LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102618\
Data File : VU027835.D
Acq On : 26 Oct 2018 15:52
Operator : MD/SY
Sample : J5668-09
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBR9

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	1.402	64	71	83	rBV2	64083	69445	8.48%	1.608%
2	1.681	151	158	171	rVB	36464	47588	5.81%	1.102%
3	2.276	332	343	353	rBV	77717	118076	14.42%	2.734%
4	2.447	385	396	412	rVB	9019	15178	1.85%	0.351%
5	2.611	444	447	451	rVV	171	173	0.02%	0.004%
6	2.836	510	517	519	rBV	593	688	0.08%	0.016%
7	2.990	556	565	575	rBV2	2343	4167	0.51%	0.096%
8	3.180	619	624	632	rBV	138	237	0.03%	0.005%
9	3.440	703	705	707	rBV2	205	147	0.02%	0.003%
10	3.746	795	800	806	rBV	166	298	0.04%	0.007%
11	3.774	806	809	813	rVV	68	79	0.01%	0.002%
12	3.993	874	877	879	rBV	158	135	0.02%	0.003%
13	4.070	897	901	905	rBV	100	110	0.01%	0.003%
14	4.131	917	920	922	rBV	155	132	0.02%	0.003%
15	4.231	922	951	981	rVV2	287202	818651	100.00%	18.952%
16	4.385	997	999	1003	rVB2	253	115	0.01%	0.003%
17	4.585	1058	1061	1065	rBB	185	167	0.02%	0.004%
18	4.652	1065	1082	1110	rBV	68571	159629	19.50%	3.696%
19	4.803	1125	1129	1136	rBV2	230	337	0.04%	0.008%
20	4.839	1136	1140	1146	rBV2	207	314	0.04%	0.007%
21	4.967	1177	1180	1183	rBV2	186	157	0.02%	0.004%
22	5.009	1187	1193	1197	rVB2	185	223	0.03%	0.005%
23	5.064	1207	1210	1213	rBV	187	110	0.01%	0.003%
24	5.083	1213	1216	1219	rBV2	148	106	0.01%	0.002%
25	5.202	1250	1253	1254	rBV	138	100	0.01%	0.002%
26	5.344	1273	1297	1316	rBV2	133862	400159	48.88%	9.264%
27	5.475	1334	1338	1342	rVB2	191	178	0.02%	0.004%
28	5.517	1347	1351	1354	rBV	183	206	0.03%	0.005%
29	5.575	1366	1369	1372	rBV	138	143	0.02%	0.003%
30	5.643	1387	1390	1394	rVB	108	77	0.01%	0.002%
31	5.797	1435	1438	1440	rBV	130	115	0.01%	0.003%
32	5.890	1453	1467	1490	rBV	151148	295072	36.04%	6.831%
33	6.180	1552	1557	1559	rBV	193	222	0.03%	0.005%
34	6.334	1592	1605	1630	rVB	97567	192418	23.50%	4.455%

LSC Area Percent Report

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Operator : MD/SY
Sample : J5668-09
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBR9

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	6.424	1630	1633	1640	rVB	79	85	0.01%	0.002%
36	6.675	1707	1711	1714	rBB	159	155	0.02%	0.004%
37	6.858	1763	1768	1779	rVB3	1153	1942	0.24%	0.045%
38	7.106	1840	1845	1846	rBV	172	171	0.02%	0.004%
39	7.228	1871	1883	1909	rVB	54161	96202	11.75%	2.227%
40	7.376	1927	1929	1930	rBV	248	123	0.02%	0.003%
41	7.392	1930	1934	1938	rVB2	239	230	0.03%	0.005%
42	7.459	1952	1955	1958	rBV	185	181	0.02%	0.004%
43	7.565	1974	1988	2008	rBV	171932	302777	36.98%	7.010%
44	7.694	2026	2028	2031	rBV2	162	94	0.01%	0.002%
45	7.851	2066	2077	2094	rBV	37683	63430	7.75%	1.468%
46	8.035	2130	2134	2137	rVB2	175	145	0.02%	0.003%
47	8.115	2157	2159	2160	rBV	161	89	0.01%	0.002%
48	8.183	2166	2180	2189	rBV2	33850	75755	9.25%	1.754%
49	8.311	2212	2220	2243	rVB	163686	282590	34.52%	6.542%
50	8.469	2265	2269	2274	rVB2	741	556	0.07%	0.013%
51	8.848	2384	2387	2390	rBV	212	205	0.03%	0.005%
52	9.025	2440	2442	2445	rVB	261	143	0.02%	0.003%
53	9.051	2446	2450	2451	rBV2	291	233	0.03%	0.005%
54	9.089	2451	2462	2482	rBV	218211	356204	43.51%	8.246%
55	9.224	2501	2504	2507	rBV2	190	138	0.02%	0.003%
56	9.244	2507	2510	2513	rBV3	320	273	0.03%	0.006%
57	9.292	2523	2525	2528	rBV	228	171	0.02%	0.004%
58	9.376	2549	2551	2552	rBV	386	171	0.02%	0.004%
59	9.466	2577	2579	2583	rBV2	179	107	0.01%	0.002%
60	9.523	2594	2597	2599	rVB3	342	200	0.02%	0.005%
61	9.540	2599	2602	2604	rBV2	362	228	0.03%	0.005%
62	9.613	2623	2625	2629	rBV2	233	153	0.02%	0.004%
63	9.662	2637	2640	2643	rBV3	289	238	0.03%	0.006%
64	9.678	2643	2645	2647	rBV3	208	106	0.01%	0.002%
65	9.829	2689	2692	2694	rBV2	345	250	0.03%	0.006%
66	9.916	2716	2719	2721	rBV	294	119	0.01%	0.003%
67	9.932	2722	2724	2728	rVB	143	105	0.01%	0.002%
68	9.961	2728	2733	2736	rBV3	330	263	0.03%	0.006%
69	10.019	2747	2751	2753	rBV	119	92	0.01%	0.002%
70	10.073	2766	2768	2776	rVB	100	95	0.01%	0.002%
71	10.433	2867	2880	2895	rBV	128748	203688	24.88%	4.716%

LSC Area Percent Report

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Data File : VU027835.D
Acq On : 26 Oct 2018 15:52
Operator : MD/SY
Sample : J5668-09
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBR9

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	10.543	2910	2914	2916	rBV	125	103	0.01%	0.002%
73	10.617	2925	2937	2951	rBV2	18738	38439	4.70%	0.890%
74	10.736	2971	2974	2977	rBV	163	77	0.01%	0.002%
75	10.877	3010	3018	3023	rBV	675	1036	0.13%	0.024%
76	11.314	3151	3154	3158	rBV	112	96	0.01%	0.002%
77	11.382	3169	3175	3183	rBV	121	202	0.02%	0.005%
78	11.485	3195	3207	3228	rVB	206170	322351	39.38%	7.463%
79	11.748	3280	3289	3301	rBV4	5511	9213	1.13%	0.213%
80	11.861	3311	3324	3340	rBV	171497	272288	33.26%	6.304%
81	12.002	3365	3368	3370	rBV	109	80	0.01%	0.002%
82	12.128	3400	3407	3408	rBV	413	354	0.04%	0.008%
83	12.166	3408	3419	3420	rBV3	1620	2030	0.25%	0.047%
84	12.613	3556	3558	3564	rVV2	271	203	0.02%	0.005%
85	12.639	3564	3566	3569	rVB2	261	132	0.02%	0.003%
86	12.662	3571	3573	3578	rVB2	250	166	0.02%	0.004%
87	12.764	3602	3605	3608	rBV	184	100	0.01%	0.002%
88	12.822	3621	3623	3626	rBV	173	72	0.01%	0.002%
89	12.893	3643	3645	3649	rVB	188	93	0.01%	0.002%
90	13.195	3734	3739	3743	rBV3	376	495	0.06%	0.011%
91	13.867	3945	3948	3951	rBV2	172	103	0.01%	0.002%
92	13.980	3980	3983	3986	rBV	240	169	0.02%	0.004%
93	14.221	4040	4058	4060	rBV4	1853	3662	0.45%	0.085%
94	14.279	4067	4076	4090	rVB	16159	27371	3.34%	0.634%
95	14.443	4123	4127	4128	rBV	154	102	0.01%	0.002%
96	14.491	4136	4142	4144	rBV2	191	195	0.02%	0.005%
97	14.594	4148	4174	4204	rVV6	15548	76551	9.35%	1.772%
98	15.674	4497	4510	4511	rBV7	2831	4254	0.52%	0.098%
99	15.880	4565	4574	4586	rVB	10578	16653	2.03%	0.386%
100	16.459	4739	4754	4765	rBV9	9832	30261	3.70%	0.701%

Sum of corrected areas: 4319510

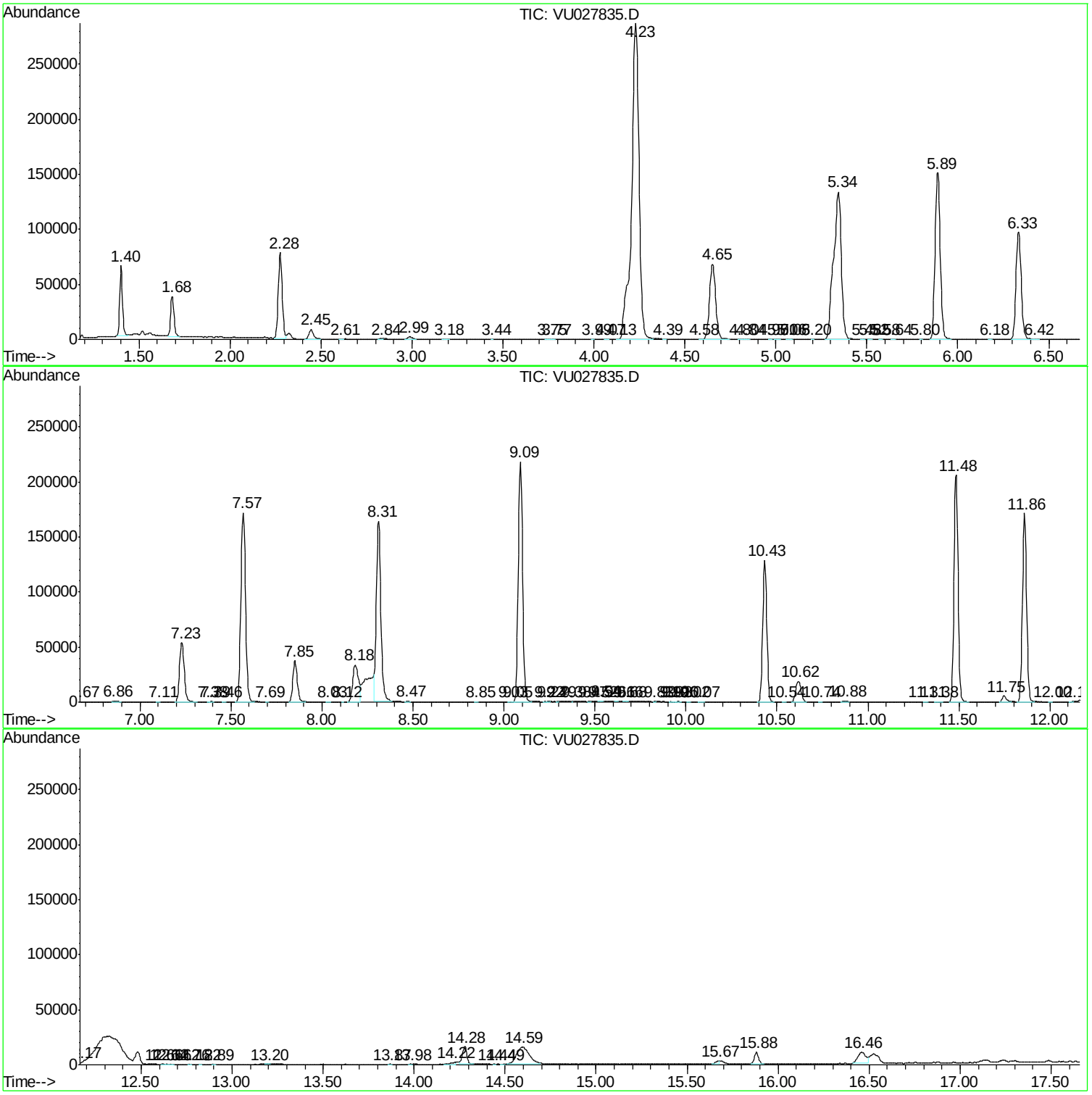
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102618\
Data File : VU027835.D
Acq On : 26 Oct 2018 15:52
Operator : MD/SY
Sample : J5668-09
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBR9

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 : VU027835.D
Acq On : 26 Oct 2018 15:52
Operator : MD/SY
Sample : J5668-09
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBR9

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

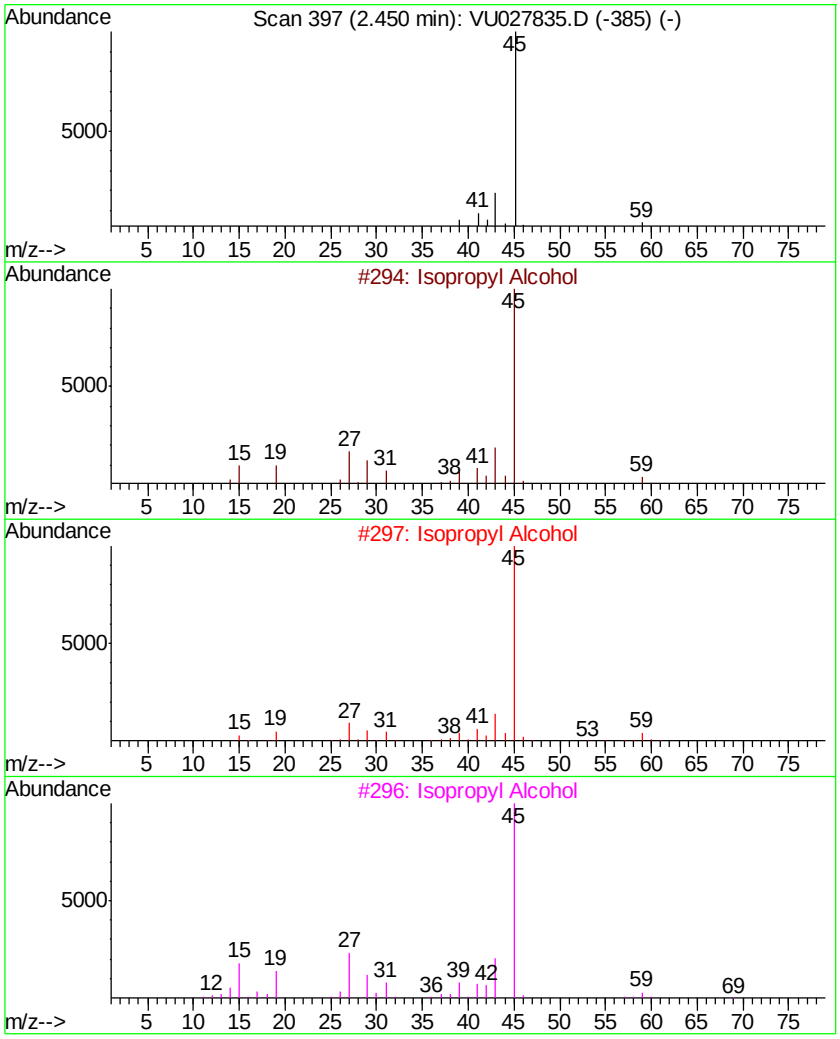
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

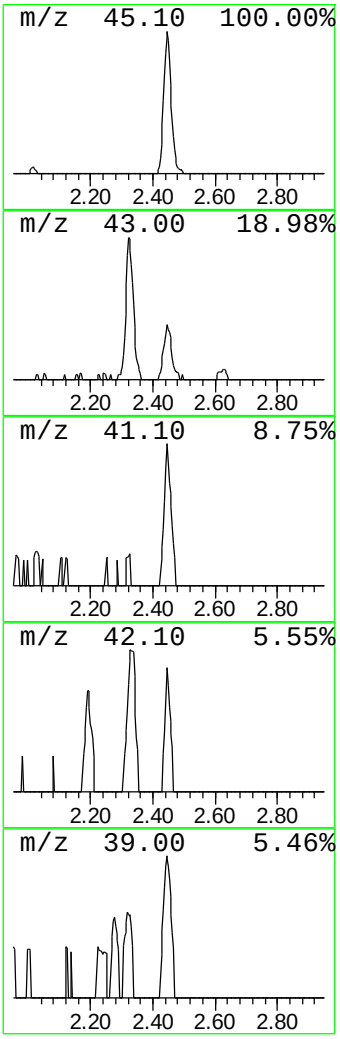
****

Peak Number 1 Isopropyl Alcohol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.45	2.57 ug/L	15178	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	Isopropyl Alcohol	60	C3H8O	000067-63-0	9
4	Formamide	45	CH3NO	000075-12-7	5
5	Formamide	45	CH3NO	000075-12-7	4





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102618\
Data File : VU027835.D
Acq On : 26 Oct 2018 15:52
Operator : MD/SY
Sample : J5668-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBR9

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

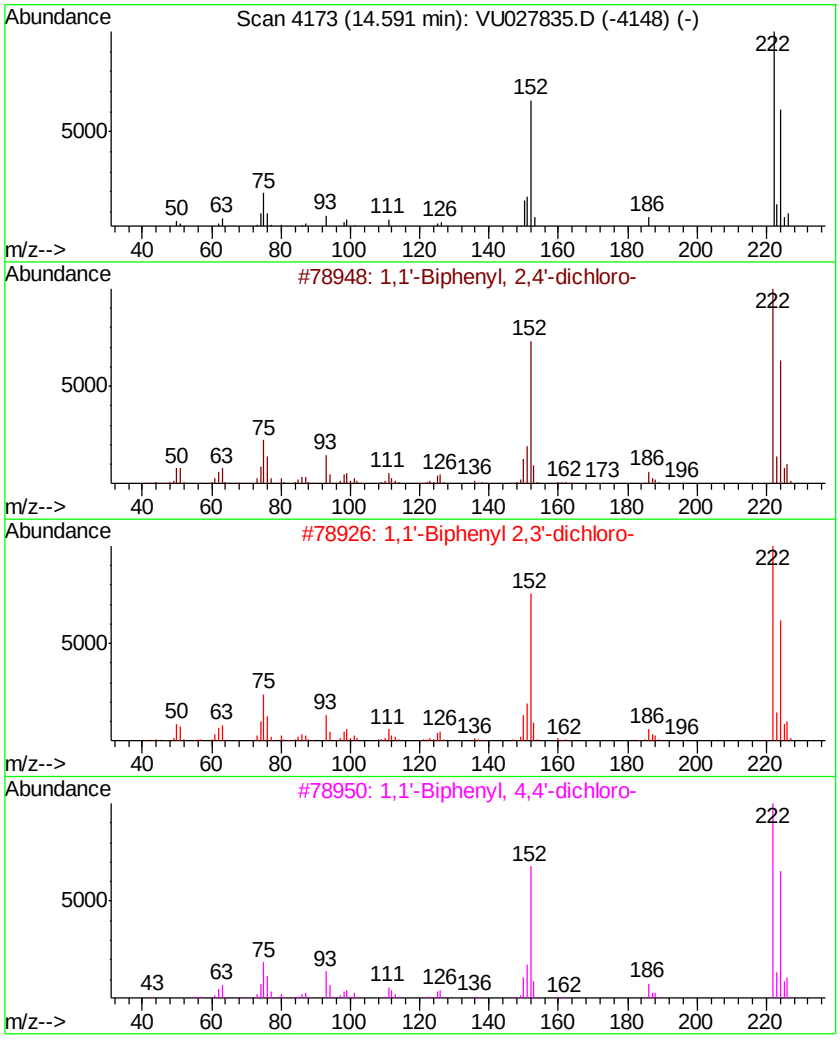
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

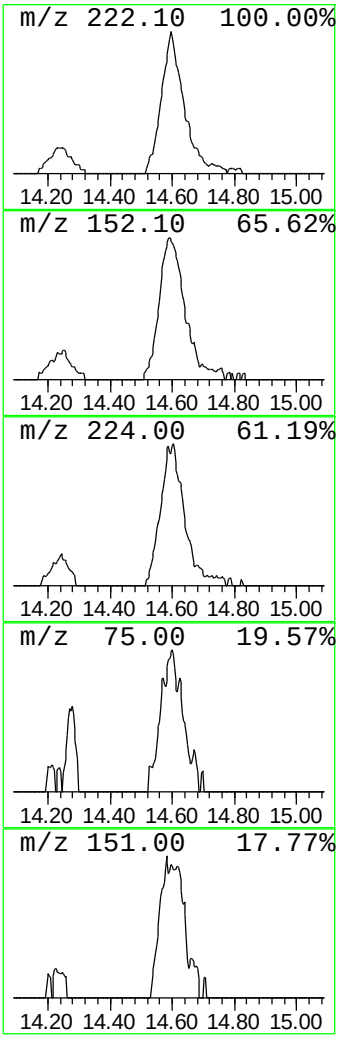
****

Peak Number 6 1,1'-Biphenyl, 2,4'-dichloro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	11.87 ug/L	76551	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 2,3'-dichloro-	222	C12H8Cl2	025569-80-6	98
3	1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	98
4	1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	98
5	1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	98





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Instrument : MSVOA_U
ClientSampleId : ETBR9

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

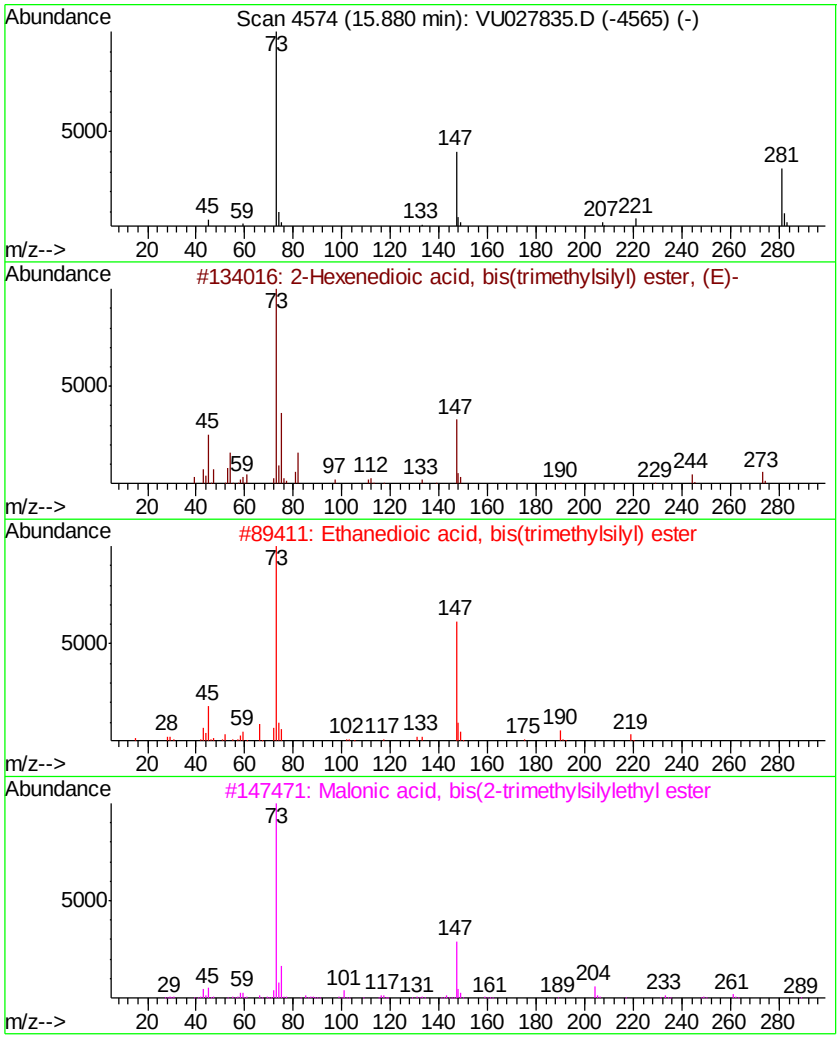
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

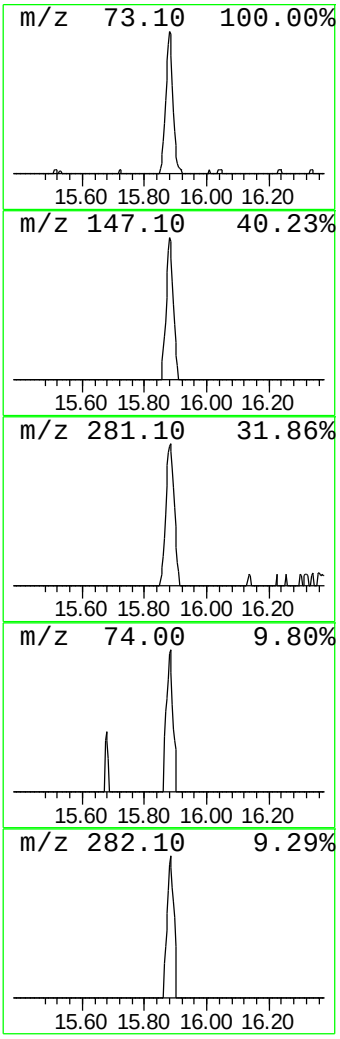
****

Peak Number 7 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	2.58 ug/L	16653	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexenedioic acid, bis(trimethv...	288	C12H24O4Si2	055494-10-5	38
2	Ethanedioic acid, bis(trimethyls...	234	C8H18O4Si2	018294-04-7	28
3	Malonic acid, bis(2-trimethylsil...	304	C13H28O4Si2	090744-45-9	28
4	Benzoic acid, 4-[(trimethylsilyl...	281	C13H23NO2Si2	018406-05-8	25
5	Mercaptoacetic acid, bis(trimeth...	236	C8H20O2SSi2	006398-62-5	23





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Operator : MD/SY
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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBR9

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

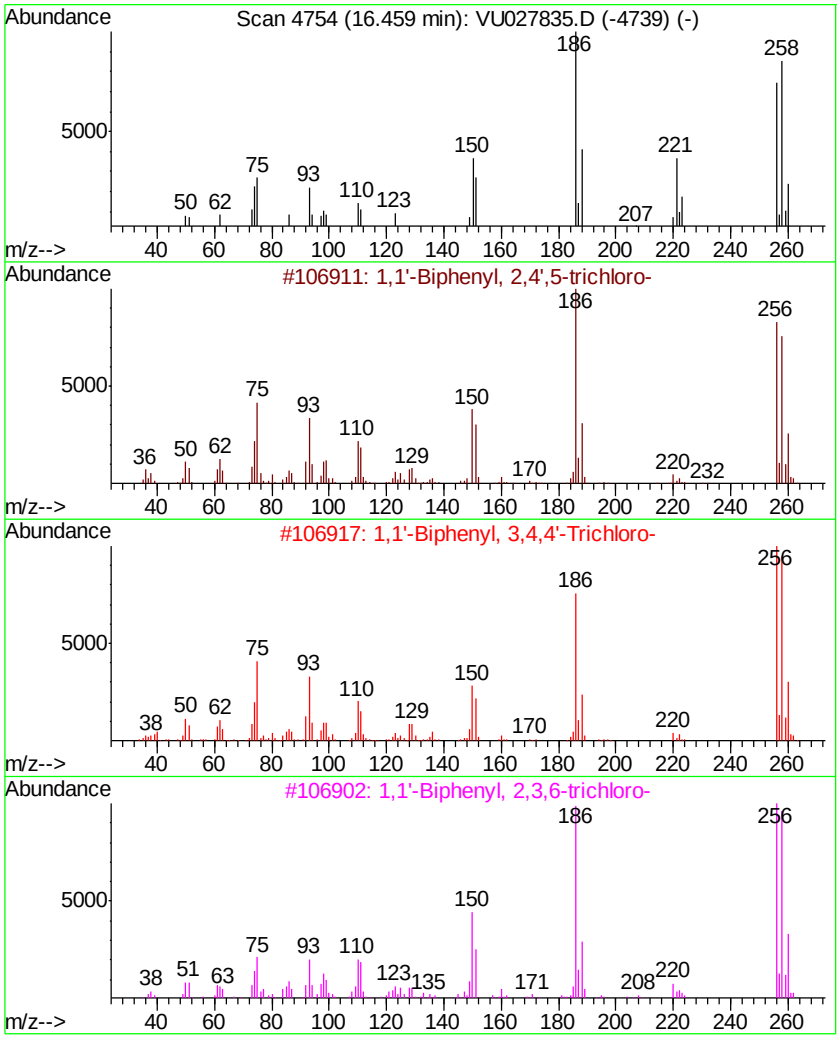
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

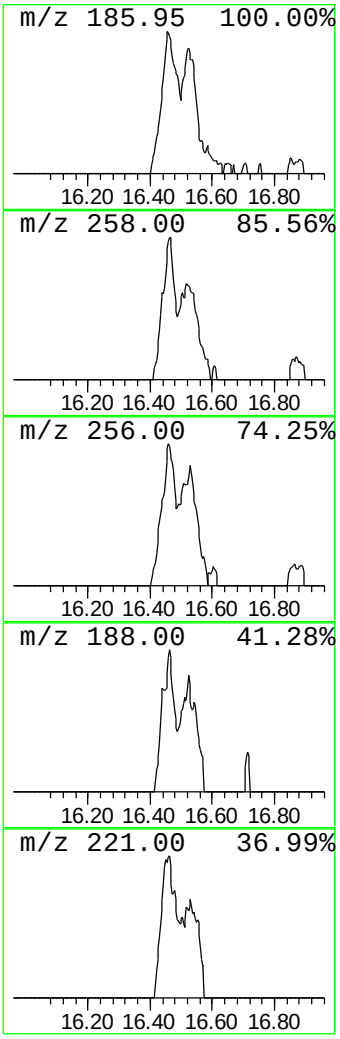
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.46	4.69 ug/L	30261	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	98
2	1,1'-Biphenyl, 3,4,4'-Trichloro-	256	C12H7Cl3	038444-90-5	98
3	1,1'-Biphenyl, 2,3,6-trichloro-	256	C12H7Cl3	055702-45-9	97
4	1,1'-Biphenyl, 2,4,6-trichloro-	256	C12H7Cl3	035693-92-6	92
5	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102618\
Data File : VU027835.D
Acq On : 26 Oct 2018 15:52
Operator : MD/SY
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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBR9

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	2.6	ug/L	15178	1	5.89	295072	50.0
1,1'-Biphenyl, 2,...	14.59	11.9	ug/L	76551	3	11.48	322351	50.0
unknown-01	15.88	2.6	ug/L	16653	3	11.48	322351	50.0
1,1'-Biphenyl, 2,...	16.46	4.7	ug/L	30261	3	11.48	322351	50.0