LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102618\
Data File : VU027830.D
Acq On : 26 Oct 2018 13:56
Operator : MD/SY
Sample : J5668-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ2

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\SOMULM102218WMA.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	1.273	25	31	33	rBV2	4493	4444	0.54%	0.097%
2	1.402	64	71	85	rVB2	149804	161749	19.55%	3.544%
3	1.681	150	158	174	rVB	36377	48678	5.88%	1.067%
4	2.273	332	342	353	rBV	75950	116014	14.02%	2.542%
5	2.324	354	358	370	rVB2	4166	5805	0.70%	0.127%
6	2.447	386	396	410	rVB2	5983	10297	1.24%	0.226%
7	2.505	410	414	418	rVB	152	108	0.01%	0.002%
8	2.527	418	421	424	rBV	150	121	0.01%	0.003%
9	2.620	445	450	452	rBV2	148	153	0.02%	0.003%
10	2.836	511	517	526	rBV2	659	1238	0.15%	0.027%
11	2.906	534	539	542	rBV	113	134	0.02%	0.003%
12	2.987	556	564	572	rVB2	1550	2475	0.30%	0.054%
13	3.038	577	580	584	rBV	128	111	0.01%	0.002%
14	3.450	701	708	715	rVB	473	632	0.08%	0.014%
15	3.479	715	717	725	rVB	208	274	0.03%	0.006%
16	3.511	725	727	729	rBV	142	104	0.01%	0.002%
17	3.736	794	797	798	rBV	142	102	0.01%	0.002%
18	3.881	839	842	844	rBB	149	100	0.01%	0.002%
19	3.900	845	848	850	rBV	134	120	0.01%	0.003%
20	3.993	874	877	881	rBV	183	198	0.02%	0.004%
21	4.228	922	950	981	rBV2	289956	827371	100.00%	18.128%
22	4.392	999	1001	1006	rVB	256	151	0.02%	0.003%
23	4.431	1011	1013	1019	rVB	167	115	0.01%	0.003%
24	4.649	1066	1081	1104	rBV	66316	154546	18.68%	3.386%
25	4.887	1148	1155	1158	rBV3	469	606	0.07%	0.013%
26	4.980	1181	1184	1194	rVB2	566	856	0.10%	0.019%
27	5.022	1194	1197	1201	rBV	162	146	0.02%	0.003%
28	5.045	1201	1204	1211	rVB	175	209	0.03%	0.005%
29	5.077	1211	1214	1217	rBV2	185	141	0.02%	0.003%
30	5.138	1230	1233	1236	rBV	178	172	0.02%	0.004%
31	5.340	1274	1296	1320	rBV2	131605	394455	47.68%	8.643%
32	5.611	1377	1380	1383	rBV	161	160	0.02%	0.004%
33	5.668	1396	1398	1400	rBV	156	107	0.01%	0.002%
34	5.887	1451	1466	1498	rBV	143547	280458	33.90%	6.145%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102618\
Data File : VU027830.D
Acq On : 26 Oct 2018 13:56
Operator : MD/SY
Sample : J5668-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ2

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\SOMULM102218WMA.M
Title : VOC Analysis

35	6.045	1512	1515	1518	rBV	265	203	0.02%	0.004%
36	6.180	1554	1557	1563	rVB	315	291	0.04%	0.006%
37	6.212	1564	1567	1568	rBV	150	100	0.01%	0.002%
38	6.334	1591	1605	1626	rBV	92877	185188	22.38%	4.057%
39	6.456	1638	1643	1644	rBV	178	179	0.02%	0.004%
40	6.729	1723	1728	1732	rVB	151	152	0.02%	0.003%
41	6.832	1755	1760	1762	rBV	274	206	0.02%	0.005%
42	6.864	1762	1770	1779	rVB5	971	1705	0.21%	0.037%
43	6.980	1804	1806	1811	rVB	170	163	0.02%	0.004%
44	7.009	1812	1815	1818	rBV	156	156	0.02%	0.003%
45	7.167	1861	1864	1867	rVV	177	135	0.02%	0.003%
46	7.228	1871	1883	1903	rBV	53428	94640	11.44%	2.074%
47	7.382	1925	1931	1933	rBV	282	318	0.04%	0.007%
48	7.565	1975	1988	2010	rBV	174245	301447	36.43%	6.605%
49	7.852	2067	2077	2090	rBV	38026	62870	7.60%	1.377%
50	8.035	2130	2134	2139	rBV2	248	227	0.03%	0.005%
51	8.183	2166	2180	2188	rBV	31662	68997	8.34%	1.512%
52	8.311	2212	2220	2246	rVB	172247	304027	36.75%	6.661%
53	8.475	2264	2271	2274	rVV4	530	579	0.07%	0.013%
54	8.504	2278	2280	2282	rVB	292	117	0.01%	0.003%
55	8.633	2317	2320	2322	rBV	211	151	0.02%	0.003%
56	8.652	2324	2326	2334	rVB2	311	331	0.04%	0.007%
57	8.771	2359	2363	2364	rBV3	444	272	0.03%	0.006%
58	9.089	2450	2462	2483	rBV	207863	342064	41.34%	7.495%
59	9.999	2741	2745	2748	rBV3	178	170	0.02%	0.004%
60	10.237	2816	2819	2827	rVB	121	101	0.01%	0.002%
61	10.430	2867	2879	2896	rVB	128804	205092	24.79%	4.494%
62	10.614	2925	2936	2951	rVV	20099	41951	5.07%	0.919%
63	10.726	2966	2971	2973	rBV	207	143	0.02%	0.003%
64	10.874	3009	3017	3028	rBV3	1052	1646	0.20%	0.036%
65	11.401	3178	3181	3187	rBV	107	115	0.01%	0.003%
66	11.485	3195	3207	3225	rBV	203917	313399	37.88%	6.867%
67	11.749	3283	3289	3302	rVB3	1456	2124	0.26%	0.047%
68	11.858	3312	3323	3339	rBV	170543	273173	33.02%	5.985%
69	12.112	3389	3402	3403	rBV2	1682	1941	0.23%	0.043%
70	12.568	3542	3544	3548	rBV3	353	294	0.04%	0.006%
71	12.610	3554	3557	3559	rBV2	471	310	0.04%	0.007%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102618\
Data File : VU027830.D
Acq On : 26 Oct 2018 13:56
Operator : MD/SY
Sample : J5668-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ2

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\SOMULM102218WMA.M
Title : VOC Analysis

72	12.691	3579	3582	3585	rBV3	449	308	0.04%	0.007%
73	13.125	3710	3717	3719	rBV3	443	567	0.07%	0.012%
74	13.340	3781	3784	3786	rBV2	233	133	0.02%	0.003%
75	13.462	3819	3822	3826	rVB2	241	173	0.02%	0.004%
76	13.601	3862	3865	3867	rBV2	304	135	0.02%	0.003%
77	13.691	3890	3893	3898	rBV	162	129	0.02%	0.003%
78	13.800	3925	3927	3933	rVV	162	107	0.01%	0.002%
79	13.906	3957	3960	3962	rBV2	184	123	0.01%	0.003%
80	13.941	3969	3971	3974	rVB2	194	110	0.01%	0.002%
81	13.980	3980	3983	3988	rVB	299	224	0.03%	0.005%
82	14.006	3988	3991	3995	rBV	212	169	0.02%	0.004%
83	14.089	4015	4017	4020	rBV2	161	101	0.01%	0.002%
84	14.125	4025	4028	4032	rBV	181	108	0.01%	0.002%
85	14.150	4034	4036	4038	rBV	284	173	0.02%	0.004%
86	14.224	4038	4059	4064	rVV9	5222	15596	1.89%	0.342%
87	14.279	4068	4076	4089	rVB	27673	46173	5.58%	1.012%
88	14.395	4109	4112	4115	rVB	516	329	0.04%	0.007%
89	14.424	4118	4121	4128	rVB4	500	450	0.05%	0.010%
90	14.491	4140	4142	4144	rBV	346	205	0.02%	0.004%
91	14.584	4144	4171	4210	rVV6	28317	139425	16.85%	3.055%
92	14.800	4234	4238	4241	rBV4	682	545	0.07%	0.012%
93	15.678	4496	4511	4527	rVB8	4588	13522	1.63%	0.296%
94	15.880	4563	4574	4586	rBV2	23182	38440	4.65%	0.842%
95	16.456	4739	4753	4761	rBV7	9261	25231	3.05%	0.553%
96	16.555	4778	4784	4792	rVB	25149	35696	4.31%	0.782%
97	16.707	4824	4831	4840	rBV3	3669	5001	0.60%	0.110%
98	16.742	4840	4842	4847	rBV4	696	613	0.07%	0.013%
99	17.276	5003	5008	5013	rBV3	3257	4556	0.55%	0.100%
100	17.485	5066	5073	5083	rVB5	11013	18452	2.23%	0.404%

Sum of corrected areas: 4564121

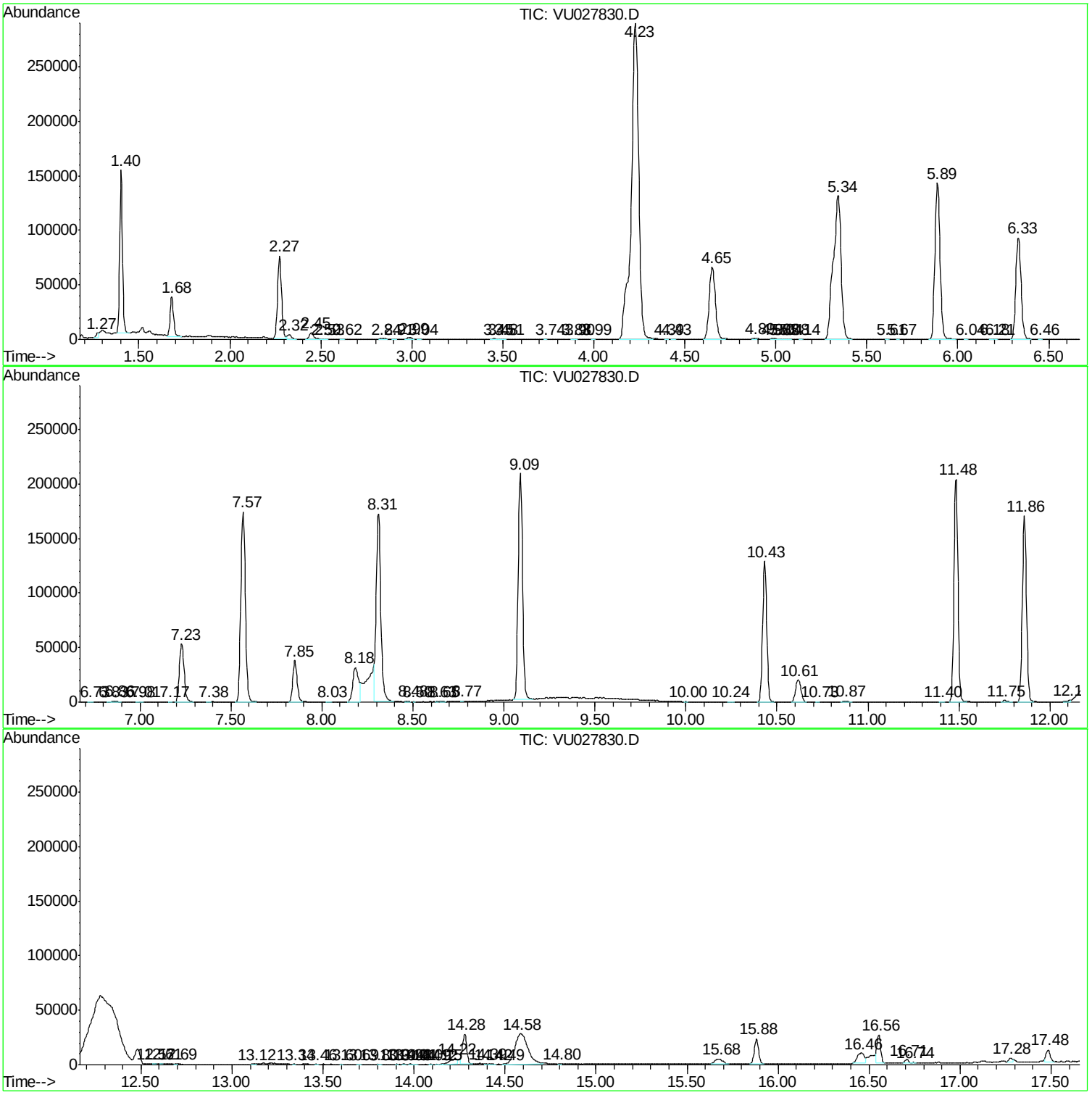
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102618\
Data File : VU027830.D
Acq On : 26 Oct 2018 13:56
Operator : MD/SY
Sample : J5668-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102618\
Data File : VU027830.D
Acq On : 26 Oct 2018 13:56
Operator : MD/SY
Sample : J5668-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.M
Quant Title : VOC Analysis

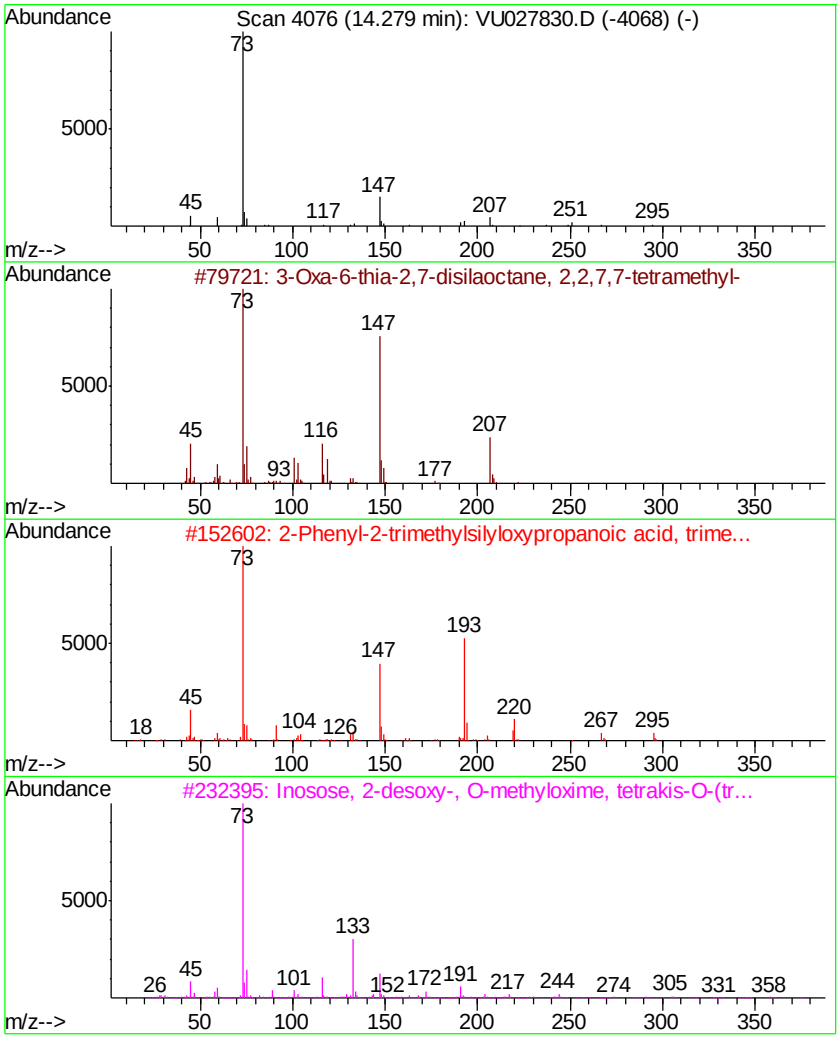
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

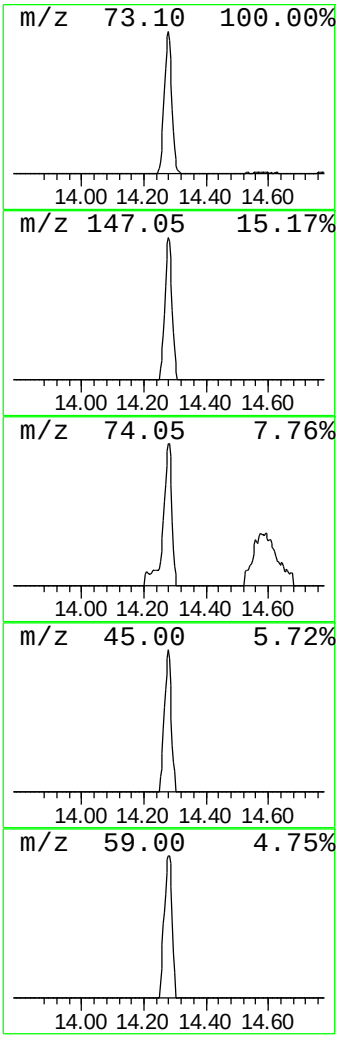
****

Peak Number 4 unknown-01 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	7.37 ug/L	46173	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Oxa-6-thia-2,7-disilaoctane, 2...	222	C8H22OSSi2	078921-31-0	37
2	2-Phenyl-2-trimethylsilyloxyprop...	310	C15H26O3Si2	082326-12-3	33
3	Inosose, 2-desoxy-, O-methyloxim...	479	C19H45NO5Si4	1000149-50-8	28
4	Benzenepropanoic acid, .alpha.-[...	310	C15H26O3Si2	027750-45-4	28
5	Spiro[2.4]hept-5-ene, 5-trimethy...	252	C14H28Si2	1000153-96-9	23





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102618\
Data File : VU027830.D
Acq On : 26 Oct 2018 13:56
Operator : MD/SY
Sample : J5668-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.M
Quant Title : VOC Analysis

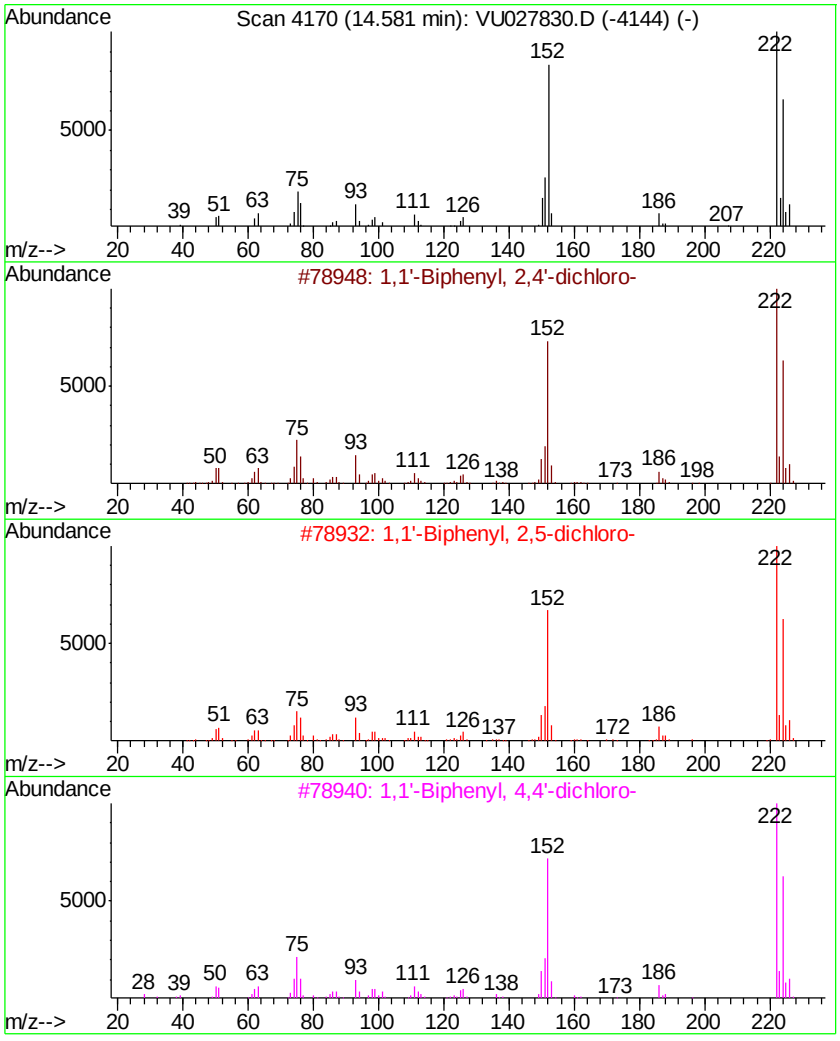
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

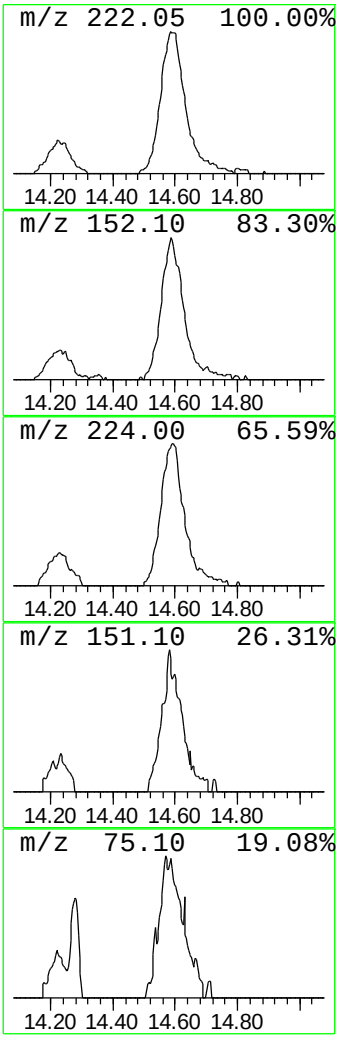
****

Peak Number 5 1,1'-Biphenyl, 2,4'-dichloro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.58	22.24 ug/L	139425	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4'-dichloro-	222	C12H8Cl2	034883-43-7	99
2	1,1'-Biphenyl, 2,5-dichloro-	222	C12H8Cl2	034883-39-1	99
3	1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	99
4	1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	99
5	1,1'-Biphenyl 2,3'-dichloro-	222	C12H8Cl2	025569-80-6	99





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102618\
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Acq On : 26 Oct 2018 13:56
Operator : MD/SY
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ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.M
Quant Title : VOC Analysis

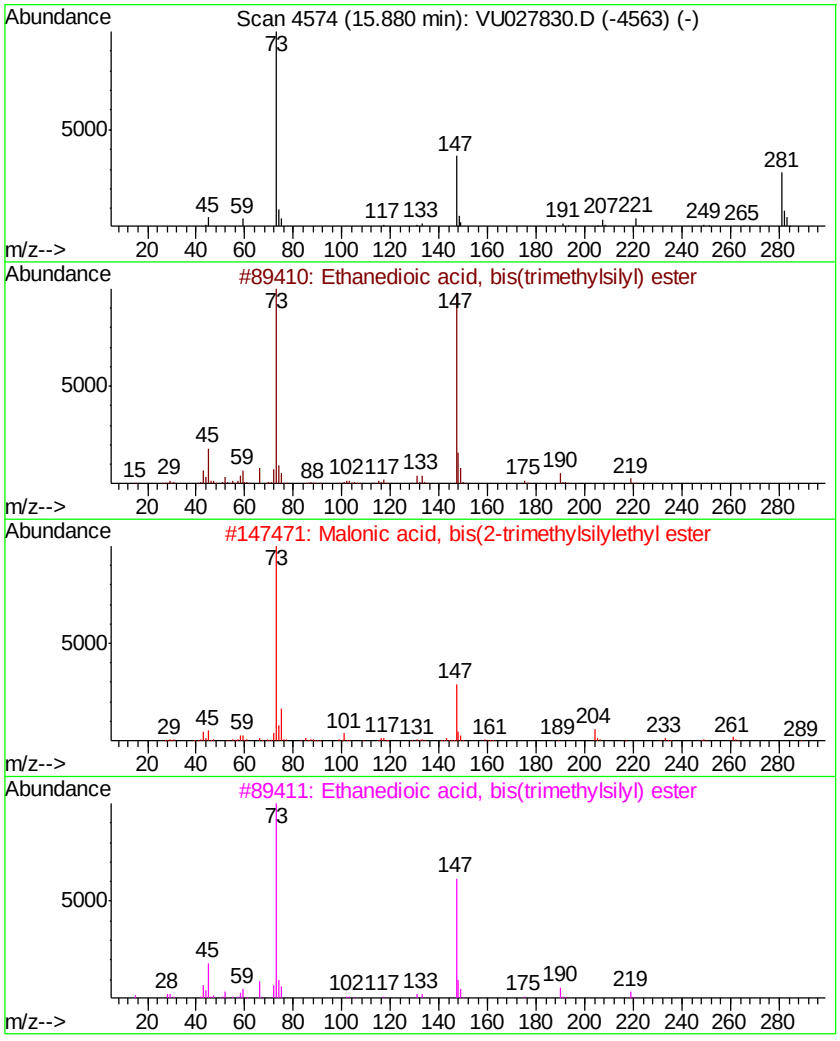
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

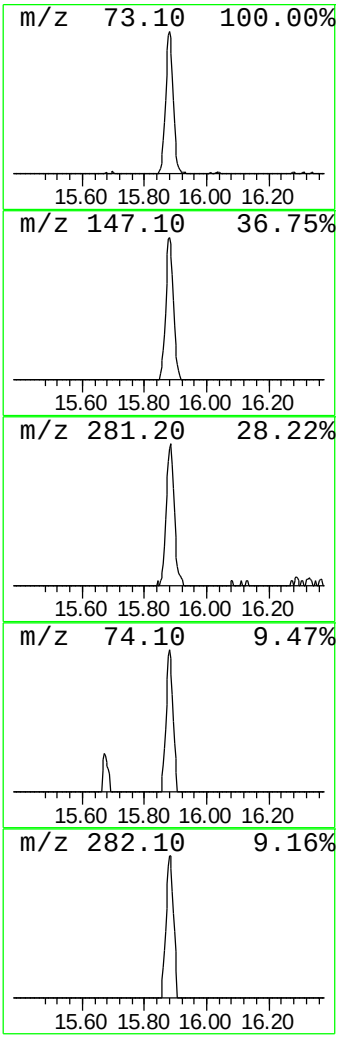
****

Peak Number 6 unknown-02 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	6.13 ug/L	38440	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanedioic acid, bis(trimethvls...	234	C8H18O4Si2	018294-04-7	25
2	Malonic acid, bis(2-trimethylsil...	304	C13H28O4Si2	090744-45-9	25
3	Ethanedioic acid, bis(trimethvls...	234	C8H18O4Si2	018294-04-7	25
4	2-Methyl-1,4-bis(trimethylsiloxy...	248	C11H28O2Si2	105747-05-5	25
5	2-Hexenedioic acid, bis(trimethy...	288	C12H24O4Si2	055494-10-5	25





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102618\
Data File : VU027830.D
Acq On : 26 Oct 2018 13:56
Operator : MD/SY
Sample : J5668-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.M
Quant Title : VOC Analysis

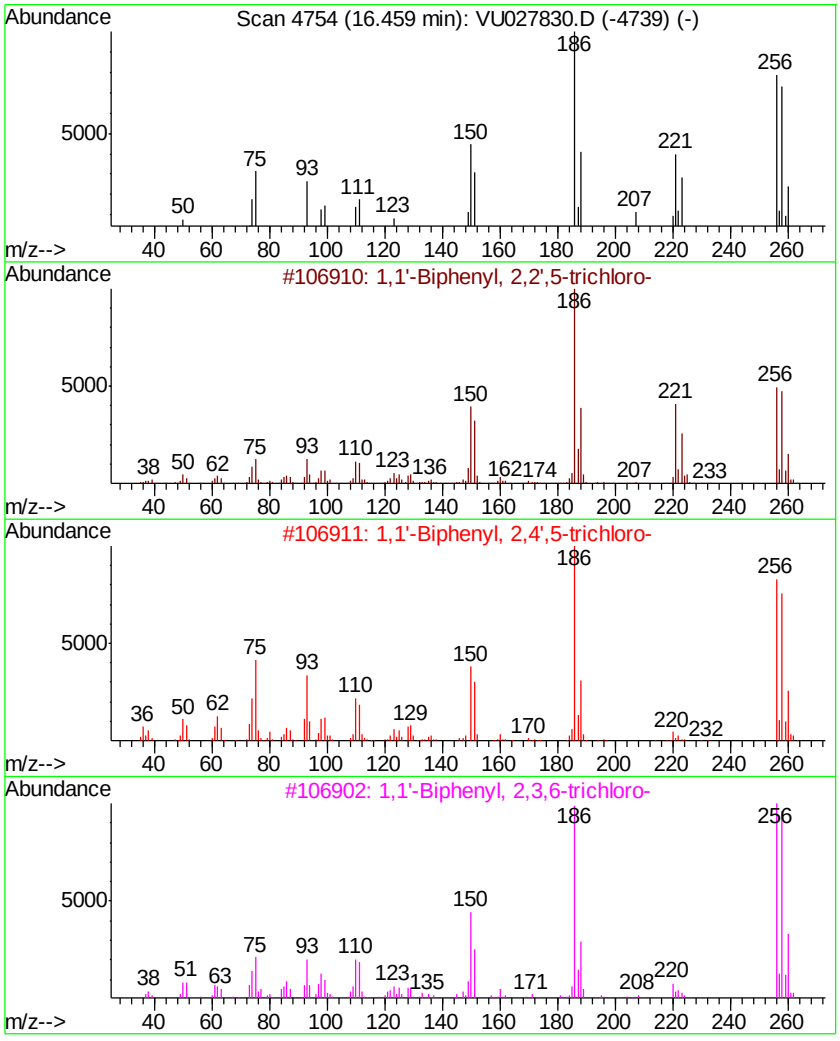
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

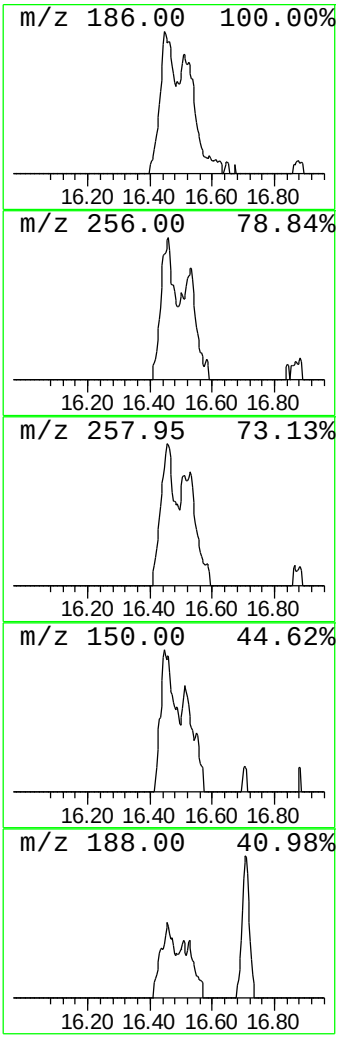
****

Peak Number 7 1,1'-Biphenyl, 2,2',5-trich... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.46	4.03 ug/L	25231	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	98
2	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	96
3	1,1'-Biphenyl, 2,3,6-trichloro-	256	C12H7Cl3	055702-45-9	96
4	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	95
5	1,1'-Biphenyl, 2,4,6-trichloro-	256	C12H7Cl3	035693-92-6	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102618\
Data File : VU027830.D
Acq On : 26 Oct 2018 13:56
Operator : MD/SY
Sample : J5668-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.M
Quant Title : VOC Analysis

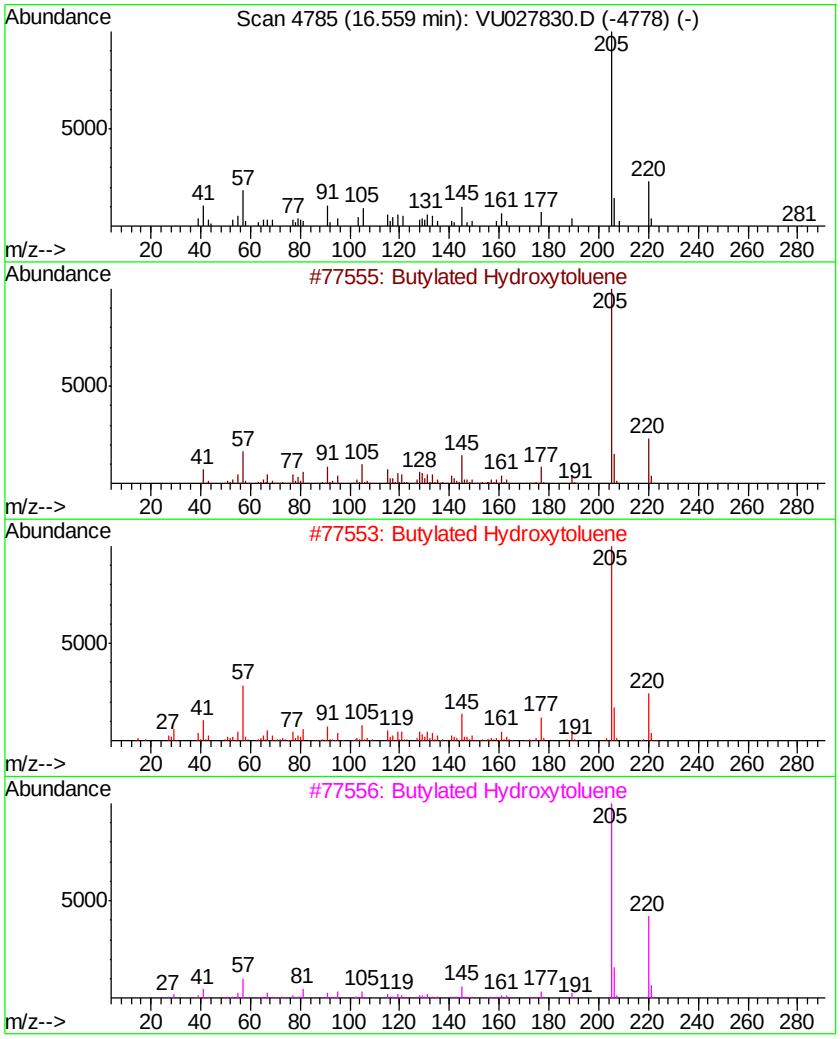
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

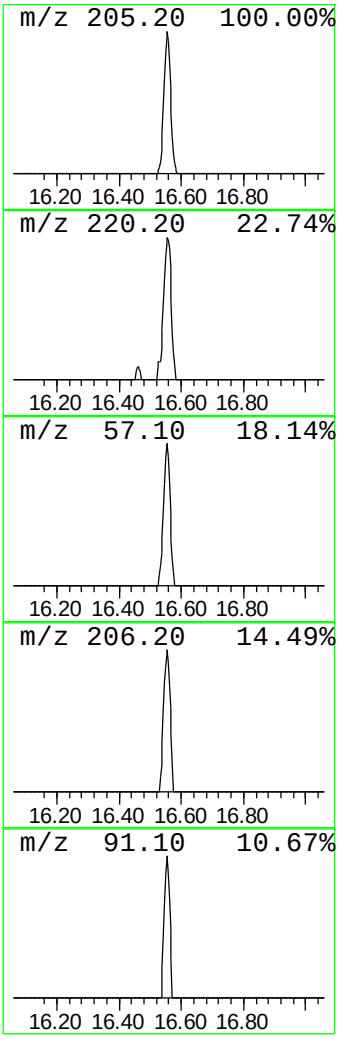
****

Peak Number 8 Butylated Hydroxytoluene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.56	5.69 ug/L	35696	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	97
2	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	91
3	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	90
4	Phenol, 4,6-di(1,1-dimethylethyl...	220	C15H24O	000616-55-7	87
5	Phenol, 4,6-di(1,1-dimethylethyl...	220	C15H24O	000616-55-7	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102618\
Data File : VU027830.D
Acq On : 26 Oct 2018 13:56
Operator : MD/SY
Sample : J5668-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.M
Quant Title : VOC Analysis

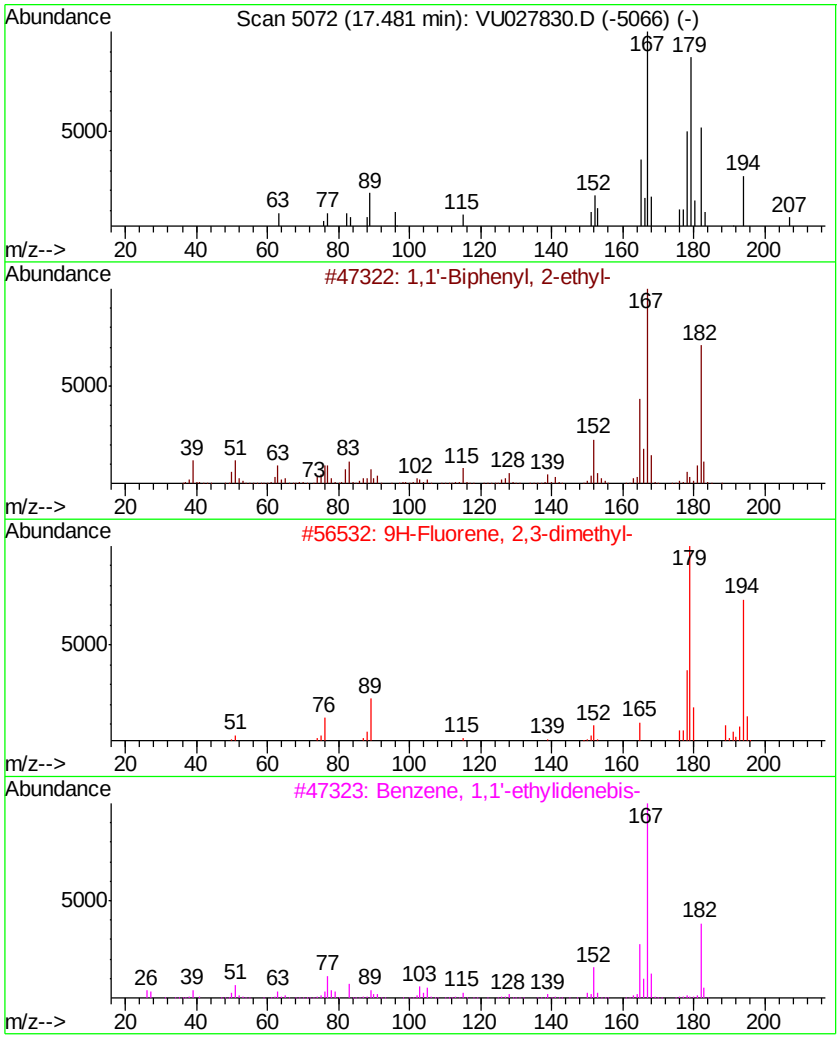
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

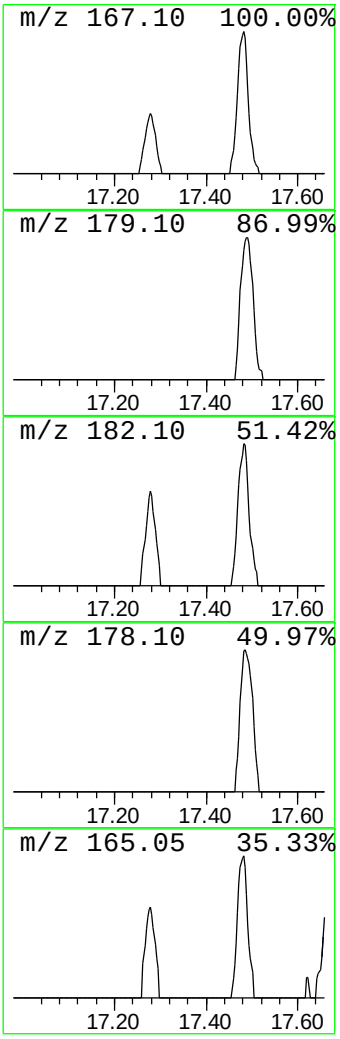
****

Peak Number 9 1,1'-Biphenyl, 2-ethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.48	2.94 ug/L	18452	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-ethyl-	182	C14H14	001812-51-7	60
2	9H-Fluorene, 2,3-dimethyl-	194	C15H14	004612-63-9	50
3	Benzene, 1,1'-ethylidenebis-	182	C14H14	000612-00-0	46
4	4-Ethylbiphenyl	182	C14H14	005707-44-8	46
5	Phenanthrene, 9,10-dihydro-1-met...	194	C15H14	095676-48-5	45





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102618\
Data File : VU027830.D
Acq On : 26 Oct 2018 13:56
Operator : MD/SY
Sample : J5668-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.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
unknown-01	14.28	7.4	ug/L	46173	3	11.48	313399	50.0
1,1'-Biphenyl, 2,...	14.58	22.2	ug/L	139425	3	11.48	313399	50.0
unknown-02	15.88	6.1	ug/L	38440	3	11.48	313399	50.0
1,1'-Biphenyl, 2,...	16.46	4.0	ug/L	25231	3	11.48	313399	50.0
Butylated Hydroxy...	16.56	5.7	ug/L	35696	3	11.48	313399	50.0
1,1'-Biphenyl, 2-...	17.48	2.9	ug/L	18452	3	11.48	313399	50.0