LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102618\
Data File : VU027829.D
Acq On : 26 Oct 2018 13:32
Operator : MD/SY
Sample : J5668-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBP9

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	1.305	36	41	46	rBV	6595	6655	0.21%	0.084%
2	1.405	63	72	90	rBV	937270	977595	31.57%	12.310%
3	1.682	151	158	173	rVB	35998	46796	1.51%	0.589%
4	2.273	332	342	354	rBV	76129	118838	3.84%	1.496%
5	2.386	370	377	381	rVB4	452	560	0.02%	0.007%
6	2.447	385	396	412	rBV2	15314	26618	0.86%	0.335%
7	2.624	445	451	459	rBV3	344	683	0.02%	0.009%
8	2.788	498	502	504	rBV	155	150	0.00%	0.002%
9	2.842	509	519	524	rVB2	617	1142	0.04%	0.014%
10	2.987	555	564	576	rVV2	8233	14393	0.46%	0.181%
11	3.183	622	625	627	rBV2	296	174	0.01%	0.002%
12	3.199	627	630	633	rVB3	328	226	0.01%	0.003%
13	3.382	684	687	691	rBV	203	226	0.01%	0.003%
14	3.495	717	722	725	rBV	185	247	0.01%	0.003%
15	3.669	773	776	780	rVB	191	145	0.00%	0.002%
16	3.698	781	785	787	rBV	149	154	0.00%	0.002%
17	3.765	803	806	808	rVB	182	122	0.00%	0.002%
18	3.784	809	812	814	rBV	153	126	0.00%	0.002%
19	3.894	843	846	850	rVB	201	193	0.01%	0.002%
20	3.919	850	854	855	rBV	176	147	0.00%	0.002%
21	3.958	863	866	869	rBV	169	152	0.00%	0.002%
22	4.006	878	881	887	rVB	213	287	0.01%	0.004%
23	4.228	921	950	995	rBV	1232725	3096562	100.00%	38.993%
24	4.395	1000	1002	1008	rVB3	515	318	0.01%	0.004%
25	4.652	1063	1082	1107	rVV	65177	152848	4.94%	1.925%
26	5.029	1196	1199	1203	rVB	154	151	0.00%	0.002%
27	5.051	1204	1206	1209	rBV	317	256	0.01%	0.003%
28	5.344	1273	1297	1323	rBV2	130312	389851	12.59%	4.909%
29	5.492	1338	1343	1345	rBV	145	182	0.01%	0.002%
30	5.530	1352	1355	1361	rVB	195	202	0.01%	0.003%
31	5.566	1362	1366	1369	rBV	182	185	0.01%	0.002%
32	5.595	1372	1375	1381	rBV	140	222	0.01%	0.003%
33	5.646	1388	1391	1396	rVB2	282	258	0.01%	0.003%
34	5.717	1407	1413	1415	rBV	199	216	0.01%	0.003%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102618\
Data File : VU027829.D
Acq On : 26 Oct 2018 13:32
Operator : MD/SY
Sample : J5668-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBP9

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	5.791	1432	1436	1437	rBV2	156	116	0.00%	0.001%
36	5.887	1452	1466	1493	rBV	145990	283712	9.16%	3.573%
37	6.048	1512	1516	1520	rBB2	351	319	0.01%	0.004%
38	6.193	1554	1561	1568	rVB4	1155	1499	0.05%	0.019%
39	6.334	1592	1605	1627	rBV	93398	183967	5.94%	2.317%
40	6.553	1667	1673	1676	rBV	166	239	0.01%	0.003%
41	6.800	1747	1750	1752	rBV	144	131	0.00%	0.002%
42	6.826	1755	1758	1761	rVV	228	221	0.01%	0.003%
43	6.865	1763	1770	1778	rVV2	905	1497	0.05%	0.019%
44	6.955	1796	1798	1800	rBV	175	117	0.00%	0.001%
45	7.119	1846	1849	1852	rBB	164	129	0.00%	0.002%
46	7.138	1853	1855	1859	rBV	142	141	0.00%	0.002%
47	7.160	1859	1862	1865	rVB	169	136	0.00%	0.002%
48	7.180	1865	1868	1871	rBB	151	132	0.00%	0.002%
49	7.228	1872	1883	1903	rBV2	54071	95625	3.09%	1.204%
50	7.389	1926	1933	1946	rVB5	1170	2102	0.07%	0.026%
51	7.566	1975	1988	2005	rBV	175030	299922	9.69%	3.777%
52	7.643	2006	2012	2018	rVV3	1395	2151	0.07%	0.027%
53	7.681	2021	2024	2031	rVB2	247	206	0.01%	0.003%
54	7.852	2066	2077	2094	rBV	36911	62045	2.00%	0.781%
55	7.945	2103	2106	2108	rBV2	161	119	0.00%	0.001%
56	8.029	2129	2132	2135	rVB2	171	126	0.00%	0.002%
57	8.109	2154	2157	2160	rBV	172	171	0.01%	0.002%
58	8.183	2165	2180	2191	rBV	24248	61954	2.00%	0.780%
59	8.312	2211	2220	2244	rVB	155764	276331	8.92%	3.480%
60	8.463	2265	2267	2268	rBV	440	179	0.01%	0.002%
61	8.504	2276	2280	2283	rBV2	221	178	0.01%	0.002%
62	8.524	2284	2286	2289	rVB2	270	151	0.00%	0.002%
63	8.556	2293	2296	2298	rBV2	150	135	0.00%	0.002%
64	8.582	2302	2304	2308	rBV2	281	218	0.01%	0.003%
65	8.617	2312	2315	2318	rVB2	221	137	0.00%	0.002%
66	8.636	2318	2321	2323	rBV	265	206	0.01%	0.003%
67	8.710	2338	2344	2348	rBV2	209	289	0.01%	0.004%
68	8.758	2355	2359	2361	rBV2	276	265	0.01%	0.003%
69	9.090	2451	2462	2476	rBV	215165	349367	11.28%	4.399%
70	10.003	2744	2746	2750	rBV	308	233	0.01%	0.003%
71	10.051	2758	2761	2765	rVB2	242	183	0.01%	0.002%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102618\
Data File : VU027829.D
Acq On : 26 Oct 2018 13:32
Operator : MD/SY
Sample : J5668-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBP9

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	10.434	2868	2880	2898	rVB	123284	195576	6.32%	2.463%
73	10.617	2924	2937	2951	rVB2	14572	30808	0.99%	0.388%
74	10.874	3009	3017	3024	rBV2	853	1183	0.04%	0.015%
75	11.154	3102	3104	3107	rVB	271	140	0.00%	0.002%
76	11.485	3195	3207	3227	rBV	211631	330836	10.68%	4.166%
77	11.578	3232	3236	3238	rBV2	269	133	0.00%	0.002%
78	11.749	3280	3289	3304	rBV4	3474	6127	0.20%	0.077%
79	11.803	3304	3306	3311	rVV3	180	120	0.00%	0.002%
80	11.861	3312	3324	3345	rVV	178053	278023	8.98%	3.501%
81	12.077	3386	3391	3392	rBV2	193	170	0.01%	0.002%
82	12.286	3392	3456	3459	rBV4	61499	306422	9.90%	3.859%
83	13.131	3712	3719	3720	rBV2	524	593	0.02%	0.007%
84	13.311	3772	3775	3778	rVB4	437	286	0.01%	0.004%
85	13.343	3781	3785	3786	rBV2	191	155	0.01%	0.002%
86	13.446	3814	3817	3822	rBV2	204	215	0.01%	0.003%
87	14.041	3999	4002	4004	rBV	275	187	0.01%	0.002%
88	14.221	4038	4058	4059	rBV4	5260	10369	0.33%	0.131%
89	14.279	4069	4076	4089	rVB2	17237	29463	0.95%	0.371%
90	14.343	4092	4096	4097	rBV2	657	433	0.01%	0.005%
91	14.594	4146	4174	4207	rBV5	26050	132140	4.27%	1.664%
92	15.678	4496	4511	4525	rBV7	4385	12983	0.42%	0.163%
93	15.880	4565	4574	4586	rVB3	9955	16522	0.53%	0.208%
94	16.105	4642	4644	4646	rBV	330	139	0.00%	0.002%
95	16.350	4718	4720	4727	rVB4	481	376	0.01%	0.005%
96	16.456	4740	4753	4763	rBV9	6930	20171	0.65%	0.254%
97	16.556	4776	4784	4797	rVB2	47605	71055	2.29%	0.895%
98	16.707	4823	4831	4841	rBV2	6115	9239	0.30%	0.116%
99	17.176	4974	4977	4981	rBV2	1030	945	0.03%	0.012%
100	17.485	5065	5073	5084	rVB4	13812	24976	0.81%	0.315%

Sum of corrected areas: 7941314

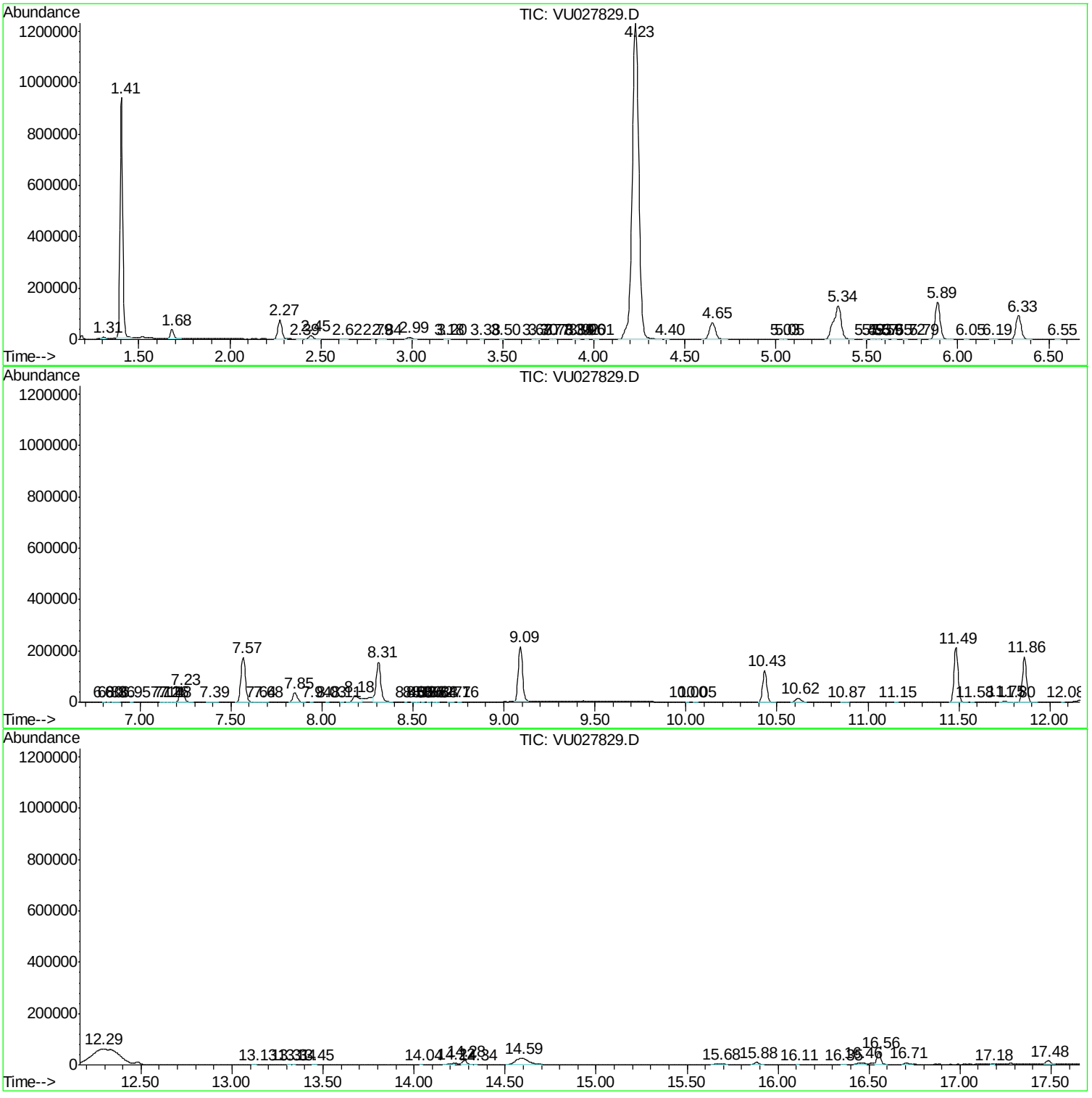
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102618\
Data File : VU027829.D
Acq On : 26 Oct 2018 13:32
Operator : MD/SY
Sample : J5668-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBP9

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 : VU027829.D
Acq On : 26 Oct 2018 13:32
Operator : MD/SY
Sample : J5668-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBP9

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

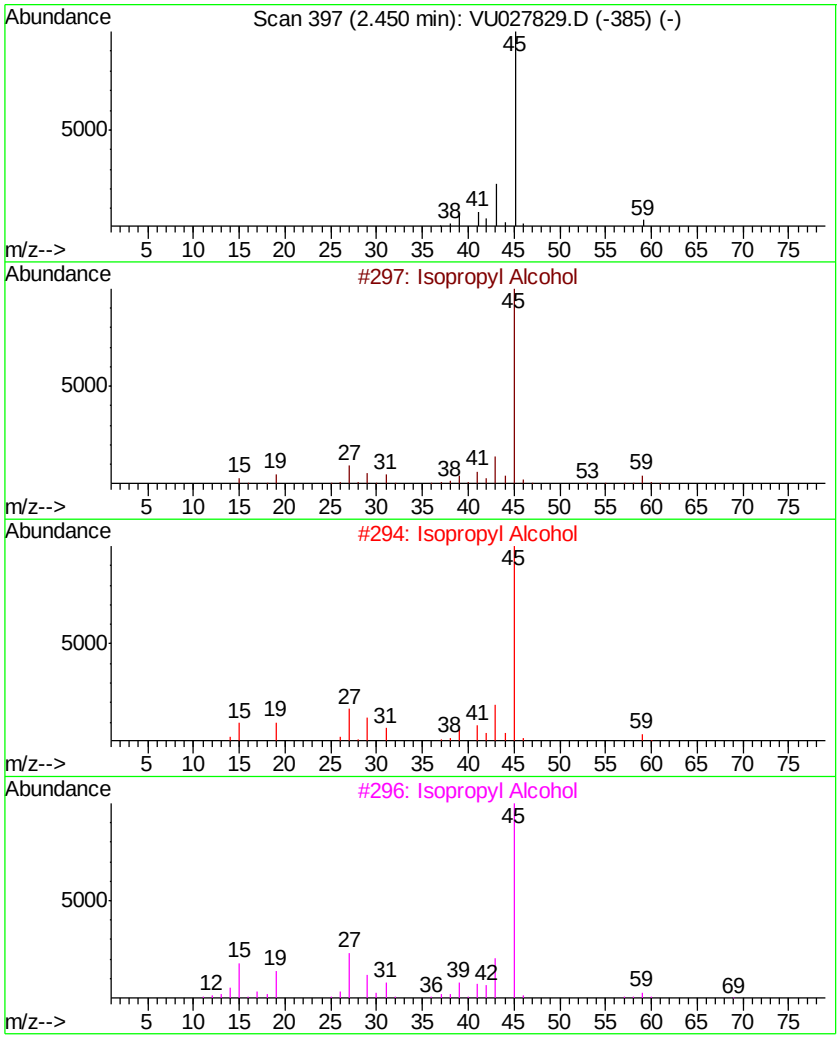
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

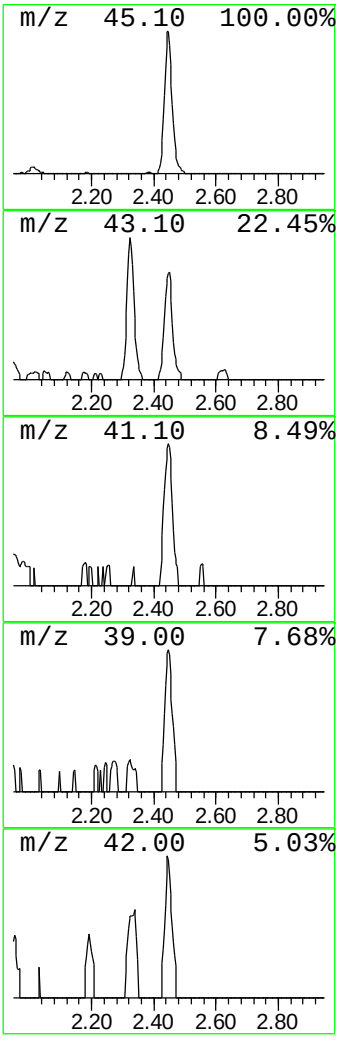
****

Peak Number 1 Isopropyl Alcohol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.45	4.69 ug/L	26618	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	74
3	Isopropyl Alcohol	60	C3H8O	000067-63-0	9
4	Isopropyl Alcohol	60	C3H8O	000067-63-0	9
5	4-Penten-2-ol	86	C5H10O	000625-31-0	4





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102618\
Data File : VU027829.D
Acq On : 26 Oct 2018 13:32
Operator : MD/SY
Sample : J5668-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBP9

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

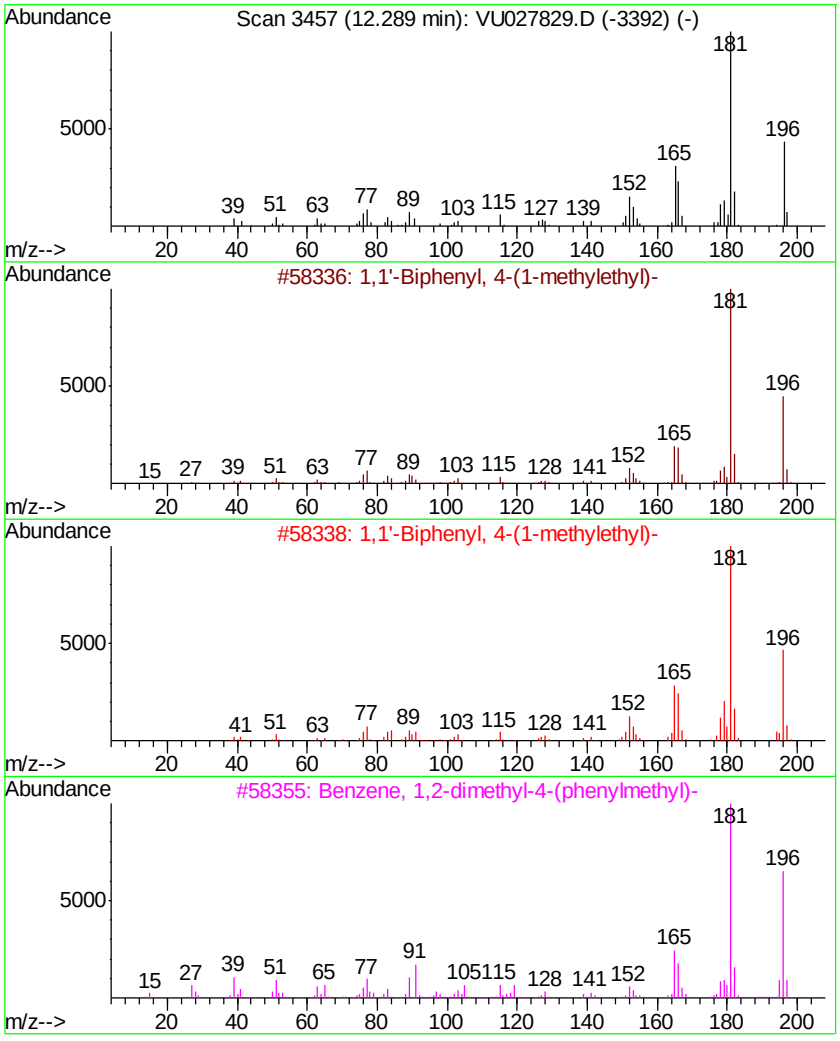
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

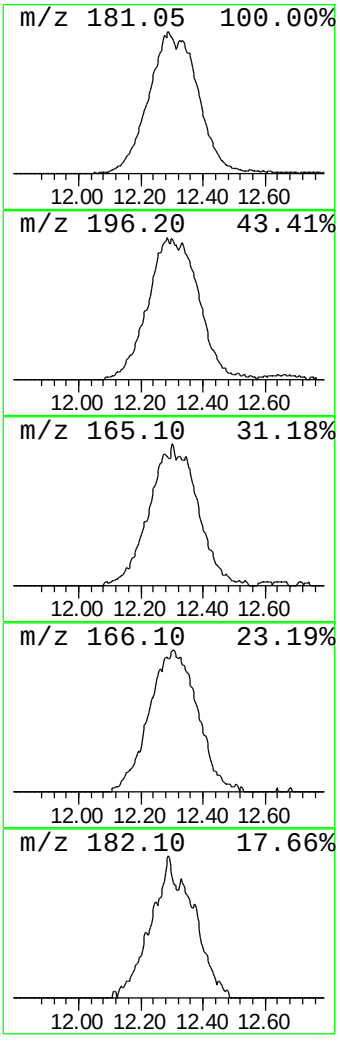
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	46.31 ug/L	306422	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	Benzene, 1,2-dimethyl-4-(phenylm...	196	C15H16	013540-56-2	94
4	Methane, di-p-tolyl-	196	C15H16	004957-14-6	91
5	Methane, di-p-tolyl-	196	C15H16	004957-14-6	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102618\
Data File : VU027829.D
Acq On : 26 Oct 2018 13:32
Operator : MD/SY
Sample : J5668-03
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Instrument : MSVOA_U
ClientSampleId : ETBP9

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

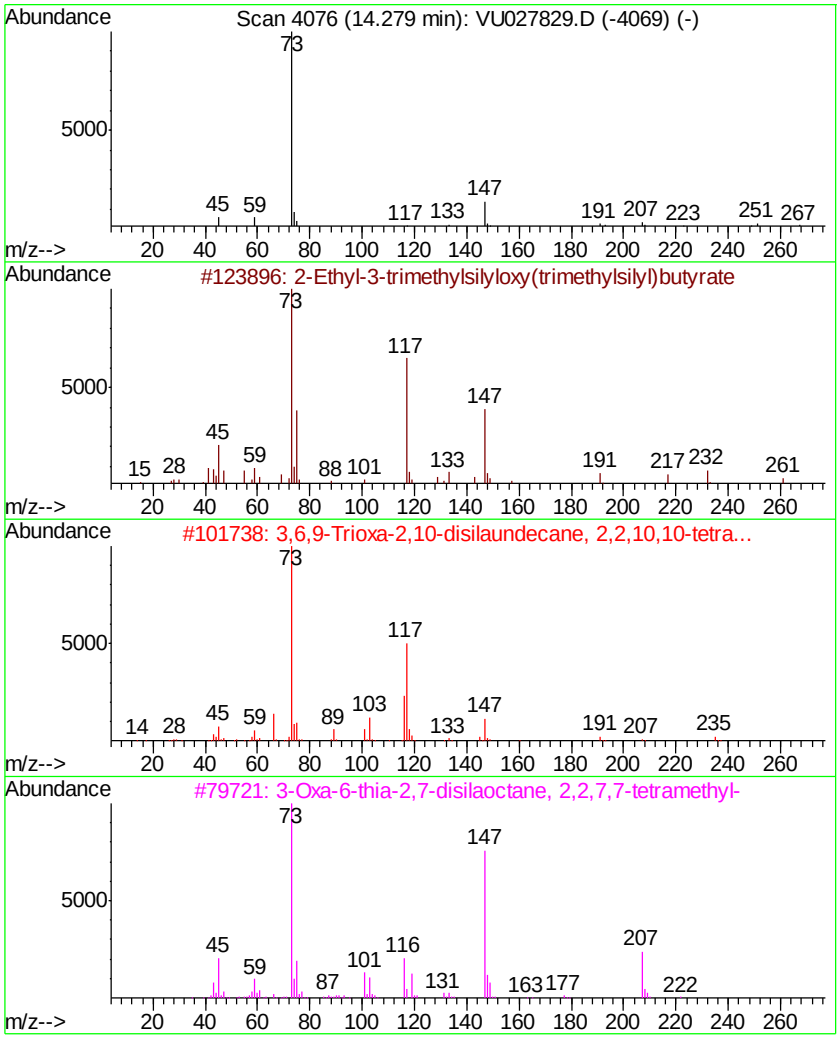
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

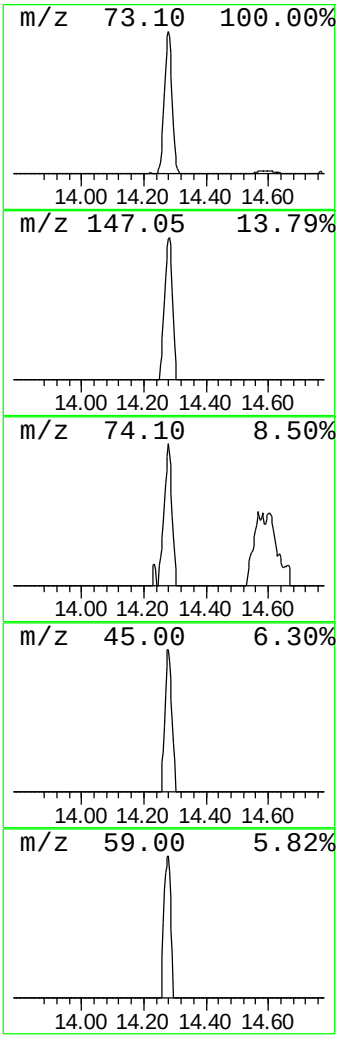
****

Peak Number 6 unknown-01 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	4.45 ug/L	29463	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Ethyl-3-trimethylsilyloxy(trim...	276	C12H28O3Si2	1000078-93-6	38
2	3,6,9-Trioxa-2,10-disilaundecane...	250	C10H26O3Si2	016654-74-3	28
3	3-Oxa-6-thia-2,7-disilaoctane, 2...	222	C8H22OSSi2	078921-31-0	23
4	Spiro[2.4]hept-5-ene, 5-trimethy...	252	C14H28Si2	1000153-96-9	17
5	Silane, (2-ethyl-3,3-dimethyl-4-...	208	C13H24Si	095798-13-3	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102618\
Data File : VU027829.D
Acq On : 26 Oct 2018 13:32
Operator : MD/SY
Sample : J5668-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBP9

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

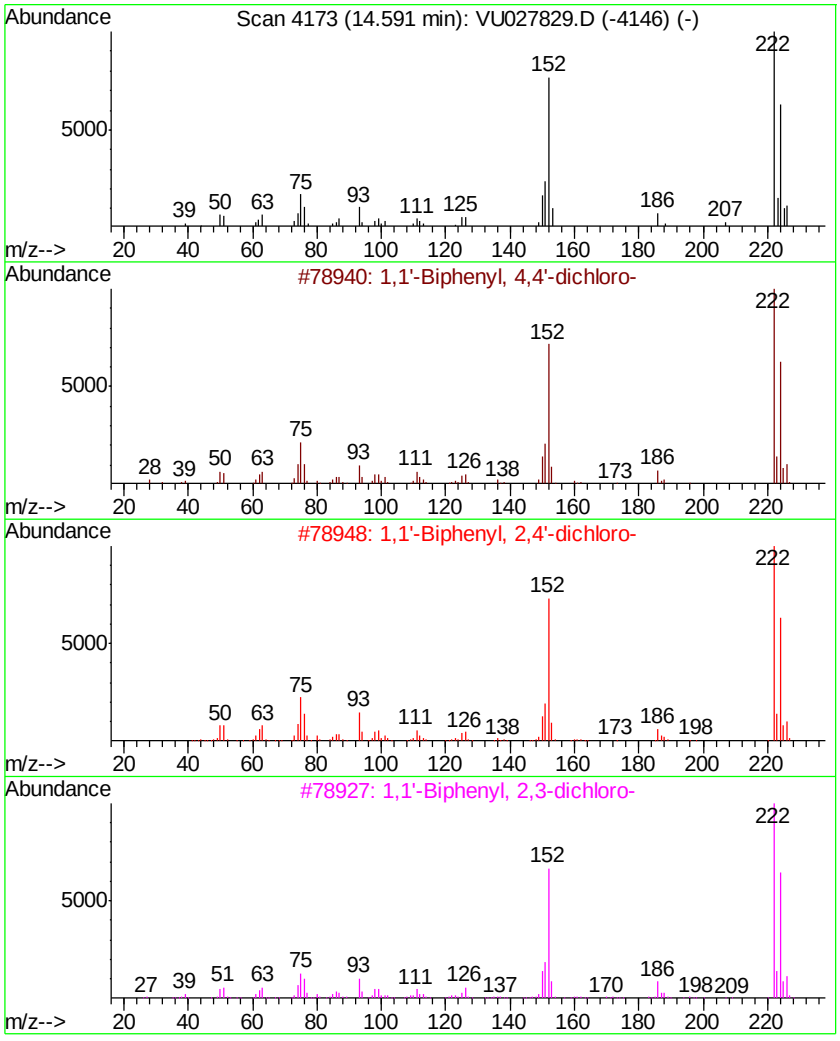
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

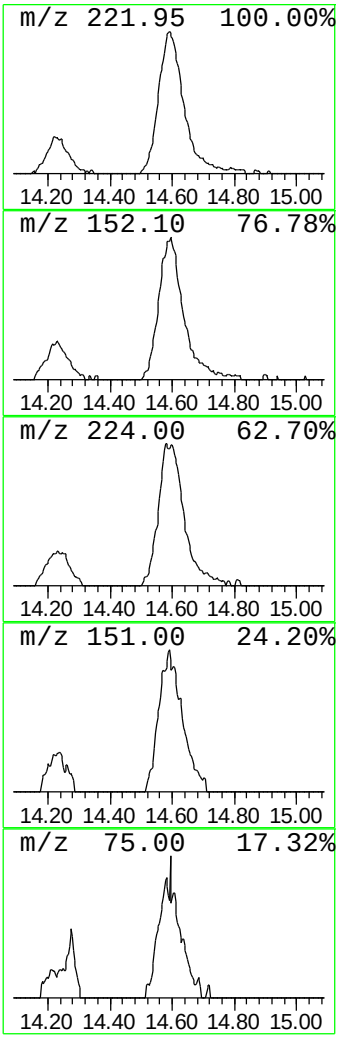
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	19.97 ug/L	132140	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	99
2	1,1'-Biphenyl, 2,4'-dichloro-	222	C12H8Cl2	034883-43-7	99
3	1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	99
4	1,1'-Biphenyl, 3,4-dichloro-	222	C12H8Cl2	002974-92-7	99
5	1,1'-Biphenyl, 3,4'-dichloro-	222	C12H8Cl2	002974-90-5	99





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102618\
Data File : VU027829.D
Acq On : 26 Oct 2018 13:32
Operator : MD/SY
Sample : J5668-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBP9

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

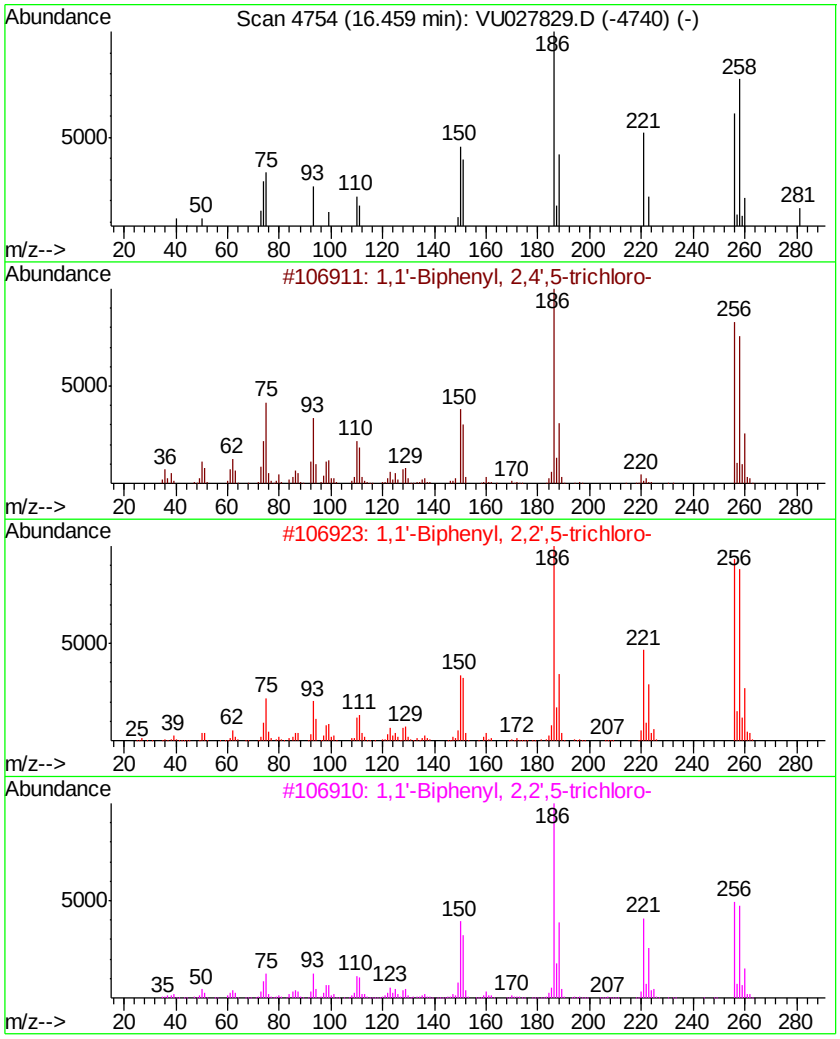
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

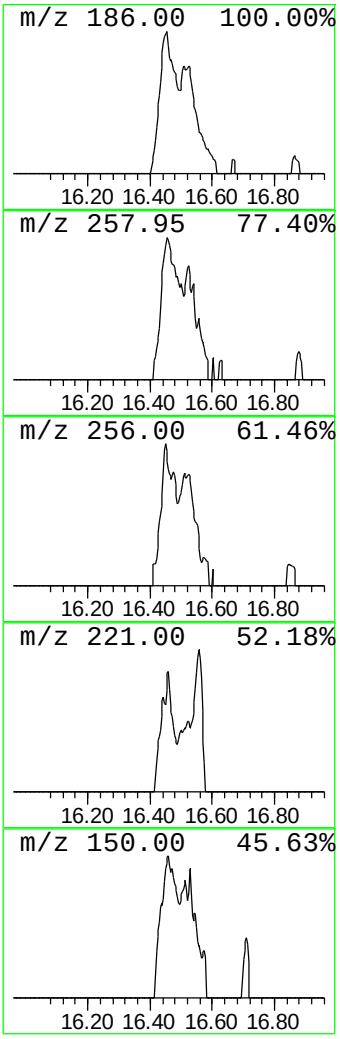
****

Peak Number 8 1,1'-Biphenyl, 2,4',5-trich... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.46	3.05 ug/L	20171	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, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	97
3	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	97
4	2,2',4-Trichloro-1,1'-biphenyl	256	C12H7Cl3	037680-66-3	97
5	1,1'-Biphenyl, 3,3',5-trichloro-	256	C12H7Cl3	038444-87-0	97





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102618\
Data File : VU027829.D
Acq On : 26 Oct 2018 13:32
Operator : MD/SY
Sample : J5668-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBP9

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

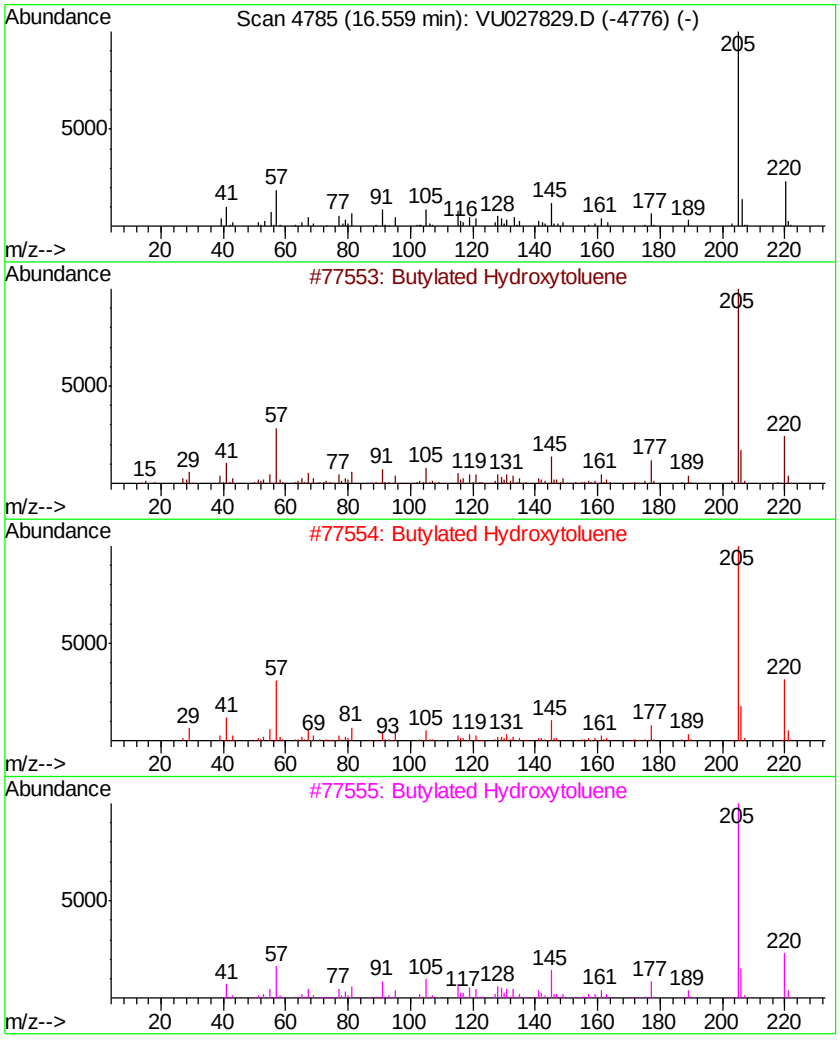
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

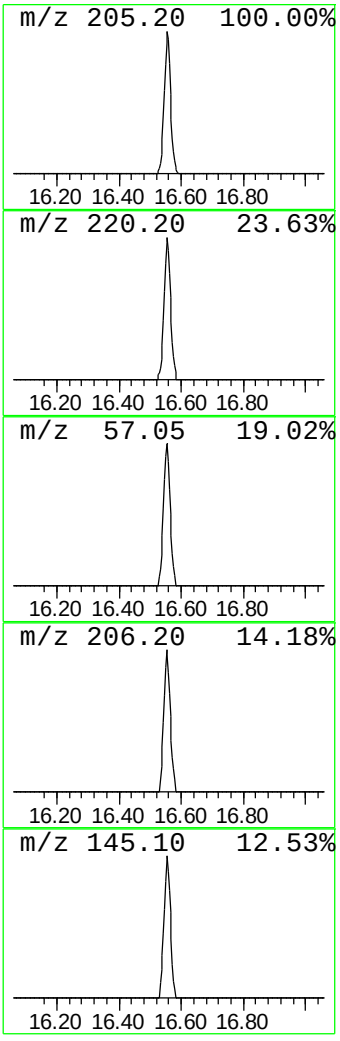
****

Peak Number 9 Butylated Hydroxytoluene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.56	10.74 ug/L	71055	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	93
2	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	93
3	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	93
4	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	86
5	Phenol, 2,4,6-tris(1-methylethyl)-	220	C15H24O	002934-07-8	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102618\
Data File : VU027829.D
Acq On : 26 Oct 2018 13:32
Operator : MD/SY
Sample : J5668-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBP9

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

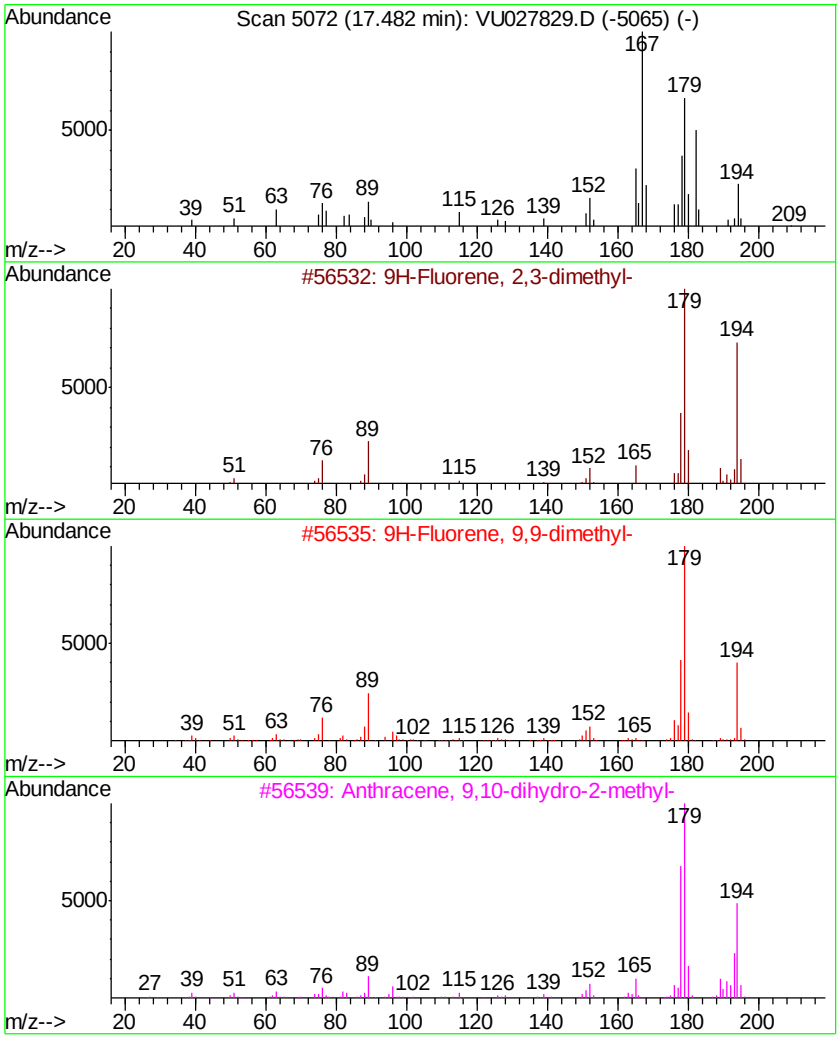
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

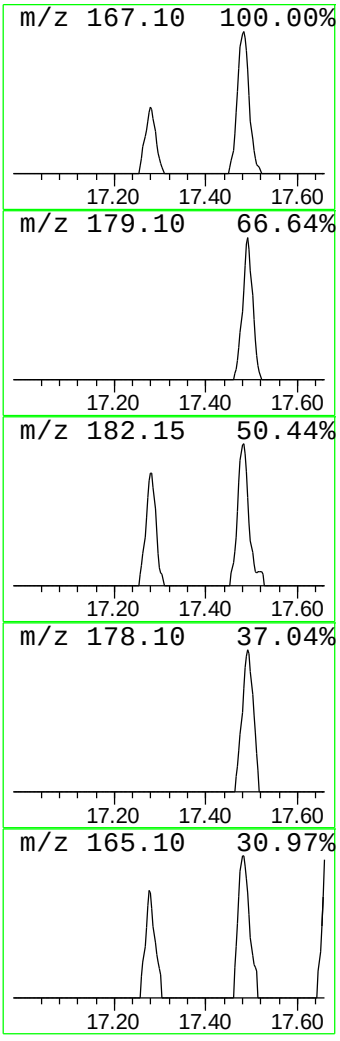
****

Peak Number 10 9H-Fluorene, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.48	3.77 ug/L	24976	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2,3-dimethyl-	194	C15H14	004612-63-9	70
2	9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	45
3	Anthracene, 9,10-dihydro-2-methyl-	194	C15H14	000948-67-4	45
4	Benzene, 1,1'-ethylidenebis-	182	C14H14	000612-00-0	43
5	9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102618\
Data File : VU027829.D
Acq On : 26 Oct 2018 13:32
Operator : MD/SY
Sample : J5668-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBP9

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	26618	1	5.89	283712	50.0
1,1'-Biphenyl, 4-...	12.29	46.3	ug/L	306422	3	11.48	330836	50.0
unknown-01	14.28	4.5	ug/L	29463	3	11.48	330836	50.0
1,1'-Biphenyl, 4,...	14.59	20.0	ug/L	132140	3	11.48	330836	50.0
1,1'-Biphenyl, 2,...	16.46	3.0	ug/L	20171	3	11.48	330836	50.0
Butylated Hydroxy...	16.56	10.7	ug/L	71055	3	11.48	330836	50.0
9H-Fluorene, 2,3-...	17.48	3.8	ug/L	24976	3	11.48	330836	50.0