Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012918\

Quantitation Report (Not Reviewed)

Data File : VW001114.D
Acq On : 29 Jan 2018 12:05
Operator : JC/SY
Sample : VSTDICC005
Misc : 5.0G/5.0ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId :

Quant Time: Jan 30 00:46:21 2018
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012918S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 30 00:46:15 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	7.95	168	267472	50.00	ug/l		0.00
34) 1,4-Difluorobenzene	8.85	114	384663	50.00	ug/l		0.00
63) Chlorobenzene-d5	11.64	117	349405	50.00	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	187718	50.00	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.31	65	14070	5.41	ug/l		0.00
Spiked Amount 50.000			Recovery = 10.82%				
35) Dibromofluoromethane	7.88	113	12739	5.18	ug/l		0.00
Spiked Amount 50.000			Recovery = 10.36%				
50) Toluene-d8	10.33	98	47547	5.02	ug/l		0.00
Spiked Amount 50.000			Recovery = 10.04%				
62) 4-Bromofluorobenzene	12.63	95	17362	4.98	ug/l		0.00
Spiked Amount 50.000			Recovery = 9.96%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.00	85	13857	6.11	ug/l		97
3) Chloromethane	2.21	50	11503	5.81	ug/l		97
4) Vinyl Chloride	2.36	62	11880	6.03	ug/l		98
5) Bromomethane	2.76	94	9586	2.76	ug/l		91
6) Chloroethane	2.92	64	6915	6.18	ug/l		91
7) Trichlorofluoromethane	3.26	101	22186	6.06	ug/l		96
8) Diethyl Ether	3.68	74	5764	6.05	ug/l		97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	12322	5.06	ug/l		99
10) Methyl Iodide	4.26	142	13127	5.10	ug/l		99
11) Tert butyl alcohol	5.20	59	4979	23.74	ug/l	#	84
12) 1,1-Dichloroethene	4.03	96	11762	5.53	ug/l		95
13) Acrolein	3.90	56	8867	26.43	ug/l		96
14) Allyl chloride	4.67	41	17855	5.61	ug/l		99
15) Acrylonitrile	5.38	53	18586	28.72	ug/l		98
16) Acetone	4.14	43	18205	26.63	ug/l		90
17) Carbon Disulfide	4.37	76	36533	5.53	ug/l		100
18) Methyl Acetate	4.68	43	11940	7.15	ug/l		100
19) Methyl tert-butyl Ether	5.43	73	27656	5.02	ug/l		98
20) Methylene Chloride	4.90	84	17411	5.51	ug/l		98
21) trans-1,2-Dichloroethene	5.42	96	13287	5.59	ug/l		90
22) Diisopropyl ether	6.31	45	30202	4.96	ug/l		92
23) Vinyl Acetate	6.26	43	88361	24.20	ug/l		99
24) 1,1-Dichloroethane	6.21	63	22136	5.57	ug/l		95
25) 2-Butanone	7.18	43	24715	27.54	ug/l		97
26) 2,2-Dichloropropane	7.17	77	22948	5.83	ug/l		97
27) cis-1,2-Dichloroethene	7.17	96	13609	5.37	ug/l		96
28) Bromochloromethane	7.52	49	8647	5.35	ug/l		98
29) Tetrahydrofuran	7.54	42	14035	27.38	ug/l		97
30) Chloroform	7.67	83	23564	5.47	ug/l		97
31) Cyclohexane	7.95	56	24008	6.22	ug/l	#	73
32) 1,1,1-Trichloroethane	7.87	97	22108	5.42	ug/l		97
36) 1,1-Dichloropropene	8.09	75	18581	5.35	ug/l		99
37) Ethyl Acetate	7.26	43	11233	6.12	ug/l		100
38) Carbon Tetrachloride	8.07	117	20902	5.39	ug/l		100

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012918\

Quantitation Report (Not Reviewed)

Data File : VW001114.D
Acq On : 29 Jan 2018 12:05
Operator : JC/SY
Sample : VSTDICC005
Misc : 5.0G/5.0ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId :

Quant Time: Jan 30 00:46:21 2018
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012918S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 30 00:46:15 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) Methylcyclohexane	9.34	83	21257	5.18	ug/l		93
40) Benzene	8.33	78	52342	5.44	ug/l		99
41) Methacrylonitrile	7.49	41	5401	5.30	ug/l		95
42) 1,2-Dichloroethane	8.40	62	16151	5.34	ug/l		100
43) Isopropyl Acetate	8.43	43	15558	4.93	ug/l		96
44) Trichloroethene	9.09	130	16315	5.65	ug/l		93
45) 1,2-Dichloropropane	9.37	63	11983	5.18	ug/l		96
46) Dibromomethane	9.46	93	7738	5.34	ug/l		97
47) Bromodichloromethane	9.65	83	16878	5.15	ug/l		96
48) Methyl methacrylate	9.44	41	7178	4.75	ug/l		95
49) 1,4-Dioxane	9.46	88	2466	95.58	ug/l	#	72
51) 4-Methyl-2-Pentanone	10.22	43	41407	23.99	ug/l		99
52) Toluene	10.40	92	31815	5.15	ug/l		99
53) t-1,3-Dichloropropene	10.61	75	15939	4.82	ug/l		100
54) cis-1,3-Dichloropropene	10.08	75	18385	4.98	ug/l		98
55) 1,1,2-Trichloroethane	10.79	97	10900	5.28	ug/l		95
56) Ethyl methacrylate	10.65	69	10736	4.44	ug/l		97
57) 1,3-Dichloropropane	10.94	76	17467	5.21	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.93	63	17980	33.54	ug/l		98
59) 2-Hexanone	10.98	43	29206	22.37	ug/l		97
60) Dibromochloromethane	11.13	129	12582	5.00	ug/l		98
61) 1,2-Dibromoethane	11.24	107	10922	5.25	ug/l		99
64) Tetrachloroethene	10.87	164	16648	5.93	ug/l		95
65) Chlorobenzene	11.67	112	38327	5.44	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.74	131	13529	5.26	ug/l		97
67) Ethyl Benzene	11.74	91	61220	5.20	ug/l		99
68) m/p-Xylenes	11.85	106	46080	10.05	ug/l		99
69) o-Xylene	12.18	106	20633	4.88	ug/l		98
70) Styrene	12.19	104	32829	4.73	ug/l		98
71) Bromoform	12.36	173	8451	5.08	ug/l	#	97
73) Isopropylbenzene	12.48	105	58533	4.98	ug/l		99
74) N-amyl acetate	12.29	43	12138	4.52	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.73	83	12972	5.39	ug/l		97
76) 1,2,3-Trichloropropane	12.78	75	17367	7.59	ug/l	#	100
77) Bromobenzene	12.76	156	16577	5.43	ug/l		99
78) n-propylbenzene	12.82	91	70906	5.04	ug/l		98
79) 2-Chlorotoluene	12.91	91	41371	5.14	ug/l		98
80) 1,3,5-Trimethylbenzene	12.96	105	49183	4.89	ug/l		99
81) trans-1,4-Dichloro-2-buten	12.52	75	3691	5.10	ug/l		99
82) 4-Chlorotoluene	13.01	91	44870	5.22	ug/l		98
83) tert-Butylbenzene	13.22	119	43108	4.85	ug/l		98
84) 1,2,4-Trimethylbenzene	13.27	105	49271	4.82	ug/l		99
85) sec-Butylbenzene	13.40	105	63600	5.06	ug/l		99
86) p-Isopropyltoluene	13.52	119	54389	4.87	ug/l		99
87) 1,3-Dichlorobenzene	13.52	146	32655	5.42	ug/l		99
88) 1,4-Dichlorobenzene	13.60	146	34233	5.65	ug/l		94
89) n-Butylbenzene	13.84	91	51814	4.98	ug/l		98
90) Hexachloroethane	14.12	117	10707	5.14	ug/l		99
91) 1,2-Dichlorobenzene	13.89	146	29964	5.43	ug/l		99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2609	5.38	ug/l		92

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012918\

Quantitation Report (Not Reviewed)

Data File : VW001114.D
Acq On : 29 Jan 2018 12:05
Operator : JC/SY
Sample : VSTDICC005
Misc : 5.0G/5.0ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId :

Quant Time: Jan 30 00:46:21 2018
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012918S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 30 00:46:15 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	20352	5.01	ug/l	99
94) Hexachlorobutadiene	15.26	225	13377	5.33	ug/l	99
95) Naphthalene	15.40	128	36223	4.52	ug/l	98
96) 1,2,3-Trichlorobenzene	15.58	180	19388	5.18	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

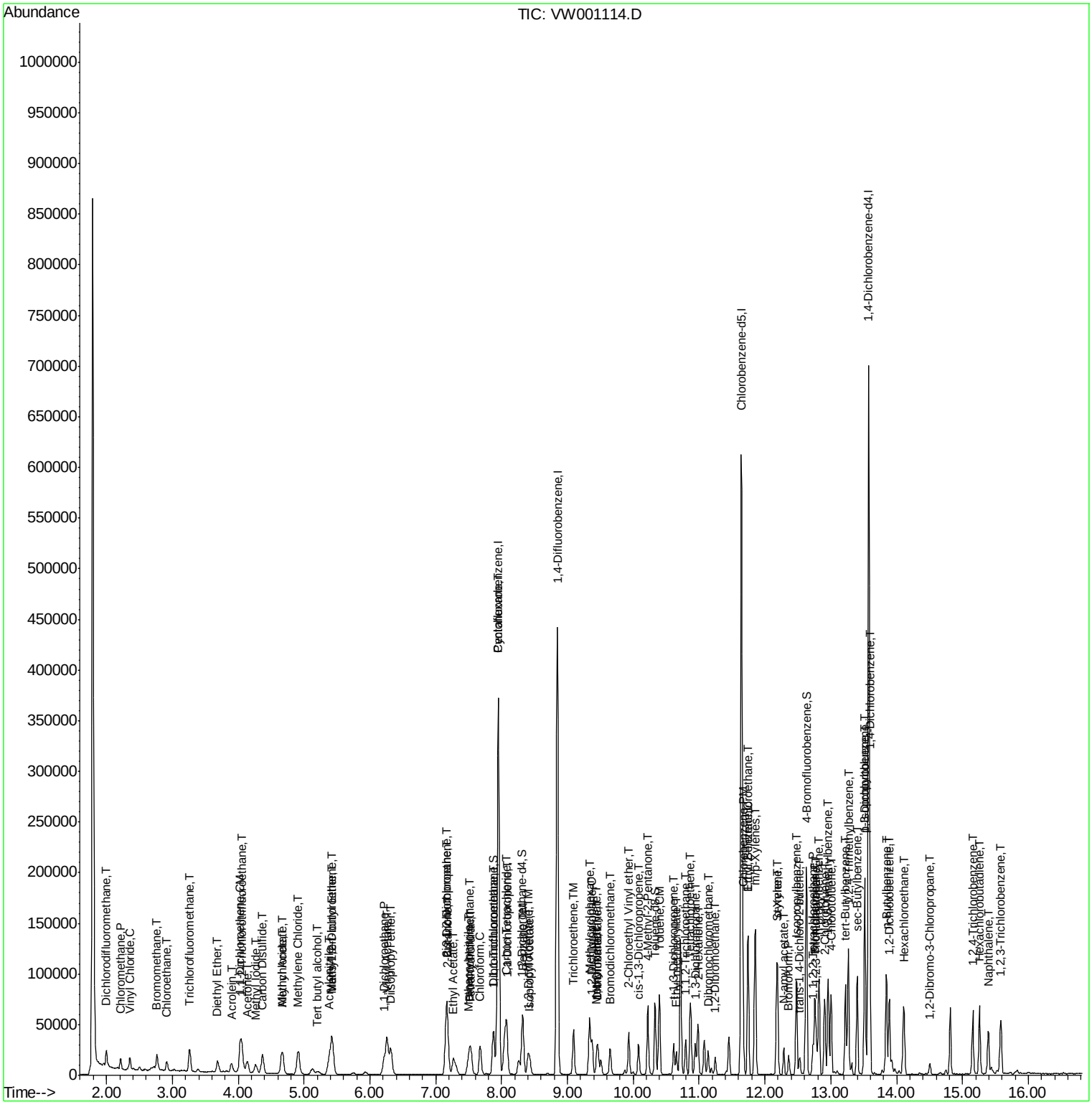
Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012918\

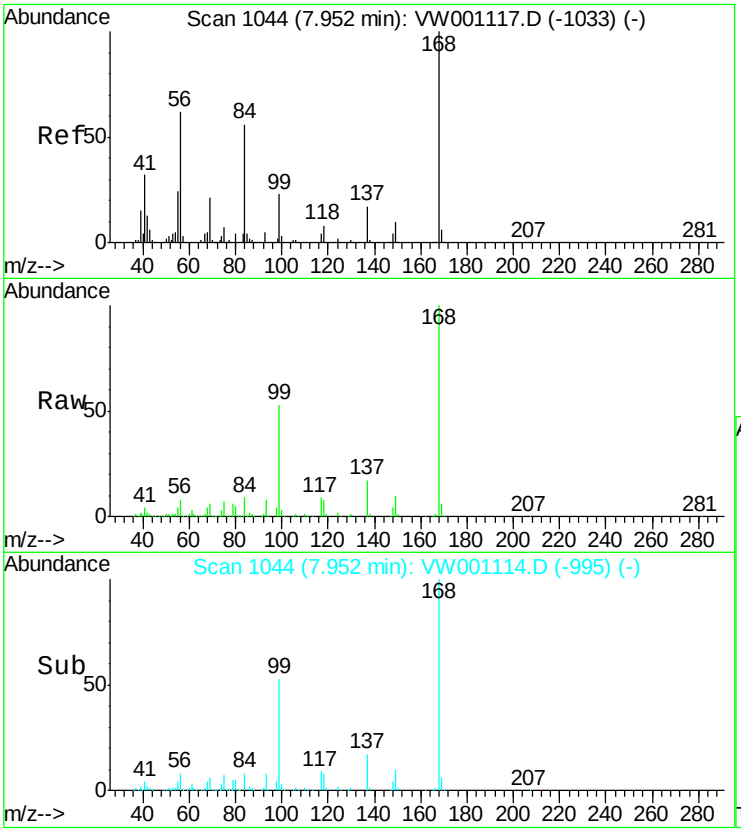
Quantitation Report (Not Reviewed)

Data File : VW001114.D
Acq On : 29 Jan 2018 12:05
Operator : JC/SY
Sample : VSTDICC005
Misc : 5.0G/5.0ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Jan 30 00:46:21 2018
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012918S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 30 00:46:15 2018
Response via : Initial Calibration



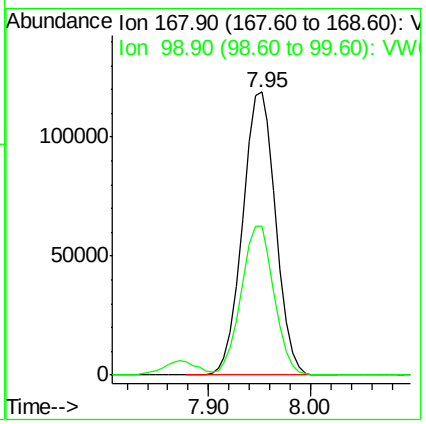


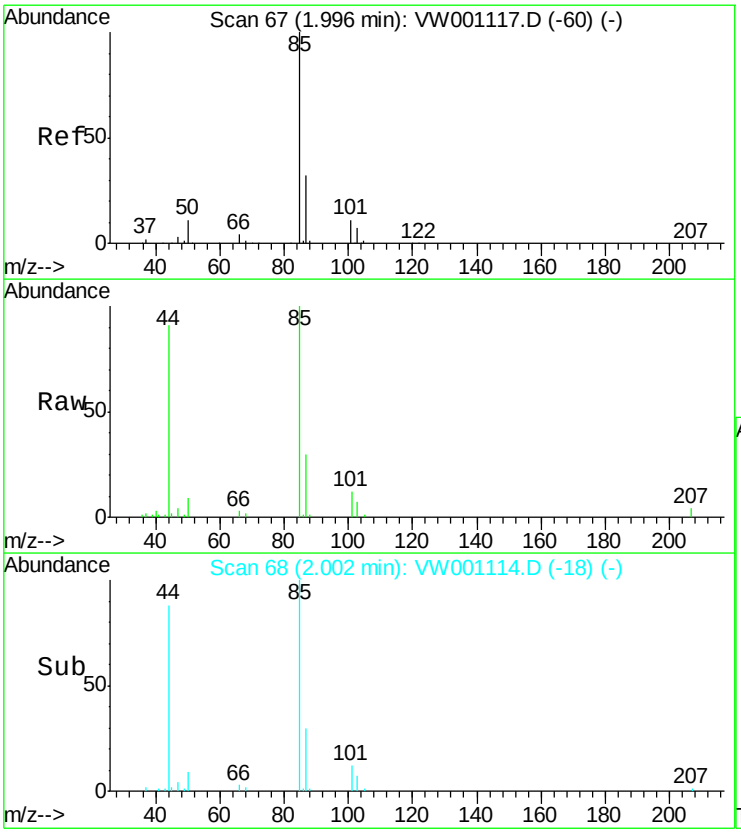
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Instrument : MSVOA_W
ClientSampleId :

Tgt Ion:168 Resp: 267472

Ion	Ratio	Lower	Upper
168	100		
99	52.7	42.4	63.6

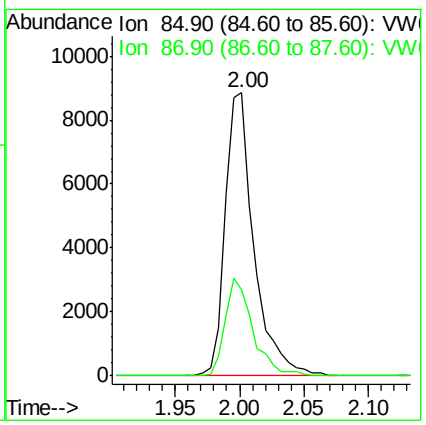


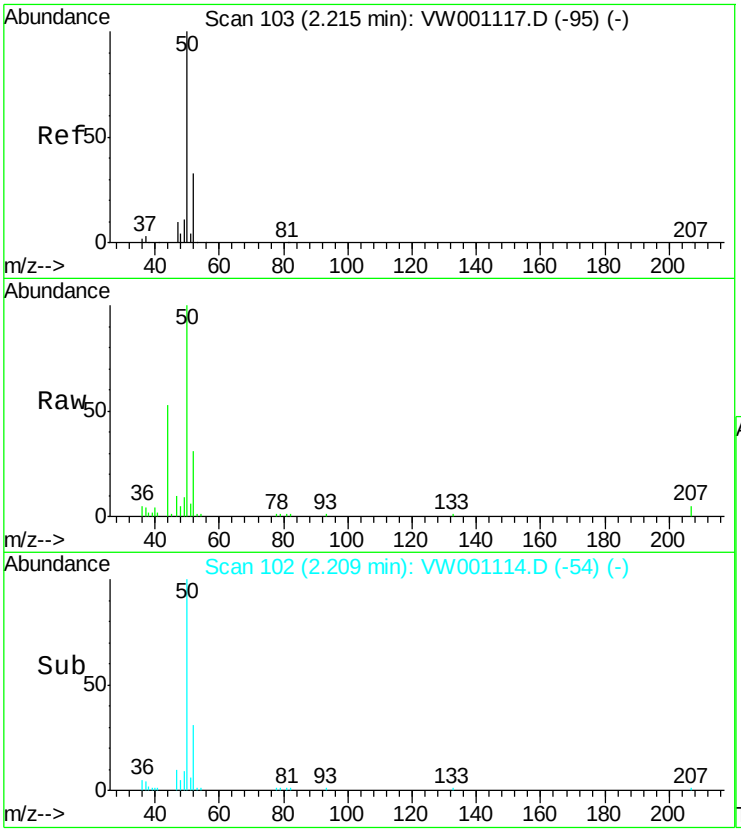


#2
Dichlorodifluoromethane
Concen: 6.11 ug/l
RT: 2.00 min Scan# 68
Delta R.T. 0.01 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Tgt Ion: 85 Resp: 13857

Ion	Ratio	Lower	Upper
85	100		
87	30.4	16.2	48.5



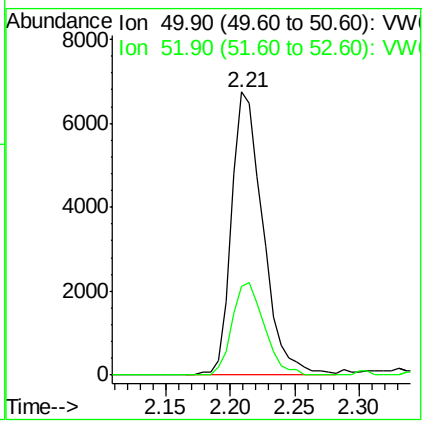


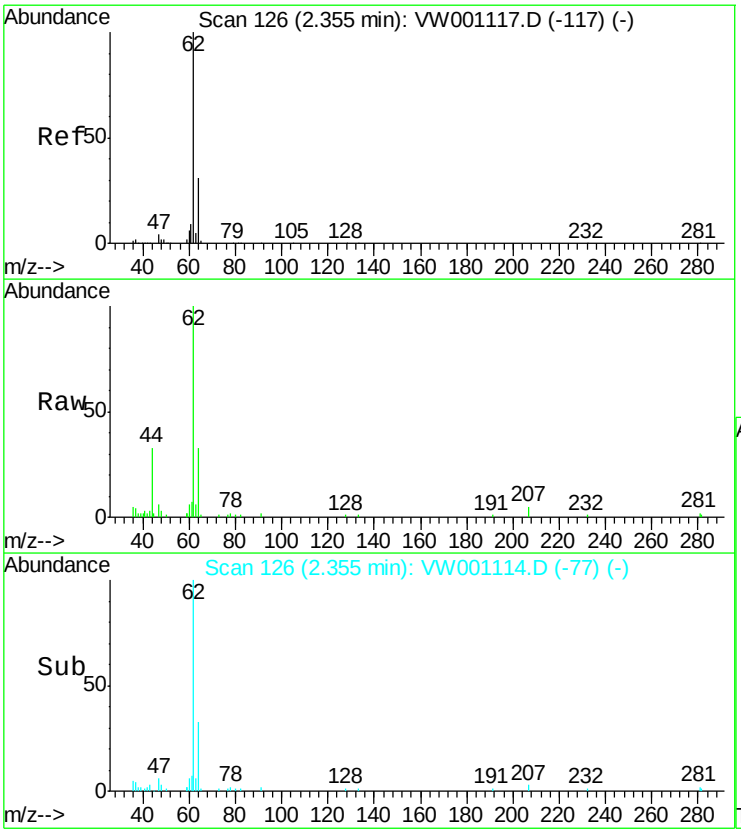
#3
Chloromethane
Concen: 5.81 ug/l
RT: 2.21 min Scan# 102
Delta R.T. -0.01 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 50 Resp: 11503

Ion	Ratio	Lower	Upper
50	100		
52	31.2	26.2	39.4

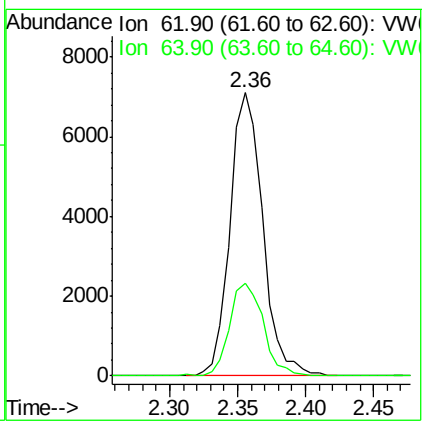


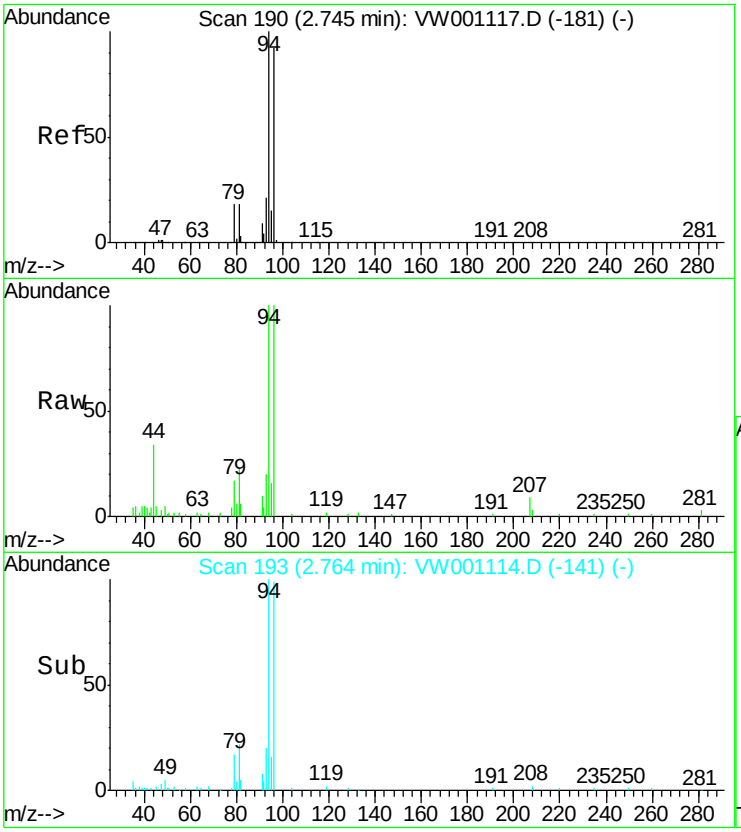


#4
Vinyl Chloride
Concen: 6.03 ug/l
RT: 2.36 min Scan# 126
Delta R.T. -0.00 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Tgt Ion: 62 Resp: 11880

Ion	Ratio	Lower	Upper
62	100		
64	32.6	25.2	37.8



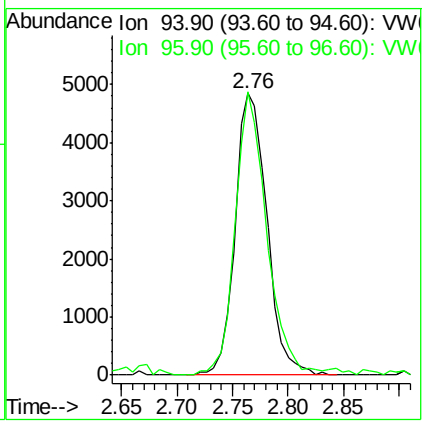


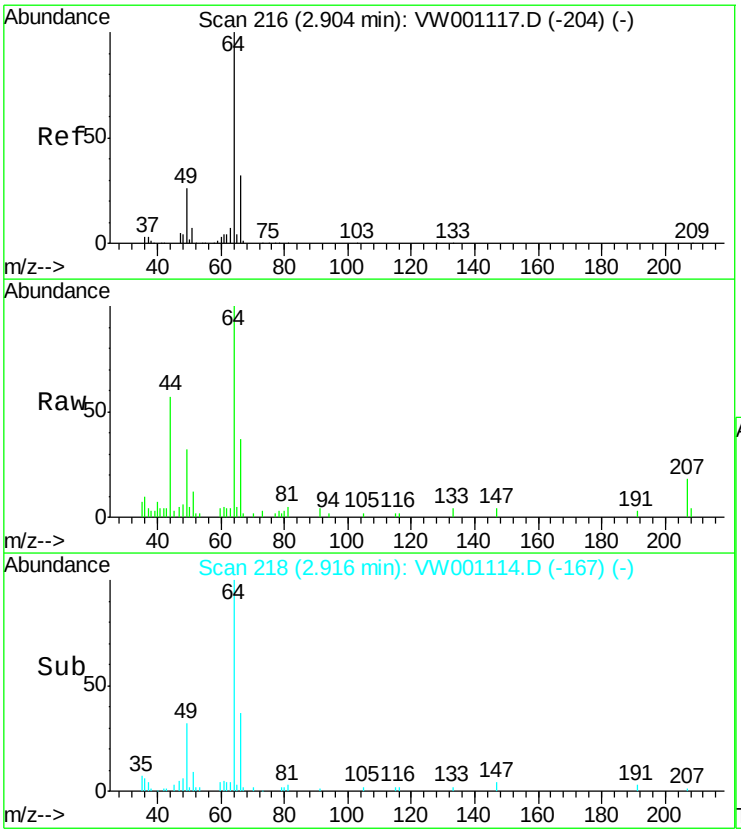
#5
Bromomethane
Concen: 2.76 ug/l
RT: 2.76 min Scan# 193
Delta R.T. 0.02 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 94 Resp: 9586

Ion	Ratio	Lower	Upper
94	100		
96	100.5	73.7	110.5

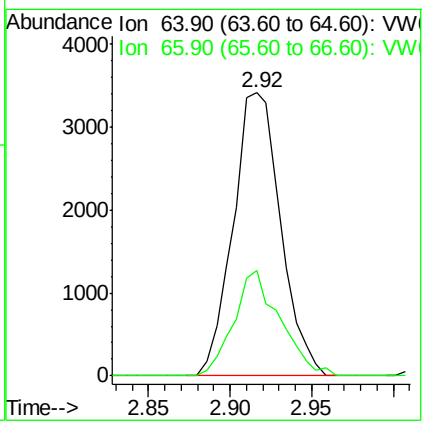


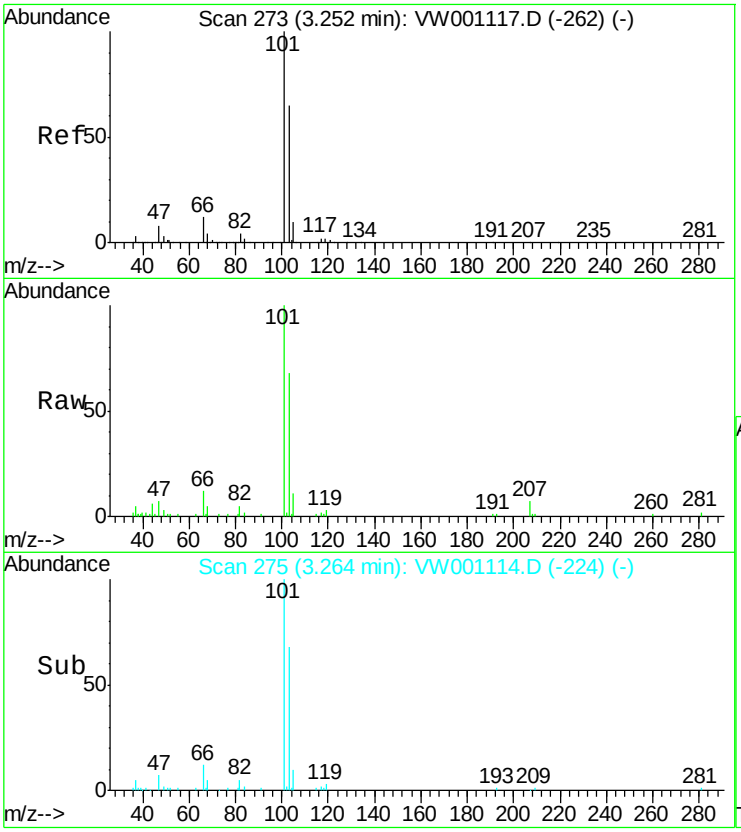


#6
Chloroethane
Concen: 6.18 ug/l
RT: 2.92 min Scan# 218
Delta R.T. 0.01 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Tgt Ion: 64 Resp: 6915

Ion	Ratio	Lower	Upper
64	100		
66	37.5	25.8	38.8



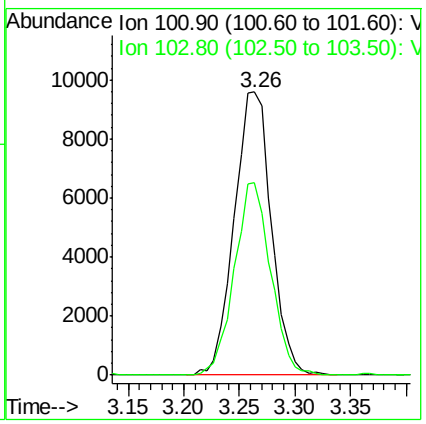


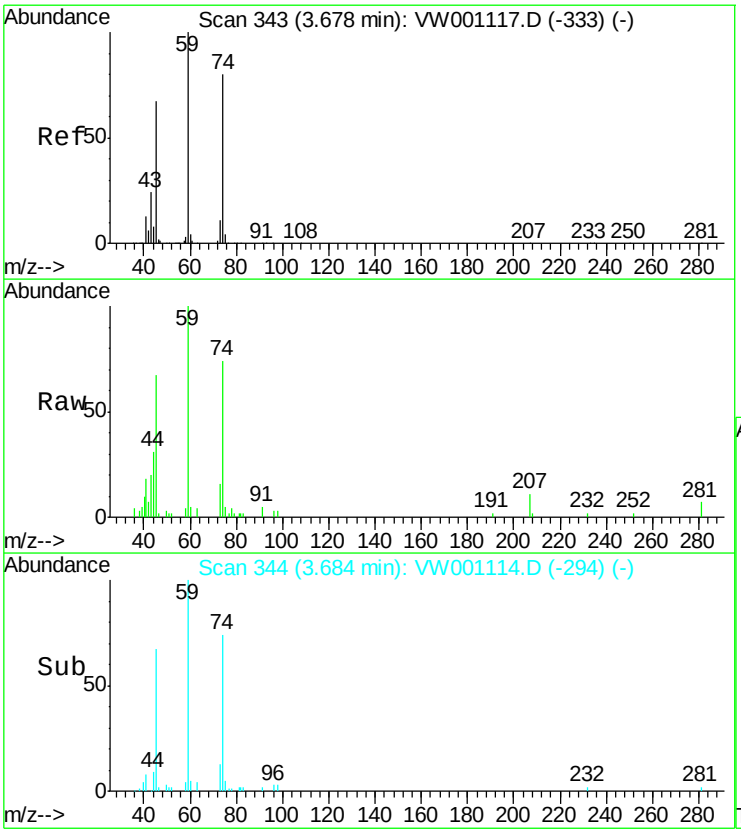
#7
Trichlorofluoromethane
Concen: 6.06 ug/l
RT: 3.26 min Scan# 275
Delta R.T. 0.01 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Instrument : MSVOA_W
ClientSampleId :

Tgt Ion:101 Resp: 22186

Ion	Ratio	Lower	Upper
101	100		
103	68.1	51.9	77.9

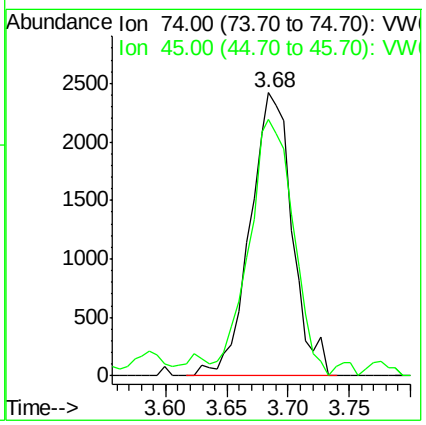


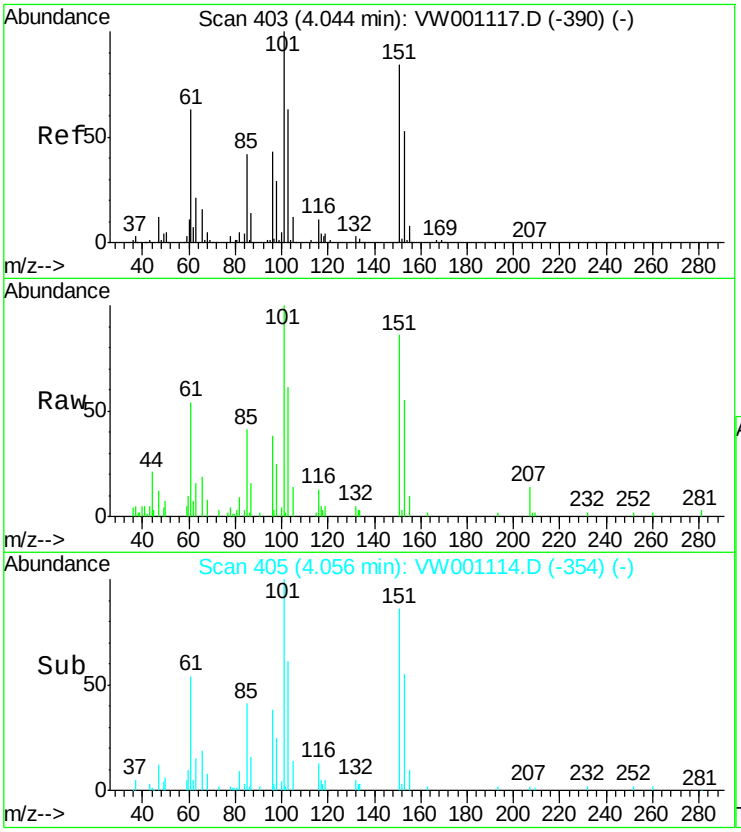


#8
Diethyl Ether
Concen: 6.05 ug/l
RT: 3.68 min Scan# 344
Delta R.T. 0.01 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Tgt Ion: 74 Resp: 5764

Ion	Ratio	Lower	Upper
74	100		
45	96.3	46.7	140.1



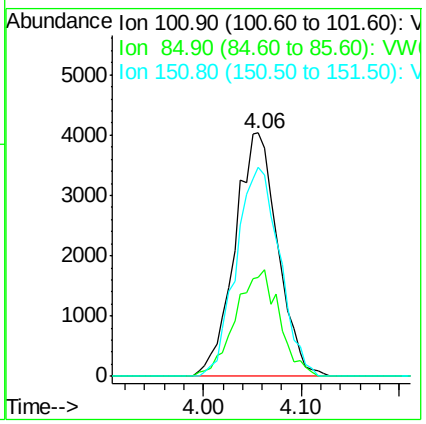


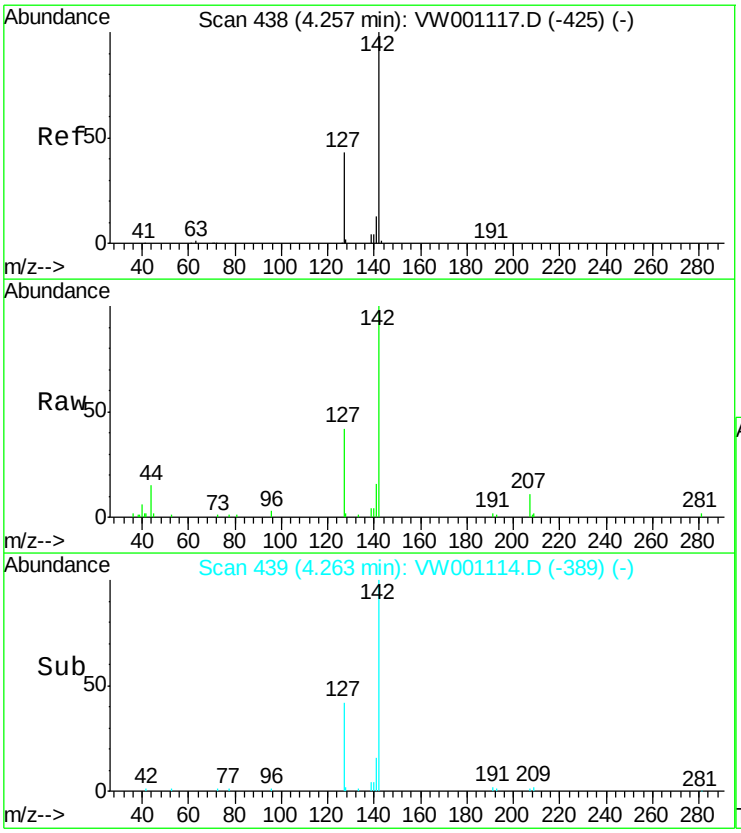
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.06 ug/l
RT: 4.06 min Scan# 405
Delta R.T. 0.01 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:101 Resp: 12322

Ion	Ratio	Lower	Upper
101	100		
85	44.4	34.9	52.3
151	86.9	68.6	103.0





#10
Methyl Iodide
Concen: 5.10 ug/l
RT: 4.26 min Scan# 439
Delta R.T. 0.01 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Tgt Ion:142 Resp: 13127

Ion	Ratio	Lower	Upper
142	100		
127	44.9	35.4	53.2
141	14.4	11.6	17.4