LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102618\
Data File : VU027833.D
Acq On : 26 Oct 2018 15:05
Operator : MD/SY
Sample : J5668-07
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ8

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	1.308	36	42	45	rBV3	6500	7869	1.24%	0.183%
2	1.398	65	70	82	rVB2	58979	63390	9.99%	1.473%
3	1.681	152	158	171	rVB	37046	46689	7.36%	1.085%
4	2.276	332	343	353	rBV	76701	117032	18.45%	2.720%
5	2.382	369	376	382	rVB6	1285	2126	0.34%	0.049%
6	2.447	383	396	415	rBV	14626	25483	4.02%	0.592%
7	2.543	424	426	430	rBV2	279	184	0.03%	0.004%
8	2.987	554	564	578	rVB	6165	10738	1.69%	0.250%
9	3.103	598	600	603	rBV	130	115	0.02%	0.003%
10	3.154	612	616	617	rBV2	155	118	0.02%	0.003%
11	3.225	633	638	643	rBV	79	106	0.02%	0.002%
12	4.135	918	921	922	rBV	197	135	0.02%	0.003%
13	4.180	922	935	938	rBV	45533	76536	12.06%	1.779%
14	4.402	1000	1004	1006	rVV2	255	150	0.02%	0.003%
15	4.517	1037	1040	1048	rVB	240	313	0.05%	0.007%
16	4.566	1049	1055	1059	rBB	208	295	0.05%	0.007%
17	4.652	1065	1082	1103	rBV	67469	157543	24.83%	3.661%
18	4.984	1181	1185	1188	rBV2	160	116	0.02%	0.003%
19	5.006	1189	1192	1197	rBV2	175	176	0.03%	0.004%
20	5.070	1209	1212	1215	rBV2	169	119	0.02%	0.003%
21	5.173	1241	1244	1248	rBV	188	199	0.03%	0.005%
22	5.344	1273	1297	1321	rBV2	132685	397146	62.59%	9.229%
23	5.537	1355	1357	1360	rBV	138	122	0.02%	0.003%
24	5.614	1375	1381	1389	rBV	149	190	0.03%	0.004%
25	5.665	1394	1397	1399	rVB	163	110	0.02%	0.003%
26	5.710	1408	1411	1414	rBV	163	157	0.02%	0.004%
27	5.749	1419	1423	1428	rVB	203	265	0.04%	0.006%
28	5.816	1441	1444	1447	rVB	151	129	0.02%	0.003%
29	5.887	1452	1466	1489	rBV	137650	269617	42.49%	6.266%
30	6.189	1546	1560	1586	rVV	327731	634487	100.00%	14.745%
31	6.334	1591	1605	1627	rVB2	96944	188825	29.76%	4.388%
32	6.537	1665	1668	1673	rBV	110	114	0.02%	0.003%
33	6.733	1726	1729	1732	rBV	175	162	0.03%	0.004%
34	6.768	1738	1740	1742	rBV	142	100	0.02%	0.002%

LSC Area Percent Report

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Data File : VU027833.D
Acq On : 26 Oct 2018 15:05
Operator : MD/SY
Sample : J5668-07
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ8

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	6.858	1762	1768	1783	rVB4	1339	2564	0.40%	0.060%
36	7.041	1822	1825	1827	rBV	155	127	0.02%	0.003%
37	7.128	1849	1852	1856	rBV	142	169	0.03%	0.004%
38	7.151	1856	1859	1864	rVV	90	109	0.02%	0.003%
39	7.228	1872	1883	1901	rBV	53061	94859	14.95%	2.204%
40	7.395	1927	1935	1943	rBV6	972	1412	0.22%	0.033%
41	7.466	1951	1957	1958	rBV	1026	856	0.13%	0.020%
42	7.565	1975	1988	2006	rBV	175735	306053	48.24%	7.112%
43	7.784	2054	2056	2061	rBV	170	153	0.02%	0.004%
44	7.852	2066	2077	2092	rBV	37805	63212	9.96%	1.469%
45	7.922	2097	2099	2104	rVB2	580	374	0.06%	0.009%
46	7.999	2121	2123	2126	rVB	210	94	0.01%	0.002%
47	8.183	2165	2180	2194	rBV2	36527	87467	13.79%	2.033%
48	8.311	2211	2220	2244	rVB	157422	274439	43.25%	6.378%
49	8.469	2266	2269	2271	rBV3	522	334	0.05%	0.008%
50	8.871	2390	2394	2398	rVB3	238	171	0.03%	0.004%
51	8.916	2406	2408	2411	rBV2	157	105	0.02%	0.002%
52	8.993	2429	2432	2435	rVB2	238	185	0.03%	0.004%
53	9.015	2436	2439	2441	rBV2	247	133	0.02%	0.003%
54	9.089	2451	2462	2482	rBV	201519	325032	51.23%	7.553%
55	9.228	2501	2505	2506	rBV	344	276	0.04%	0.006%
56	9.382	2546	2553	2562	rVB4	1728	2647	0.42%	0.062%
57	9.784	2671	2678	2679	rBV4	1265	1280	0.20%	0.030%
58	9.932	2718	2724	2727	rBV2	330	435	0.07%	0.010%
59	10.044	2758	2759	2762	rVB	224	103	0.02%	0.002%
60	10.218	2810	2813	2819	rBV	99	111	0.02%	0.003%
61	10.250	2819	2823	2827	rBV	103	103	0.02%	0.002%
62	10.433	2868	2880	2896	rVV	125944	200391	31.58%	4.657%
63	10.614	2922	2936	2954	rBV2	16958	33558	5.29%	0.780%
64	10.877	3009	3018	3026	rVB	1069	1505	0.24%	0.035%
65	11.150	3098	3103	3108	rBV2	410	472	0.07%	0.011%
66	11.289	3142	3146	3153	rBV	159	249	0.04%	0.006%
67	11.318	3153	3155	3162	rVB3	535	478	0.08%	0.011%
68	11.485	3195	3207	3224	rBV	196202	303916	47.90%	7.063%
69	11.562	3229	3231	3233	rVV2	190	115	0.02%	0.003%
70	11.581	3235	3237	3244	rVV4	510	542	0.09%	0.013%
71	11.623	3247	3250	3254	rBV	147	110	0.02%	0.003%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102618\
Data File : VU027833.D
Acq On : 26 Oct 2018 15:05
Operator : MD/SY
Sample : J5668-07
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ8

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	11.749	3281	3289	3306	rBV4	3403	6356	1.00%	0.148%
73	11.861	3312	3324	3341	rBV	174730	277103	43.67%	6.440%
74	11.983	3355	3362	3370	rVB	956	1576	0.25%	0.037%
75	12.102	3397	3399	3403	rBV2	131	103	0.02%	0.002%
76	12.292	3403	3458	3459	rBV6	34861	142280	22.42%	3.306%
77	12.617	3551	3559	3566	rBV4	2589	3869	0.61%	0.090%
78	12.665	3571	3574	3575	rBV2	349	225	0.04%	0.005%
79	12.703	3582	3586	3591	rVB4	353	374	0.06%	0.009%
80	12.758	3599	3603	3604	rBV2	294	208	0.03%	0.005%
81	12.858	3627	3634	3638	rBV	186	314	0.05%	0.007%
82	13.121	3714	3716	3719	rBV2	267	179	0.03%	0.004%
83	13.398	3794	3802	3809	rVB7	1812	2450	0.39%	0.057%
84	13.433	3809	3813	3816	rBV	287	197	0.03%	0.005%
85	13.642	3874	3878	3884	rBV	161	186	0.03%	0.004%
86	13.671	3884	3887	3888	rBV	226	108	0.02%	0.003%
87	13.745	3900	3910	3928	rBV	11264	18646	2.94%	0.433%
88	13.867	3945	3948	3950	rBV	231	151	0.02%	0.004%
89	13.928	3964	3967	3971	rVV2	213	173	0.03%	0.004%
90	13.961	3975	3977	3980	rVV	185	93	0.01%	0.002%
91	14.121	4022	4027	4028	rBV	196	149	0.02%	0.003%
92	14.276	4068	4075	4087	rVB	20702	34134	5.38%	0.793%
93	14.334	4091	4093	4095	rBV	306	152	0.02%	0.004%
94	14.588	4150	4172	4173	rBV2	19675	38281	6.03%	0.890%
95	14.890	4263	4266	4267	rBV	446	251	0.04%	0.006%
96	15.073	4317	4323	4325	rBV4	527	574	0.09%	0.013%
97	15.678	4497	4511	4529	rBV9	4089	11747	1.85%	0.273%
98	15.883	4564	4575	4587	rVB	17733	28357	4.47%	0.659%
99	16.459	4739	4754	4763	rBV10	10227	29639	4.67%	0.689%
100	16.707	4829	4831	4835	rBV2	607	294	0.05%	0.007%

Sum of corrected areas: 4303164

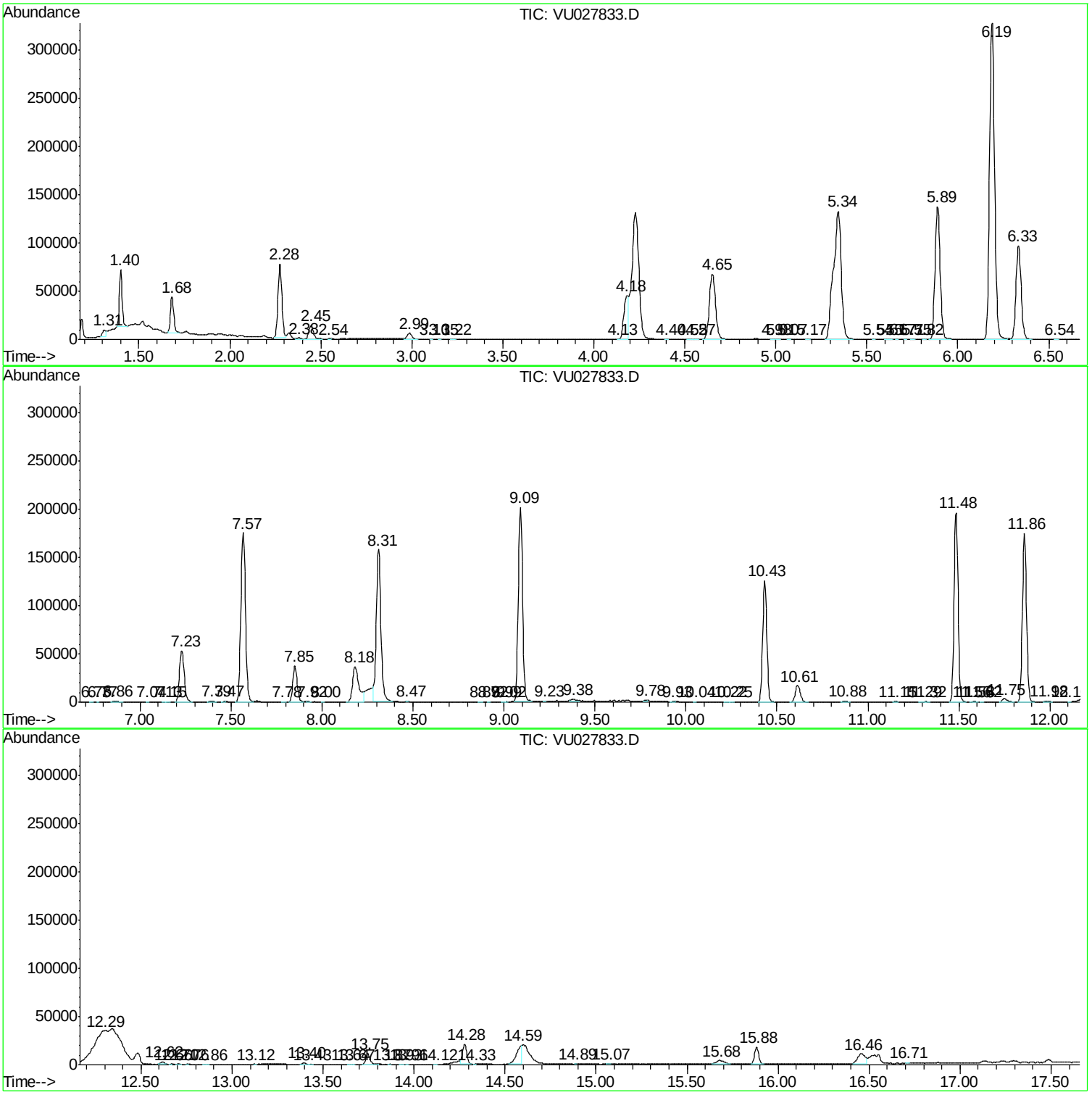
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102618\
Data File : VU027833.D
Acq On : 26 Oct 2018 15:05
Operator : MD/SY
Sample : J5668-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ8

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 : VU027833.D
Acq On : 26 Oct 2018 15:05
Operator : MD/SY
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Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ8

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

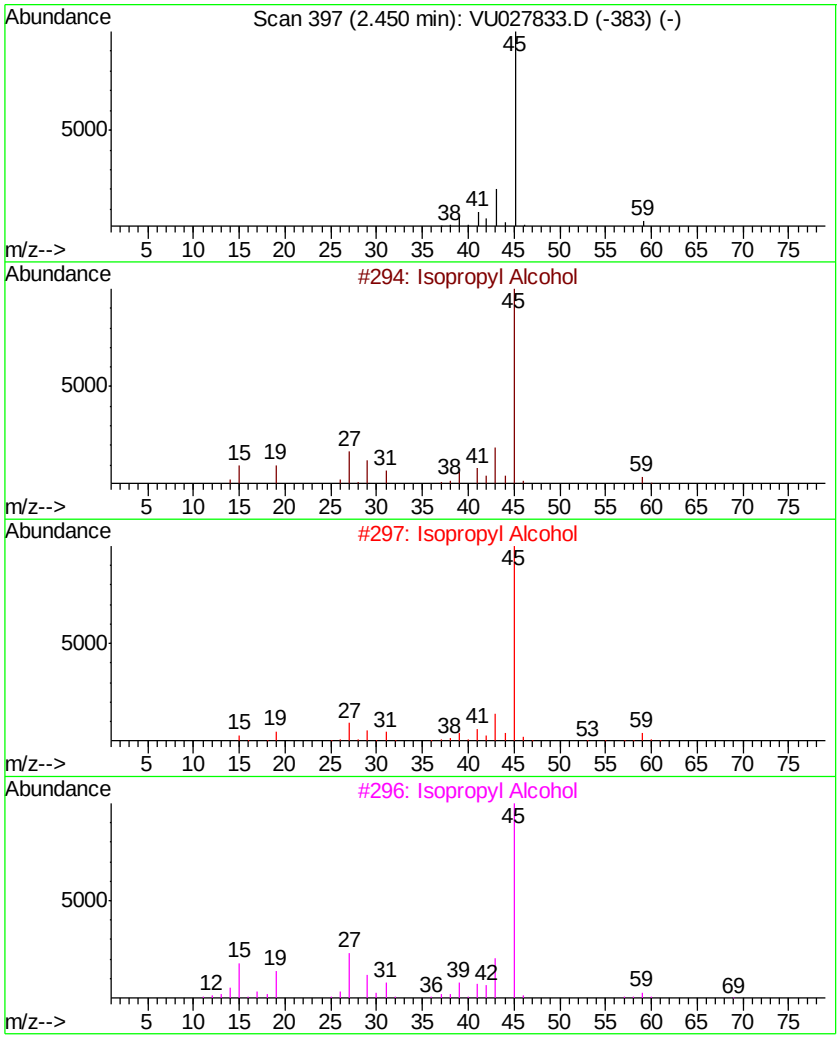
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

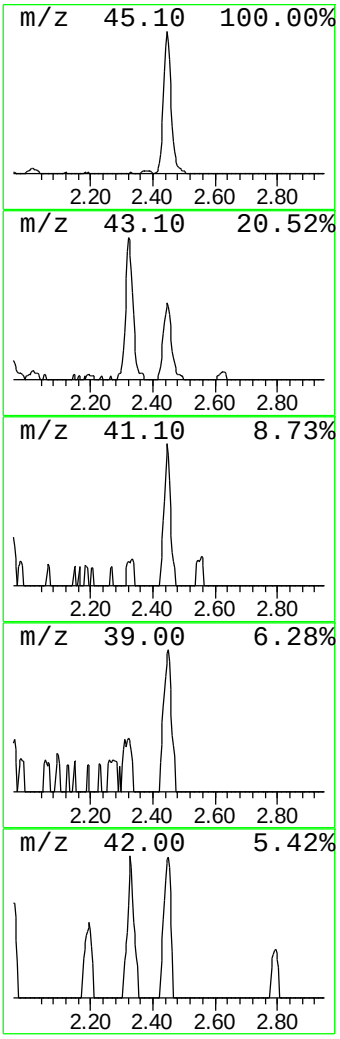
****

Peak Number 1 Isopropyl Alcohol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.45	4.73 ug/L	25483	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl Alcohol	60	C3H8O	000067-63-0	74
2	Isopropyl Alcohol	60	C3H8O	000067-63-0	64
3	Isopropyl Alcohol	60	C3H8O	000067-63-0	9
4	4-Penten-2-ol	86	C5H10O	000625-31-0	9
5	Isopropyl Alcohol	60	C3H8O	000067-63-0	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102618\
Data File : VU027833.D
Acq On : 26 Oct 2018 15:05
Operator : MD/SY
Sample : J5668-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ8

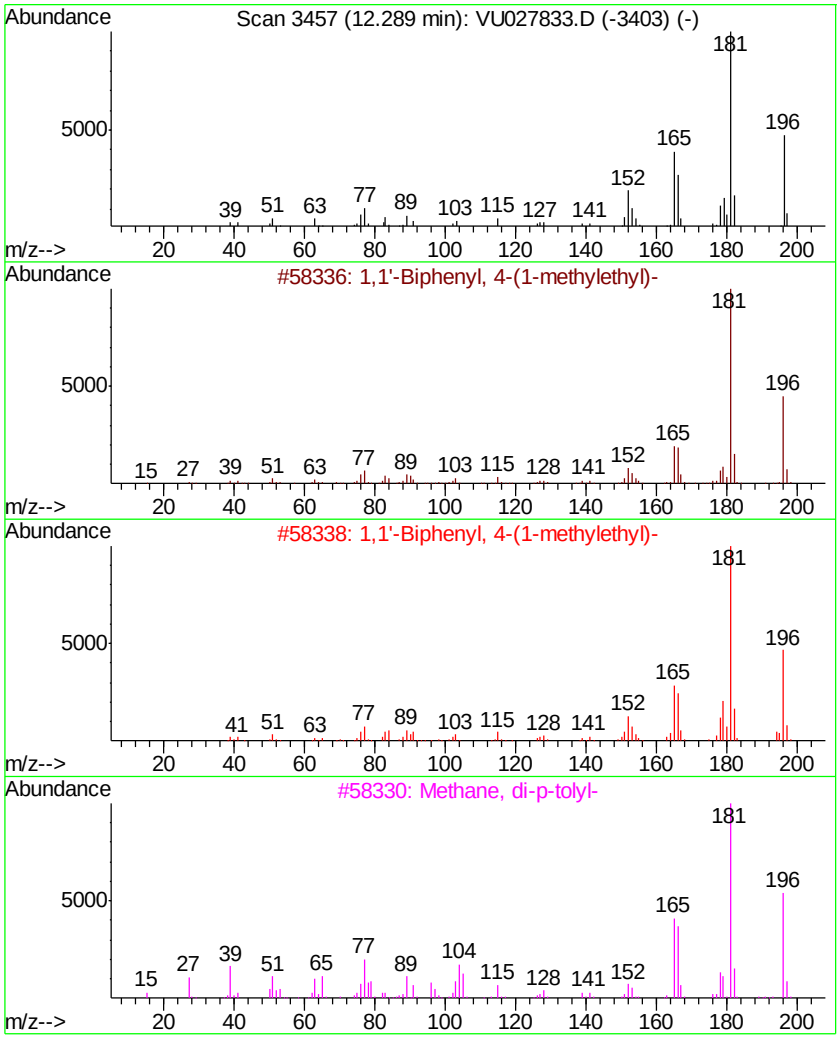
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.M
Quant Title : VOC Analysis

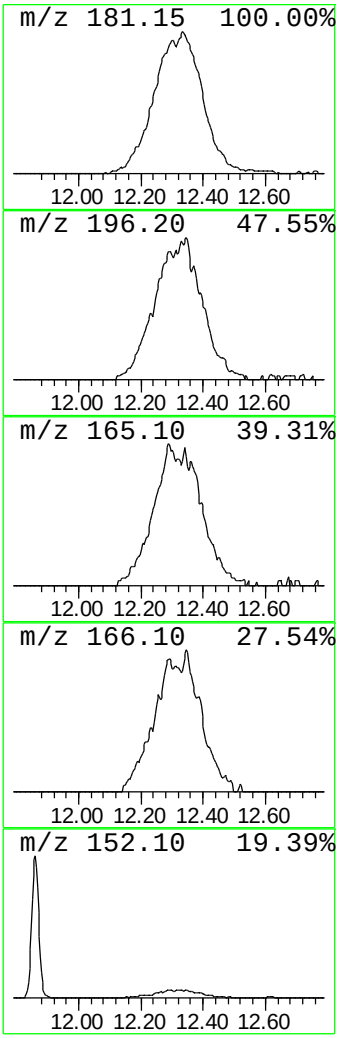
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	23.41 ug/L	142280	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	95
2	1,1'-Biphenyl, 4-(1-methylethyl)-	196	C15H16	007116-95-2	94
3	Methane, di-p-tolyl-	196	C15H16	004957-14-6	93
4	Benzene, 1,2-dimethyl-4-(phenylm...	196	C15H16	013540-56-2	90
5	Methane, di-p-tolyl-	196	C15H16	004957-14-6	87





Library Search Compound Report

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ALS Vial : 17 Sample Multiplier: 1

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ClientSampleId : ETBQ8

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

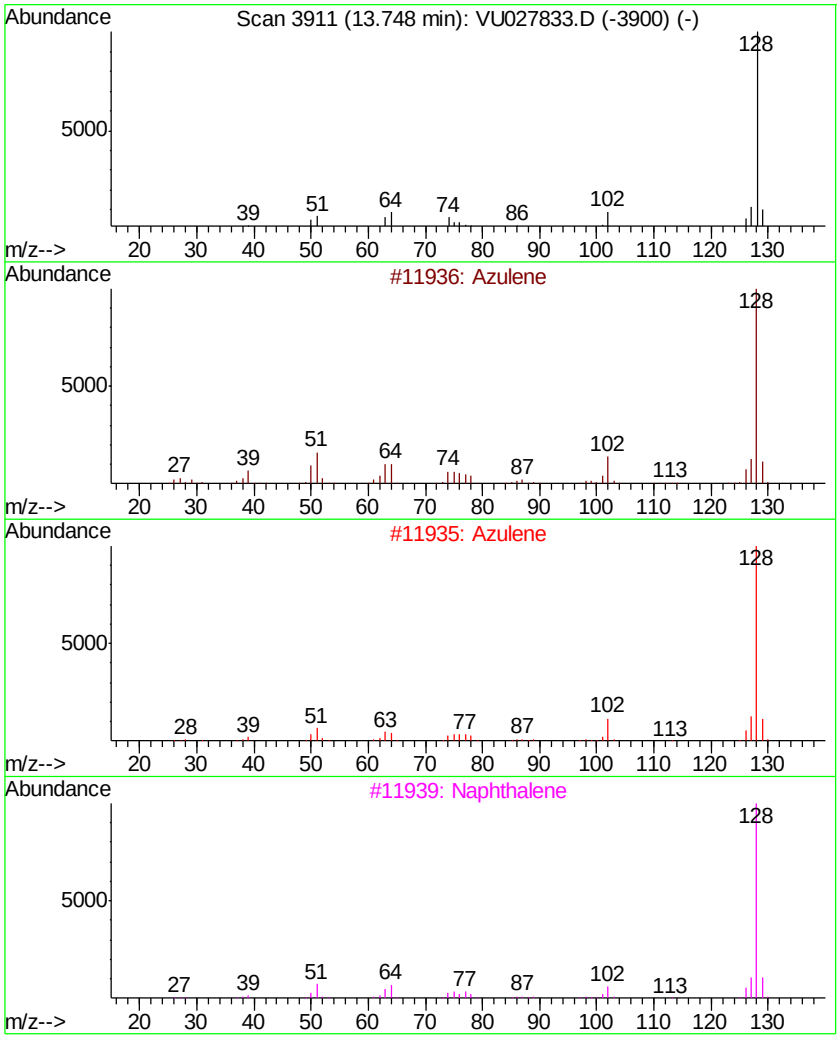
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

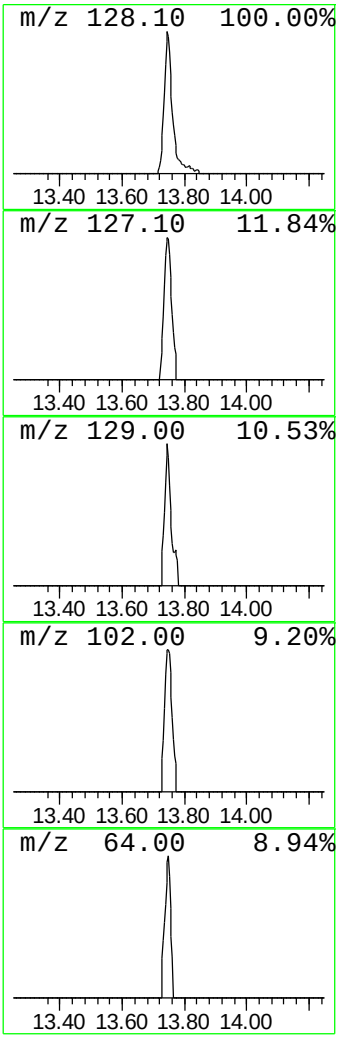
****

Peak Number 6 Azulene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	3.07 ug/L	18646	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azulene	128	C10H8	000275-51-4	91
2	Azulene	128	C10H8	000275-51-4	91
3	Naphthalene	128	C10H8	000091-20-3	91
4	Naphthalene	128	C10H8	000091-20-3	91
5	Naphthalene	128	C10H8	000091-20-3	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102618\
Data File : VU027833.D
Acq On : 26 Oct 2018 15:05
Operator : MD/SY
Sample : J5668-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ8

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

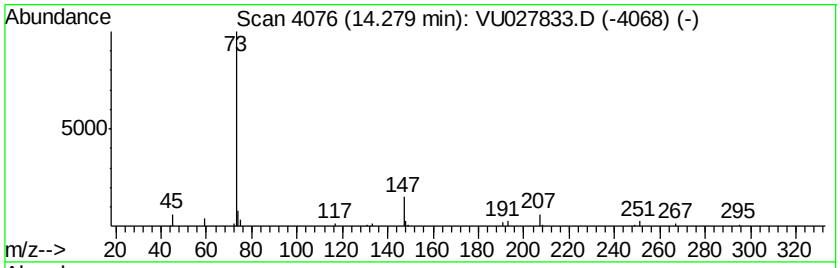
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

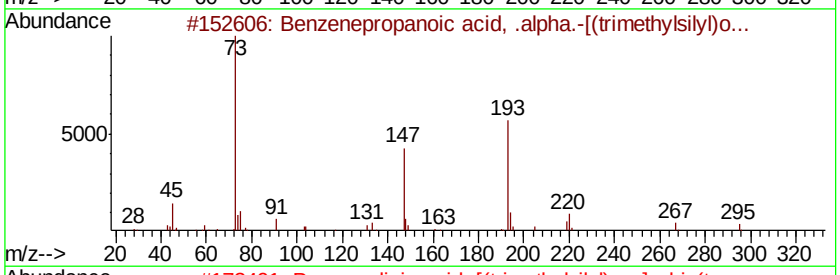
****

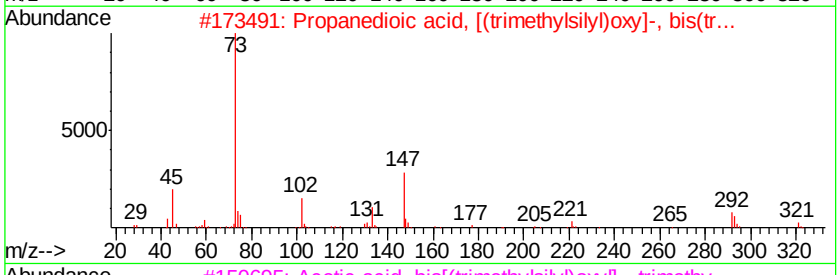
Peak Number 7 unknown-01 Concentration Rank 5

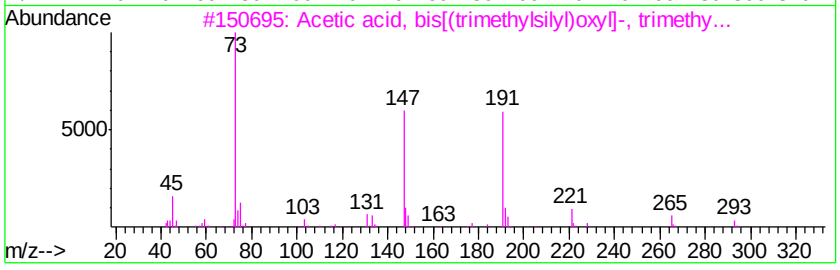
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	5.62 ug/L	34134	1,4-Dichlorobenzene-d4	11.48

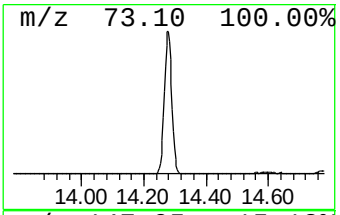
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenepropanoic acid, .alpha.-[...	310	C15H26O3Si2	027750-45-4	47
2	Propanedioic acid, [(trimethylsi...	336	C12H28O5Si3	038165-93-4	28
3	Acetic acid, bis[(trimethylsilyl...	308	C11H28O4Si3	055517-38-9	28
4	Benzenepropanoic acid, .alpha.-[...	310	C15H26O3Si2	027750-45-4	28
5	2-Ethyl-3-trimethylsilyloxy(trim...	276	C12H28O3Si2	1000078-93-6	28

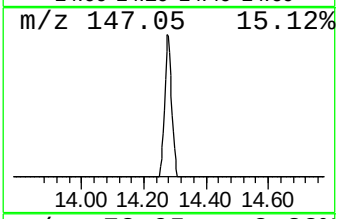


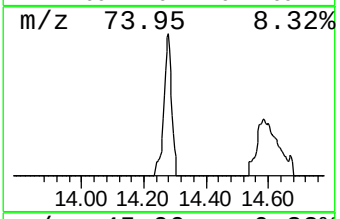


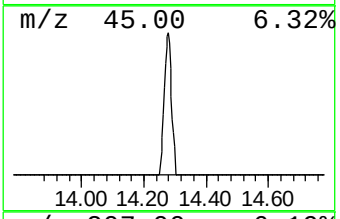


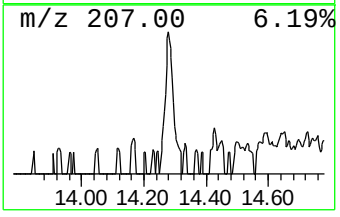












Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102618\
Data File : VU027833.D
Acq On : 26 Oct 2018 15:05
Operator : MD/SY
Sample : J5668-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ8

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

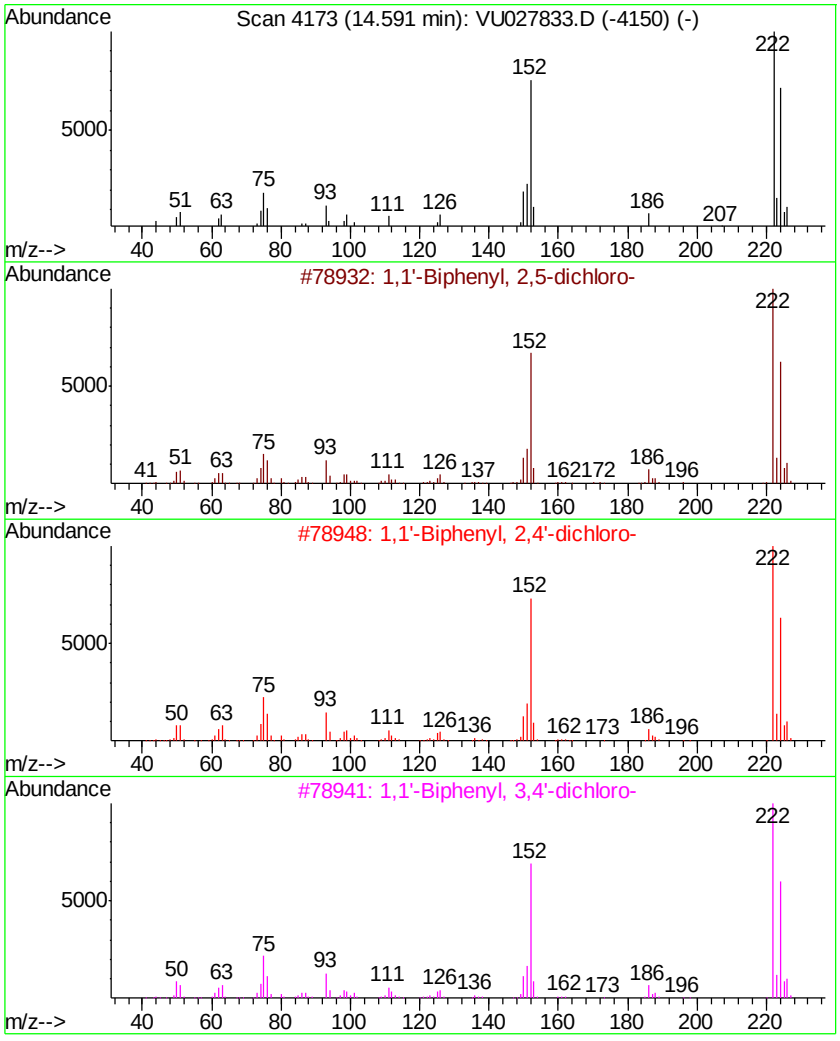
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

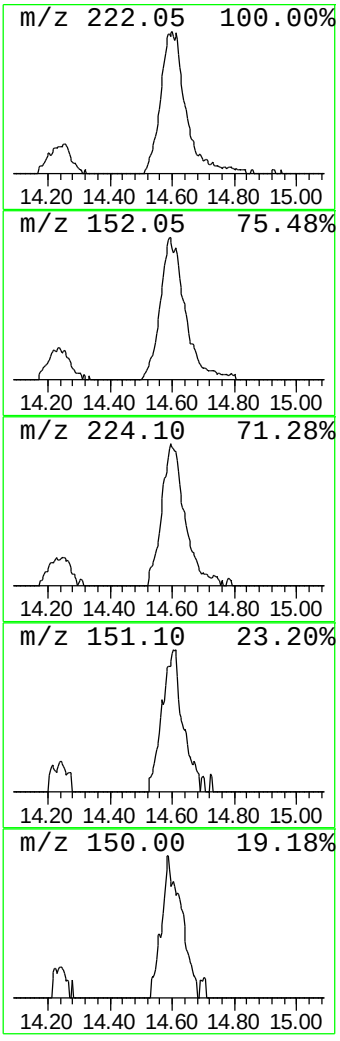
****

Peak Number 8 1,1'-Biphenyl, 2,5-dichloro- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	6.30 ug/L	38281	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,5-dichloro-	222	C12H8Cl2	034883-39-1	99
2	1,1'-Biphenyl, 2,4'-dichloro-	222	C12H8Cl2	034883-43-7	99
3	1,1'-Biphenyl, 3,4'-dichloro-	222	C12H8Cl2	002974-90-5	98
4	1,1'-Biphenyl 2,3'-dichloro-	222	C12H8Cl2	025569-80-6	98
5	1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	98





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102618\
Data File : VU027833.D
Acq On : 26 Oct 2018 15:05
Operator : MD/SY
Sample : J5668-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ8

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

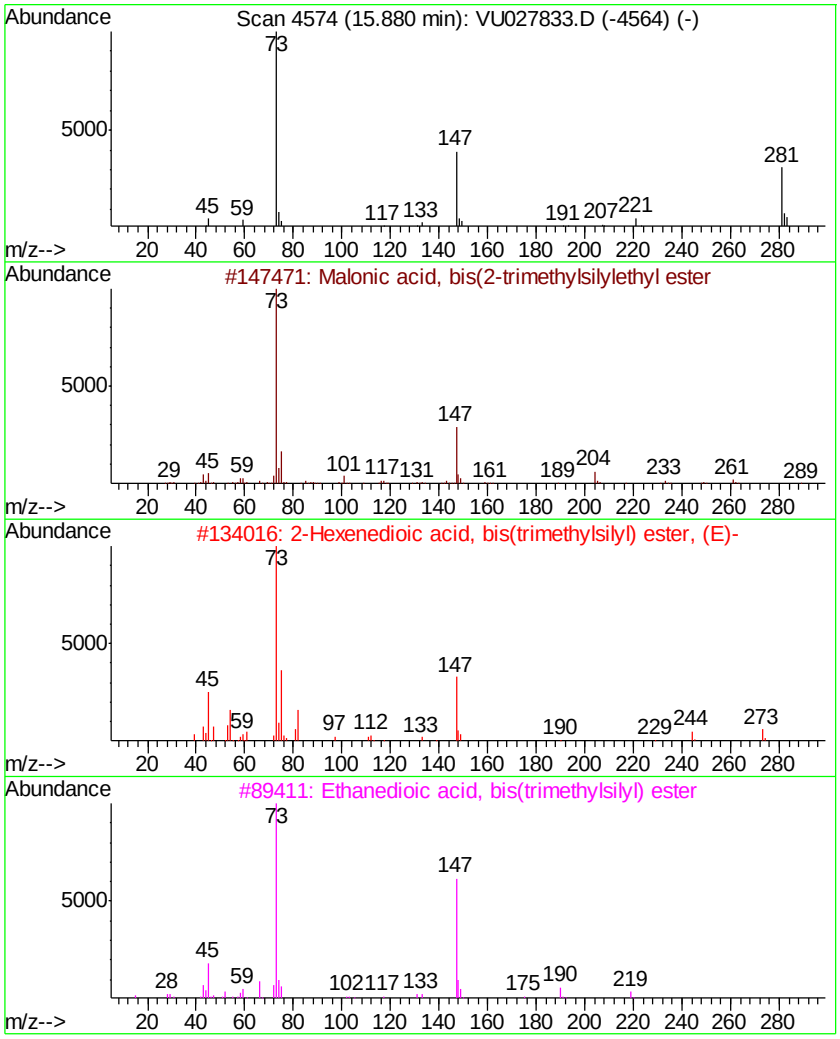
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

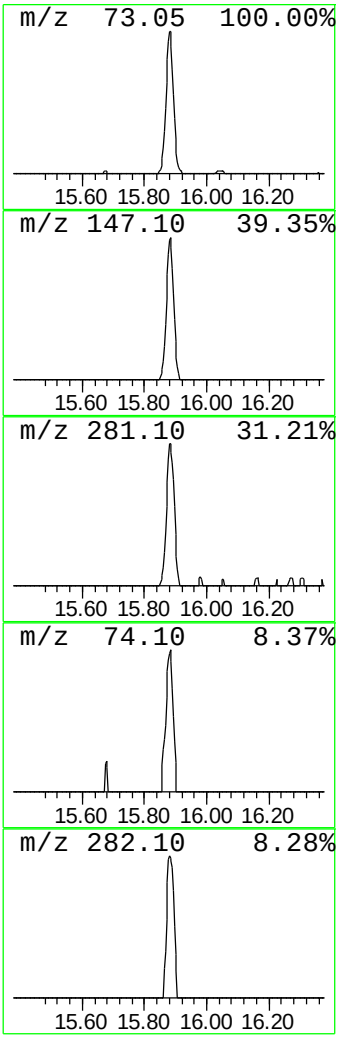
****

Peak Number 9 unknown-02 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	4.67 ug/L	28357	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Malonic acid, bis(2-trimethylsil...	304	C13H28O4Si2	090744-45-9	38
2	2-Hexenedioic acid, bis(trimethy...	288	C12H24O4Si2	055494-10-5	38
3	Ethanedioic acid, bis(trimethyls...	234	C8H18O4Si2	018294-04-7	37
4	Butanoic acid, 2-[(trimethylsily...	248	C10H24O3Si2	055133-93-2	28
5	2-Pentenoic acid, 2-[(trimethyls...	260	C11H24O3Si2	055045-17-5	25





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102618\
Data File : VU027833.D
Acq On : 26 Oct 2018 15:05
Operator : MD/SY
Sample : J5668-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ8

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

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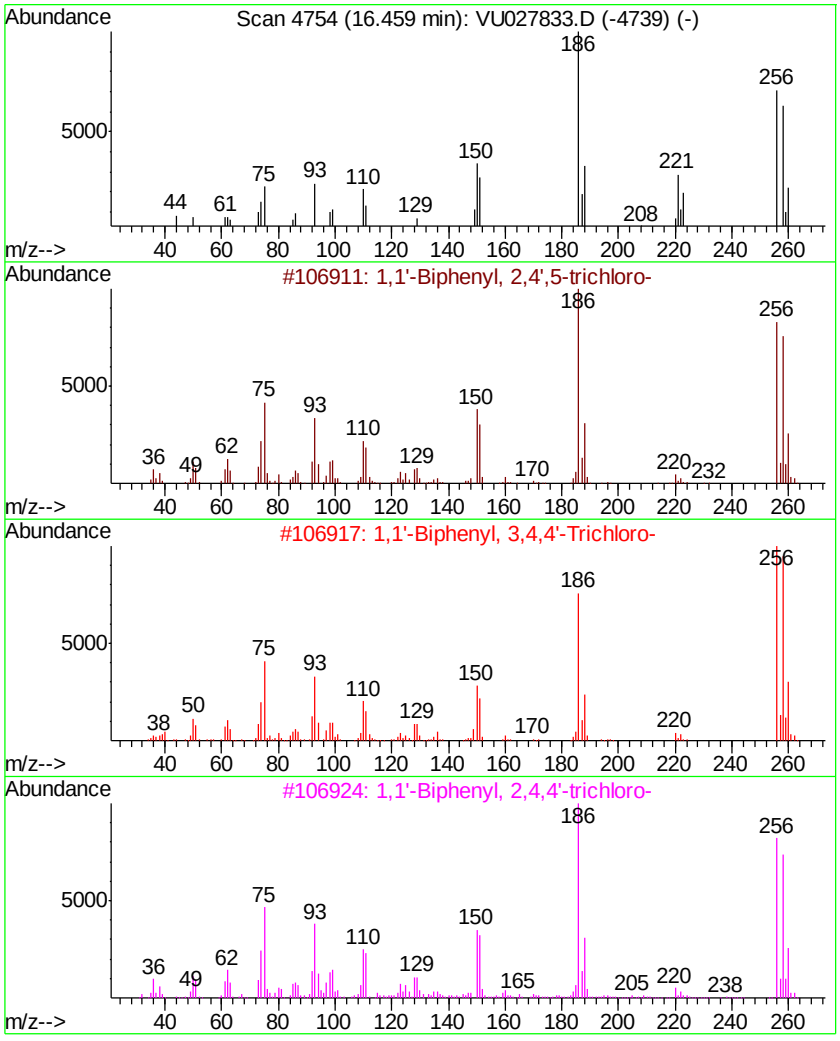
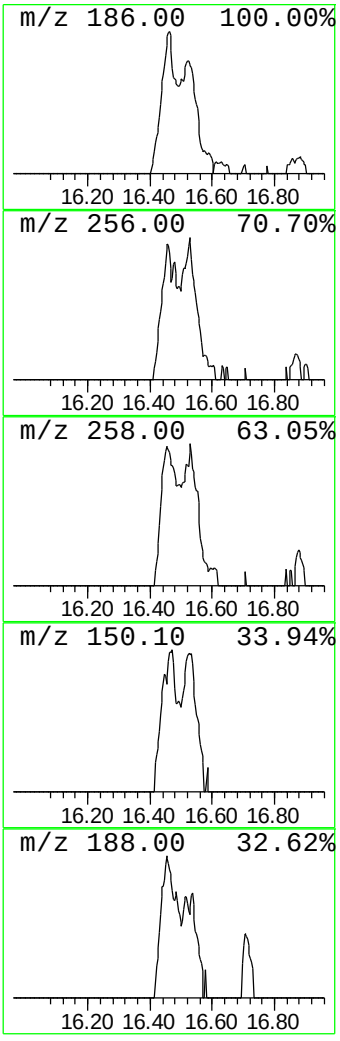
Peak Number 10 1,1'-Biphenyl, 2,4',5-trich... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.46	4.88 ug/L	29639	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	97
2	1,1'-Biphenyl, 3,4,4'-Trichloro-	256	C12H7Cl3	038444-90-5	96
3	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	96
4	1,1'-Biphenyl, 2,4,6-trichloro-	256	C12H7Cl3	035693-92-6	96
5	1,1'-Biphenyl, 2,3,6-trichloro-	256	C12H7Cl3	055702-45-9	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102618\
Data File : VU027833.D
Acq On : 26 Oct 2018 15:05
Operator : MD/SY
Sample : J5668-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ8

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
Isopropyl Alcohol	2.45	4.7	ug/L	25483	1	5.89	269617	50.0
1,1'-Biphenyl, 4-...	12.29	23.4	ug/L	142280	3	11.48	303916	50.0
Azulene	13.75	3.1	ug/L	18646	3	11.48	303916	50.0
unknown-01	14.28	5.6	ug/L	34134	3	11.48	303916	50.0
1,1'-Biphenyl, 2,...	14.59	6.3	ug/L	38281	3	11.48	303916	50.0
unknown-02	15.88	4.7	ug/L	28357	3	11.48	303916	50.0
1,1'-Biphenyl, 2,...	16.46	4.9	ug/L	29639	3	11.48	303916	50.0