LSC Area Percent Report

Data Path : W:\HPCHEM1\MSVOA U\Data\VU050818\
Data File : VU023745.D
Acq On : 08 May 2018 19:10
Operator : MD/SY
Sample : J2725-10DL 5X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

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 : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050818WMA.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	1.088	134	155	173	rBV	598514	681020	4.49%	0.999%
2	1.182	180	184	196	rVB4	6792	9290	0.06%	0.014%
3	1.297	208	220	227	rBV	38387	91040	0.60%	0.133%
4	1.397	246	251	270	rVB	182540	199910	1.32%	0.293%
5	1.680	332	339	358	rVB	135980	176500	1.16%	0.259%
6	2.272	512	523	537	rBV	293945	441508	2.91%	0.647%
7	2.455	572	580	581	rBV3	1571	1886	0.01%	0.003%
8	2.834	695	698	704	rBV4	1036	1375	0.01%	0.002%
9	3.381	865	868	878	rVB3	816	1195	0.01%	0.002%
10	4.178	1102	1116	1149	rBV	127300	338614	2.23%	0.496%
11	4.651	1245	1263	1286	rBV	207901	484902	3.20%	0.711%
12	4.879	1329	1334	1335	rBV2	401	377	0.00%	0.001%
13	4.892	1336	1338	1345	rVB4	641	632	0.00%	0.001%
14	4.992	1363	1369	1371	rBV4	977	1040	0.01%	0.002%
15	5.342	1450	1478	1489	rBV2	429753	1289445	8.51%	1.891%
16	5.645	1565	1572	1578	rBV3	889	1429	0.01%	0.002%
17	5.889	1633	1648	1693	rBV	399134	815308	5.38%	1.195%
18	6.185	1736	1740	1744	rBV5	746	827	0.01%	0.001%
19	6.204	1744	1746	1751	rVB3	877	582	0.00%	0.001%
20	6.336	1772	1787	1807	rBV	286748	577670	3.81%	0.847%
21	6.866	1948	1952	1956	rVB2	438	340	0.00%	0.000%
22	6.905	1959	1964	1969	rBV2	631	777	0.01%	0.001%
23	7.230	2053	2065	2086	rBV	155101	278969	1.84%	0.409%
24	7.571	2156	2171	2183	rBV	568191	1009256	6.66%	1.480%
25	7.641	2184	2193	2227	rVB	207215	395526	2.61%	0.580%
26	7.853	2247	2259	2278	rBV	105205	182264	1.20%	0.267%
27	8.233	2370	2377	2387	rVB5	1104	1574	0.01%	0.002%
28	8.313	2387	2402	2442	rBV	411279	728939	4.81%	1.069%
29	8.712	2516	2526	2529	rBV2	259	436	0.00%	0.001%
30	9.095	2632	2645	2680	rBV	577636	995490	6.57%	1.460%
31	9.252	2681	2694	2719	rVV	1033463	1696990	11.20%	2.488%
32	9.378	2721	2733	2766	rVB	669263	1124933	7.42%	1.649%
33	9.551	2778	2787	2802	rVB3	10448	18910	0.12%	0.028%
34	9.651	2812	2818	2819	rBV3	560	441	0.00%	0.001%

LSC Area Percent Report

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Operator : MD/SY
Sample : J2725-10DL 5X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

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 : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050818WMA.M
Title : VOC Analysis

35	9.738	2837	2845	2848	rBV3	5268	6979	0.05%	0.010%
36	9.783	2848	2859	2893	rVB	568410	922655	6.09%	1.353%
37	10.014	2923	2931	2941	rBV4	3266	4960	0.03%	0.007%
38	10.172	2968	2980	3001	rBV	87281	140703	0.93%	0.206%
39	10.384	3043	3046	3049	rBV	338	292	0.00%	0.000%
40	10.435	3049	3062	3080	rBV	402849	639691	4.22%	0.938%
41	10.516	3080	3087	3095	rVB4	3124	4123	0.03%	0.006%
42	10.593	3099	3111	3127	rBV	29437	45617	0.30%	0.067%
43	10.686	3128	3140	3145	rBV	120650	202003	1.33%	0.296%
44	10.776	3158	3168	3183	rVB	122842	186137	1.23%	0.273%
45	10.895	3199	3205	3217	rVB4	2078	3212	0.02%	0.005%
46	10.976	3218	3230	3235	rBV	69831	115804	0.76%	0.170%
47	11.152	3263	3285	3297	rBV	759192	1155002	7.62%	1.694%
48	11.220	3297	3306	3315	rVV	69143	106813	0.70%	0.157%
49	11.271	3315	3322	3332	rVV2	21052	33060	0.22%	0.048%
50	11.329	3332	3340	3352	rVB	16826	24498	0.16%	0.036%
51	11.403	3352	3363	3377	rBV	388099	617846	4.08%	0.906%
52	11.487	3377	3389	3404	rVV	725605	1139802	7.52%	1.671%
53	11.574	3404	3416	3427	rVV	378584	580526	3.83%	0.851%
54	11.631	3427	3434	3445	rVB	26997	41065	0.27%	0.060%
55	11.693	3445	3453	3462	rVB4	4649	7229	0.05%	0.011%
56	11.770	3462	3477	3495	rBV	3757756	5798007	38.25%	8.501%
57	11.863	3495	3506	3523	rVB	658740	1058072	6.98%	1.551%
58	11.985	3530	3544	3564	rBV	7864943	12013665	79.26%	17.615%
59	12.152	3588	3596	3600	rBV2	9343	13947	0.09%	0.020%
60	12.255	3613	3628	3635	rBV	49661	82207	0.54%	0.121%
61	12.358	3650	3660	3675	rBV	86545	135291	0.89%	0.198%
62	12.429	3676	3682	3691	rVB5	6103	8468	0.06%	0.012%
63	12.487	3692	3700	3708	rVB9	3741	6477	0.04%	0.009%
64	12.596	3712	3734	3745	rBV	690692	1051122	6.93%	1.541%
65	12.654	3745	3752	3755	rBV	39969	48549	0.32%	0.071%
66	12.699	3755	3766	3778	rBV	1065932	2126039	14.03%	3.117%
67	12.779	3786	3791	3802	rVB	170949	243123	1.60%	0.356%
68	12.889	3817	3825	3834	rVB5	8284	13721	0.09%	0.020%
69	12.969	3839	3850	3869	rVB	126409	193979	1.28%	0.284%
70	13.127	3884	3899	3909	rBV2	322492	515878	3.40%	0.756%
71	13.188	3909	3918	3931	rVB	379020	574394	3.79%	0.842%

LSC Area Percent Report

Data Path : W:\HPCHEM1\MSVOA U\Data\VU050818\
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Acq On : 08 May 2018 19:10
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Sample : J2725-10DL 5X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

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 : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050818WMA.M
Title : VOC Analysis

72	13.297	3939	3952	3970	rVB	519425	844498	5.57%	1.238%
73	13.393	3974	3982	3990	rBV4	8821	14233	0.09%	0.021%
74	13.461	3997	4003	4009	rBV3	6323	10183	0.07%	0.015%
75	13.557	4027	4033	4039	rBV3	4270	6286	0.04%	0.009%
76	13.676	4064	4070	4076	rVB5	2126	2700	0.02%	0.004%
77	13.747	4077	4092	4113	rBV	9493874	15158042	100.00%	22.226%
78	13.863	4114	4128	4138	rBV	2225243	3517877	23.21%	5.158%
79	13.953	4152	4156	4165	rVB	42773	54531	0.36%	0.080%
80	14.059	4183	4189	4202	rVB2	19218	29326	0.19%	0.043%
81	14.152	4209	4218	4225	rBV3	10473	18169	0.12%	0.027%
82	14.345	4267	4278	4287	rBV5	17534	34752	0.23%	0.051%
83	14.538	4329	4338	4349	rVB2	44789	70993	0.47%	0.104%
84	14.680	4374	4382	4392	rBV2	15121	21223	0.14%	0.031%
85	14.734	4394	4399	4411	rVB4	5514	8351	0.06%	0.012%
86	14.824	4413	4427	4436	rBV	118246	202448	1.34%	0.297%
87	14.882	4436	4445	4470	rVB2	88466	173076	1.14%	0.254%
88	14.995	4471	4480	4489	rBV	24280	37602	0.25%	0.055%
89	15.065	4489	4502	4518	rBV	2801452	4376830	28.87%	6.418%
90	15.561	4649	4656	4661	rBV3	5543	8592	0.06%	0.013%
91	15.612	4662	4672	4685	rVB	198325	302499	2.00%	0.444%
92	15.802	4717	4731	4736	rBV5	11150	21986	0.15%	0.032%
93	15.921	4756	4768	4791	rVB	103762	187038	1.23%	0.274%
94	16.065	4802	4813	4820	rBV	144435	235440	1.55%	0.345%
95	16.268	4867	4876	4877	rBV3	17749	20614	0.14%	0.030%
96	16.438	4919	4929	4940	rVB	34615	53359	0.35%	0.078%
97	16.532	4949	4958	4972	rVB3	14349	26348	0.17%	0.039%
98	16.744	5011	5024	5045	rBV	783432	1255300	8.28%	1.841%
99	16.921	5075	5079	5092	rVB3	8719	11336	0.07%	0.017%
100	17.043	5108	5117	5140	rVB	48263	86649	0.57%	0.127%

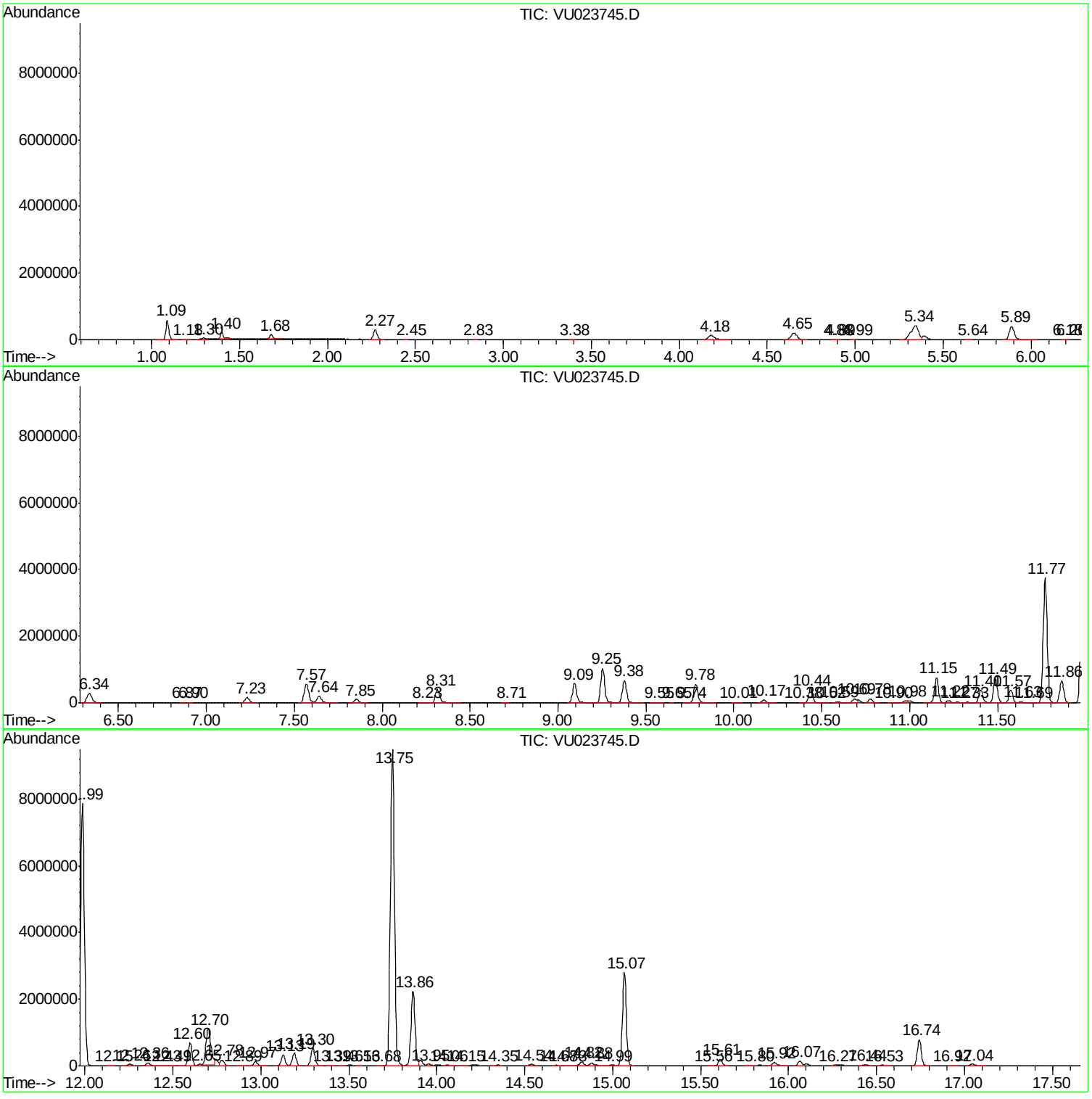
Sum of corrected areas: 68200632

LSC Report - Integrated Chromatogram

Data Path : W:\HPCHEM1\MSVOA_U\Data\VU050818\
Data File : VU023745.D
Acq On : 08 May 2018 19:10
Operator : MD/SY
Sample : J2725-10DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050818WMA.M
Quant Title : VOC Analysis

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



Data Path : W:\HPCHEM1\MSVOA_U\Data\VU050818\
Data File : VU023745.D
Acq On : 08 May 2018 19:10
Operator : MD/SY
Sample : J2725-10DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050818WMA.M
Quant Title : VOC Analysis

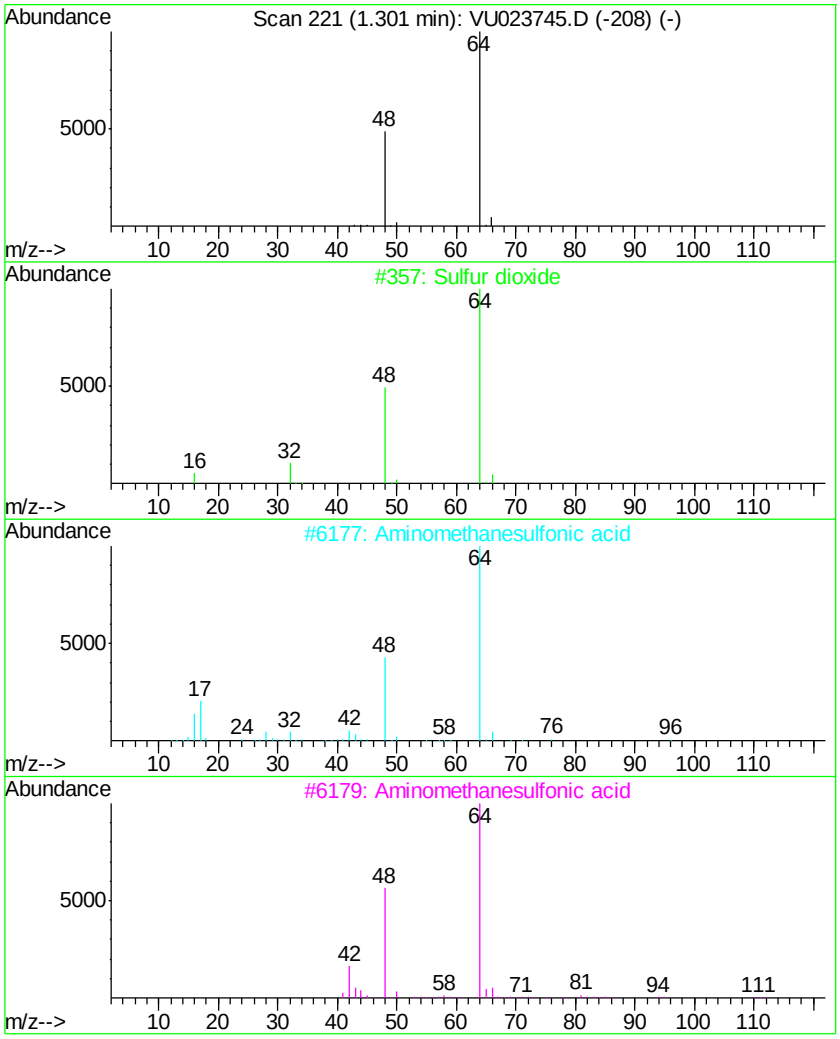
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

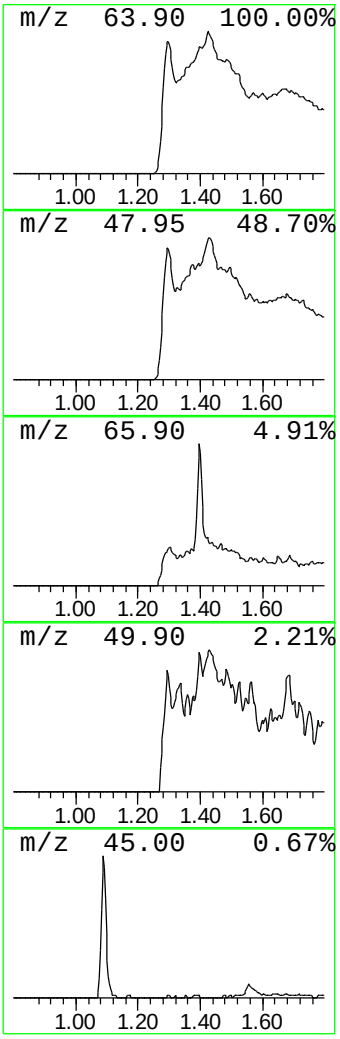
****

Peak Number 2 Sulfur dioxide Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.30	5.58 ug/L	91040	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	90
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
3	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	9
4	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
5	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	4





Library Search Compound Report

Data Path : W:\HPCHEM1\MSVOA_U\Data\VU050818\
Data File : VU023745.D
Acq On : 08 May 2018 19:10
Operator : MD/SY
Sample : J2725-10DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050818WMA.M
Quant Title : VOC Analysis

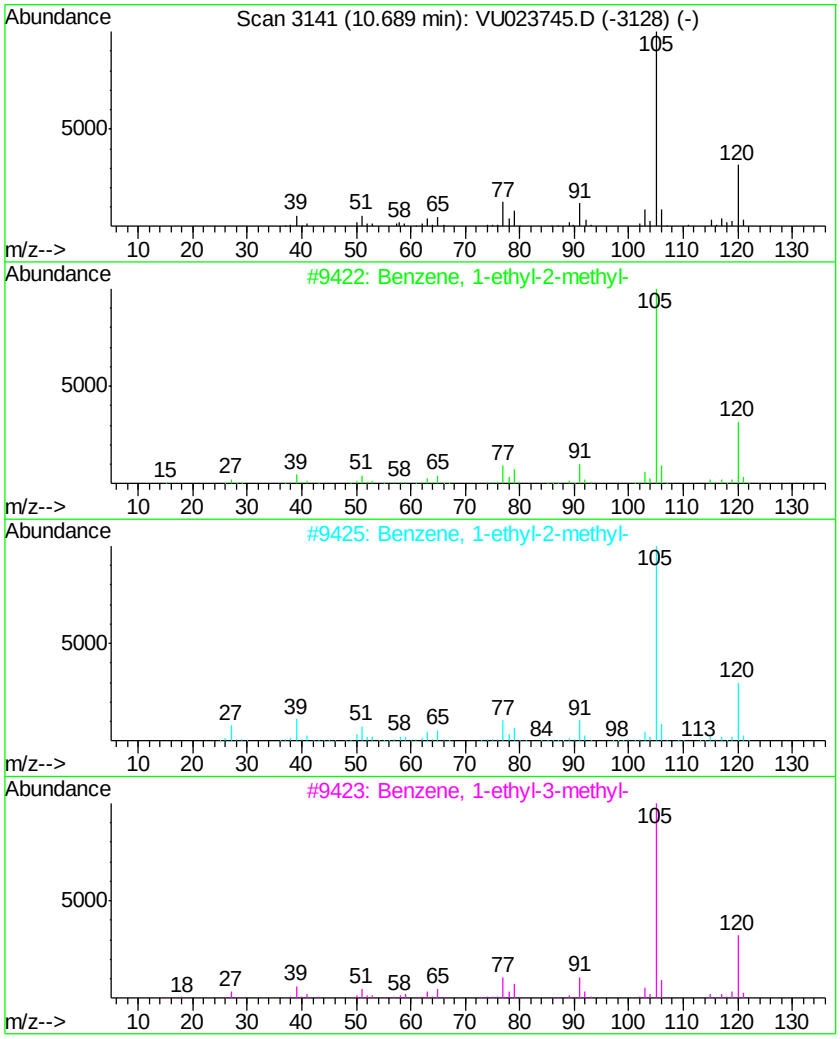
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

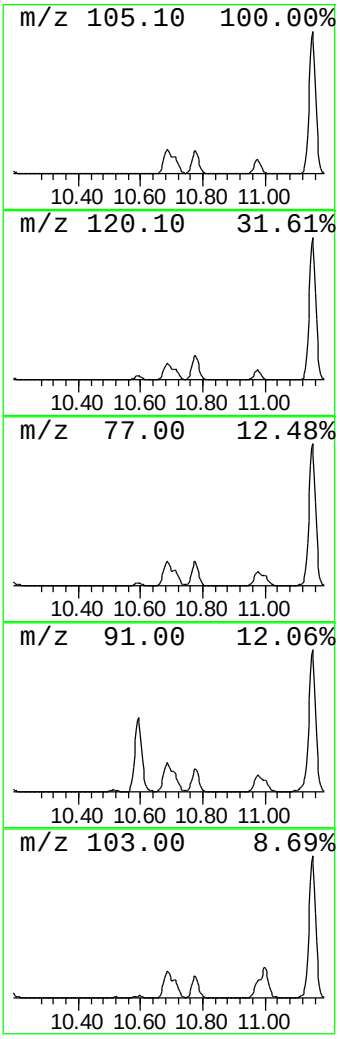
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.69	8.86 ug/L	202003	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	94
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91





Data Path : W:\HPCHEM1\MSVOA_U\Data\VU050818\
Data File : VU023745.D
Acq On : 08 May 2018 19:10
Operator : MD/SY
Sample : J2725-10DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050818WMA.M
Quant Title : VOC Analysis

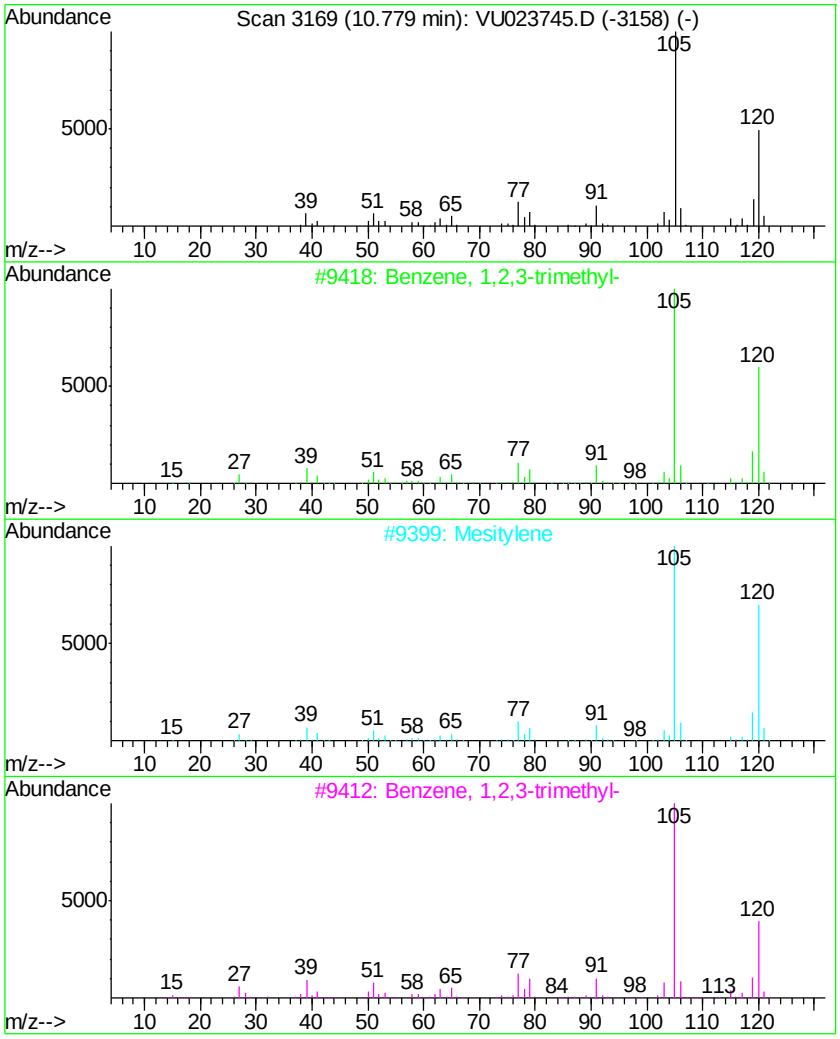
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

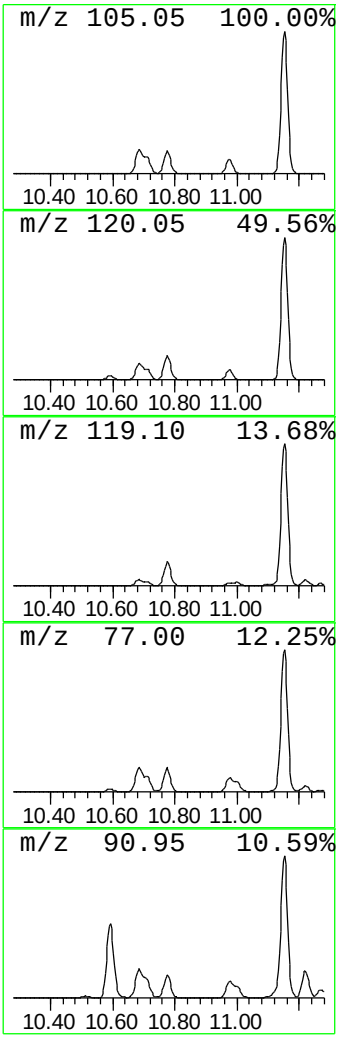
****

Peak Number 5 Benzene, 1,2,3-trimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.78	8.17 ug/L	186137	1,4-Dichlorobenzene-d4	11.49

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





Data Path : W:\HPCHEM1\MSVOA_U\Data\VU050818\
Data File : VU023745.D
Acq On : 08 May 2018 19:10
Operator : MD/SY
Sample : J2725-10DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050818WMA.M
Quant Title : VOC Analysis

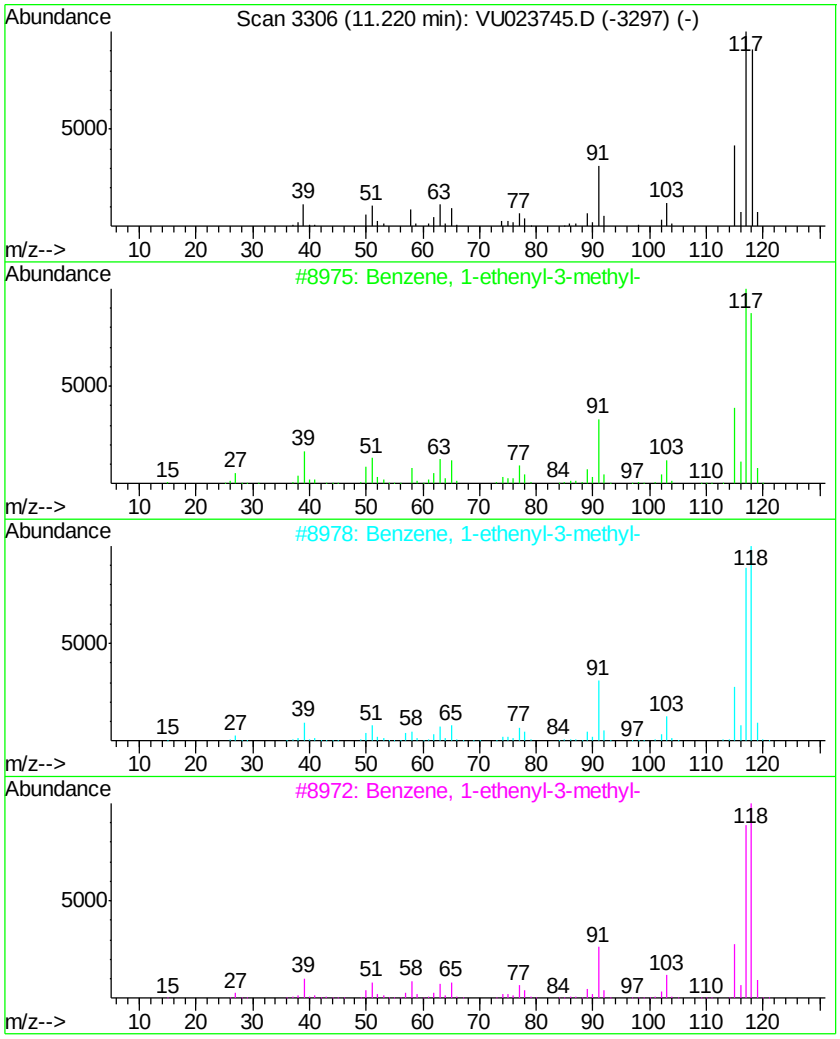
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

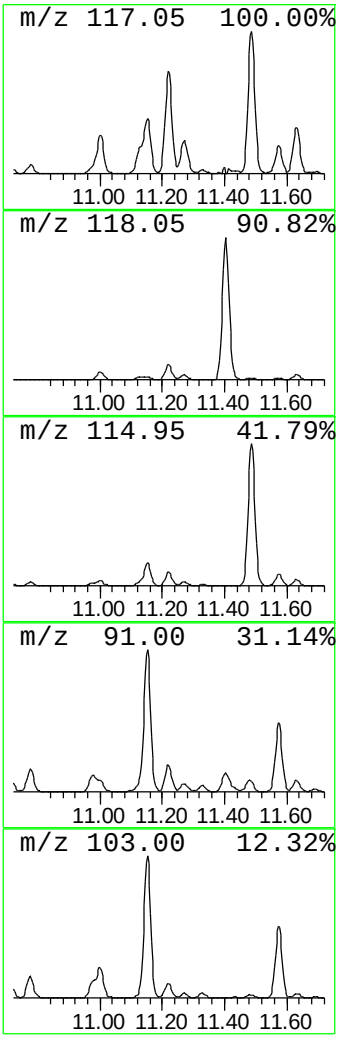
****

Peak Number 8 Benzene, 1-ethenyl-3-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	4.69 ug/L	106813	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-3-methyl-	118	C9H10	000100-80-1	95
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	95
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	94





Data Path : W:\HPCHEM1\MSVOA_U\Data\VU050818\
Data File : VU023745.D
Acq On : 08 May 2018 19:10
Operator : MD/SY
Sample : J2725-10DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050818WMA.M
Quant Title : VOC Analysis

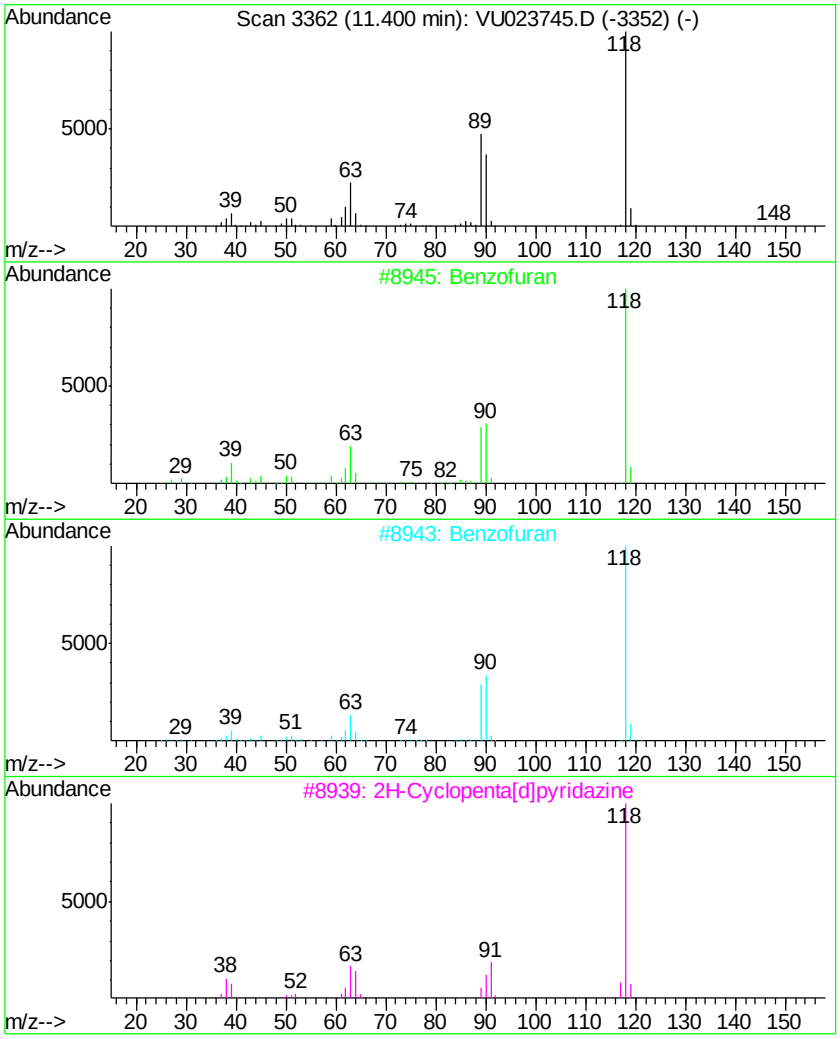
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

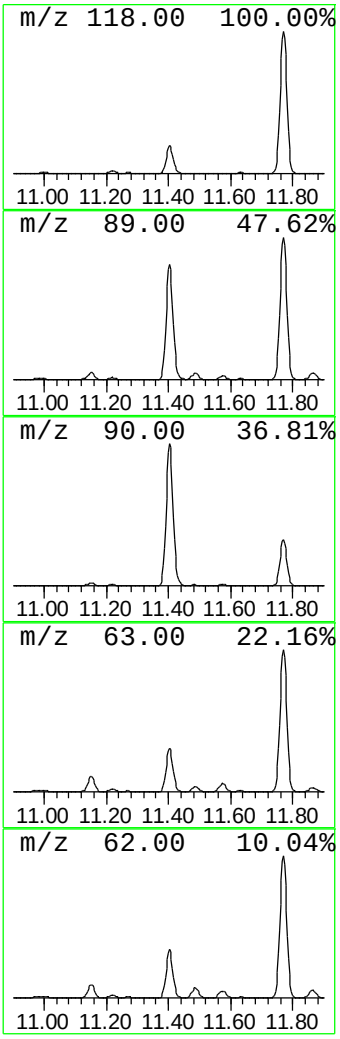
****

Peak Number 9 Benzofuran Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	27.10 ug/L	617846	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran	118	C8H6O	000271-89-6	90
2	Benzofuran	118	C8H6O	000271-89-6	90
3	2H-Cyclopenta[d]pyridazine	118	C7H6N2	000270-64-4	64
4	1H-Pyrrolo[2,3-b]pyridine	118	C7H6N2	000271-63-6	59
5	Benzofuran	118	C8H6O	000271-89-6	50





Data Path : W:\HPCHEM1\MSVOA_U\Data\VU050818\
Data File : VU023745.D
Acq On : 08 May 2018 19:10
Operator : MD/SY
Sample : J2725-10DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050818WMA.M
Quant Title : VOC Analysis

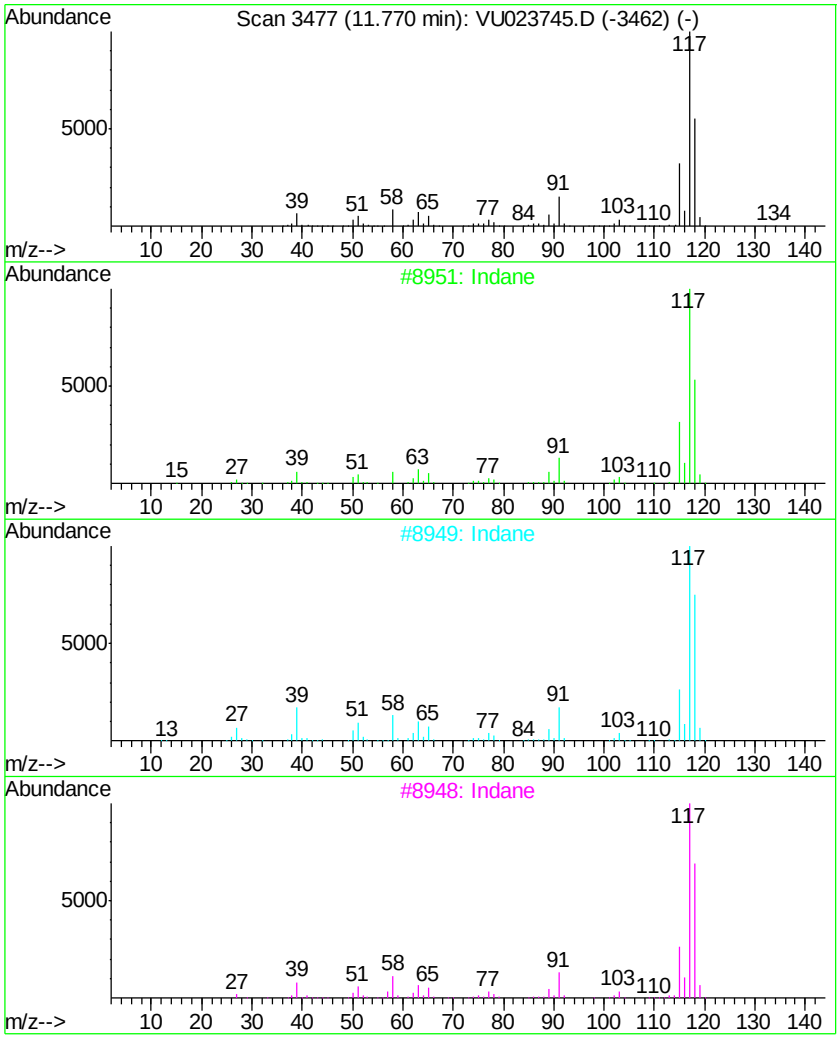
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

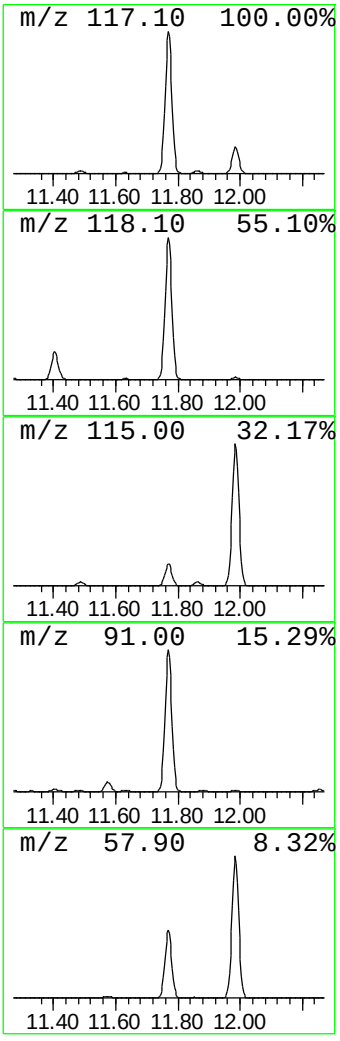
****

Peak Number 11 Indane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	254.34 ug/L	5798010	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Indane	118	C9H10	000496-11-7	91
3	Indane	118	C9H10	000496-11-7	87
4	Deltacyclene	118	C9H10	007785-10-6	72
5	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	64





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Acq On : 08 May 2018 19:10
Operator : MD/SY
Sample : J2725-10DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050818WMA.M
Quant Title : VOC Analysis

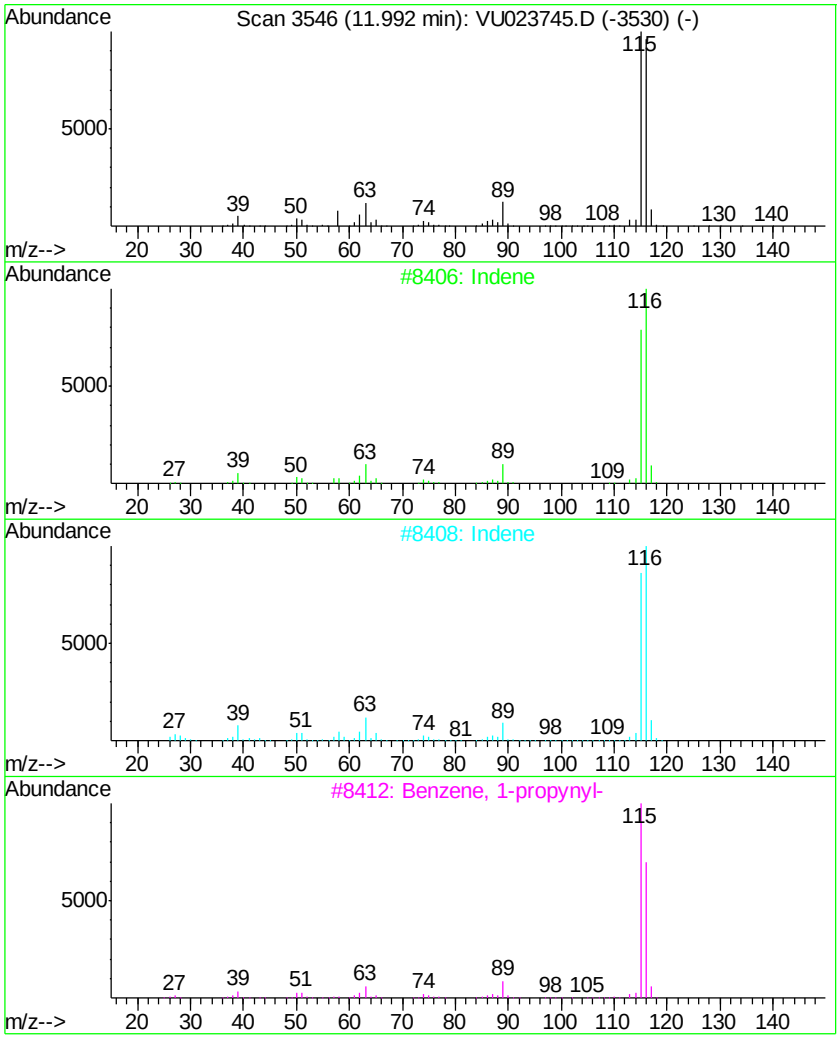
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

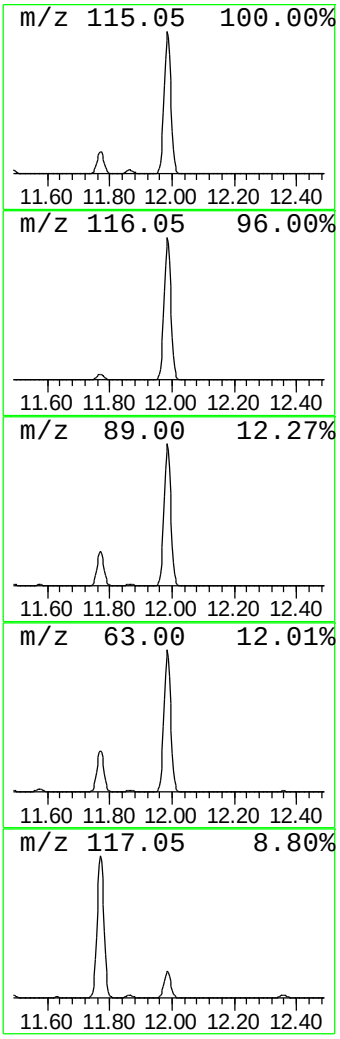
****

Peak Number 12 Indene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	527.01 ug/L	12013700	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	95
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
4	Indene	116	C9H8	000095-13-6	94
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91





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Acq On : 08 May 2018 19:10
Operator : MD/SY
Sample : J2725-10DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050818WMA.M
Quant Title : VOC Analysis

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

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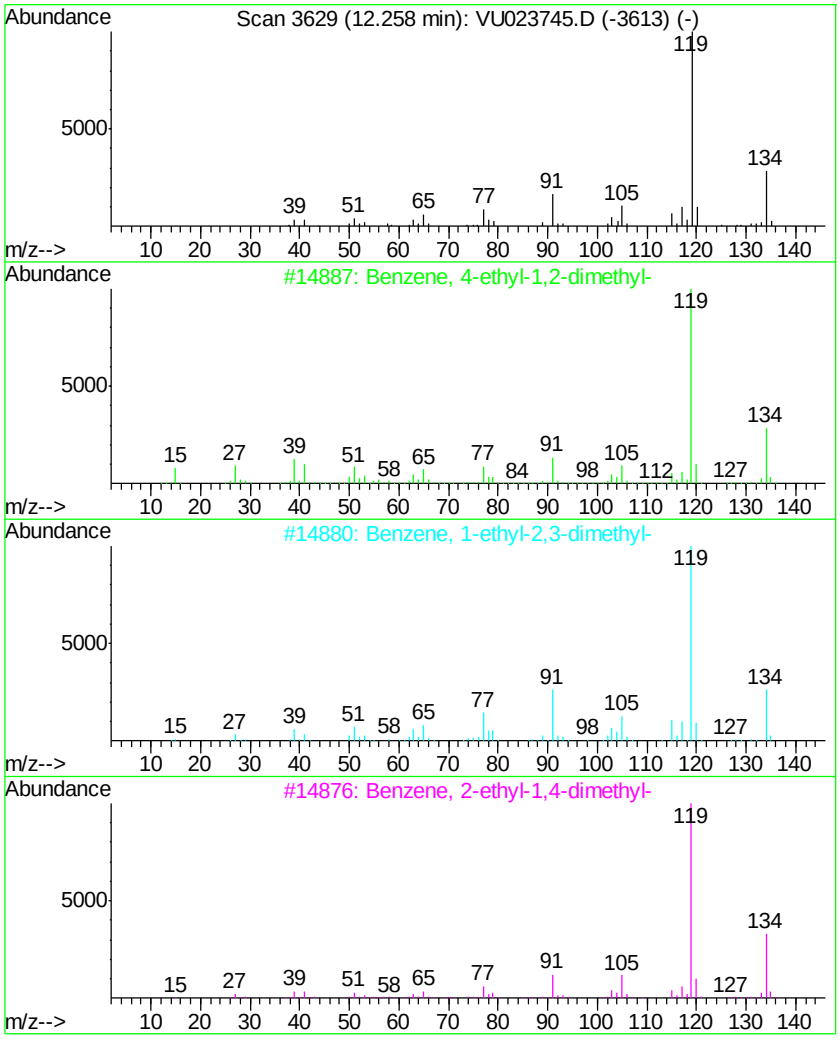
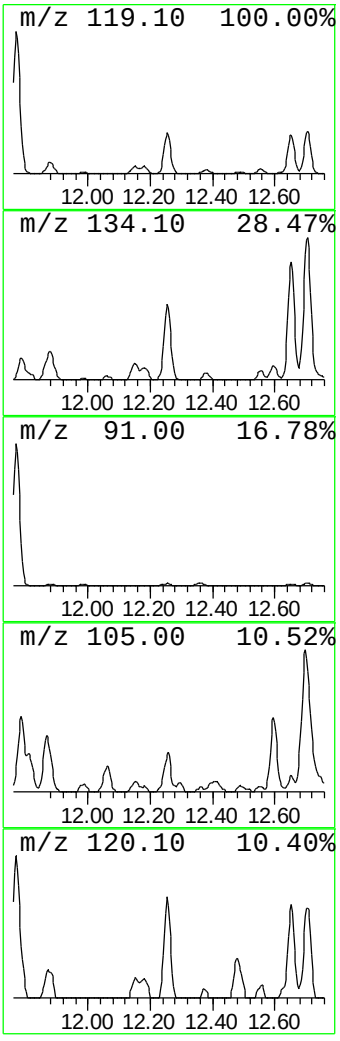
Peak Number 13 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	3.61 ug/L	82207	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5	p-Cymene	134	C10H14	000099-87-6	94





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Acq On : 08 May 2018 19:10
Operator : MD/SY
Sample : J2725-10DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050818WMA.M
Quant Title : VOC Analysis

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

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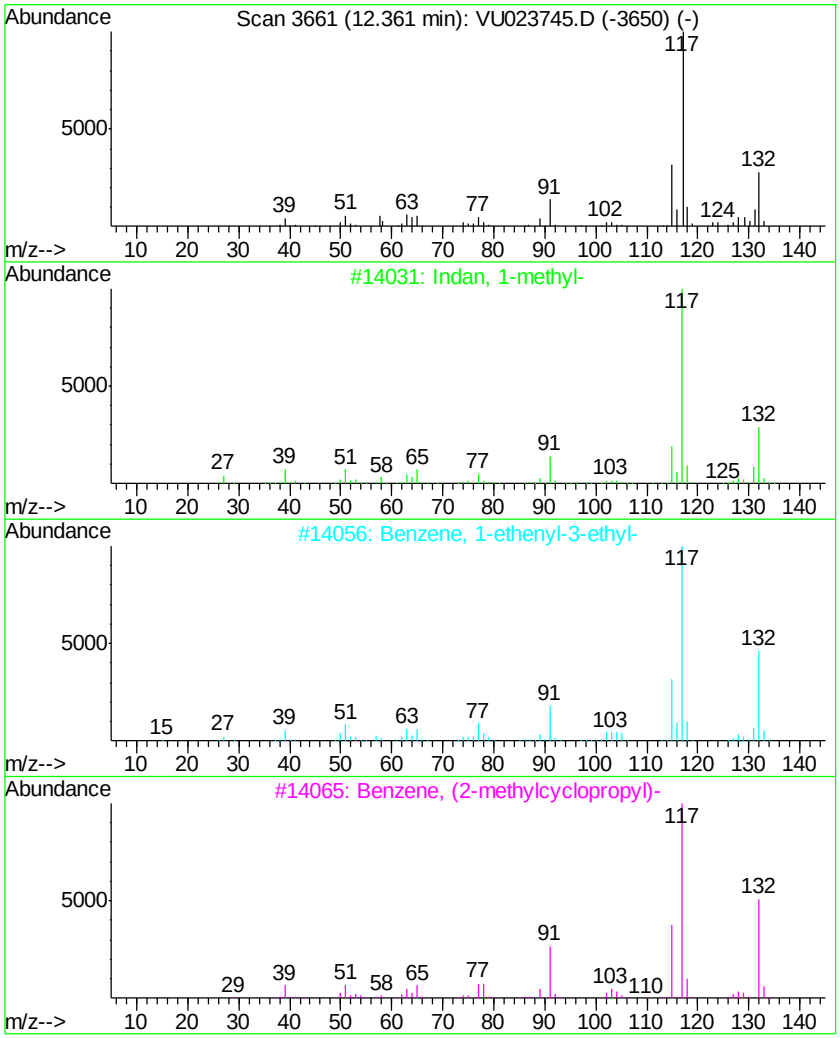
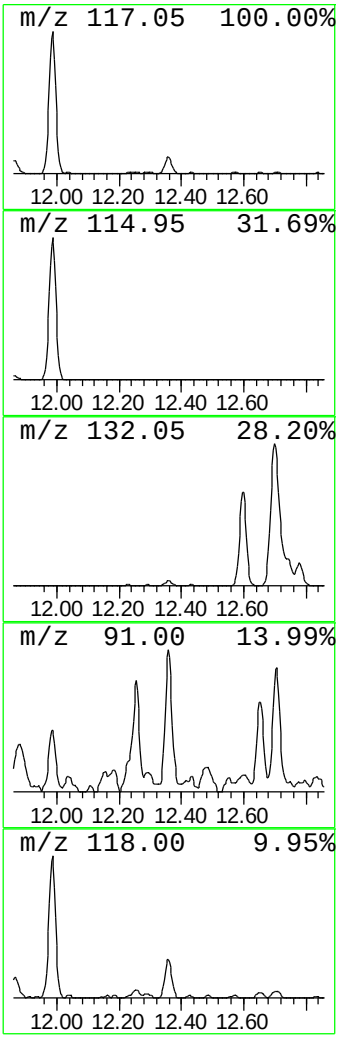
Peak Number 14 Indan, 1-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	5.93 ug/L	135291	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	90
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
3	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	87
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	83
5	Indan, 1-methyl-	132	C10H12	000767-58-8	81





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Acq On : 08 May 2018 19:10
Operator : MD/SY
Sample : J2725-10DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050818WMA.M
Quant Title : VOC Analysis

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

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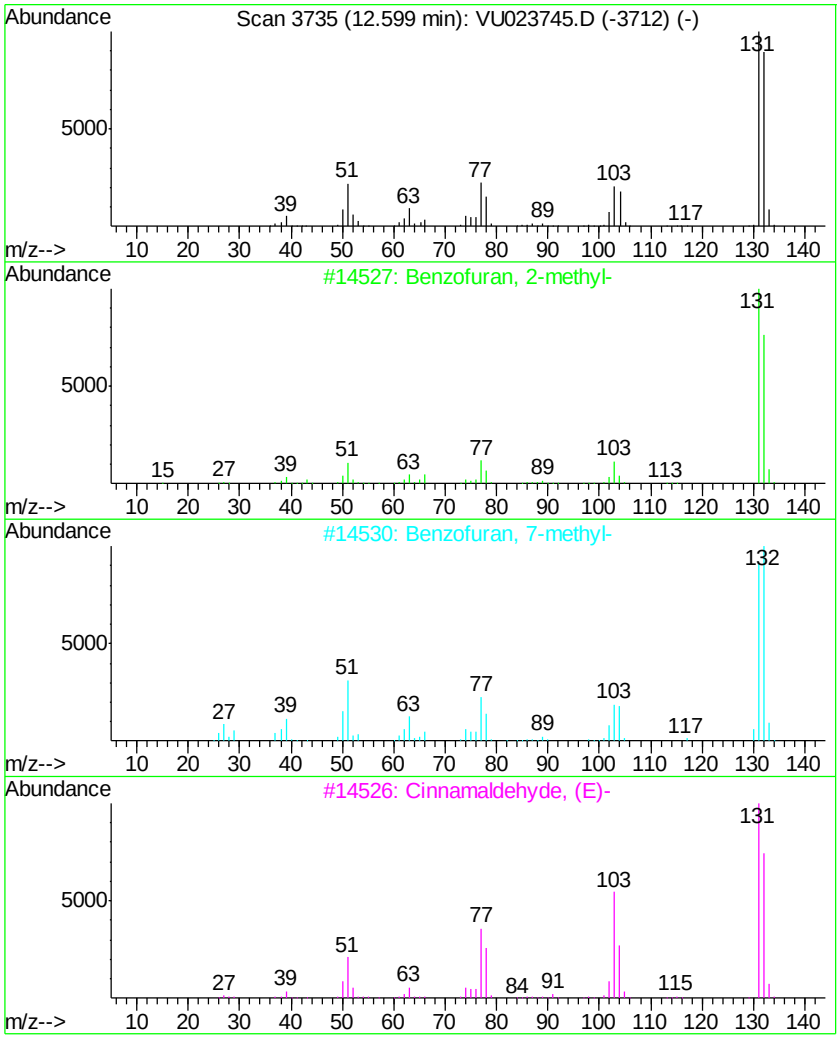
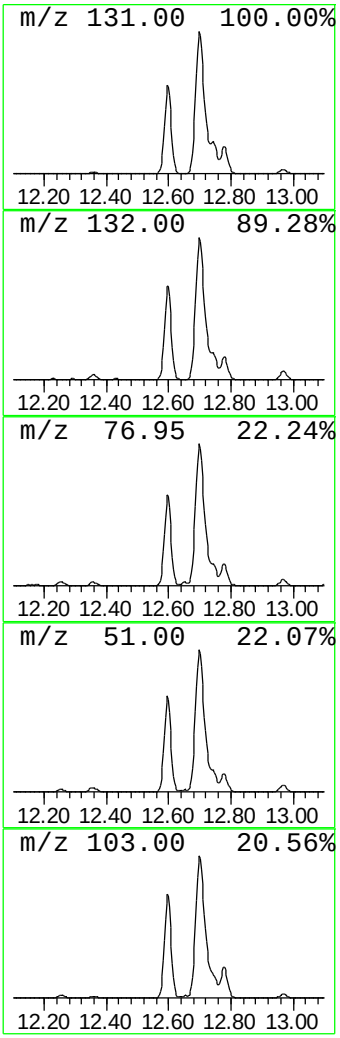
Peak Number 15 Benzofuran, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	46.11 ug/L	1051120	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	94
2	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	94
3	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	91
4	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
5	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91





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Acq On : 08 May 2018 19:10
Operator : MD/SY
Sample : J2725-10DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050818WMA.M
Quant Title : VOC Analysis

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

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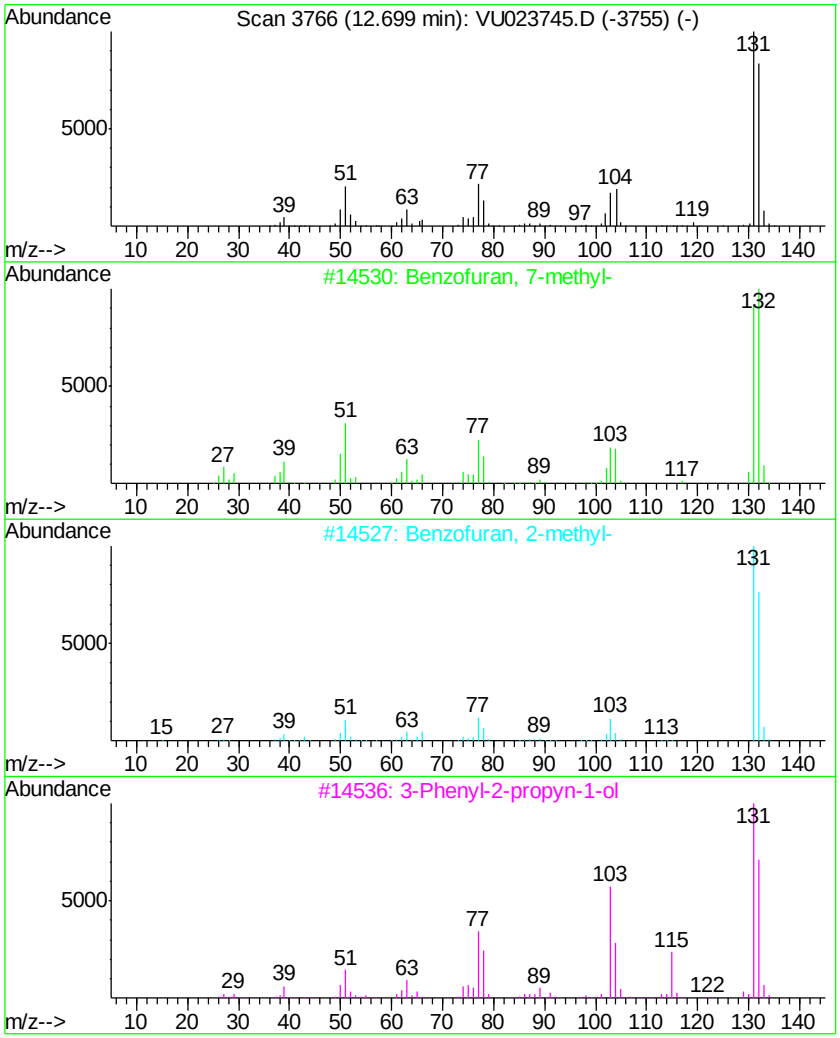
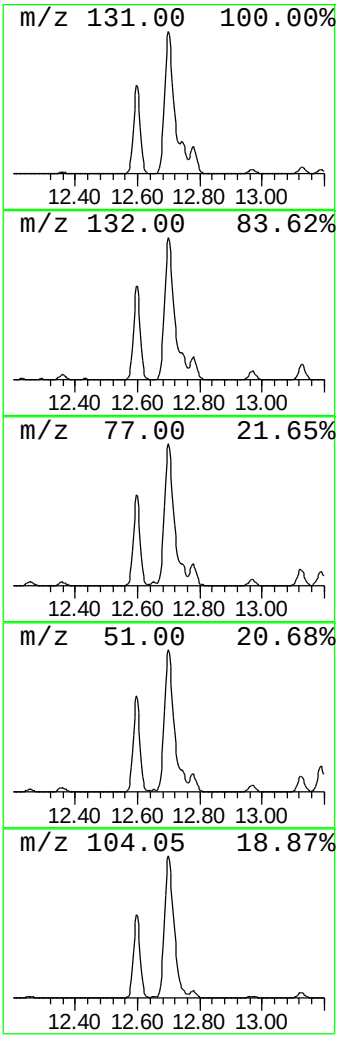
Peak Number 16 Benzofuran, 7-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	93.26 ug/L	2126040	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	94
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	94
3	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	91
4	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	91
5	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91





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Acq On : 08 May 2018 19:10
Operator : MD/SY
Sample : J2725-10DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050818WMA.M
Quant Title : VOC Analysis

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

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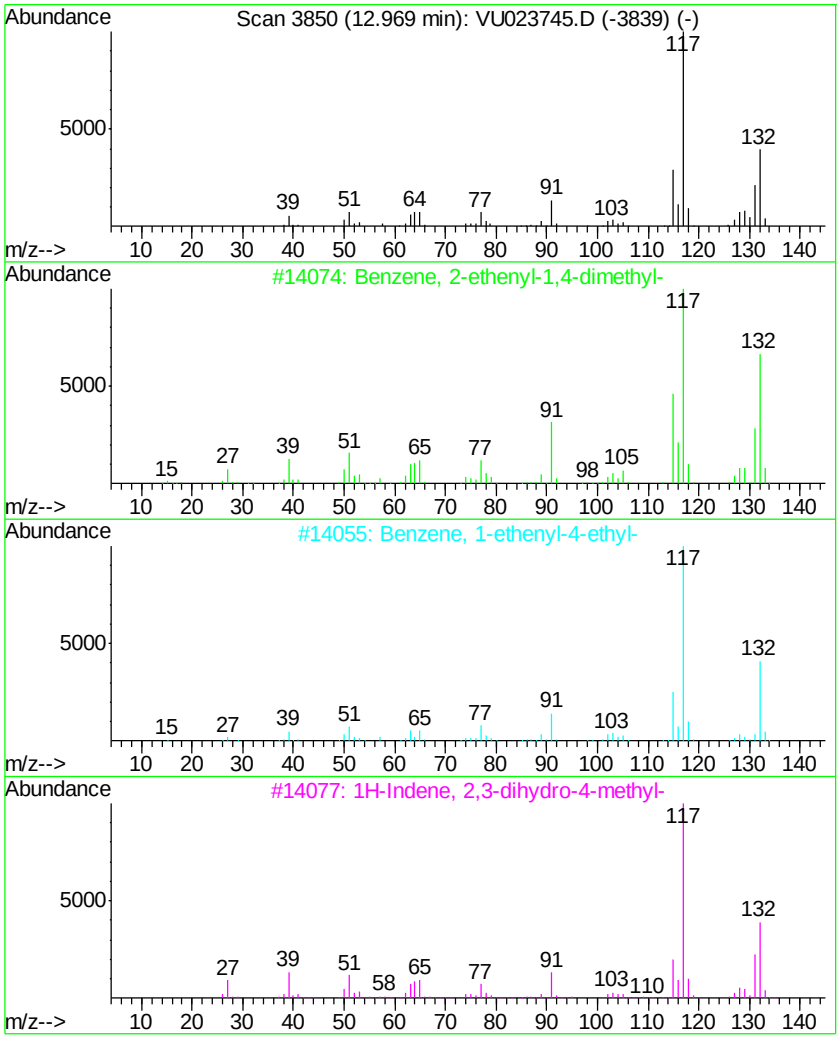
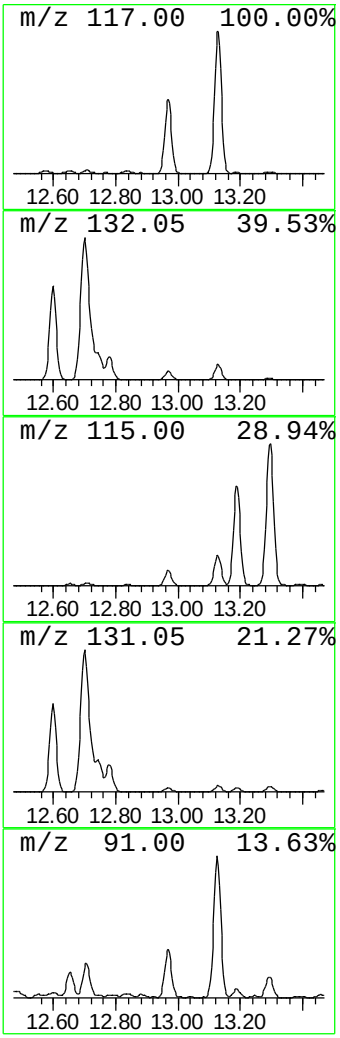
Peak Number 18 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	8.51 ug/L	193979	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	96
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	91
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87





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Acq On : 08 May 2018 19:10
Operator : MD/SY
Sample : J2725-10DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050818WMA.M
Quant Title : VOC Analysis

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

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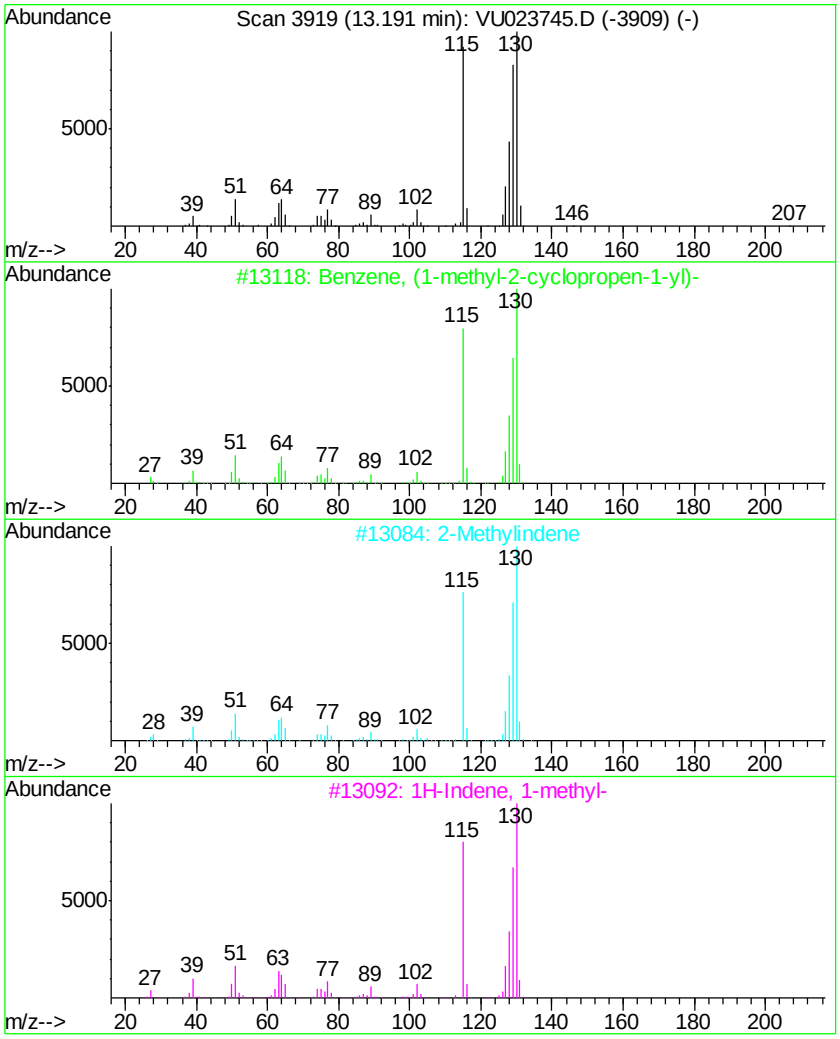
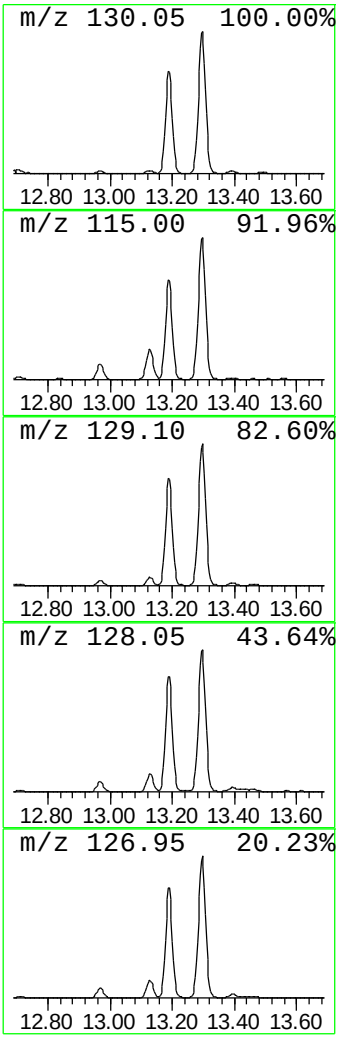
Peak Number 20 Benzene, (1-methyl-2-cyclop... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	25.20 ug/L	574394	1,4-Dichlorobenzene-d4	11.49

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





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Acq On : 08 May 2018 19:10
Operator : MD/SY
Sample : J2725-10DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050818WMA.M
Quant Title : VOC Analysis

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

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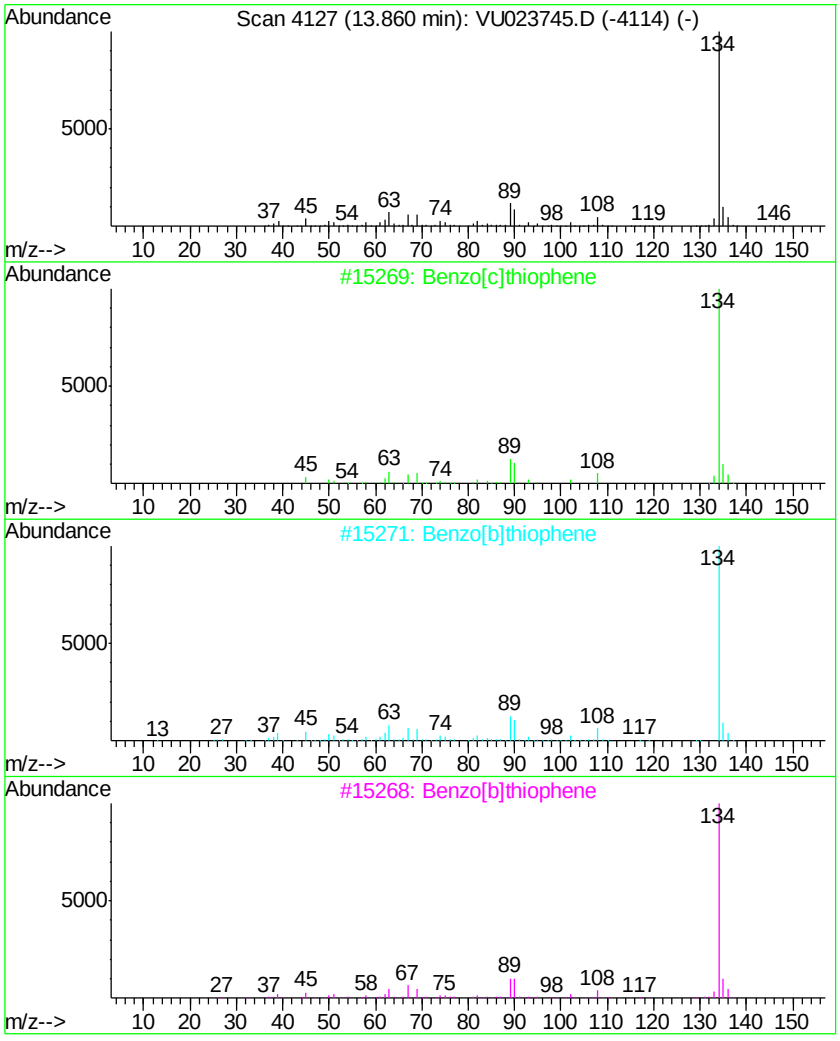
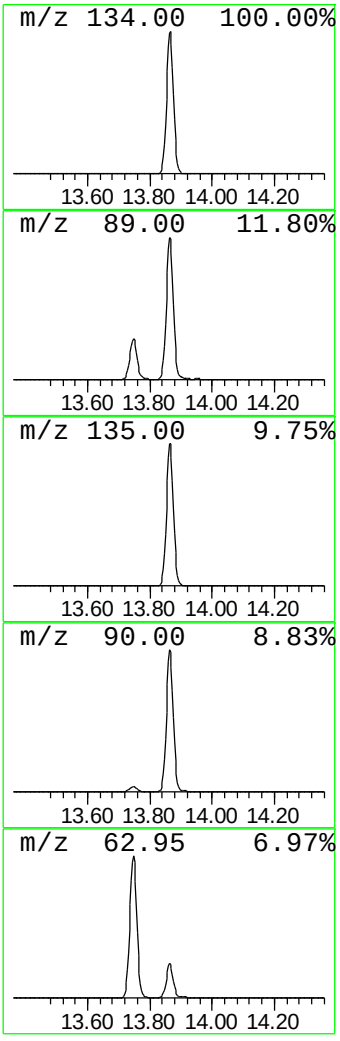
Peak Number 23 Benzo[c]thiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	154.32 ug/L	3517880	1,4-Dichlorobenzene-d4	11.49

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





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Acq On : 08 May 2018 19:10
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Sample : J2725-10DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050818WMA.M
Quant Title : VOC Analysis

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

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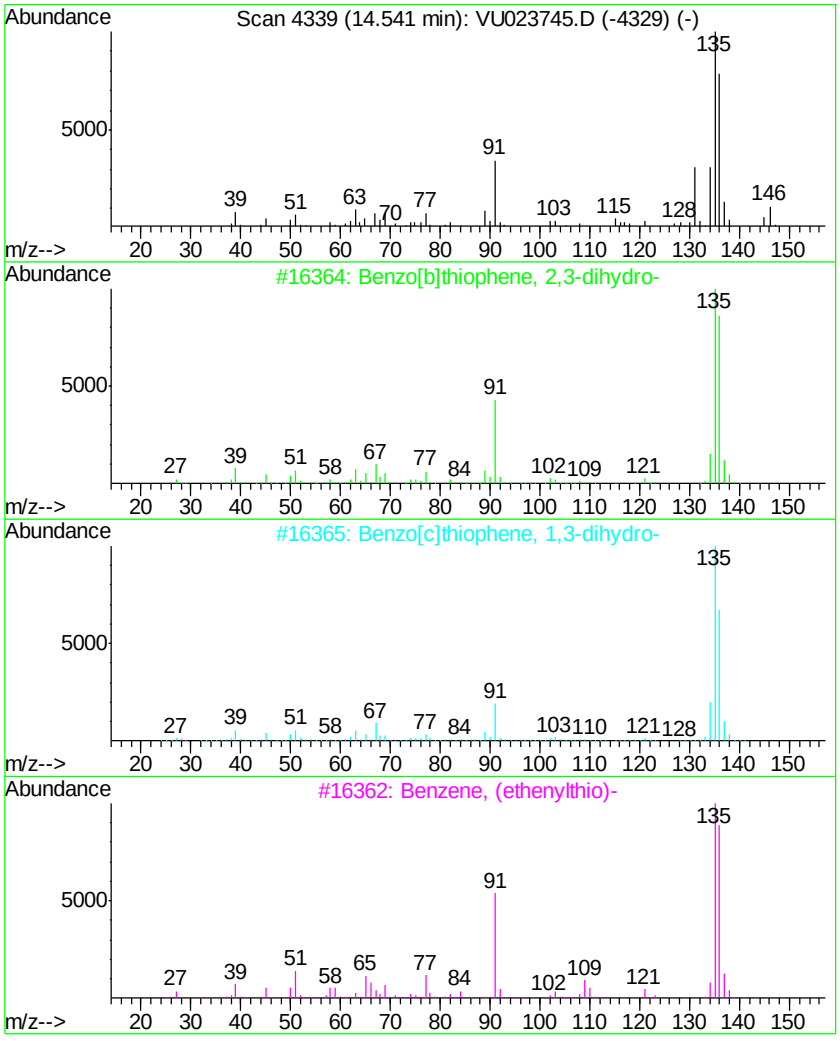
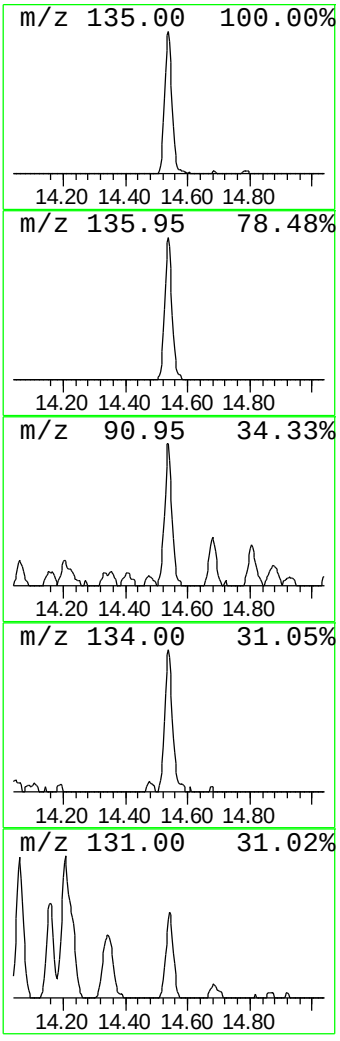
Peak Number 24 Benzo[b]thiophene, 2,3-dihy... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	3.11 ug/L	70993	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 2,3-dihydro-	136	C8H8S	004565-32-6	76
2	Benzo[c]thiophene, 1,3-dihydro-	136	C8H8S	002471-92-3	76
3	Benzene, (ethenylthio)-	136	C8H8S	001822-73-7	62
4	Benzo[b]thiophene, 2,3-dihydro-	136	C8H8S	004565-32-6	60
5	Benzaldehyde, 2-hydroxy-4-methyl-	136	C8H8O2	000698-27-1	58





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Sample : J2725-10DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050818WMA.M
Quant Title : VOC Analysis

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

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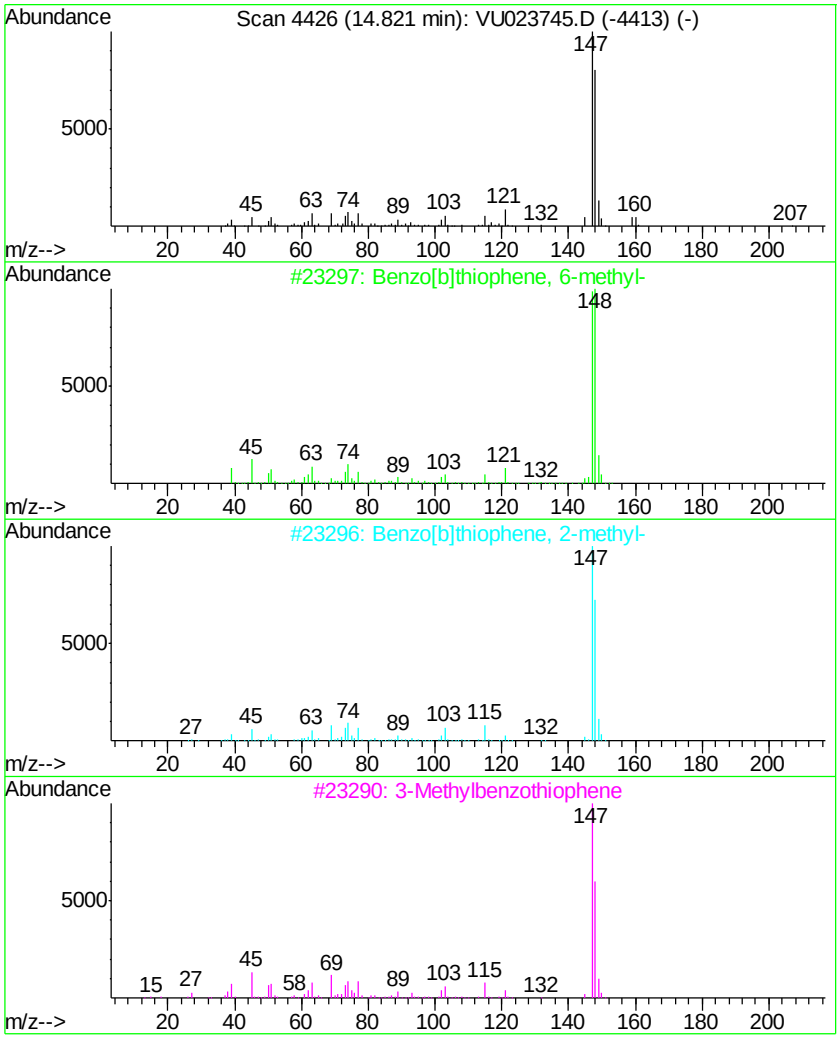
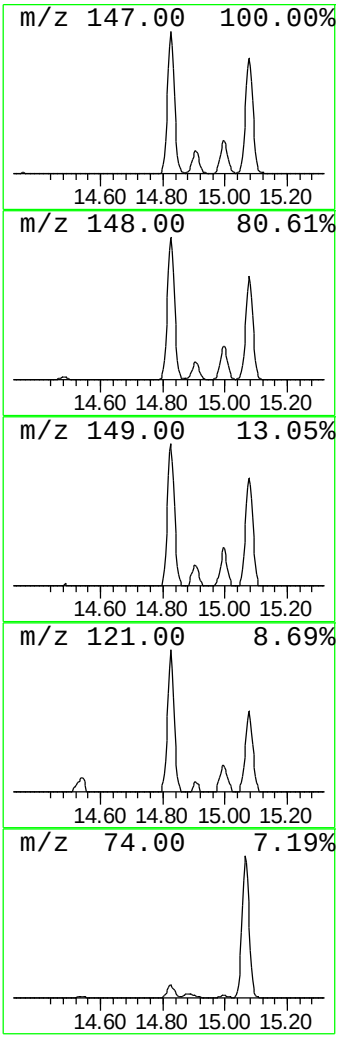
Peak Number 25 Benzo[b]thiophene, 6-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	8.88 ug/L	202448	1,4-Dichlorobenzene-d4	11.49

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





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Acq On : 08 May 2018 19:10
Operator : MD/SY
Sample : J2725-10DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050818WMA.M
Quant Title : VOC Analysis

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

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Peak Number 27 Naphthalene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	192.00 ug/L	4376830	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
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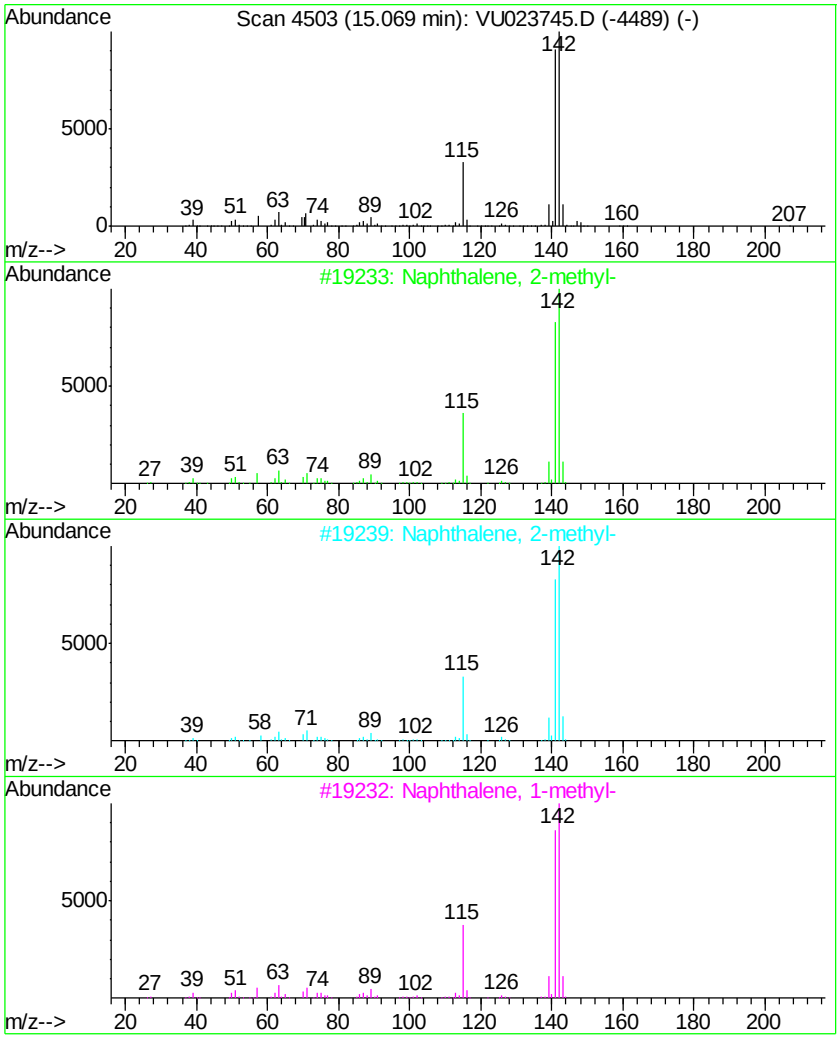
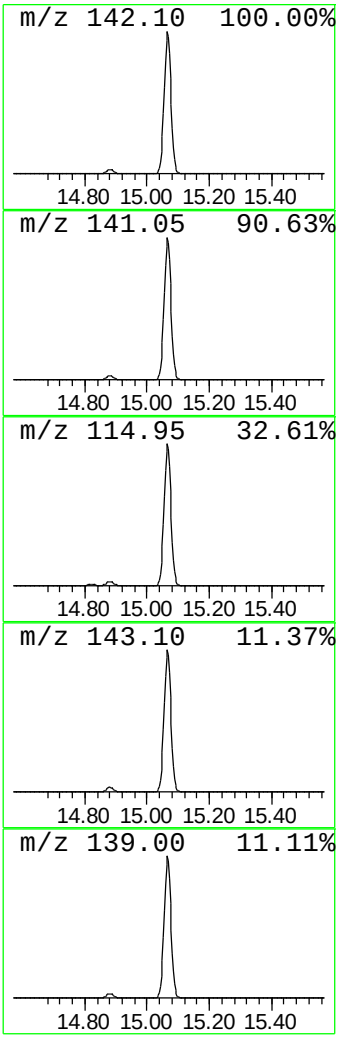
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





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Sample : J2725-10DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050818WMA.M
Quant Title : VOC Analysis

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

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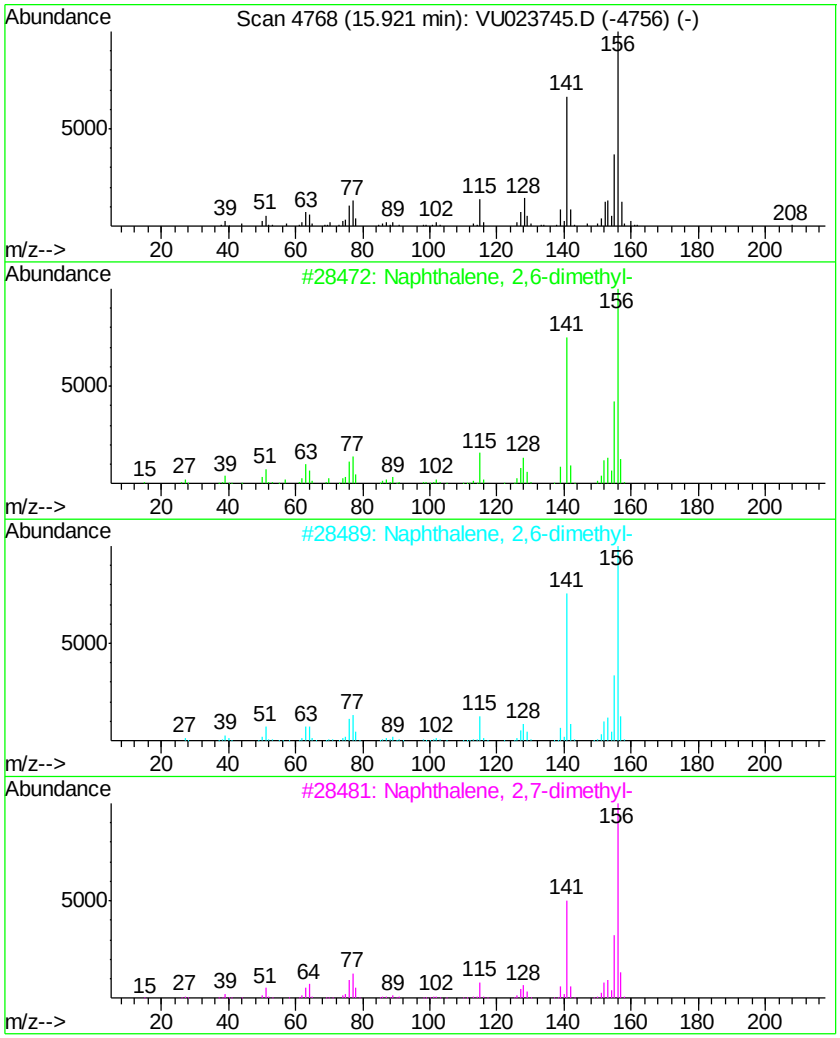
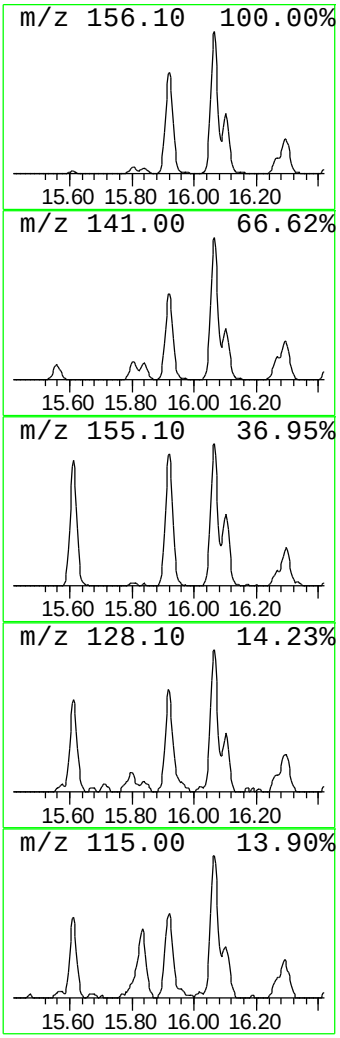
Peak Number 29 Naphthalene, 2,6-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	8.20 ug/L	187038	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, 2,6-dimethyl-	156	C12H12	000581-42-0	98
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97





Data Path : W:\HPCHEM1\MSVOA_U\Data\VU050818\
Data File : VU023745.D
Acq On : 08 May 2018 19:10
Operator : MD/SY
Sample : J2725-10DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050818WMA.M
Quant Title : VOC Analysis

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

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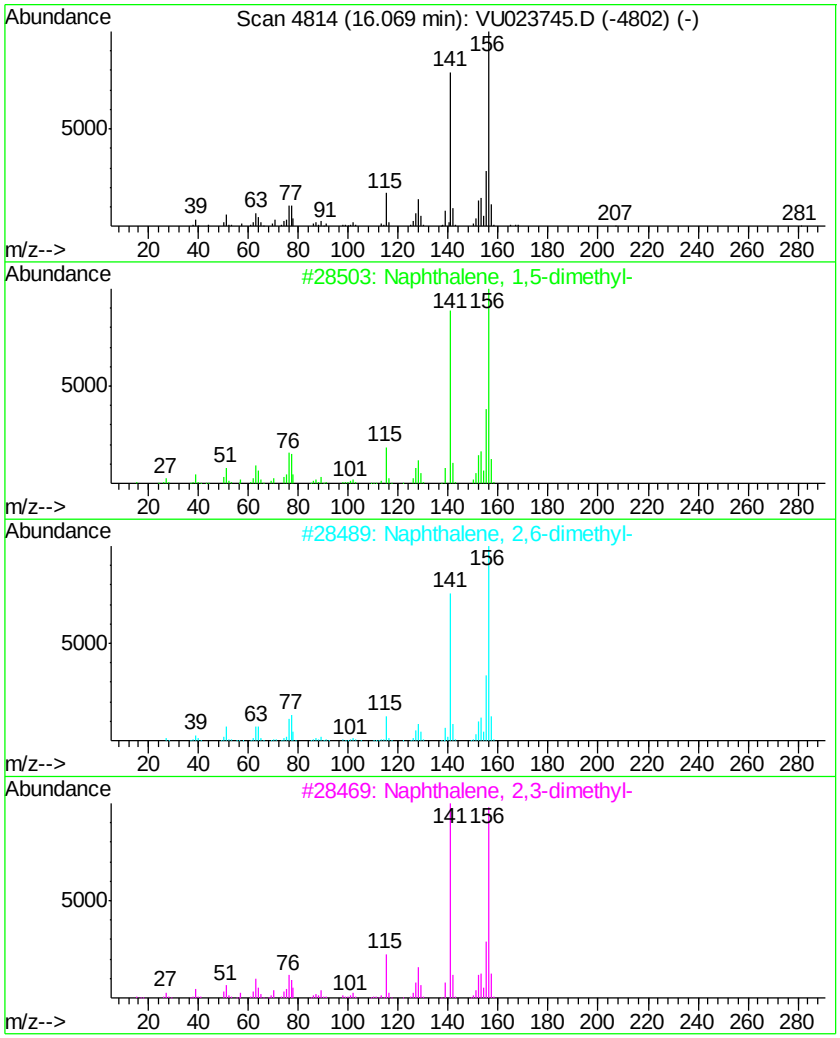
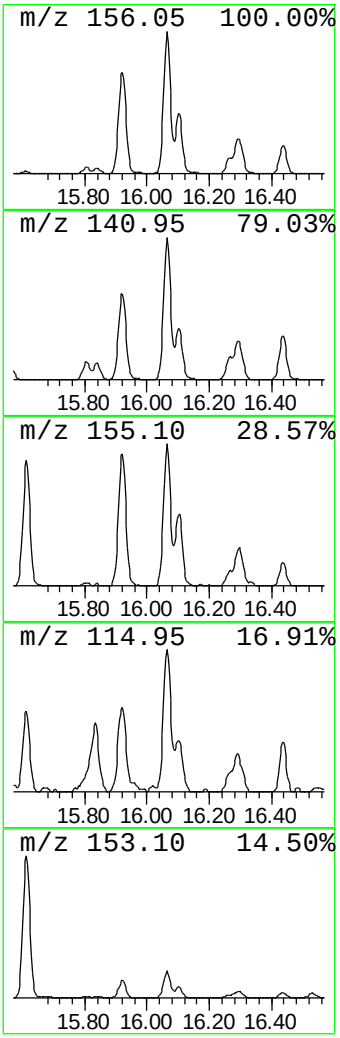
Peak Number 30 Naphthalene, 1,5-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.07	10.33 ug/L	235440	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, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





Tentatively Identified Compound (LSC) summary

Data Path : W:\HPCHEM1\MSVOA_U\Data\VU050818\
Data File : VU023745.D
Acq On : 08 May 2018 19:10
Operator : MD/SY
Sample : J2725-10DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050818WMA.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
Sulfur dioxide	1.30	5.6	ug/L	91040	1	5.89	815308	50.0
Benzene, 1-ethyl-...	10.69	8.9	ug/L	202003	3	11.49	1139800	50.0
Benzene, 1,2,3-tr...	10.78	8.2	ug/L	186137	3	11.49	1139800	50.0
Benzene, 1-etheny...	11.22	4.7	ug/L	106813	3	11.49	1139800	50.0
Benzofuran	11.40	27.1	ug/L	617846	3	11.49	1139800	50.0
Indane	11.77	254.3	ug/L	5798010	3	11.49	1139800	50.0
Indene	11.99	527.0	ug/L	12013700	3	11.49	1139800	50.0
Benzene, 4-ethyl-...	12.26	3.6	ug/L	82207	3	11.49	1139800	50.0
Indan, 1-methyl-	12.36	5.9	ug/L	135291	3	11.49	1139800	50.0
Benzofuran, 2-met...	12.60	46.1	ug/L	1051120	3	11.49	1139800	50.0
Benzofuran, 7-met...	12.70	93.3	ug/L	2126040	3	11.49	1139800	50.0
Benzene, 2-etheny...	12.97	8.5	ug/L	193979	3	11.49	1139800	50.0
Benzene, (1-methy...	13.19	25.2	ug/L	574394	3	11.49	1139800	50.0
Benzo[c]thiophene	13.86	154.3	ug/L	3517880	3	11.49	1139800	50.0
Benzo[b]thiophene...	14.54	3.1	ug/L	70993	3	11.49	1139800	50.0
Benzo[b]thiophene...	14.82	8.9	ug/L	202448	3	11.49	1139800	50.0
Naphthalene, 1-me...	15.07	192.0	ug/L	4376830	3	11.49	1139800	50.0
Naphthalene, 2,6-...	15.92	8.2	ug/L	187038	3	11.49	1139800	50.0
Naphthalene, 1,5-...	16.07	10.3	ug/L	235440	3	11.49	1139800	50.0