LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102618\
Data File : VU027831.D
Acq On : 26 Oct 2018 14:19
Operator : MD/SY
Sample : J5668-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ3

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	1.276	26	32	35	rBV	2522	3116	0.38%	0.064%
2	1.402	64	71	83	rBV2	152642	166254	20.34%	3.427%
3	1.681	151	158	173	rVB	38756	49531	6.06%	1.021%
4	1.884	217	221	229	rBV5	1471	1783	0.22%	0.037%
5	2.193	311	317	323	rVB5	1319	1863	0.23%	0.038%
6	2.273	332	342	353	rBV	78917	118470	14.50%	2.442%
7	2.373	371	373	375	rBV	206	94	0.01%	0.002%
8	2.447	385	396	410	rBV2	12756	22054	2.70%	0.455%
9	2.504	412	414	417	rVB	241	156	0.02%	0.003%
10	2.623	446	451	456	rVB2	245	338	0.04%	0.007%
11	2.829	510	515	516	rBB2	65	85	0.01%	0.002%
12	2.987	555	564	572	rVB3	1501	2255	0.28%	0.046%
13	3.443	700	706	707	rBV	286	278	0.03%	0.006%
14	4.228	922	950	983	rBV2	290299	817225	100.00%	16.844%
15	4.395	1000	1002	1007	rVB	267	210	0.03%	0.004%
16	4.421	1007	1010	1016	rVB2	153	93	0.01%	0.002%
17	4.565	1052	1055	1058	rBV	189	172	0.02%	0.004%
18	4.652	1065	1082	1103	rBV	67770	158576	19.40%	3.268%
19	4.881	1150	1153	1156	rVB2	258	168	0.02%	0.003%
20	5.057	1205	1208	1212	rBV2	287	293	0.04%	0.006%
21	5.083	1212	1216	1220	rVB	86	95	0.01%	0.002%
22	5.151	1233	1237	1239	rBV	134	84	0.01%	0.002%
23	5.344	1273	1297	1319	rBV2	133641	400865	49.05%	8.262%
24	5.456	1329	1332	1335	rBV2	154	128	0.02%	0.003%
25	5.588	1369	1373	1375	rBV	161	162	0.02%	0.003%
26	5.633	1383	1387	1390	rBB	146	119	0.01%	0.002%
27	5.678	1394	1401	1406	rBB	165	272	0.03%	0.006%
28	5.710	1407	1411	1412	rBV	151	131	0.02%	0.003%
29	5.887	1453	1466	1486	rBV	139686	271483	33.22%	5.596%
30	6.131	1539	1542	1544	rBV	165	142	0.02%	0.003%
31	6.183	1555	1558	1563	rBV	98	86	0.01%	0.002%
32	6.241	1573	1576	1578	rBV	162	146	0.02%	0.003%
33	6.334	1591	1605	1626	rBV	96340	190667	23.33%	3.930%
34	6.459	1642	1644	1647	rVB2	168	93	0.01%	0.002%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102618\
Data File : VU027831.D
Acq On : 26 Oct 2018 14:19
Operator : MD/SY
Sample : J5668-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ3

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	6.729	1726	1728	1732	rVB	159	135	0.02%	0.003%
36	6.768	1736	1740	1741	rBV	171	150	0.02%	0.003%
37	6.803	1748	1751	1754	rBV	166	164	0.02%	0.003%
38	6.861	1762	1769	1779	rVB4	1039	1792	0.22%	0.037%
39	6.932	1788	1791	1792	rBV	143	101	0.01%	0.002%
40	7.099	1840	1843	1848	rBV	98	85	0.01%	0.002%
41	7.228	1872	1883	1905	rVV	54741	96232	11.78%	1.983%
42	7.392	1928	1934	1943	rBV4	1126	1484	0.18%	0.031%
43	7.565	1974	1988	2009	rBV	179803	306723	37.53%	6.322%
44	7.668	2017	2020	2026	rVB3	469	576	0.07%	0.012%
45	7.704	2027	2031	2033	rBV	321	249	0.03%	0.005%
46	7.851	2066	2077	2094	rBV2	38247	63680	7.79%	1.313%
47	8.057	2139	2141	2145	rVV2	177	109	0.01%	0.002%
48	8.183	2165	2180	2194	rBV3	38236	100590	12.31%	2.073%
49	8.311	2212	2220	2242	rVB	166000	291235	35.64%	6.003%
50	8.437	2255	2259	2263	rBV2	222	192	0.02%	0.004%
51	8.475	2266	2271	2275	rVB3	646	648	0.08%	0.013%
52	8.520	2281	2285	2286	rBV	261	158	0.02%	0.003%
53	8.530	2286	2288	2292	rVB2	284	198	0.02%	0.004%
54	8.549	2292	2294	2296	rBV	160	89	0.01%	0.002%
55	8.652	2322	2326	2328	rBV2	331	306	0.04%	0.006%
56	8.691	2334	2338	2341	rBV2	344	365	0.04%	0.008%
57	9.089	2450	2462	2477	rBV	206139	334523	40.93%	6.895%
58	9.958	2730	2732	2737	rVB2	208	111	0.01%	0.002%
59	10.006	2744	2747	2750	rVB2	163	112	0.01%	0.002%
60	10.022	2750	2752	2756	rBV	186	96	0.01%	0.002%
61	10.093	2770	2774	2777	rBV	124	99	0.01%	0.002%
62	10.192	2801	2805	2808	rBV	114	102	0.01%	0.002%
63	10.215	2809	2812	2816	rVB	124	101	0.01%	0.002%
64	10.433	2868	2880	2897	rBV	127239	201730	24.68%	4.158%
65	10.565	2918	2921	2924	rBV	111	93	0.01%	0.002%
66	10.617	2924	2937	2950	rVB2	21386	44513	5.45%	0.917%
67	10.781	2985	2988	2993	rBV	120	127	0.02%	0.003%
68	10.874	3010	3017	3026	rVB3	1103	1797	0.22%	0.037%
69	11.199	3114	3118	3123	rBV	125	146	0.02%	0.003%
70	11.334	3157	3160	3162	rBV	114	85	0.01%	0.002%
71	11.482	3195	3206	3225	rBV	192706	301605	36.91%	6.216%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102618\
Data File : VU027831.D
Acq On : 26 Oct 2018 14:19
Operator : MD/SY
Sample : J5668-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ3

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	11.748	3283	3289	3301	rBV4	1644	2238	0.27%	0.046%
73	11.810	3306	3308	3312	rVB	168	90	0.01%	0.002%
74	11.861	3312	3324	3347	rBV	173539	275915	33.76%	5.687%
75	11.957	3352	3354	3361	rVB	226	223	0.03%	0.005%
76	12.060	3382	3386	3389	rBV	163	172	0.02%	0.004%
77	12.086	3389	3394	3395	rBV2	687	535	0.07%	0.011%
78	12.276	3410	3453	3454	rBV4	58779	249692	30.55%	5.146%
79	12.478	3510	3516	3528	rVB	14682	25588	3.13%	0.527%
80	12.575	3543	3546	3550	rBV2	373	359	0.04%	0.007%
81	12.620	3559	3560	3563	rVB2	251	126	0.02%	0.003%
82	13.102	3707	3710	3713	rBV2	306	260	0.03%	0.005%
83	13.494	3829	3832	3838	rVB2	262	305	0.04%	0.006%
84	13.633	3872	3875	3880	rBV	182	155	0.02%	0.003%
85	13.829	3933	3936	3939	rBV	132	83	0.01%	0.002%
86	13.874	3948	3950	3953	rBV	157	85	0.01%	0.002%
87	13.919	3961	3964	3967	rVB2	216	146	0.02%	0.003%
88	13.938	3967	3970	3973	rBV	192	105	0.01%	0.002%
89	14.096	4017	4019	4022	rBV2	140	88	0.01%	0.002%
90	14.128	4026	4029	4031	rBV2	193	123	0.02%	0.003%
91	14.224	4035	4059	4066	rBV7	5535	20071	2.46%	0.414%
92	14.279	4067	4076	4091	rVB	30941	51714	6.33%	1.066%
93	14.350	4091	4098	4102	rBV4	1033	1527	0.19%	0.031%
94	14.469	4133	4135	4137	rBV	241	105	0.01%	0.002%
95	14.578	4141	4169	4209	rBV5	31681	156648	19.17%	3.229%
96	15.337	4402	4405	4408	rBV	302	256	0.03%	0.005%
97	15.668	4495	4508	4530	rVB9	5157	17046	2.09%	0.351%
98	15.880	4564	4574	4587	rVB	26116	42305	5.18%	0.872%
99	16.456	4737	4753	4762	rBV6	12570	35707	4.37%	0.736%
100	17.485	5067	5073	5086	rVB6	7564	12141	1.49%	0.250%

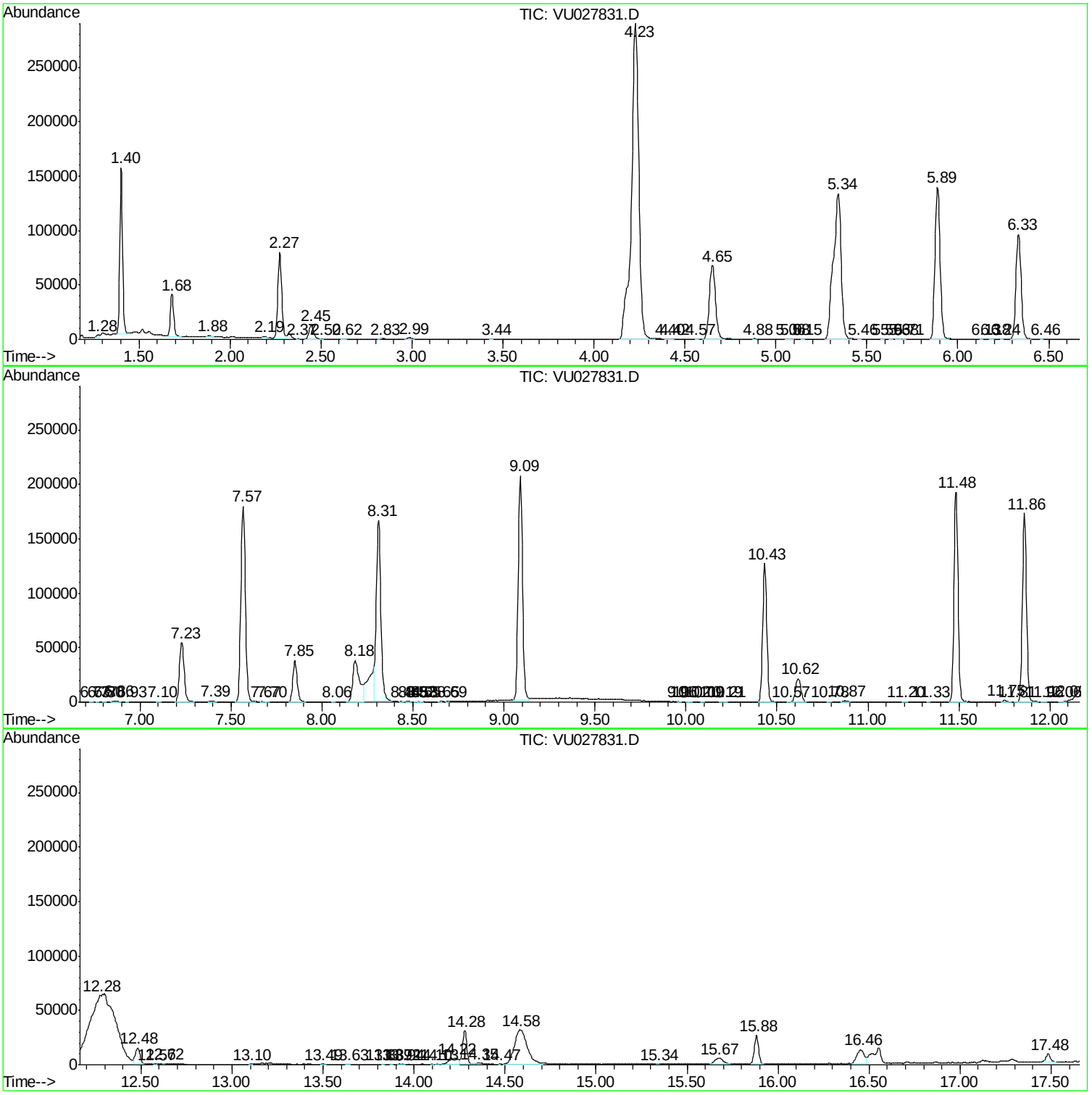
Sum of corrected areas: 4851796

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102618\
Data File : VU027831.D
Acq On : 26 Oct 2018 14:19
Operator : MD/SY
Sample : J5668-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETBQ3

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102618\
Data File : VU027831.D
Acq On : 26 Oct 2018 14:19
Operator : MD/SY
Sample : J5668-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ3

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

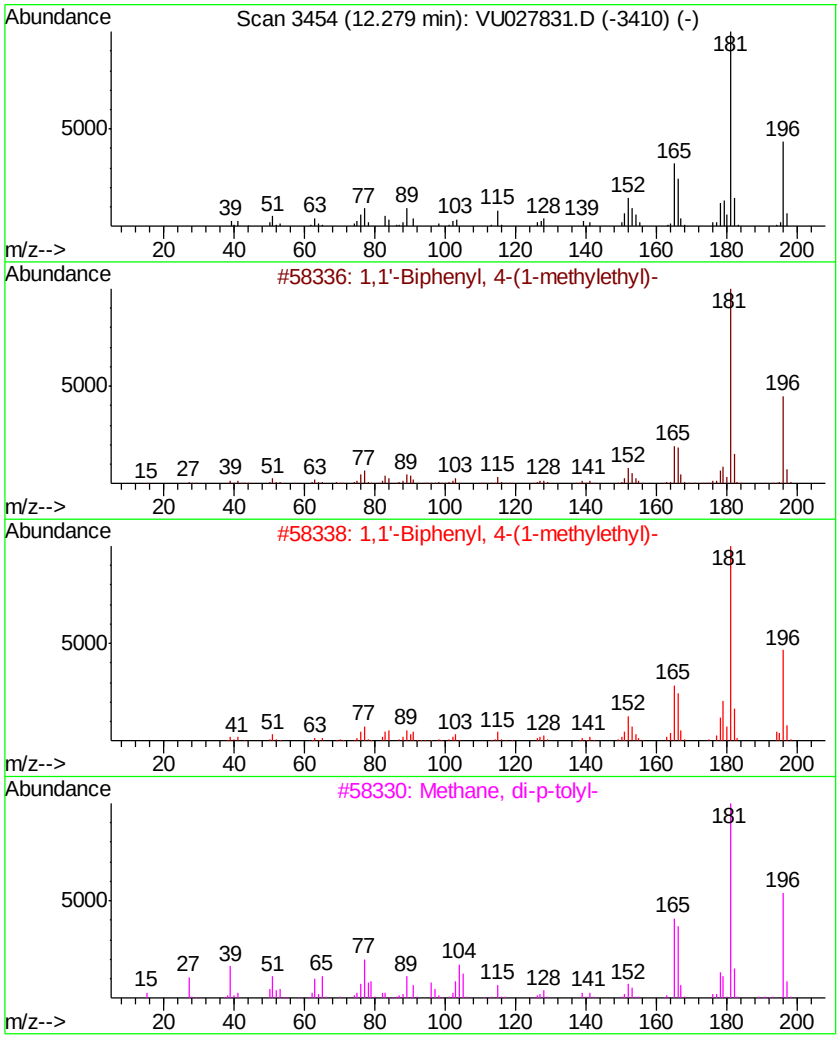
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

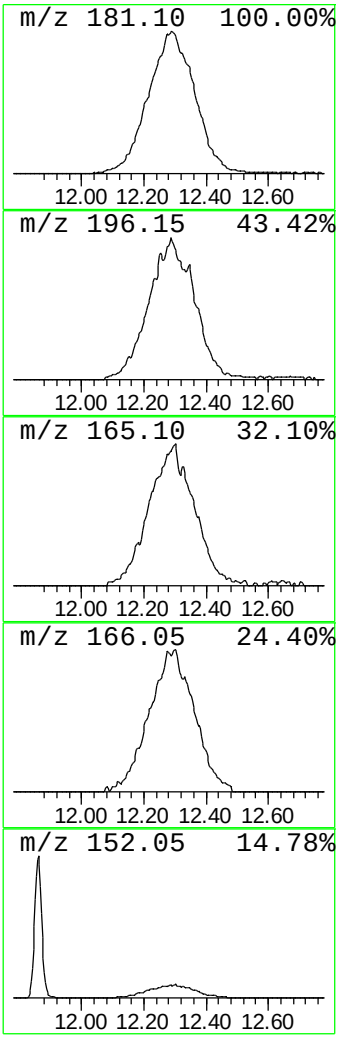
****

Peak Number 5 1,1'-Biphenyl, 4-(1-methyle... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	41.39 ug/L	249692	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-(1-methylethyl)-	196	C15H16	007116-95-2	97
2	1,1'-Biphenyl, 4-(1-methylethyl)-	196	C15H16	007116-95-2	94
3	Methane, di-p-tolyl-	196	C15H16	004957-14-6	94
4	Benzene, 1,2-dimethyl-4-(phenylm...	196	C15H16	013540-56-2	94
5	Benzene, 3,5-dimethyl-1-(phenylm...	196	C15H16	028122-27-2	93





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102618\
Data File : VU027831.D
Acq On : 26 Oct 2018 14:19
Operator : MD/SY
Sample : J5668-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ3

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

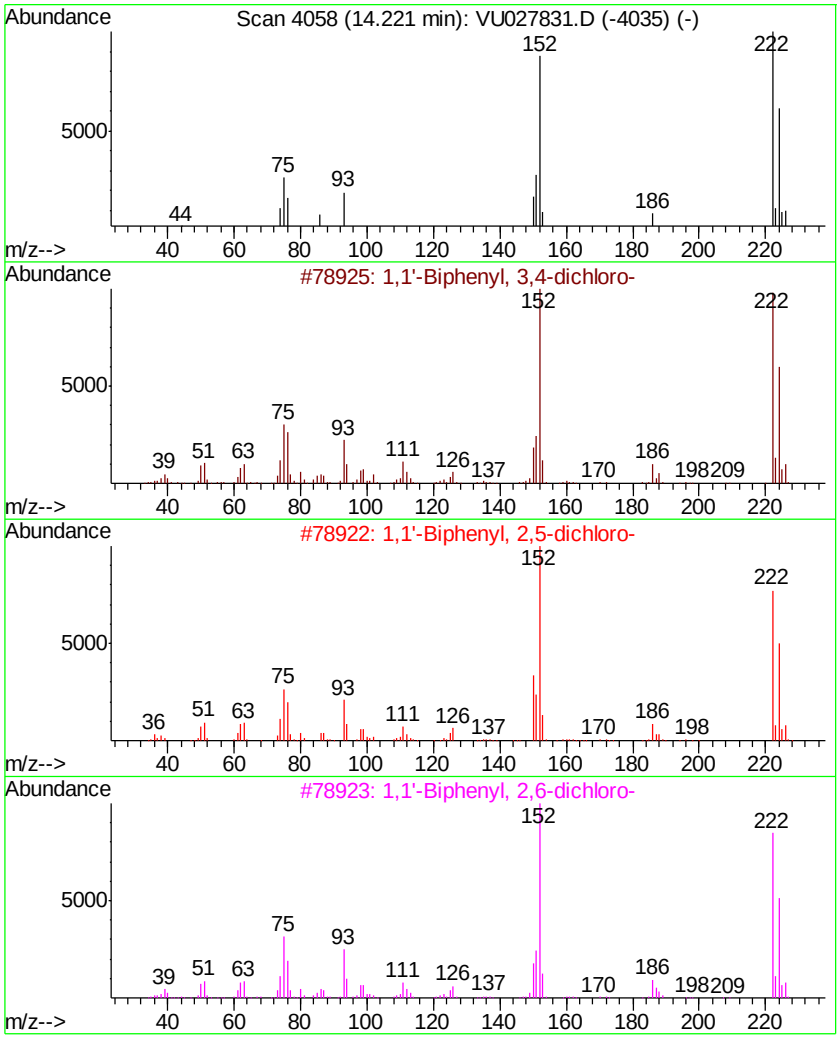
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

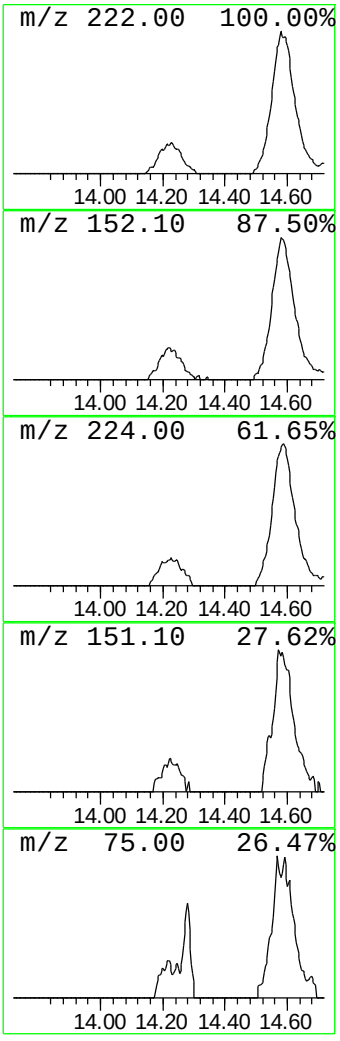
****

Peak Number 7 1,1'-Biphenyl, 3,4-dichloro- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.22	3.33 ug/L	20071	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3,4-dichloro-	222	C12H8Cl2	002974-92-7	95
2	1,1'-Biphenyl, 2,5-dichloro-	222	C12H8Cl2	034883-39-1	94
3	1,1'-Biphenyl, 2,6-dichloro-	222	C12H8Cl2	033146-45-1	93
4	1,1'-Biphenyl 2,3'-dichloro-	222	C12H8Cl2	025569-80-6	93
5	1,1'-Biphenyl, 2,4'-dichloro-	222	C12H8Cl2	034883-43-7	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102618\
Data File : VU027831.D
Acq On : 26 Oct 2018 14:19
Operator : MD/SY
Sample : J5668-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ3

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

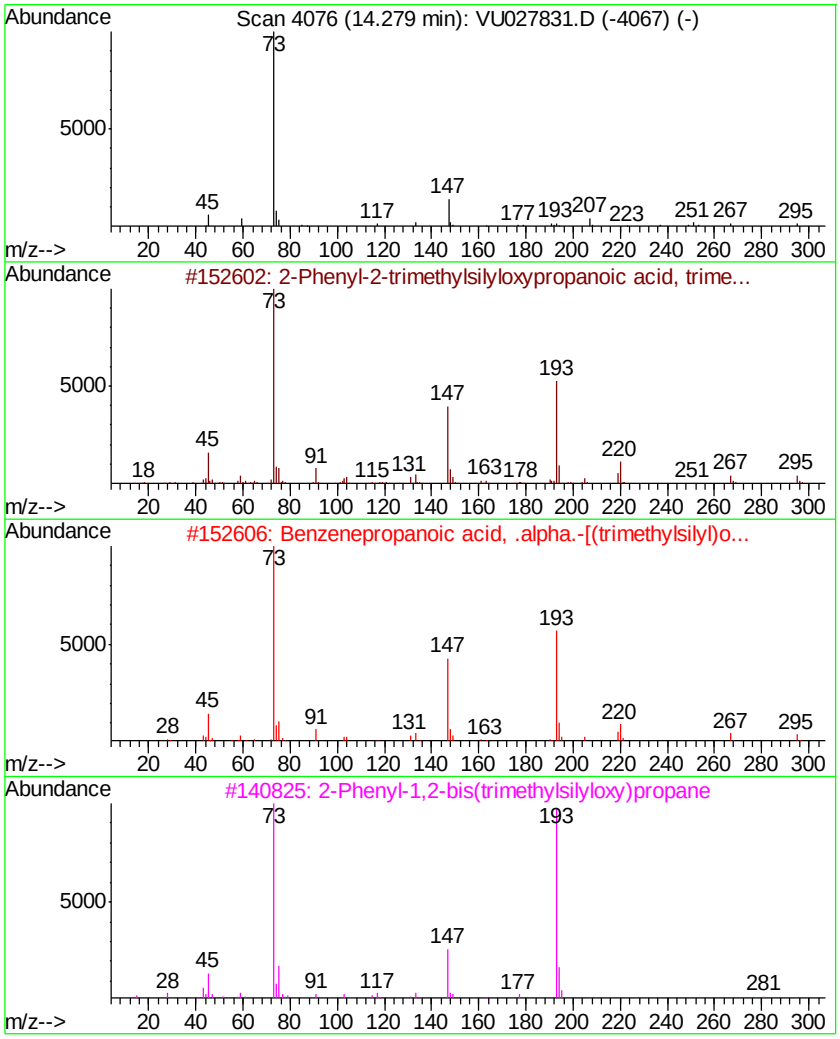
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

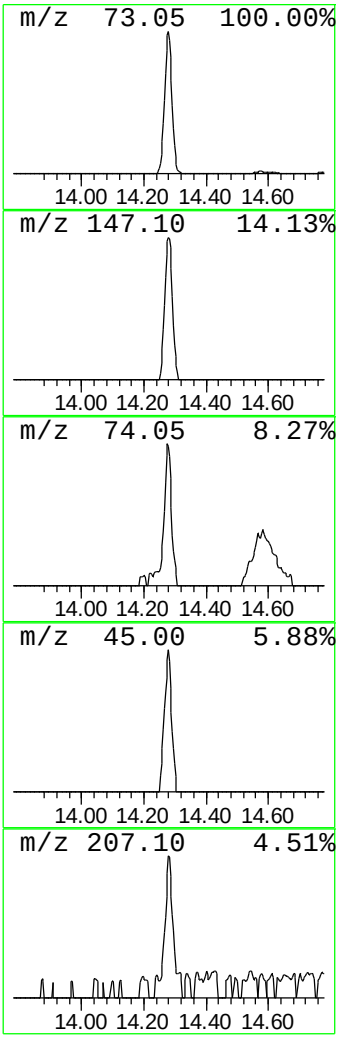
****

Peak Number 8 unknown-01 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	8.57 ug/L	51714	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenyl-2-trimethylsilyloxypropanoic acid, trime...	310	C15H26O3Si2	082326-12-3	40
2	Benzenepropanoic acid, .alpha.-[...	310	C15H26O3Si2	027750-45-4	40
3	2-Phenyl-1,2-bis(trimethylsilylo...	296	C15H28O2Si2	294847-15-7	38
4	3,6,9-Trioxa-2,10-disilaundecane...	250	C10H26O3Si2	016654-74-3	28
5	Silane, [[3,3-dimethyl-4-methyle...	282	C15H30OSi2	095798-07-5	28





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102618\
Data File : VU027831.D
Acq On : 26 Oct 2018 14:19
Operator : MD/SY
Sample : J5668-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ3

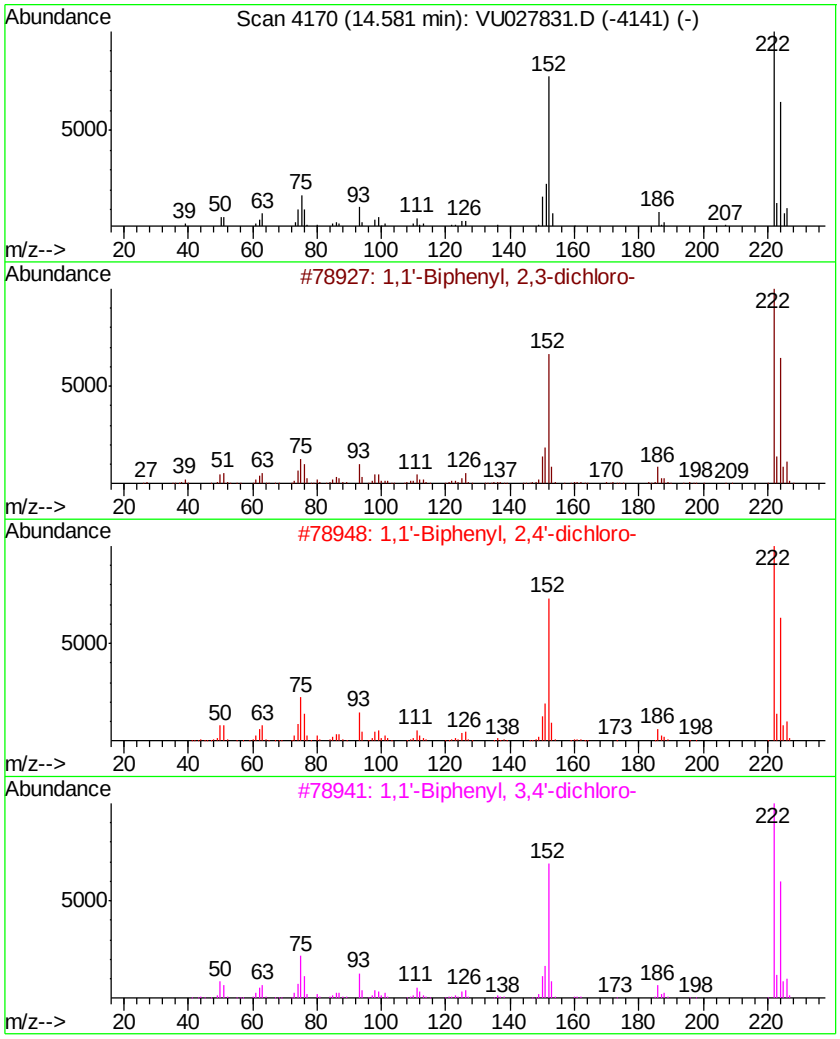
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.M
Quant Title : VOC Analysis

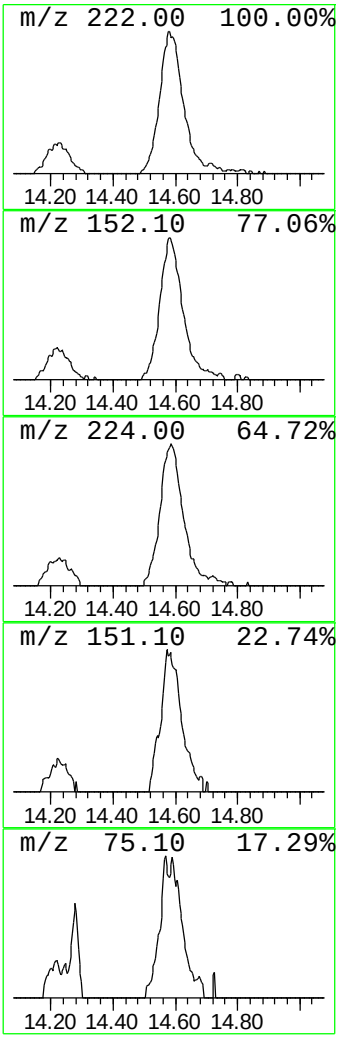
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 1,1'-Biphenyl, 2,3-dichloro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.58	25.97 ug/L	156648	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	99
2	1,1'-Biphenyl, 2,4'-dichloro-	222	C12H8Cl2	034883-43-7	98
3	1,1'-Biphenyl, 3,4'-dichloro-	222	C12H8Cl2	002974-90-5	98
4	1,1'-Biphenyl, 3,5-dichloro-	222	C12H8Cl2	034883-41-5	98
5	1,1'-Biphenyl, 3,3'-dichloro-	222	C12H8Cl2	002050-67-1	98





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102618\
Data File : VU027831.D
Acq On : 26 Oct 2018 14:19
Operator : MD/SY
Sample : J5668-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ3

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

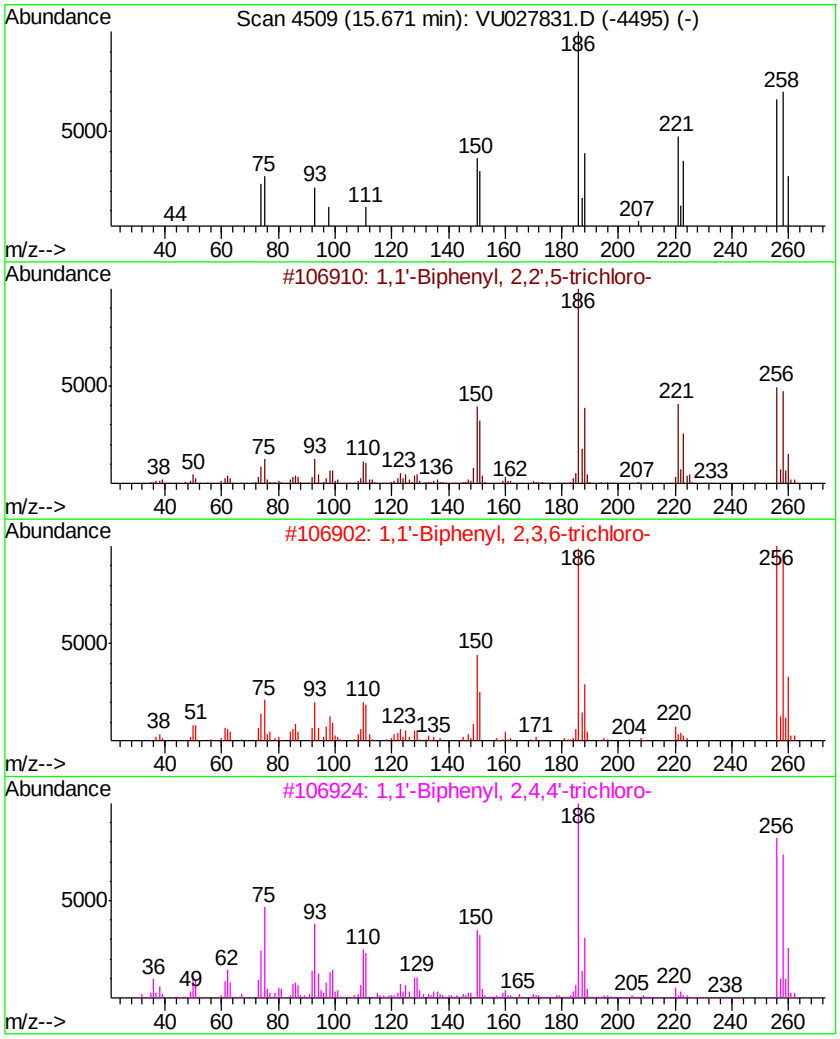
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

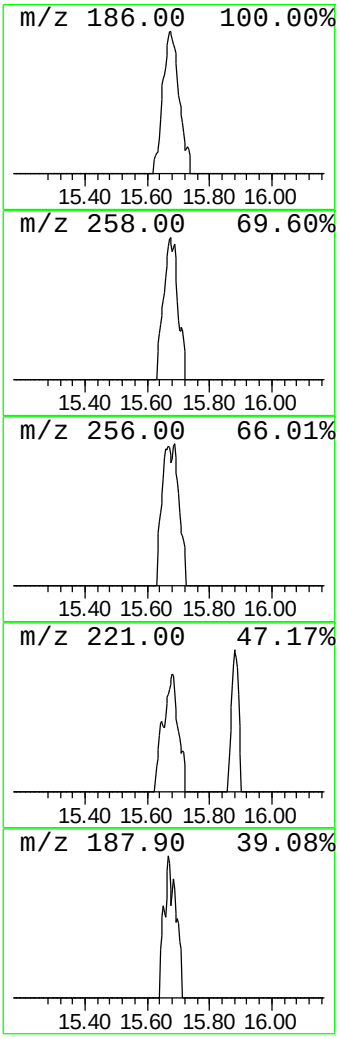
****

Peak Number 10 1,1'-Biphenyl, 2,2',5-trich... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	2.83 ug/L	17046	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	97
2	1,1'-Biphenyl, 2,3,6-trichloro-	256	C12H7Cl3	055702-45-9	87
3	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	81
4	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	76
5	1,1'-Biphenyl, 2,4,6-trichloro-	256	C12H7Cl3	035693-92-6	74





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Data File : VU027831.D
Acq On : 26 Oct 2018 14:19
Operator : MD/SY
Sample : J5668-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ3

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

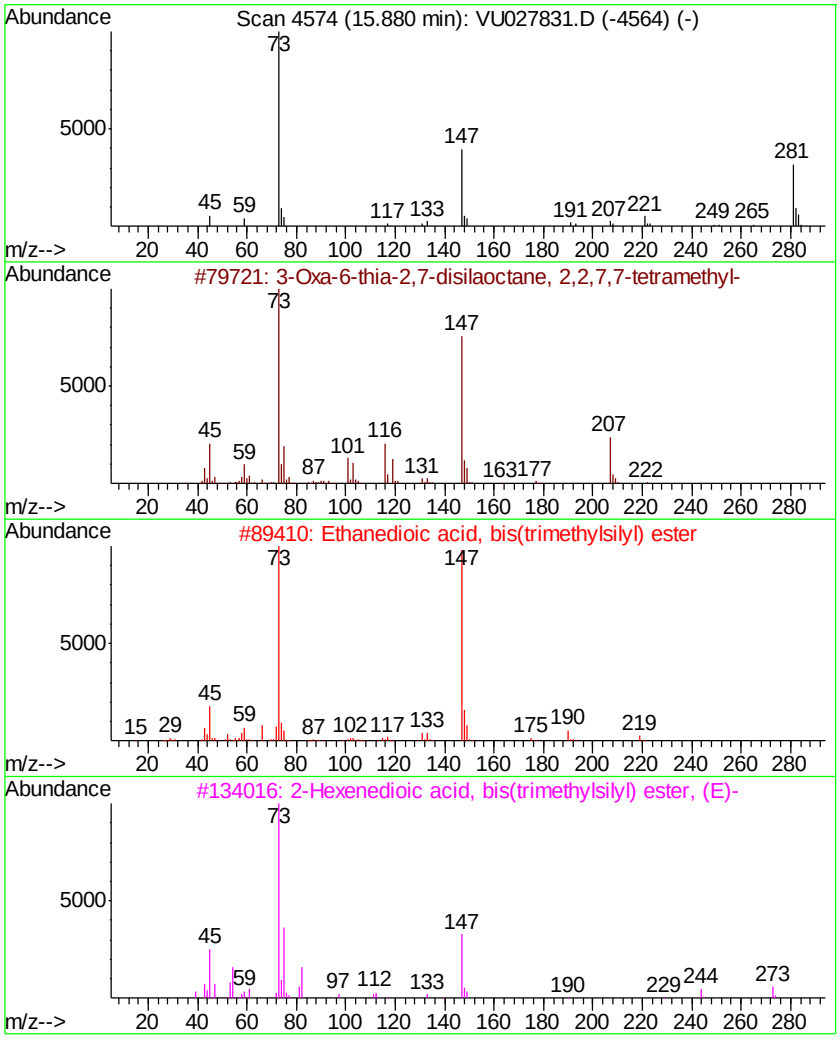
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

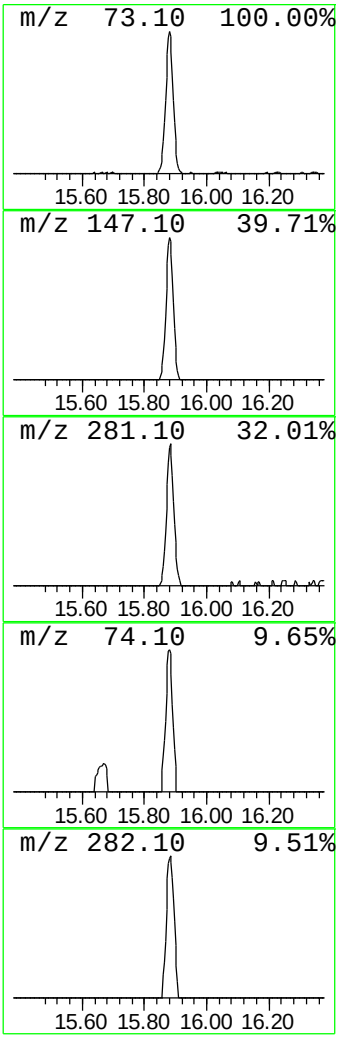
****

Peak Number 11 unknown-02 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	7.01 ug/L	42305	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	38
2	Ethanedioic acid, bis(trimethyls...	234	C8H18O4Si2	018294-04-7	37
3	2-Hexenedioic acid, bis(trimethy...	288	C12H24O4Si2	055494-10-5	37
4	Butanoic acid, 2-[(trimethylsily...	248	C10H24O3Si2	055133-93-2	25
5	Ethanedioic acid, bis(trimethyls...	234	C8H18O4Si2	018294-04-7	25





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102618\
Data File : VU027831.D
Acq On : 26 Oct 2018 14:19
Operator : MD/SY
Sample : J5668-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ3

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

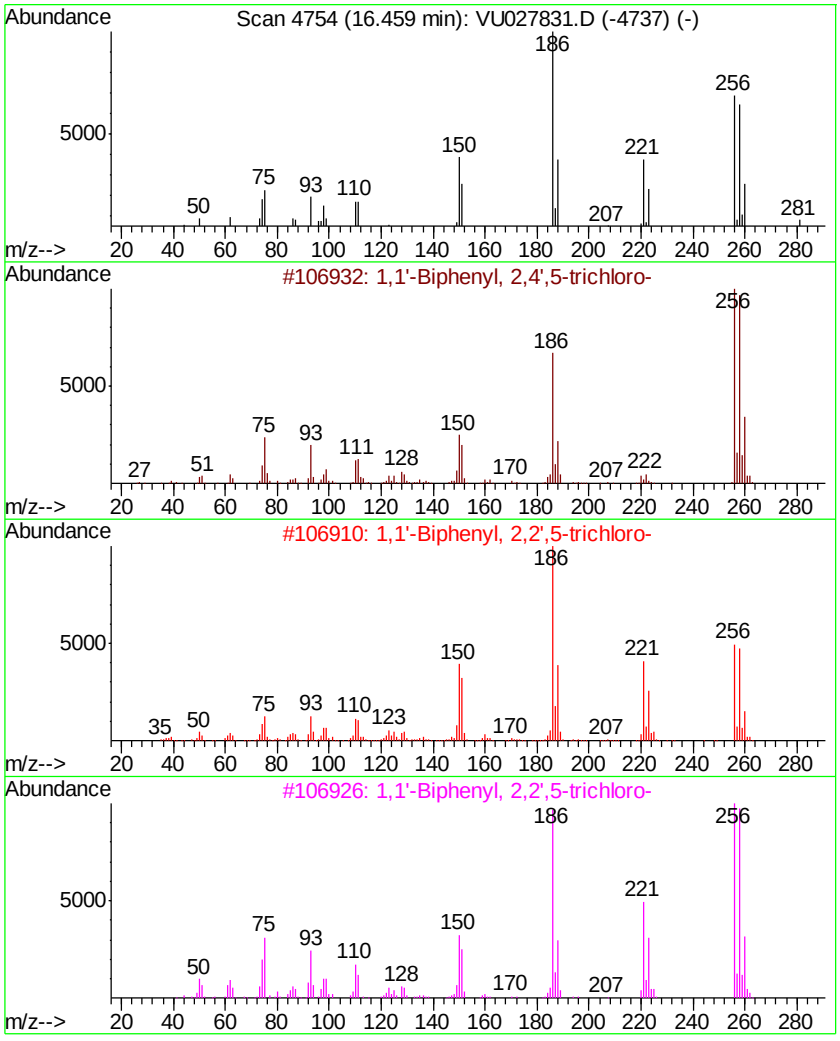
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

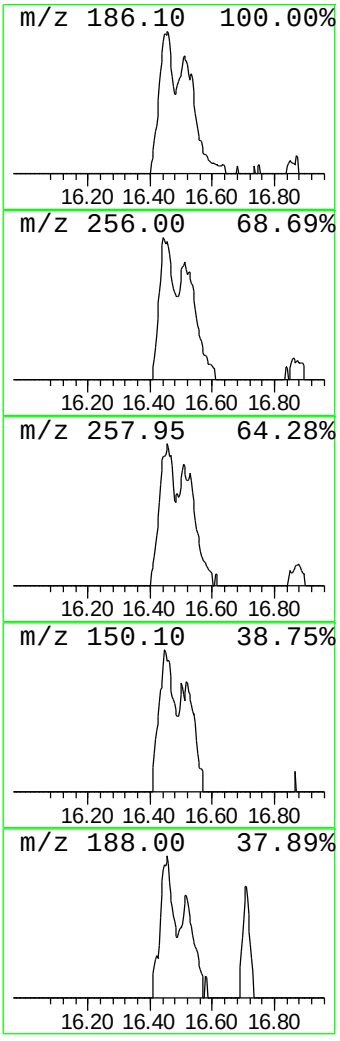
****

Peak Number 12 1,1'-Biphenyl, 2,4',5-trich... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.46	5.92 ug/L	35707	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	99
2	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	99
3	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	98
4	1,1'-Biphenyl, 2,3,6-trichloro-	256	C12H7Cl3	055702-45-9	98
5	1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	97





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102618\
Data File : VU027831.D
Acq On : 26 Oct 2018 14:19
Operator : MD/SY
Sample : J5668-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ3

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
1,1'-Biphenyl, 4-...	12.28	41.4	ug/L	249692	3	11.48	301605	50.0
1,1'-Biphenyl, 3,...	14.22	3.3	ug/L	20071	3	11.48	301605	50.0
unknown-01	14.28	8.6	ug/L	51714	3	11.48	301605	50.0
1,1'-Biphenyl, 2,...	14.58	26.0	ug/L	156648	3	11.48	301605	50.0
1,1'-Biphenyl, 2,...	15.67	2.8	ug/L	17046	3	11.48	301605	50.0
unknown-02	15.88	7.0	ug/L	42305	3	11.48	301605	50.0
1,1'-Biphenyl, 2,...	16.46	5.9	ug/L	35707	3	11.48	301605	50.0