Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX012519\
Data File : VX007223.D
Acq On : 25 Jan 2019 12:20
Operator : JC/SP
Sample : K1221-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 2-AVE-30

Quant Time: Jan 28 10:43:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X012519W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Jan 28 10:35:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	83447	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	439629	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	392633	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.07	65	165614	30.23	ug/l	0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 100.77%			
60) 4-Bromofluorobenzene	11.13	95	169866	28.03	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 93.43%			
63) Toluene-d8	8.71	98	522558	29.53	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 98.43%			
Target Compounds						Qvalue
4) Vinyl Chloride	1.41	62	5994	1.261	ug/l	93
22) cis-1,2-Dichloroethene	4.60	96	88881	17.330	ug/l	88
37) Trichloroethene	7.21	130	16110	3.091	ug/l	99
61) Tetrachloroethene	9.34	164	45873	8.382	ug/l	97

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

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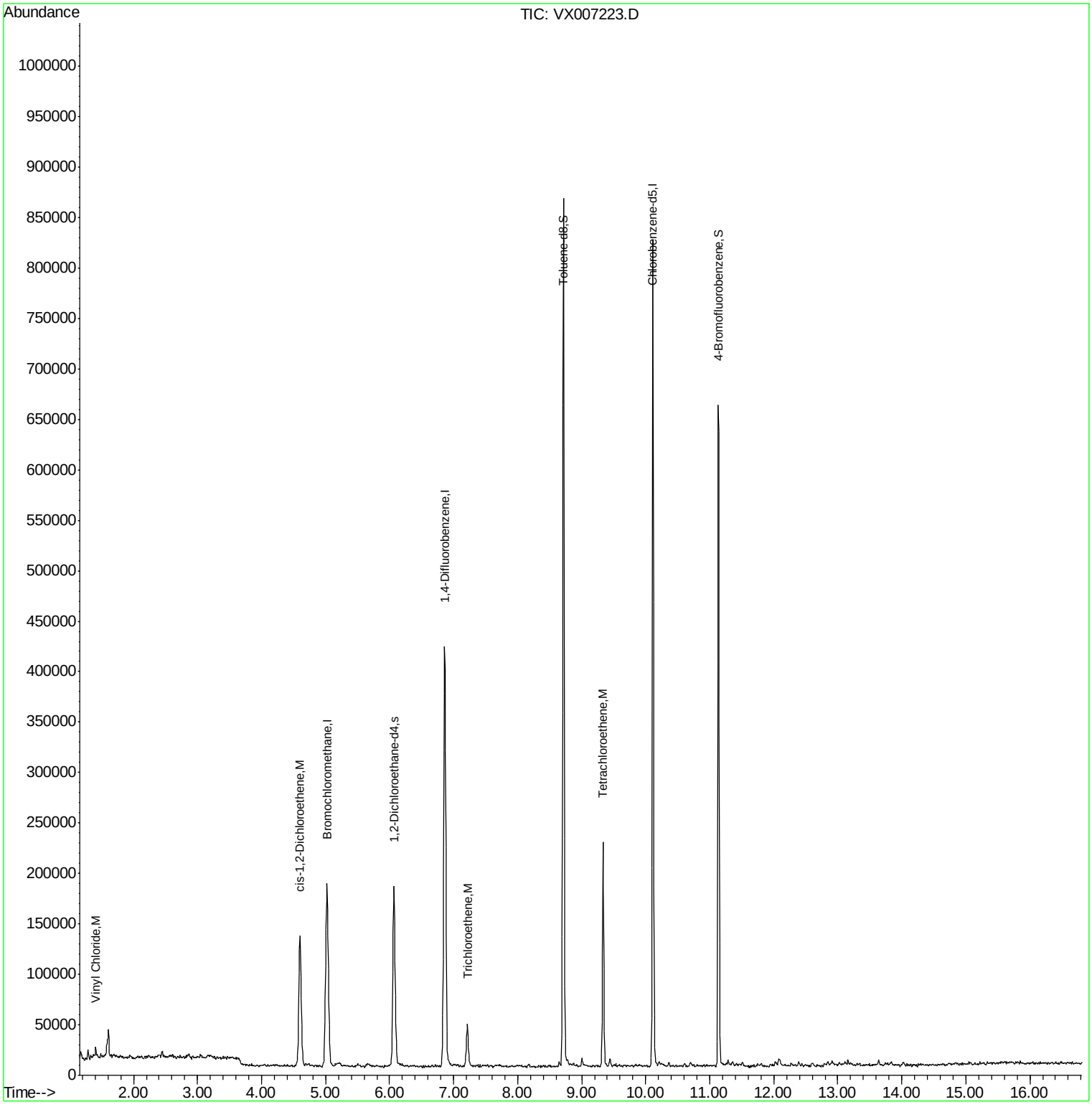
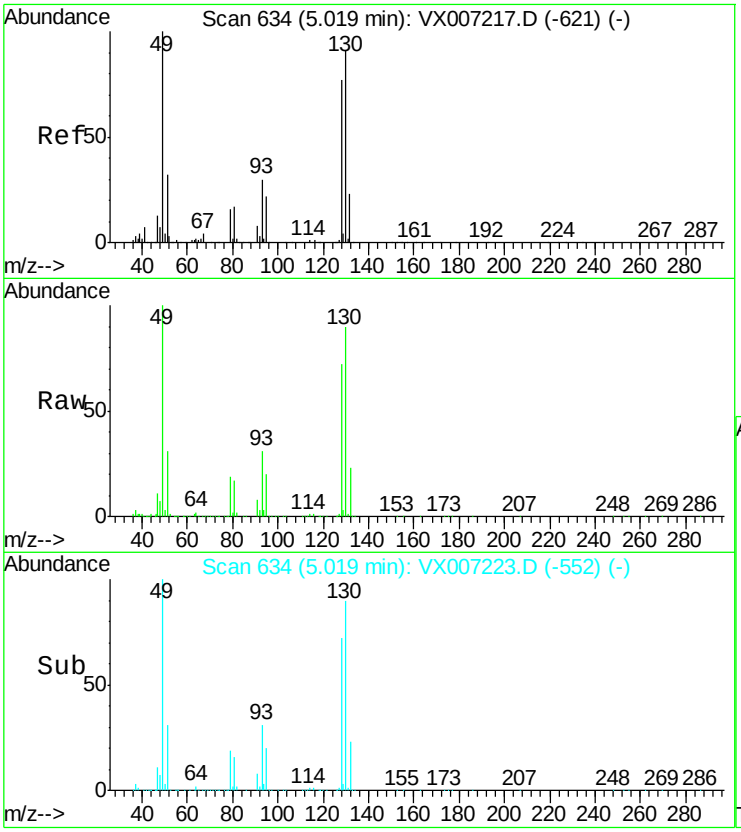


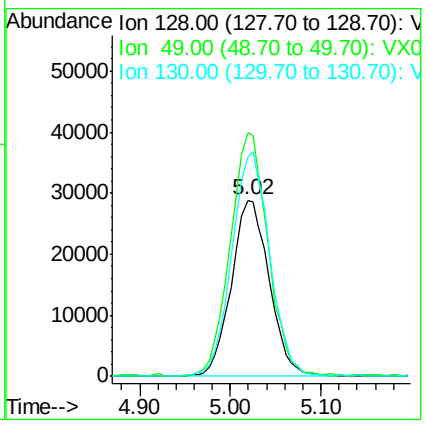


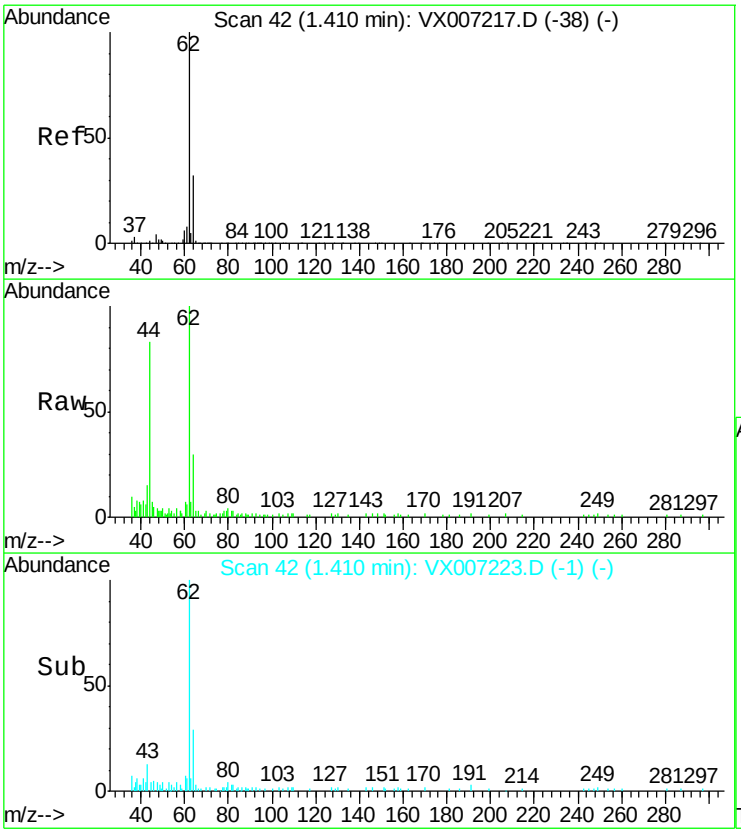
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX007223.D
Acq: 25 Jan 2019 12:20

Instrument :
MSVOA_X
ClientSampleId :
2-AVE-30

Tgt Ion:128 Resp: 83447

Ion	Ratio	Lower	Upper
128	100		
49	137.8	0.0	345.5
130	127.9	0.0	320.0

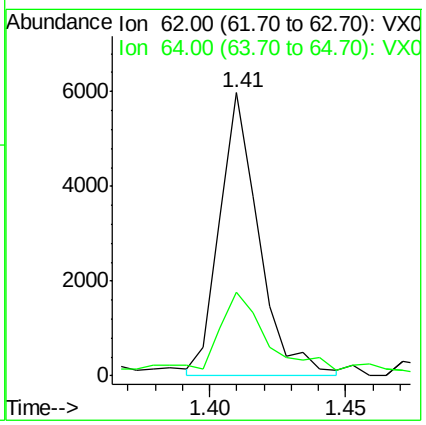


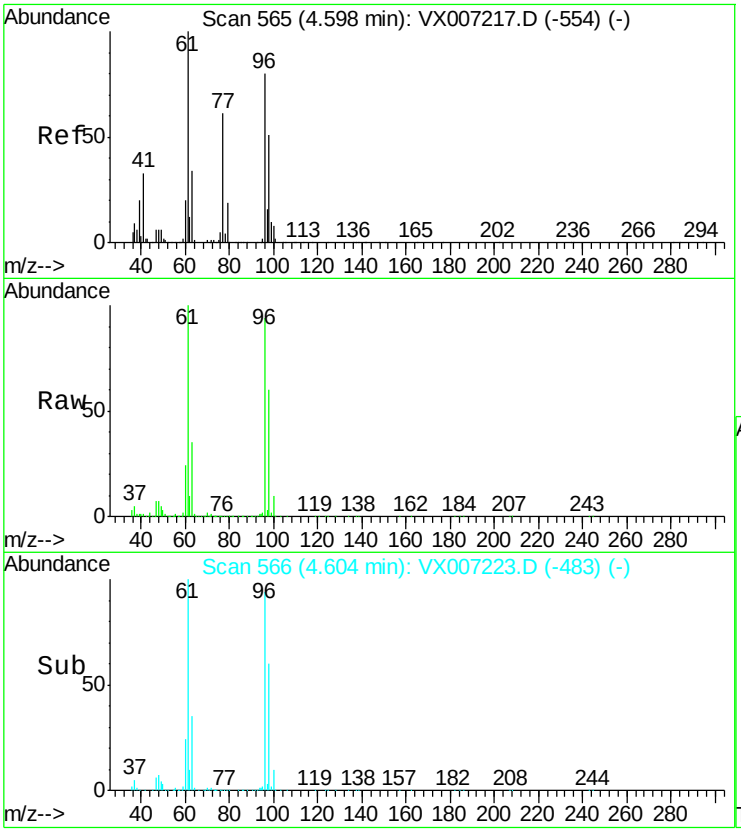


#4
Vinyl Chloride
Concen: 1.261 ug/l
RT: 1.41 min Scan# 42
Delta R.T. -0.00 min
Lab File: VX007223.D
Acq: 25 Jan 2019 12:20

Tgt Ion: 62 Resp: 5994

Ion	Ratio	Lower	Upper
62	100		
64	28.2	25.5	38.3



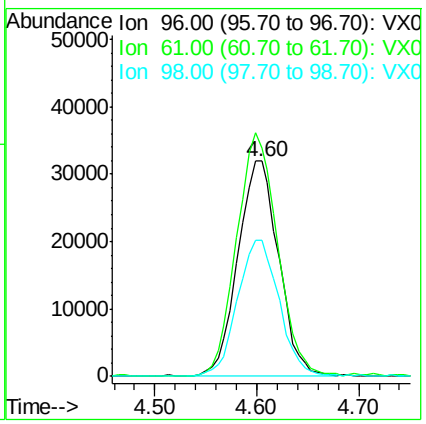


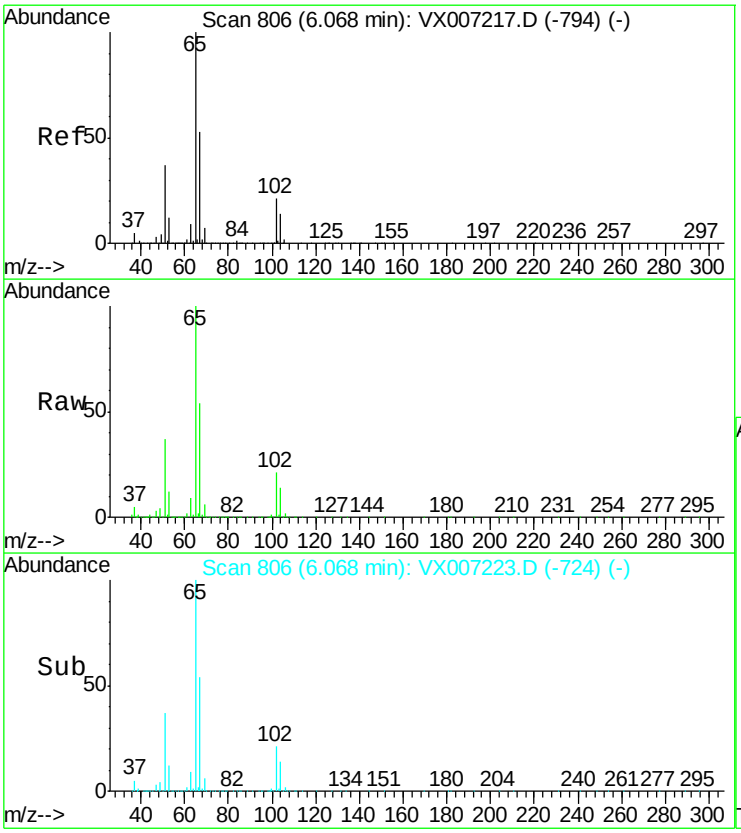
#22
cis-1,2-Dichloroethene
Concen: 17.330 ug/l
RT: 4.60 min Scan# 566
Delta R.T. 0.01 min
Lab File: VX007223.D
Acq: 25 Jan 2019 12:20

Instrument :
MSVOA_X
ClientSampleId :
2-AVE-30

Tgt Ion: 96 Resp: 88881

Ion	Ratio	Lower	Upper
96	100		
61	113.5	108.1	162.1
98	64.5	51.9	77.9

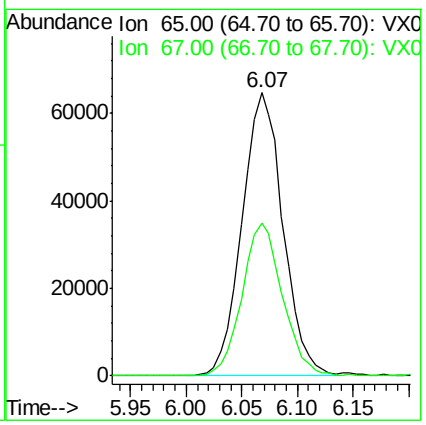


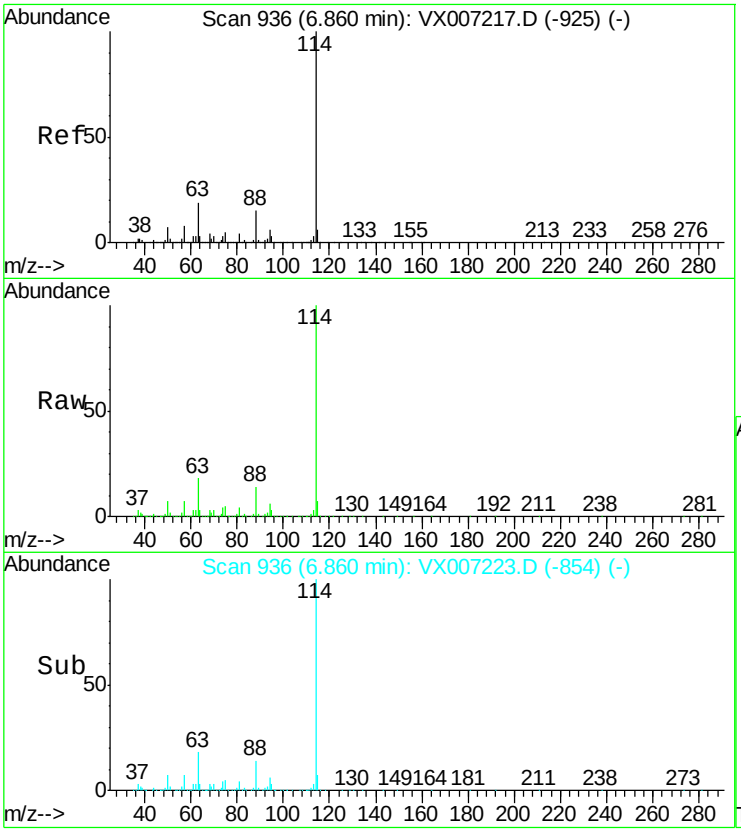


#27
1,2-Dichloroethane-d4
Concen: 30.234 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX007223.D
Acq: 25 Jan 2019 12:20

Tgt Ion: 65 Resp: 165614

Ion	Ratio	Lower	Upper
65	100		
67	53.2	42.0	63.0



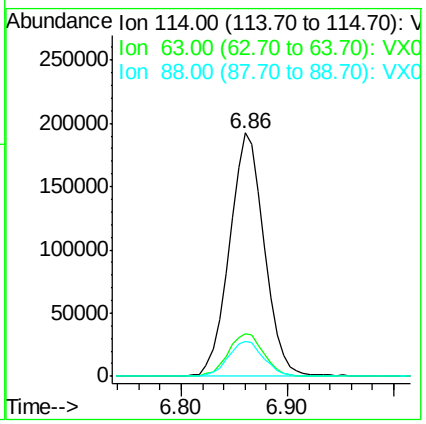


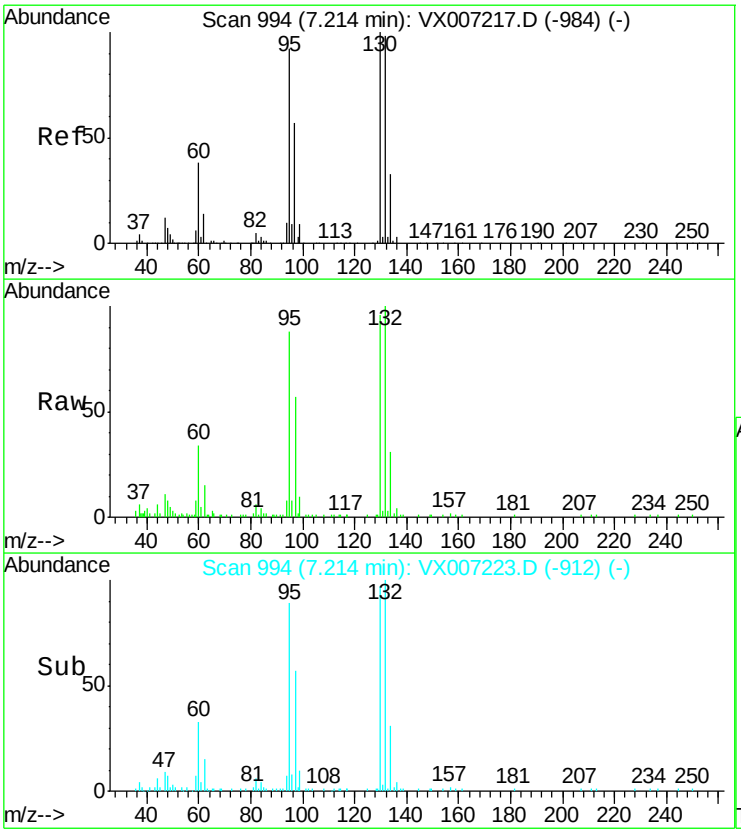
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX007223.D
Acq: 25 Jan 2019 12:20

Instrument :
MSVOA_X
ClientSampleId :
2-AVE-30

Tgt Ion:114 Resp: 439629

Ion	Ratio	Lower	Upper
114	100		
63	18.0	14.6	21.8
88	14.7	11.8	17.6

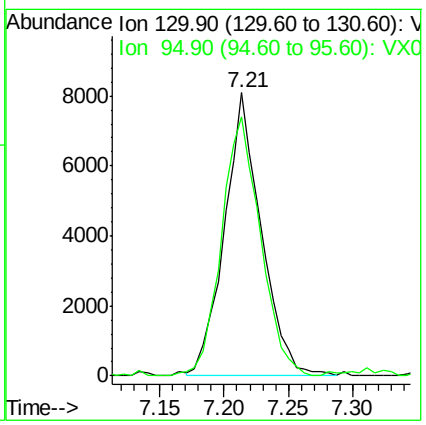


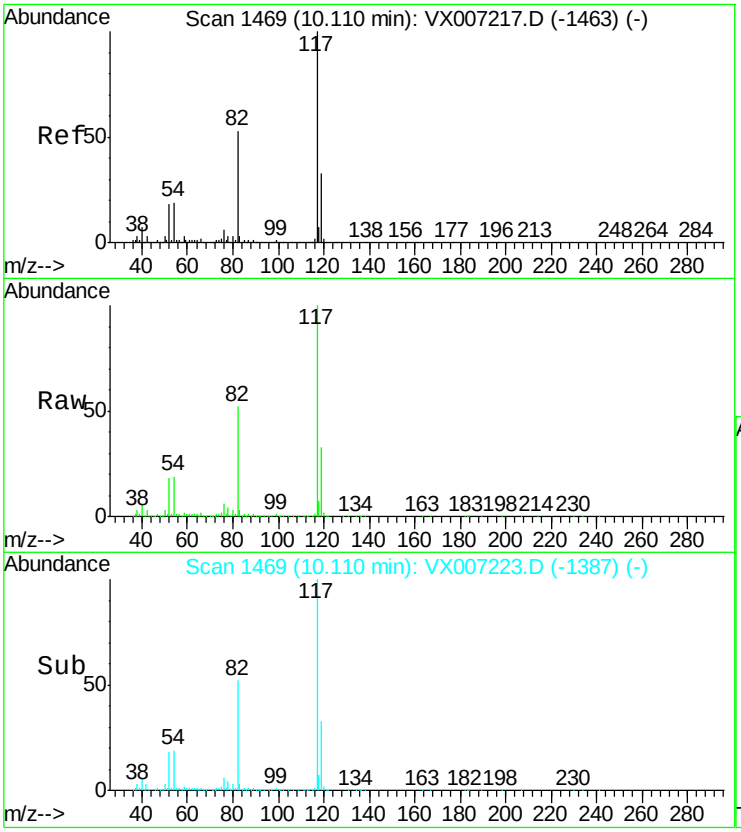


#37
Trichloroethene
Concen: 3.091 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX007223.D
Acq: 25 Jan 2019 12:20

Tgt Ion:130 Resp: 16110

Ion	Ratio	Lower	Upper
130	100		
95	91.2	73.7	110.5



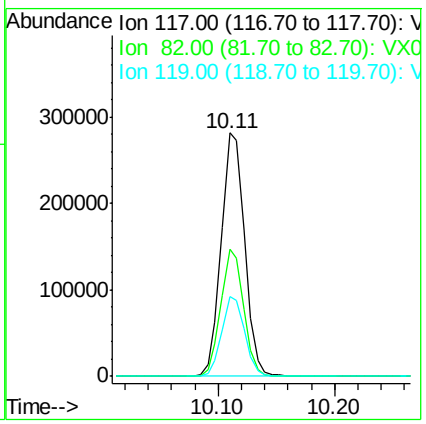


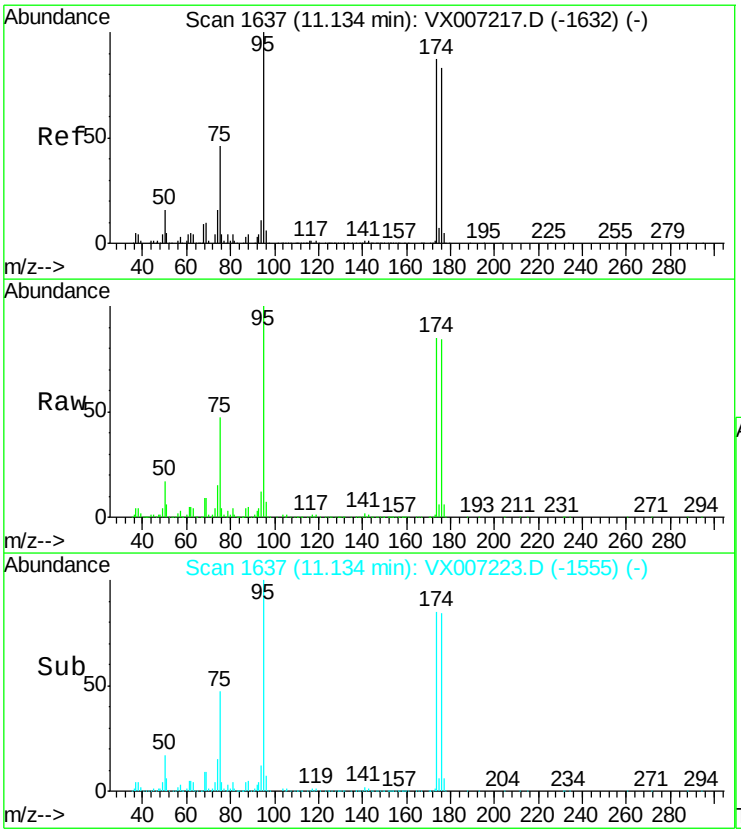
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007223.D
Acq: 25 Jan 2019 12:20

Instrument : MSVOA_X
ClientSampleId : 2-AVE-30

Tgt Ion:117 Resp: 392633

Ion	Ratio	Lower	Upper
117	100		
82	50.6	41.4	62.0
119	32.0	25.7	38.5

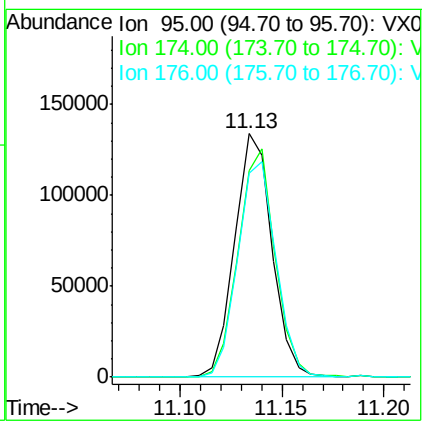


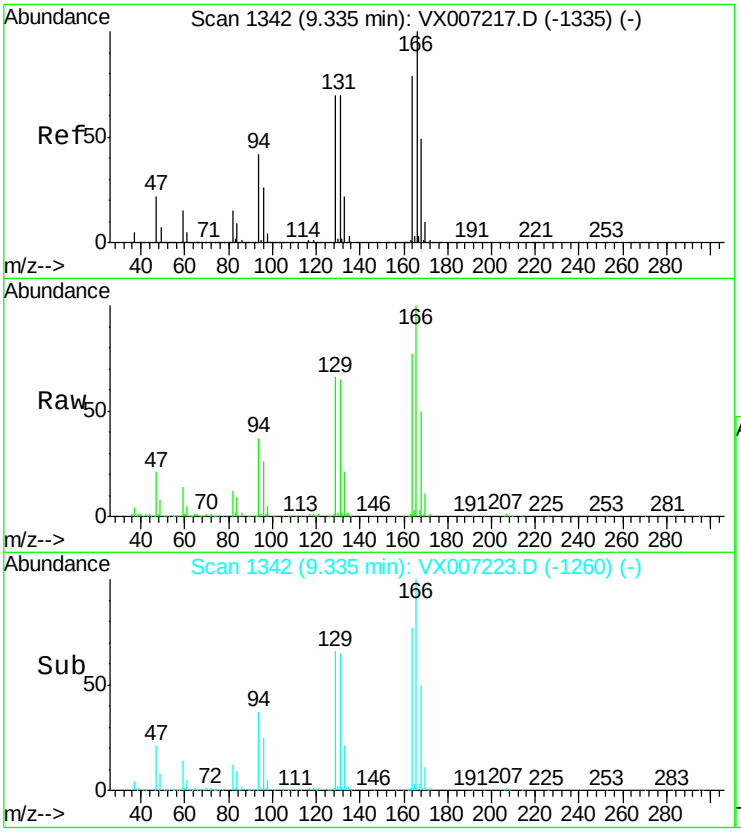


#60
4-Bromofluorobenzene
Concen: 28.031 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007223.D
Acq: 25 Jan 2019 12:20

Tgt Ion: 95 Resp: 169866

Ion	Ratio	Lower	Upper
95	100		
174	93.5	74.8	112.2
176	91.1	72.5	108.7



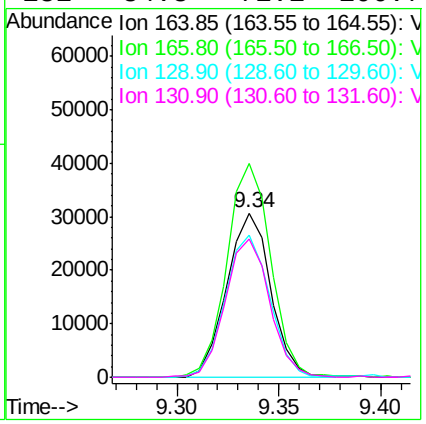


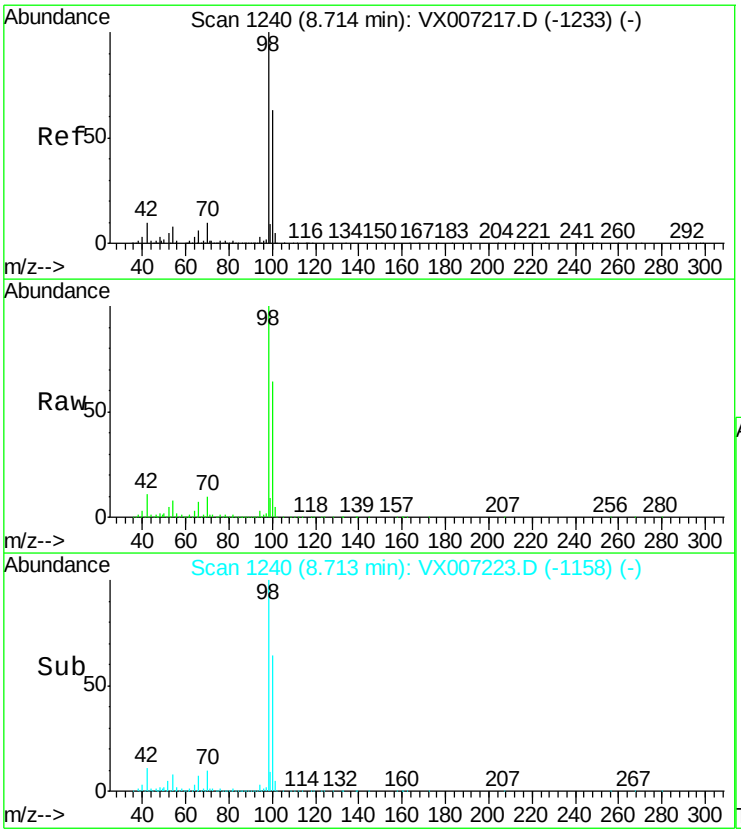
#61
Tetrachloroethene
Concen: 8.382 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007223.D
Acq: 25 Jan 2019 12:20

Instrument : MSVOA_X
ClientSampleId : 2-AVE-30

Tgt Ion:164 Resp: 45873

Ion	Ratio	Lower	Upper
164	100		
166	129.5	101.6	152.4
129	86.0	70.6	106.0
131	84.3	71.1	106.7





#63
Toluene-d8
Concen: 29.527 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007223.D
Acq: 25 Jan 2019 12:20

Tgt Ion: 98 Resp: 522558

Ion	Ratio	Lower	Upper
98	100		
100	64.3	49.9	74.9