LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082318\
Data File : VV007158.D
Acq On : 23 Aug 2018 23:02
Operator : SY/MD
Sample : J4622-16
Misc : 5.0 mL/MSVOA V/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETBK8

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_V\METHOD\SOMVLM082218WMA.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	1.029	27	43	67	rBV	4184021	5294828	100.00%	22.624%
2	1.222	98	103	109	rVB2	22588	21991	0.42%	0.094%
3	1.321	124	134	142	rBV2	344629	410614	7.76%	1.755%
4	1.395	152	157	161	rBV	34762	39781	0.75%	0.170%
5	1.427	162	167	175	rVB	78299	86979	1.64%	0.372%
6	1.476	177	182	189	rBV	83935	87848	1.66%	0.375%
7	1.569	205	211	225	rVB	189226	241441	4.56%	1.032%
8	2.061	359	364	375	rVB3	37429	63302	1.20%	0.270%
9	2.128	376	385	397	rVB	427887	598621	11.31%	2.558%
10	2.231	410	417	430	rVB	249755	364880	6.89%	1.559%
11	2.324	438	446	469	rBV2	69442	259249	4.90%	1.108%
12	2.463	483	489	505	rVB	77157	124773	2.36%	0.533%
13	3.858	911	923	937	rBV3	28095	63626	1.20%	0.272%
14	3.961	937	955	970	rBV3	313723	835846	15.79%	3.571%
15	4.041	973	980	1004	rVB2	68891	176124	3.33%	0.753%
16	4.405	1075	1093	1121	rVV	359315	874841	16.52%	3.738%
17	4.569	1130	1144	1169	rVB	43652	103100	1.95%	0.441%
18	4.726	1190	1193	1197	rVB4	935	686	0.01%	0.003%
19	4.890	1241	1244	1247	rBV3	1228	750	0.01%	0.003%
20	5.000	1275	1278	1284	rBV4	918	726	0.01%	0.003%
21	5.099	1289	1309	1339	rBV2	841842	2023983	38.23%	8.648%
22	5.385	1383	1398	1402	rBV9	5258	10170	0.19%	0.043%
23	5.408	1402	1405	1407	rBV3	1716	1256	0.02%	0.005%
24	5.668	1472	1486	1508	rBV	667712	1307954	24.70%	5.589%
25	5.955	1567	1575	1586	rVB	8479	17004	0.32%	0.073%
26	6.032	1595	1599	1602	rBV4	2578	2275	0.04%	0.010%
27	6.125	1612	1628	1648	rBV	483349	1013739	19.15%	4.332%
28	6.392	1705	1711	1725	rVB	35806	68857	1.30%	0.294%
29	6.704	1805	1808	1809	rBV3	1375	884	0.02%	0.004%
30	7.035	1893	1911	1928	rBV	223974	397747	7.51%	1.700%
31	7.141	1933	1944	1956	rBV3	20107	40141	0.76%	0.172%
32	7.292	1983	1991	2000	rVB5	4190	6679	0.13%	0.029%
33	7.366	2000	2014	2028	rBV	802659	1412785	26.68%	6.037%
34	7.527	2059	2064	2070	rVB6	2635	3154	0.06%	0.013%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082318\
Data File : VV007158.D
Acq On : 23 Aug 2018 23:02
Operator : SY/MD
Sample : J4622-16
Misc : 5.0 mL/MSVOA V/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETBK8

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_V\METHOD\SOMVLM082218WMA.M
Title : VOC Analysis

35	7.668	2096	2108	2124	rBV	159852	265472	5.01%	1.134%
36	7.987	2202	2207	2215	rVB7	1744	2782	0.05%	0.012%
37	8.057	2221	2229	2235	rBV6	4987	7997	0.15%	0.034%
38	8.144	2243	2256	2290	rBV2	479180	1084645	20.48%	4.635%
39	8.292	2291	2302	2326	rVB2	230574	408539	7.72%	1.746%
40	8.495	2359	2365	2373	rVB6	4798	6937	0.13%	0.030%
41	8.697	2425	2428	2434	rVB6	1304	1078	0.02%	0.005%
42	8.762	2437	2448	2460	rVV2	37054	65942	1.25%	0.282%
43	8.900	2477	2491	2520	rBV	962894	1584212	29.92%	6.769%
44	9.086	2547	2549	2555	rVB7	2051	1523	0.03%	0.007%
45	9.180	2570	2578	2588	rVB7	4531	8432	0.16%	0.036%
46	9.337	2621	2627	2632	rBV7	934	1014	0.02%	0.004%
47	9.552	2686	2694	2700	rBV6	1732	2660	0.05%	0.011%
48	9.591	2700	2706	2708	rVV7	914	975	0.02%	0.004%
49	9.604	2708	2710	2715	rVB4	1288	852	0.02%	0.004%
50	9.646	2718	2723	2731	rBV7	2105	2981	0.06%	0.013%
51	9.752	2750	2756	2768	rBV5	5503	8861	0.17%	0.038%
52	9.858	2778	2789	2801	rBV4	25303	46740	0.88%	0.200%
53	10.064	2839	2853	2863	rBV2	19320	33747	0.64%	0.144%
54	10.125	2868	2872	2874	rVB4	1582	1080	0.02%	0.005%
55	10.141	2874	2877	2881	rBV3	929	765	0.01%	0.003%
56	10.266	2903	2916	2935	rBV	684908	1085929	20.51%	4.640%
57	10.501	2986	2989	2995	rVB4	1056	770	0.01%	0.003%
58	10.630	3022	3029	3031	rBV7	852	1027	0.02%	0.004%
59	10.675	3039	3043	3046	rVV4	1582	1398	0.03%	0.006%
60	10.765	3067	3071	3078	rVB5	1909	2187	0.04%	0.009%
61	10.813	3078	3086	3088	rBV6	3430	4510	0.09%	0.019%
62	10.842	3090	3095	3104	rVB6	6238	10000	0.19%	0.043%
63	10.961	3124	3132	3134	rBV6	1677	2013	0.04%	0.009%
64	10.993	3138	3142	3148	rVB7	1981	2136	0.04%	0.009%
65	11.086	3167	3171	3172	rBV2	1264	880	0.02%	0.004%
66	11.125	3181	3183	3187	rVB3	1074	698	0.01%	0.003%
67	11.202	3195	3207	3215	rBV10	5745	11528	0.22%	0.049%
68	11.302	3225	3238	3262	rBV	765429	1252708	23.66%	5.353%
69	11.533	3299	3310	3325	rBV4	43366	111650	2.11%	0.477%
70	11.678	3342	3355	3378	rVB	764862	1251317	23.63%	5.347%
71	11.761	3378	3381	3385	rBV4	924	732	0.01%	0.003%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082318\
Data File : VV007158.D
Acq On : 23 Aug 2018 23:02
Operator : SY/MD
Sample : J4622-16
Misc : 5.0 mL/MSVOA V/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETBK8

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_V\METHOD\SOMVLM082218WMA.M
Title : VOC Analysis

72	11.781	3385	3387	3392	rVB4	1520	1148	0.02%	0.005%
73	11.845	3397	3407	3425	rBV2	35990	70013	1.32%	0.299%
74	11.932	3427	3434	3445	rVB3	9487	15076	0.28%	0.064%
75	12.035	3462	3466	3467	rVV3	1079	815	0.02%	0.003%
76	12.067	3467	3476	3483	rVB10	6078	11164	0.21%	0.048%
77	12.298	3538	3548	3555	rVV7	4045	7272	0.14%	0.031%
78	12.347	3559	3563	3566	rVB4	1445	1226	0.02%	0.005%
79	12.398	3572	3579	3586	rBV8	5438	9587	0.18%	0.041%
80	12.491	3604	3608	3612	rVB4	1565	1381	0.03%	0.006%
81	12.697	3668	3672	3675	rBV5	1151	785	0.01%	0.003%
82	12.755	3686	3690	3695	rVB6	1021	882	0.02%	0.004%
83	12.790	3695	3701	3702	rBV6	1180	1167	0.02%	0.005%
84	12.845	3713	3718	3721	rVB5	1253	1092	0.02%	0.005%
85	12.884	3725	3730	3737	rVV7	3729	4784	0.09%	0.020%
86	12.929	3741	3744	3750	rVB5	1320	1370	0.03%	0.006%
87	13.009	3758	3769	3779	rBV3	9710	16364	0.31%	0.070%
88	13.121	3802	3804	3812	rVB6	1034	991	0.02%	0.004%
89	13.192	3819	3826	3833	rBV10	7402	11397	0.22%	0.049%
90	13.321	3862	3866	3868	rBV5	920	703	0.01%	0.003%
91	13.359	3876	3878	3880	rBV2	1205	719	0.01%	0.003%
92	13.414	3891	3895	3900	rVB8	1069	1134	0.02%	0.005%
93	13.449	3900	3906	3910	rBV6	972	1198	0.02%	0.005%
94	13.478	3911	3915	3918	rBV4	2378	2066	0.04%	0.009%
95	14.031	4082	4087	4089	rBV3	1373	1174	0.02%	0.005%
96	14.237	4149	4151	4155	rBV3	1466	1282	0.02%	0.005%
97	14.427	4206	4210	4212	rBV4	1124	1049	0.02%	0.004%
98	14.639	4272	4276	4278	rBV4	1246	1042	0.02%	0.004%
99	15.282	4472	4476	4478	rBV4	1726	1436	0.03%	0.006%
100	15.420	4515	4519	4524	rBV8	1574	1673	0.03%	0.007%

Sum of corrected areas: 23403341

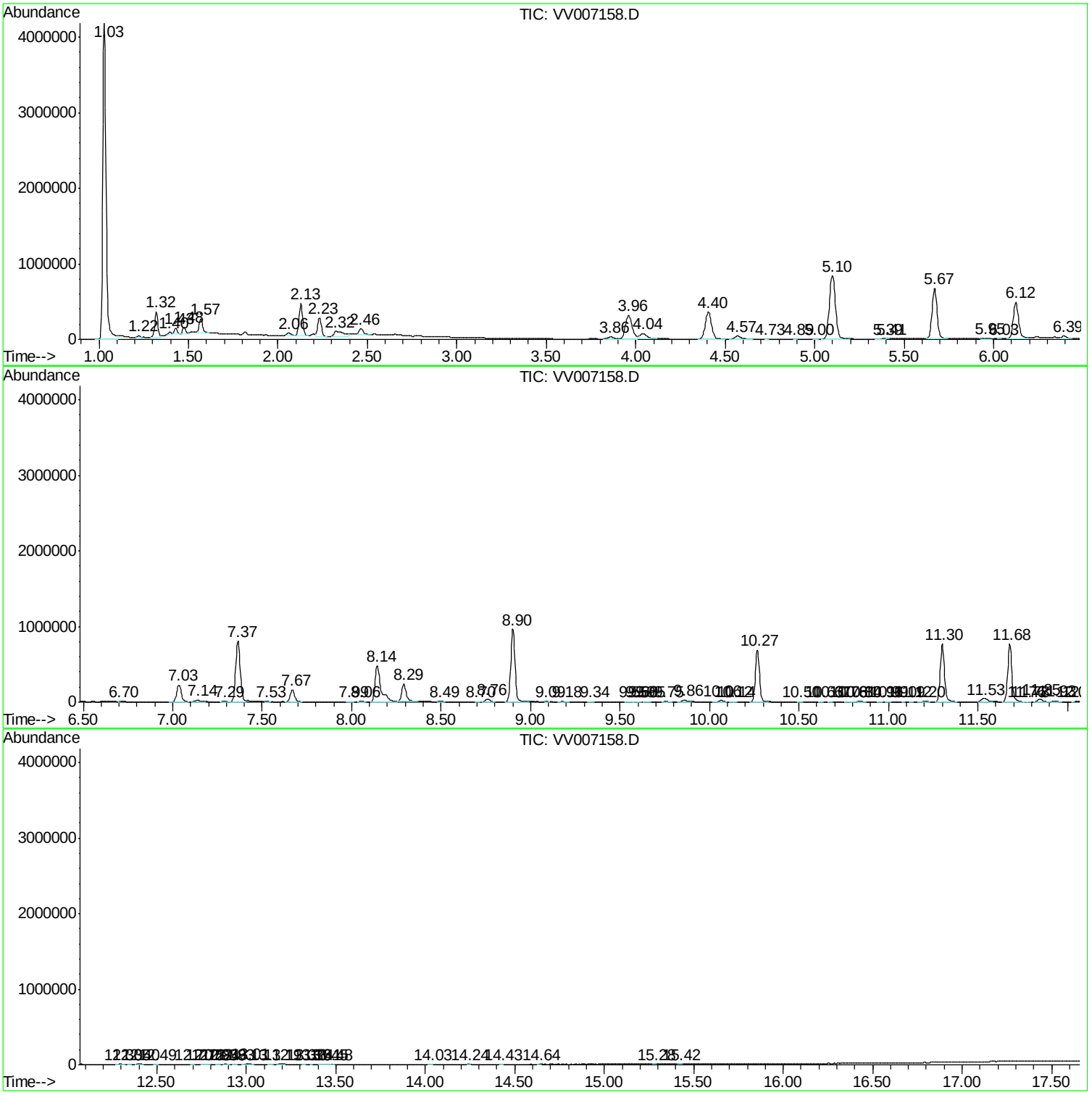
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082318\
Data File : VV007158.D
Acq On : 23 Aug 2018 23:02
Operator : SY/MD
Sample : J4622-16
Misc : 5.0 mL/MSVOA V/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETBK8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082218WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082318\
Data File : VV007158.D
Acq On : 23 Aug 2018 23:02
Operator : SY/MD
Sample : J4622-16
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETBK8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082218WMA.M
Quant Title : VOC Analysis

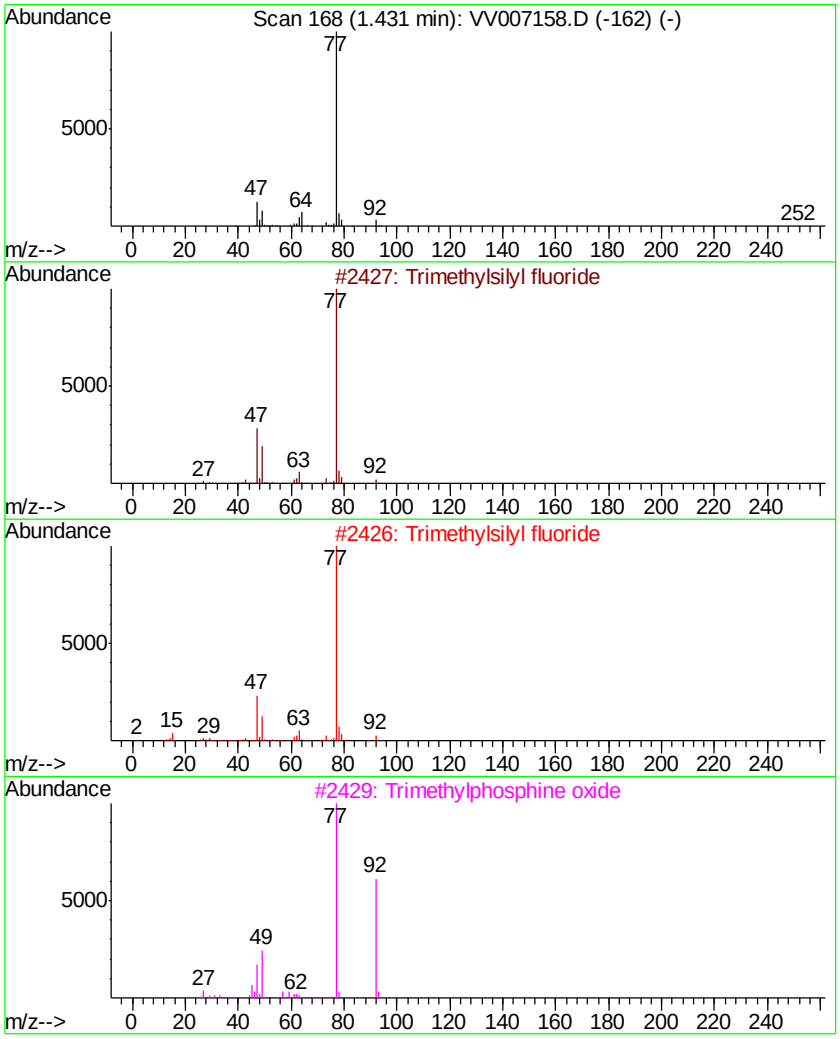
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

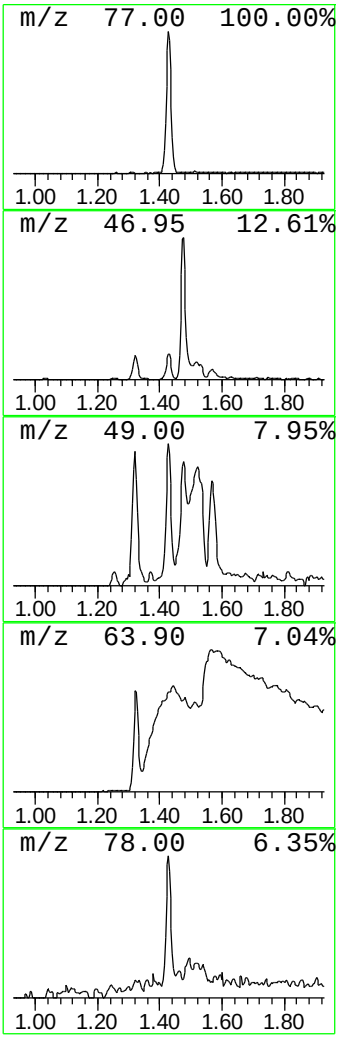
****

Peak Number 2 Trimethylsilyl fluoride Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.43	3.33 ug/L	86979	1,4-Difluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trimethylsilyl fluoride	92	C3H9FSi	000420-56-4	78
2	Trimethylsilyl fluoride	92	C3H9FSi	000420-56-4	49
3	Trimethylphosphine oxide	92	C3H9OP	000676-96-0	39
4	Propane, 1,2-dichloro-2-methyl-	126	C4H8Cl2	000594-37-6	39
5	Trimethylsilyl trifluoroacetate	186	C5H9F3O2Si	000400-53-3	39





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082318\
Data File : VV007158.D
Acq On : 23 Aug 2018 23:02
Operator : SY/MD
Sample : J4622-16
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETBK8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082218WMA.M
Quant Title : VOC Analysis

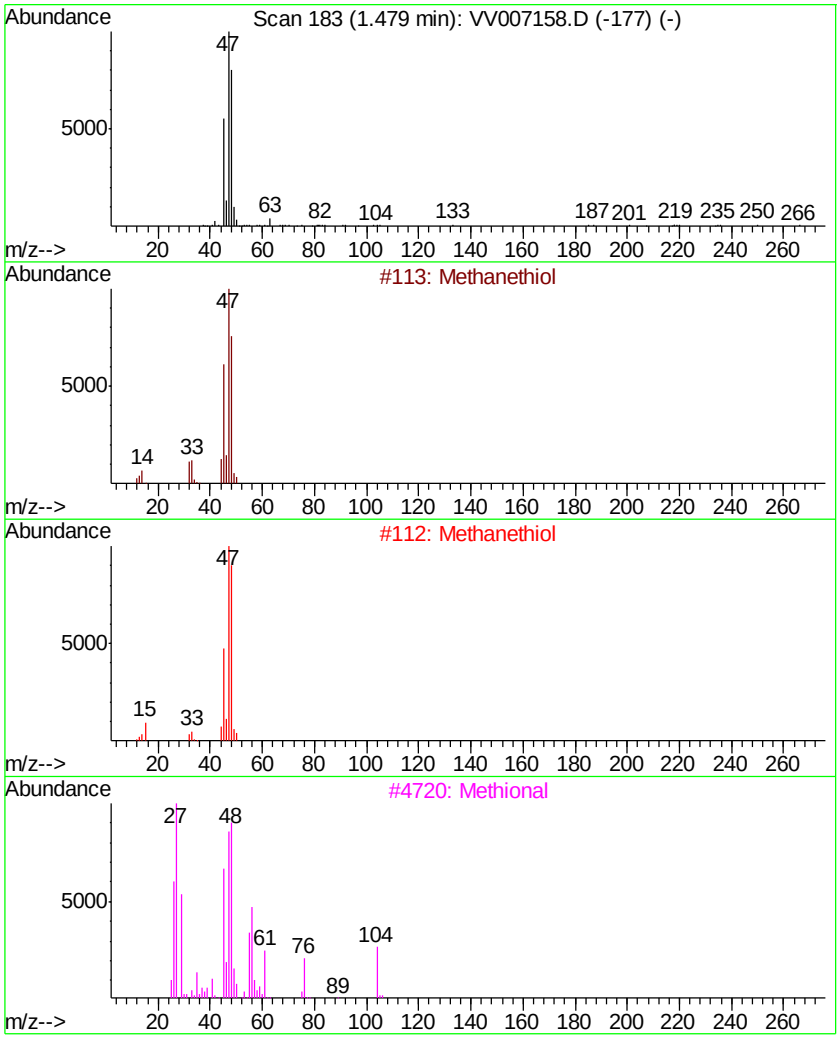
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

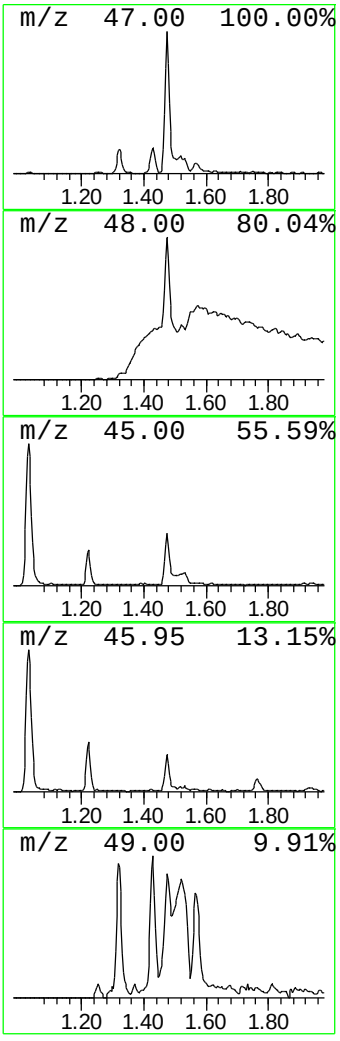
****

Peak Number 3 Methanethiol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.48	3.36 ug/L	87848	1,4-Difluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methanethiol	48	CH4S	000074-93-1	90
2	Methanethiol	48	CH4S	000074-93-1	90
3	Methional	104	C4H8OS	003268-49-3	9
4	Hydroxylamine, O-methyl-	47	CH5NO	000067-62-9	5
5	Hydroxylamine, O-methyl-	47	CH5NO	000067-62-9	4





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082318\
Data File : VV007158.D
Acq On : 23 Aug 2018 23:02
Operator : SY/MD
Sample : J4622-16
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETBK8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082218WMA.M
Quant Title : VOC Analysis

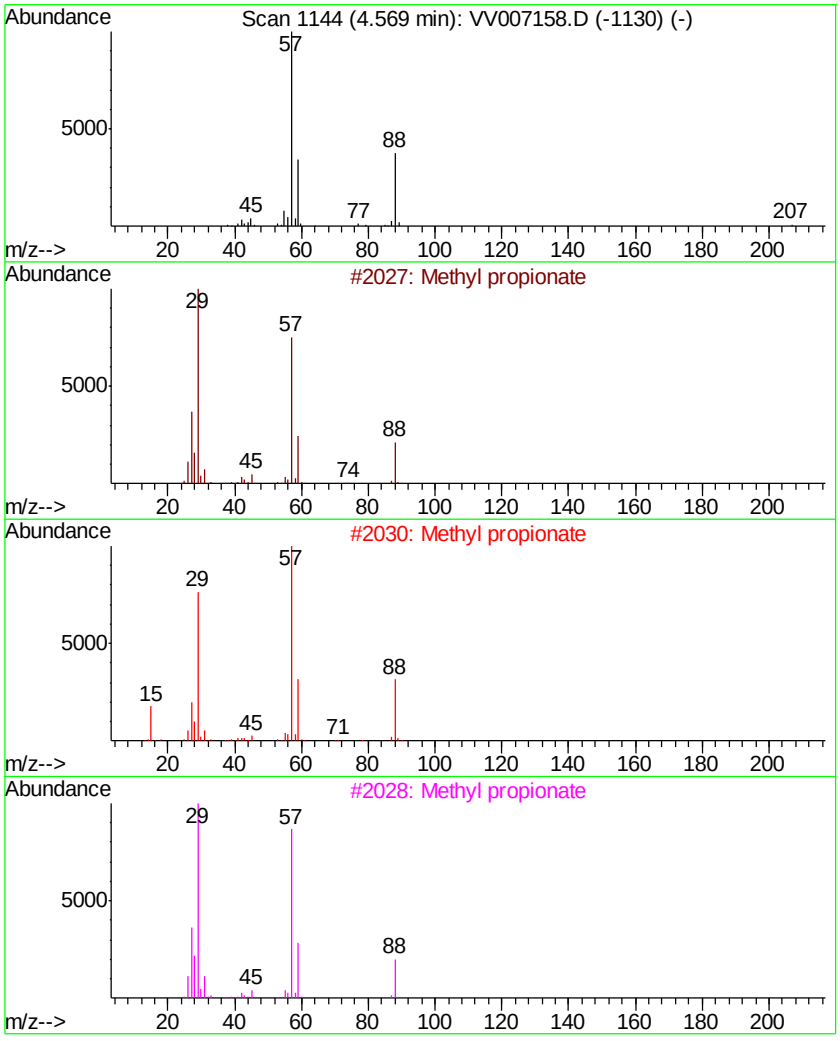
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

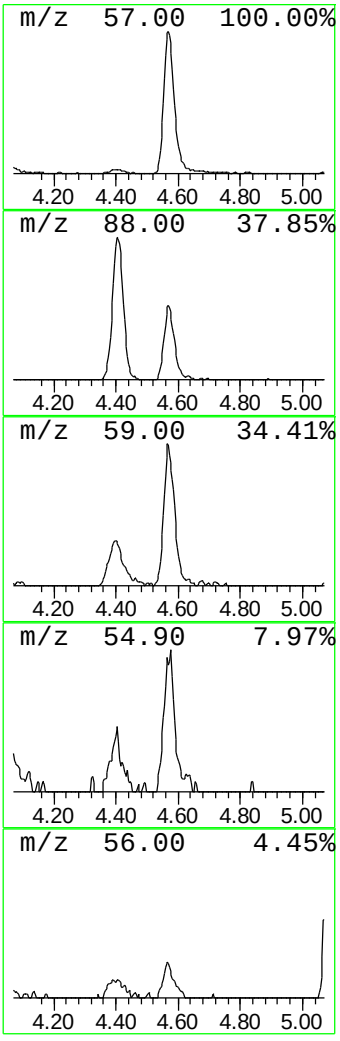
****

Peak Number 4 Methyl propionate Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.57	3.94 ug/L	103100	1,4-Difluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl propionate	88	C4H8O2	000554-12-1	90
2	Methyl propionate	88	C4H8O2	000554-12-1	86
3	Methyl propionate	88	C4H8O2	000554-12-1	83
4	Methyl propionate	88	C4H8O2	000554-12-1	53
5	3-tert-Butoxycarbonylamino-butyr...	203	C9H17NO4	1000317-53-1	36





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082318\
Data File : VV007158.D
Acq On : 23 Aug 2018 23:02
Operator : SY/MD
Sample : J4622-16
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETBK8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082218WMA.M
Quant Title : VOC Analysis

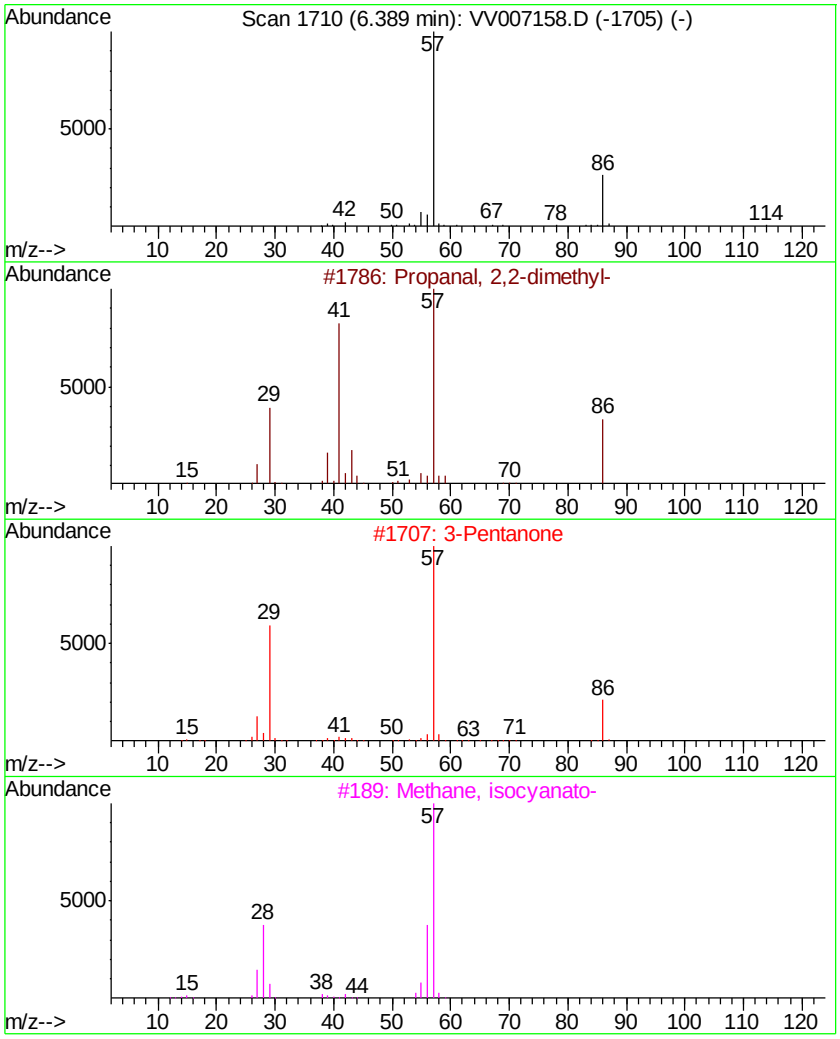
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

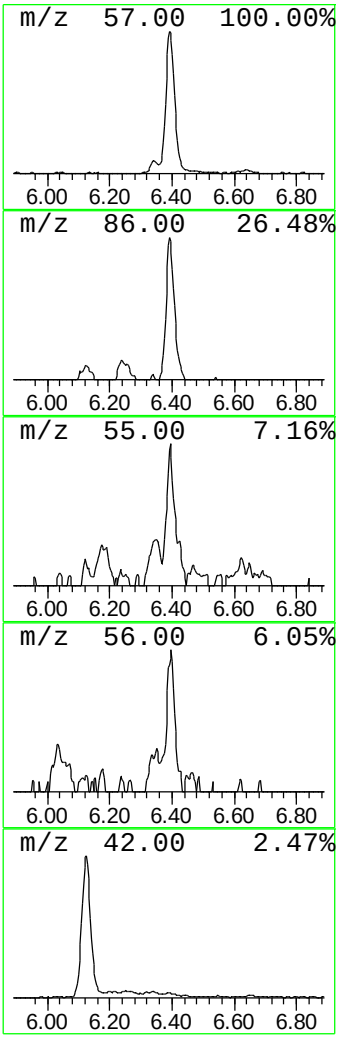
****

Peak Number 5 unknown-01 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.39	2.63 ug/L	68857	1,4-Difluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanal, 2,2-dimethyl-	86	C5H10O	000630-19-3	45
2	3-Pentanone	86	C5H10O	000096-22-0	45
3	Methane, isocyanato-	57	C2H3NO	000624-83-9	9
4	Methane, isocyanato-	57	C2H3NO	000624-83-9	9
5	3-Heptanone, 5-ethyl-4-methyl-	156	C10H20O	027607-63-2	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082318\
Data File : VV007158.D
Acq On : 23 Aug 2018 23:02
Operator : SY/MD
Sample : J4622-16
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETBK8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082218WMA.M
Quant Title : VOC Analysis

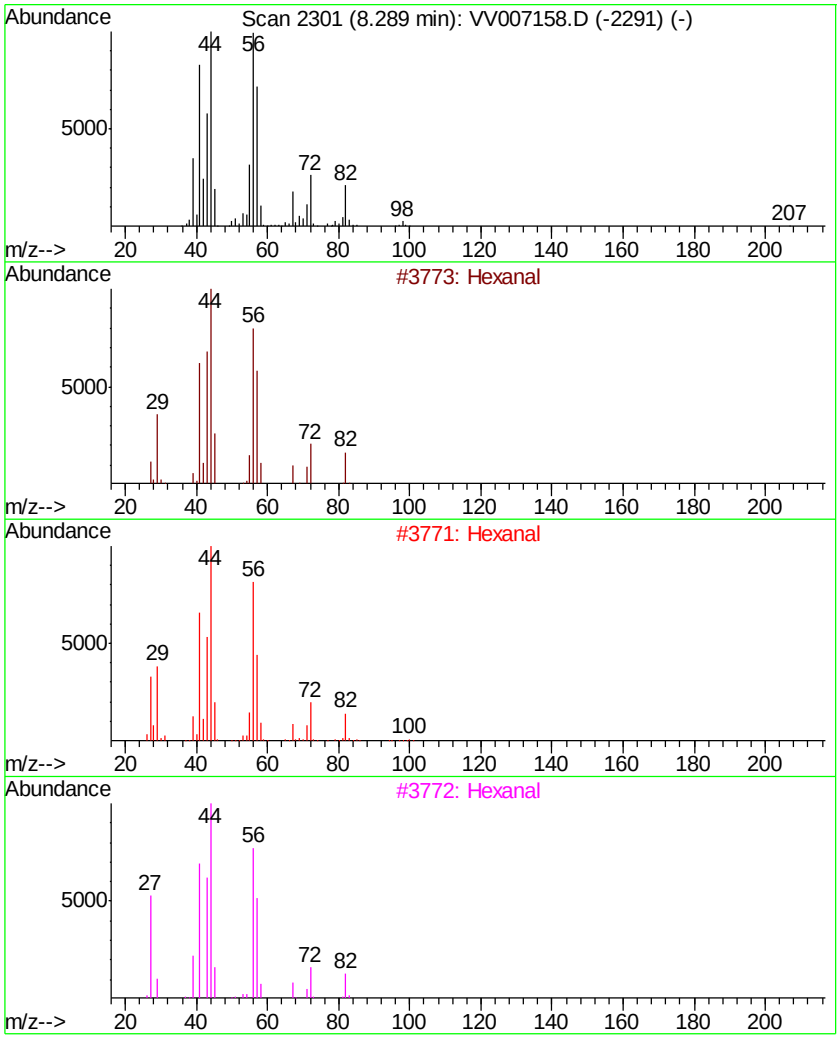
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

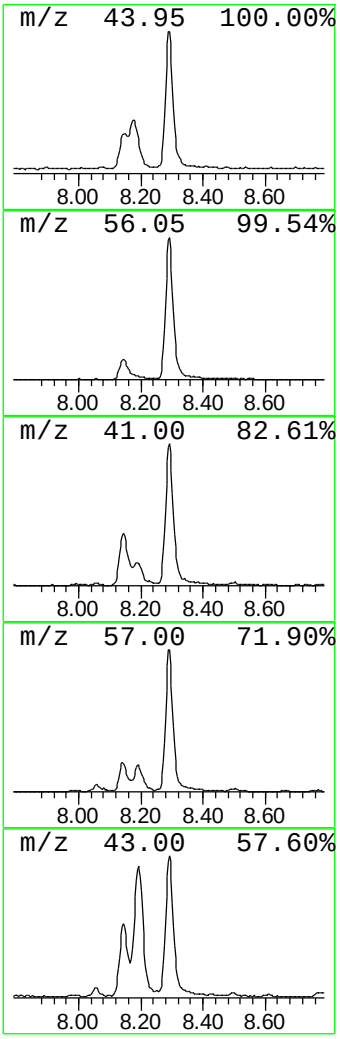
****

Peak Number 7 Hexanal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.29	12.89 ug/L	408539	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	83
2	Hexanal	100	C6H12O	000066-25-1	78
3	Hexanal	100	C6H12O	000066-25-1	78
4	Hexanal	100	C6H12O	000066-25-1	72
5	Glutaraldehyde	100	C5H8O2	000111-30-8	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082318\
Data File : VV007158.D
Acq On : 23 Aug 2018 23:02
Operator : SY/MD
Sample : J4622-16
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETBK8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082218WMA.M
Quant Title : VOC Analysis

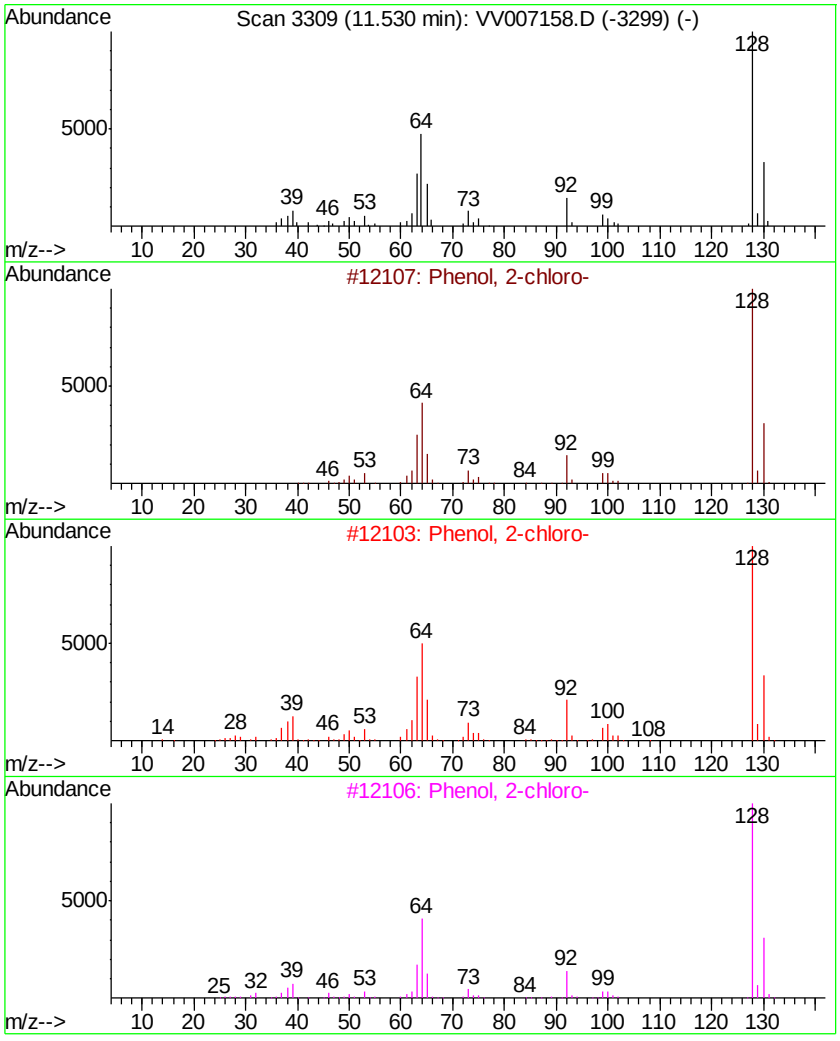
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

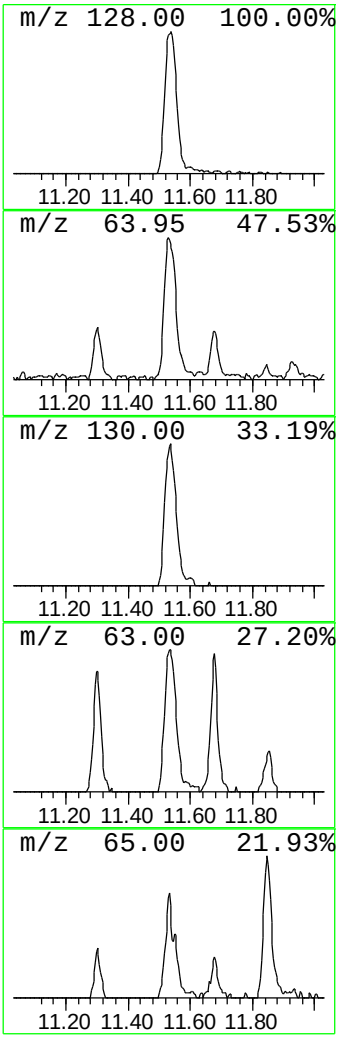
****

Peak Number 8 Phenol, 2-chloro- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.53	4.46 ug/L	111650	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-chloro-	128	C6H5ClO	000095-57-8	94
2	Phenol, 2-chloro-	128	C6H5ClO	000095-57-8	94
3	Phenol, 2-chloro-	128	C6H5ClO	000095-57-8	93
4	Phenol, 2-chloro-	128	C6H5ClO	000095-57-8	90
5	Parachlorophenol	128	C6H5ClO	000106-48-9	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082318\
Data File : VV007158.D
Acq On : 23 Aug 2018 23:02
Operator : SY/MD
Sample : J4622-16
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETBK8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082218WMA.M
Quant Title : VOC Analysis

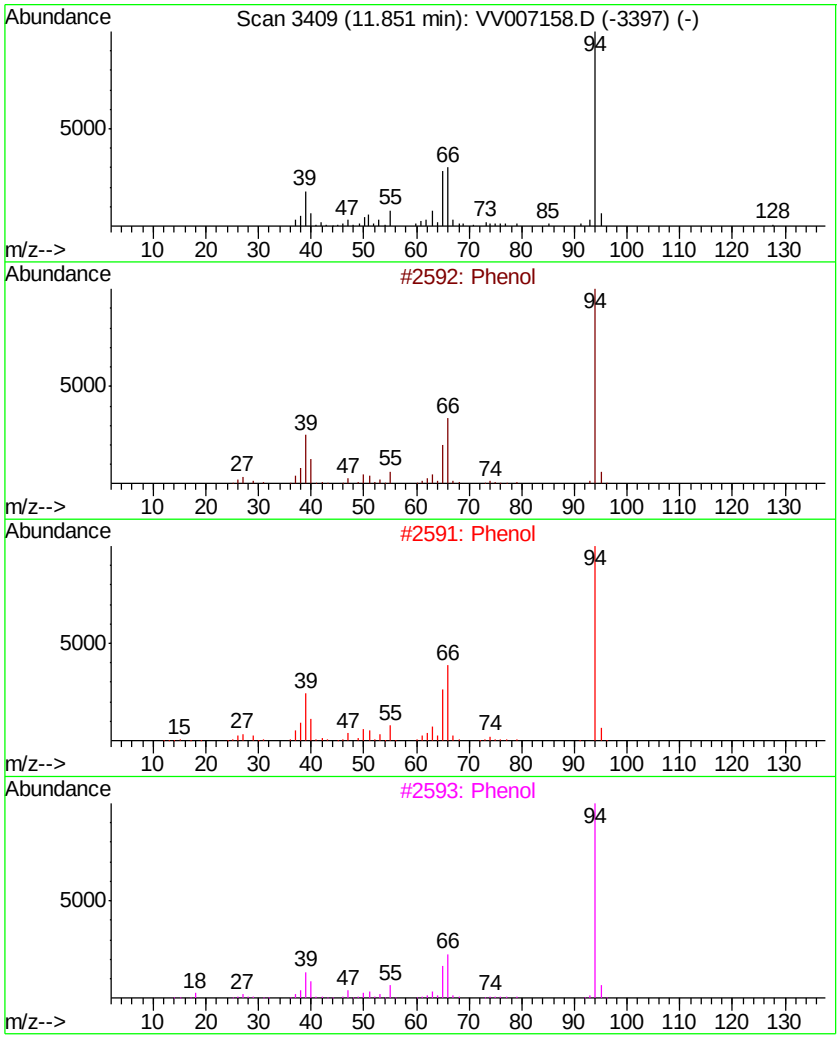
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

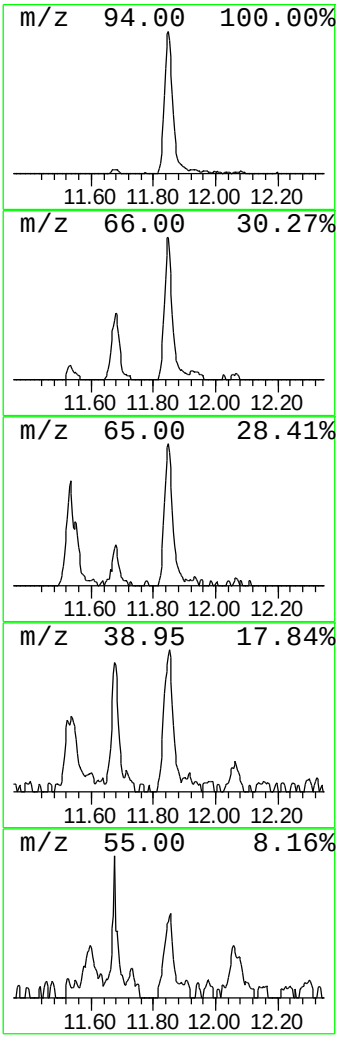
****

Peak Number 9 Phenol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	2.79 ug/L	70013	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol	94	C6H6O	000108-95-2	94
2	Phenol	94	C6H6O	000108-95-2	91
3	Phenol	94	C6H6O	000108-95-2	91
4	3-Methylpyridazine	94	C5H6N2	001632-76-4	78
5	Benzene, ethoxy-	122	C8H10O	000103-73-1	78





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082318\
Data File : VV007158.D
Acq On : 23 Aug 2018 23:02
Operator : SY/MD
Sample : J4622-16
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETBK8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082218WMA.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
Trimethylsilyl fl...	1.43	3.3	ug/L	86979	1	5.67	1307950	50.0
Methanethiol	1.48	3.4	ug/L	87848	1	5.67	1307950	50.0
Methyl propionate	4.57	3.9	ug/L	103100	1	5.67	1307950	50.0
unknown-01	6.39	2.6	ug/L	68857	1	5.67	1307950	50.0
Hexanal	8.29	12.9	ug/L	408539	2	8.90	1584210	50.0
Phenol, 2-chloro-	11.53	4.5	ug/L	111650	3	11.30	1252710	50.0
Phenol	11.85	2.8	ug/L	70013	3	11.30	1252710	50.0