

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080818\
 Data File : VX003917.D
 Acq On : 08 Aug 2018 12:18
 Operator : JC/MD
 Sample : VX0808WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0808WBL01

Quant Time: Aug 09 03:11:03 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	312987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	484290	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	446093	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	240563	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	212591	51.24	ug/l	0.00
Spiked Amount			Recovery	=	102.48%	
35) Dibromofluoromethane	5.50	113	179259	48.86	ug/l	0.00
Spiked Amount			Recovery	=	97.72%	
50) Toluene-d8	8.71	98	683739	47.92	ug/l	0.00
Spiked Amount			Recovery	=	95.84%	
62) 4-Bromofluorobenzene	11.14	95	231895	50.23	ug/l	0.00
Spiked Amount			Recovery	=	100.46%	

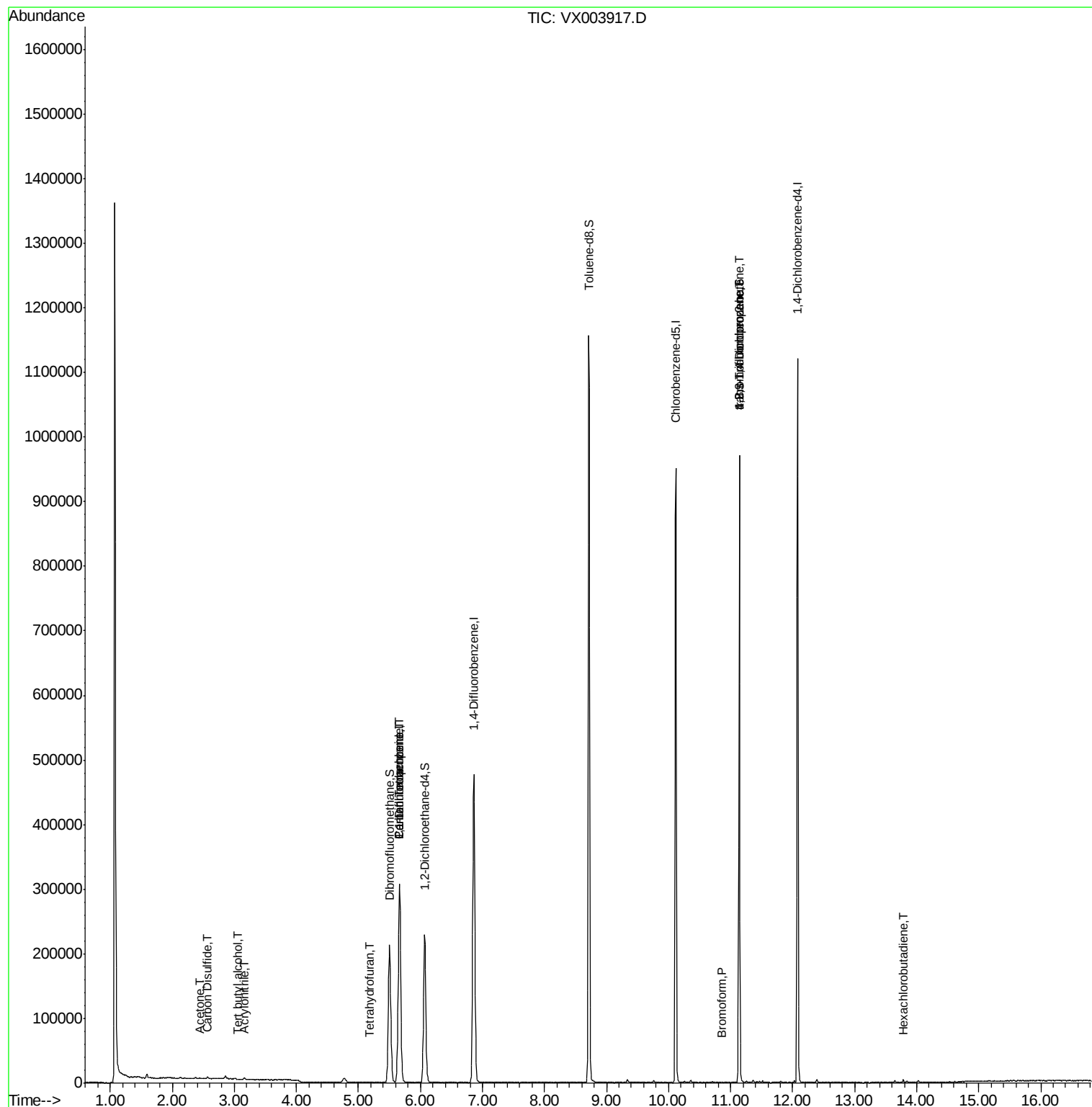
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	678	Below Cal		90
11) Tert butyl alcohol	3.06	59	253	0.25 ug/l	#	73
13) Acrolein	2.29	56	395	Below Cal		93
15) Acrylonitrile	3.15	53	938	0.39 ug/l	#	56
16) Acetone	2.44	43	872	0.35 ug/l	#	84
17) Carbon Disulfide	2.57	76	3392	0.79 ug/l	#	91
20) Methylene Chloride	2.86	84	2194	Below Cal	#	90
29) Tetrahydrofuran	5.17	42	1083	0.57 ug/l	#	66
36) 1,1-Dichloropropene	5.66	75	20944	3.86 ug/l	#	49
38) Carbon Tetrachloride	5.66	117	27997	5.42 ug/l	#	15
71) Bromoform	10.86	173	82	2.94 ug/l	#	28
76) 1,2,3-Trichloropropane	11.14	75	112899	21.25 ug/l	#	36
81) trans-1,4-Dichloro-2-buten	11.14	75	112899	57.46 ug/l	#	9
88) 1,4-Dichlorobenzene	12.03	146	1078	Below Cal		97
94) Hexachlorobutadiene	13.79	225	781	0.71 ug/l		94

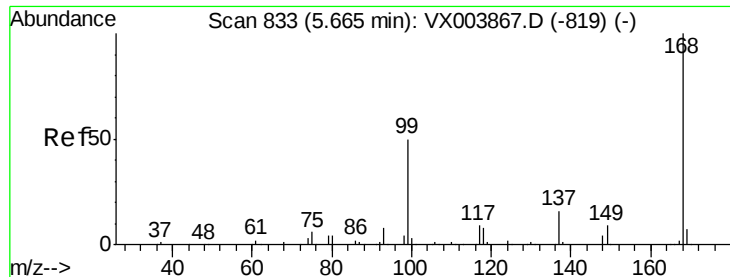
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX003917.D

Acq: 08 Aug 2018 12:18

Instrument :

MSVOA_X

ClientSampleId :

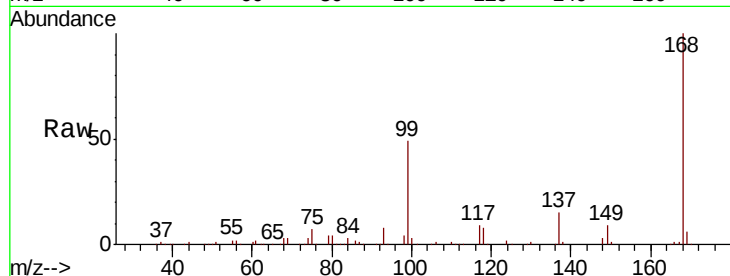
VX0808WBL01

Tot Ion:168 Resp: 312987

Ion Ratio Lower Upper

168 100

99 48.6 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

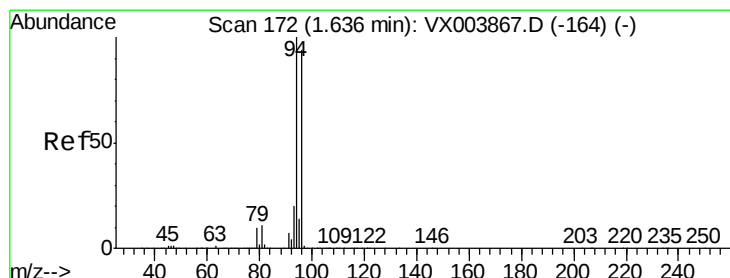
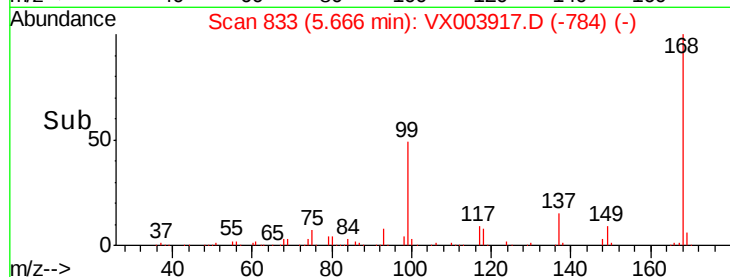
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX003917.D

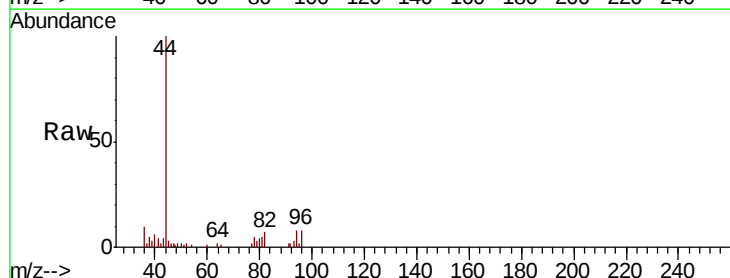
Acq: 08 Aug 2018 12:18

Tgt Ion: 94 Resp: 678

Ion Ratio Lower Upper

94 100

96 103.4 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

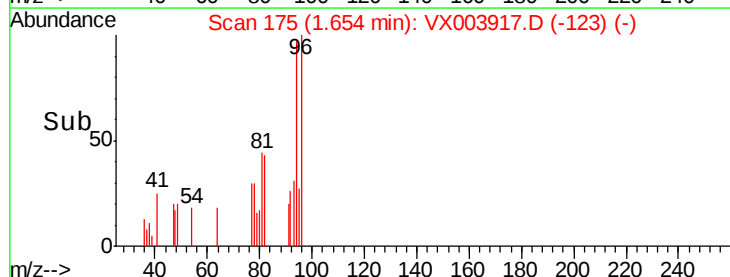
300

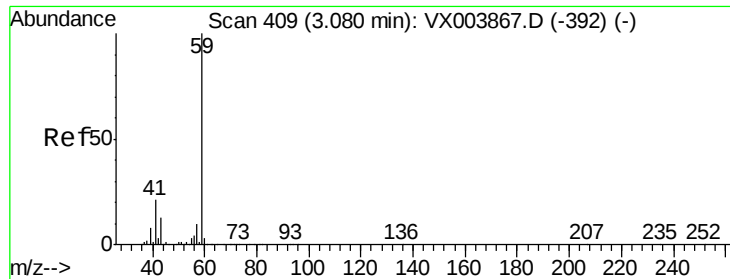
200

100

0

Time--> 1.60 1.65 1.70

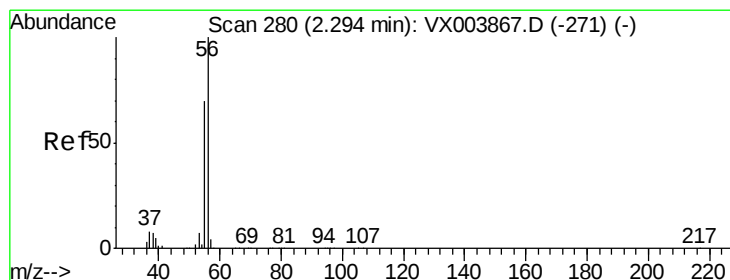
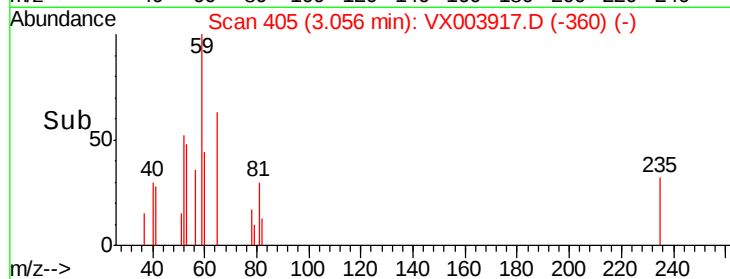
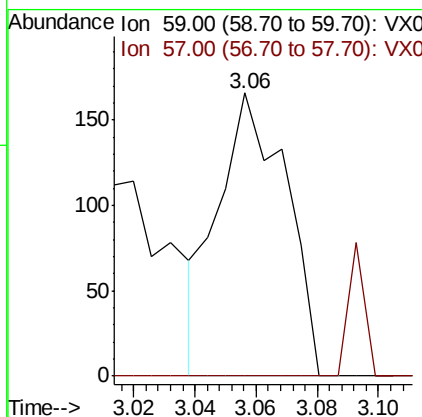
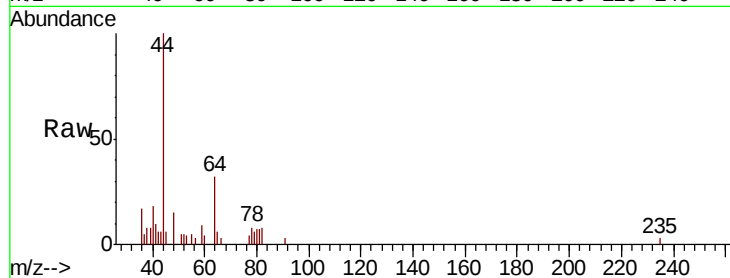




#11
Tert butyl alcohol
Concen: 0.25 ug/l
RT: 3.06 min Scan# 405
Delta R.T. -0.02 min
Lab File: VX003917.D
Acq: 08 Aug 2018 12:18

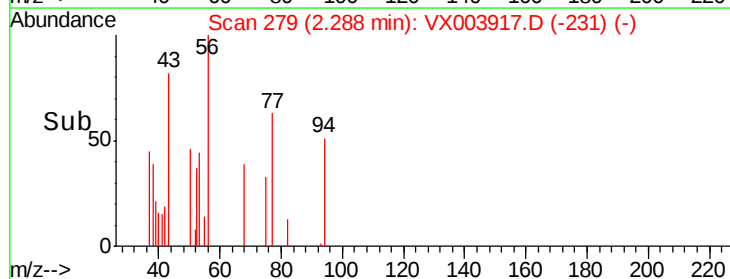
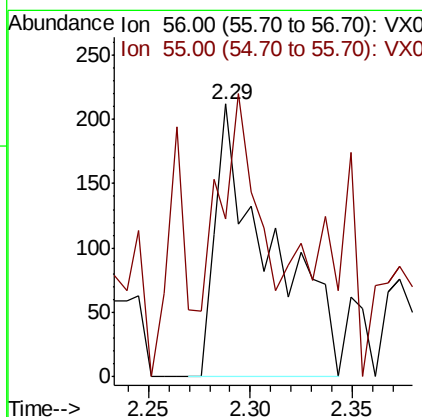
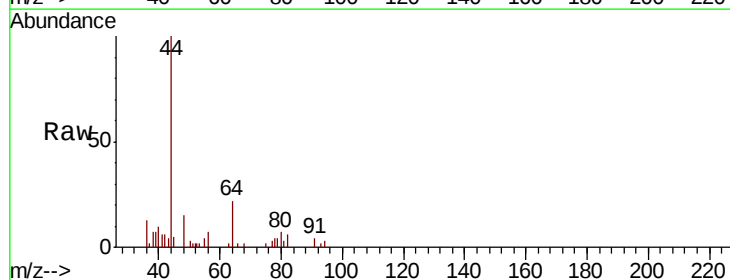
Instrument :
MSVOA_X
ClientSampleId :
VX0808WBL01

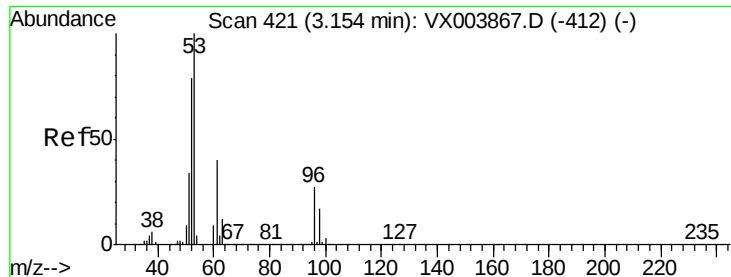
Tot Ion: 59 Resp: 253
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#13
Acrolein
Concen: Below Cal
RT: 2.29 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX003917.D
Acq: 08 Aug 2018 12:18

Tgt Ion: 56 Resp: 395
Ion Ratio Lower Upper
56 100
55 76.2 56.1 84.1





#15

Acrylonitrile

Concen: 0.39 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003917.D

Acq: 08 Aug 2018 12:18

Instrument :

MSVOA_X

ClientSampleId :

VX0808WBL01

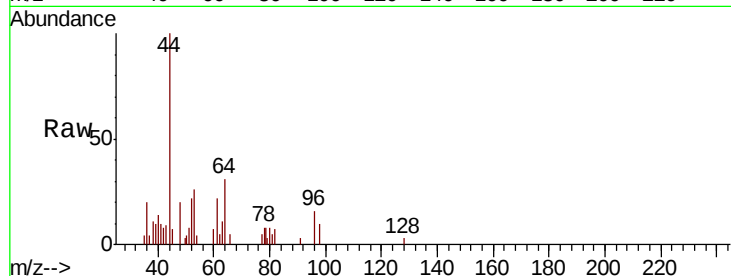
Tot Ion: 53 Resp: 938

Ion Ratio Lower Upper

53 100

52 112.7 65.3 97.9#

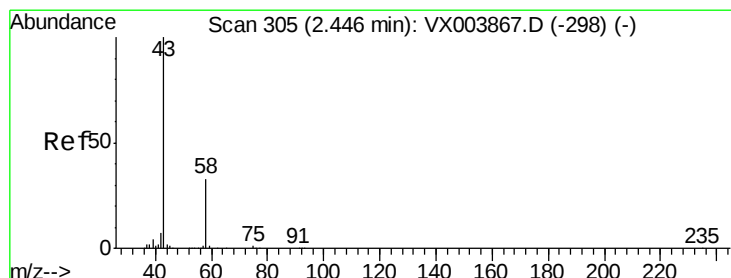
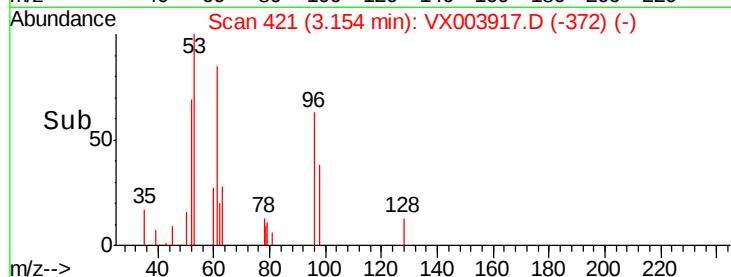
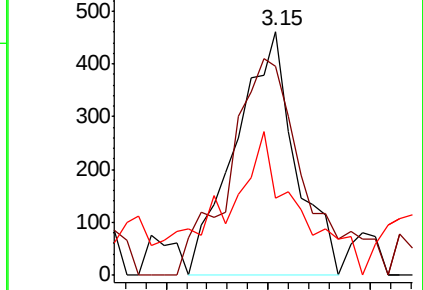
51 71.9 27.9 41.9#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.35 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.01 min

Lab File: VX003917.D

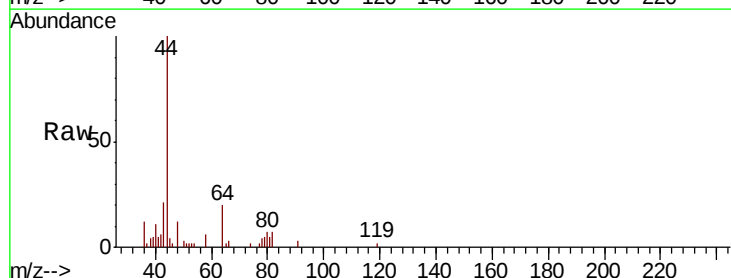
Acq: 08 Aug 2018 12:18

Tgt Ion: 43 Resp: 872

Ion Ratio Lower Upper

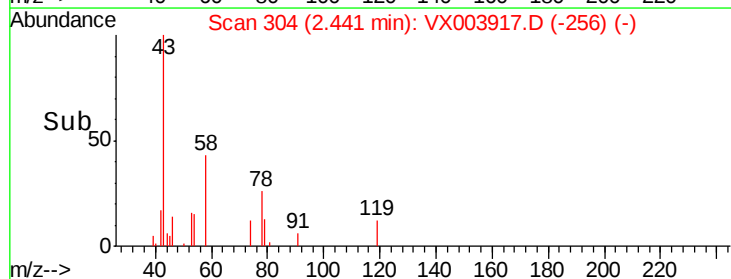
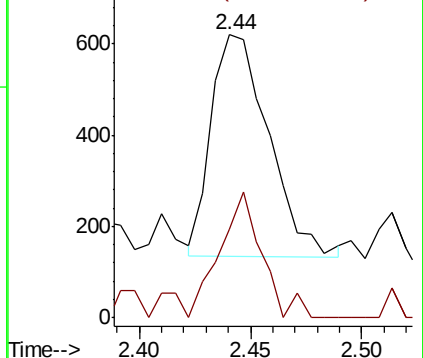
43 100

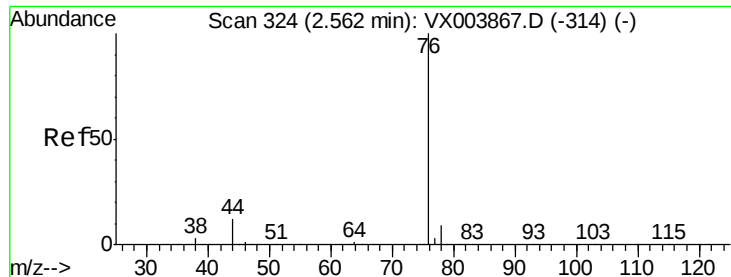
58 42.2 26.4 39.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.79 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003917.D

Acq: 08 Aug 2018 12:18

Instrument :

MSVOA_X

ClientSampleId :

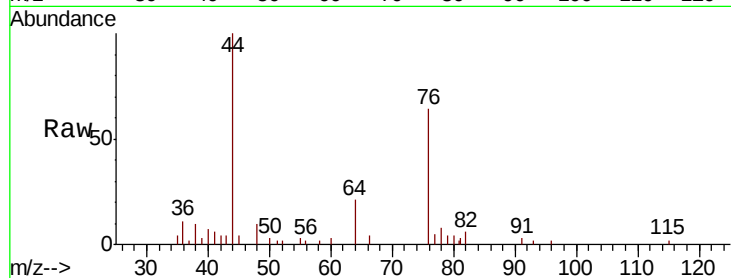
VX0808WBL01

Tot Ion: 76 Resp: 3392

Ion Ratio Lower Upper

76 100

78 6.0 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

2000

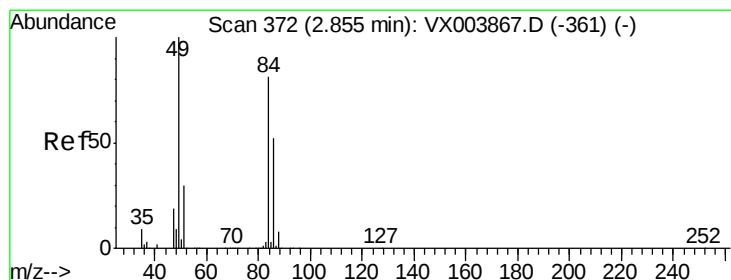
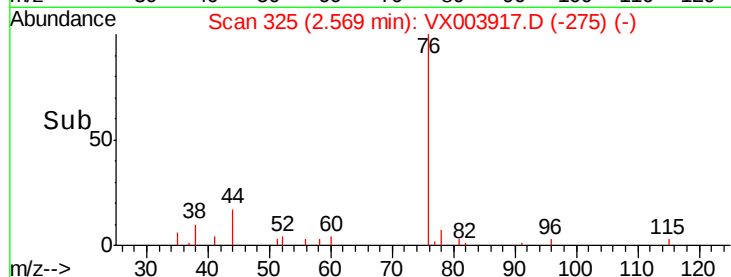
1500

1000

500

0

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX003917.D

Acq: 08 Aug 2018 12:18

Tgt Ion: 84 Resp: 2194

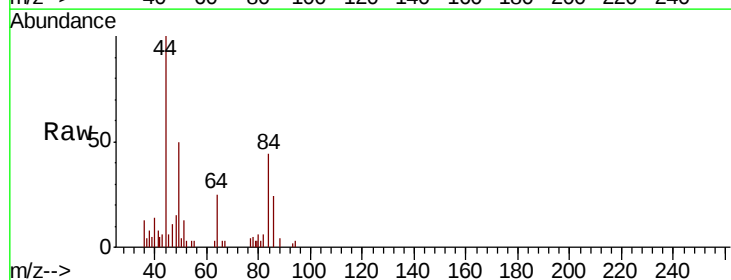
Ion Ratio Lower Upper

84 100

49 114.0 98.9 148.3

51 29.6 29.9 44.9#

86 55.0 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

2000

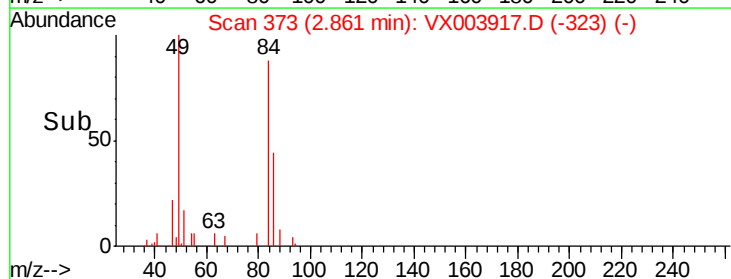
1500

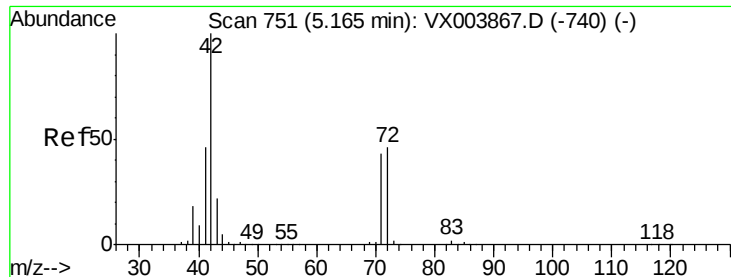
1000

500

0

Time-->

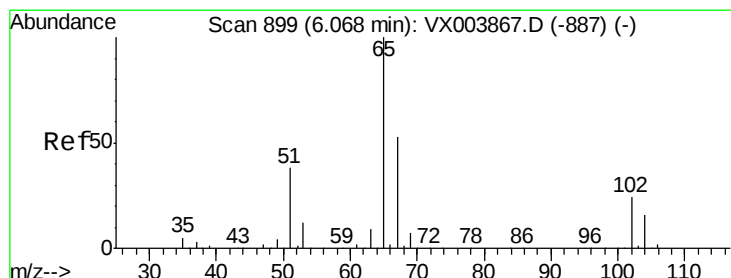
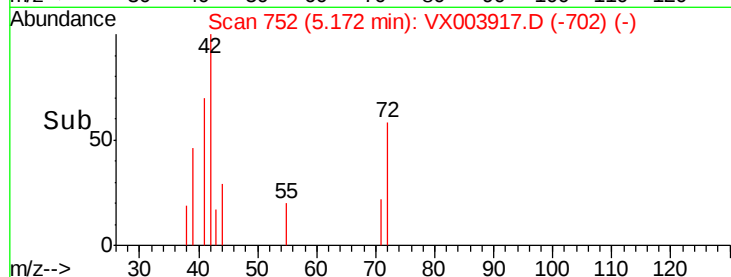
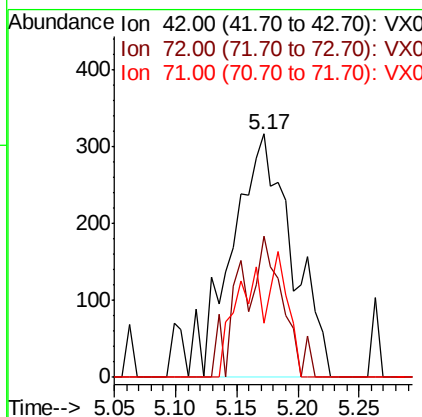
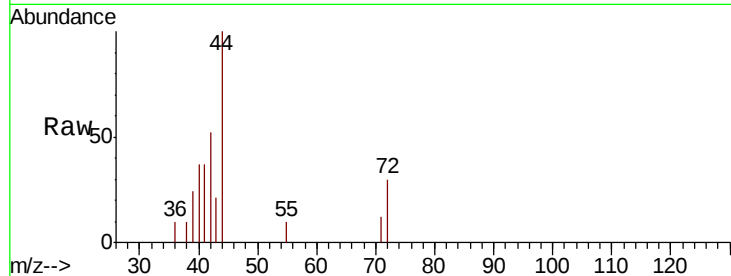




#29
Tetrahydrofuran
Concen: 0.57 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX003917.D
Acq: 08 Aug 2018 12:18

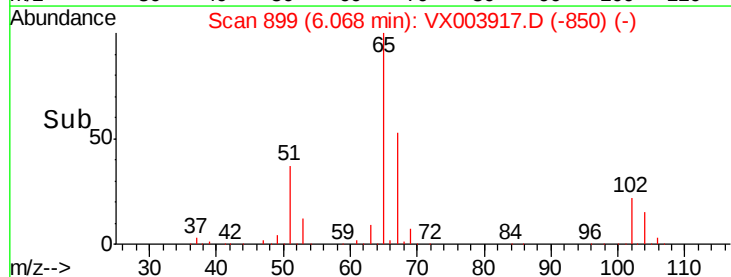
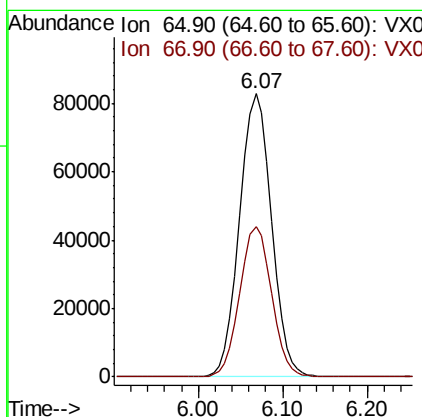
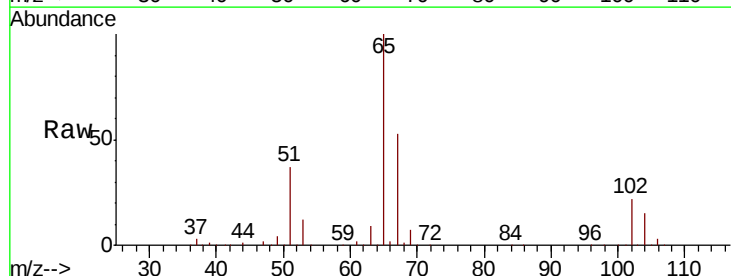
Instrument :
MSVOA_X
ClientSampleId :
VX0808WBL01

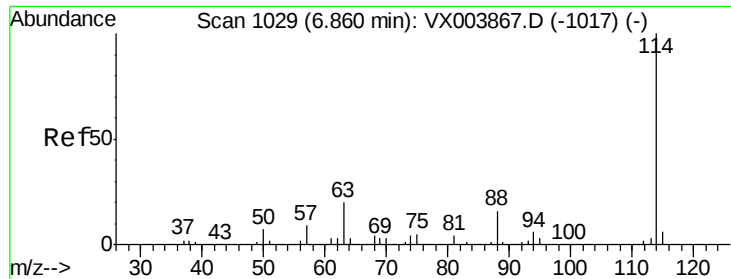
Tot Ion: 42 Resp: 1083
Ion Ratio Lower Upper
42 100
72 26.1 37.7 56.5#
71 19.9 35.0 52.6#



#33
1,2-Dichloroethane-d4
Concen: 51.24 ug/l
RT: 6.07 min Scan# 899
Delta R.T. 0.00 min
Lab File: VX003917.D
Acq: 08 Aug 2018 12:18

Tgt Ion: 65 Resp: 212591
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.8

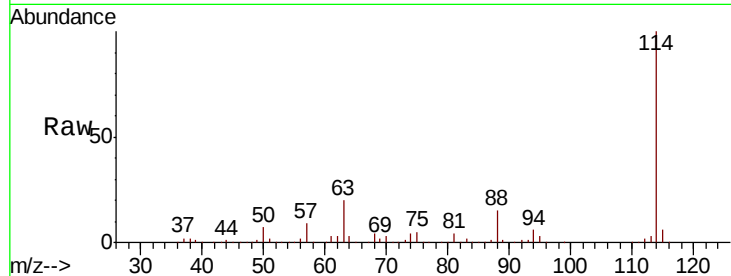




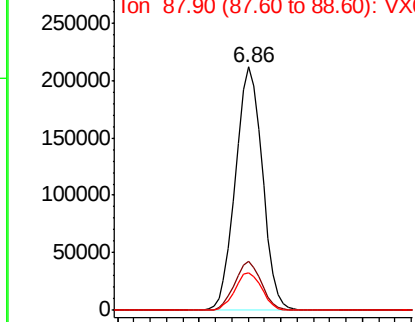
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: VX003917.D
 Acq: 08 Aug 2018 12:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0808WBL01

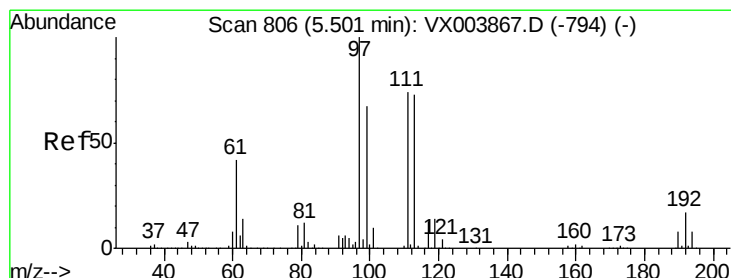
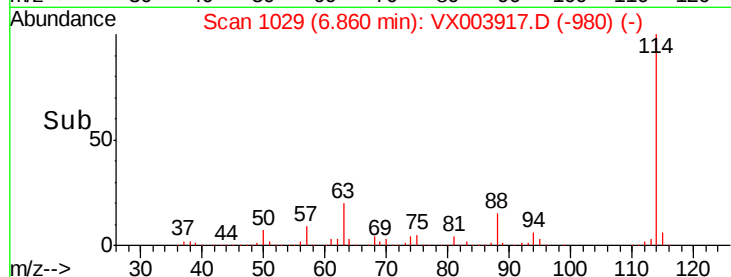
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	39.0
88	15.5	0.0	32.0



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

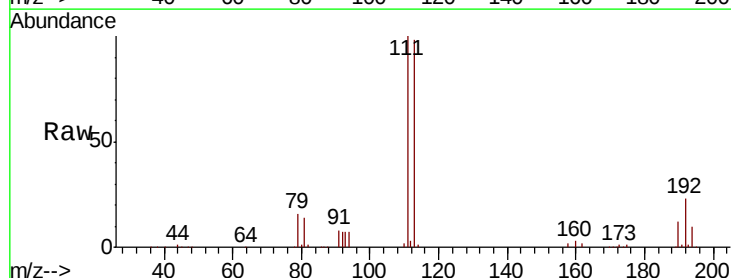


Time--> 6.70 6.80 6.90 7.00

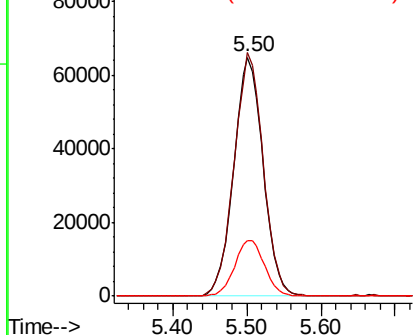


#35
 Dibromofluoromethane
 Concen: 48.86 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX003917.D
 Acq: 08 Aug 2018 12:18

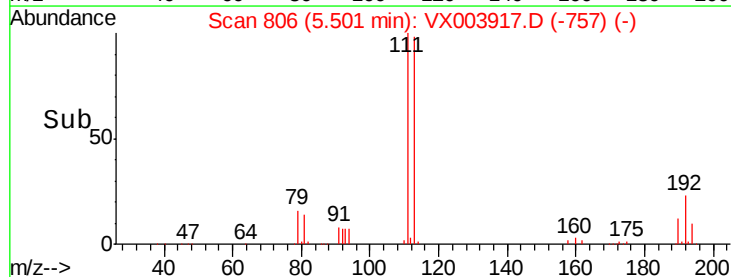
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.0	82.0	123.0
192	23.7	19.0	28.4

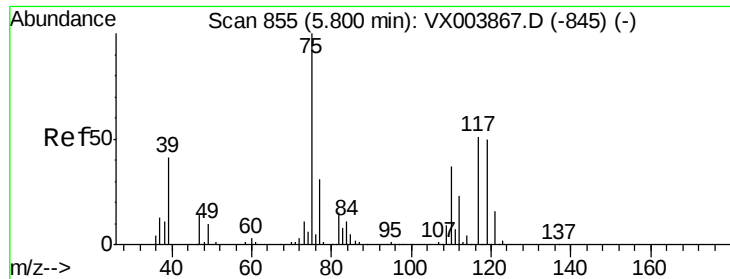


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V



Time--> 5.40 5.50 5.60

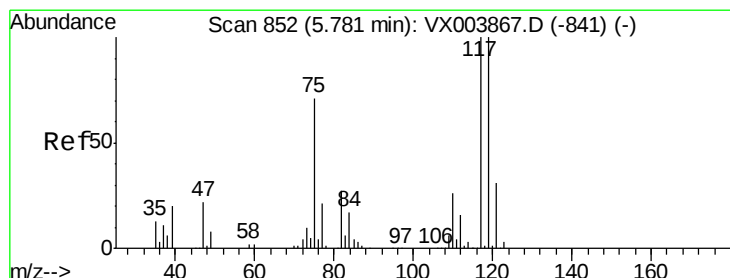
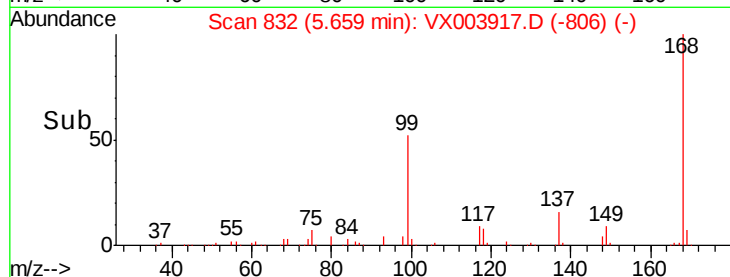
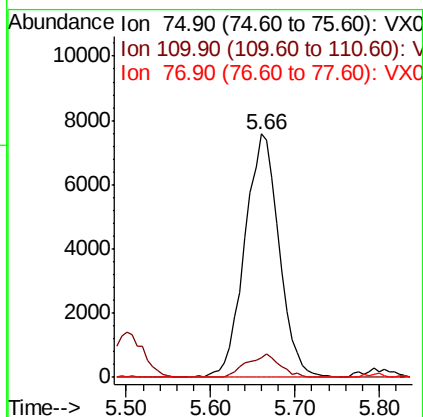
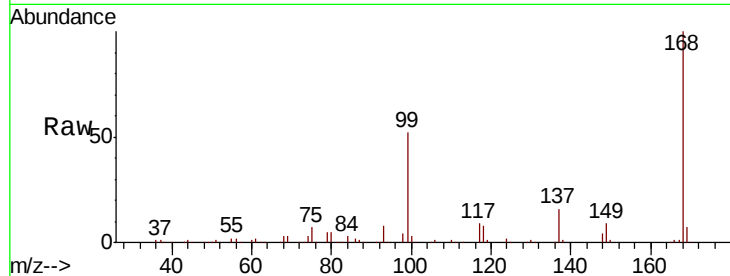




#36
 1,1-Dichloropropene
 Concen: 3.86 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.14 min
 Lab File: VX003917.D
 Acq: 08 Aug 2018 12:18

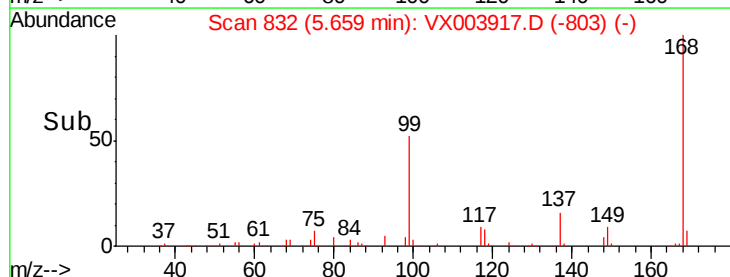
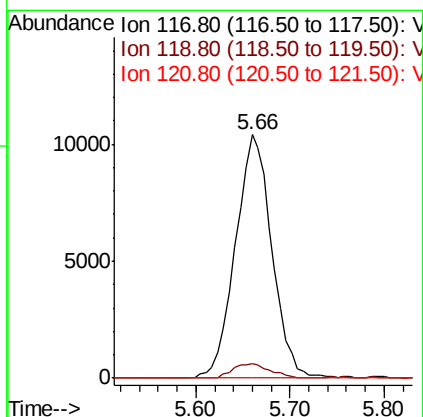
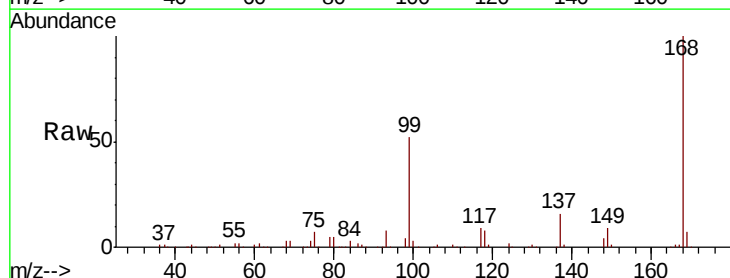
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0808WBL01

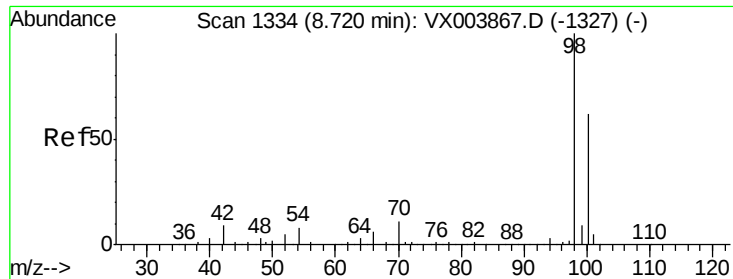
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.3	18.2	54.6#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 5.42 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.12 min
 Lab File: VX003917.D
 Acq: 08 Aug 2018 12:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	79.5	119.3#
121	0.0	25.0	37.4#





#50

Toluene-d8

Concen: 47.92 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. -0.01 min

Lab File: VX003917.D

Acq: 08 Aug 2018 12:18

Instrument :

MSVOA_X

ClientSampleId :

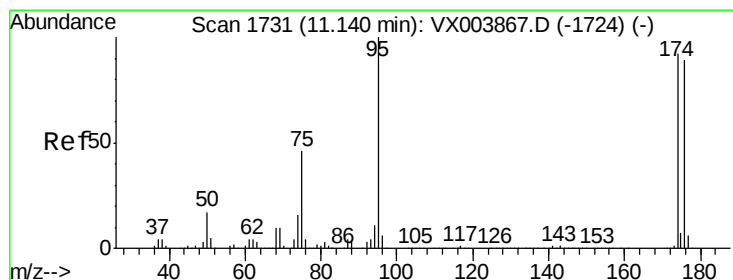
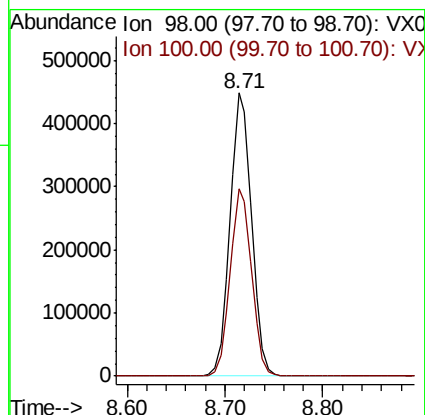
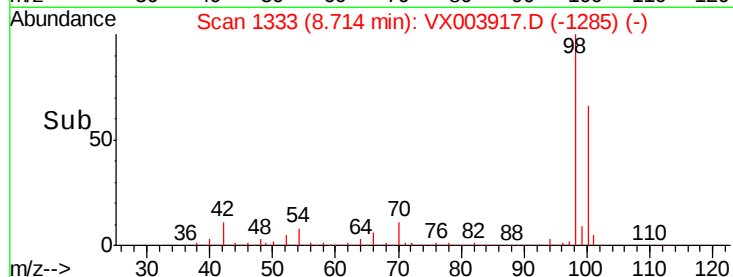
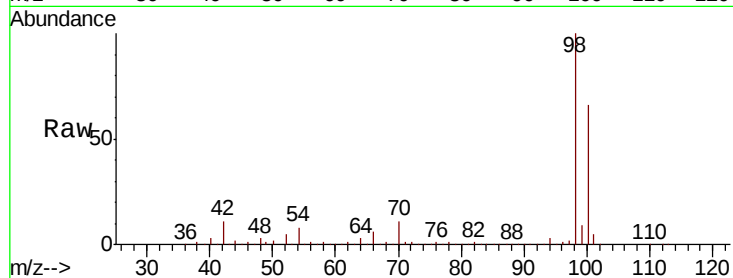
VX0808WBL01

Tot Ion: 98 Resp: 683739

Ion Ratio Lower Upper

98 100

100 65.9 53.3 79.9



#62

4-Bromofluorobenzene

Concen: 50.23 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003917.D

Acq: 08 Aug 2018 12:18

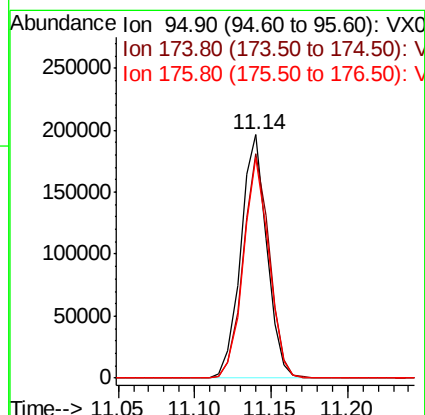
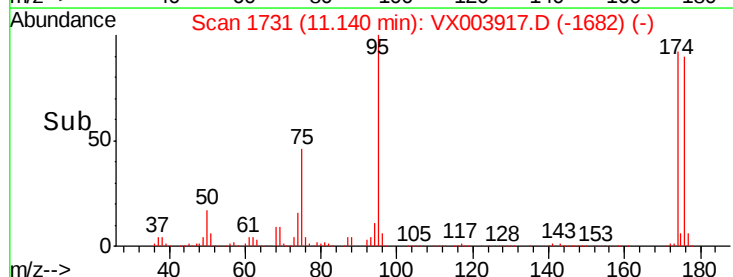
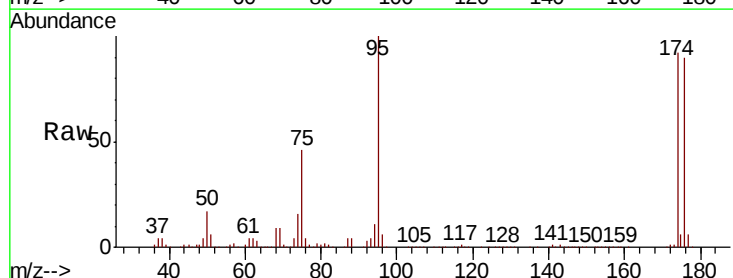
Tgt Ion: 95 Resp: 231895

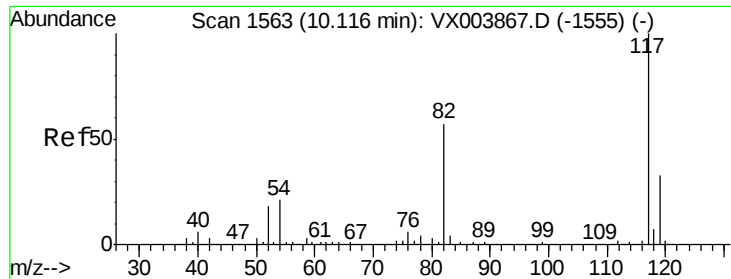
Ion Ratio Lower Upper

95 100

174 92.7 0.0 182.8

176 88.9 0.0 179.0

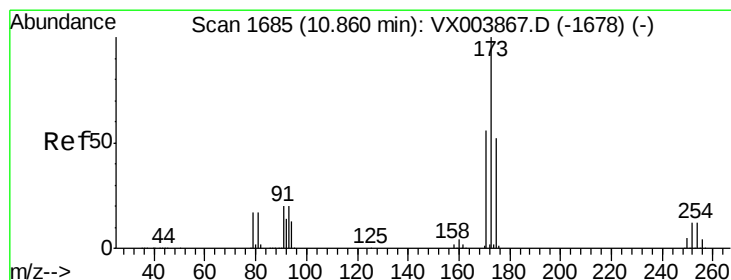
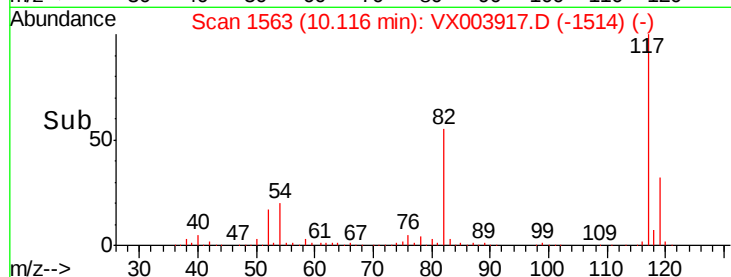
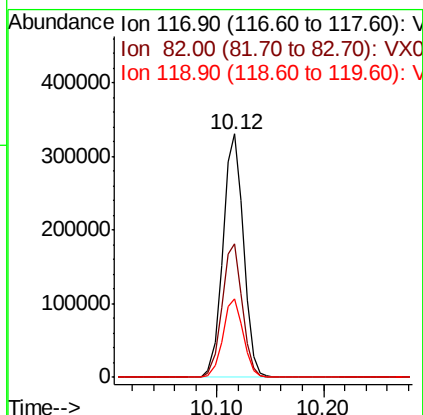
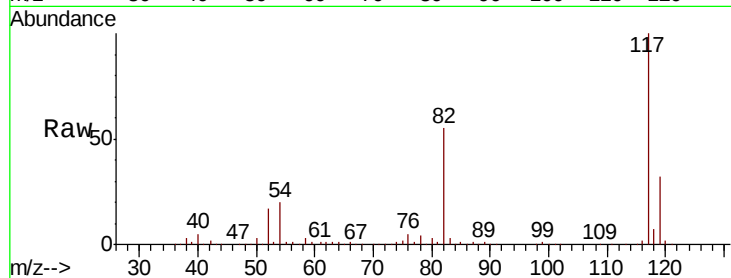




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003917.D
Acq: 08 Aug 2018 12:18

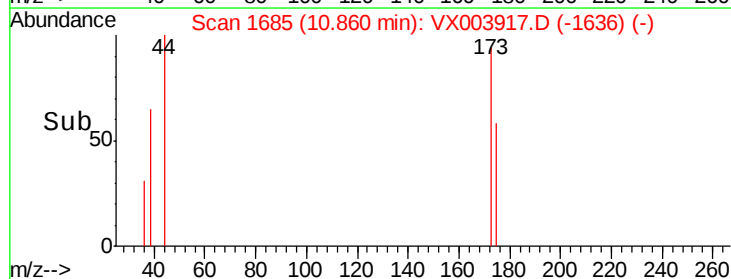
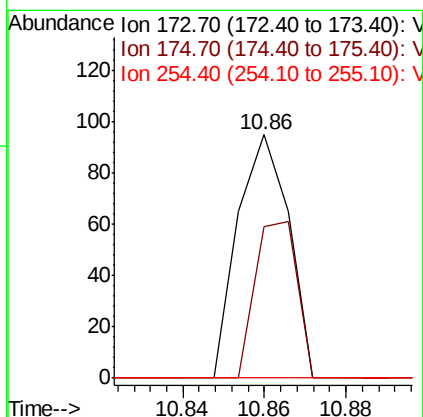
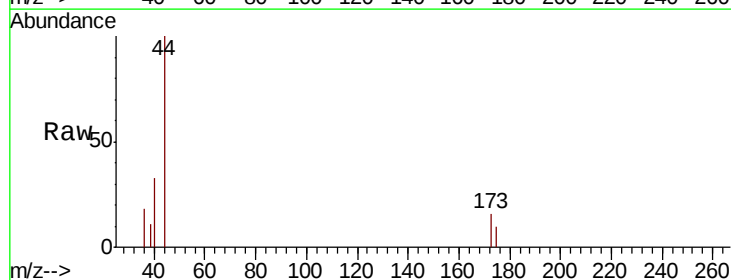
Instrument :
MSVOA_X
ClientSampled :
VX0808WBL01

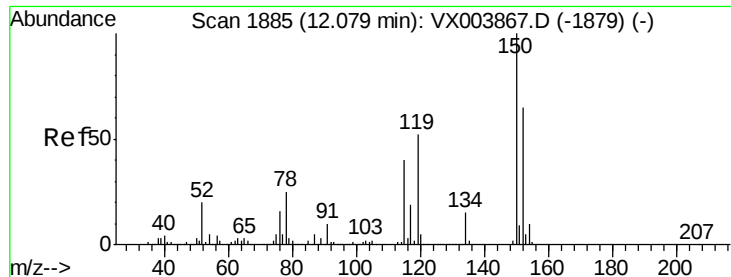
Tot Ion:117 Resp: 446093
Ion Ratio Lower Upper
117 100
82 54.9 45.4 68.0
119 32.5 26.6 40.0



#71
Bromoform
Concen: 2.94 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003917.D
Acq: 08 Aug 2018 12:18

Tgt Ion:173 Resp: 82
Ion Ratio Lower Upper
173 100
175 0.0 24.9 74.7#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003917.D

Acq: 08 Aug 2018 12:18

Instrument :

MSVOA_X

ClientSampleId :

VX0808WBL01

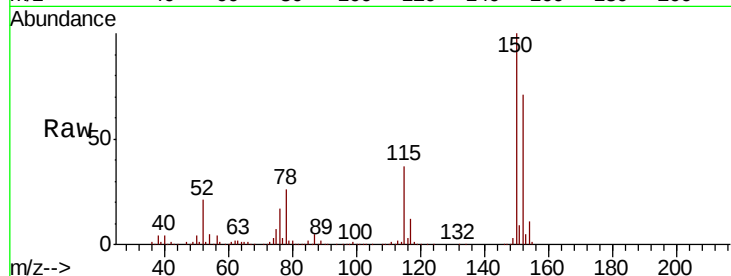
Tot Ion:152 Resp: 240563

Ion Ratio Lower Upper

152 100

115 51.6 39.1 117.3

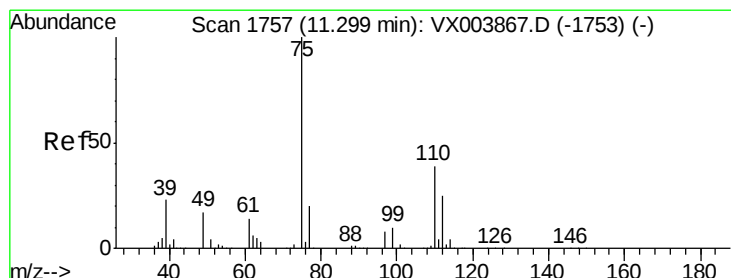
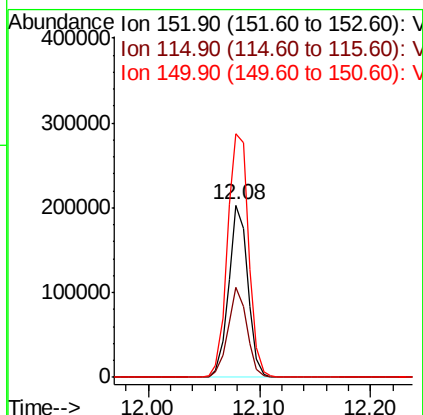
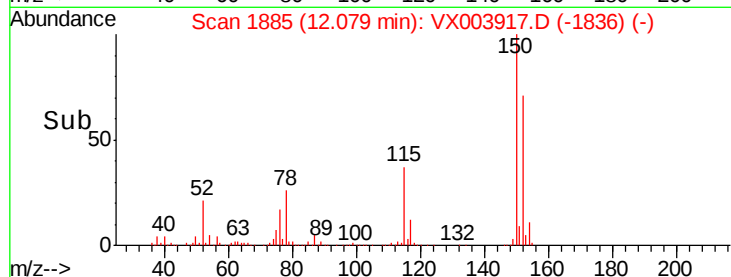
150 156.3 0.0 349.2



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: 21.25 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003917.D

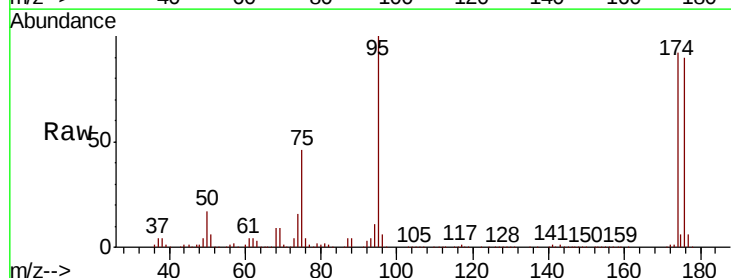
Acq: 08 Aug 2018 12:18

Tgt Ion: 75 Resp: 112899

Ion Ratio Lower Upper

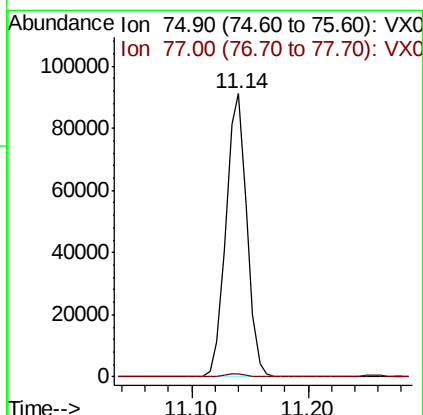
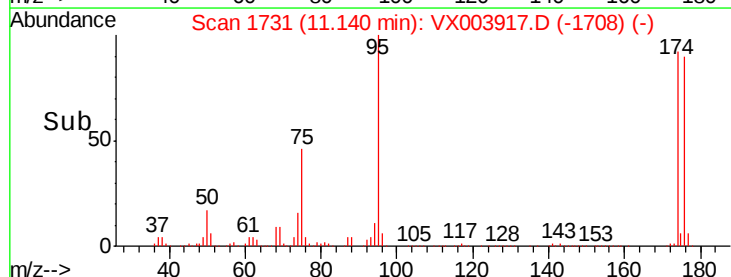
75 100

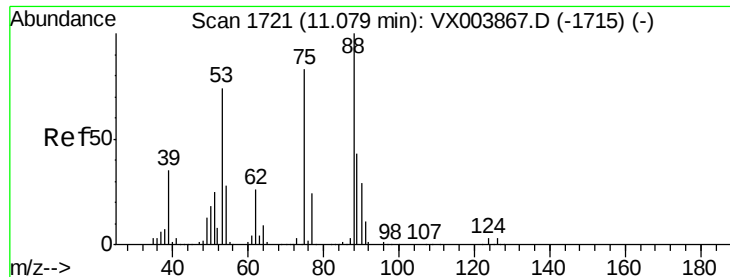
77 1.3 20.8 62.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

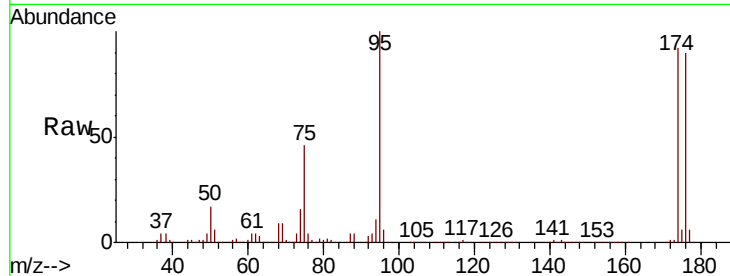




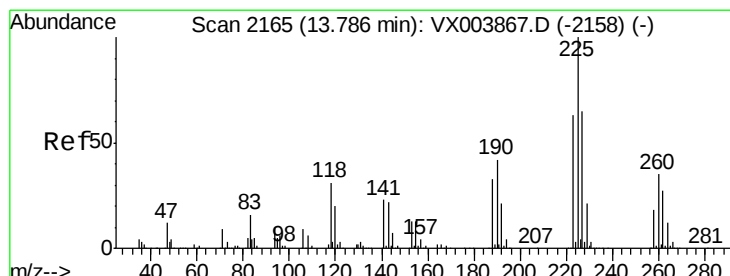
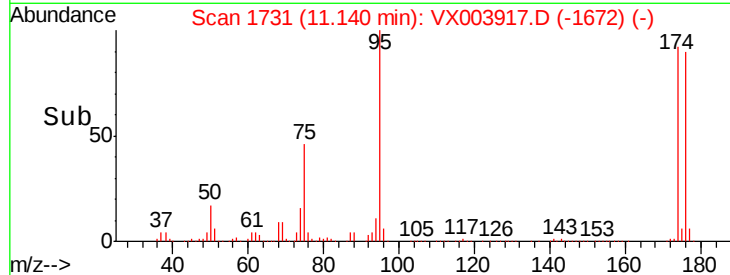
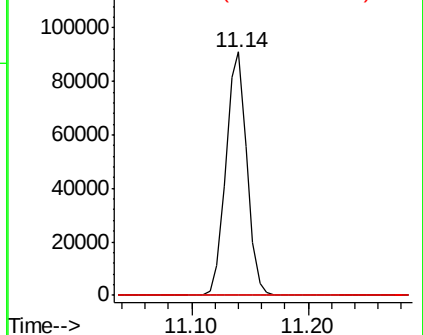
#81
trans-1,4-Dichloro-2-butene
Concen: 57.46 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX003917.D
Acq: 08 Aug 2018 12:18

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBL01

Tot Ion: 75 Resp: 112899
Ion Ratio Lower Upper
75 100
53 0.1 80.3 120.5#
89 0.0 37.8 56.8#

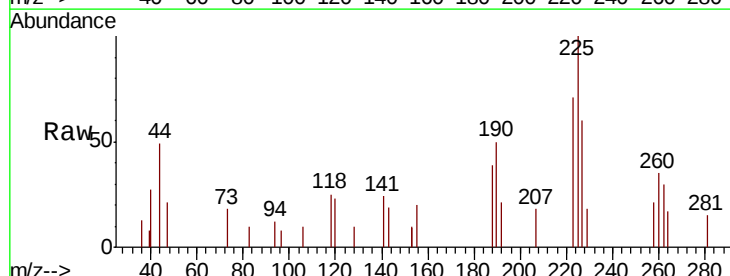


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#94
Hexachlorobutadiene
Concen: 0.71 ug/l
RT: 13.79 min Scan# 2165
Delta R.T. 0.00 min
Lab File: VX003917.D
Acq: 08 Aug 2018 12:18

Tgt Ion: 225 Resp: 781
Ion Ratio Lower Upper
225 100
223 67.5 31.4 94.0
227 68.8 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

