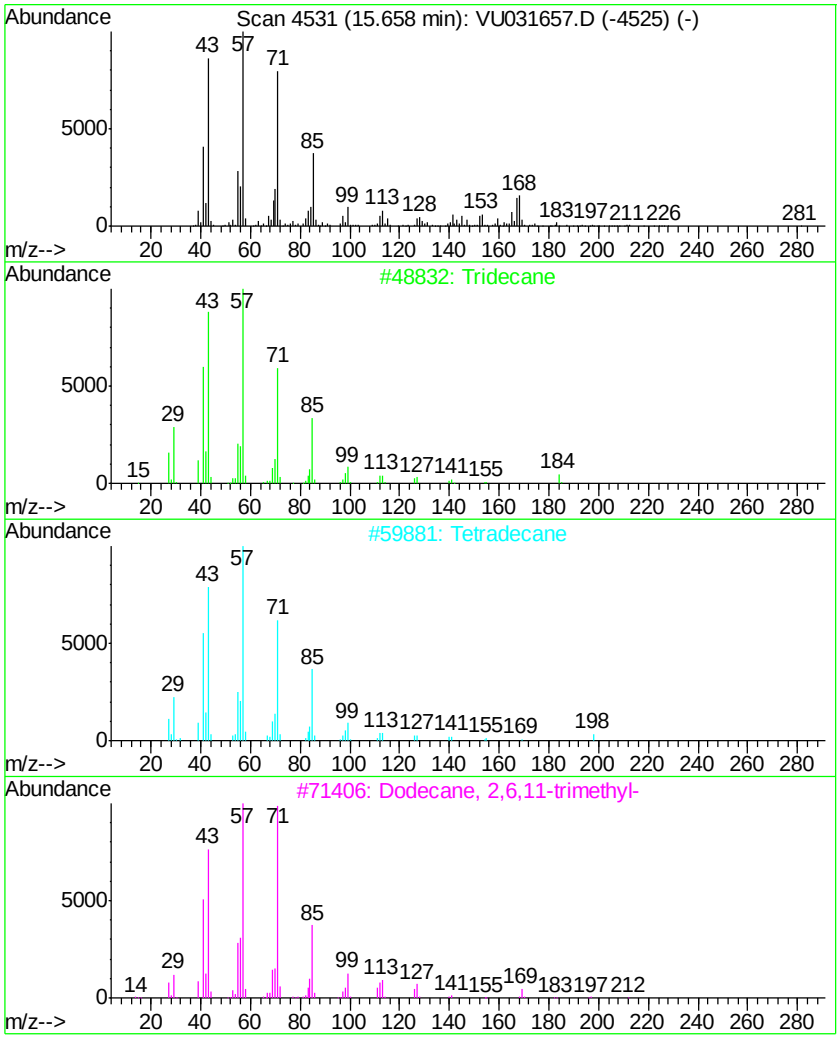
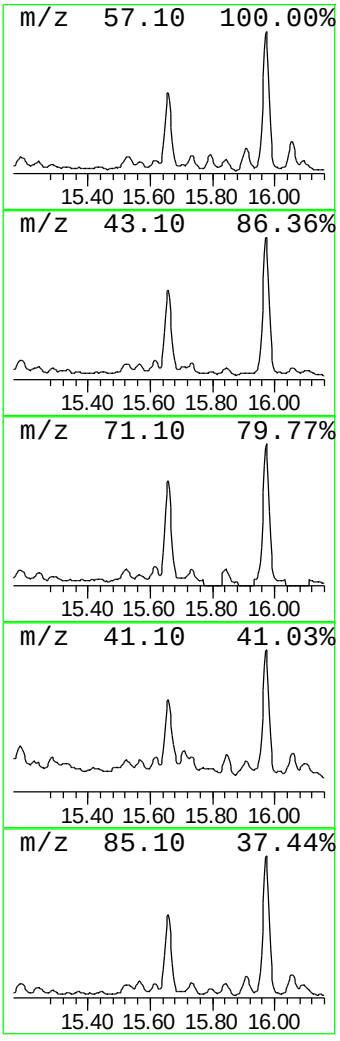
Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	37.99 ug/L	1844700	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	81
2	Tetradecane	198	C14H30	000629-59-4	81
3	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	76
4	Hexadecane	226	C16H34	000544-76-3	74
5	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	74





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Data File : VU031657.D
Acq On : 01 May 2019 01:02
Operator : JC/SP
Sample : K2604-04 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ78

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

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

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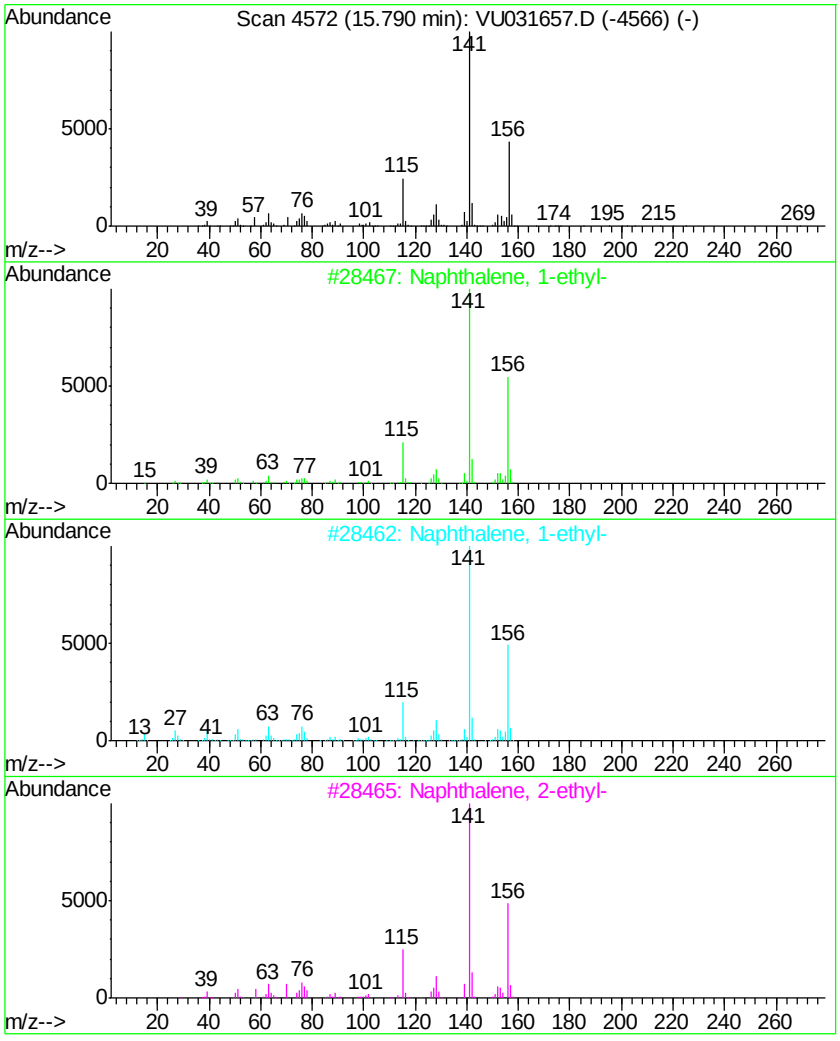
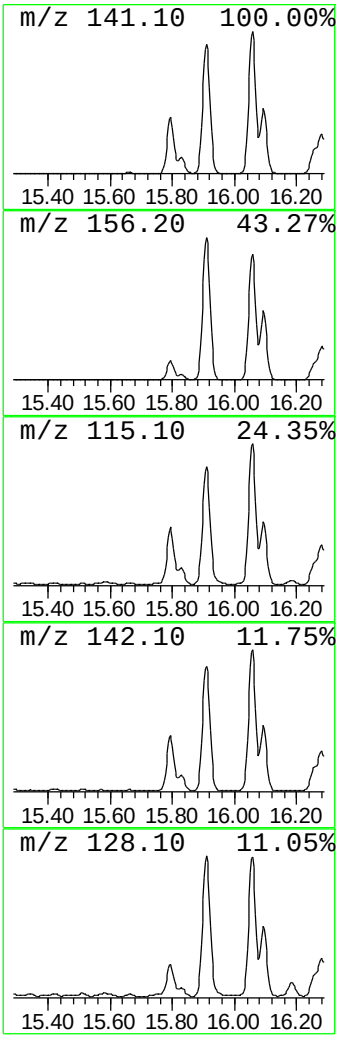
Peak Number 29 Naphthalene, 1-ethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	94.21 ug/L	4574470	1,4-Dichlorobenzene-d4	11.48

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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031657.D
Acq On : 01 May 2019 01:02
Operator : JC/SP
Sample : K2604-04 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ78

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

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

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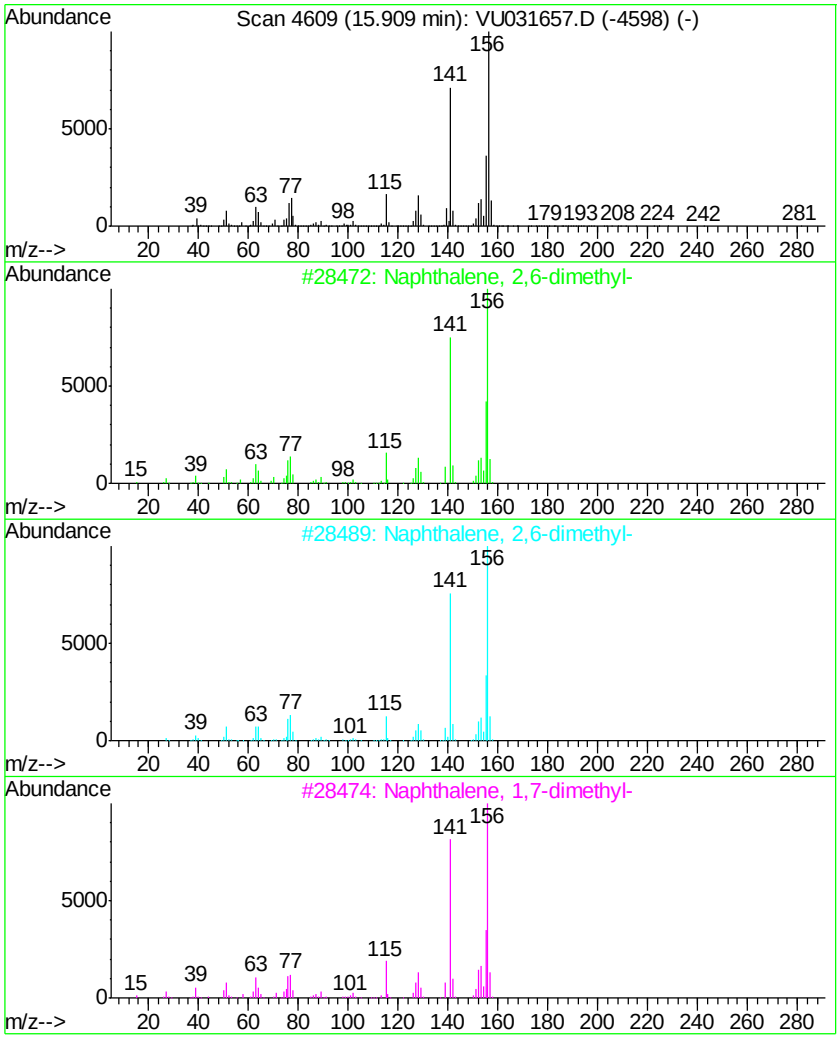
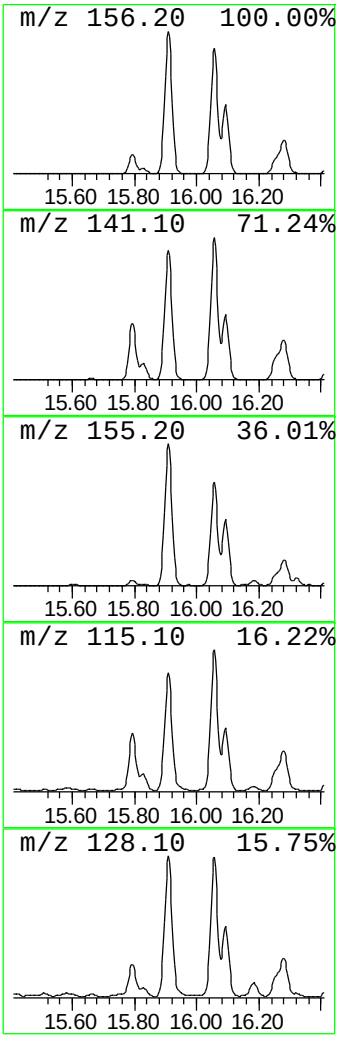
Peak Number 30 Naphthalene, 2,6-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	564.99 ug/L	27433800	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, 2,6-dimethyl-	156	C12H12	000581-42-0	98
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97





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Data File : VU031657.D
Acq On : 01 May 2019 01:02
Operator : JC/SP
Sample : K2604-04 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ78

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

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

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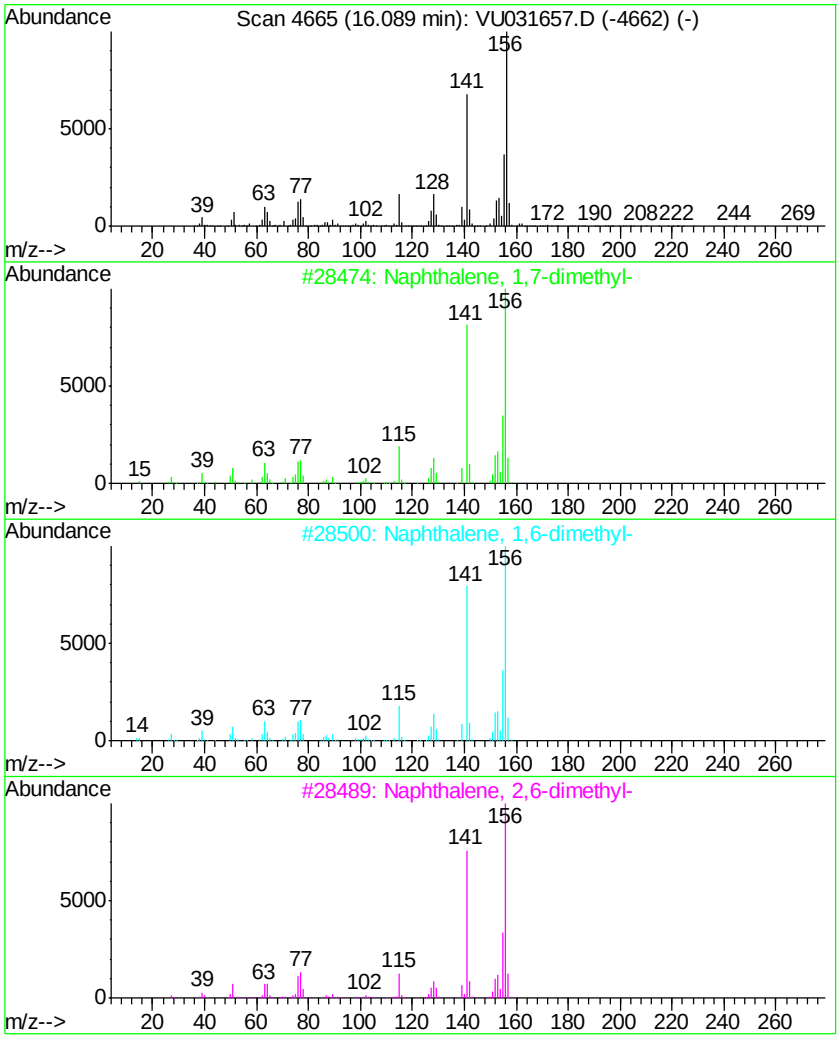
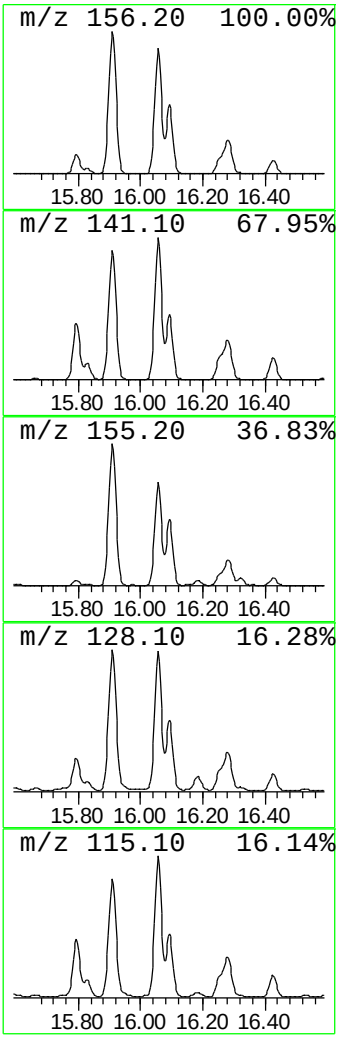
Peak Number 32 Naphthalene, 1,7-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.09	230.17 ug/L	11176300	1,4-Dichlorobenzene-d4	11.48

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031657.D
Acq On : 01 May 2019 01:02
Operator : JC/SP
Sample : K2604-04 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ78

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

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

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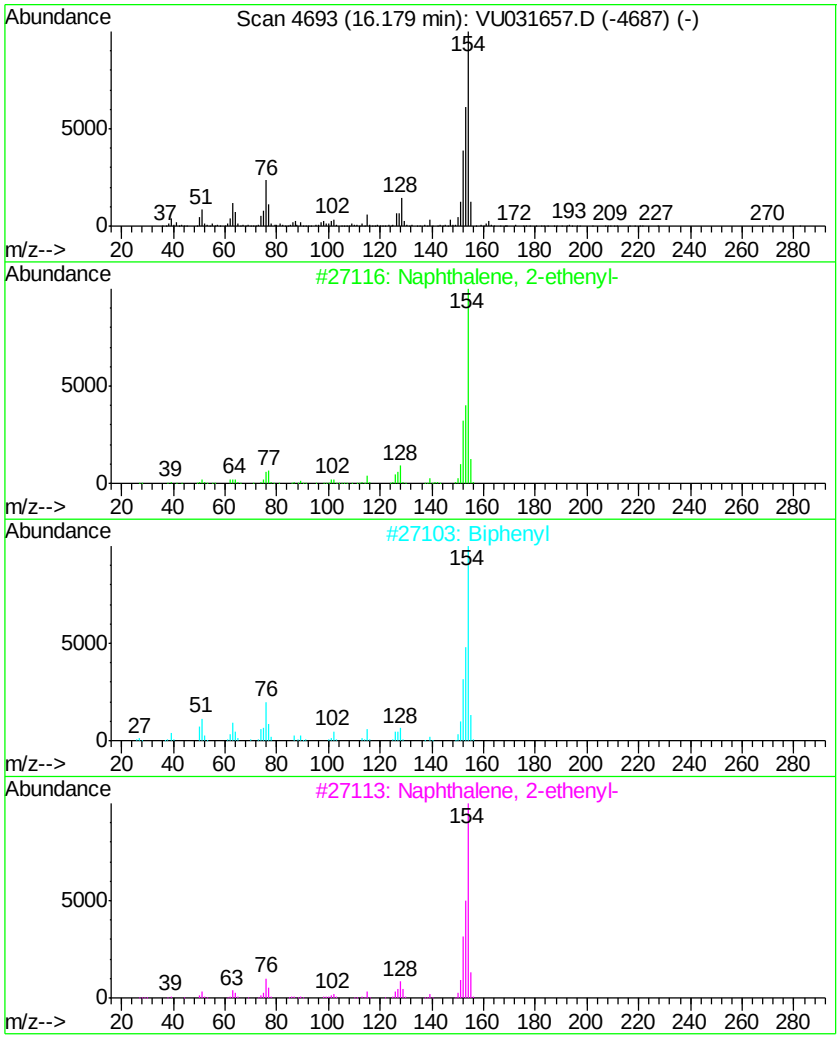
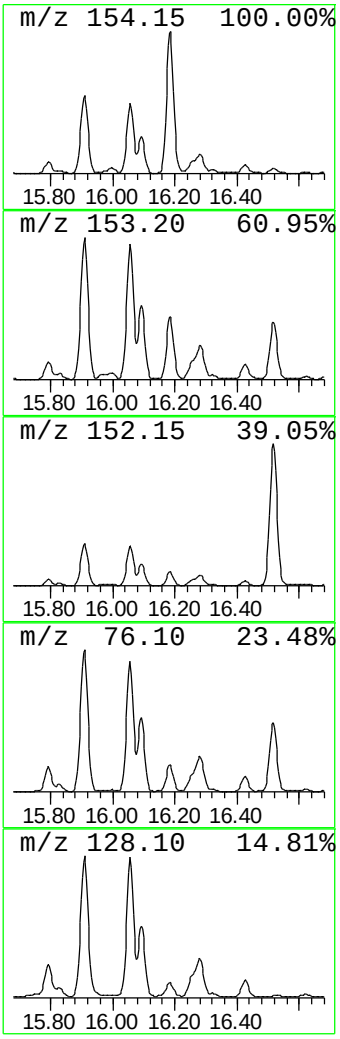
Peak Number 33 Naphthalene, 2-ethenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.18	54.95 ug/L	2668110	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	93
2	Biphenyl	154	C12H10	000092-52-4	90
3	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	86
4	Acenaphthene	154	C12H10	000083-32-9	76
5	Acenaphthene	154	C12H10	000083-32-9	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031657.D
Acq On : 01 May 2019 01:02
Operator : JC/SP
Sample : K2604-04 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ78

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

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

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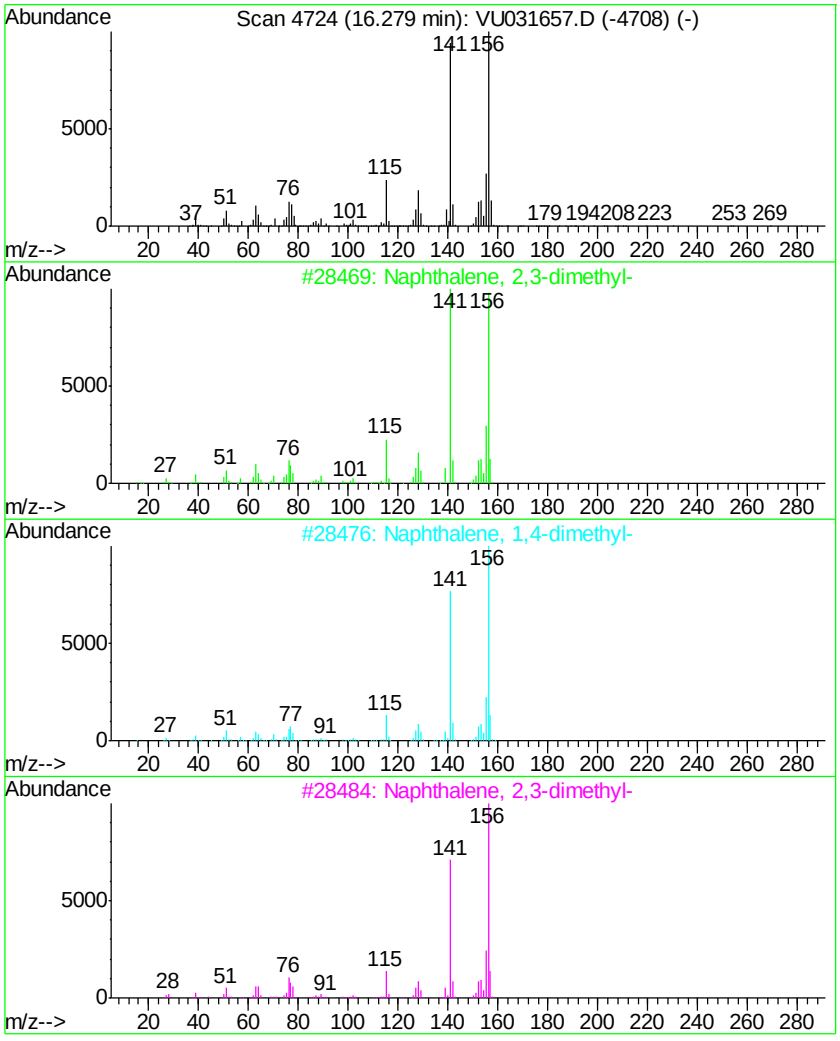
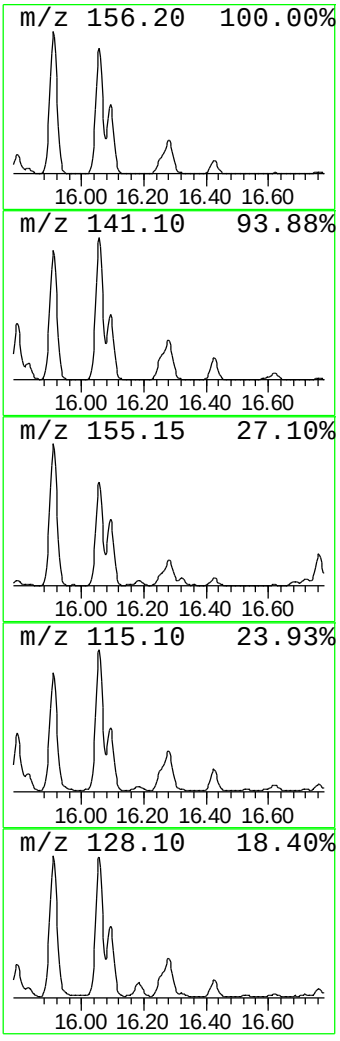
Peak Number 34 Naphthalene, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.28	221.37 ug/L	10748900	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, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031657.D
Acq On : 01 May 2019 01:02
Operator : JC/SP
Sample : K2604-04 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ78

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

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

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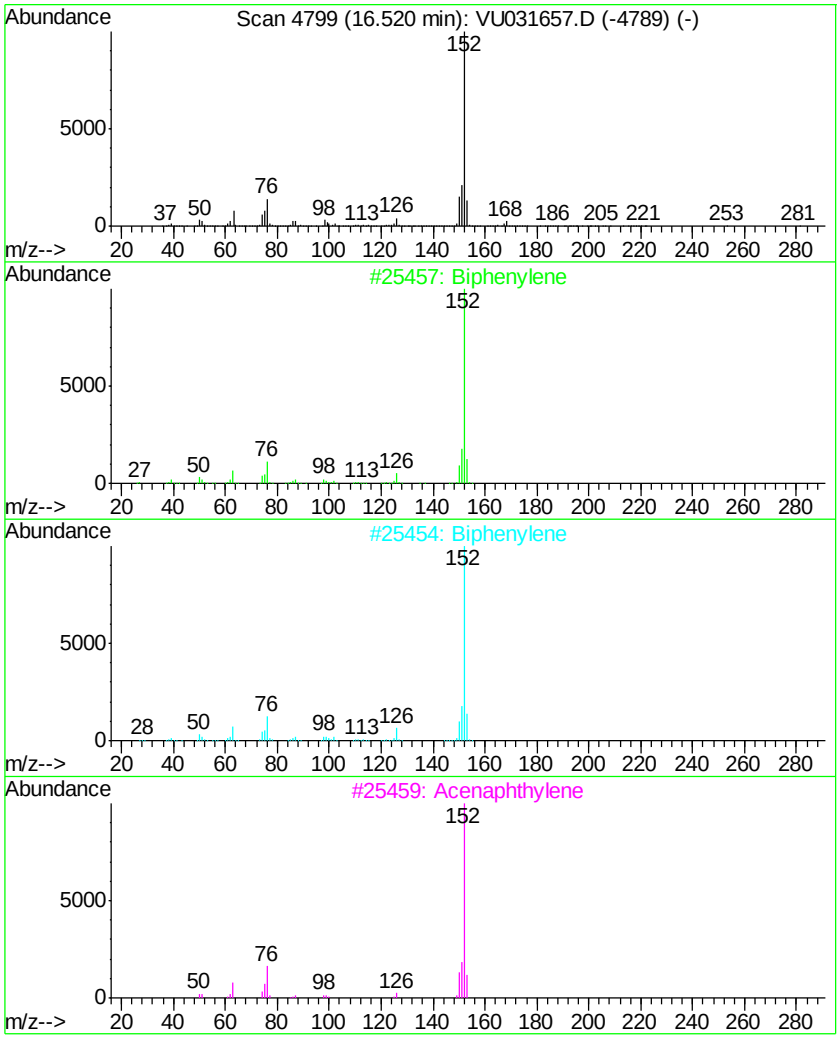
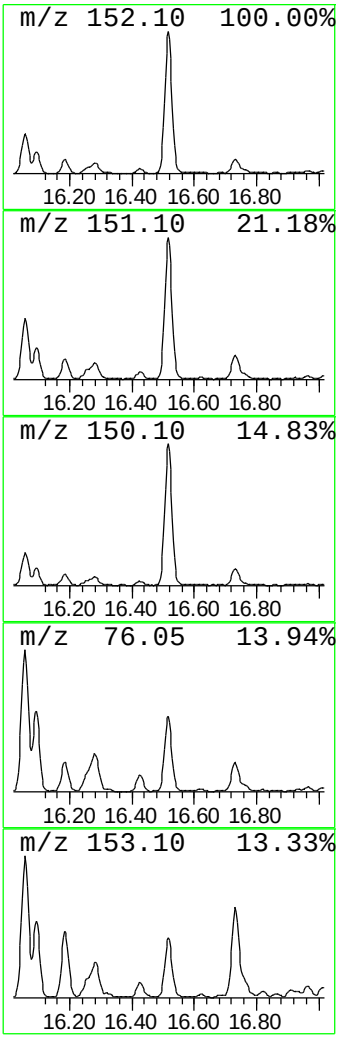
Peak Number 36 Biphenylene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.52	122.48 ug/L	5947280	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenylene	152	C12H8	000259-79-0	95
2	Biphenylene	152	C12H8	000259-79-0	94
3	Acenaphthylene	152	C12H8	000208-96-8	90
4	Acenaphthylene	152	C12H8	000208-96-8	87
5	Acenaphthylene	152	C12H8	000208-96-8	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031657.D
Acq On : 01 May 2019 01:02
Operator : JC/SP
Sample : K2604-04 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ78

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

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

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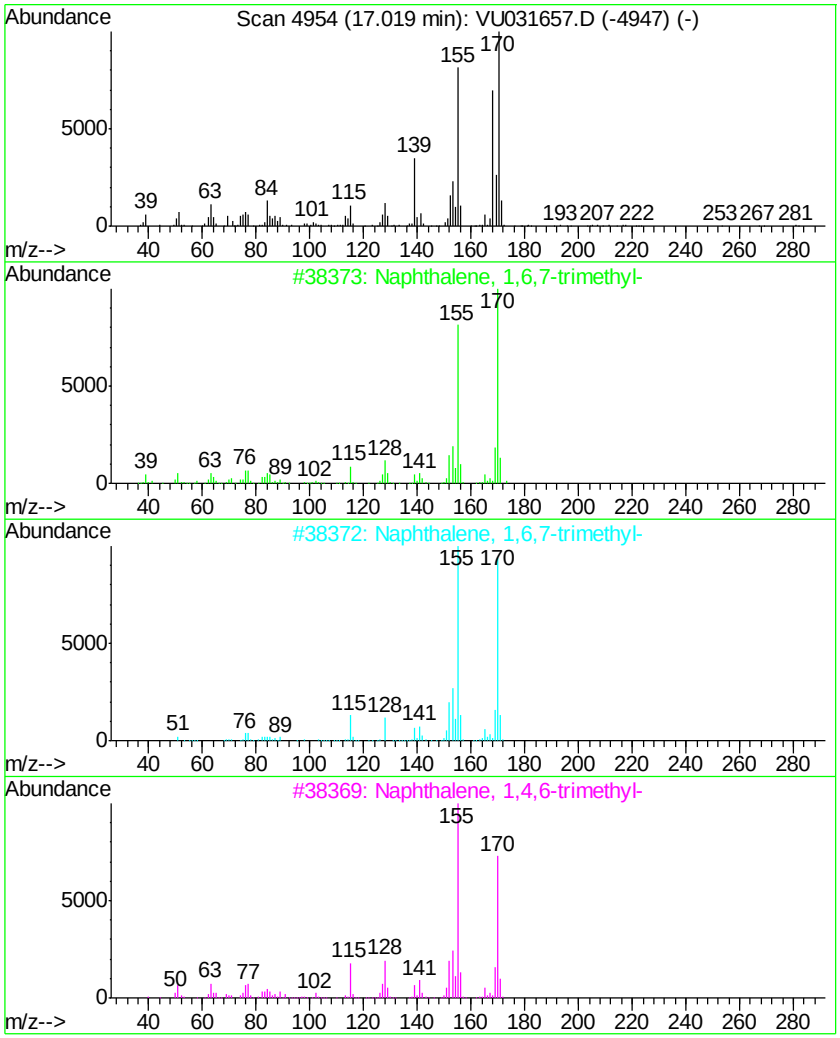
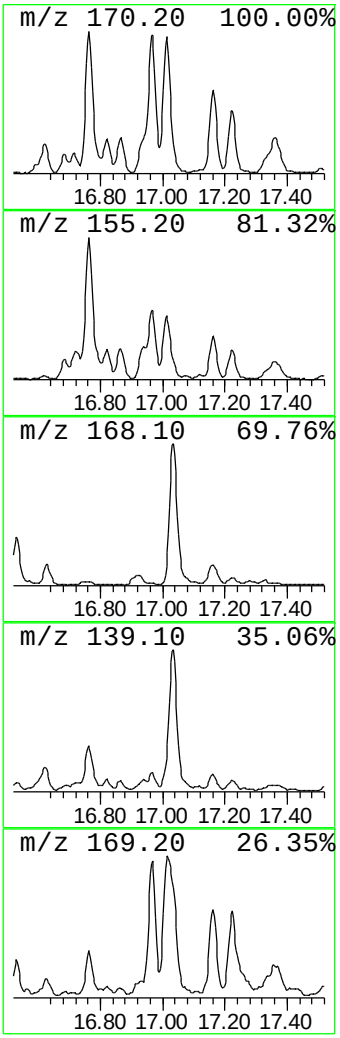
Peak Number 38 Naphthalene, 1,6,7-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.02	38.07 ug/L	1848470	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031657.D
Acq On : 01 May 2019 01:02
Operator : JC/SP
Sample : K2604-04 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ78

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

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

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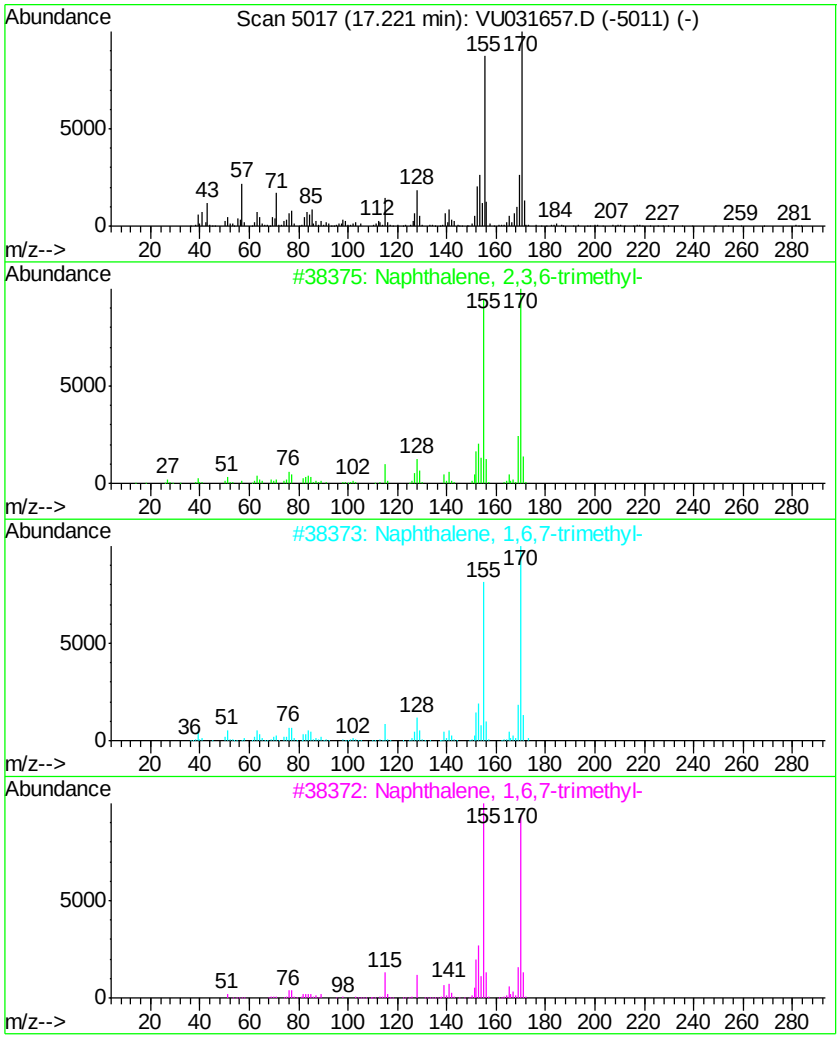
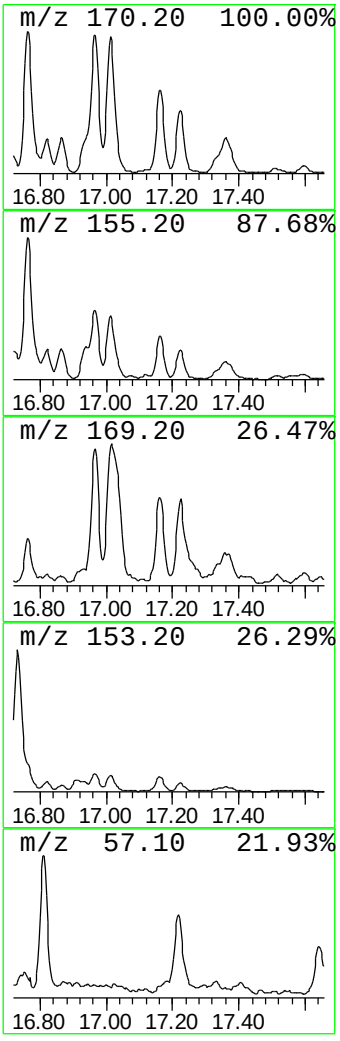
Peak Number 40 Naphthalene, 2,3,6-trimethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.22	15.76 ug/L	765185	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031657.D
Acq On : 01 May 2019 01:02
Operator : JC/SP
Sample : K2604-04 5X
Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ78

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 1-ethyl-...	10.68	11.7	ug/L	565783	3	11.48	2427820	50.0
Benzene, 1,2,3-tr...	10.77	21.2	ug/L	1029530	3	11.48	2427820	50.0
Benzene, 1-ethyl-...	10.97	8.3	ug/L	403483	3	11.48	2427820	50.0
Benzene, 1-etheny...	11.21	24.9	ug/L	1207790	3	11.48	2427820	50.0
Benzene, 2-propenyl-	11.26	7.3	ug/L	353034	3	11.48	2427820	50.0
Benzene, 1,2,4-tr...	11.57	29.1	ug/L	1414400	3	11.48	2427820	50.0
Benzeneethanol, ...	11.76	13.9	ug/L	673437	3	11.48	2427820	50.0
1-Propyne, 3-phenyl-	11.98	41.1	ug/L	1998060	3	11.48	2427820	50.0
(DEL) Alkane: Str...	12.02	18.7	ug/L	906320	3	11.48	2427820	50.0
Benzene, 2-ethyl-...	12.14	8.2	ug/L	396551	3	11.48	2427820	50.0
Benzene, 1-methyl...	12.22	6.8	ug/L	332505	3	11.48	2427820	50.0
(DEL) Alkane: Str...	12.35	9.7	ug/L	471436	3	11.48	2427820	50.0
2,4-Dimethylstyrene	12.42	34.3	ug/L	1664220	3	11.48	2427820	50.0
Benzene, 1,2,4,5-...	12.64	25.2	ug/L	1223240	3	11.48	2427820	50.0
Benzene, 4-etheny...	12.82	25.3	ug/L	1229140	3	11.48	2427820	50.0
Benzene, 1-methyl...	12.96	16.4	ug/L	797796	3	11.48	2427820	50.0
(DEL) Alkane: Str...	13.12	145.2	ug/L	7048450	3	11.48	2427820	50.0
1H-Indene, 1-methyl-	13.18	61.9	ug/L	3004870	3	11.48	2427820	50.0
2-Methylindene	13.29	193.3	ug/L	9386220	3	11.48	2427820	50.0
(DEL) Alkane: Str...	14.14	147.8	ug/L	7179040	3	11.48	2427820	50.0
1H-Indene, 1,1-di...	14.33	54.6	ug/L	2653280	3	11.48	2427820	50.0
Naphthalene, 1-me...	14.88	1581.4	ug/L	76787500	3	11.48	2427820	50.0
(DEL) Alkane: Str...	15.66	38.0	ug/L	1844700	3	11.48	2427820	50.0
Naphthalene, 1-et...	15.79	94.2	ug/L	4574470	3	11.48	2427820	50.0
Naphthalene, 2,6-...	15.91	565.0	ug/L	27433800	3	11.48	2427820	50.0
Naphthalene, 1,7-...	16.09	230.2	ug/L	11176300	3	11.48	2427820	50.0
Naphthalene, 2-et...	16.18	55.0	ug/L	2668110	3	11.48	2427820	50.0
Naphthalene, 2,3-...	16.28	221.4	ug/L	10748900	3	11.48	2427820	50.0
Biphenylene	16.52	122.5	ug/L	5947280	3	11.48	2427820	50.0
Naphthalene, 1,6,...	17.02	38.1	ug/L	1848470	3	11.48	2427820	50.0
Naphthalene, 2,3,...	17.22	15.8	ug/L	765185	3	11.48	2427820	50.0