

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081018\
 Data File : VX003979.D
 Acq On : 10 Aug 2018 16:17
 Operator : JC/MD
 Sample : J4379-24
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-101D

Quant Time: Aug 11 01:45:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:45:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	277068	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	433919	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	404464	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	212237	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	198624	54.08	ug/l	0.00
Spiked Amount			Recovery	=	108.16%	
35) Dibromofluoromethane	5.51	113	172878	52.59	ug/l	0.00
Spiked Amount			Recovery	=	105.18%	
50) Toluene-d8	8.72	98	609987	47.72	ug/l	0.00
Spiked Amount			Recovery	=	95.44%	
62) 4-Bromofluorobenzene	11.14	95	210434	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	

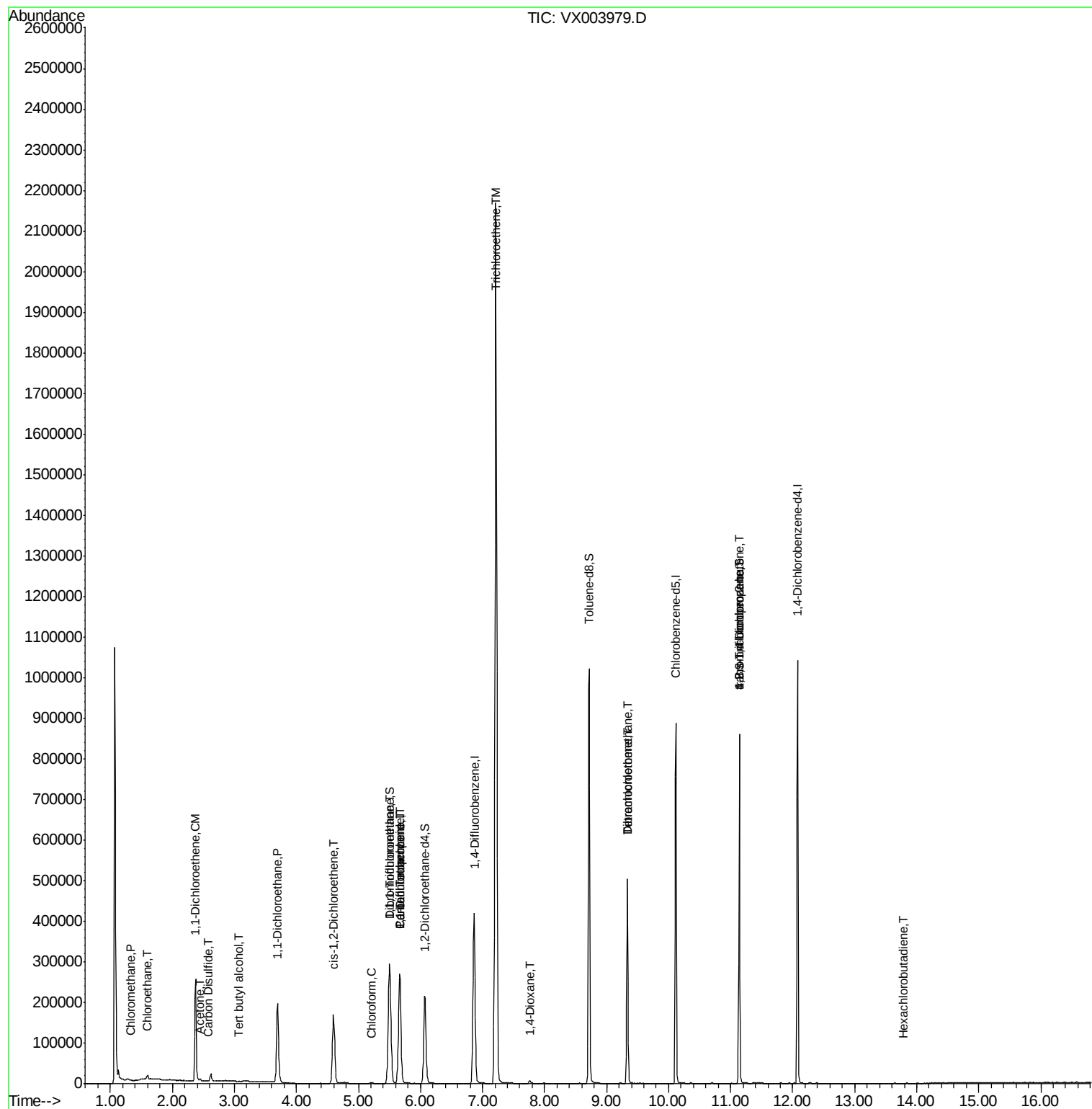
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	861	0.23	ug/l	# 71
5) Bromomethane	1.65	94	739	Below	Cal	# 95
6) Chloroethane	1.59	64	23851	9.79	ug/l	# 55
11) Tert butyl alcohol	3.07	59	312	0.35	ug/l	# 73
12) 1,1-Dichloroethene	2.37	96	84605	28.45	ug/l	# 99
13) Acrolein	2.26	56	60	Below	Cal	# 15
16) Acetone	2.45	43	4981	2.28	ug/l	# 95
17) Carbon Disulfide	2.57	76	814	0.53	ug/l	# 94
20) Methylene Chloride	2.85	84	772	Below	Cal	# 78
24) 1,1-Dichloroethane	3.70	63	221518	35.39	ug/l	# 100
27) cis-1,2-Dichloroethene	4.60	96	112210	30.63	ug/l	# 87
30) Chloroform	5.21	83	2292	0.39	ug/l	# 99
32) 1,1,1-Trichloroethane	5.49	97	97851	19.80	ug/l	# 99
36) 1,1-Dichloropropene	5.67	75	18570	3.82	ug/l	# 49
38) Carbon Tetrachloride	5.67	117	24774	5.36	ug/l	# 15
44) Trichloroethene	7.21	130	863175	216.28	ug/l	# 95
49) 1,4-Dioxane	7.76	88	5124	53.19	ug/l	# 96
60) Dibromochloromethane	9.34	129	89654	25.52	ug/l	# 11
64) Tetrachloroethene	9.34	164	103246	25.95	ug/l	# 96
76) 1,2,3-Trichloropropane	11.14	75	102509	21.87	ug/l	# 36
81) trans-1,4-Dichloro-2-buten	11.14	75	102509	59.07	ug/l	# 9
88) 1,4-Dichlorobenzene	12.10	146	401	Below	Cal	# 25
94) Hexachlorobutadiene	13.78	225	177	0.50	ug/l	# 56

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

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Quant Title : SW846 8260
QLast Update : Tue Aug 07 07:45:48 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003979.D

Acq: 10 Aug 2018 16:17

Instrument :

MSVOA_X

ClientSampled :

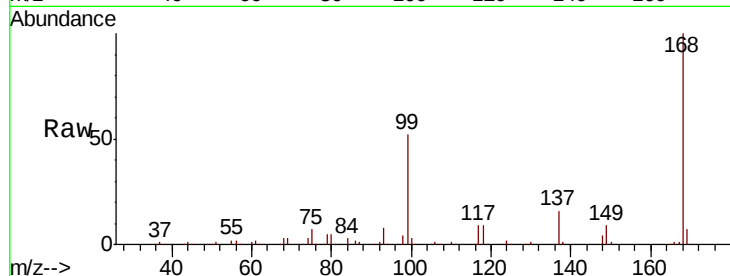
MW-101D

Tot Ion:168 Resp: 277068

Ion Ratio Lower Upper

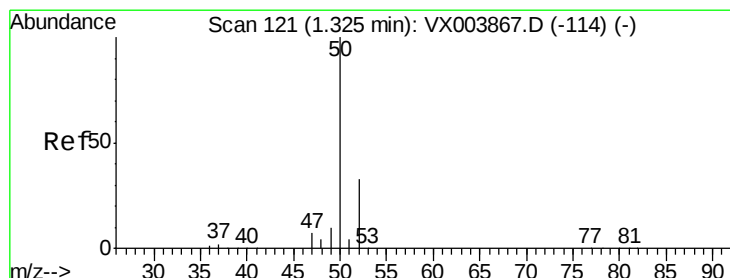
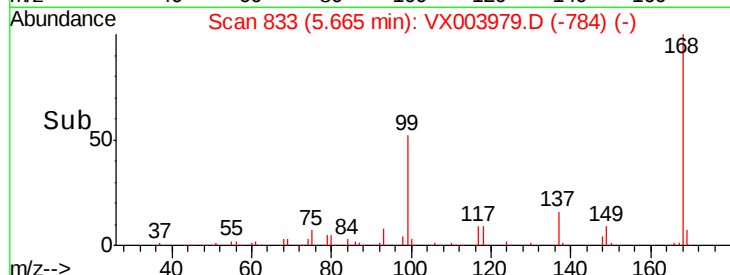
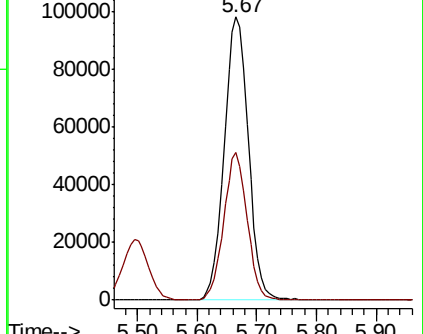
168 100

99 52.1 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.23 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX003979.D

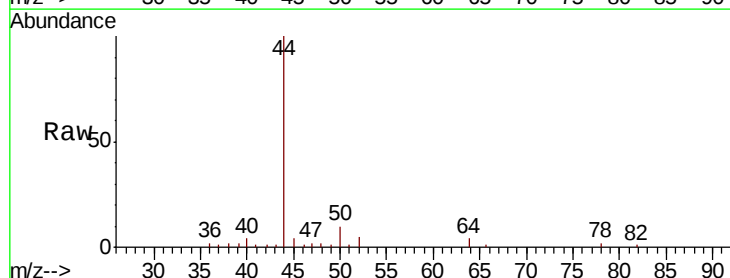
Acq: 10 Aug 2018 16:17

Tgt Ion: 50 Resp: 861

Ion Ratio Lower Upper

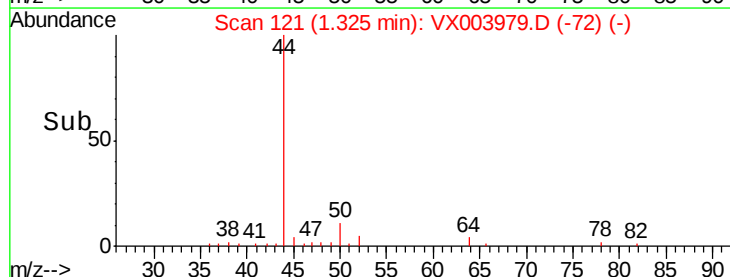
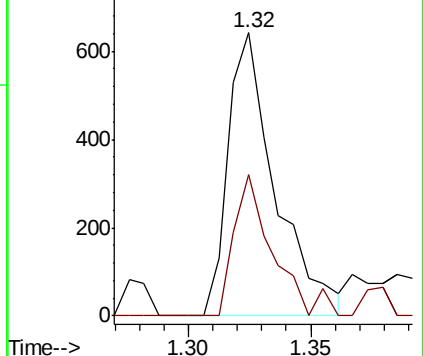
50 100

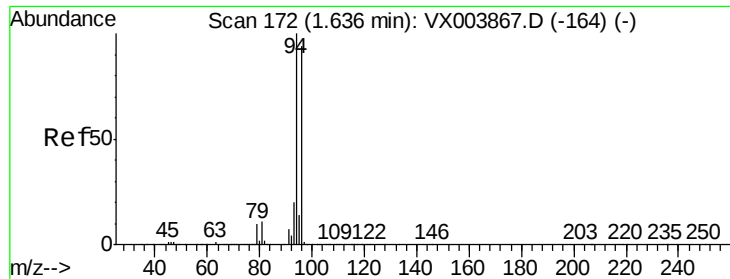
52 49.8 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003979.D

Acq: 10 Aug 2018 16:17

Instrument :

MSVOA_X

ClientSampleId :

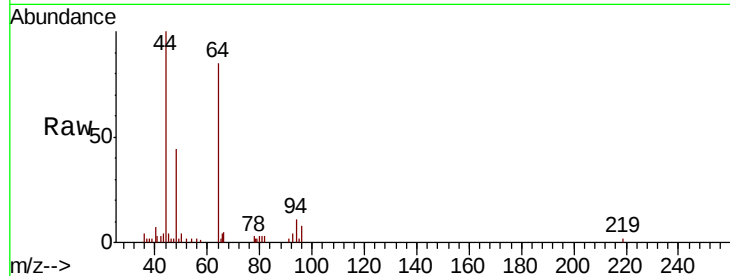
MW-101D

Tot Ion: 94 Resp: 739

Ion Ratio Lower Upper

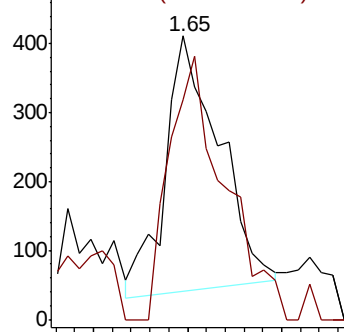
94 100

96 89.6 75.2 112.8

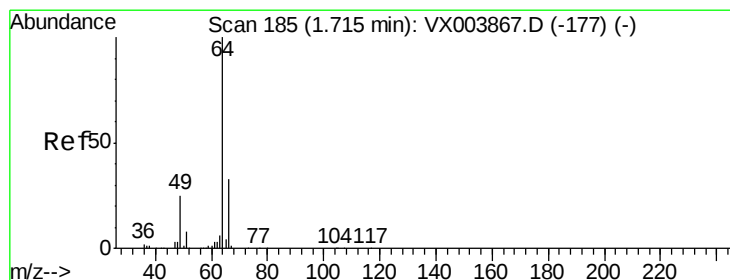
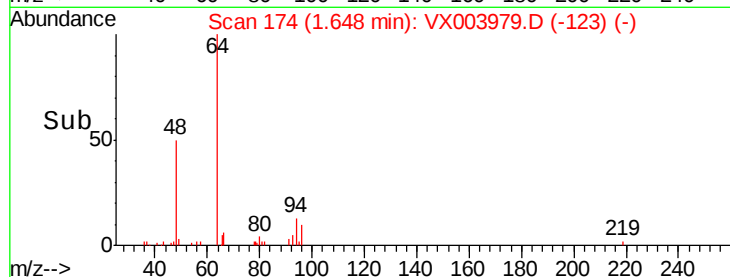


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 9.79 ug/l

RT: 1.59 min Scan# 165

Delta R.T. -0.12 min

Lab File: VX003979.D

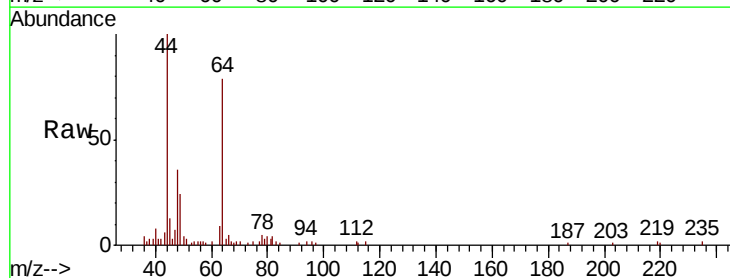
Acq: 10 Aug 2018 16:17

Tgt Ion: 64 Resp: 23851

Ion Ratio Lower Upper

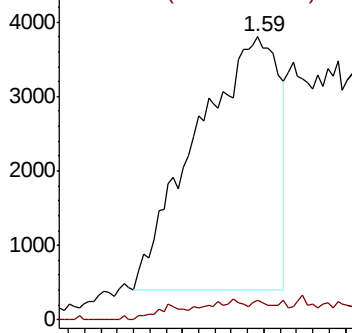
64 100

66 7.7 26.5 39.7#

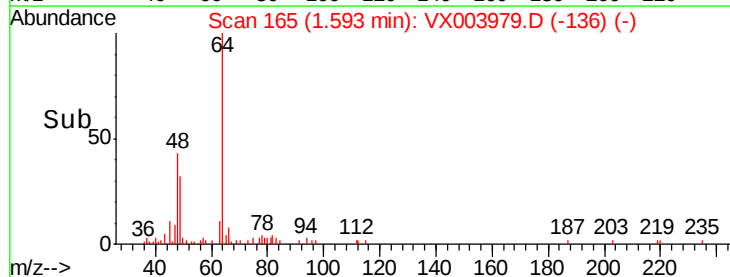


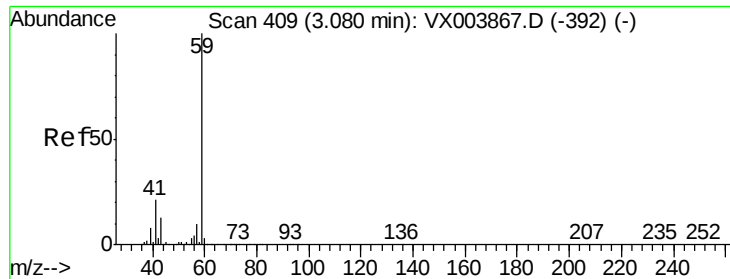
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->



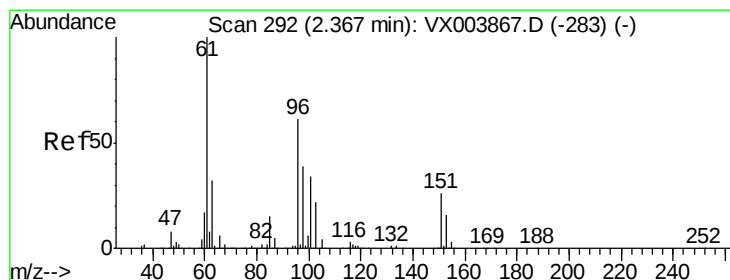
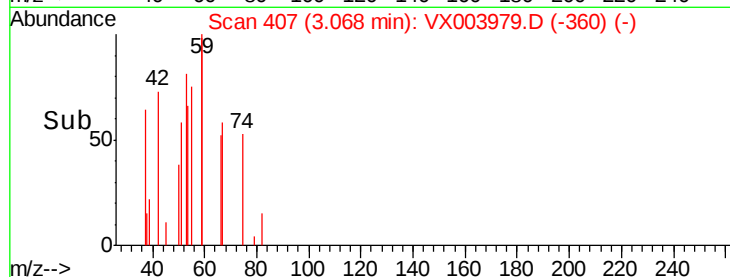
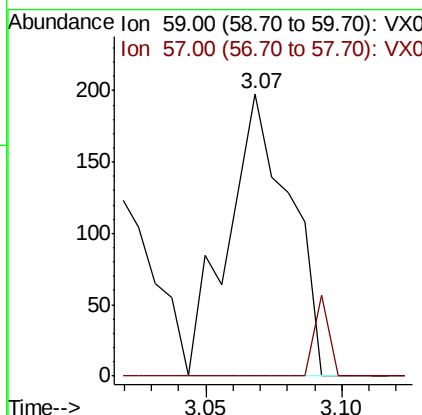
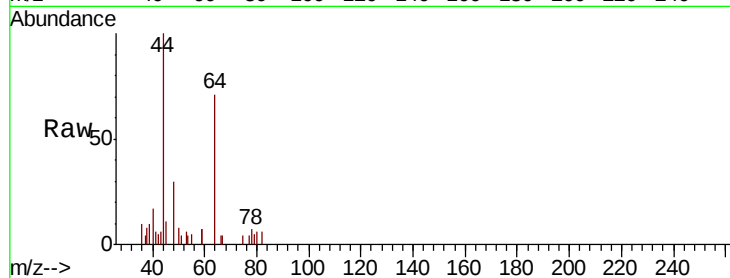


#11

Tert butyl alcohol
 Concen: 0.35 ug/l
 RT: 3.07 min Scan# 407
 Delta R.T. -0.01 min
 Lab File: VX003979.D
 Acq: 10 Aug 2018 16:17

Instrument :
 MSVOA_X
 ClientSampled :
 MW-101D

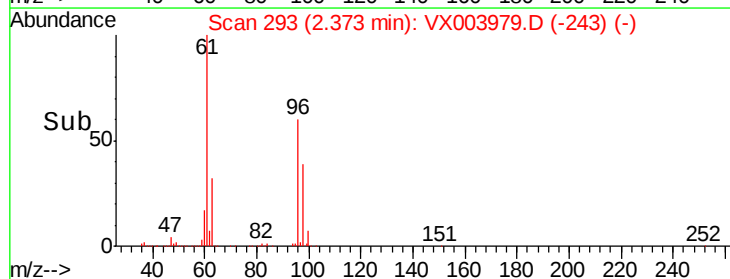
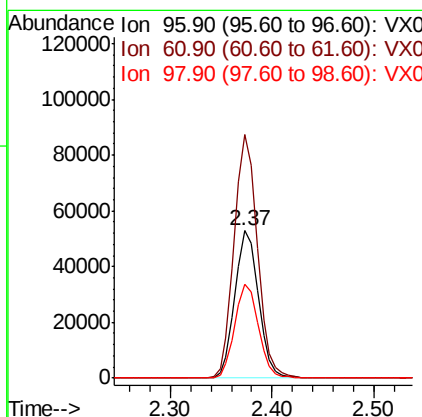
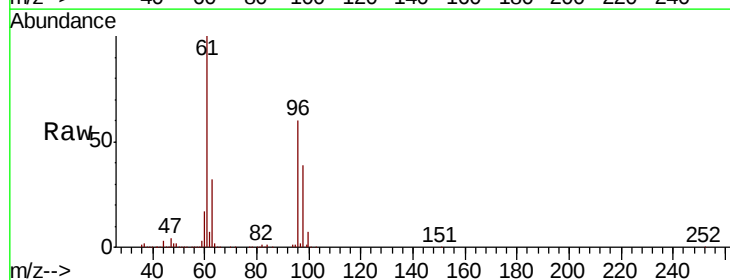
Tot Ion: 59 Resp: 312
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#

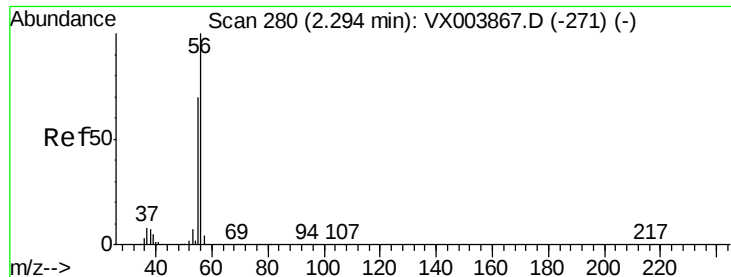


#12

1,1-Dichloroethene
 Concen: 28.45 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: VX003979.D
 Acq: 10 Aug 2018 16:17

Tgt Ion: 96 Resp: 84605
 Ion Ratio Lower Upper
 96 100
 61 165.5 131.3 196.9
 98 63.7 51.8 77.6

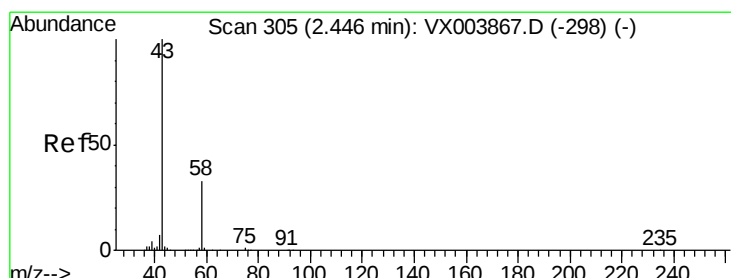
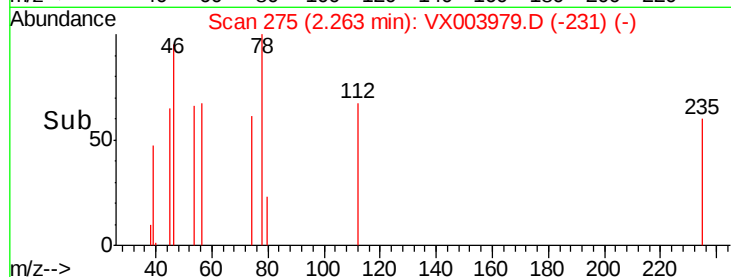
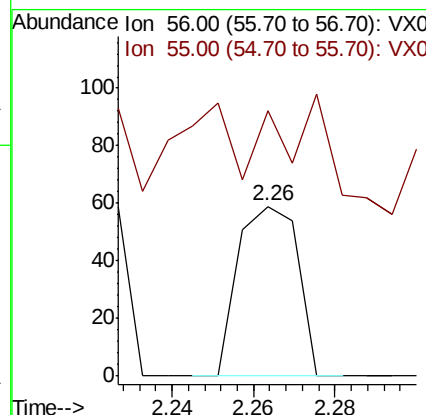
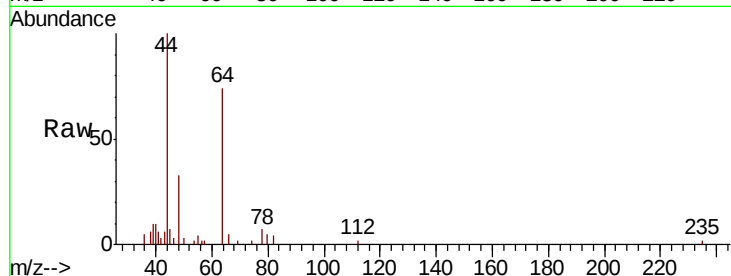




#13
Acrolein
Concen: Below Cal
RT: 2.26 min Scan# 275
Delta R.T. -0.03 min
Lab File: VX003979.D
Acq: 10 Aug 2018 16:17

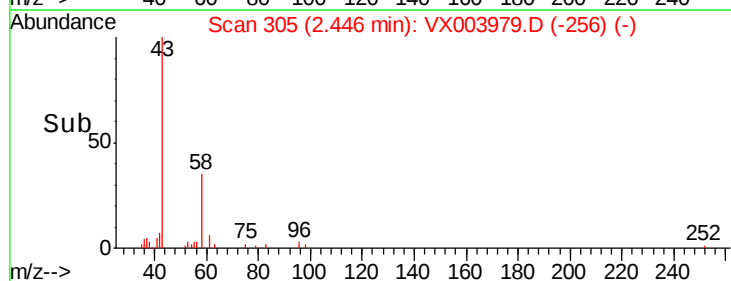
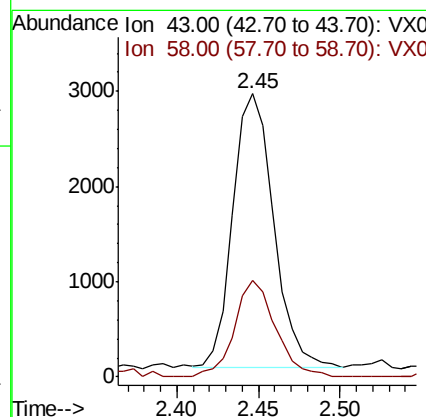
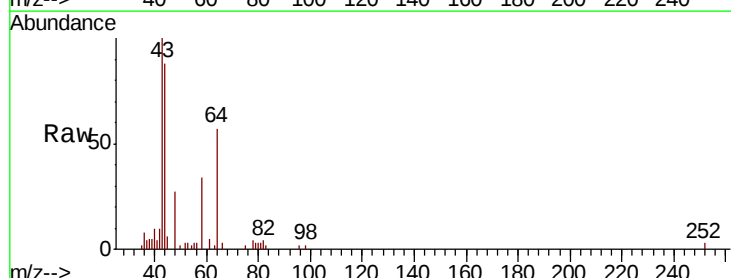
Instrument :
MSVOA_X
ClientSampled :
MW-101D

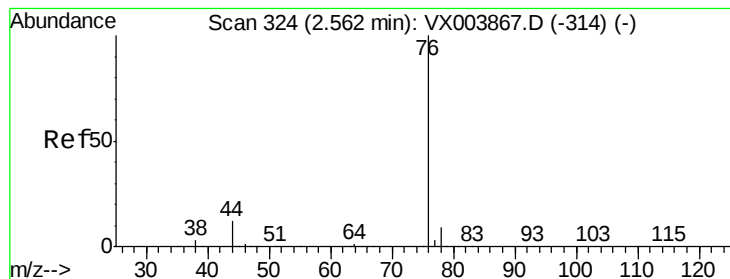
Tot Ion: 56 Resp: 60
Ion Ratio Lower Upper
56 100
55 0.0 56.1 84.1#



#16
Acetone
Concen: 2.28 ug/l
RT: 2.45 min Scan# 305
Delta R.T. -0.00 min
Lab File: VX003979.D
Acq: 10 Aug 2018 16:17

Tgt Ion: 43 Resp: 4981
Ion Ratio Lower Upper
43 100
58 35.6 26.4 39.6





#17

Carbon Disulfide

Concen: 0.53 ua/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX003979.D

Acq: 10 Aug 2018 16:17

Instrument :

MSVOA_X

ClientSampled :

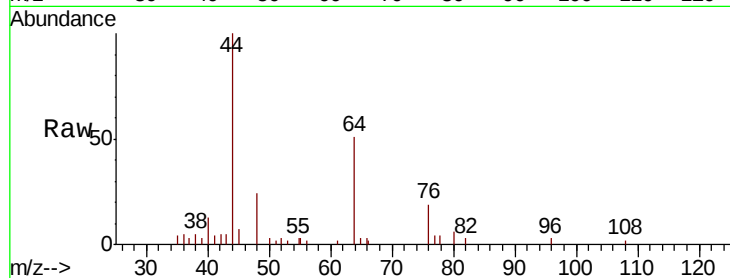
MW-101D

Tot Ion: 76 Resp: 814

Ion Ratio Lower Upper

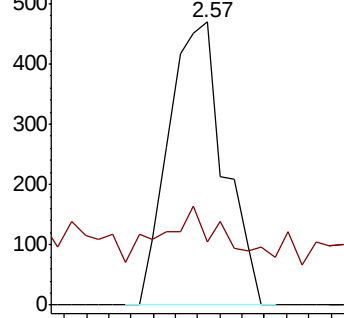
76 100

78 7.2 7.5 11.3#

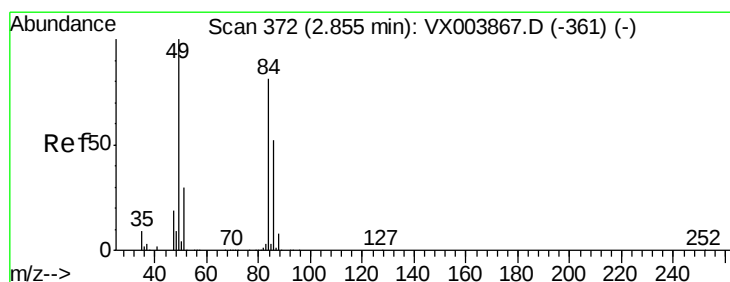
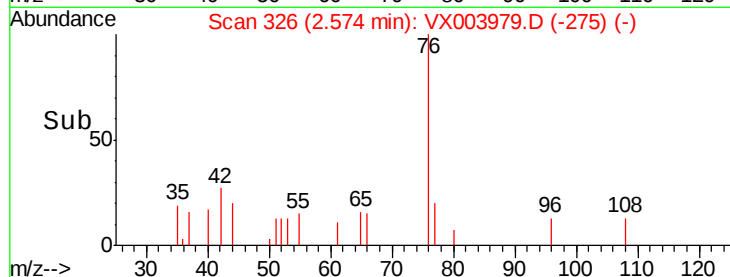


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX003979.D

Acq: 10 Aug 2018 16:17

Tgt Ion: 84 Resp: 772

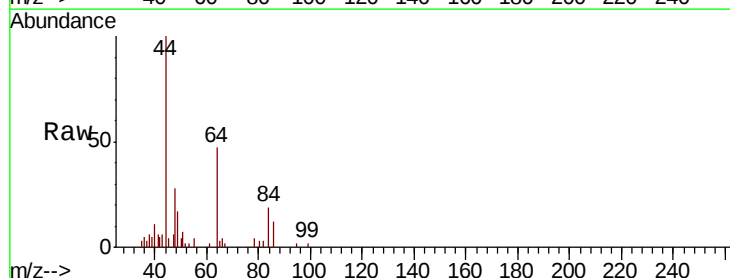
Ion Ratio Lower Upper

84 100

49 89.0 98.9 148.3#

51 20.6 29.9 44.9#

86 62.4 51.0 76.6

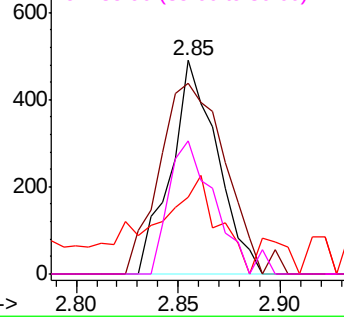


Abundance Ion 83.90 (83.60 to 84.60): VX0

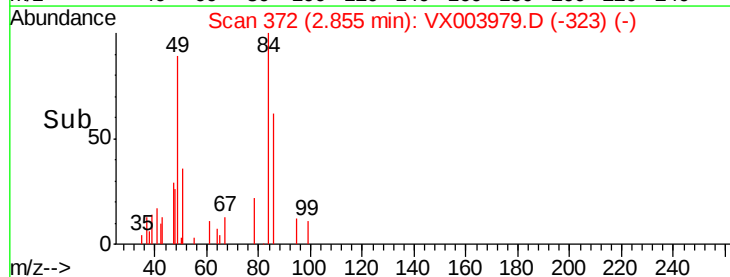
Ion 48.90 (48.60 to 49.60): VX0

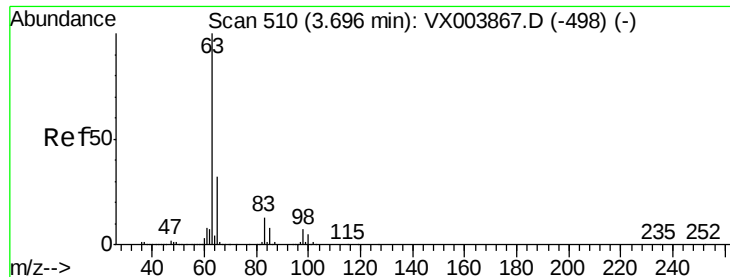
Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



Time-->





#24

1,1-Dichloroethane

Concen: 35.39 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003979.D

Acq: 10 Aug 2018 16:17

Instrument :

MSVOA_X

ClientSampleId :

MW-101D

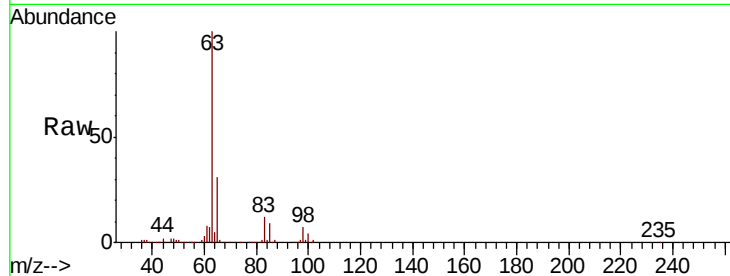
Tot Ion: 63 Resp: 221518

Ion Ratio Lower Upper

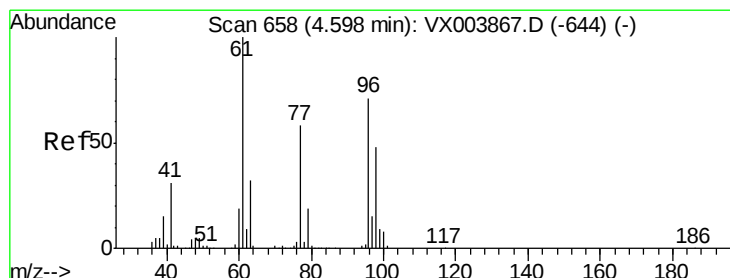
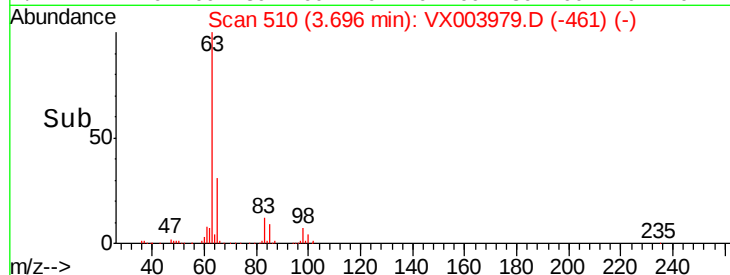
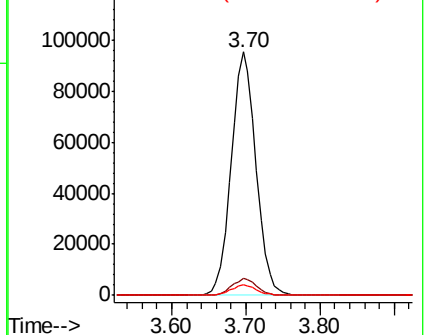
63 100

98 6.9 3.5 10.5

100 4.4 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 30.63 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX003979.D

Acq: 10 Aug 2018 16:17

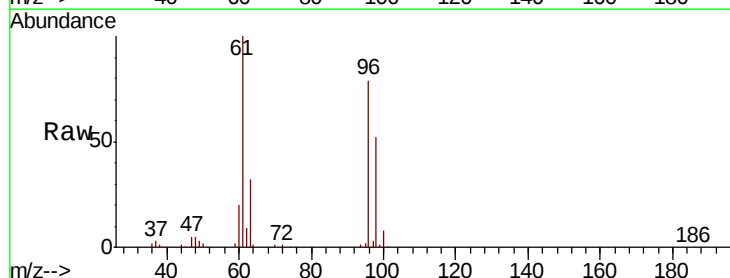
Tgt Ion: 96 Resp: 112210

Ion Ratio Lower Upper

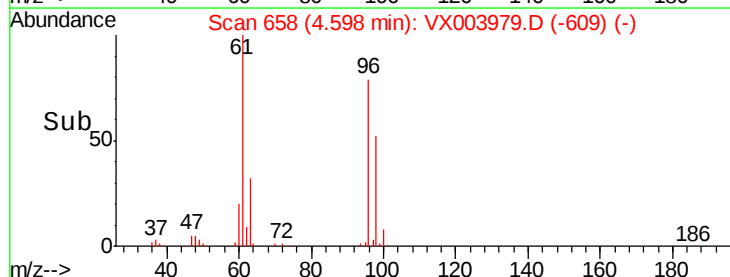
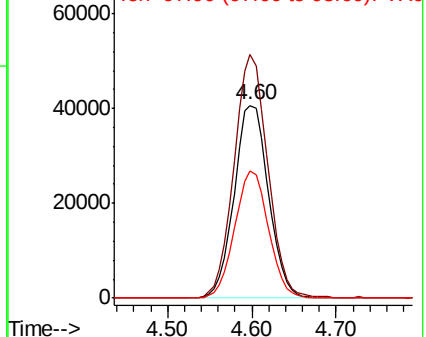
96 100

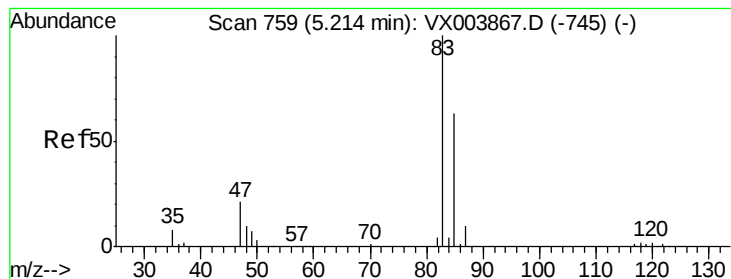
61 124.3 0.0 293.0

98 64.6 0.0 131.8



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#30

Chloroform

Concen: 0.39 ug/l

RT: 5.21 min Scan# 758

Delta R.T. -0.01 min

Lab File: VX003979.D

Acq: 10 Aug 2018 16:17

Instrument :

MSVOA_X

ClientSampleId :

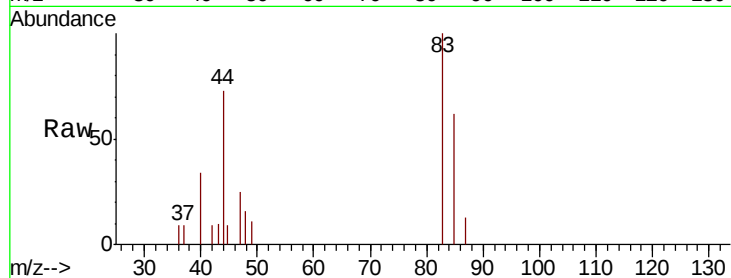
MW-101D

Tot Ion: 83 Resp: 2292

Ion Ratio Lower Upper

83 100

85 62.2 50.7 76.1



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

5.21

800

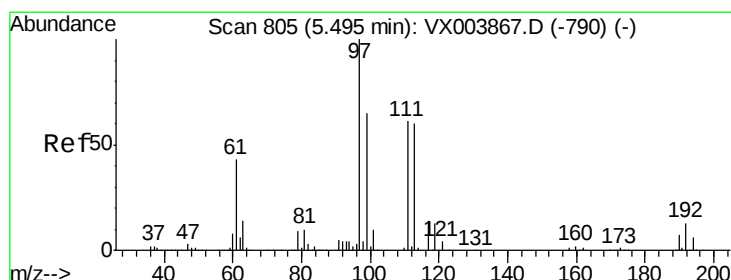
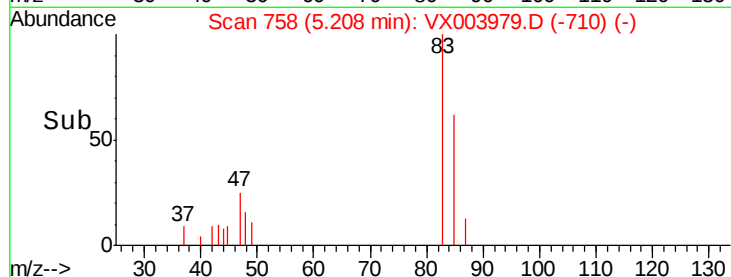
600

400

200

0

Time--> 5.10 5.15 5.20 5.25 5.30



#32

1,1,1-Trichloroethane

Concen: 19.80 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX003979.D

Acq: 10 Aug 2018 16:17

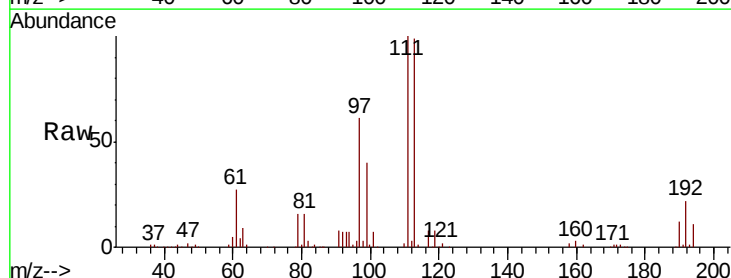
Tgt Ion: 97 Resp: 97851

Ion Ratio Lower Upper

97 100

99 65.0 51.8 77.8

61 44.7 34.4 51.6



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

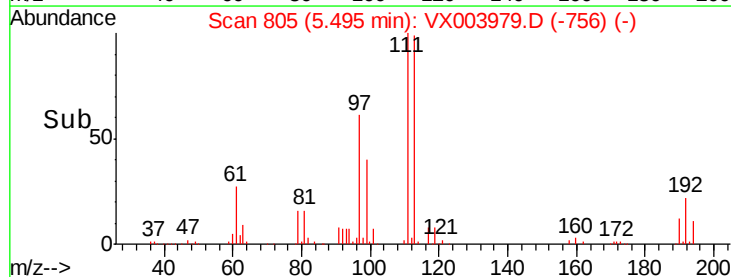
60000

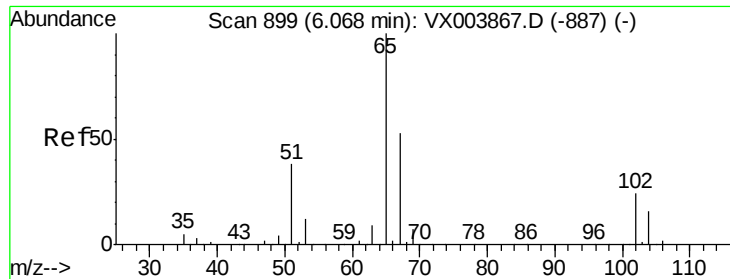
40000

20000

0

Time--> 5.40 5.50 5.60

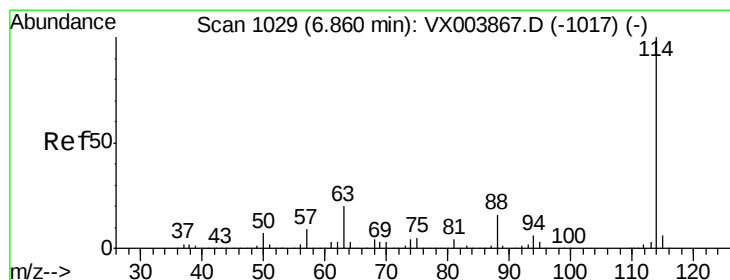
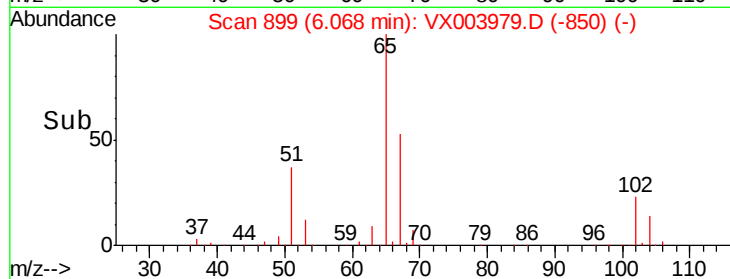
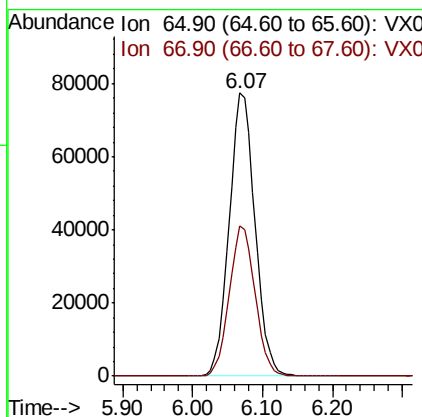
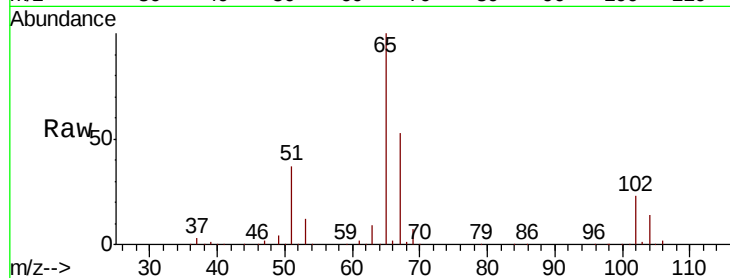




#33
 1,2-Dichloroethane-d4
 Concen: 54.08 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX003979.D
 Acq: 10 Aug 2018 16:17

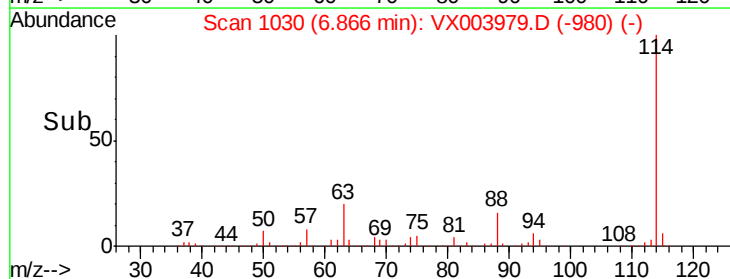
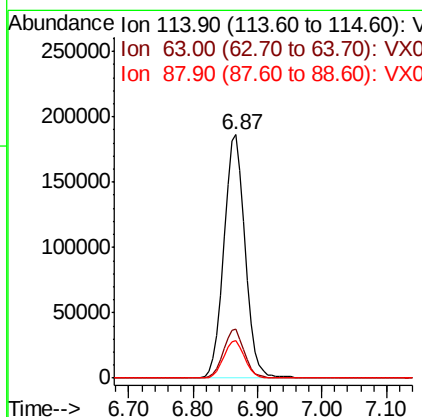
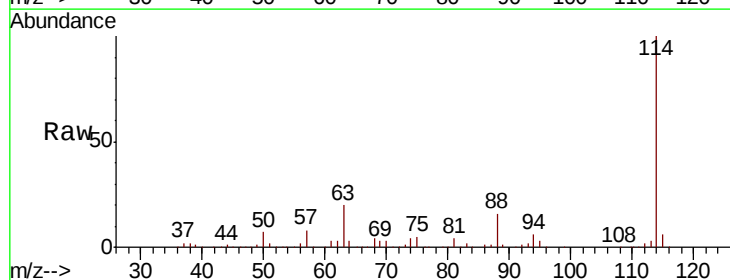
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-101D

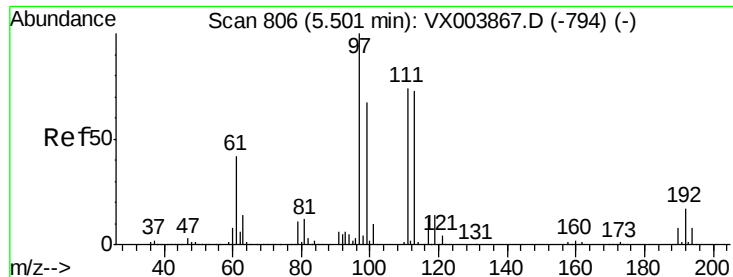
Tot Ion: 65 Resp: 198624
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.01 min
 Lab File: VX003979.D
 Acq: 10 Aug 2018 16:17

Tgt Ion: 114 Resp: 433919
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.0
 88 15.6 0.0 32.0

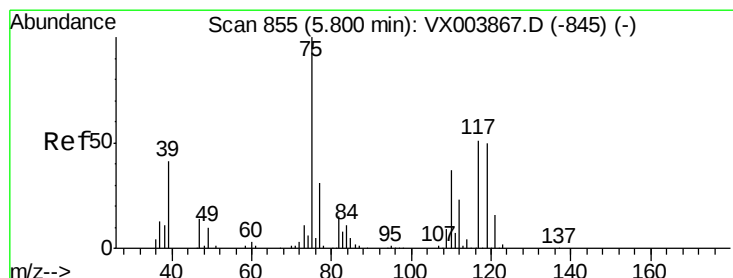
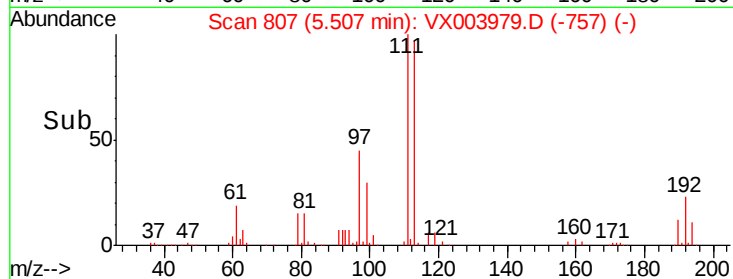
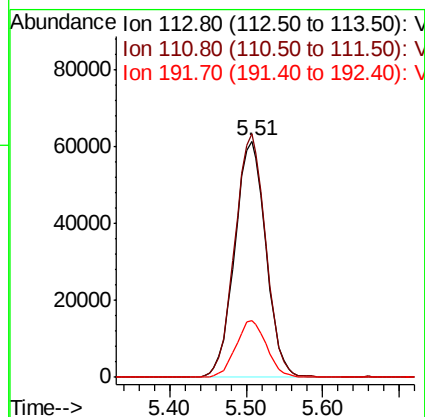
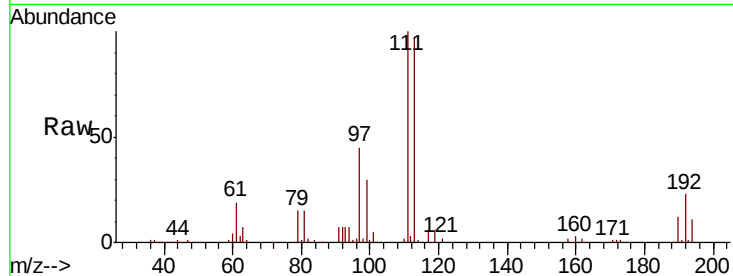




#35
 Dibromofluoromethane
 Concen: 52.59 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX003979.D
 Acq: 10 Aug 2018 16:17

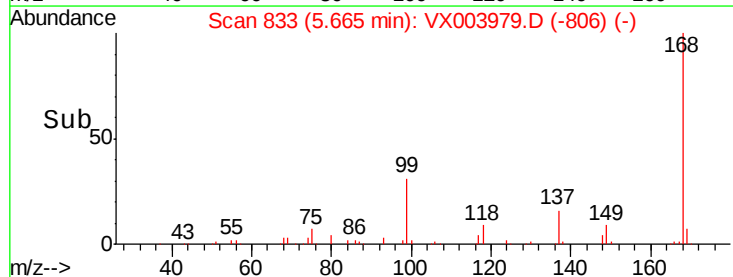
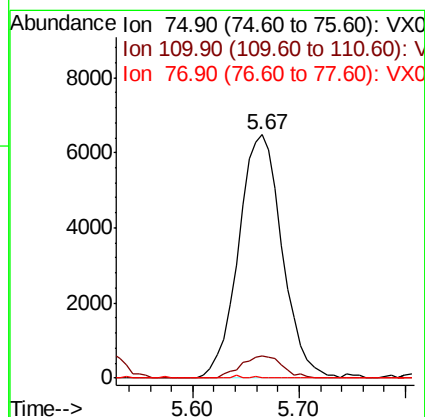
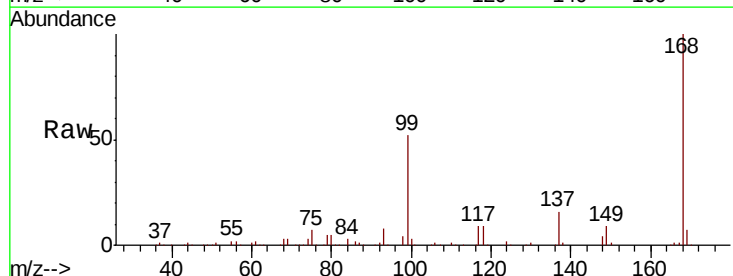
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-101D

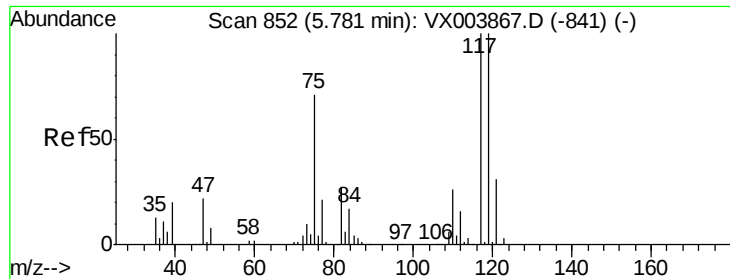
Tot Ion:113 Resp: 172878
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.0 123.0
 192 23.7 19.0 28.4



#36
 1,1-Dichloropropene
 Concen: 3.82 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003979.D
 Acq: 10 Aug 2018 16:17

Tgt Ion: 75 Resp: 18570
 Ion Ratio Lower Upper
 75 100
 110 8.8 18.2 54.6#
 77 0.1 25.0 37.4#

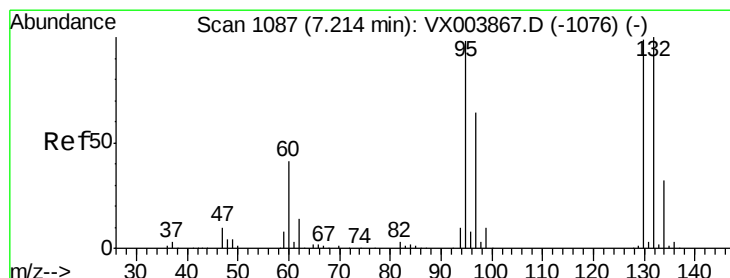
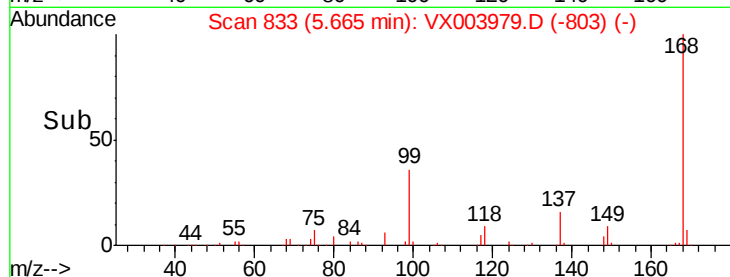
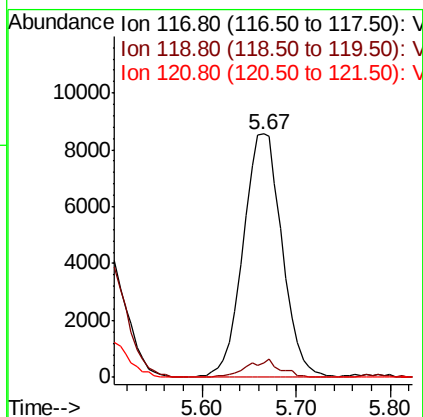
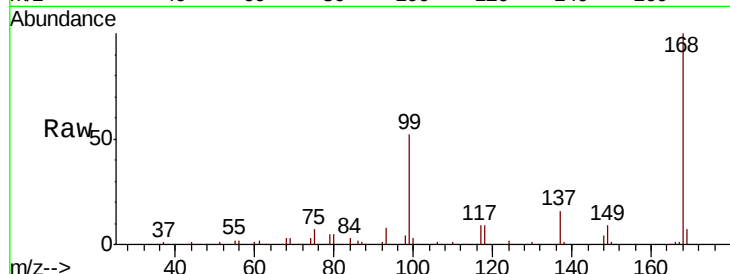




#38
Carbon Tetrachloride
Concen: 5.36 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX003979.D
Acq: 10 Aug 2018 16:17

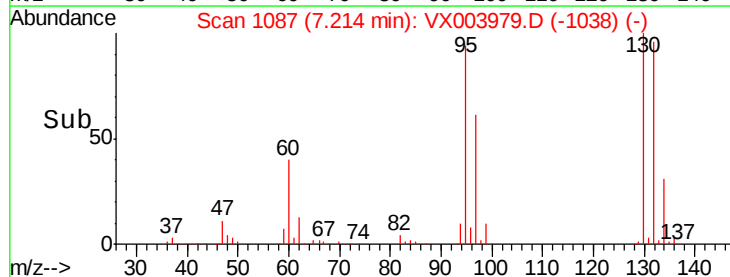
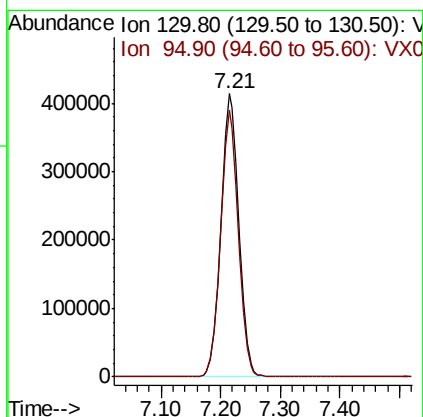
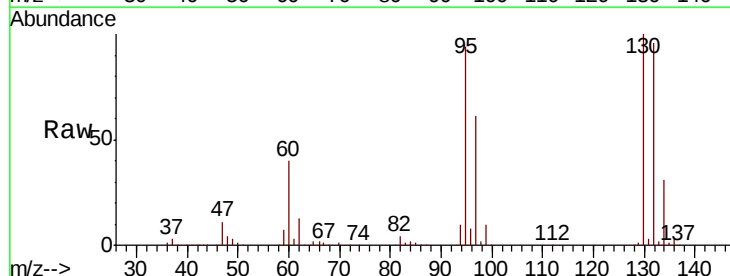
Instrument :
MSVOA_X
ClientSampled :
MW-101D

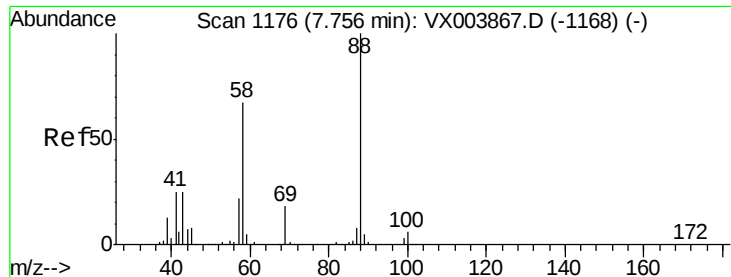
Tot Ion:117 Resp: 24774
Ion Ratio Lower Upper
117 100
119 5.7 79.5 119.3#
121 0.0 25.0 37.4#



#44
Trichloroethene
Concen: 216.28 ug/l
RT: 7.21 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX003979.D
Acq: 10 Aug 2018 16:17

Tgt Ion:130 Resp: 863175
Ion Ratio Lower Upper
130 100
95 94.4 0.0 199.4

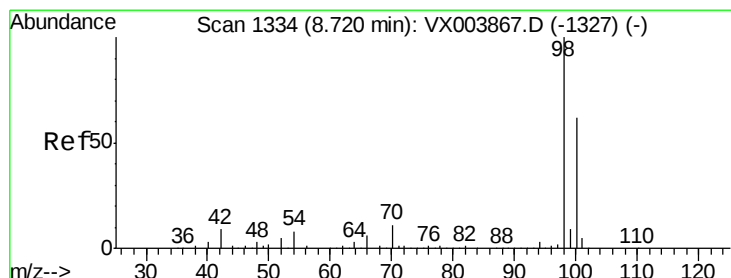
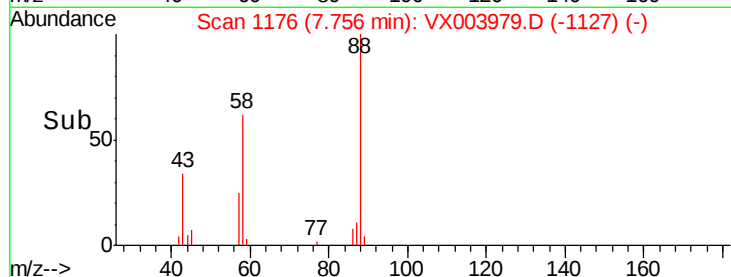
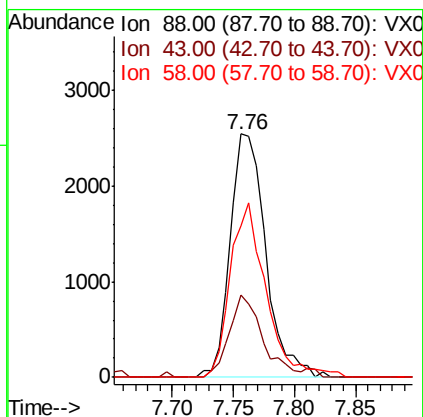
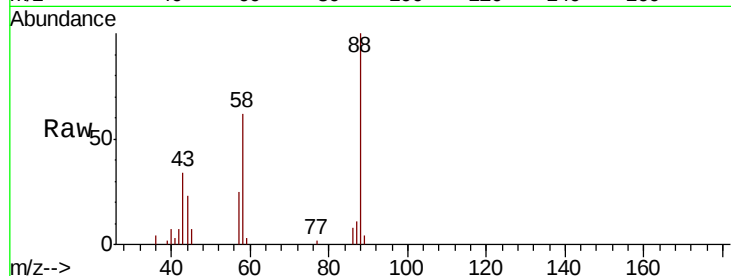




#49
 1,4-Dioxane
 Concen: 53.19 ug/l
 RT: 7.76 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: VX003979.D
 Acq: 10 Aug 2018 16:17

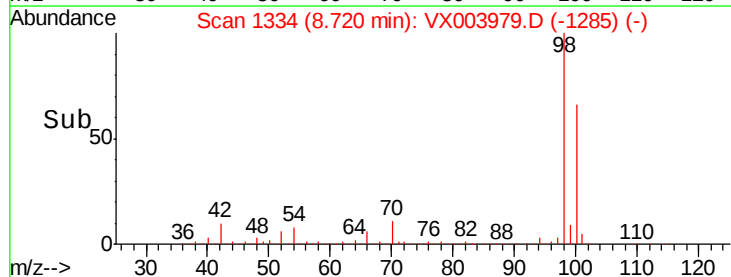
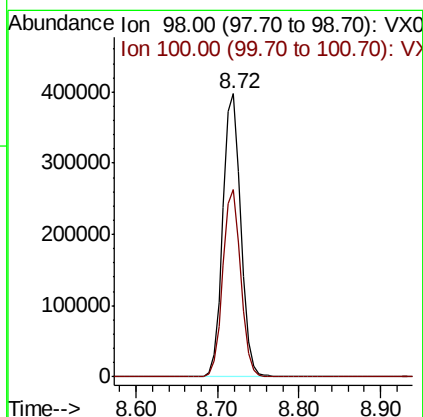
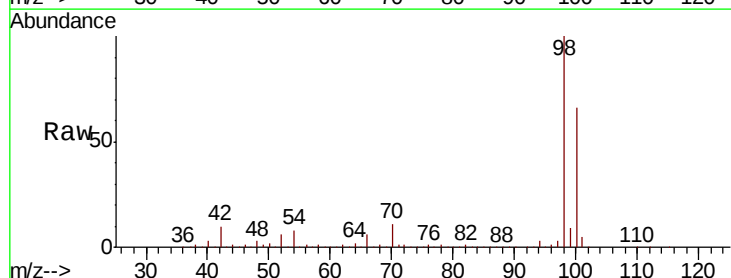
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-101D

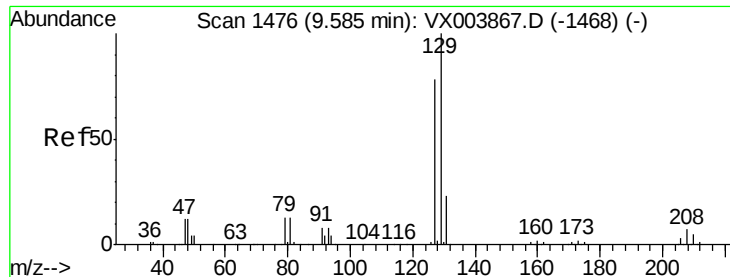
Tot Ion: 88 Resp: 5124
 Ion Ratio Lower Upper
 88 100
 43 31.9 23.8 35.8
 58 72.5 55.4 83.0



#50
 Toluene-d8
 Concen: 47.72 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: VX003979.D
 Acq: 10 Aug 2018 16:17

Tgt Ion: 98 Resp: 609987
 Ion Ratio Lower Upper
 98 100
 100 65.6 53.3 79.9

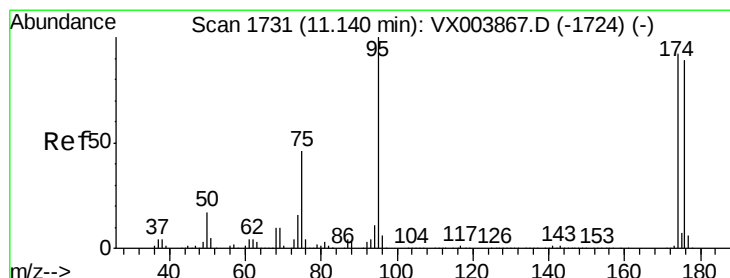
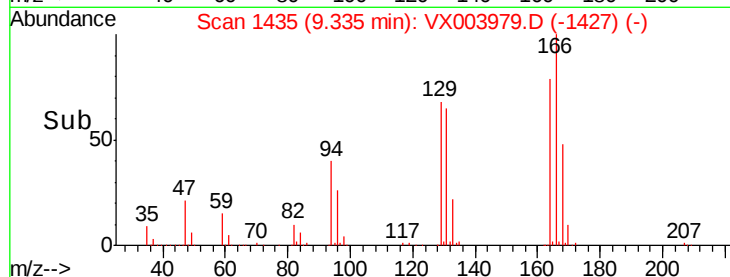
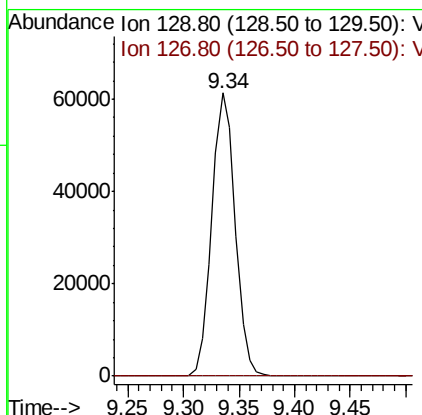
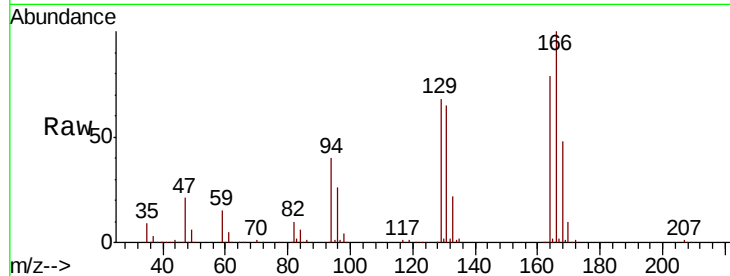




#60
 Dibromochloromethane
 Concen: 25.52 ug/l
 RT: 9.34 min Scan# 1435
 Delta R.T. -0.25 min
 Lab File: VX003979.D
 Acq: 10 Aug 2018 16:17

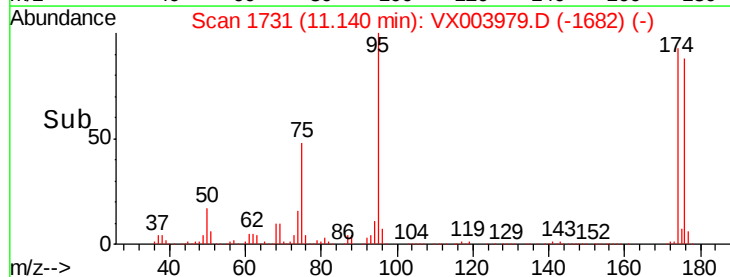
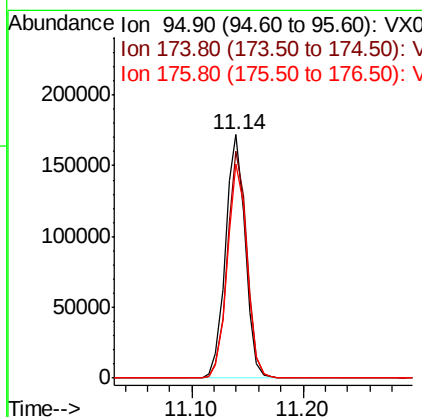
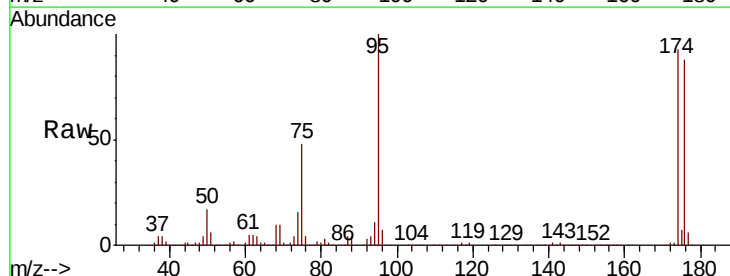
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-101D

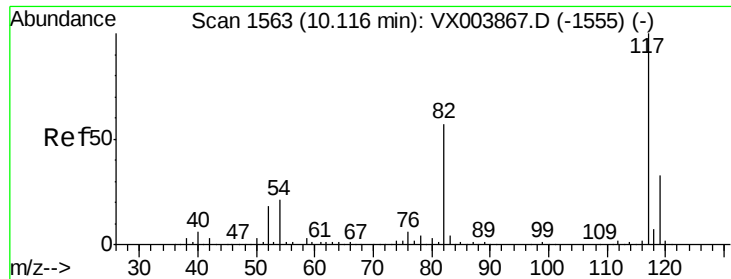
Tot Ion:129 Resp: 89654
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.8 116.3#



#62
 4-Bromofluorobenzene
 Concen: 50.87 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX003979.D
 Acq: 10 Aug 2018 16:17

Tgt Ion: 95 Resp: 210434
 Ion Ratio Lower Upper
 95 100
 174 93.1 0.0 182.8
 176 88.1 0.0 179.0

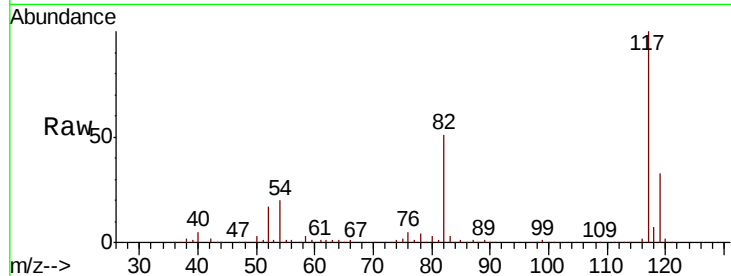




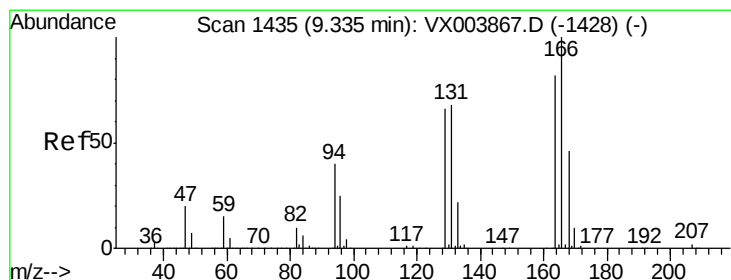
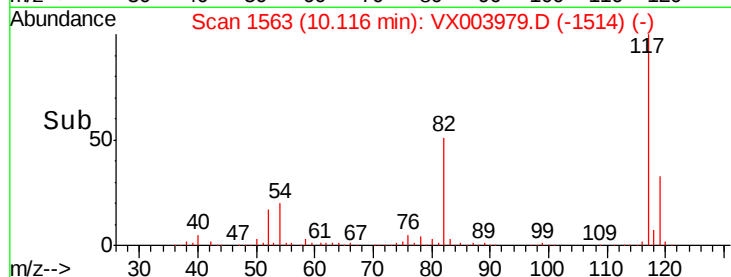
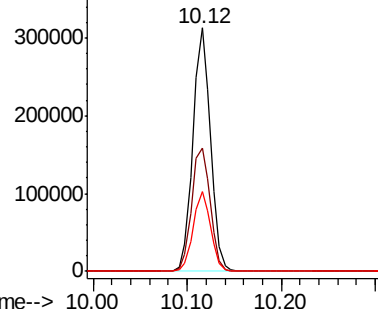
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003979.D
Acq: 10 Aug 2018 16:17

Instrument :
MSVOA_X
ClientSampleId :
MW-101D

Tot Ion:117 Resp: 404464
Ion Ratio Lower Upper
117 100
82 50.8 45.4 68.0
119 32.6 26.6 40.0

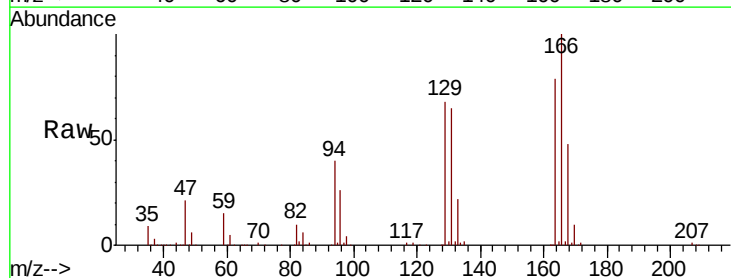


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

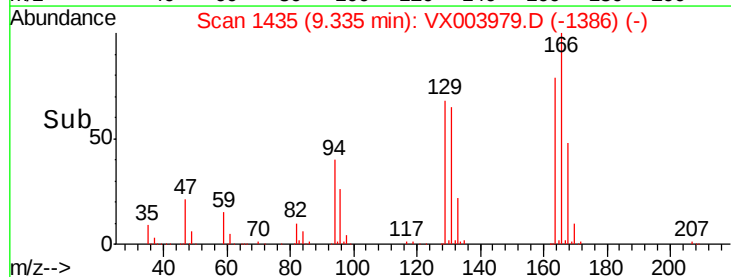
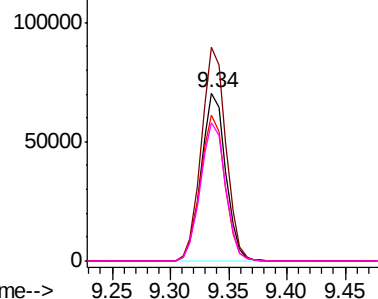


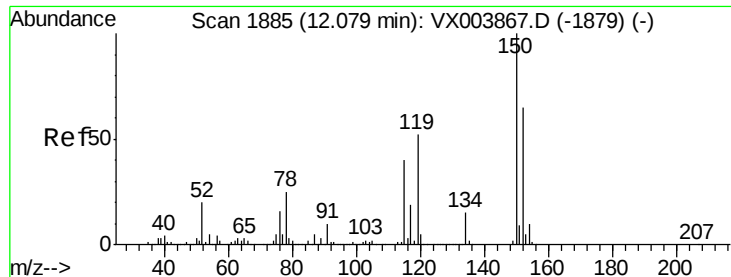
#64
Tetrachloroethene
Concen: 25.95 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX003979.D
Acq: 10 Aug 2018 16:17

Tgt Ion:164 Resp: 103246
Ion Ratio Lower Upper
164 100
166 127.0 98.0 147.0
129 87.0 64.3 96.5
131 82.2 66.8 100.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX003979.D

Acq: 10 Aug 2018 16:17

Instrument :

MSVOA_X

ClientSampleId :

MW-101D

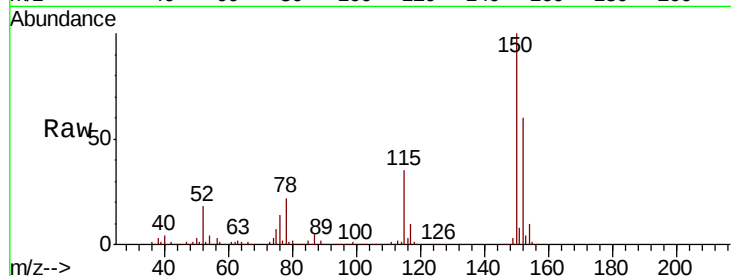
Tot Ion:152 Resp: 212237

Ion Ratio Lower Upper

152 100

115 56.3 39.1 117.3

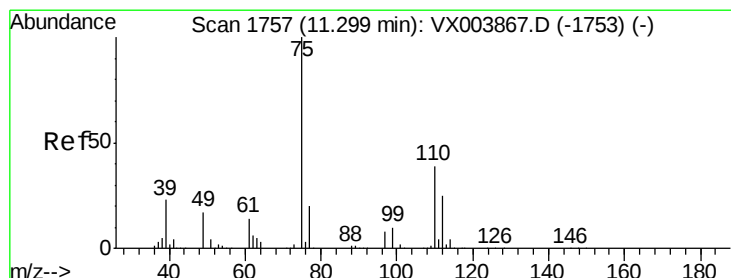
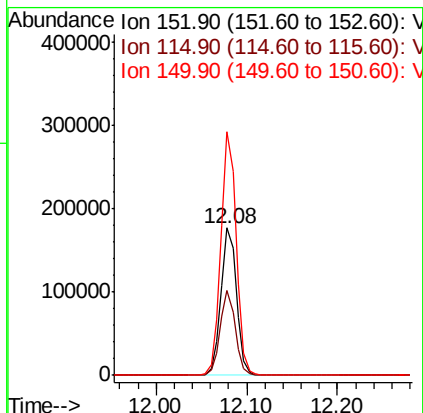
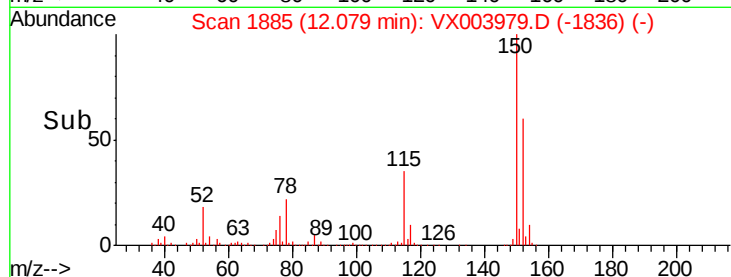
150 162.8 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 21.87 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003979.D

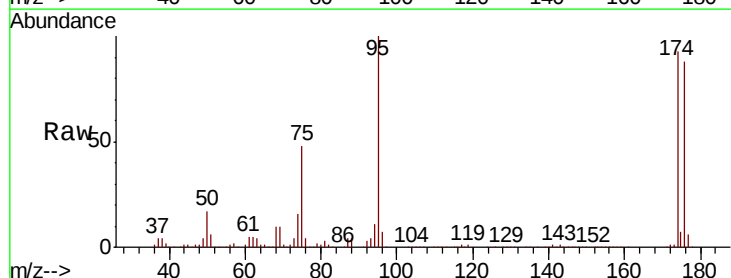
Acq: 10 Aug 2018 16:17

Tgt Ion: 75 Resp: 102509

Ion Ratio Lower Upper

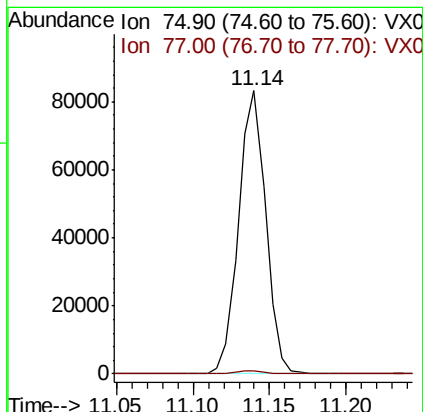
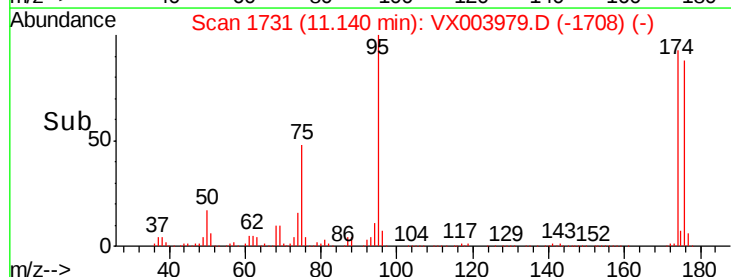
75 100

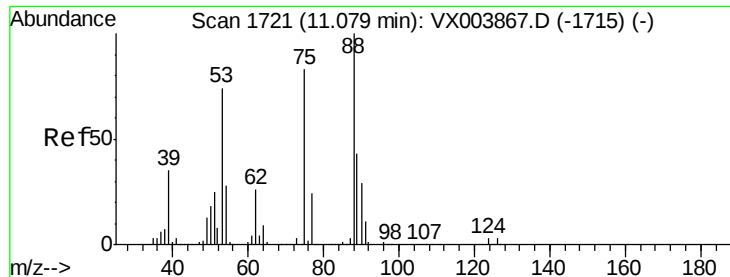
77 1.2 20.8 62.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 59.07 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003979.D

Acq: 10 Aug 2018 16:17

Instrument :

MSVOA_X

ClientSampled :

MW-101D

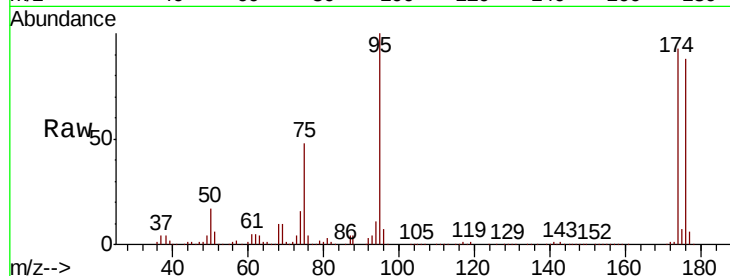
Tot Ion: 75 Resp: 102509

Ion Ratio Lower Upper

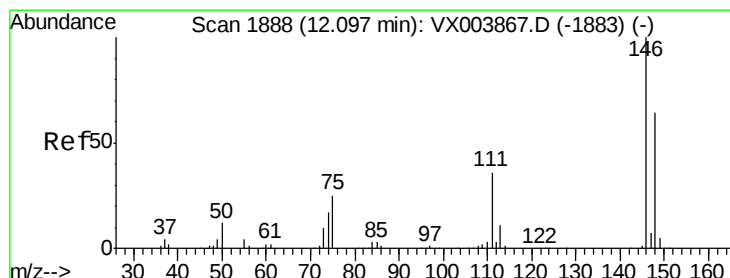
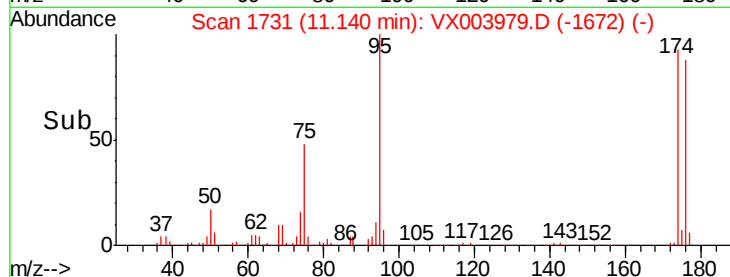
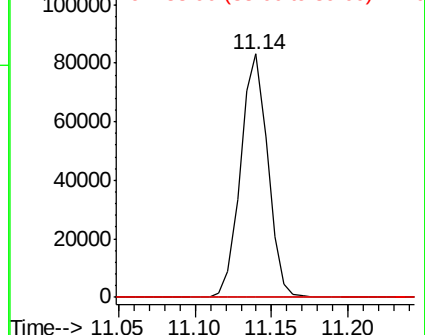
75 100

53 0.3 80.3 120.5#

89 0.0 37.8 56.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 12.10 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VX003979.D

Acq: 10 Aug 2018 16:17

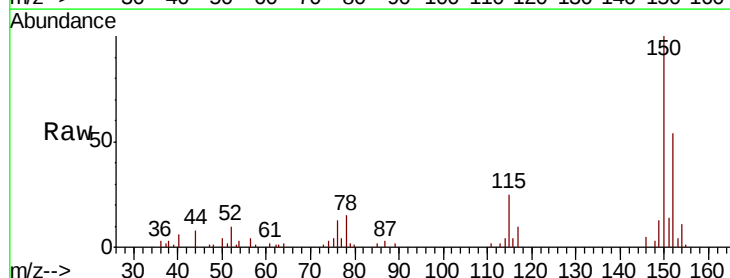
Tgt Ion: 146 Resp: 401

Ion Ratio Lower Upper

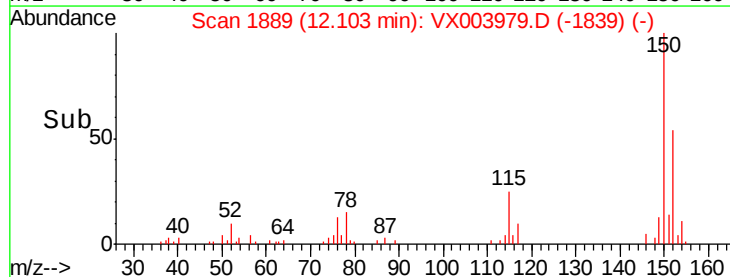
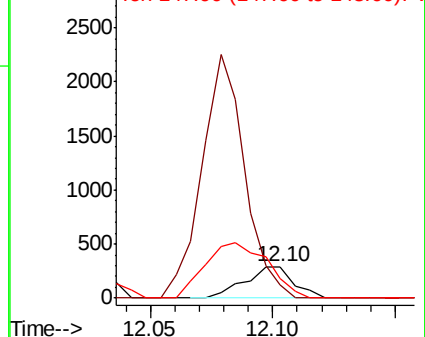
146 100

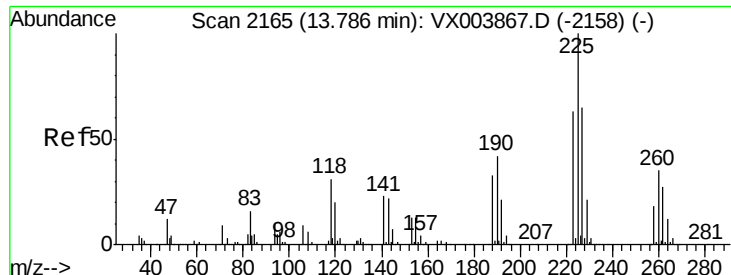
111 0.0 18.4 55.0#

148 0.0 32.3 96.8#



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#94

Hexachlorobutadiene

Concen: 0.50 ug/l

RT: 13.78 min Scan# 2164

Delta R.T. -0.01 min

Lab File: VX003979.D

Acq: 10 Aug 2018 16:17

Instrument :

MSVOA_X

ClientSampleId :

MW-101D

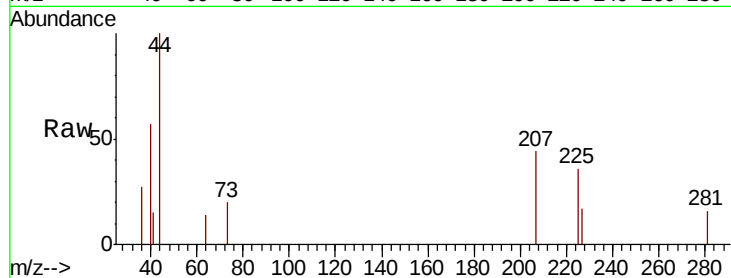
Tot Ion:225 Resp: 177

Ion Ratio Lower Upper

225 100

223 21.5 31.4 94.0#

227 36.7 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

