

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

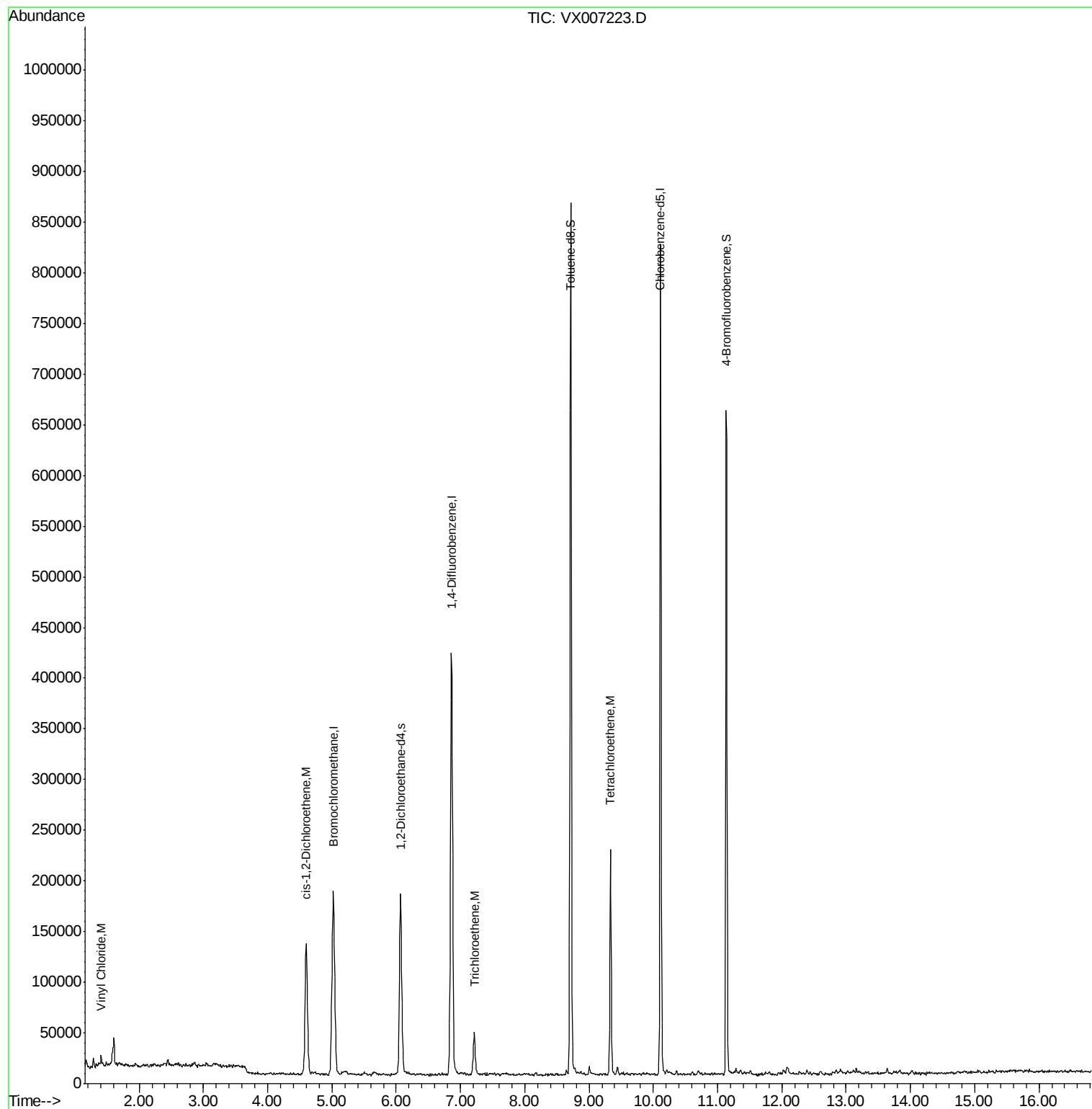
					Ovalue
4) Vinyl Chloride	1.41	62	5994	1.261	ug/l 93
22) cis-1,2-Dichloroethene	4.60	96	88881	17.330	ug/l 88
37) Trichloroethene	7.21	130	16110	3.091	ug/l 99
61) Tetrachloroethene	9.34	164	45873	8.382	ug/l 97

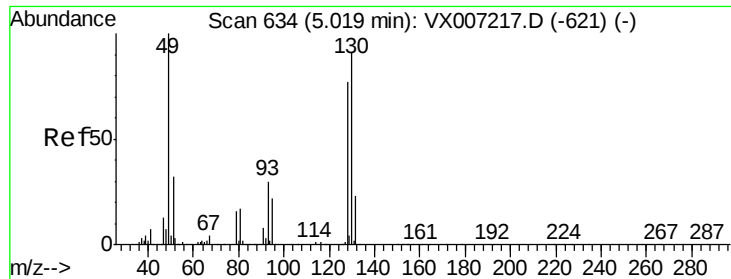
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\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:\V0ASRV\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





#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

ClientSampled :

2-AVE-30

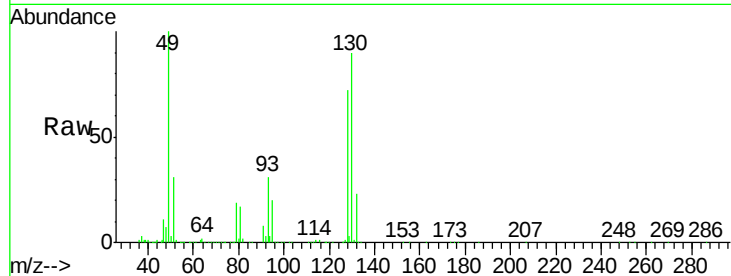
Tot Ion:128 Resp: 83447

Ion Ratio Lower Upper

128 100

49 137.8 0.0 345.5

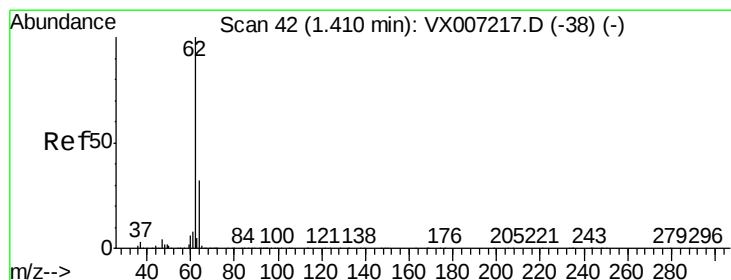
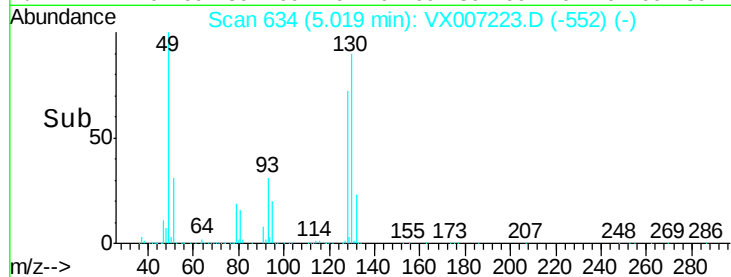
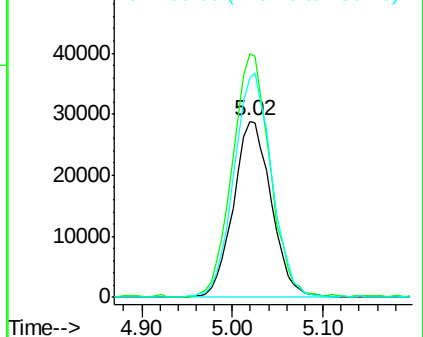
130 127.9 0.0 320.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#4

Vinyl Chloride

Concen: 1.261 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007223.D

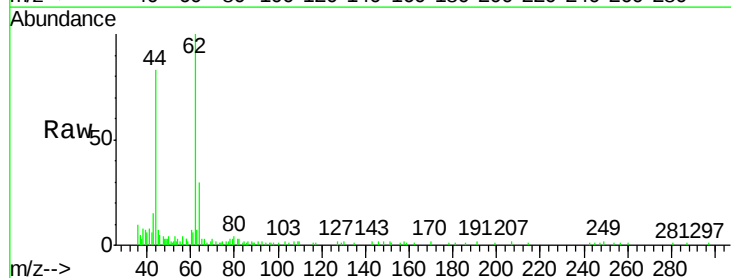
Acq: 25 Jan 2019 12:20

Tgt Ion: 62 Resp: 5994

Ion Ratio Lower Upper

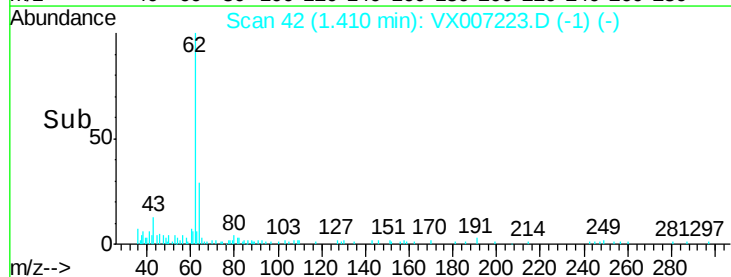
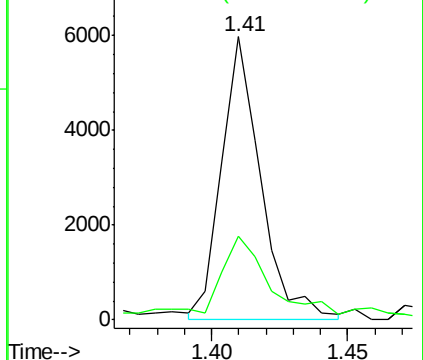
62 100

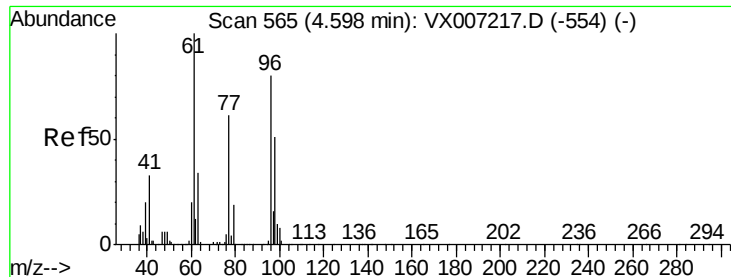
64 28.2 25.5 38.3



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0



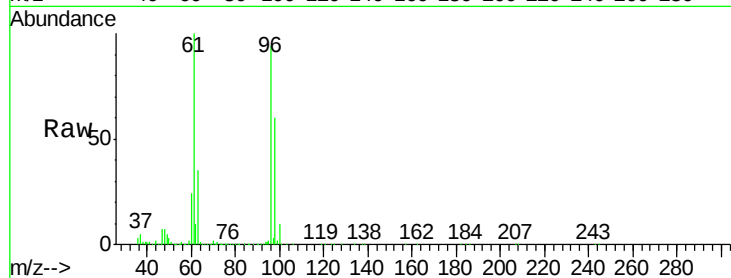


#22

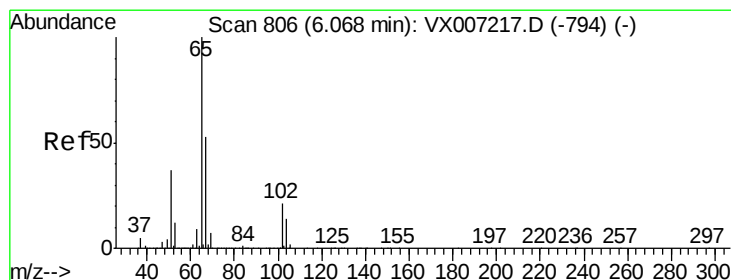
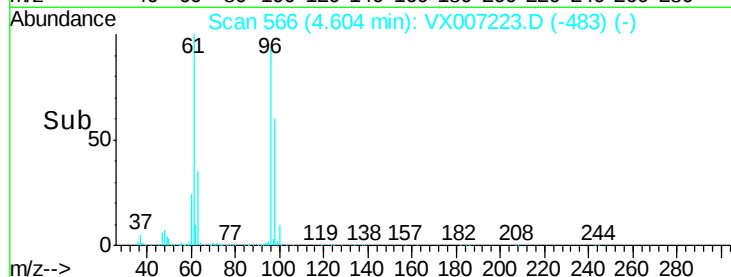
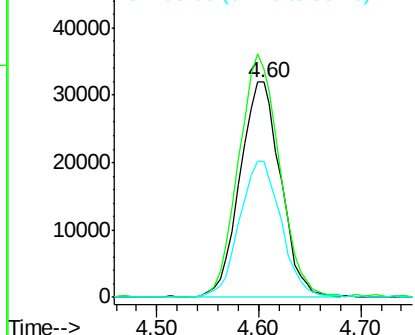
cis-1,2-Dichloroethene
 Concen: 17.330 ug/l
 RT: 4.60 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VX007223.D
 Acq: 25 Jan 2019 12:20

Instrument :
 MSVOA_X
 ClientSampleId :
 2-AVE-30

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



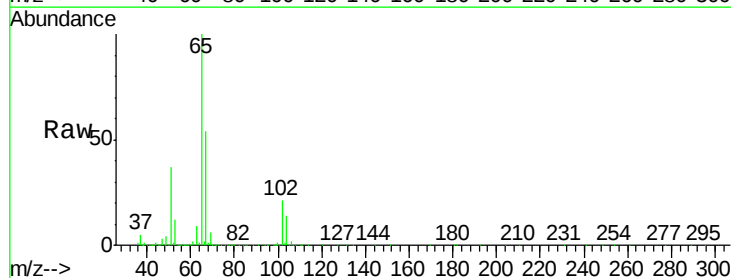
Abundance Ion 96.00 (95.70 to 96.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 98.00 (97.70 to 98.70): VX0



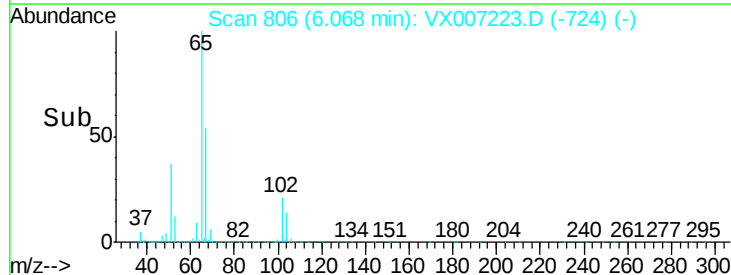
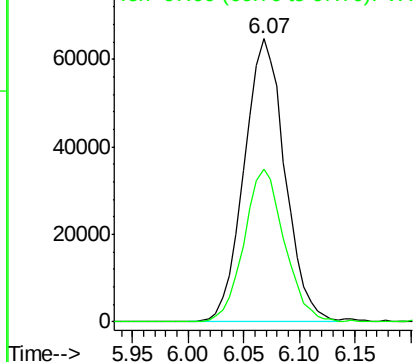
#27

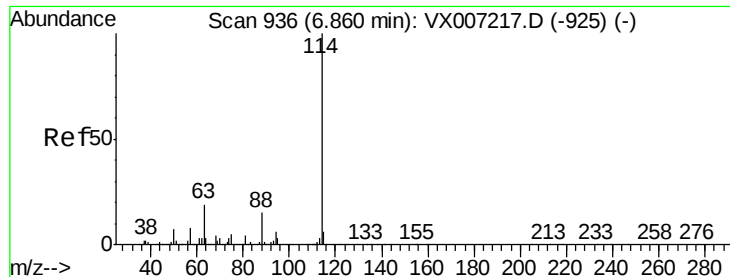
1,2-Dichloroethane-d4
 Concen: 30.234 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007223.D
 Acq: 25 Jan 2019 12:20

Tgt Ion	Ion	Ratio	Lower	Upper
65	65	100		
67	67	53.2	42.0	63.0



Abundance Ion 65.00 (64.70 to 65.70): VX0
 Ion 67.00 (66.70 to 67.70): VX0

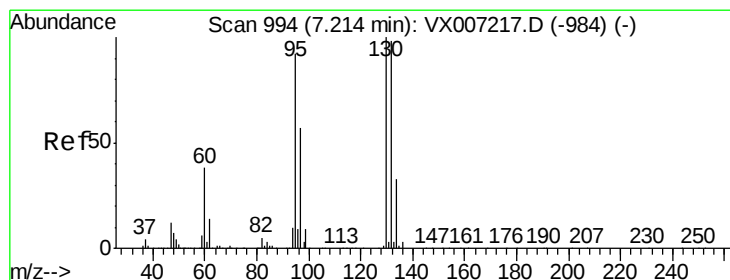
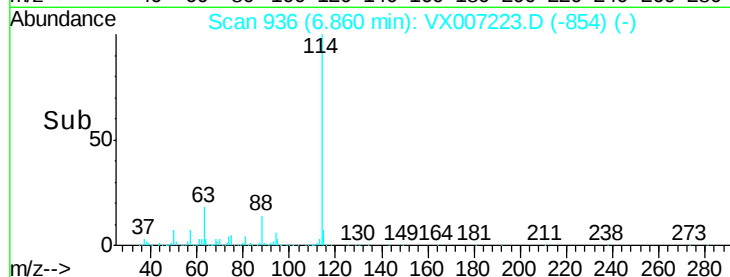
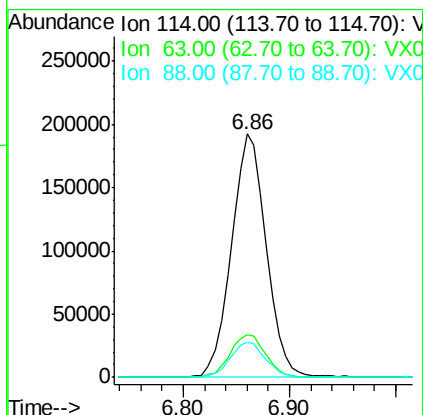
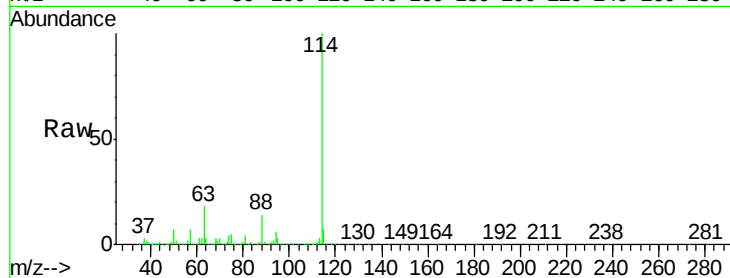




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX007223.D
Acq: 25 Jan 2019 12:20

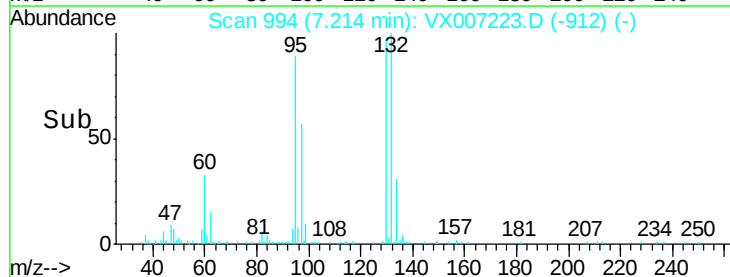
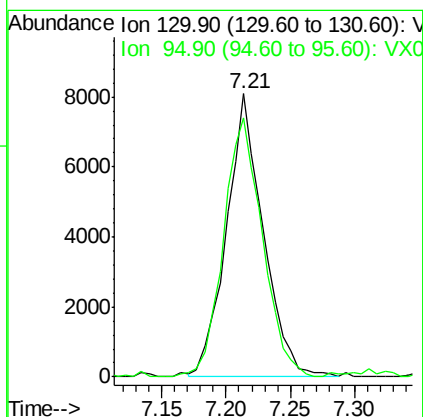
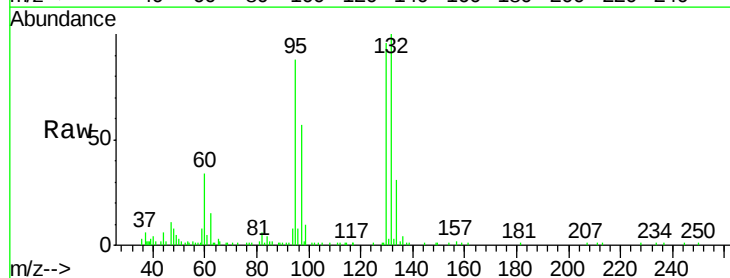
Instrument :
MSVOA_X
ClientSampled :
2-AVE-30

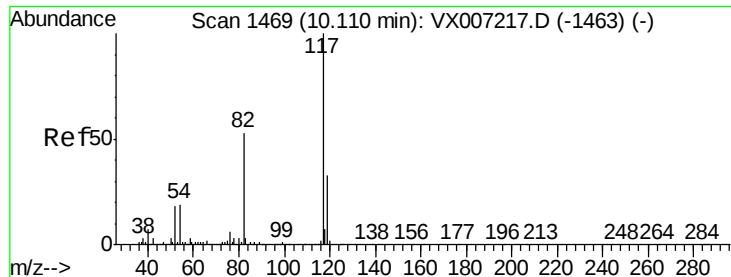
Tot Ion:114 Resp: 439629
Ion Ratio Lower Upper
114 100
63 18.0 14.6 21.8
88 14.7 11.8 17.6



#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

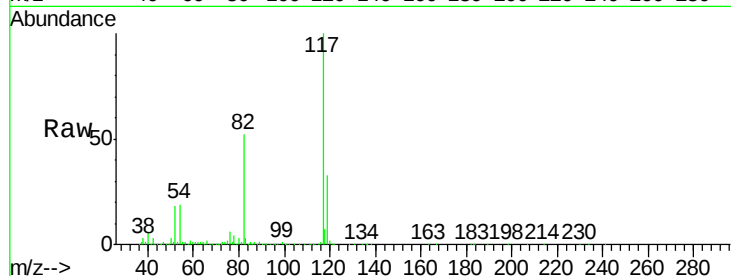




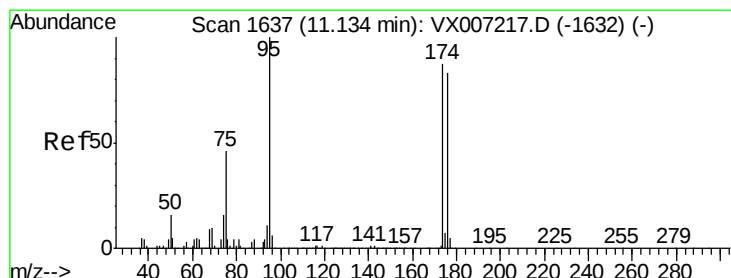
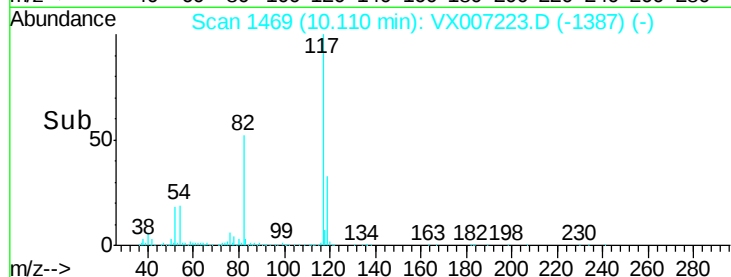
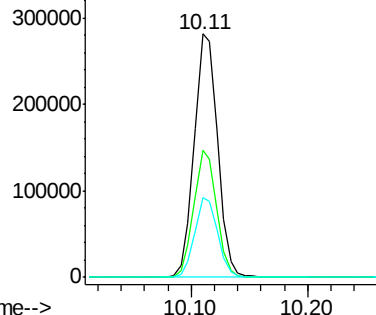
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007223.D
Acq: 25 Jan 2019 12:20

Instrument :
MSVOA_X
ClientSampleId :
2-AVE-30

Tot Ion:117 Resp: 392633
Ion Ratio Lower Upper
117 100
82 50.6 41.4 62.0
119 32.0 25.7 38.5

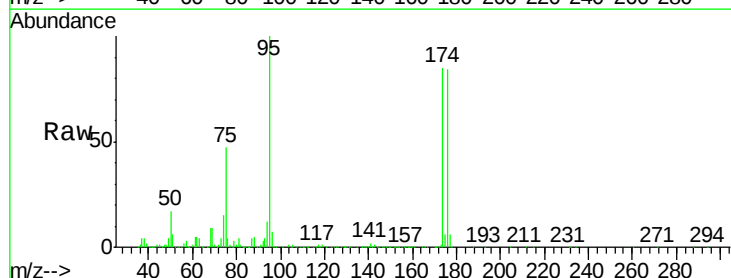


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V

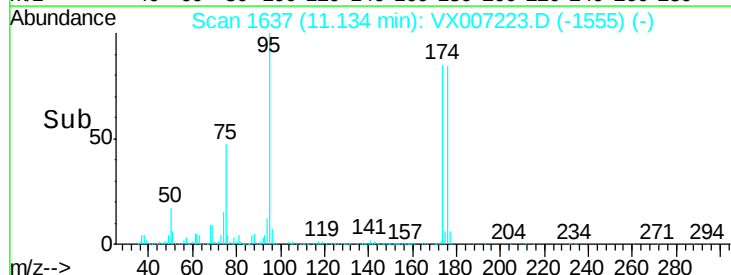
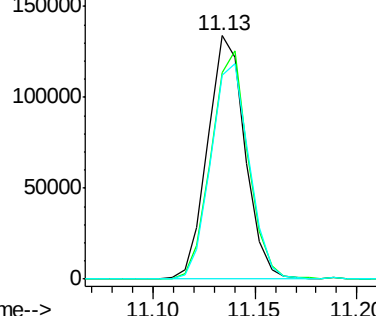


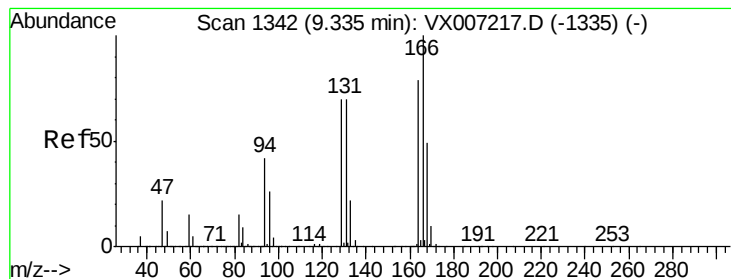
#60
4-Bromofluorobenzene
Concen: 28.031 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007223.D
Acq: 25 Jan 2019 12:20

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



Abundance Ion 95.00 (94.70 to 95.70): VX0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V





#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

Tot Ion:164 Resp: 45873

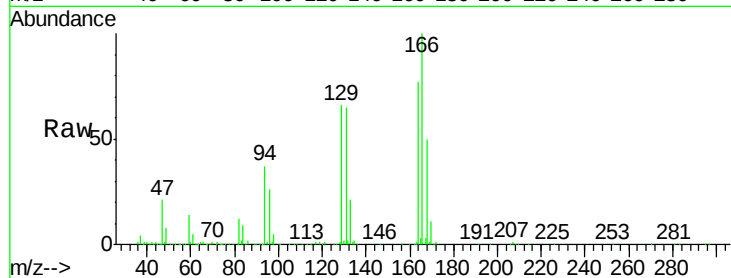
Ion Ratio Lower Upper

164 100

166 129.5 101.6 152.4

129 86.0 70.6 106.0

131 84.3 71.1 106.7



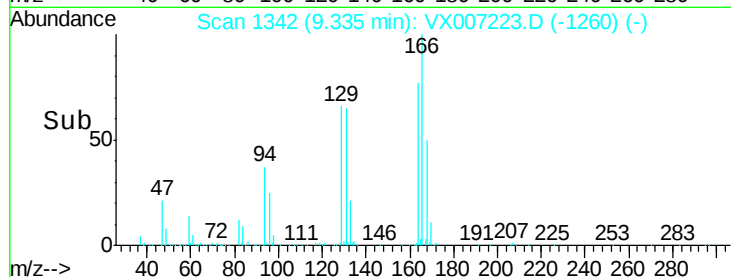
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

Time-->



Abundance

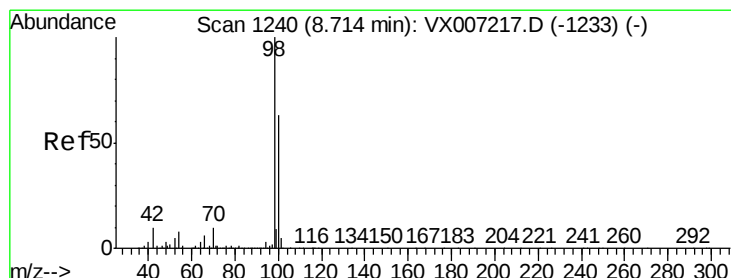
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

Time-->



#63

Toluene-d8

Concen: 29.527 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007223.D

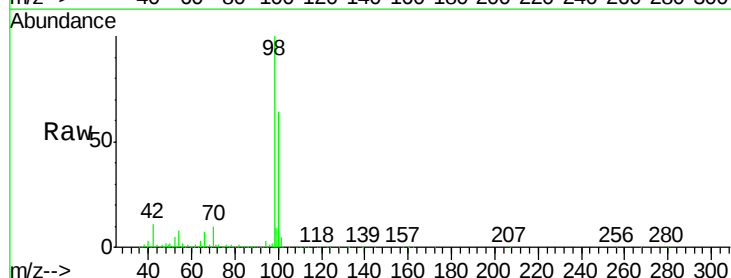
Acq: 25 Jan 2019 12:20

Tgt Ion: 98 Resp: 522558

Ion Ratio Lower Upper

98 100

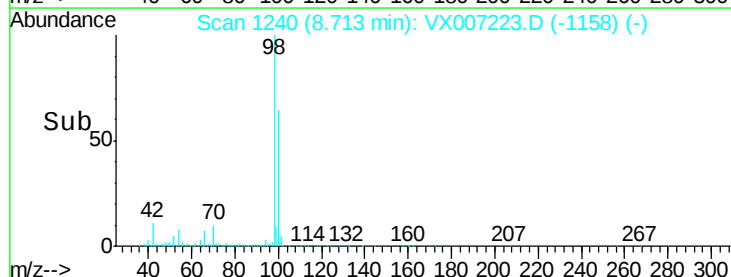
100 64.3 49.9 74.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

Time-->



Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

Time-->