LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102618\
Data File : VU027832.D
Acq On : 26 Oct 2018 14:42
Operator : MD/SY
Sample : J5668-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ7

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	1.399	64	70	85	rBV	47709	48998	12.04%	1.324%
2	1.681	151	158	172	rVB	38249	48827	12.00%	1.319%
3	2.273	332	342	353	rBV	78469	120251	29.54%	3.249%
4	2.447	386	396	414	rVB2	10138	18096	4.45%	0.489%
5	2.514	414	417	419	rBV	156	100	0.02%	0.003%
6	2.617	446	449	452	rBV2	214	165	0.04%	0.004%
7	2.839	509	518	527	rBV2	625	1356	0.33%	0.037%
8	2.929	543	546	549	rBV	85	79	0.02%	0.002%
9	3.087	591	595	602	rBV	88	108	0.03%	0.003%
10	3.341	671	674	682	rVB	179	160	0.04%	0.004%
11	3.646	766	769	773	rBV	90	89	0.02%	0.002%
12	3.836	824	828	834	rVB2	248	323	0.08%	0.009%
13	4.000	875	879	889	rVB	79	132	0.03%	0.004%
14	4.045	889	893	896	rBV	101	98	0.02%	0.003%
15	4.115	912	915	920	rVB	187	185	0.05%	0.005%
16	4.180	921	935	973	rBV2	47281	131101	32.21%	3.543%
17	4.392	998	1001	1003	rVV	185	98	0.02%	0.003%
18	4.405	1003	1005	1007	rVB2	264	142	0.03%	0.004%
19	4.652	1065	1082	1107	rBV	67843	160907	39.53%	4.348%
20	4.906	1157	1161	1164	rBV	273	256	0.06%	0.007%
21	4.990	1182	1187	1192	rBV2	290	334	0.08%	0.009%
22	5.016	1192	1195	1199	rVV	196	135	0.03%	0.004%
23	5.045	1199	1204	1207	rVV2	153	207	0.05%	0.006%
24	5.103	1218	1222	1226	rBB	205	214	0.05%	0.006%
25	5.138	1226	1233	1236	rBV	182	285	0.07%	0.008%
26	5.344	1273	1297	1316	rBV2	138367	407038	100.00%	10.999%
27	5.466	1332	1335	1336	rBV	224	114	0.03%	0.003%
28	5.887	1453	1466	1497	rBV	138327	271656	66.74%	7.341%
29	6.019	1504	1507	1510	rBV	213	178	0.04%	0.005%
30	6.106	1531	1534	1537	rBV	122	135	0.03%	0.004%
31	6.148	1544	1547	1549	rBV	152	133	0.03%	0.004%
32	6.331	1591	1604	1624	rBV	95495	193286	47.49%	5.223%
33	6.742	1727	1732	1735	rBV	184	229	0.06%	0.006%
34	6.803	1744	1751	1754	rBV	199	306	0.08%	0.008%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102618\
Data File : VU027832.D
Acq On : 26 Oct 2018 14:42
Operator : MD/SY
Sample : J5668-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ7

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	6.823	1754	1757	1759	rVV2	279	205	0.05%	0.006%
36	6.858	1763	1768	1776	rVV2	1365	2052	0.50%	0.055%
37	7.228	1872	1883	1903	rBV	54853	97322	23.91%	2.630%
38	7.308	1904	1908	1915	rVB3	343	323	0.08%	0.009%
39	7.353	1919	1922	1924	rBV	159	135	0.03%	0.004%
40	7.389	1926	1933	1936	rBV2	964	913	0.22%	0.025%
41	7.430	1942	1946	1950	rBV	97	82	0.02%	0.002%
42	7.565	1975	1988	2009	rBV	181191	311074	76.42%	8.406%
43	7.668	2018	2020	2025	rVB2	334	269	0.07%	0.007%
44	7.701	2025	2030	2034	rBV	102	94	0.02%	0.003%
45	7.852	2065	2077	2092	rBV	38745	65157	16.01%	1.761%
46	7.938	2100	2104	2105	rBV	232	148	0.04%	0.004%
47	8.045	2134	2137	2141	rVB	176	148	0.04%	0.004%
48	8.106	2149	2156	2158	rBV	135	140	0.03%	0.004%
49	8.183	2166	2180	2188	rBV	45060	99588	24.47%	2.691%
50	8.311	2213	2220	2243	rVB	168122	296995	72.96%	8.026%
51	8.456	2263	2265	2267	rBV	160	96	0.02%	0.003%
52	8.472	2267	2270	2275	rVB4	658	613	0.15%	0.017%
53	8.790	2367	2369	2371	rBV2	166	90	0.02%	0.002%
54	8.816	2374	2377	2381	rBV2	187	182	0.04%	0.005%
55	8.852	2384	2388	2390	rBV2	260	184	0.05%	0.005%
56	8.874	2390	2395	2401	rVB3	277	373	0.09%	0.010%
57	9.090	2450	2462	2481	rBV	201095	328598	80.73%	8.880%
58	9.424	2564	2566	2573	rBV4	595	615	0.15%	0.017%
59	9.951	2729	2730	2738	rVB2	560	459	0.11%	0.012%
60	9.987	2738	2741	2744	rBV	217	149	0.04%	0.004%
61	9.999	2744	2745	2750	rVB3	263	185	0.05%	0.005%
62	10.041	2756	2758	2761	rVV2	207	121	0.03%	0.003%
63	10.073	2765	2768	2770	rBV	154	94	0.02%	0.003%
64	10.434	2868	2880	2898	rVB	127205	203659	50.03%	5.503%
65	10.507	2898	2903	2905	rBV	96	93	0.02%	0.003%
66	10.620	2923	2938	2954	rBV	36211	73853	18.14%	1.996%
67	10.877	3010	3018	3025	rVB2	1119	1526	0.37%	0.041%
68	10.909	3025	3028	3032	rVB	98	79	0.02%	0.002%
69	10.935	3032	3036	3040	rBV	127	125	0.03%	0.003%
70	11.048	3065	3071	3074	rBV	159	186	0.05%	0.005%
71	11.141	3096	3100	3105	rBV	143	133	0.03%	0.004%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102618\
Data File : VU027832.D
Acq On : 26 Oct 2018 14:42
Operator : MD/SY
Sample : J5668-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ7

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	11.485	3195	3207	3222	rBV	191607	297909	73.19%	8.050%
73	11.752	3284	3290	3291	rBV2	422	330	0.08%	0.009%
74	11.861	3312	3324	3348	rVB	173392	278258	68.36%	7.519%
75	12.109	3396	3401	3404	rBV	280	308	0.08%	0.008%
76	12.482	3513	3517	3528	rVB	21527	31973	7.86%	0.864%
77	12.655	3568	3571	3572	rBV2	196	121	0.03%	0.003%
78	12.810	3617	3619	3622	rVB	226	102	0.03%	0.003%
79	12.925	3652	3655	3658	rBV	139	110	0.03%	0.003%
80	13.028	3684	3687	3692	rBV	139	147	0.04%	0.004%
81	13.154	3721	3726	3727	rBV2	340	331	0.08%	0.009%
82	13.372	3789	3794	3797	rBV	252	255	0.06%	0.007%
83	13.408	3798	3805	3808	rBV2	235	313	0.08%	0.008%
84	13.469	3820	3824	3826	rBV	197	143	0.04%	0.004%
85	13.546	3845	3848	3852	rBV	210	146	0.04%	0.004%
86	13.797	3923	3926	3931	rBV	218	171	0.04%	0.005%
87	13.890	3952	3955	3957	rVV2	234	141	0.03%	0.004%
88	13.903	3957	3959	3962	rVB2	202	112	0.03%	0.003%
89	13.945	3970	3972	3977	rVB2	279	165	0.04%	0.004%
90	14.128	4024	4029	4031	rBV2	219	245	0.06%	0.007%
91	14.183	4039	4046	4047	rBV2	857	709	0.17%	0.019%
92	14.279	4047	4076	4089	rVB	30030	62251	15.29%	1.682%
93	14.337	4092	4094	4096	rBV2	291	179	0.04%	0.005%
94	14.356	4097	4100	4103	rBV	805	653	0.16%	0.018%
95	14.440	4124	4126	4129	rBV	147	116	0.03%	0.003%
96	14.584	4149	4171	4173	rBV6	23092	47667	11.71%	1.288%
97	14.832	4246	4248	4251	rBV	206	96	0.02%	0.003%
98	15.684	4498	4513	4531	rVB9	4195	13085	3.21%	0.354%
99	15.880	4564	4574	4585	rBV2	23934	38388	9.43%	1.037%
100	16.456	4739	4753	4764	rBV2	11538	34419	8.46%	0.930%

Sum of corrected areas: 3700622

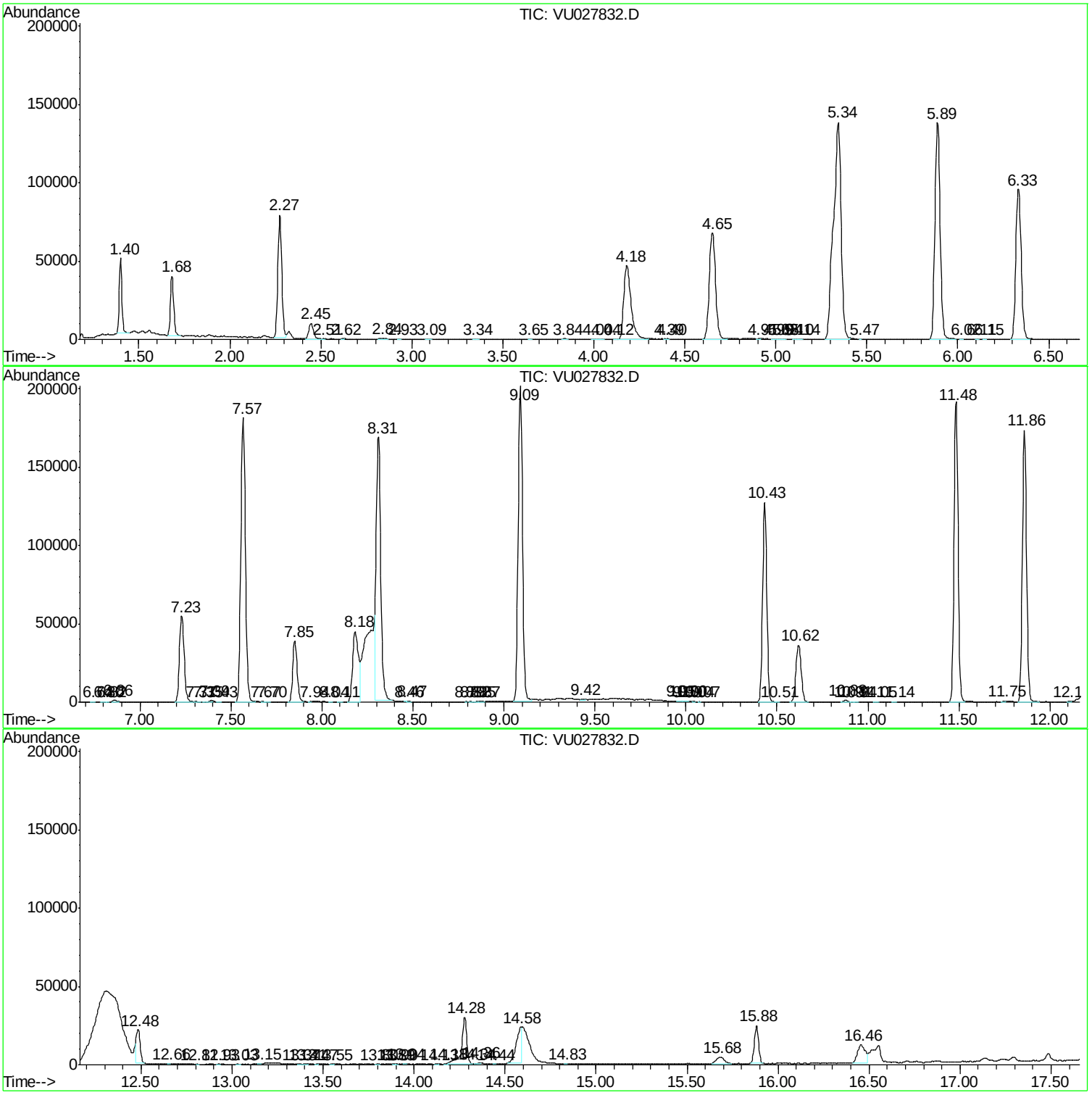
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102618\
Data File : VU027832.D
Acq On : 26 Oct 2018 14:42
Operator : MD/SY
Sample : J5668-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ7

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 : VU027832.D
Acq On : 26 Oct 2018 14:42
Operator : MD/SY
Sample : J5668-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ7

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

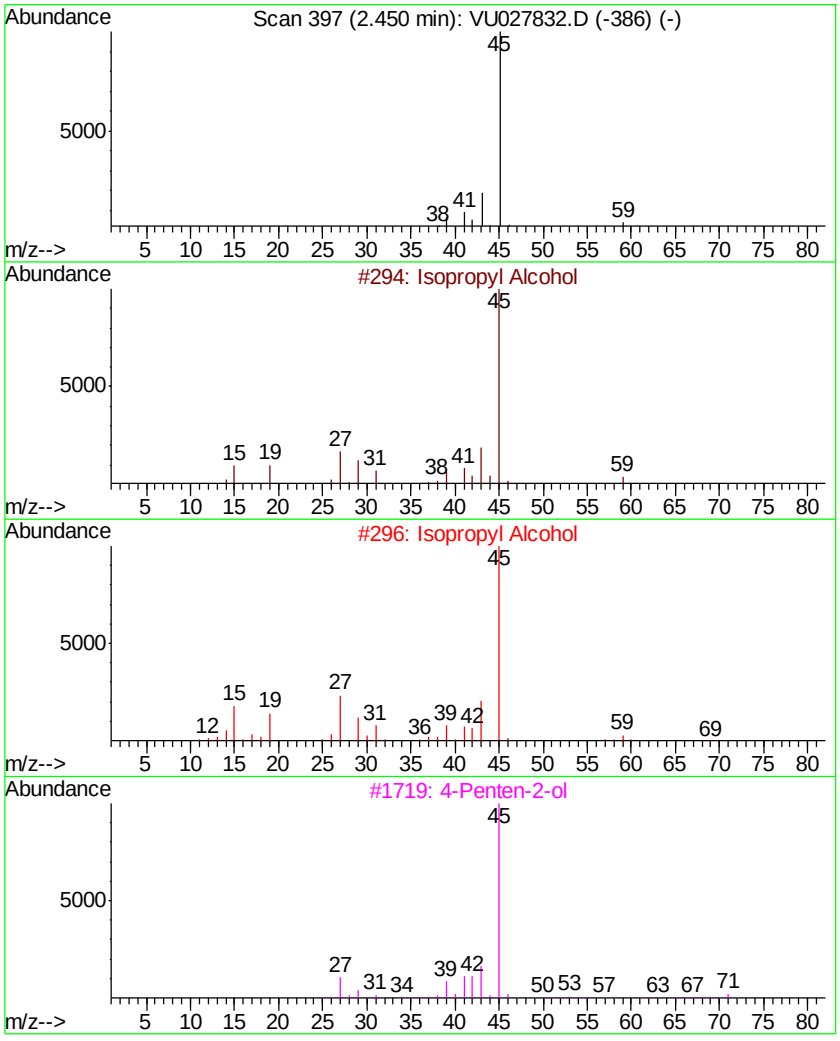
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

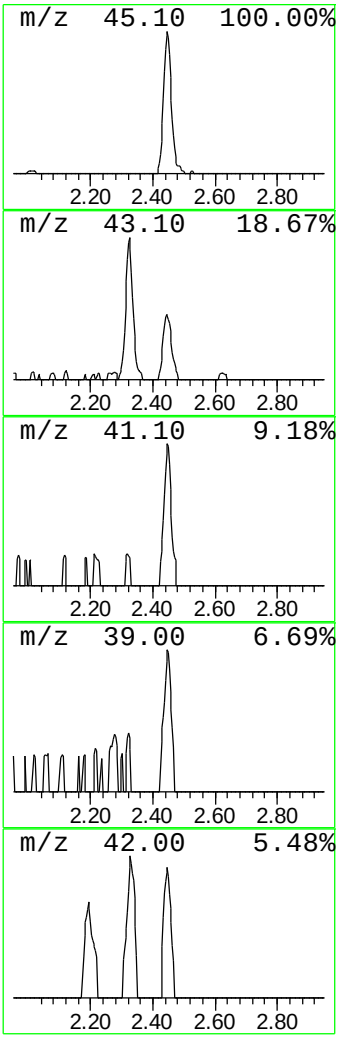
****

Peak Number 1 Isopropyl Alcohol Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.45	3.33 ug/L	18096	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	9
3	4-Penten-2-ol	86	C5H10O	000625-31-0	9
4	Isopropyl Alcohol	60	C3H8O	000067-63-0	9
5	Formamide	45	CH3NO	000075-12-7	5





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102618\
Data File : VU027832.D
Acq On : 26 Oct 2018 14:42
Operator : MD/SY
Sample : J5668-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ7

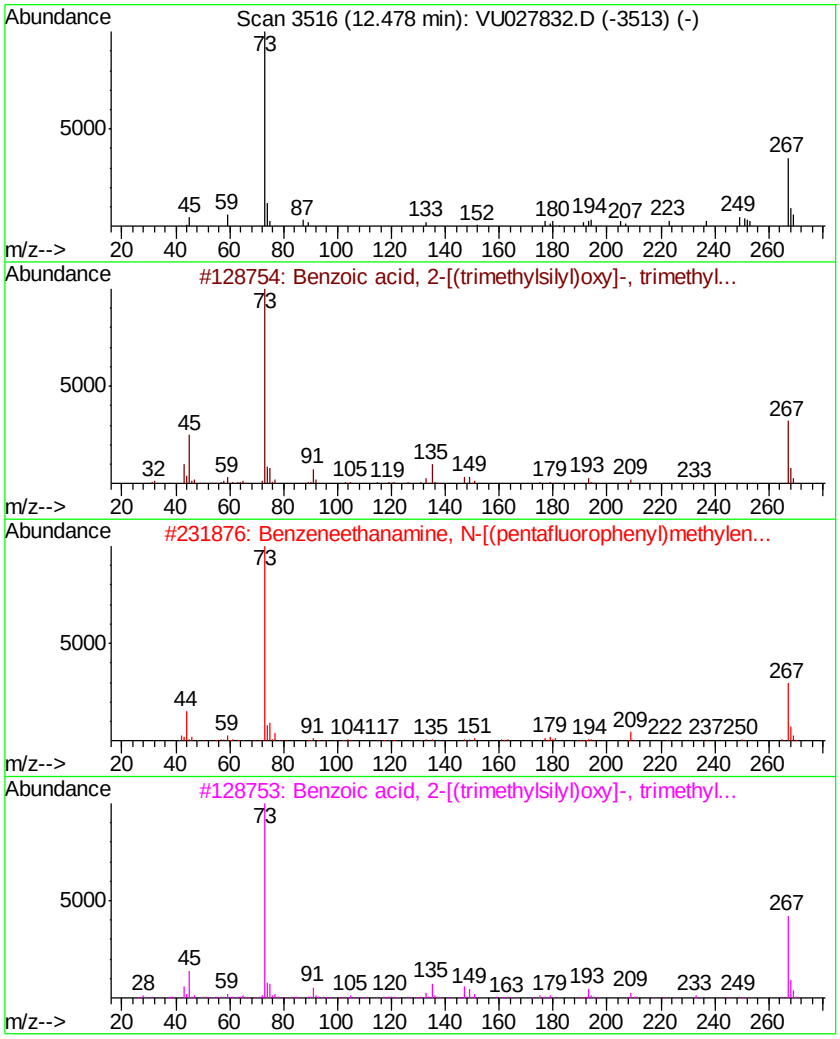
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.M
Quant Title : VOC Analysis

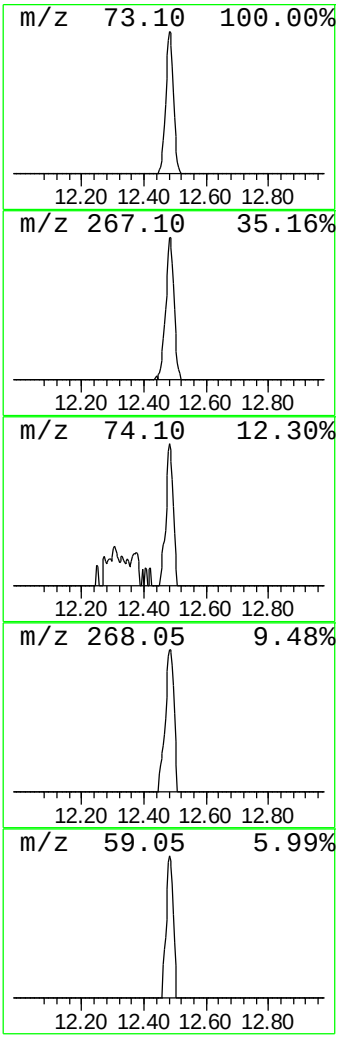
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzoic acid, 2-[(trimethyl... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	5.37 ug/L	31973	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 2-[(trimethylsilyl...	282	C13H22O3Si2	003789-85-3	50
2	Benzeneethanamine, N-[(pentafluo...	475	C21H26F5NO2Si2	055429-85-1	45
3	Benzoic acid, 2-[(trimethylsilyl...	282	C13H22O3Si2	003789-85-3	39
4	trans-3-(2,2-Dichlorovinyl)-2,2-...	322	C14H24Cl2O2Si	1000314-29-8	10
5	4-Methylcatechol, bis(trimethyls...	268	C13H24O2Si2	1000332-79-9	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102618\
Data File : VU027832.D
Acq On : 26 Oct 2018 14:42
Operator : MD/SY
Sample : J5668-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ7

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

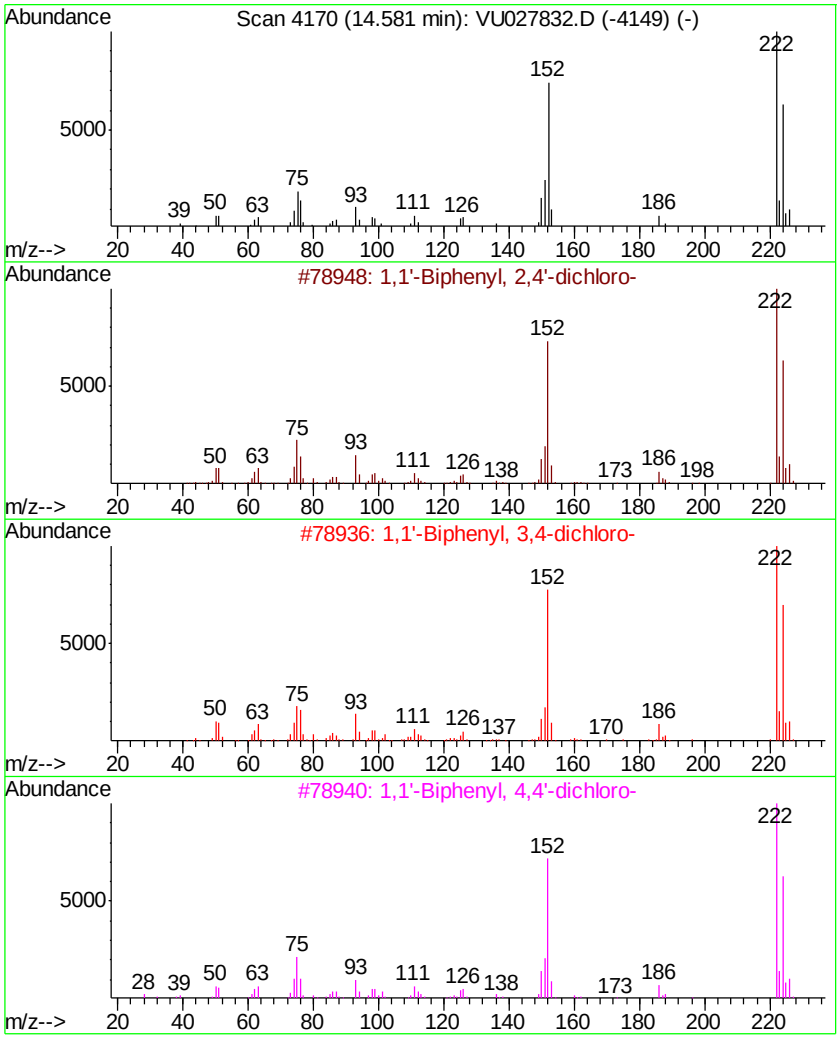
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

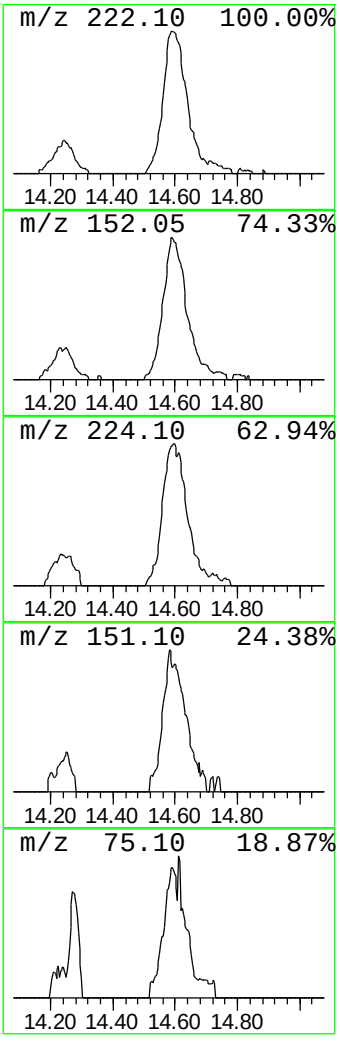
****

Peak Number 7 1,1'-Biphenyl, 2,4'-dichloro- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.58	8.00 ug/L	47667	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, 3,4-dichloro-	222	C12H8Cl2	002974-92-7	99
3	1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	99
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 : VU027832.D
Acq On : 26 Oct 2018 14:42
Operator : MD/SY
Sample : J5668-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ7

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

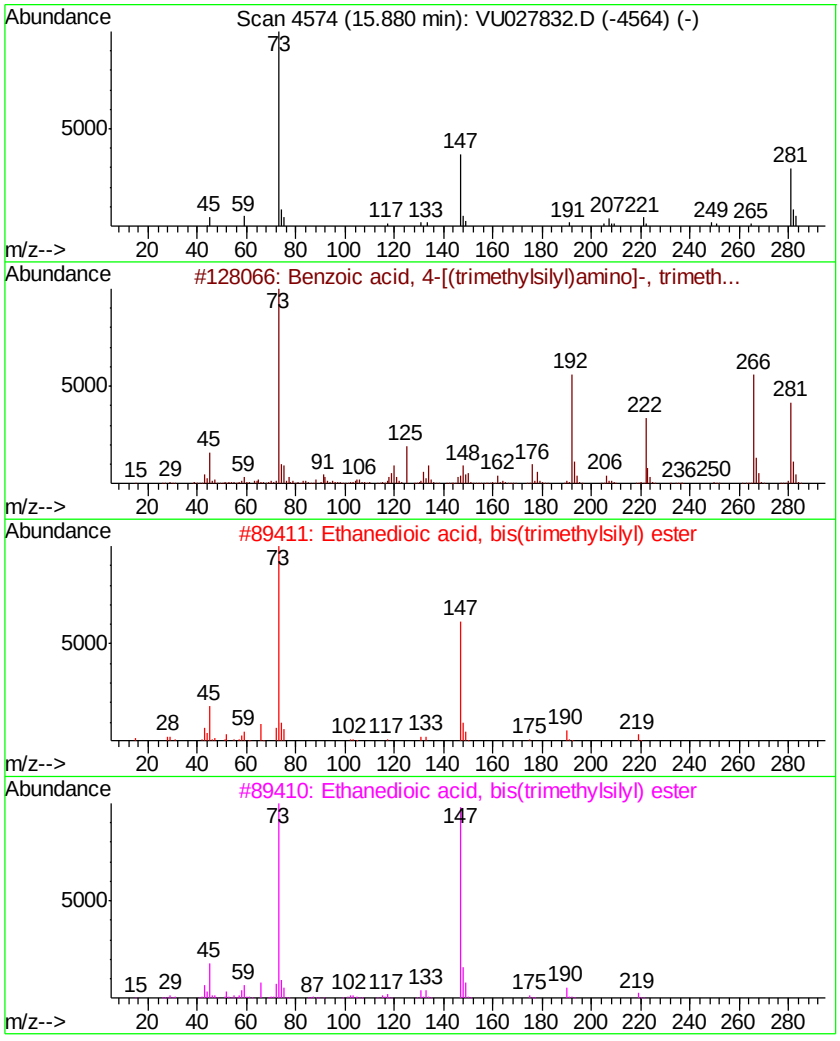
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

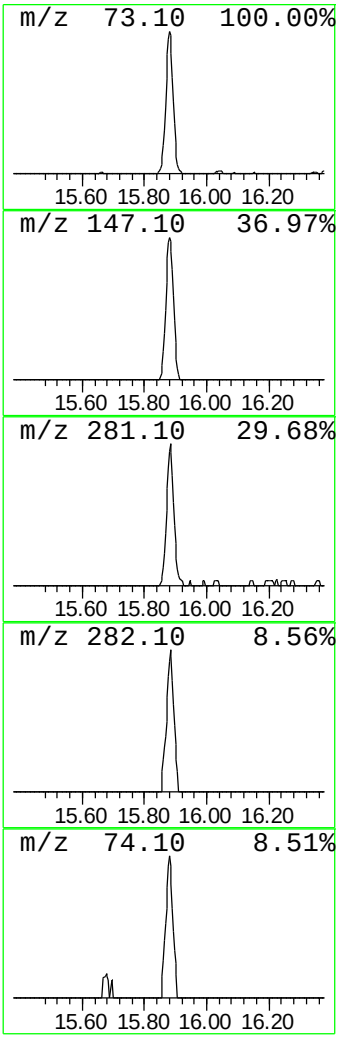
****

Peak Number 8 unknown-01 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	6.44 ug/L	38388	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 4-[(trimethylsilyl...	281	C13H23NO2Si2	018406-05-8	43
2	Ethanedioic acid, bis(trimethyls...	234	C8H18O4Si2	018294-04-7	35
3	Ethanedioic acid, bis(trimethyls...	234	C8H18O4Si2	018294-04-7	25
4	Malonic acid, bis(2-trimethylsil...	304	C13H28O4Si2	090744-45-9	25
5	2-Hexenedioic acid, bis(trimethy...	288	C12H24O4Si2	055494-10-5	25





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102618\
Data File : VU027832.D
Acq On : 26 Oct 2018 14:42
Operator : MD/SY
Sample : J5668-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ7

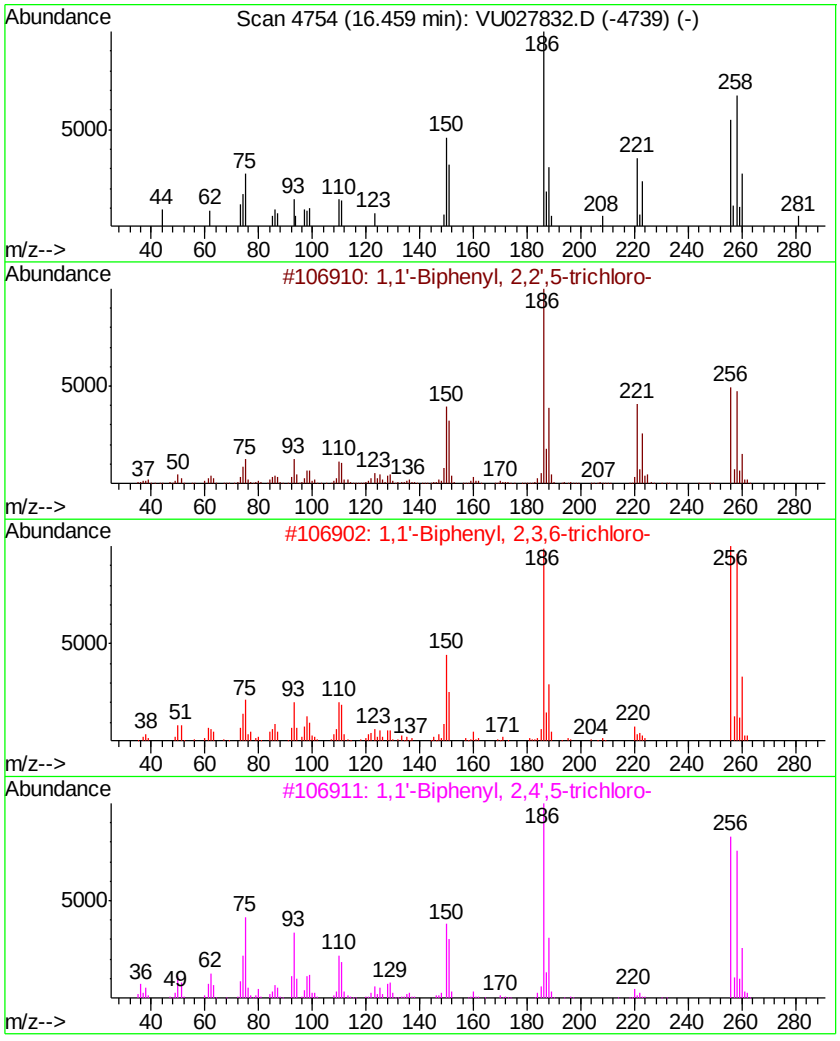
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.M
Quant Title : VOC Analysis

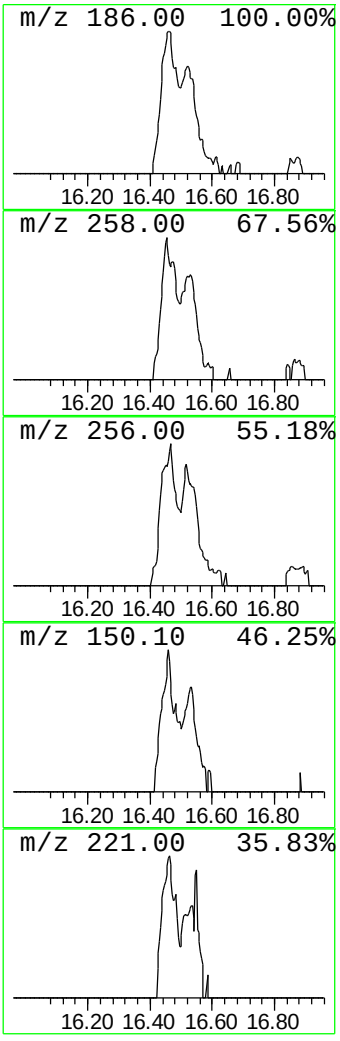
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 1,1'-Biphenyl, 2,2',5-trich... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.46	5.78 ug/L	34419	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	91
3	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	89
4	1,1'-Biphenyl, 3,4,4'-Trichloro-	256	C12H7Cl3	038444-90-5	86
5	1,1'-Biphenyl, 2,4,6-trichloro-	256	C12H7Cl3	035693-92-6	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102618\
Data File : VU027832.D
Acq On : 26 Oct 2018 14:42
Operator : MD/SY
Sample : J5668-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ7

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	3.3	ug/L	18096	1	5.89	271656	50.0
Benzoic acid, 2-[...	12.48	5.4	ug/L	31973	3	11.48	297909	50.0
1,1'-Biphenyl, 2,...	14.58	8.0	ug/L	47667	3	11.48	297909	50.0
unknown-01	15.88	6.4	ug/L	38388	3	11.48	297909	50.0
1,1'-Biphenyl, 2,...	16.46	5.8	ug/L	34419	3	11.48	297909	50.0