

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080918\
 Data File : VX003958.D
 Acq On : 09 Aug 2018 18:37
 Operator : JC/MD
 Sample : J4379-15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-104I

Quant Time: Aug 10 01:05:56 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	294828	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	465423	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	439367	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	237741	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	205424	52.56	ug/l	0.00
Spiked Amount			Recovery	=	105.12%	
35) Dibromofluoromethane	5.51	113	177635	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	
50) Toluene-d8	8.72	98	650931	47.47	ug/l	0.00
Spiked Amount			Recovery	=	94.94%	
62) 4-Bromofluorobenzene	11.14	95	229472	51.72	ug/l	0.00
Spiked Amount			Recovery	=	103.44%	

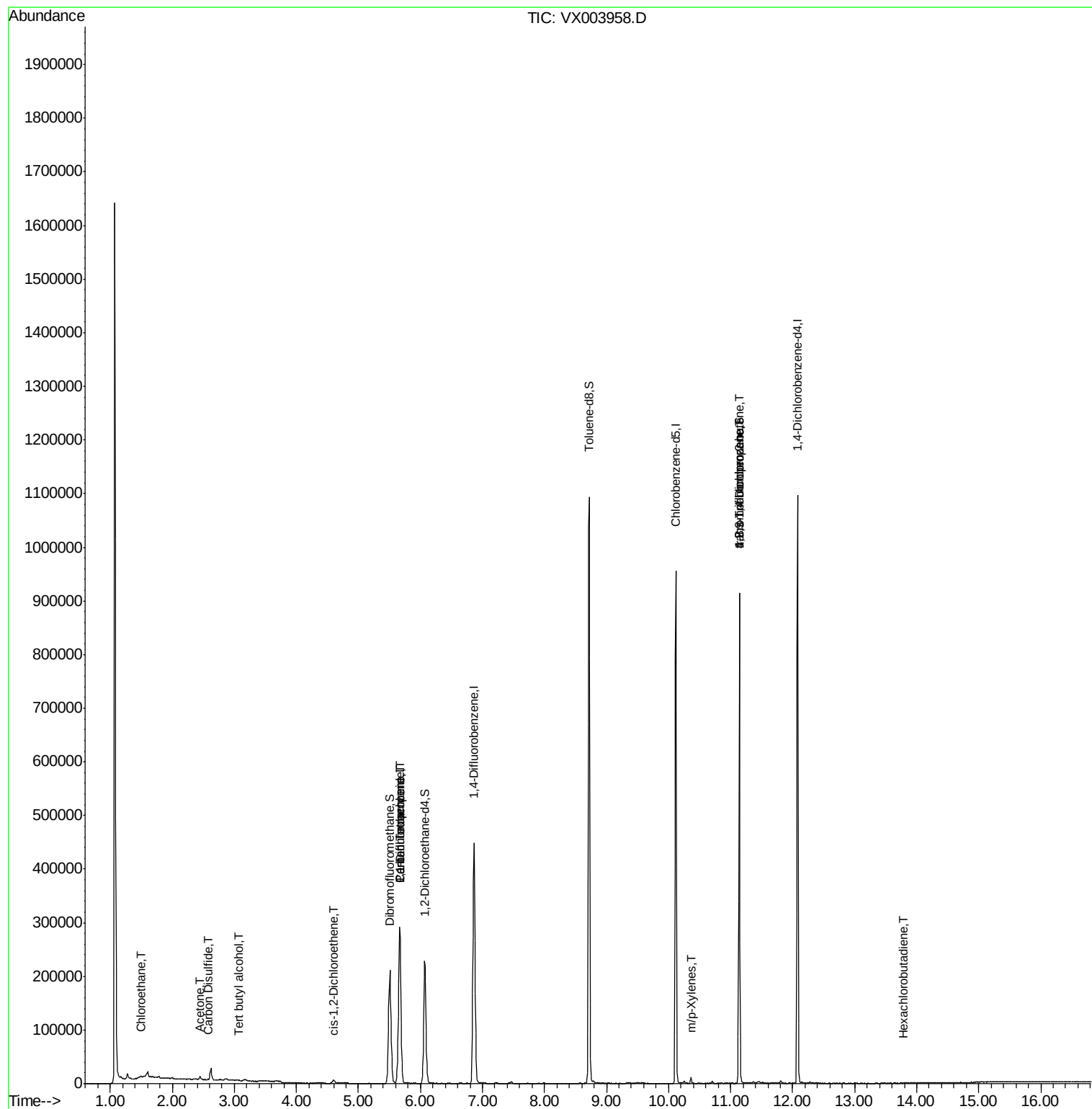
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	993	Below Cal	#	73
6) Chloroethane	1.50	64	6439	2.48	ug/l #	49
11) Tert butyl alcohol	3.07	59	292	0.31	ug/l #	87
13) Acrolein	2.29	56	82	Below Cal	#	74
16) Acetone	2.45	43	5930	2.55	ug/l	99
17) Carbon Disulfide	2.57	76	956	0.54	ug/l #	91
20) Methylene Chloride	2.85	84	845	Below Cal	#	83
27) cis-1,2-Dichloroethene	4.60	96	3577	0.92	ug/l	91
36) 1,1-Dichloropropene	5.67	75	19297	3.70	ug/l #	49
38) Carbon Tetrachloride	5.66	117	25696	5.18	ug/l #	16
68) m/p-Xylenes	10.36	106	2544	0.35	ug/l	96
76) 1,2,3-Trichloropropane	11.14	75	110417	21.03	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	110417	56.88	ug/l #	9
88) 1,4-Dichlorobenzene	12.10	146	357	Below Cal	#	1
94) Hexachlorobutadiene	13.79	225	74	0.46	ug/l #	59

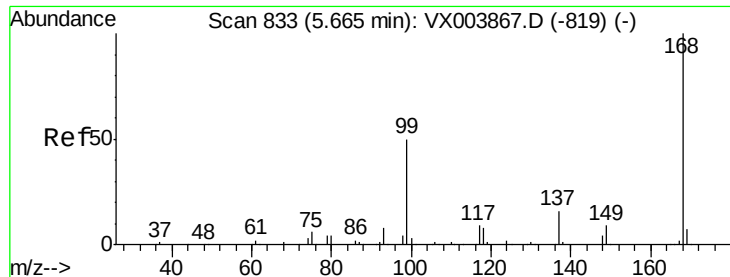
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX080918\
Data File : VX003958.D
Acq On : 09 Aug 2018 18:37
Operator : JC/MD
Sample : J4379-15
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-104I

Quant Time: Aug 10 01:05:56 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
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: VX003958.D

Acq: 09 Aug 2018 18:37

Instrument :

MSVOA_X

ClientSampleId :

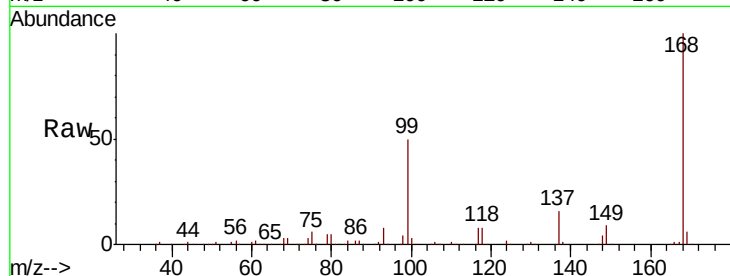
MW-104I

Tot Ion:168 Resp: 294828

Ion Ratio Lower Upper

168 100

99 50.1 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

60000

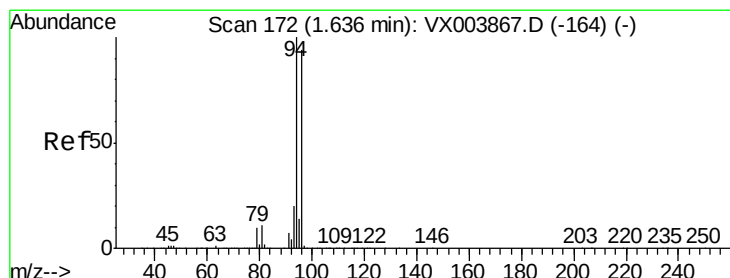
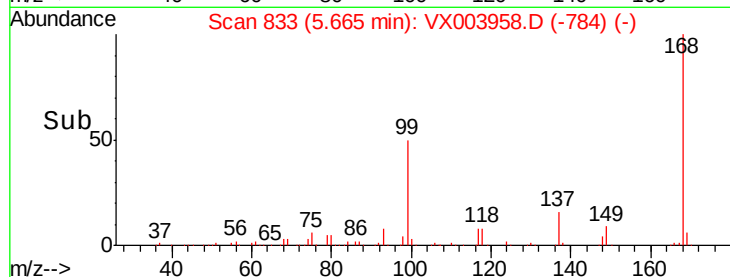
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003958.D

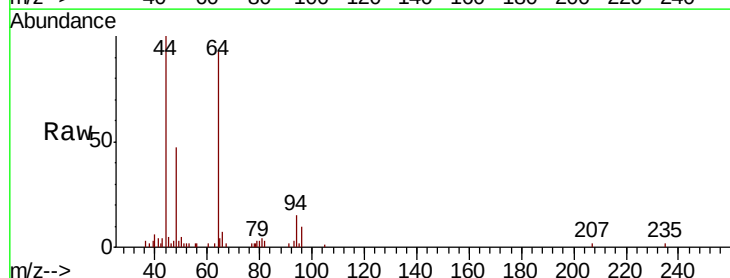
Acq: 09 Aug 2018 18:37

Tgt Ion: 94 Resp: 993

Ion Ratio Lower Upper

94 100

96 67.8 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

600

500

400

300

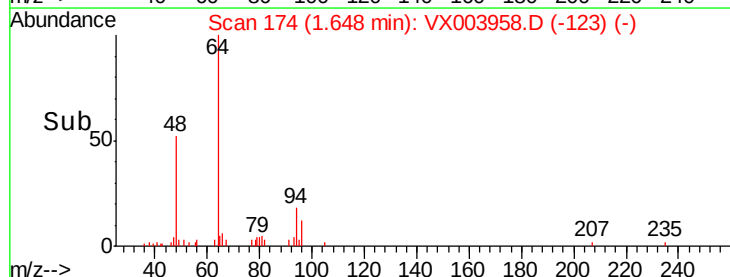
200

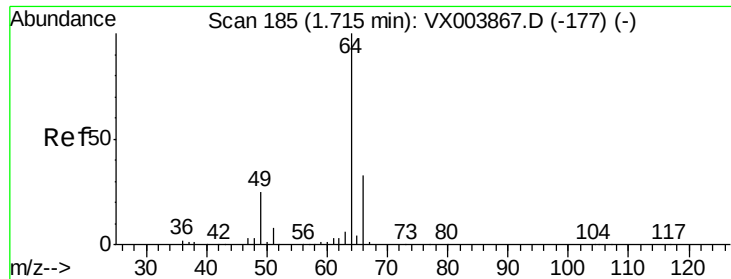
100

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: 2.48 ug/l

RT: 1.50 min Scan# 150

Delta R.T. -0.21 min

Lab File: VX003958.D

Acq: 09 Aug 2018 18:37

Instrument :

MSVOA_X

ClientSampleId :

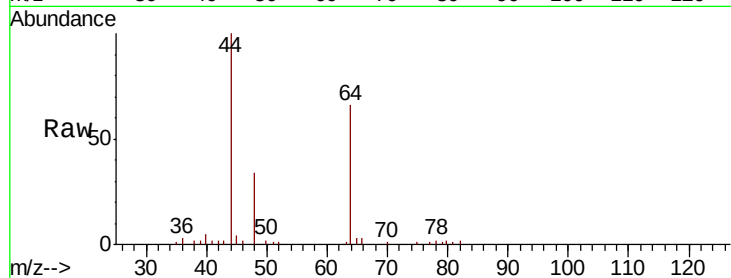
MW-104I

Tot Ion: 64 Resp: 6439

Ion Ratio Lower Upper

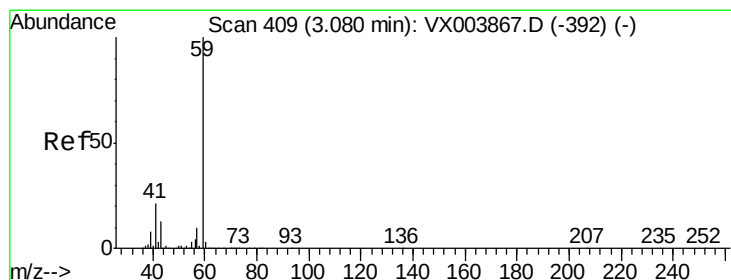
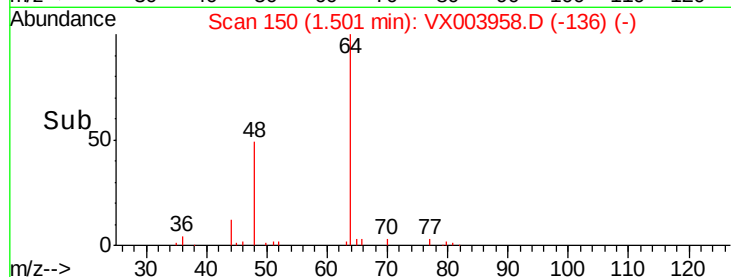
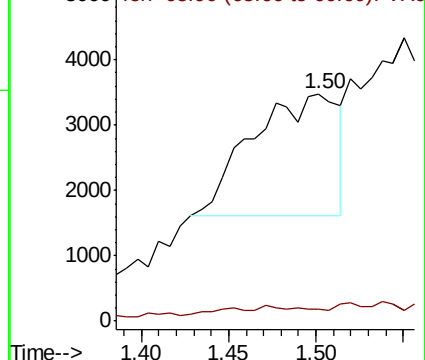
64 100

66 4.3 26.5 39.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 0.31 ug/l

RT: 3.07 min Scan# 408

Delta R.T. -0.01 min

Lab File: VX003958.D

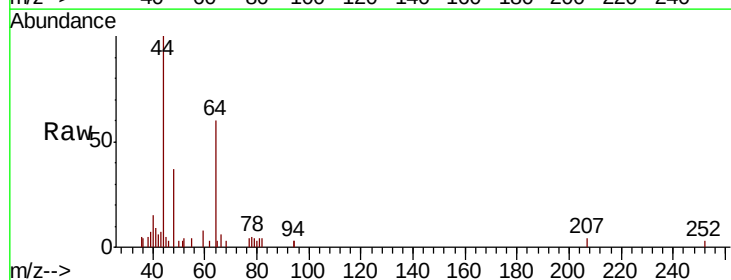
Acq: 09 Aug 2018 18:37

Tgt Ion: 59 Resp: 292

Ion Ratio Lower Upper

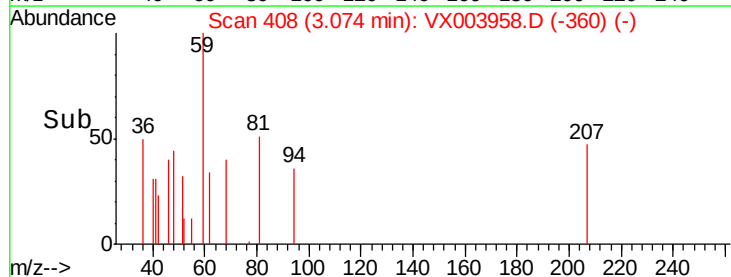
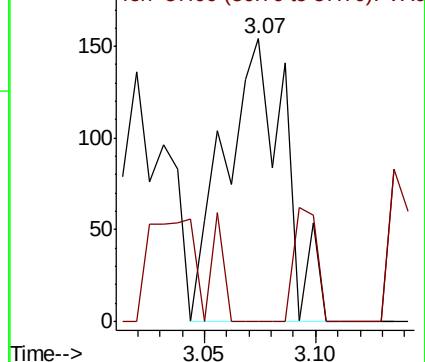
59 100

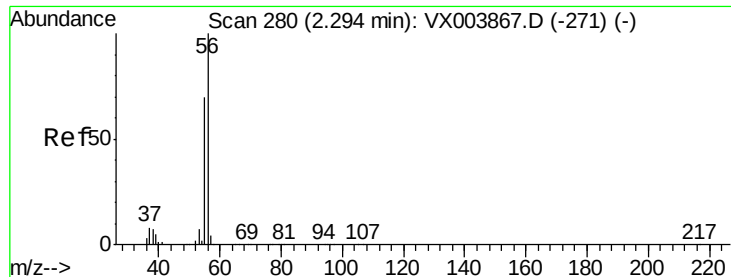
57 15.1 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003958.D

Acq: 09 Aug 2018 18:37

Instrument :

MSVOA_X

ClientSampleId :

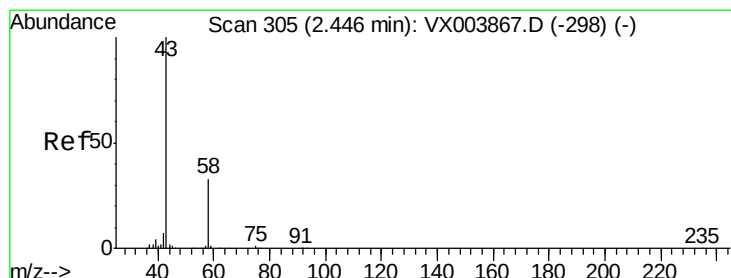
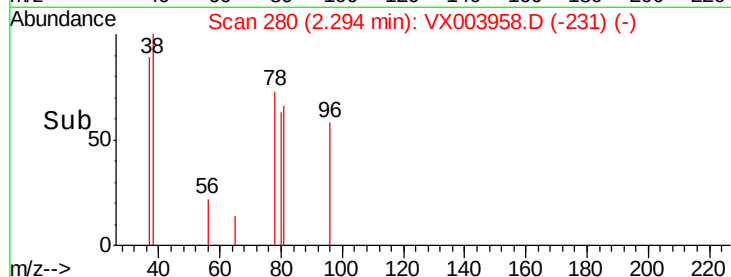
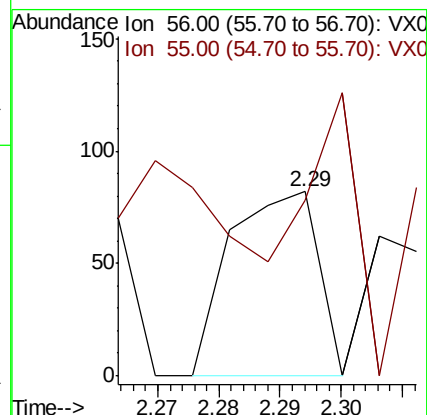
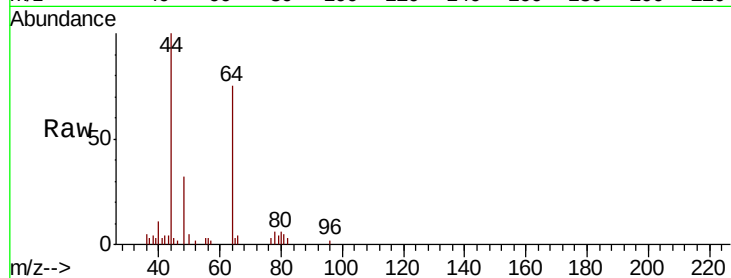
MW-104I

Tot Ion: 56 Resp: 82

Ion Ratio Lower Upper

56 100

55 91.5 56.1 84.1#



#16

Acetone

Concen: 2.55 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003958.D

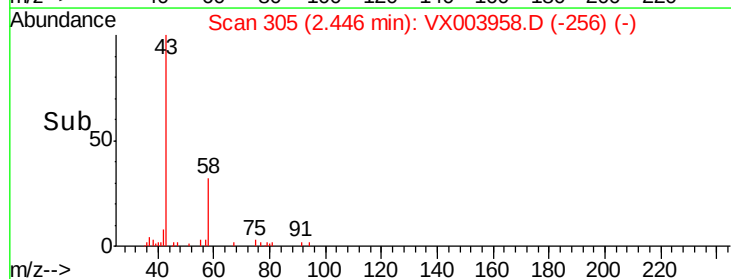
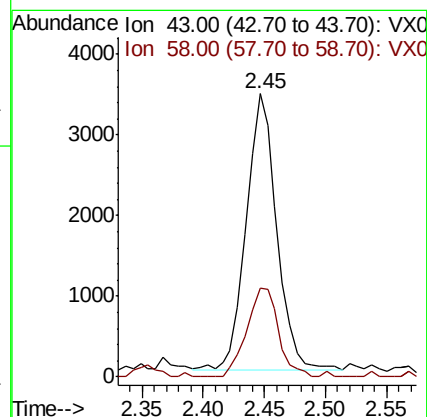
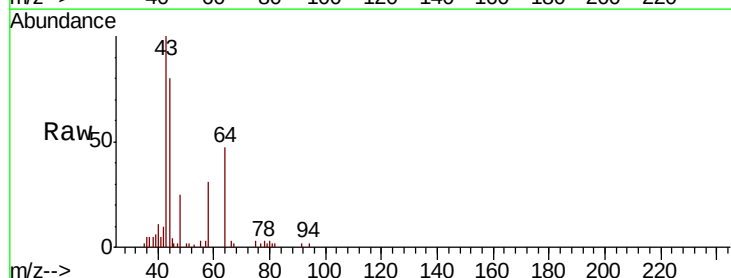
Acq: 09 Aug 2018 18:37

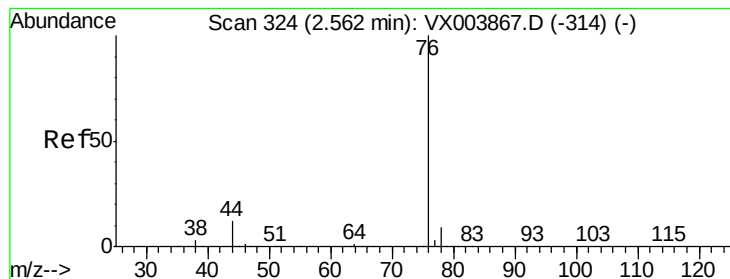
Tgt Ion: 43 Resp: 5930

Ion Ratio Lower Upper

43 100

58 32.2 26.4 39.6





#17

Carbon Disulfide

Concen: 0.54 ua/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003958.D

Acq: 09 Aug 2018 18:37

Instrument :

MSVOA_X

ClientSampleId :

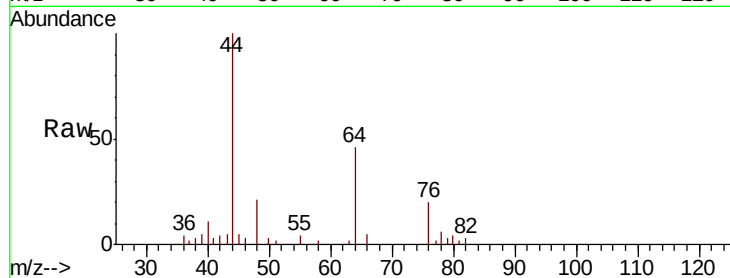
MW-104I

Tot Ion: 76 Resp: 956

Ion Ratio Lower Upper

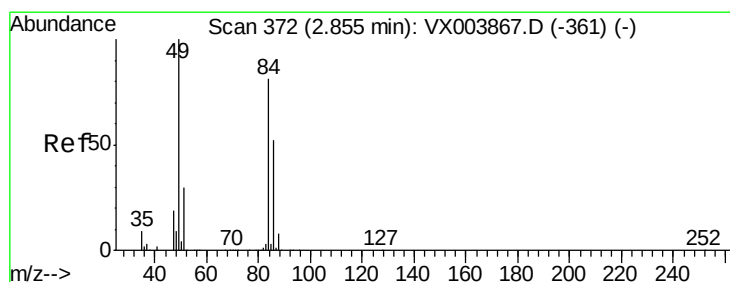
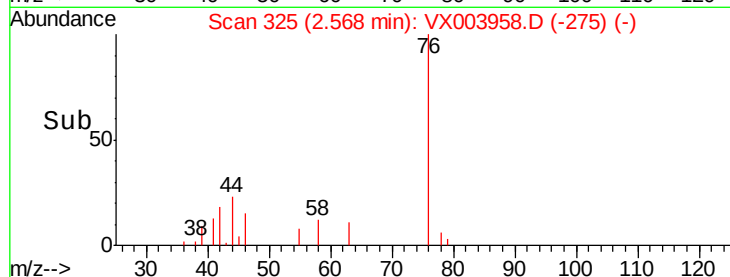
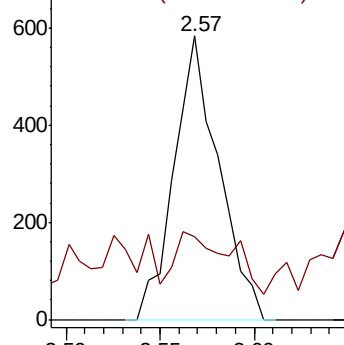
76 100

78 12.9 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX003958.D

Acq: 09 Aug 2018 18:37

Tgt Ion: 84 Resp: 845

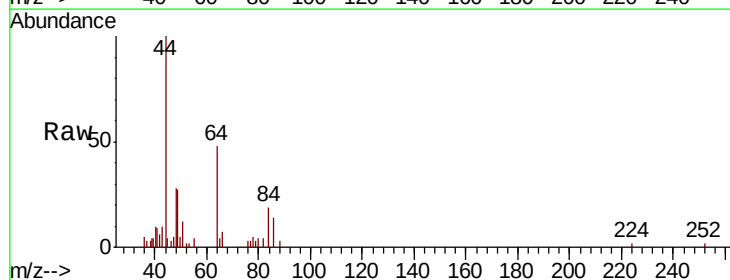
Ion Ratio Lower Upper

84 100

49 145.9 98.9 148.3

51 48.1 29.9 44.9#

86 73.7 51.0 76.6

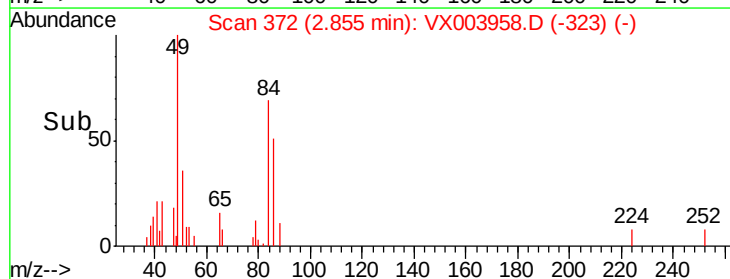
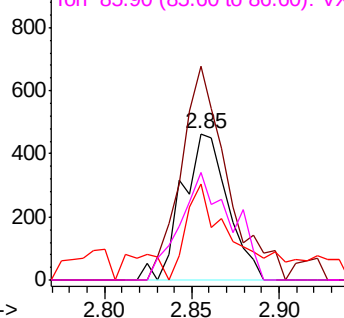


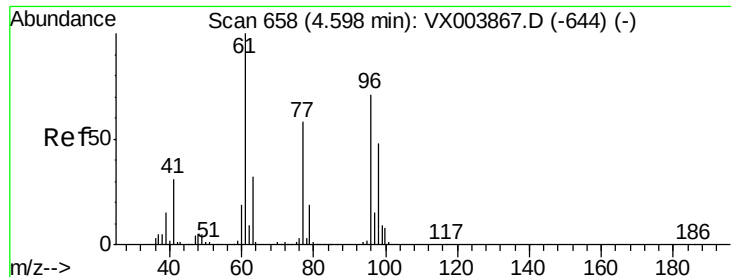
Abundance Ion 83.90 (83.60 to 84.60): VX0

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





#27

cis-1,2-Dichloroethene

Concen: 0.92 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX003958.D

Acq: 09 Aug 2018 18:37

Instrument :

MSVOA_X

ClientSampleId :

MW-104I

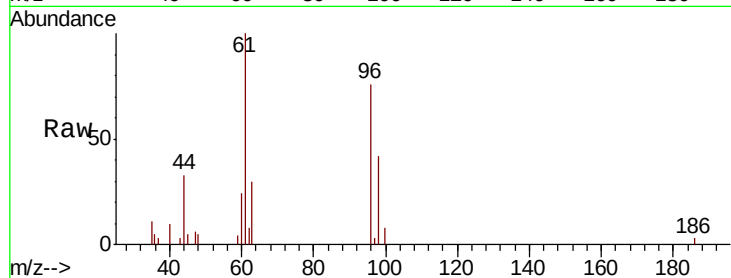
Tot Ion: 96 Resp: 3577

Ion Ratio Lower Upper

96 100

61 161.3 0.0 293.0

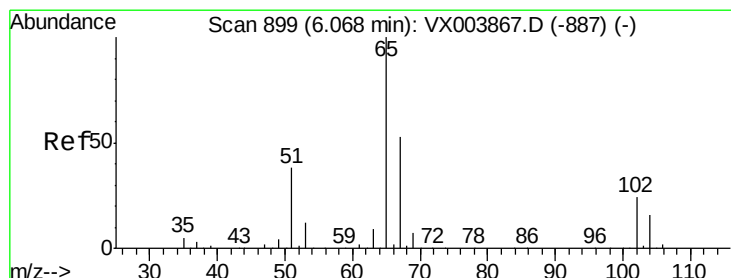
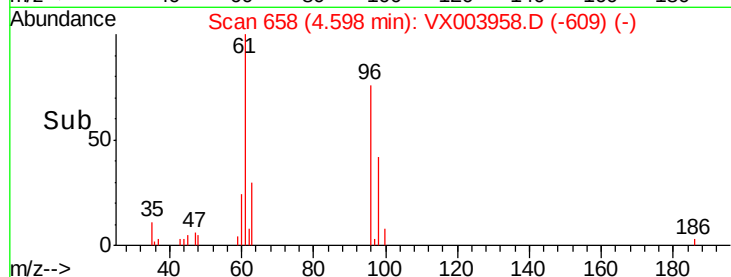
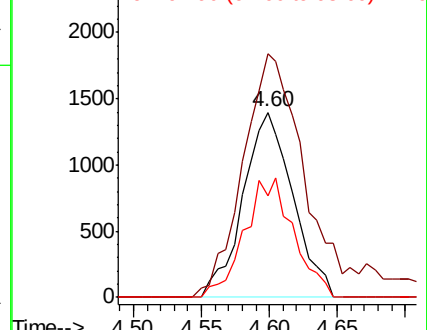
98 63.5 0.0 131.8



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



#33

1,2-Dichloroethane-d4

Concen: 52.56 ug/l

RT: 6.07 min Scan# 899

Delta R.T. 0.00 min

Lab File: VX003958.D

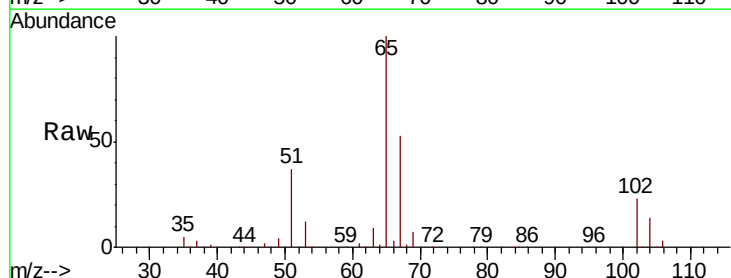
Acq: 09 Aug 2018 18:37

Tgt Ion: 65 Resp: 205424

Ion Ratio Lower Upper

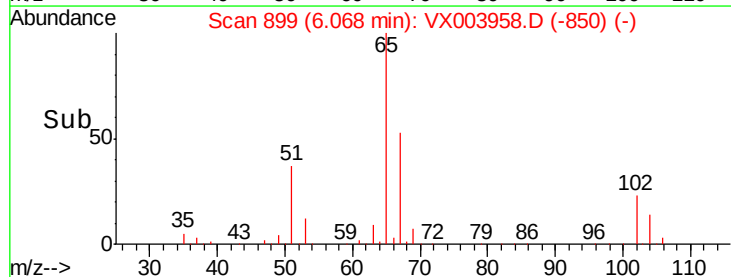
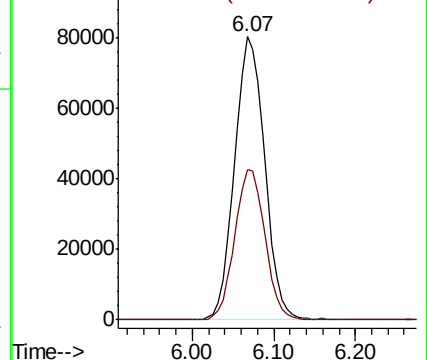
65 100

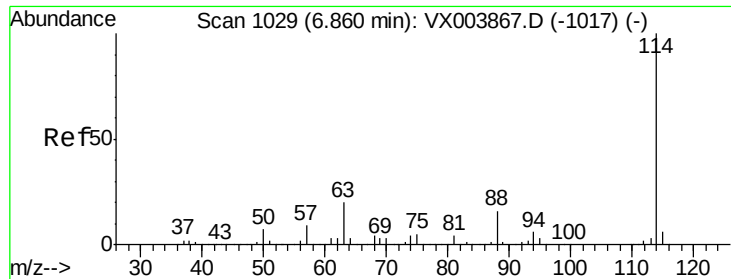
67 53.2 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

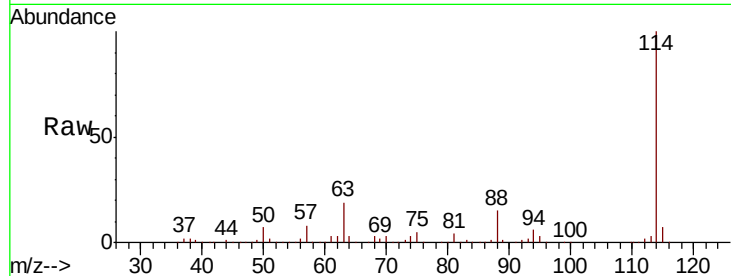




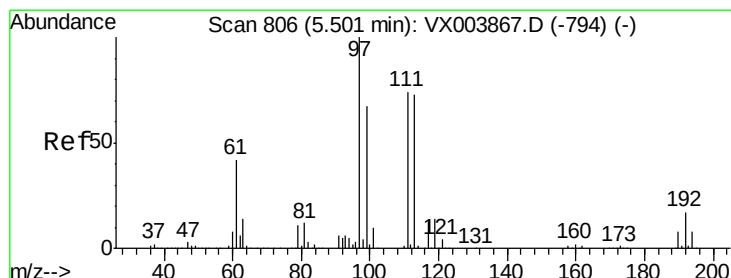
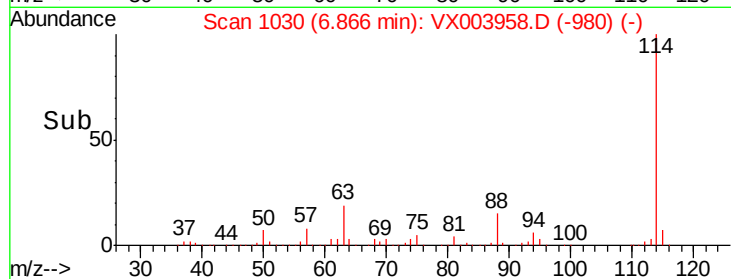
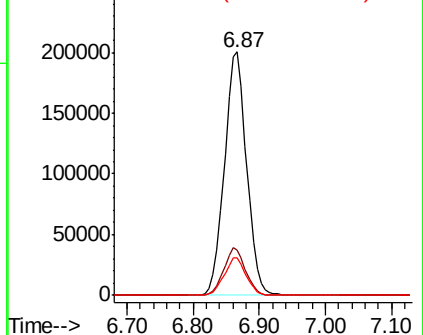
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.01 min
 Lab File: VX003958.D
 Acq: 09 Aug 2018 18:37

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-104I

Tot Ion:114 Resp: 465423
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 39.0
 88 15.3 0.0 32.0

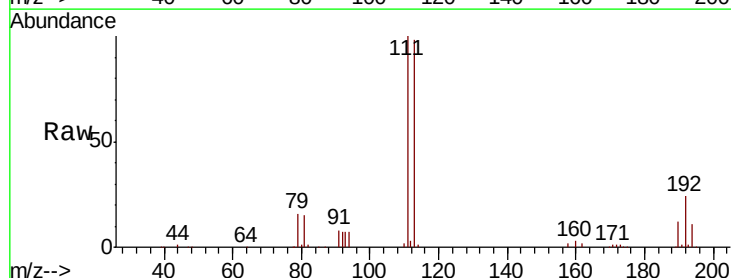


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

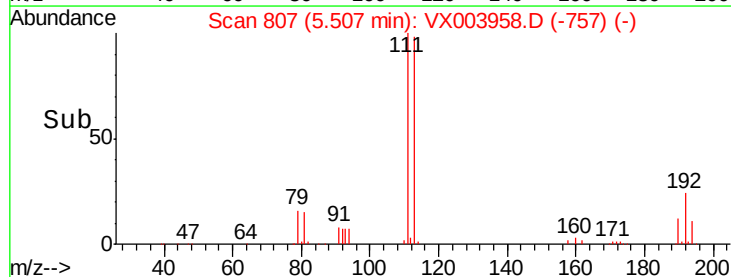
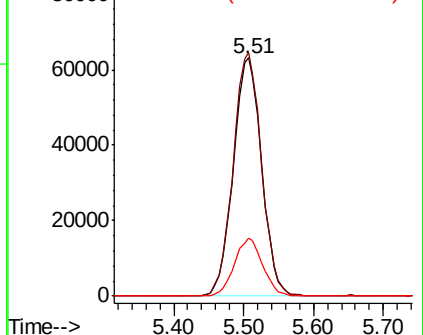


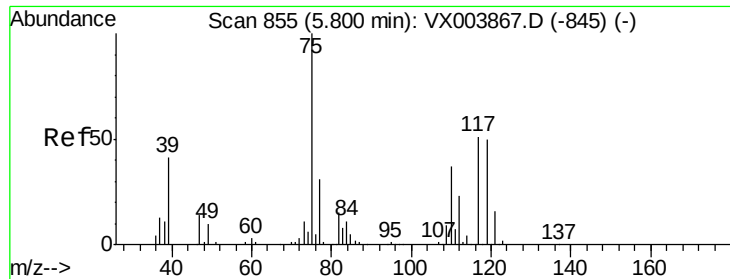
#35
 Dibromofluoromethane
 Concen: 50.38 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX003958.D
 Acq: 09 Aug 2018 18:37

Tgt Ion:113 Resp: 177635
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.0 123.0
 192 24.0 19.0 28.4



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

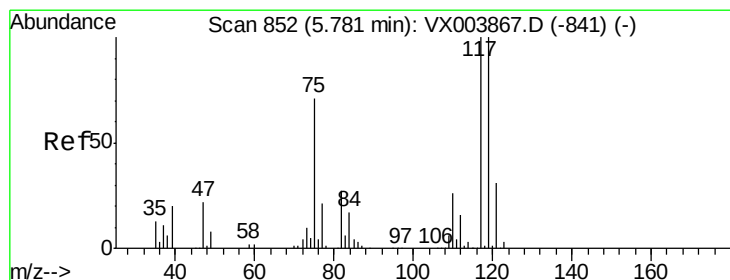
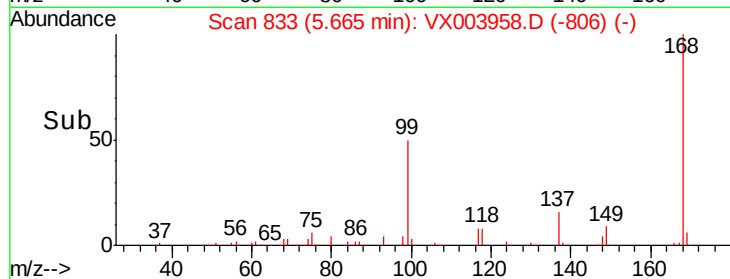
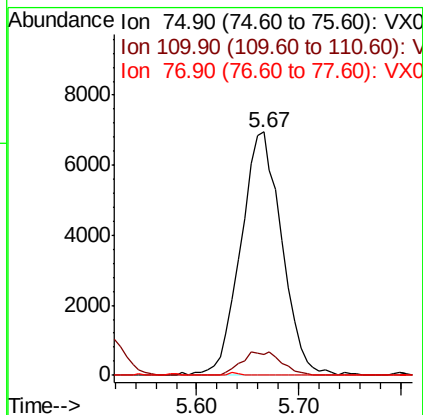
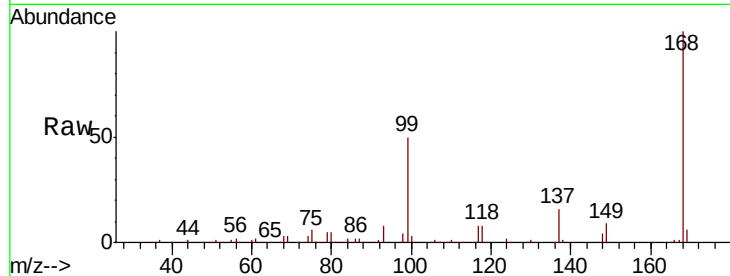




#36
 1,1-Dichloropropene
 Concen: 3.70 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003958.D
 Acq: 09 Aug 2018 18:37

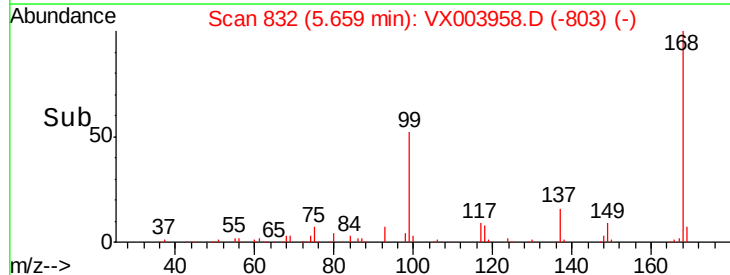
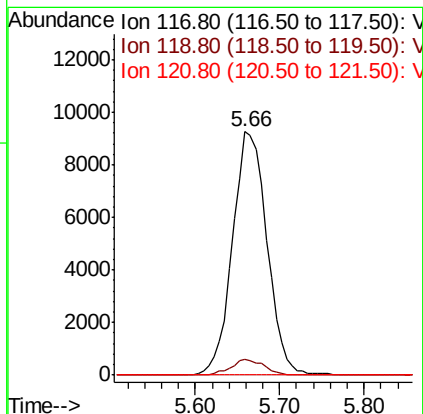
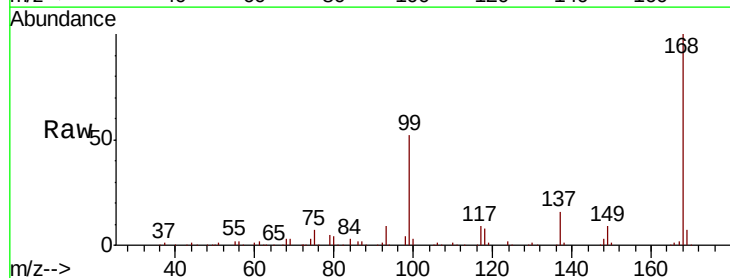
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-104I

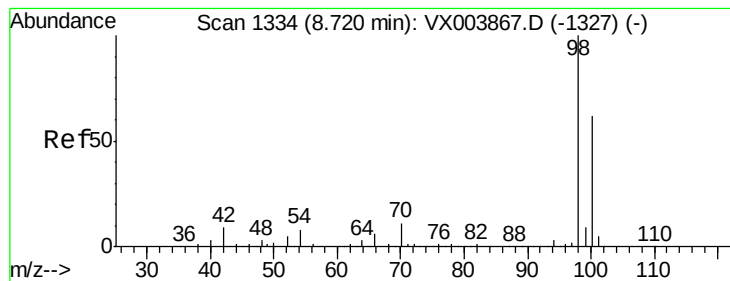
Tot Ion	75	Resp	19297
Ion Ratio	100	Lower	Upper
75	100		
110	9.4	18.2	54.6#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 5.18 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.12 min
 Lab File: VX003958.D
 Acq: 09 Aug 2018 18:37

Tgt Ion	117	Resp	25696
Ion Ratio	100	Lower	Upper
117	100		
119	6.6	79.5	119.3#
121	0.0	25.0	37.4#





#50

Toluene-d8

Concen: 47.47 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003958.D

Acq: 09 Aug 2018 18:37

Instrument :

MSVOA_X

ClientSampleId :

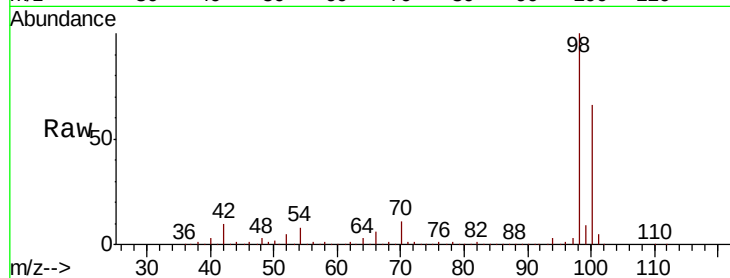
MW-104I

Tot Ion: 98 Resp: 650931

Ion Ratio Lower Upper

98 100

100 65.9 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.72

400000

300000

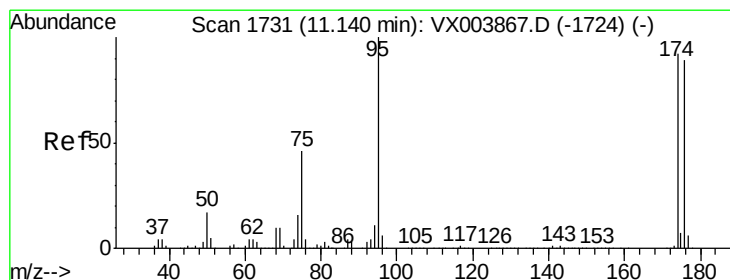
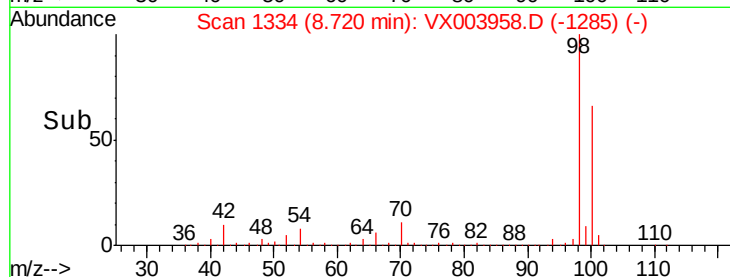
200000

100000

0

Time-->

8.60 8.70 8.80



#62

4-Bromofluorobenzene

Concen: 51.72 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003958.D

Acq: 09 Aug 2018 18:37

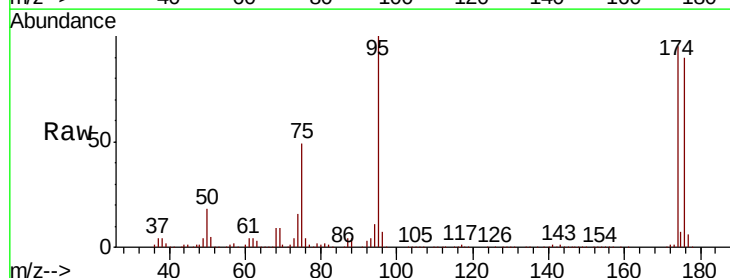
Tgt Ion: 95 Resp: 229472

Ion Ratio Lower Upper

95 100

174 92.0 0.0 182.8

176 87.8 0.0 179.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

150000

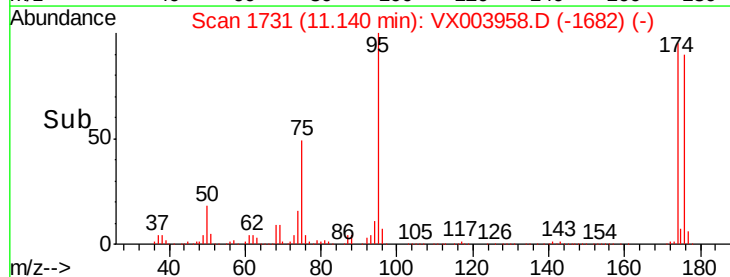
100000

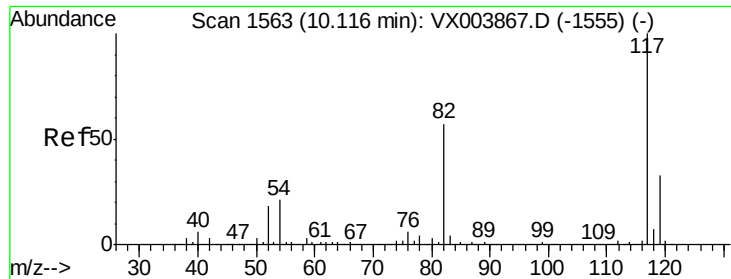
50000

0

Time-->

11.10 11.20

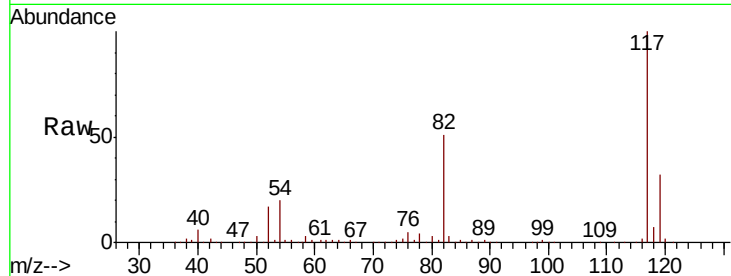




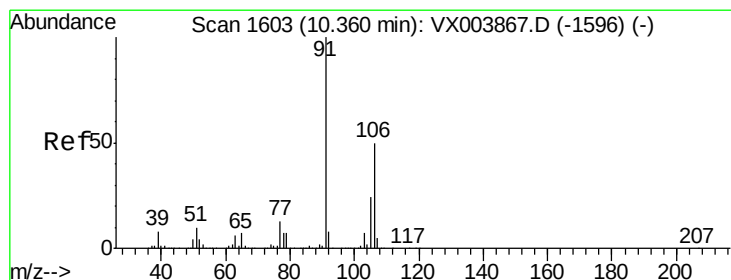
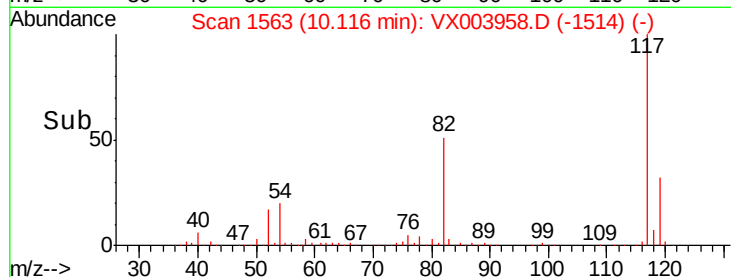
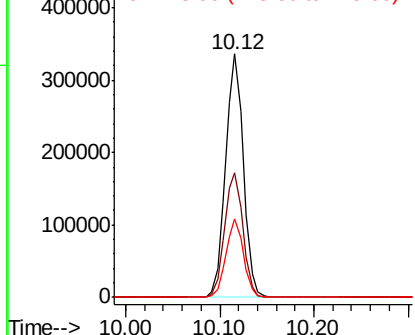
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003958.D
Acq: 09 Aug 2018 18:37

Instrument :
MSVOA_X
ClientSampleId :
MW-104I

Tot Ion:117 Resp: 439367
Ion Ratio Lower Upper
117 100
82 51.0 45.4 68.0
119 32.4 26.6 40.0

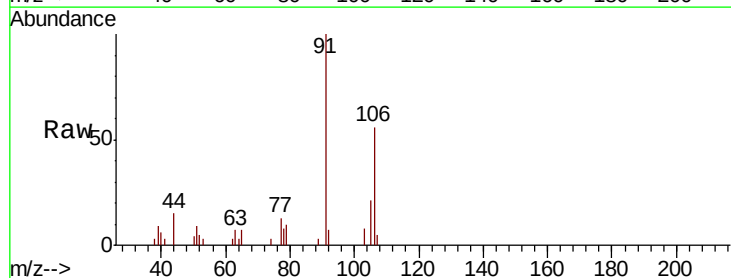


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

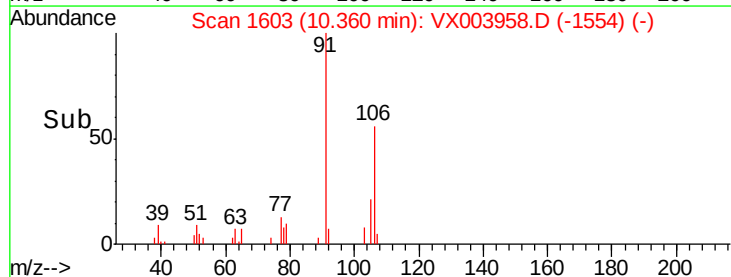
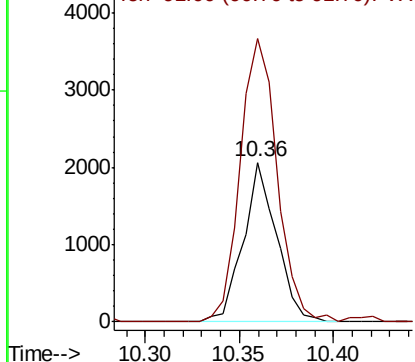


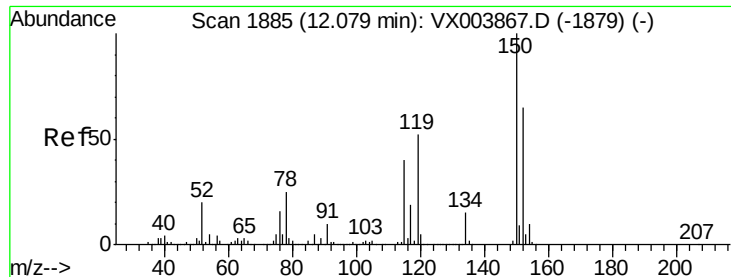
#68
m/p-Xylenes
Concen: 0.35 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003958.D
Acq: 09 Aug 2018 18:37

Tgt Ion:106 Resp: 2544
Ion Ratio Lower Upper
106 100
91 196.4 162.3 243.5



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003958.D

Acq: 09 Aug 2018 18:37

Instrument :

MSVOA_X

ClientSampleId :

MW-104I

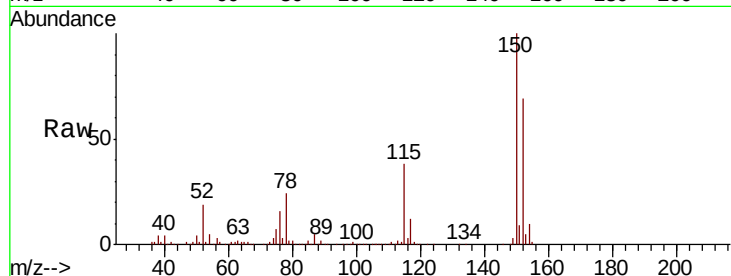
Tot Ion:152 Resp: 237741

Ion Ratio Lower Upper

152 100

115 54.2 39.1 117.3

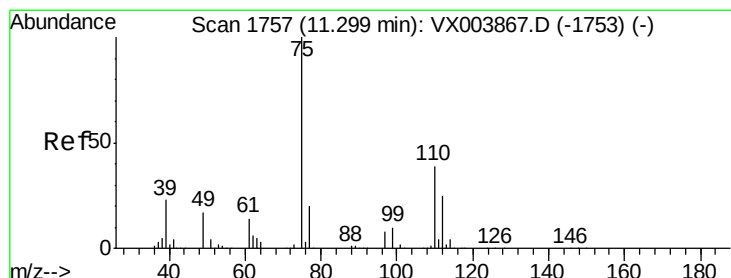
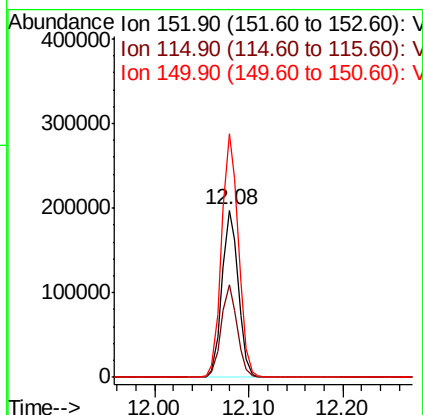
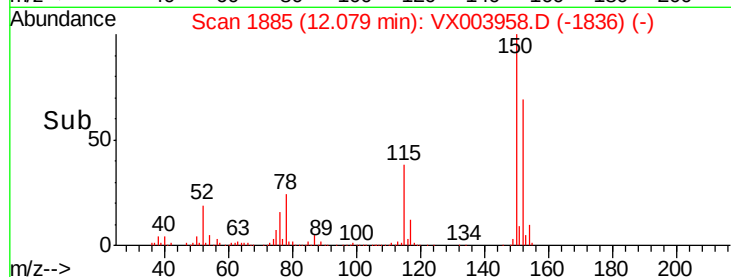
150 149.2 0.0 349.2



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: 21.03 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003958.D

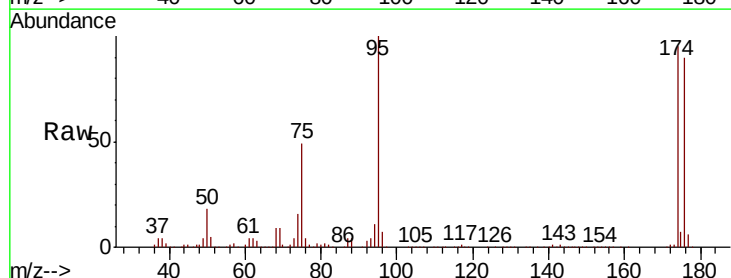
Acq: 09 Aug 2018 18:37

Tgt Ion: 75 Resp: 110417

Ion Ratio Lower Upper

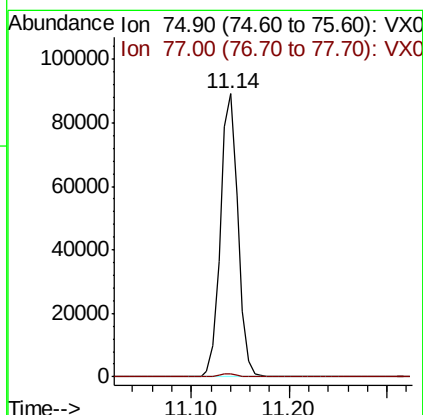
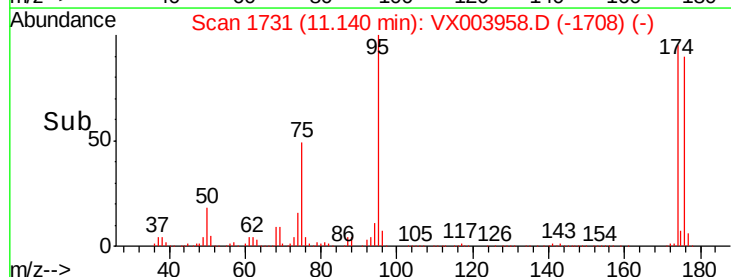
75 100

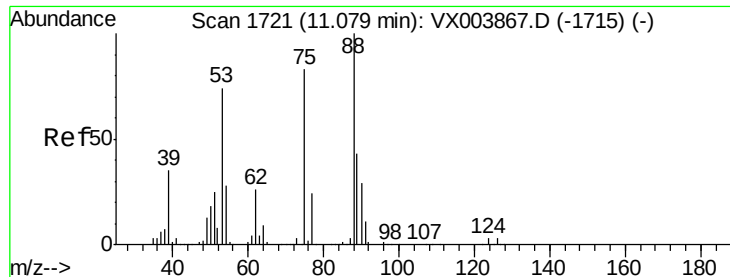
77 1.2 20.8 62.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

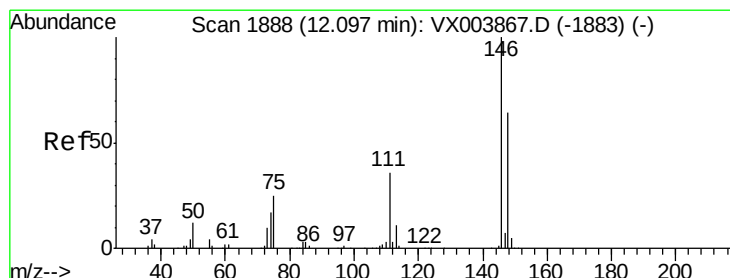
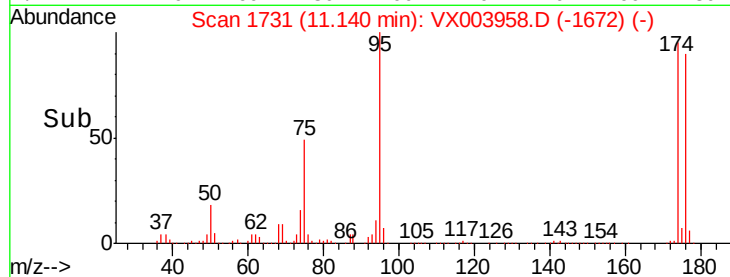
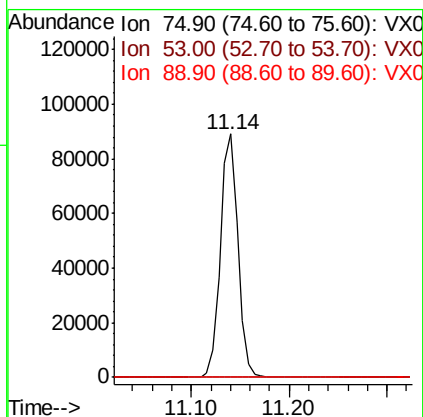
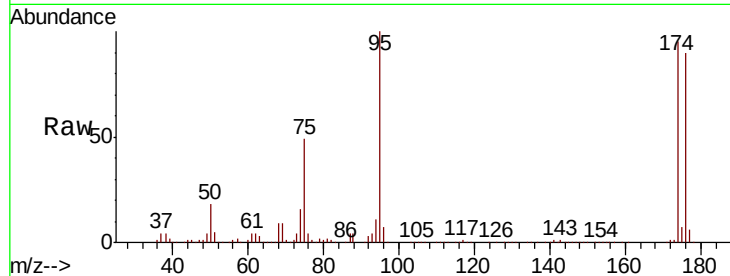




#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.88 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003958.D
 Acq: 09 Aug 2018 18:37

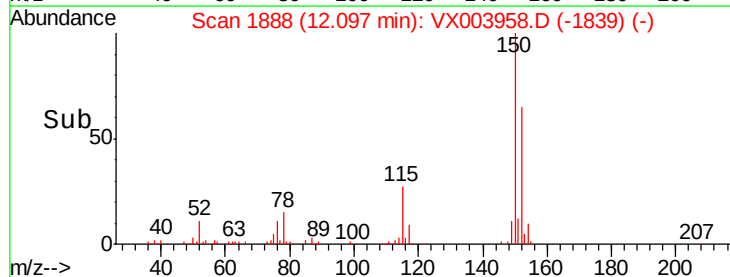
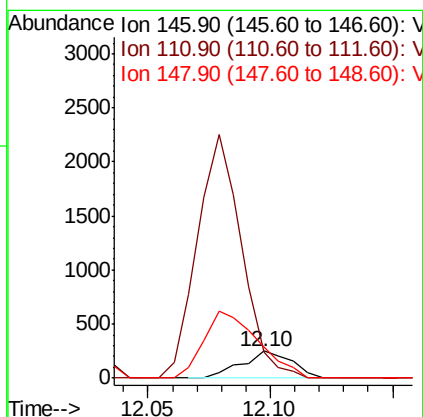
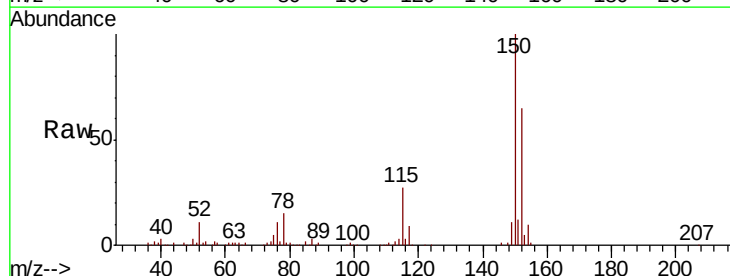
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-104I

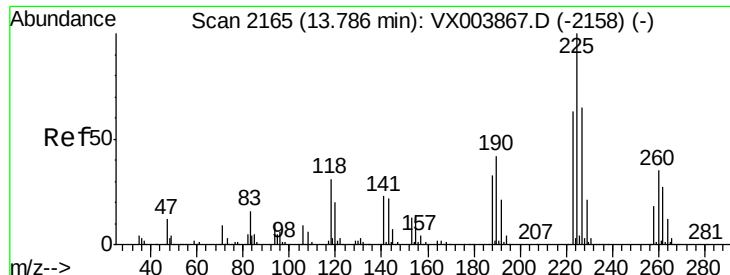
Tot Ion: 75 Resp: 110417
 Ion Ratio Lower Upper
 75 100
 53 0.2 80.3 120.5#
 89 0.0 37.8 56.8#



#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX003958.D
 Acq: 09 Aug 2018 18:37

Tgt Ion: 146 Resp: 357
 Ion Ratio Lower Upper
 146 100
 111 798.3 18.4 55.0#
 148 266.1 32.3 96.8#





#94

Hexachlorobutadiene

Concen: 0.46 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VX003958.D

Acq: 09 Aug 2018 18:37

Instrument :

MSVOA_X

ClientSampleId :

MW-104I

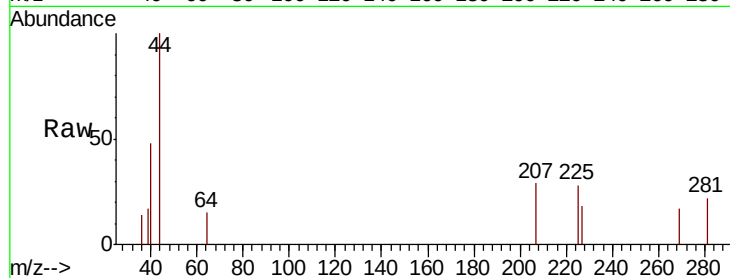
Tot Ion: 225 Resp: 74

Ion Ratio Lower Upper

225 100

223 0.0 31.4 94.0#

227 63.5 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

