LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072318\
Data File : VU025611.D
Acq On : 23 Jul 2018 19:04
Operator : MD/SY
Sample : J4072-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JJ1T3

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\SOMULM072018WMA.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	1.089	137	155	175	rBV	492929	533232	1.13%	0.804%
2	1.400	245	252	264	rBV	98199	103191	0.22%	0.156%
3	1.474	270	275	284	rVB	9519	10640	0.02%	0.016%
4	1.683	332	340	354	rVB	84724	108676	0.23%	0.164%
5	2.275	513	524	533	rBV	192572	293714	0.62%	0.443%
6	2.323	534	539	550	rVB	22140	32661	0.07%	0.049%
7	2.449	573	578	580	rBV2	2404	2562	0.01%	0.004%
8	2.571	611	616	618	rBV3	479	476	0.00%	0.001%
9	2.622	624	632	641	rVB	3842	6336	0.01%	0.010%
10	2.706	648	658	669	rVB	10441	18922	0.04%	0.029%
11	2.828	693	696	700	rVV4	923	838	0.00%	0.001%
12	2.924	719	726	728	rBV2	440	401	0.00%	0.001%
13	3.397	870	873	876	rVB	638	435	0.00%	0.001%
14	3.416	876	879	883	rBV2	491	436	0.00%	0.001%
15	3.619	936	942	945	rBV	599	584	0.00%	0.001%
16	4.178	1099	1116	1136	rBV2	97312	253570	0.54%	0.382%
17	4.654	1245	1264	1284	rBV	175275	412607	0.87%	0.622%
18	4.889	1328	1337	1346	rVB4	972	1660	0.00%	0.003%
19	5.346	1454	1479	1505	rBV2	333386	993331	2.10%	1.498%
20	5.551	1529	1543	1569	rVB	89376	185943	0.39%	0.280%
21	5.744	1597	1603	1606	rBV2	337	382	0.00%	0.001%
22	5.889	1632	1648	1667	rBV	378226	767568	1.62%	1.158%
23	6.336	1773	1787	1804	rBV	228955	454126	0.96%	0.685%
24	6.532	1837	1848	1855	rBV	4192	7887	0.02%	0.012%
25	6.709	1891	1903	1922	rBV	125756	223057	0.47%	0.336%
26	6.821	1935	1938	1940	rBV3	789	444	0.00%	0.001%
27	7.230	2051	2065	2082	rBV2	133482	236228	0.50%	0.356%
28	7.426	2116	2126	2132	rBV3	4868	8059	0.02%	0.012%
29	7.571	2157	2171	2187	rBV	472004	814603	1.72%	1.229%
30	7.699	2208	2211	2212	rBV2	653	390	0.00%	0.001%
31	7.760	2227	2230	2242	rVB6	2305	4071	0.01%	0.006%
32	7.854	2247	2259	2276	rBV2	97401	166422	0.35%	0.251%
33	8.185	2344	2362	2370	rBV3	11770	29041	0.06%	0.044%
34	8.313	2392	2402	2424	rVB	343847	572648	1.21%	0.864%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072318\
Data File : VU025611.D
Acq On : 23 Jul 2018 19:04
Operator : MD/SY
Sample : J4072-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JJ1T3

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\SOMULM072018WMA.M
Title : VOC Analysis

35	8.419	2425	2435	2449	rVB	59830	93308	0.20%	0.141%
36	8.526	2459	2468	2483	rVB2	14610	24651	0.05%	0.037%
37	8.603	2488	2492	2495	rVB3	602	471	0.00%	0.001%
38	8.841	2562	2566	2569	rBV	602	490	0.00%	0.001%
39	8.908	2576	2587	2602	rVB	66879	103147	0.22%	0.156%
40	9.091	2629	2644	2674	rBV	539937	893555	1.89%	1.348%
41	9.252	2684	2694	2706	rVB	40077	62623	0.13%	0.094%
42	9.381	2721	2734	2742	rVV	16068	25818	0.05%	0.039%
43	9.667	2820	2823	2826	rBV	519	398	0.00%	0.001%
44	9.734	2841	2844	2846	rBV3	814	492	0.00%	0.001%
45	9.783	2849	2859	2871	rVB	29876	48283	0.10%	0.073%
46	9.921	2898	2902	2905	rBV3	623	515	0.00%	0.001%
47	10.079	2947	2951	2954	rBV3	525	449	0.00%	0.001%
48	10.169	2969	2979	2988	rBV2	7571	11817	0.03%	0.018%
49	10.435	3049	3062	3075	rBV	341448	540977	1.14%	0.816%
50	10.615	3103	3118	3129	rBV3	2984	6419	0.01%	0.010%
51	10.693	3133	3142	3143	rBV4	2341	3172	0.01%	0.005%
52	10.773	3160	3167	3175	rVV4	3690	5070	0.01%	0.008%
53	10.889	3195	3203	3206	rBV3	462	755	0.00%	0.001%
54	10.976	3222	3230	3238	rBV2	6879	9536	0.02%	0.014%
55	11.152	3276	3285	3298	rVB2	22523	33775	0.07%	0.051%
56	11.210	3298	3303	3307	rBV3	616	651	0.00%	0.001%
57	11.403	3350	3363	3377	rBV	87403	140400	0.30%	0.212%
58	11.487	3377	3389	3407	rVV	618979	962546	2.04%	1.452%
59	11.574	3407	3416	3427	rVB	16215	25033	0.05%	0.038%
60	11.628	3427	3433	3439	rVB5	1444	1895	0.00%	0.003%
61	11.657	3439	3442	3447	rBV4	480	446	0.00%	0.001%
62	11.689	3447	3452	3454	rBV2	464	462	0.00%	0.001%
63	11.770	3464	3477	3493	rBV	380946	601219	1.27%	0.907%
64	11.863	3494	3506	3521	rVB	552463	871060	1.84%	1.314%
65	11.985	3532	3544	3562	rBV	199005	315355	0.67%	0.476%
66	12.059	3562	3567	3574	rVB3	3397	3710	0.01%	0.006%
67	12.149	3587	3595	3600	rBV4	7255	11098	0.02%	0.017%
68	12.255	3620	3628	3635	rBV	18337	24579	0.05%	0.037%
69	12.358	3648	3660	3681	rBV	74958	121321	0.26%	0.183%
70	12.480	3692	3698	3708	rVB9	4157	6627	0.01%	0.010%
71	12.596	3727	3734	3744	rVB2	65946	97658	0.21%	0.147%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072318\
Data File : VU025611.D
Acq On : 23 Jul 2018 19:04
Operator : MD/SY
Sample : J4072-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JJ1T3

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\SOMULM072018WMA.M
Title : VOC Analysis

72	12.651	3744	3751	3757	rBV	19154	26763	0.06%	0.040%
73	12.702	3757	3767	3785	rVB2	119454	248004	0.52%	0.374%
74	12.885	3817	3824	3832	rBV6	4653	7927	0.02%	0.012%
75	12.966	3841	3849	3865	rVB2	26697	41133	0.09%	0.062%
76	13.127	3881	3899	3909	rBV2	99520	167832	0.36%	0.253%
77	13.188	3909	3918	3929	rVB	39601	63228	0.13%	0.095%
78	13.233	3930	3932	3933	rBV2	875	391	0.00%	0.001%
79	13.294	3940	3951	3961	rBV3	65545	107598	0.23%	0.162%
80	13.461	3995	4003	4010	rBV3	14498	23400	0.05%	0.035%
81	13.512	4012	4019	4026	rVV5	14928	20852	0.04%	0.031%
82	13.754	4077	4094	4114	rBV2	28781514	47250112	100.00%	71.267%
83	13.863	4117	4128	4139	rBV	855009	1336599	2.83%	2.016%
84	14.008	4166	4173	4183	rVB3	23892	38380	0.08%	0.058%
85	14.156	4210	4219	4225	rBV2	18809	29051	0.06%	0.044%
86	14.339	4266	4276	4286	rBV3	27218	54943	0.12%	0.083%
87	14.538	4330	4338	4350	rVB5	38877	69550	0.15%	0.105%
88	14.824	4416	4427	4434	rBV	61376	103378	0.22%	0.156%
89	14.879	4434	4444	4458	rVV	589482	922607	1.95%	1.392%
90	14.995	4473	4480	4489	rVB	16527	25966	0.05%	0.039%
91	15.065	4489	4502	4517	rBV	1387137	2188093	4.63%	3.300%
92	15.609	4661	4671	4684	rVB	198658	307653	0.65%	0.464%
93	15.802	4724	4731	4737	rBV2	32907	47821	0.10%	0.072%
94	15.918	4757	4767	4787	rVB3	80530	158045	0.33%	0.238%
95	16.062	4802	4812	4819	rBV	157098	253745	0.54%	0.383%
96	16.290	4867	4883	4901	rVB	43487	111142	0.24%	0.168%
97	16.432	4920	4927	4936	rVB2	20457	31034	0.07%	0.047%
98	16.538	4954	4960	4970	rVB4	23369	37630	0.08%	0.057%
99	16.741	5011	5023	5045	rBV	773414	1236415	2.62%	1.865%
100	17.043	5109	5117	5129	rVB	58268	96220	0.20%	0.145%

Sum of corrected areas: 66300434

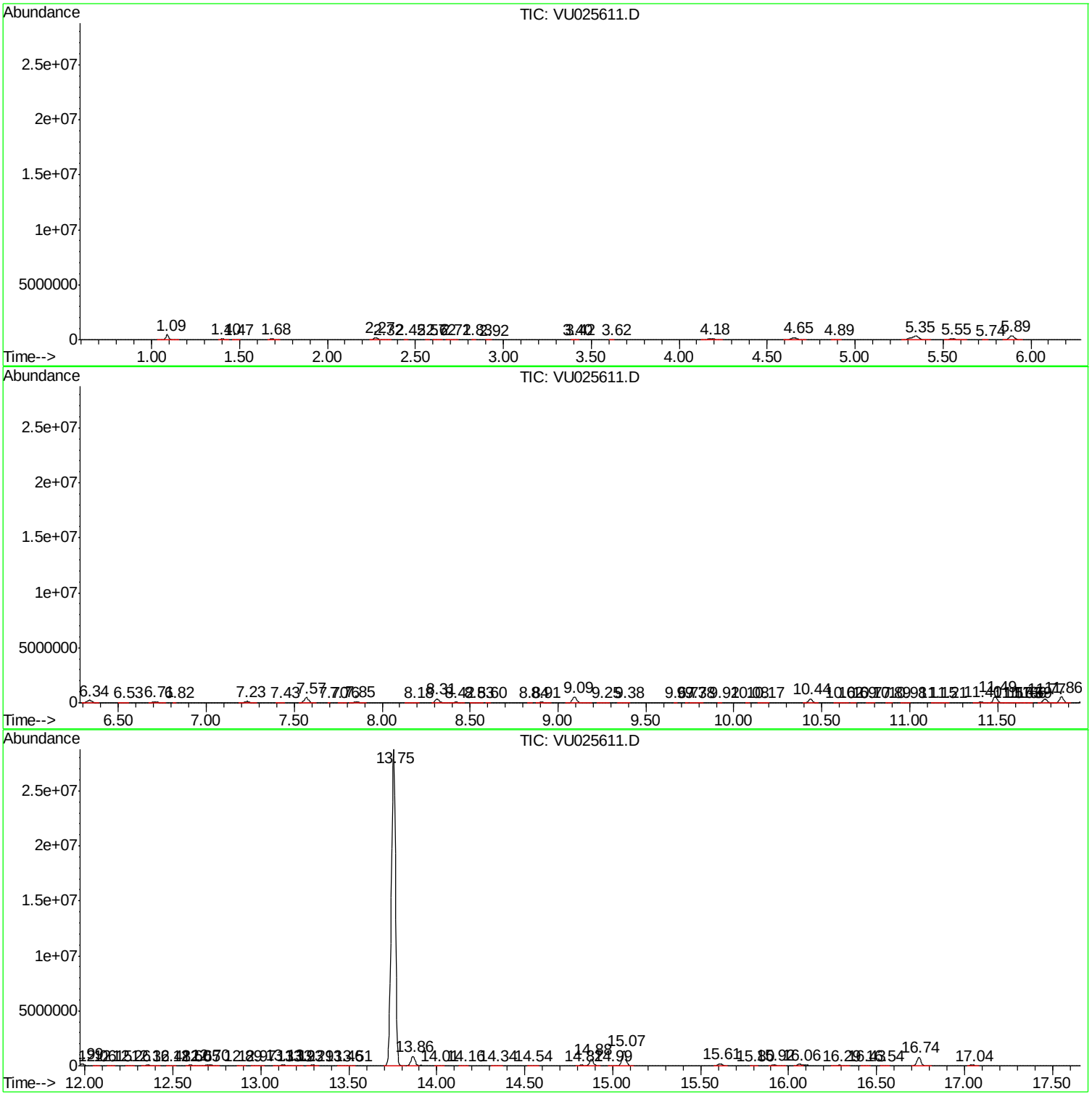
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072318\
Data File : VU025611.D
Acq On : 23 Jul 2018 19:04
Operator : MD/SY
Sample : J4072-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JJ1T3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.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\VU072318\
Data File : VU025611.D
Acq On : 23 Jul 2018 19:04
Operator : MD/SY
Sample : J4072-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JJ1T3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
Quant Title : VOC Analysis

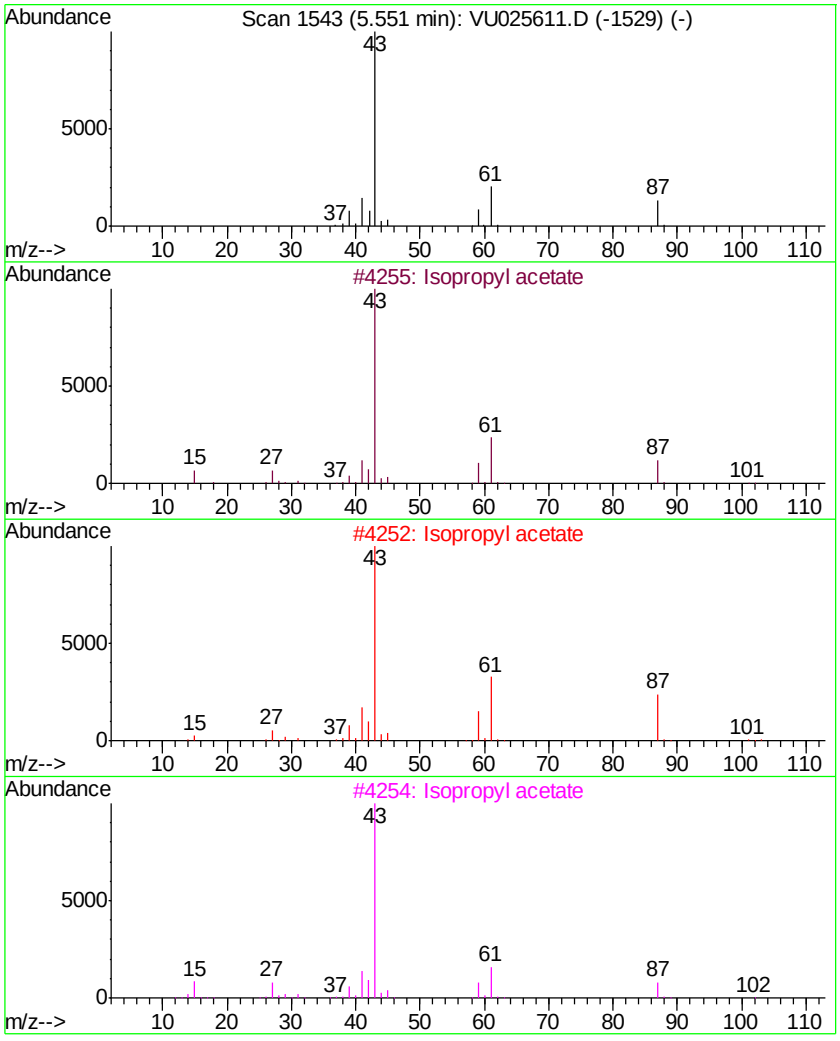
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

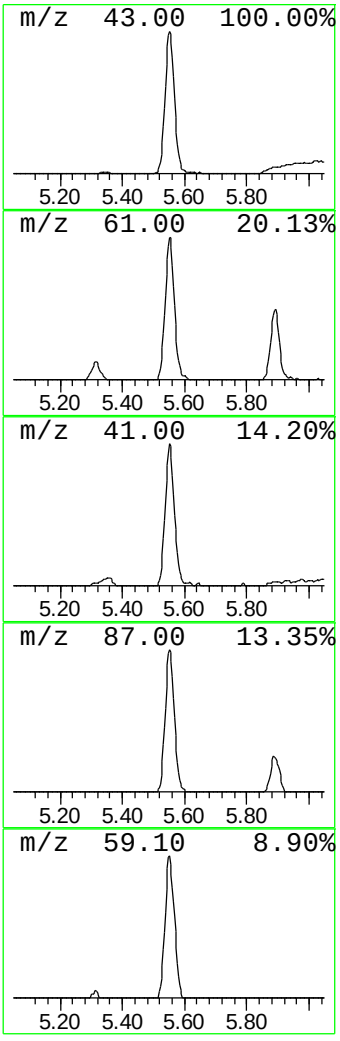
****

Peak Number 2 Isopropyl acetate Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.55	12.11 ug/L	185943	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl acetate	102	C5H10O2	000108-21-4	83
2	Isopropyl acetate	102	C5H10O2	000108-21-4	78
3	Isopropyl acetate	102	C5H10O2	000108-21-4	74
4	Propane, 1-(1-methylethoxy)-	102	C6H14O	000627-08-7	17
5	1,1-Ethanediol, diacetate	146	C6H10O4	000542-10-9	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072318\
Data File : VU025611.D
Acq On : 23 Jul 2018 19:04
Operator : MD/SY
Sample : J4072-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JJ1T3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
Quant Title : VOC Analysis

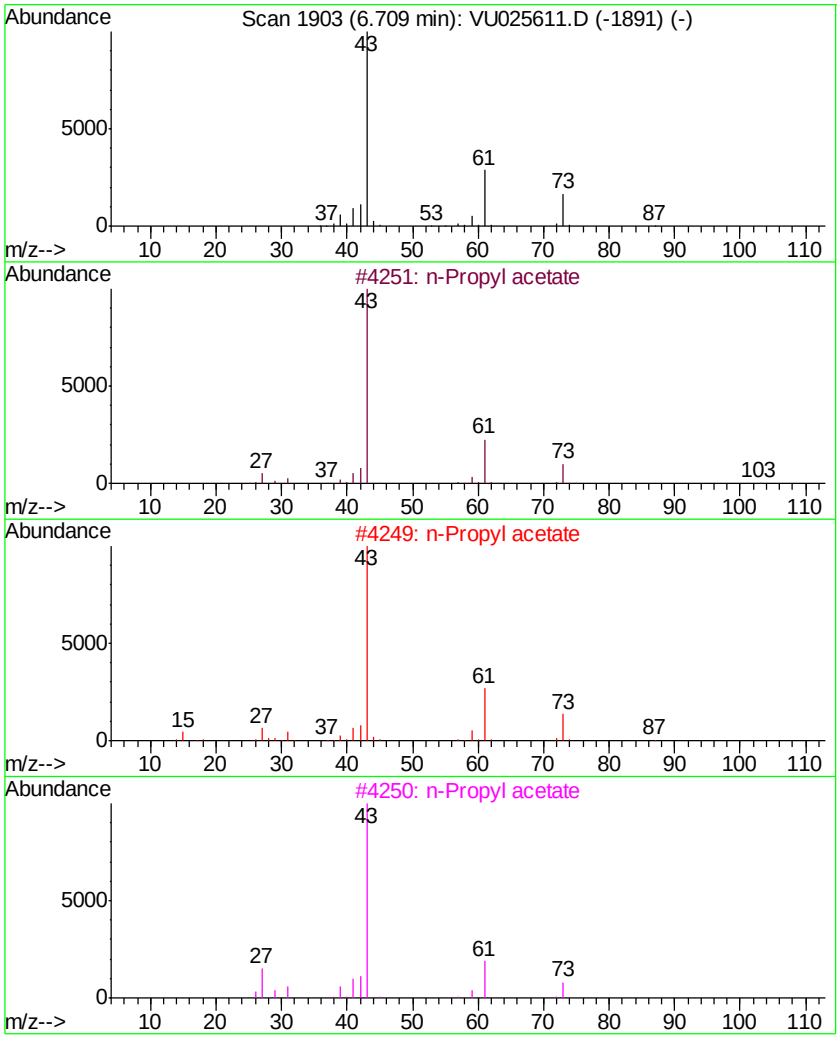
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

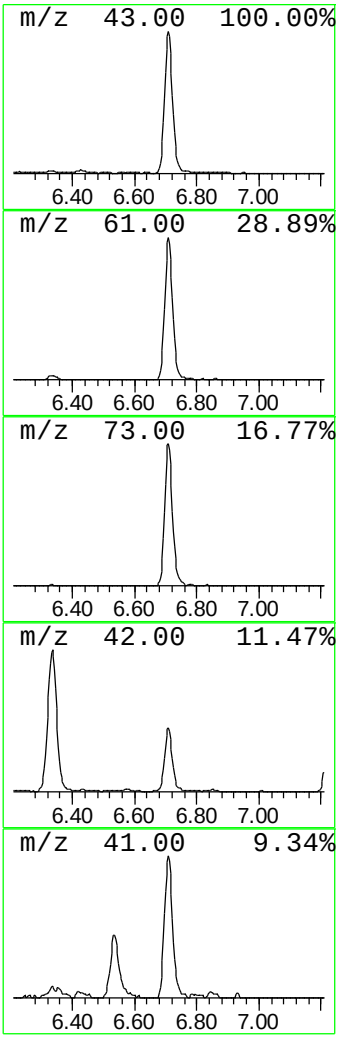
****

Peak Number 3 n-Propyl acetate Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.71	14.53 ug/L	223057	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Propyl acetate	102	C5H10O2	000109-60-4	83
2	n-Propyl acetate	102	C5H10O2	000109-60-4	83
3	n-Propyl acetate	102	C5H10O2	000109-60-4	78
4	Isobutyl acetate	116	C6H12O2	000110-19-0	9
5	Propanal, 2,3-dihydroxy-, (S)-	90	C3H6O3	000497-09-6	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072318\
Data File : VU025611.D
Acq On : 23 Jul 2018 19:04
Operator : MD/SY
Sample : J4072-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JJ1T3

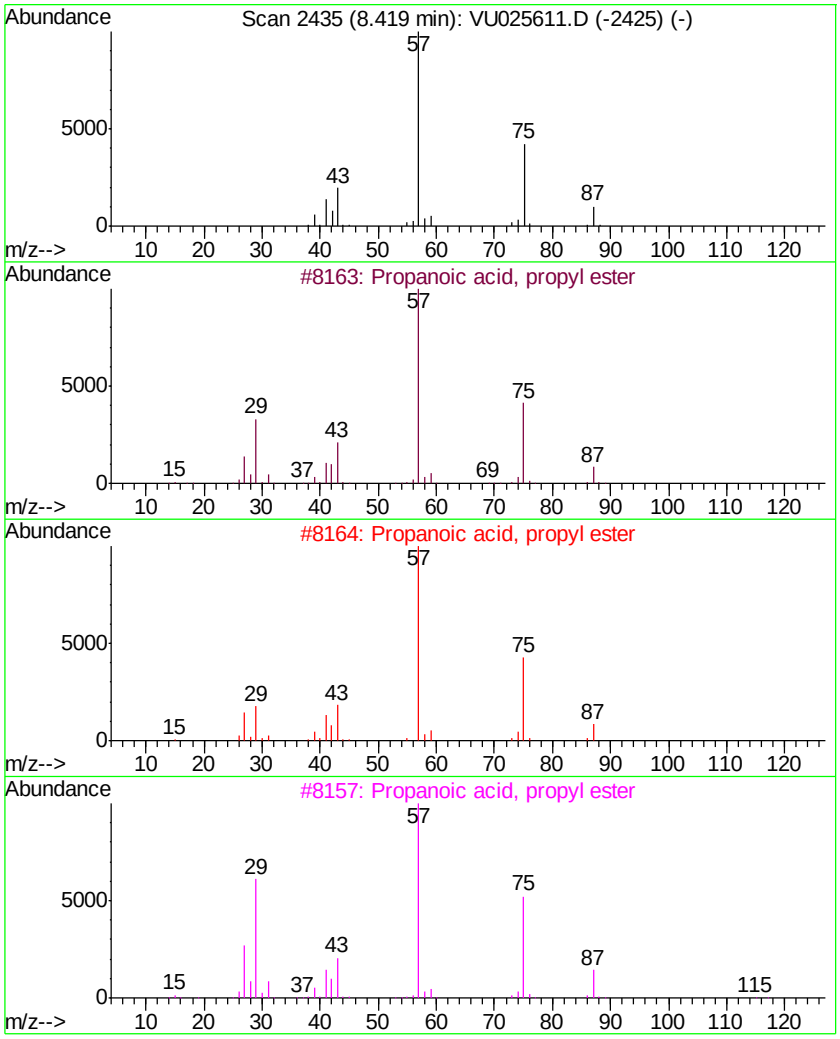
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
Quant Title : VOC Analysis

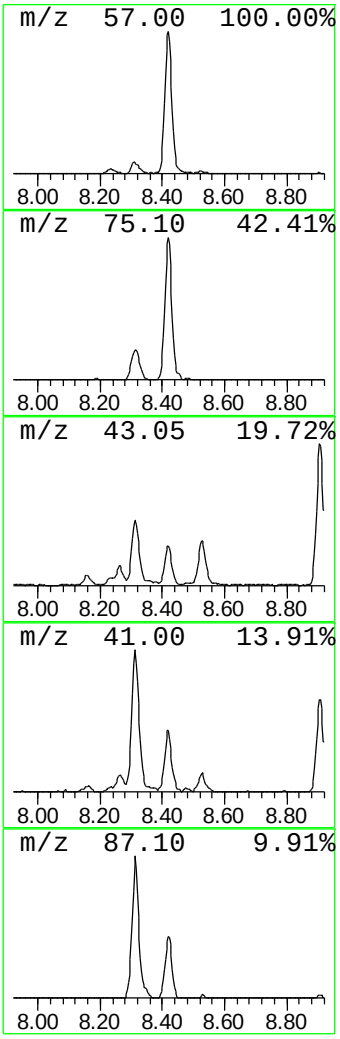
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Propanoic acid, propyl ester Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.42	5.22 ug/L	93308	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	83
2	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	83
3	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	83
4	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	83
5	Propanoic acid, butyl ester	130	C7H14O2	000590-01-2	33





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072318\
Data File : VU025611.D
Acq On : 23 Jul 2018 19:04
Operator : MD/SY
Sample : J4072-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JJ1T3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
Quant Title : VOC Analysis

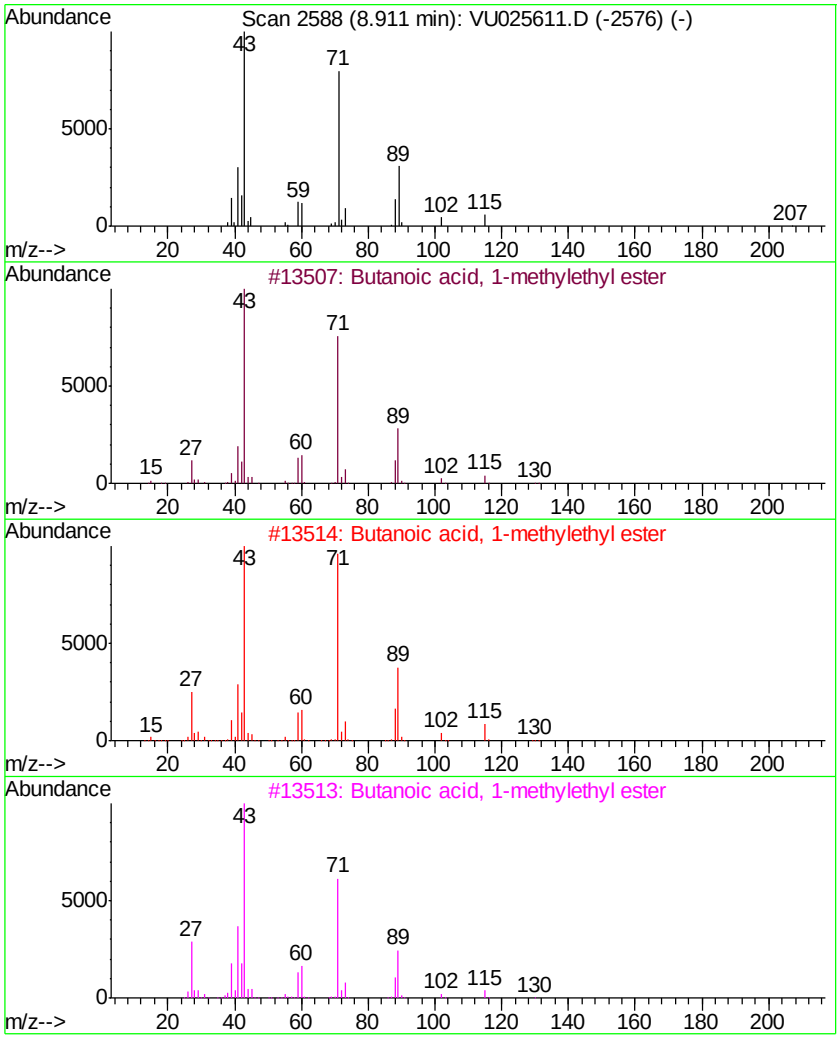
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

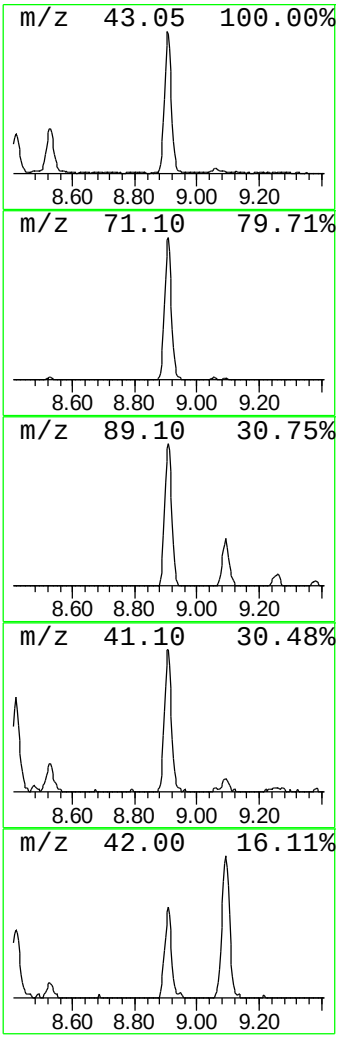
****

Peak Number 6 Butanoic acid, 1-methylethy... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.91	5.77 ug/L	103147	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	90
2	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	90
3	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	83
4	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	83
5	Butanoic acid, propyl ester	130	C7H14O2	000105-66-8	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072318\
Data File : VU025611.D
Acq On : 23 Jul 2018 19:04
Operator : MD/SY
Sample : J4072-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JJ1T3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
Quant Title : VOC Analysis

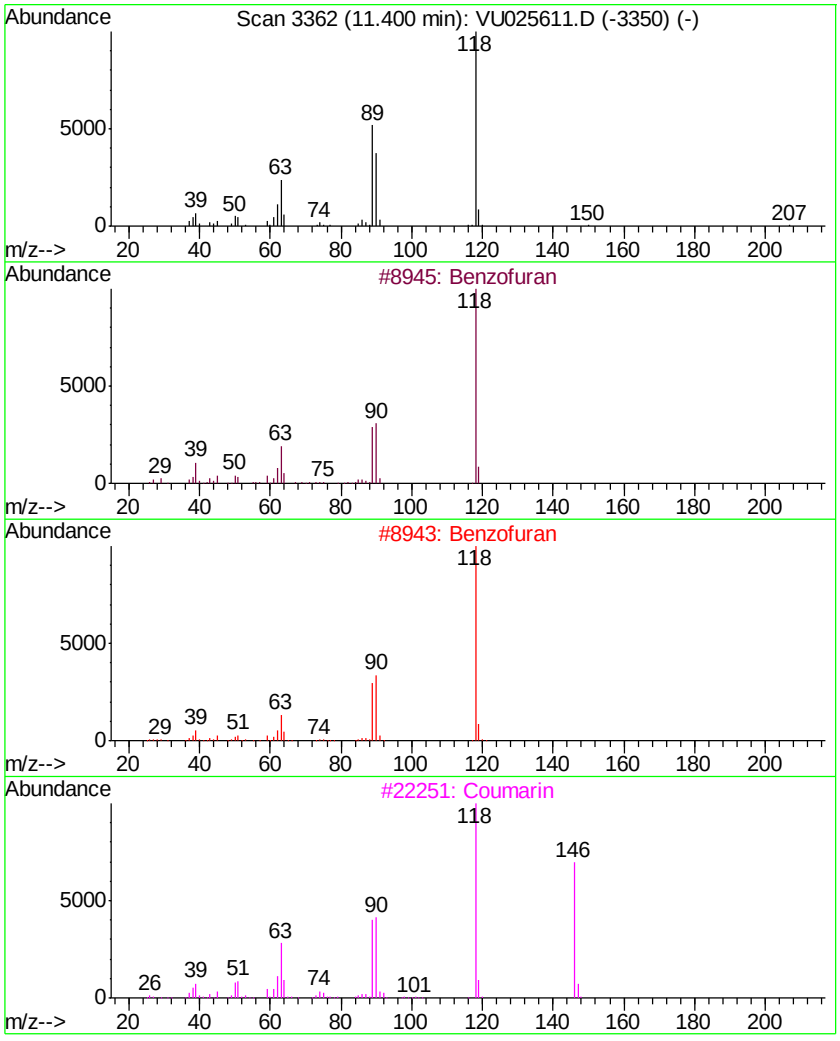
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

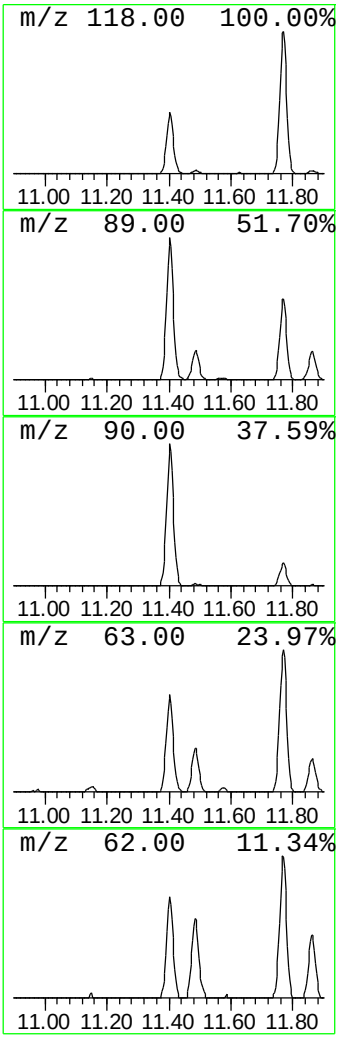
****

Peak Number 7 Benzofuran Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	7.29 ug/L	140400	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	87
3	Coumarin	146	C9H6O2	000091-64-5	83
4	4-Methylphthalic anhydride	162	C9H6O3	019438-61-0	53
5	2H-Cyclopenta[d]pyridazine	118	C7H6N2	000270-64-4	52





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Data File : VU025611.D
Acq On : 23 Jul 2018 19:04
Operator : MD/SY
Sample : J4072-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JJ1T3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
Quant Title : VOC Analysis

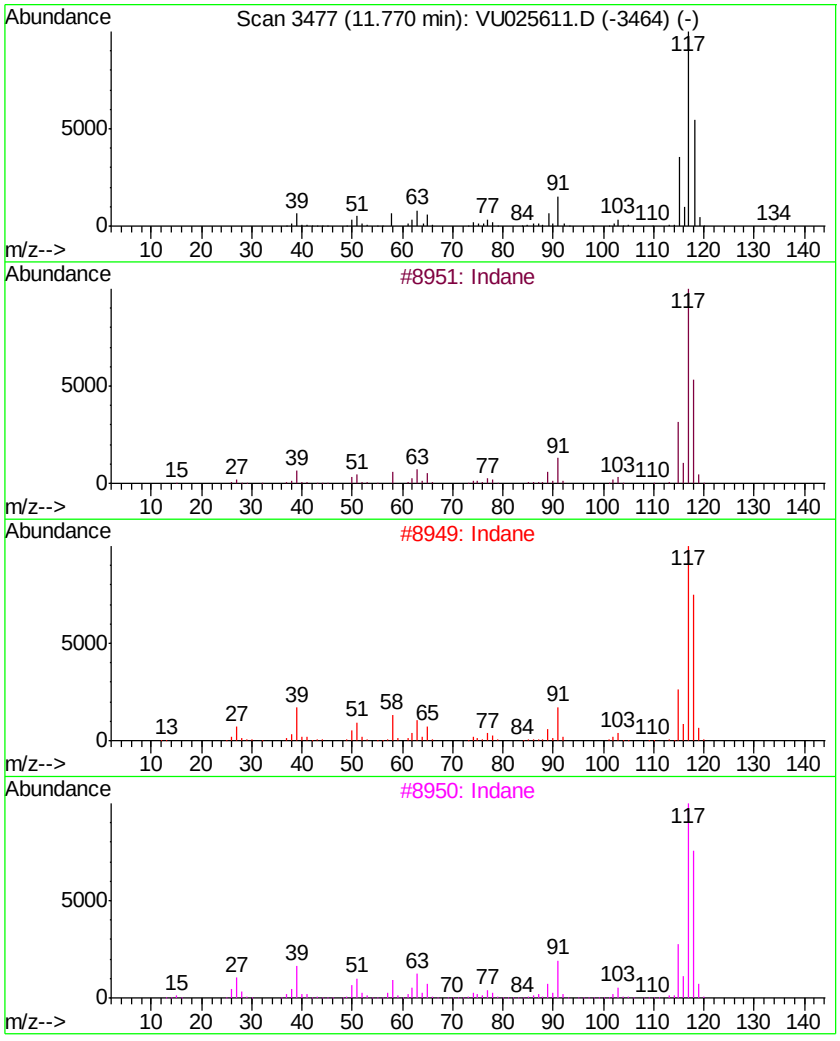
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

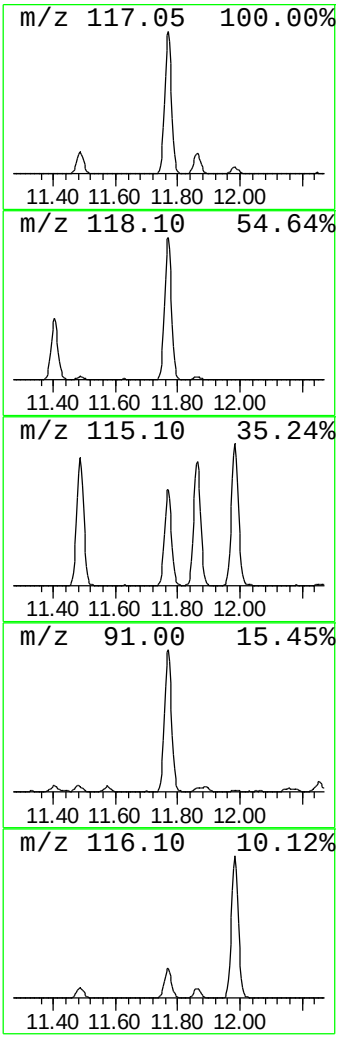
****

Peak Number 8 Indane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	31.23 ug/L	601219	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	Indane	118	C9H10	000496-11-7	91
3	Indane	118	C9H10	000496-11-7	90
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	83
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	74





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Data File : VU025611.D
Acq On : 23 Jul 2018 19:04
Operator : MD/SY
Sample : J4072-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JJ1T3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
Quant Title : VOC Analysis

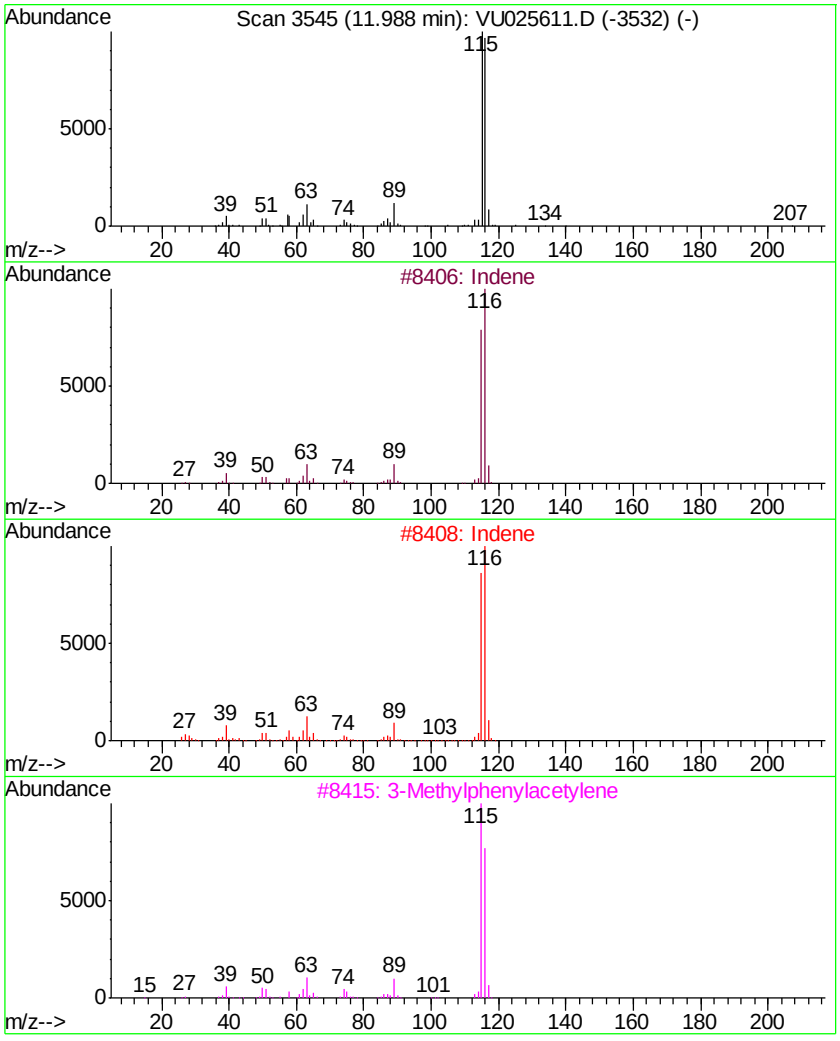
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

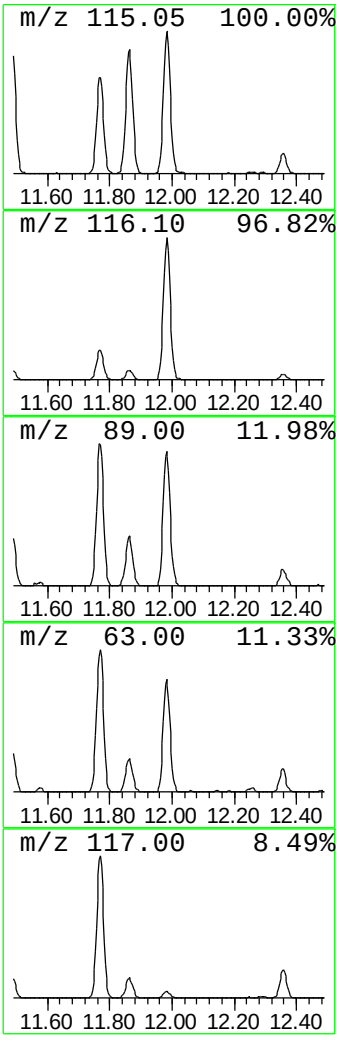
****

Peak Number 9 Indene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	16.38 ug/L	315355	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	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072318\
Data File : VU025611.D
Acq On : 23 Jul 2018 19:04
Operator : MD/SY
Sample : J4072-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JJ1T3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
Quant Title : VOC Analysis

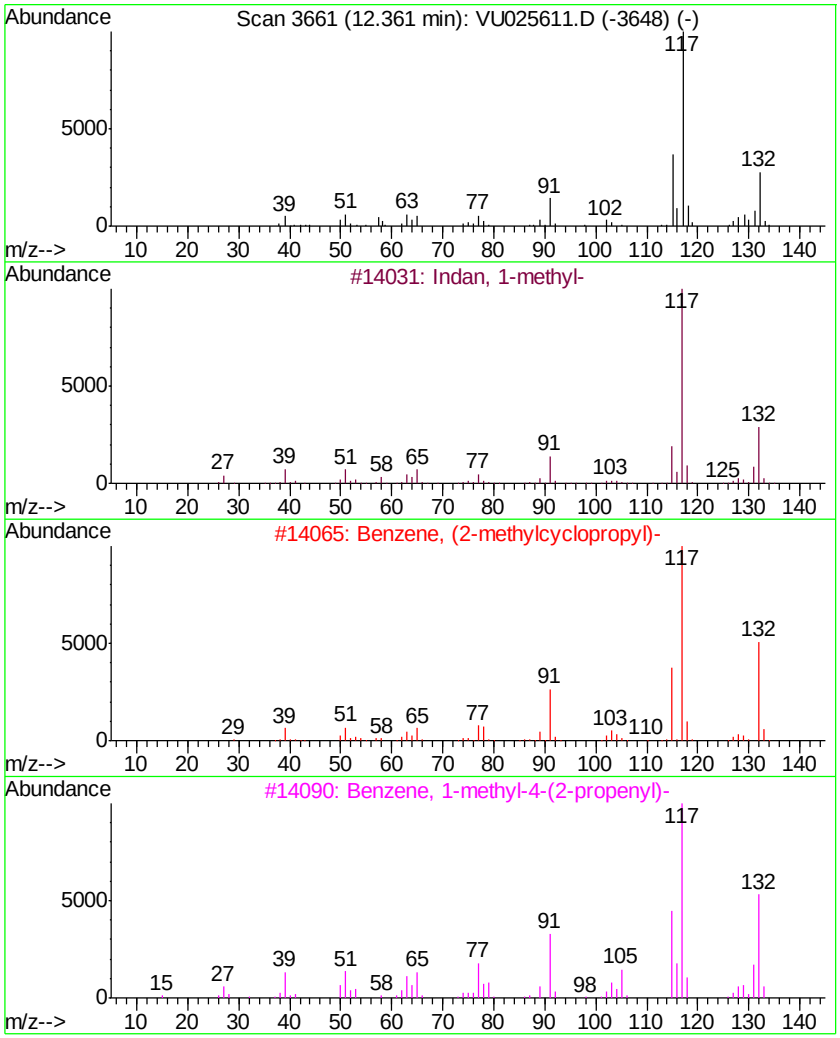
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

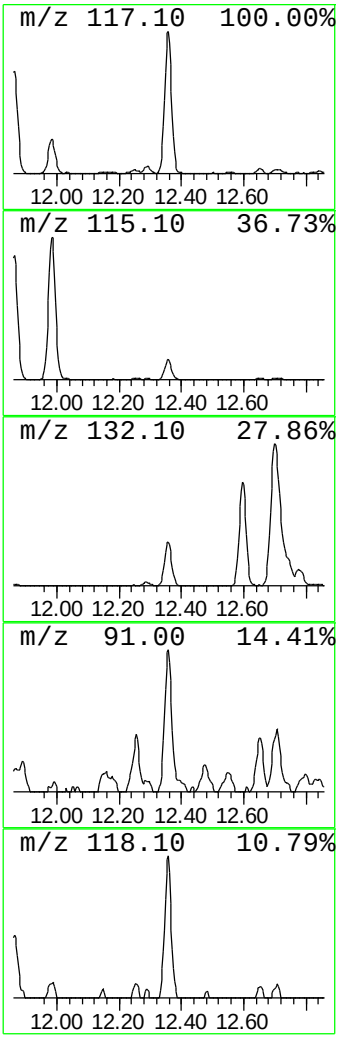
****

Peak Number 10 Indan, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	6.30 ug/L	121321	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, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	90
3	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	87
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	83
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	80





Library Search Compound Report

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Data File : VU025611.D
Acq On : 23 Jul 2018 19:04
Operator : MD/SY
Sample : J4072-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JJ1T3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
Quant Title : VOC Analysis

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

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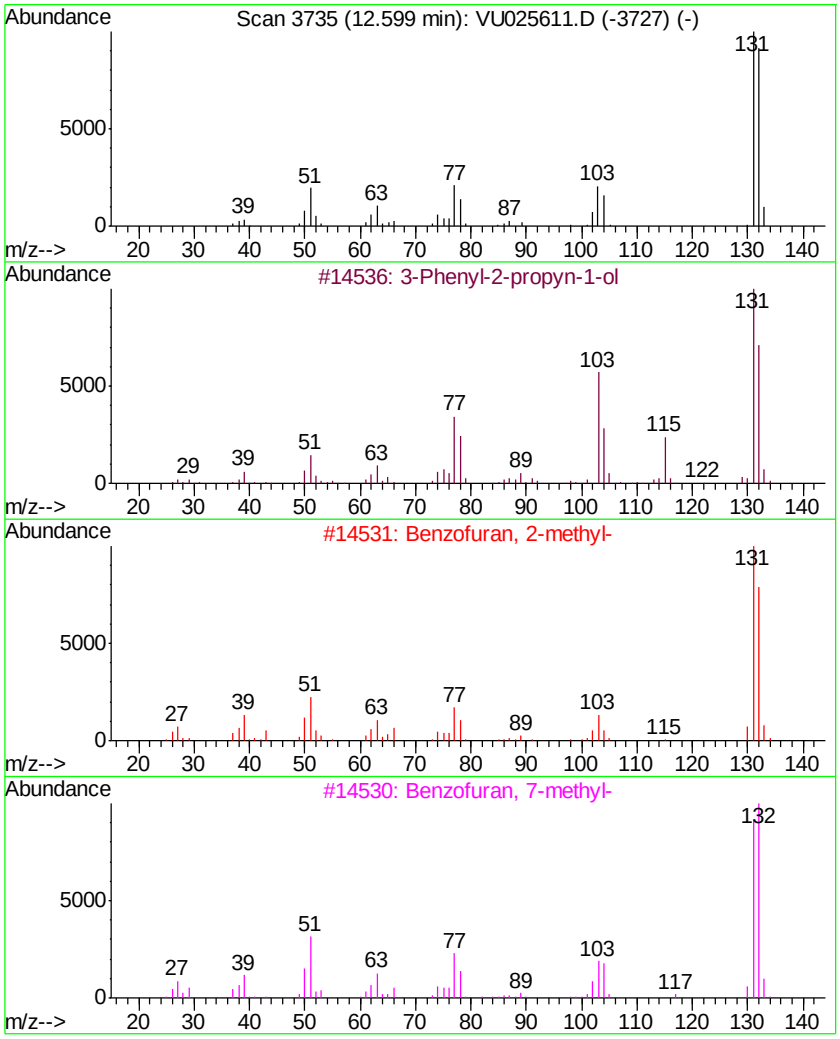
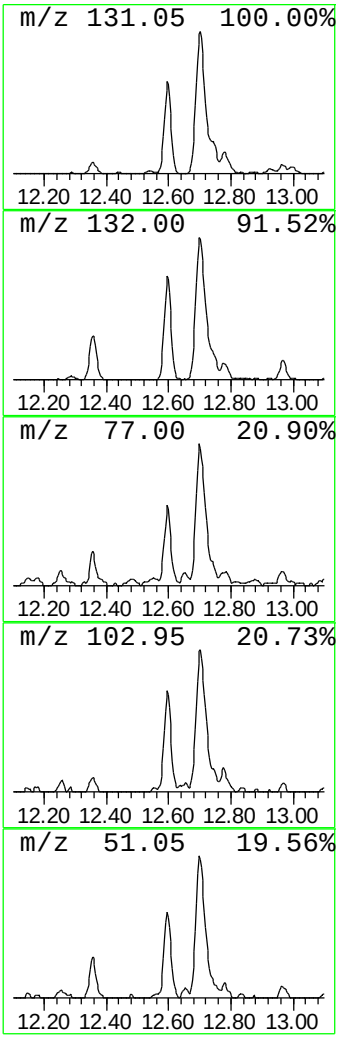
Peak Number 11 3-Phenyl-2-propyn-1-ol Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	5.07 ug/L	97658	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	94
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	94
3	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	93
4	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
5	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91





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Data File : VU025611.D
Acq On : 23 Jul 2018 19:04
Operator : MD/SY
Sample : J4072-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JJ1T3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
Quant Title : VOC Analysis

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

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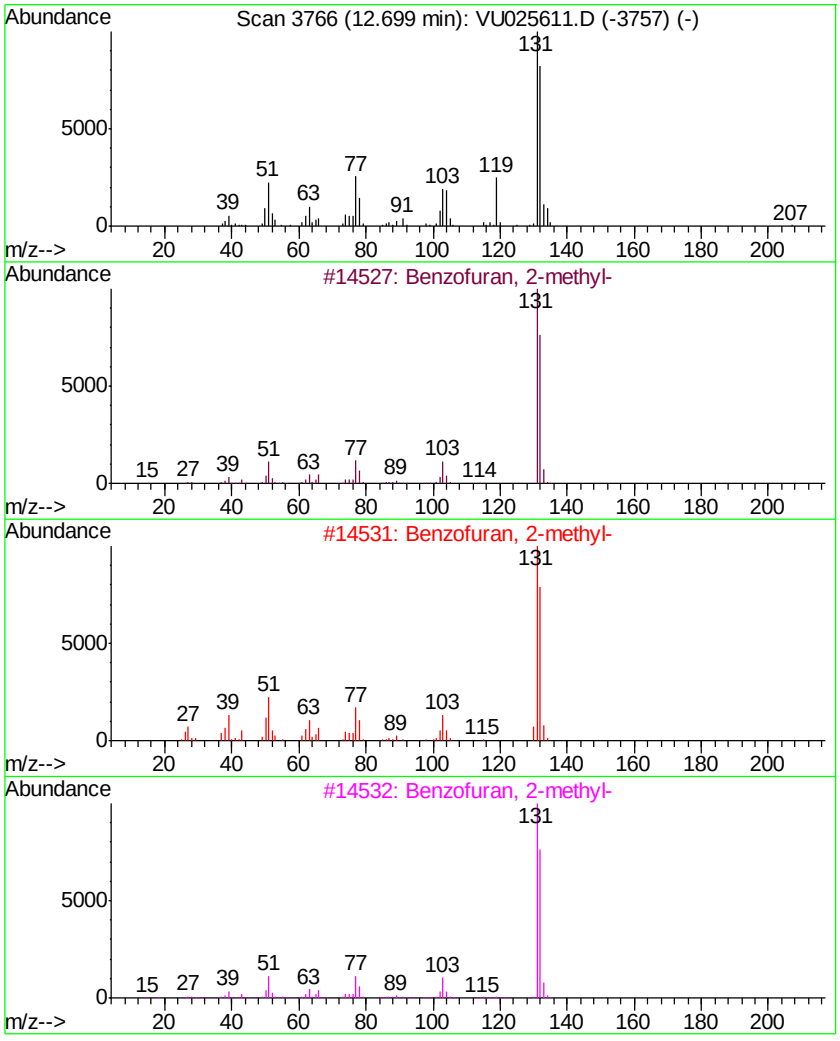
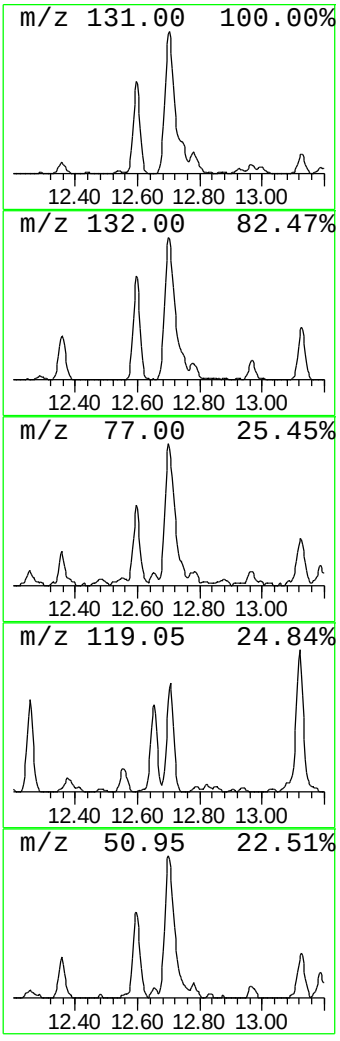
Peak Number 12 Benzofuran, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	12.88 ug/L	248004	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	87
4	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	87
5	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072318\
Data File : VU025611.D
Acq On : 23 Jul 2018 19:04
Operator : MD/SY
Sample : J4072-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JJ1T3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
Quant Title : VOC Analysis

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

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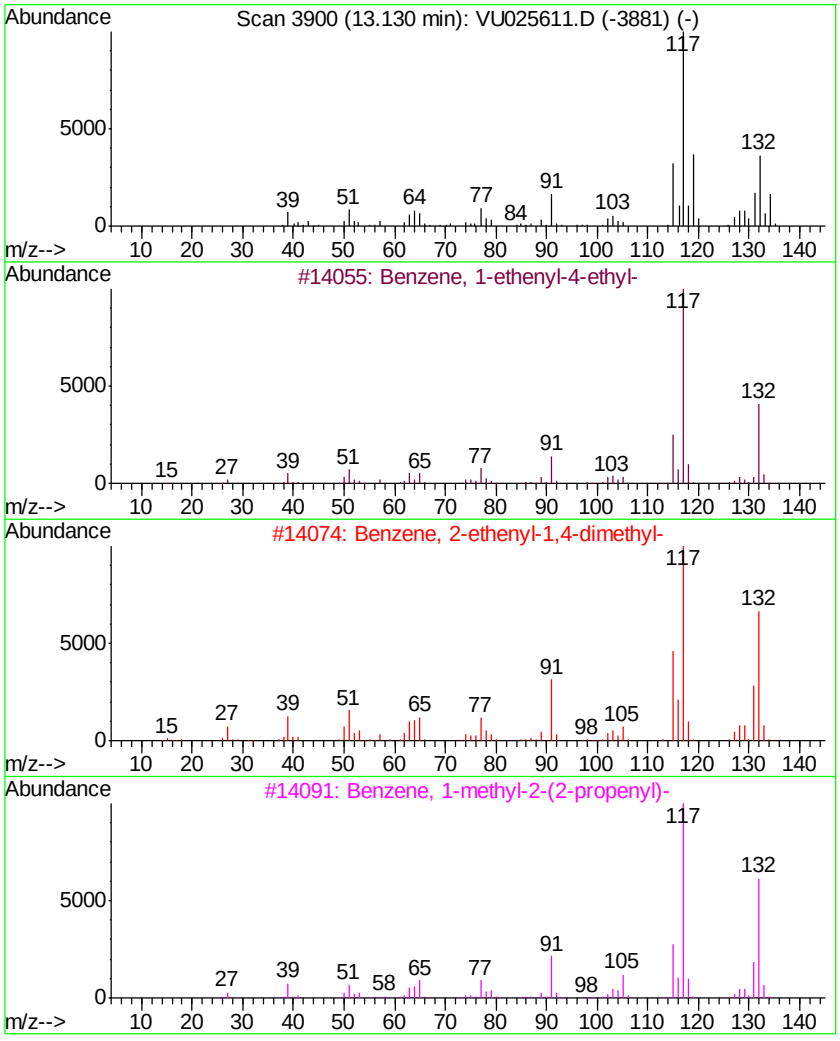
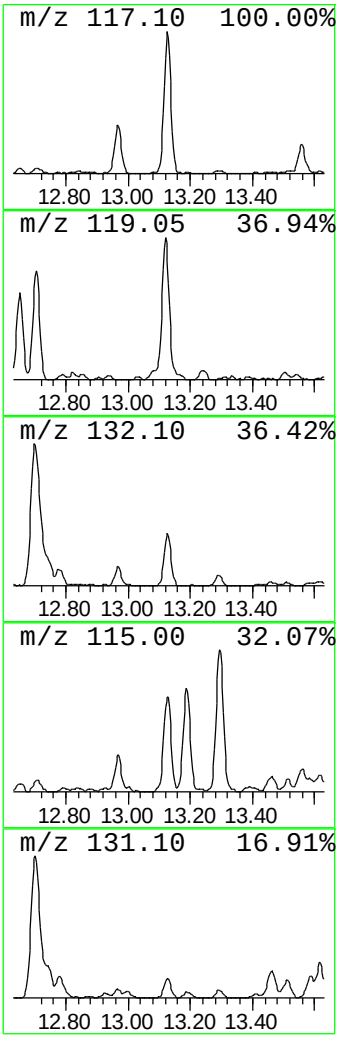
Peak Number 13 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	8.72 ug/L	167832	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	92
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	90
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	70
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	70
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	64





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Data File : VU025611.D
Acq On : 23 Jul 2018 19:04
Operator : MD/SY
Sample : J4072-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JJ1T3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
Quant Title : VOC Analysis

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

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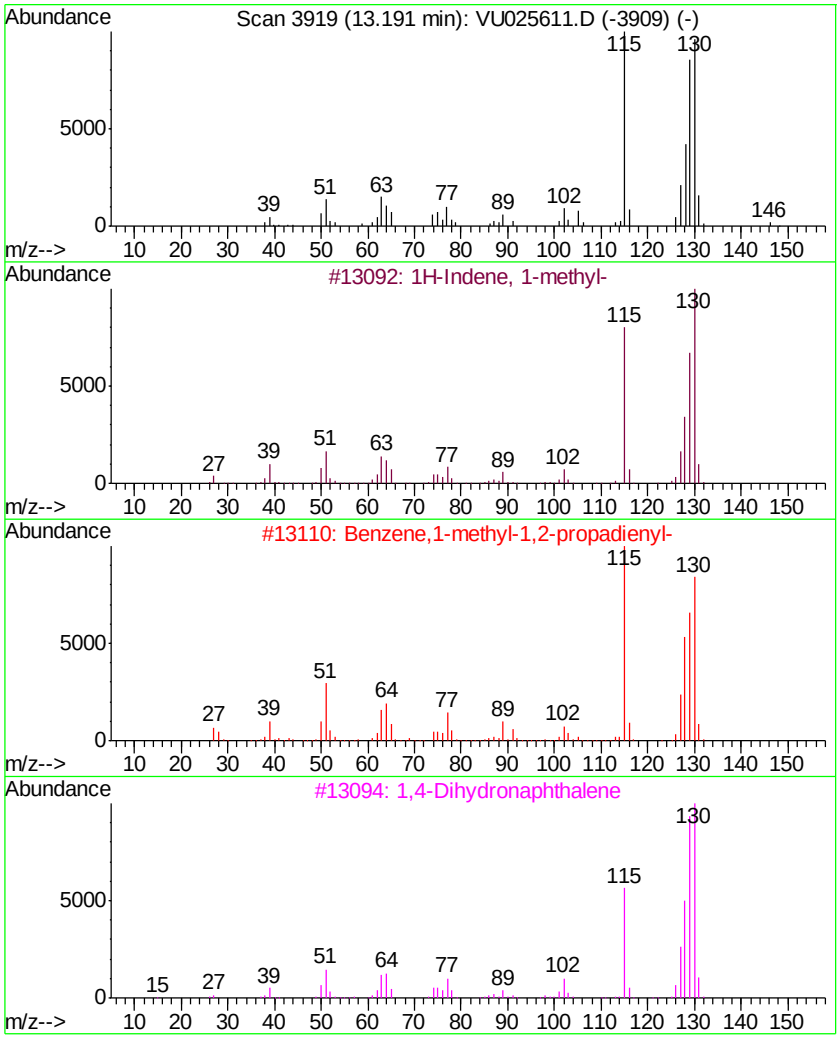
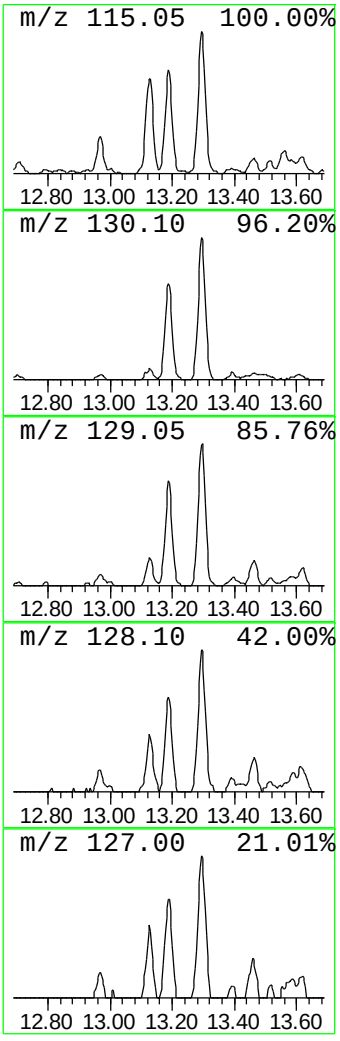
Peak Number 14 1H-Indene, 1-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	3.28 ug/L	63228	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
2	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	96
3	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95
4	2-Methylindene	130	C10H10	002177-47-1	93
5	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	92





Library Search Compound Report

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Data File : VU025611.D
Acq On : 23 Jul 2018 19:04
Operator : MD/SY
Sample : J4072-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JJ1T3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
Quant Title : VOC Analysis

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

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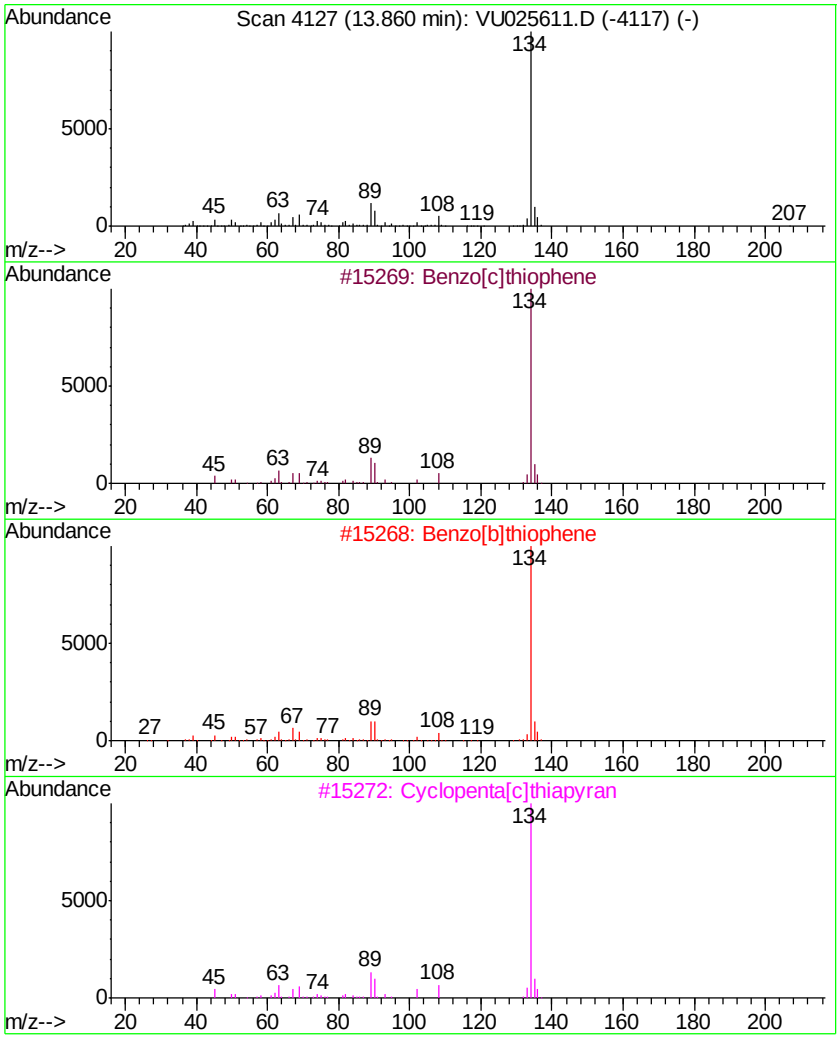
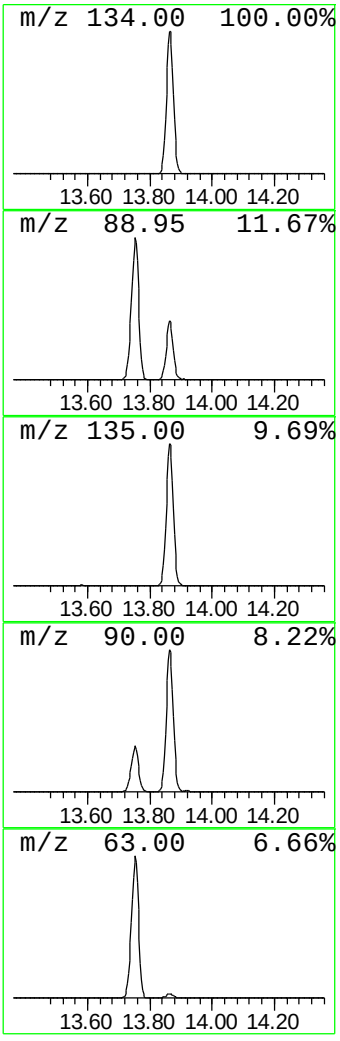
Peak Number 17 Benzo[c]thiophene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	69.43 ug/L	1336600	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	94
3	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	91





Library Search Compound Report

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Data File : VU025611.D
Acq On : 23 Jul 2018 19:04
Operator : MD/SY
Sample : J4072-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JJ1T3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
Quant Title : VOC Analysis

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

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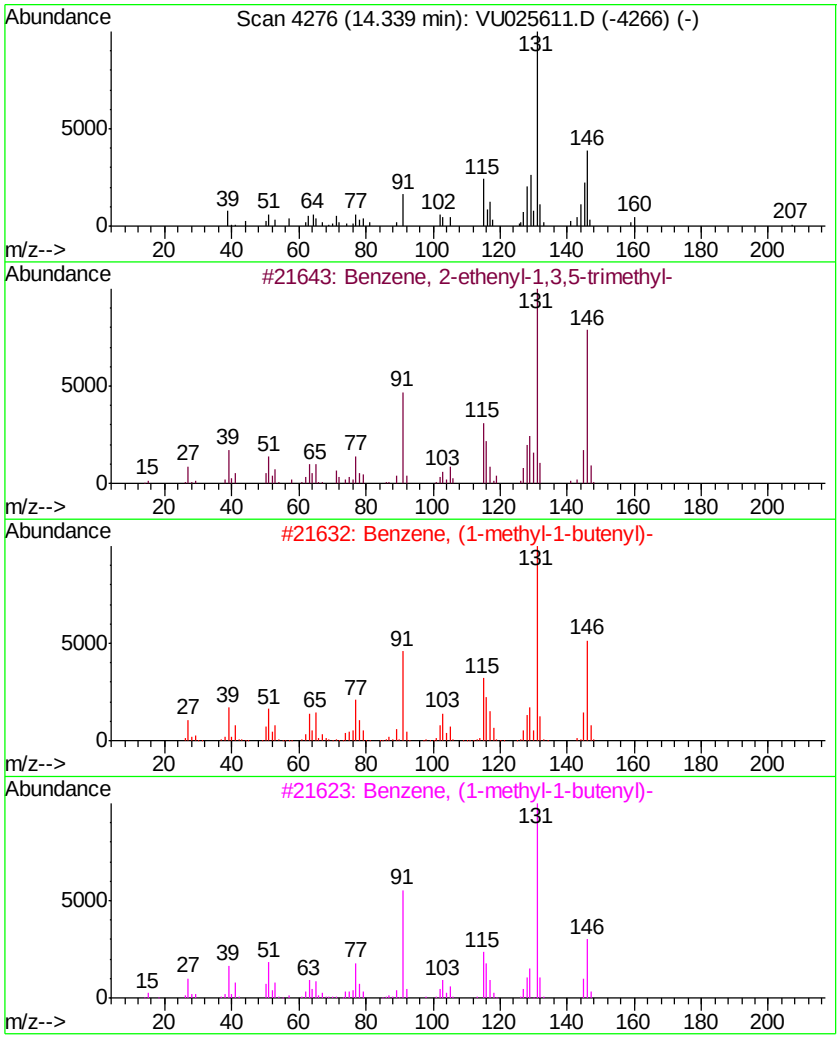
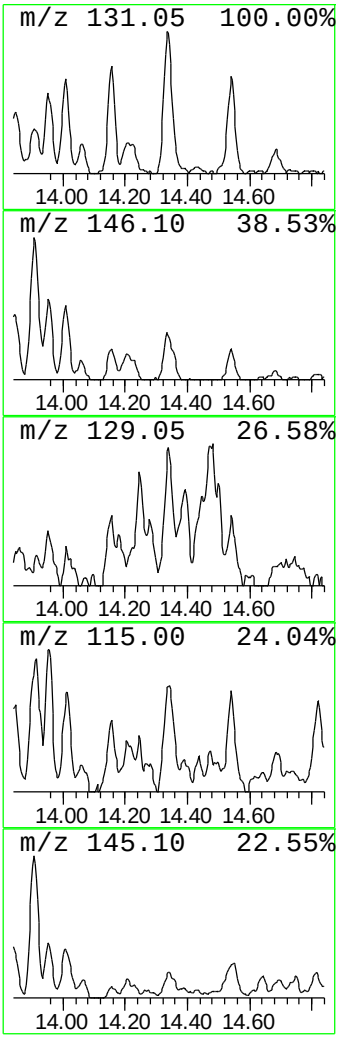
Peak Number 18 Benzene, 2-ethenyl-1,3,5-tr... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	2.85 ug/L	54943	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	83
2	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	72
3	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	72
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	70
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	70





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Acq On : 23 Jul 2018 19:04
Operator : MD/SY
Sample : J4072-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JJ1T3

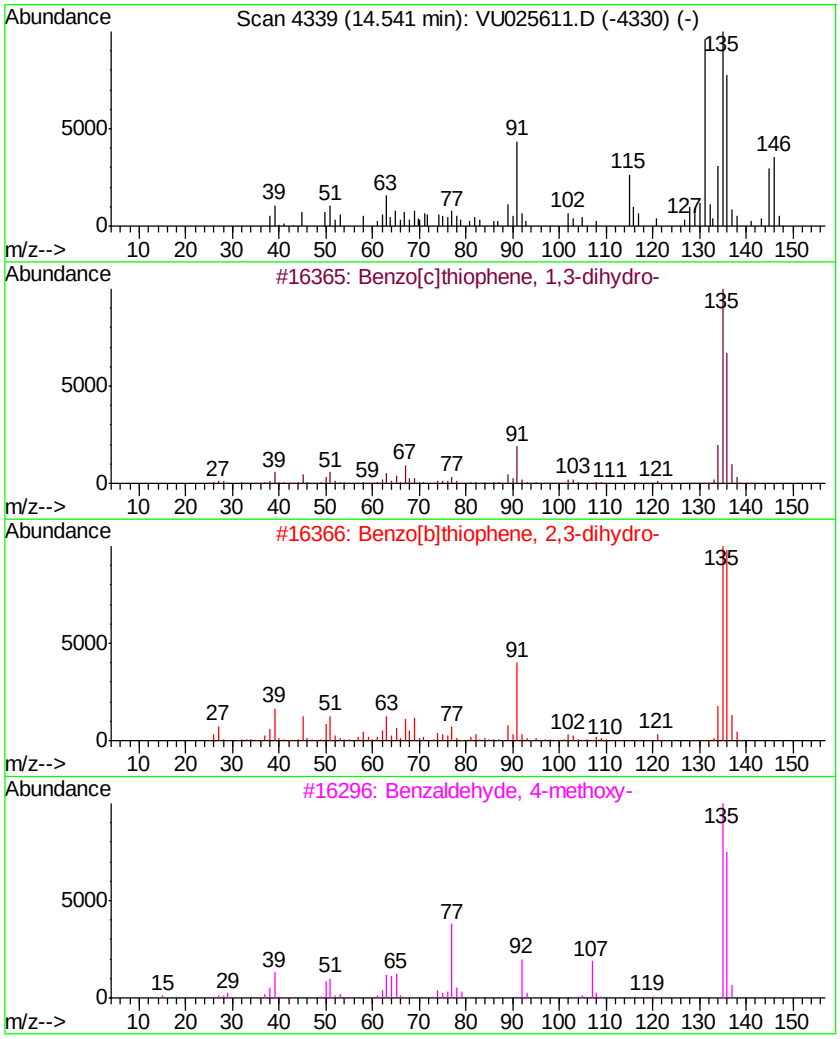
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
Quant Title : VOC Analysis

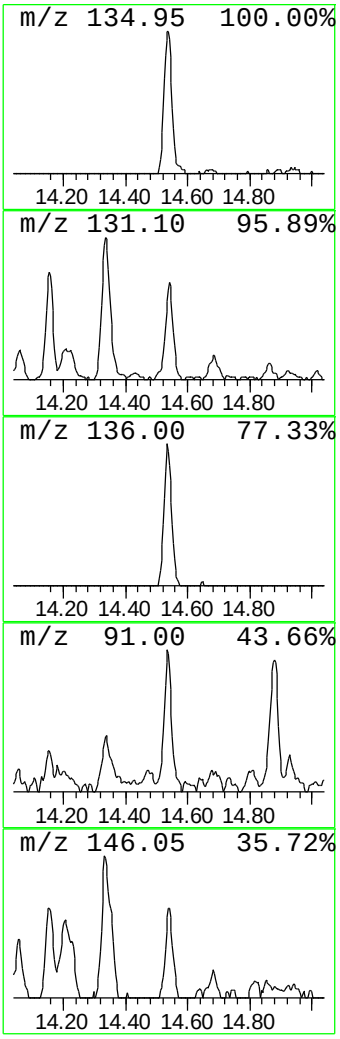
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Benzo[c]thiophene, 1,3-dihy... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	3.61 ug/L	69550	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]thiophene, 1,3-dihydro-	136	C8H8S	002471-92-3	64
2	Benzo[b]thiophene, 2,3-dihydro-	136	C8H8S	004565-32-6	64
3	Benzaldehyde, 4-methoxy-	136	C8H8O2	000123-11-5	50
4	Benzene, (ethenylthio)-	136	C8H8S	001822-73-7	50
5	Benzo[b]thiophene, 2,3-dihydro-	136	C8H8S	004565-32-6	50





Library Search Compound Report

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Data File : VU025611.D
Acq On : 23 Jul 2018 19:04
Operator : MD/SY
Sample : J4072-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JJ1T3

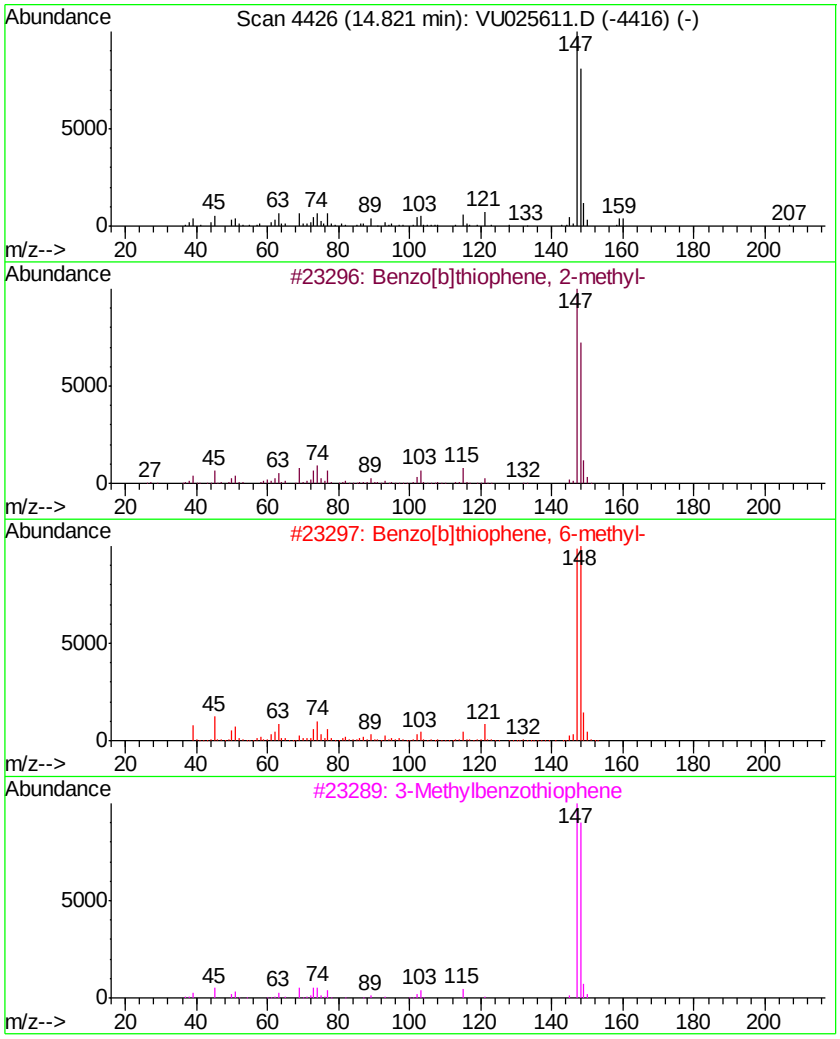
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
Quant Title : VOC Analysis

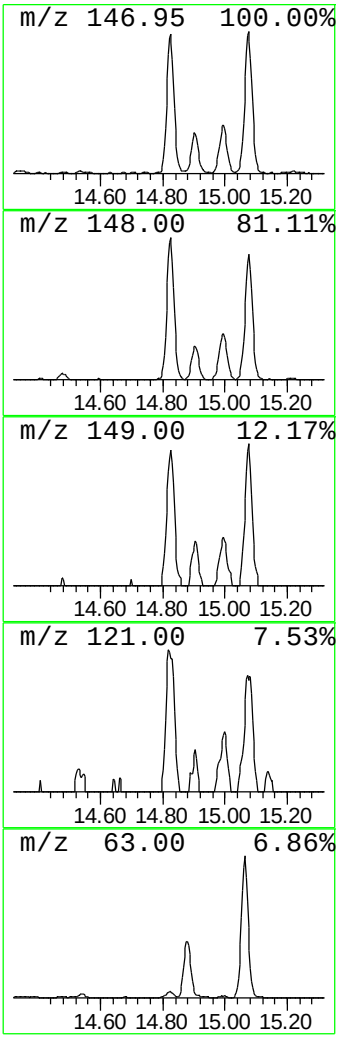
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Benzo[b]thiophene, 2-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	5.37 ug/L	103378	1,4-Dichlorobenzene-d4	11.49

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072318\
Data File : VU025611.D
Acq On : 23 Jul 2018 19:04
Operator : MD/SY
Sample : J4072-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JJ1T3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
Quant Title : VOC Analysis

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

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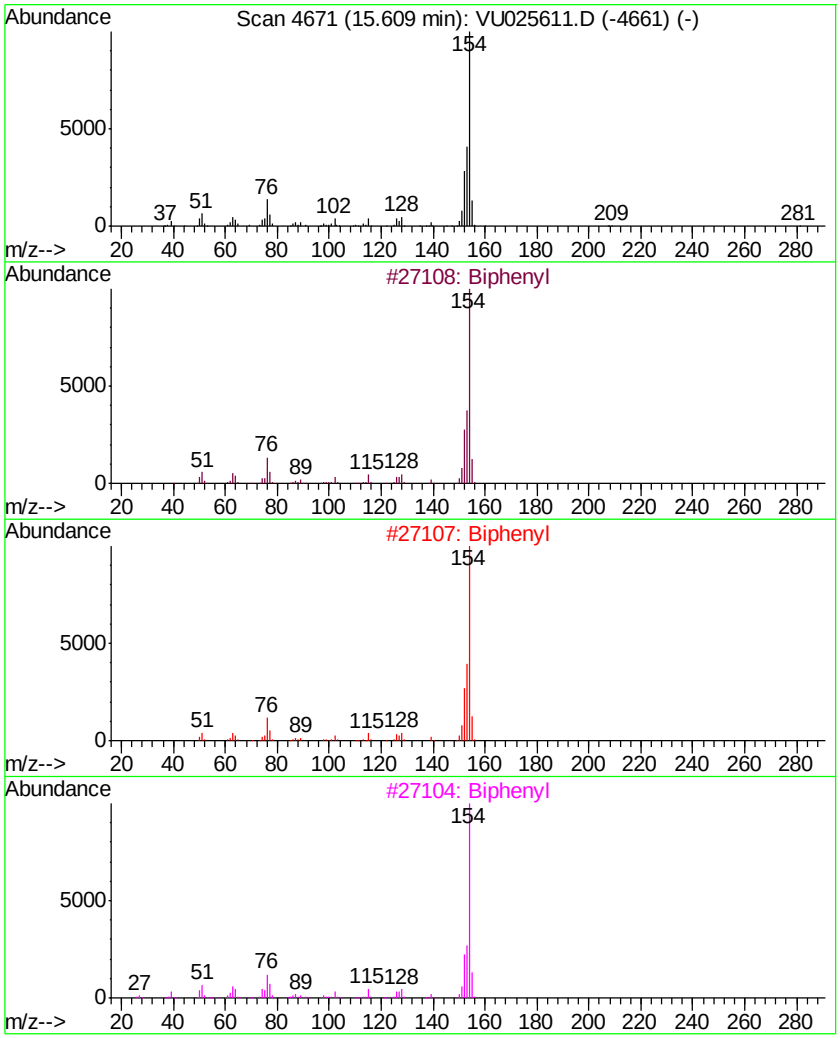
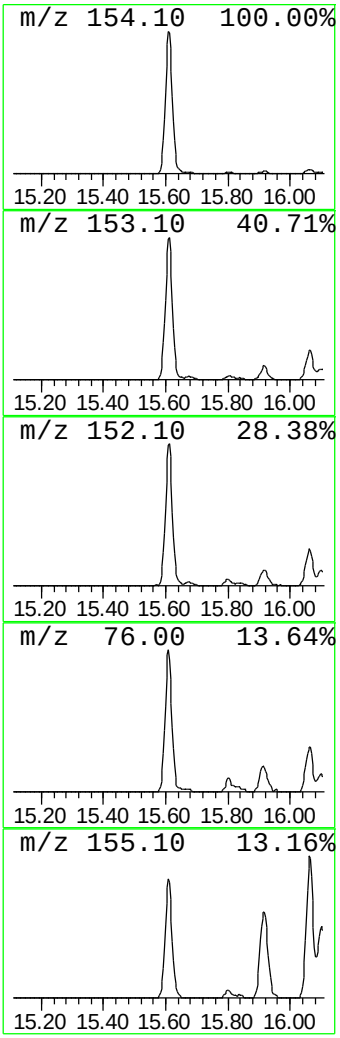
Peak Number 23 Biphenyl Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.61	15.98 ug/L	307653	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenyl	154	C12H10	000092-52-4	95
2	Biphenyl	154	C12H10	000092-52-4	95
3	Biphenyl	154	C12H10	000092-52-4	94
4	Biphenyl	154	C12H10	000092-52-4	93
5	Biphenyl	154	C12H10	000092-52-4	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072318\
Data File : VU025611.D
Acq On : 23 Jul 2018 19:04
Operator : MD/SY
Sample : J4072-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JJ1T3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
Quant Title : VOC Analysis

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

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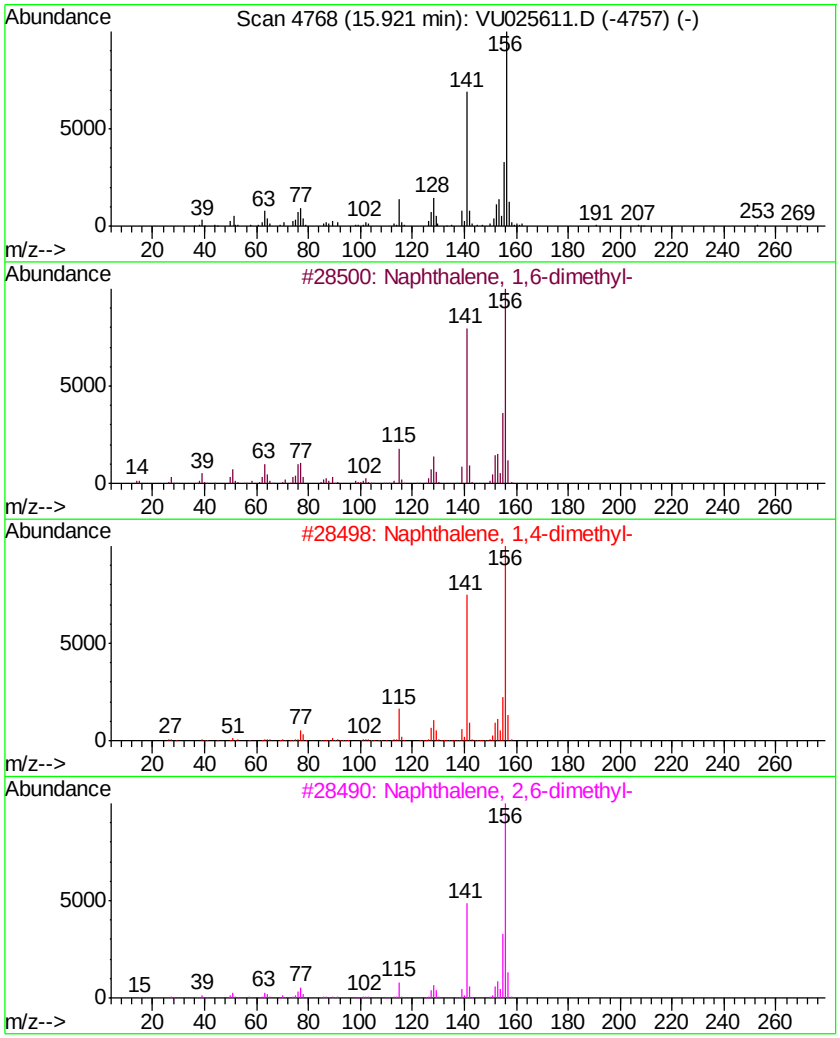
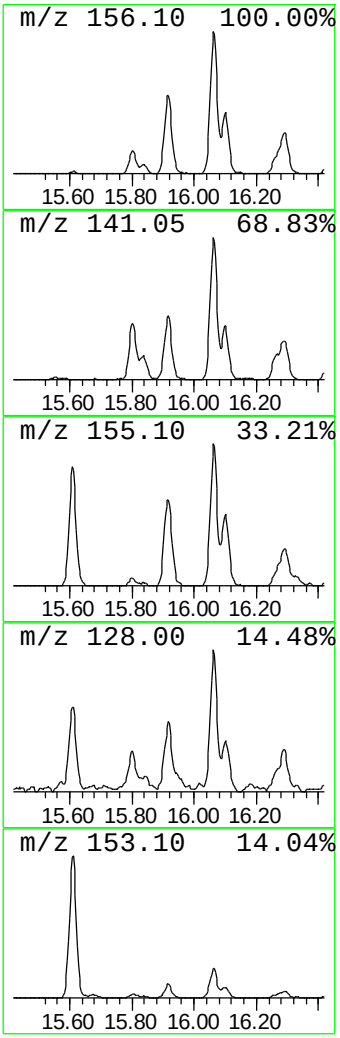
Peak Number 24 Naphthalene, 1,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	8.21 ug/L	158045	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, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072318\
Data File : VU025611.D
Acq On : 23 Jul 2018 19:04
Operator : MD/SY
Sample : J4072-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JJ1T3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
Quant Title : VOC Analysis

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

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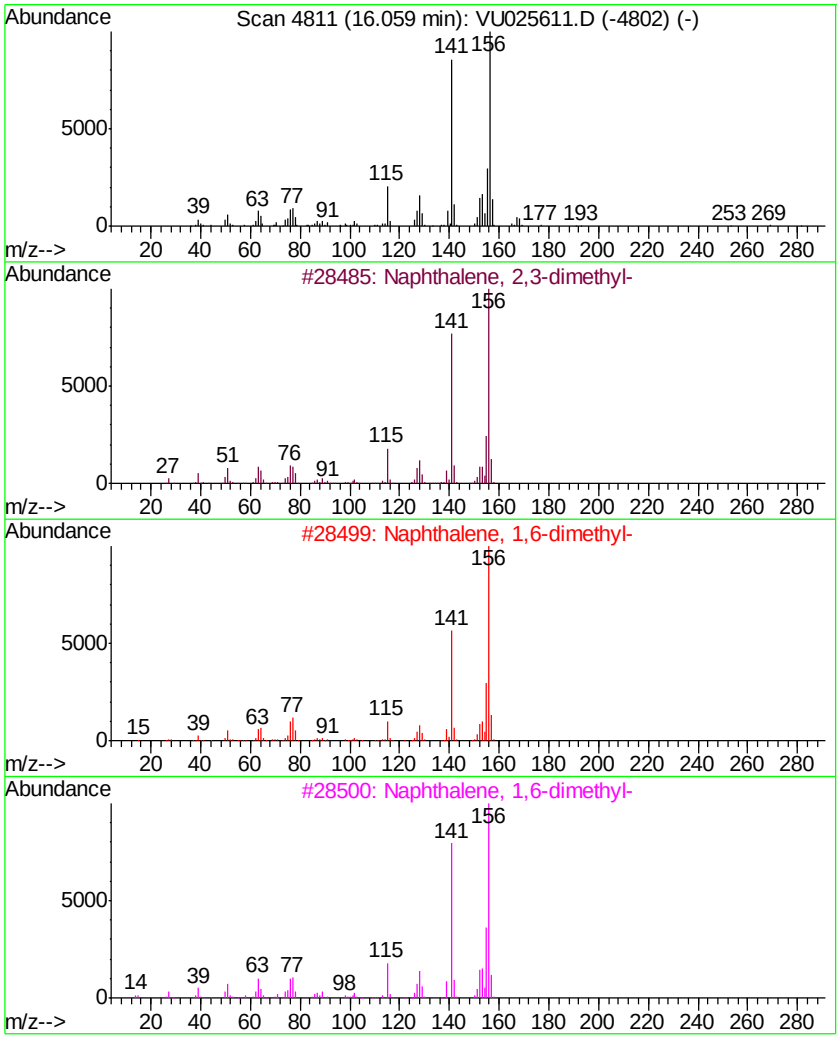
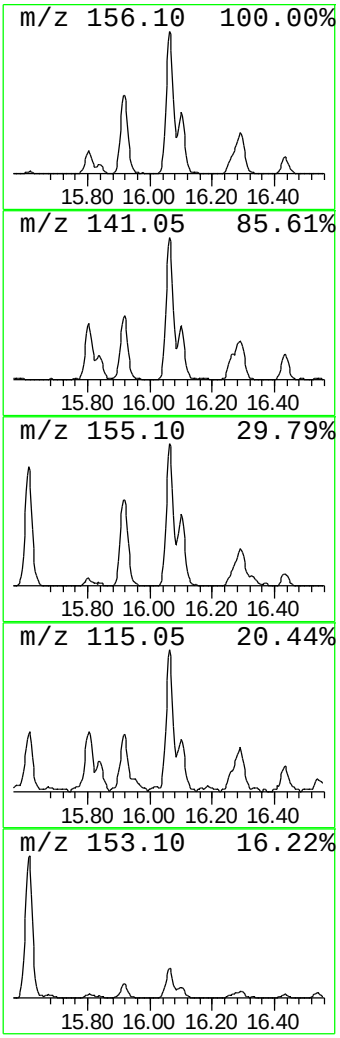
Peak Number 25 Naphthalene, 2,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	13.18 ug/L	253745	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072318\
Data File : VU025611.D
Acq On : 23 Jul 2018 19:04
Operator : MD/SY
Sample : J4072-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JJ1T3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.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
Isopropyl acetate	5.55	12.1	ug/L	185943	1	5.89	767568	50.0
n-Propyl acetate	6.71	14.5	ug/L	223057	1	5.89	767568	50.0
Propanoic acid, p...	8.42	5.2	ug/L	93308	2	9.09	893555	50.0
Butanoic acid, 1-...	8.91	5.8	ug/L	103147	2	9.09	893555	50.0
Benzofuran	11.40	7.3	ug/L	140400	3	11.49	962546	50.0
Indane	11.77	31.2	ug/L	601219	3	11.49	962546	50.0
Indene	11.99	16.4	ug/L	315355	3	11.49	962546	50.0
Indan, 1-methyl-	12.36	6.3	ug/L	121321	3	11.49	962546	50.0
3-Phenyl-2-propyn...	12.60	5.1	ug/L	97658	3	11.49	962546	50.0
Benzofuran, 2-met...	12.70	12.9	ug/L	248004	3	11.49	962546	50.0
Benzene, 1-etheny...	13.13	8.7	ug/L	167832	3	11.49	962546	50.0
1H-Indene, 1-methyl-	13.19	3.3	ug/L	63228	3	11.49	962546	50.0
Benzo[c]thiophene	13.86	69.4	ug/L	1336600	3	11.49	962546	50.0
Benzene, 2-etheny...	14.34	2.9	ug/L	54943	3	11.49	962546	50.0
Benzo[c]thiophene...	14.54	3.6	ug/L	69550	3	11.49	962546	50.0
Benzo[b]thiophene...	14.82	5.4	ug/L	103378	3	11.49	962546	50.0
Biphenyl	15.61	16.0	ug/L	307653	3	11.49	962546	50.0
Naphthalene, 1,6-...	15.92	8.2	ug/L	158045	3	11.49	962546	50.0
Naphthalene, 2,3-...	16.06	13.2	ug/L	253745	3	11.49	962546	50.0