

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080718\
 Data File : VX003878.D
 Acq On : 07 Aug 2018 13:52
 Operator : JC/MD
 Sample : J4337-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-SAMPLEMANAG

Quant Time: Aug 08 01:19:50 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	314694	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	491527	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	466892	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	214537	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	218688	52.42	ug/l	0.00
Spiked Amount			Recovery	=	104.84%	
35) Dibromofluoromethane	5.51	113	185651	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
50) Toluene-d8	8.72	98	694480	47.96	ug/l	0.00
Spiked Amount			Recovery	=	95.92%	
62) 4-Bromofluorobenzene	11.14	95	237920	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	

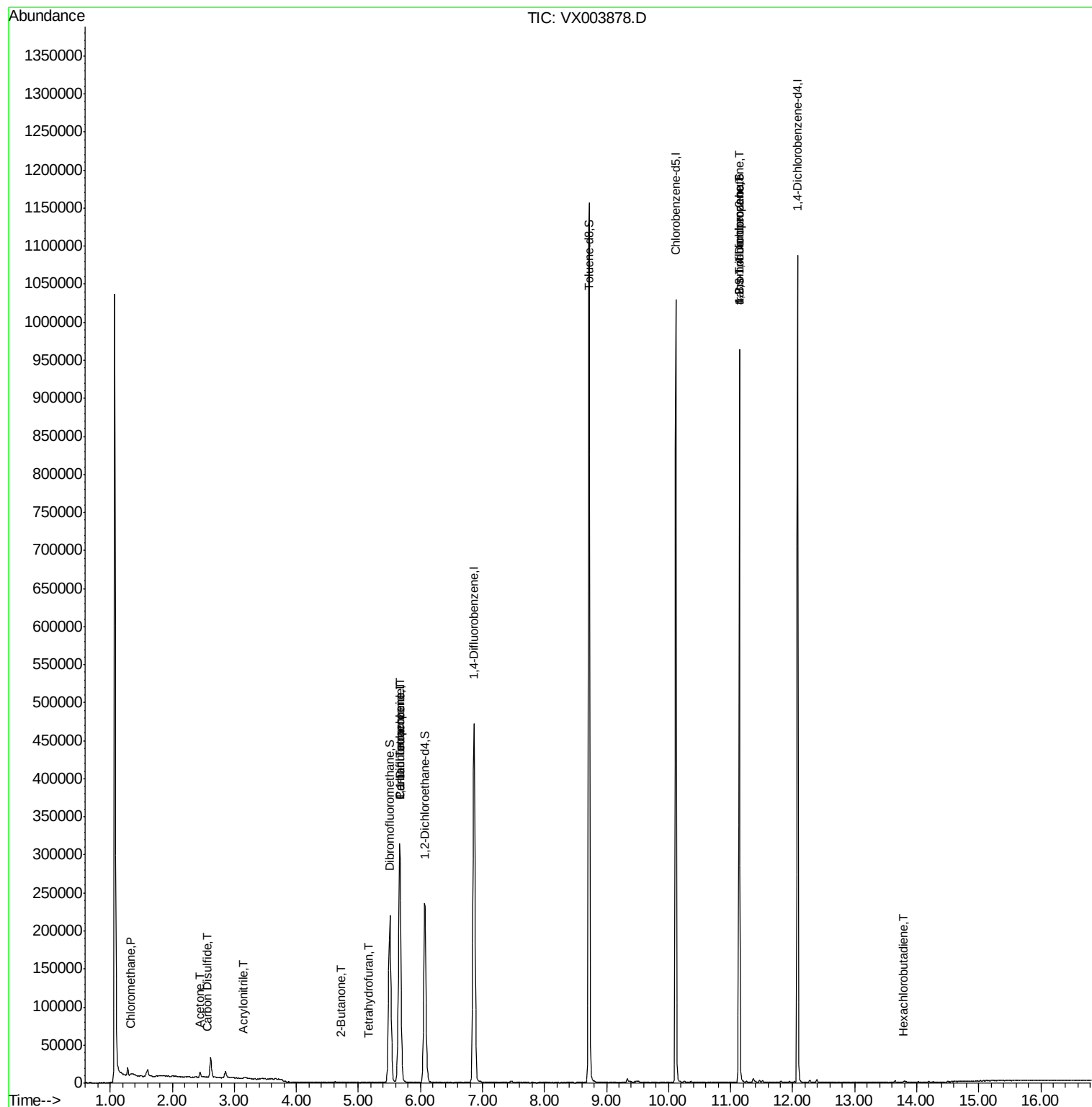
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	946	0.22	ug/l	100
5) Bromomethane	1.65	94	762	Below Cal		88
13) Acrolein	2.30	56	426	Below Cal	#	64
15) Acrylonitrile	3.15	53	592	0.25	ug/l	# 81
16) Acetone	2.45	43	7177	2.89	ug/l	98
17) Carbon Disulfide	2.57	76	1831	0.63	ug/l	# 91
20) Methylene Chloride	2.86	84	3842	Below Cal		98
25) 2-Butanone	4.71	43	876	0.23	ug/l	# 48
29) Tetrahydrofuran	5.17	42	728	0.38	ug/l	# 51
36) 1,1-Dichloropropene	5.67	75	21422	3.89	ug/l	# 49
38) Carbon Tetrachloride	5.67	117	27297	5.21	ug/l	# 15
76) 1,2,3-Trichloropropane	11.14	75	114125	24.08	ug/l	# 36
81) trans-1,4-Dichloro-2-buten	11.14	75	114125	64.83	ug/l	# 9
88) 1,4-Dichlorobenzene	12.03	146	527	Below Cal		93
94) Hexachlorobutadiene	13.79	225	383	0.59	ug/l	91

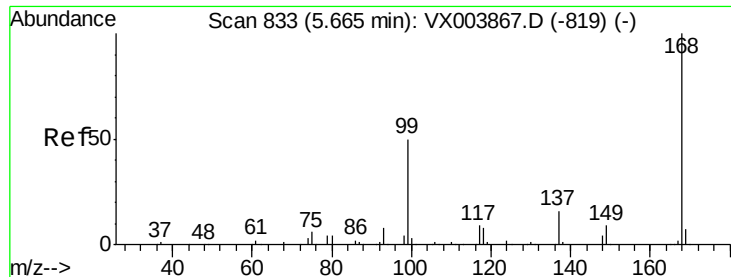
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003878.D

Acq: 07 Aug 2018 13:52

Instrument :

MSVOA_X

ClientSampleId :

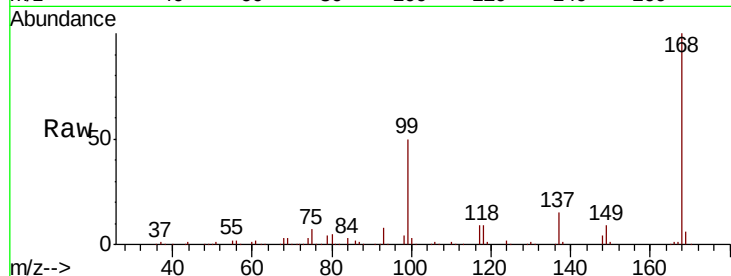
STORAGEBLANK-SAMPLEMANAG

Tot Ion:168 Resp: 314694

Ion Ratio Lower Upper

168 100

99 50.3 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

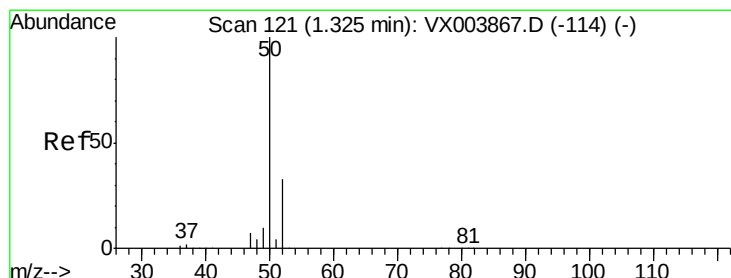
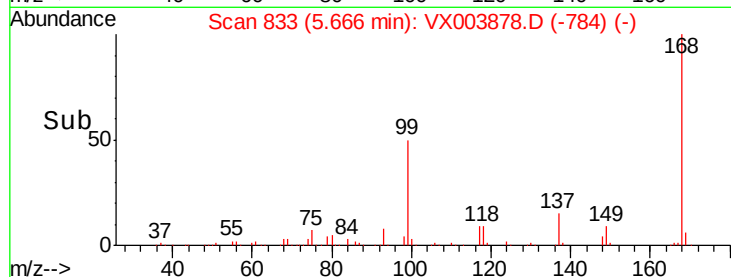
5.67

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.22 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003878.D

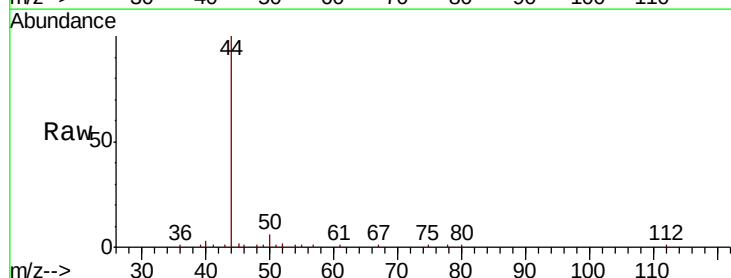
Acq: 07 Aug 2018 13:52

Tgt Ion: 50 Resp: 946

Ion Ratio Lower Upper

50 100

52 33.2 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

600

500

400

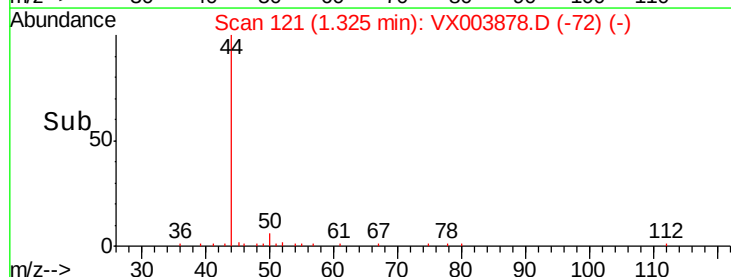
300

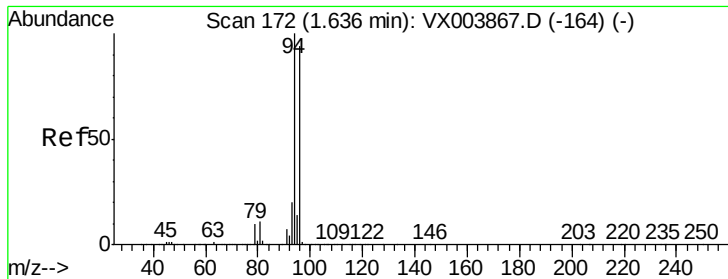
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003878.D

Acq: 07 Aug 2018 13:52

Instrument :

MSVOA_X

ClientSampleId :

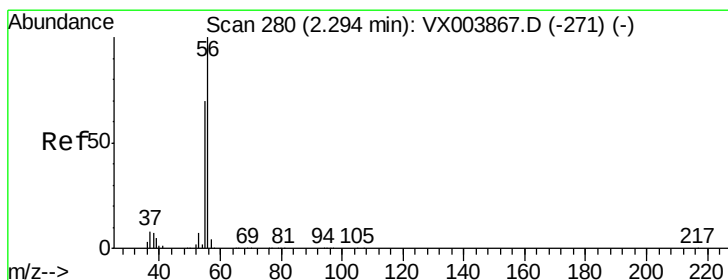
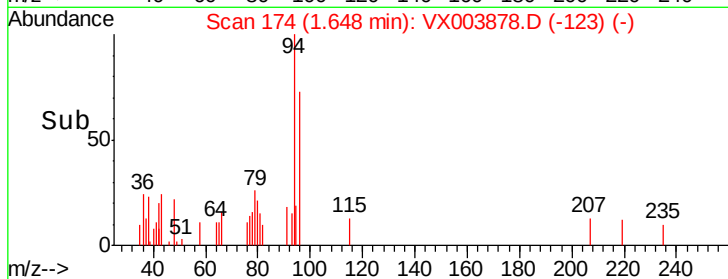
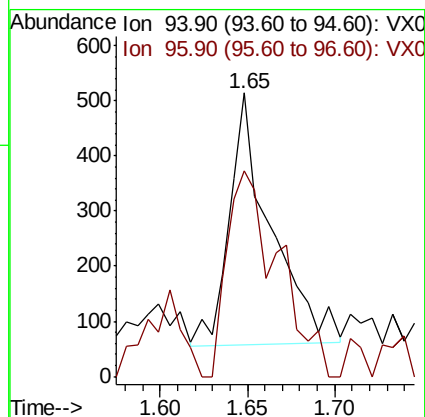
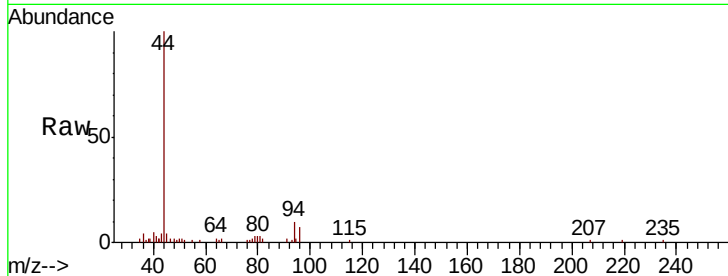
STORAGEBLANK-SAMPLEMANAG

Tot Ion: 94 Resp: 762

Ion Ratio Lower Upper

94 100

96 82.3 75.2 112.8



#13

Acrolein

Concen: Below Cal

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX003878.D

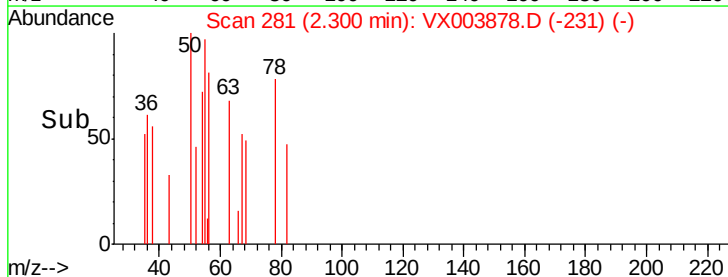
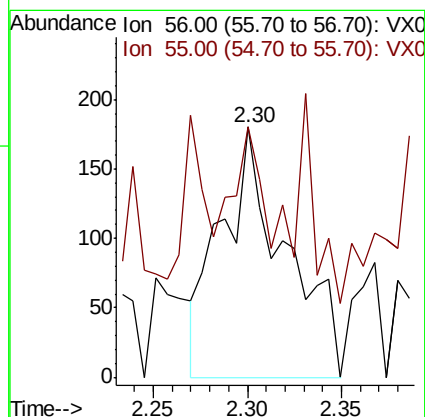
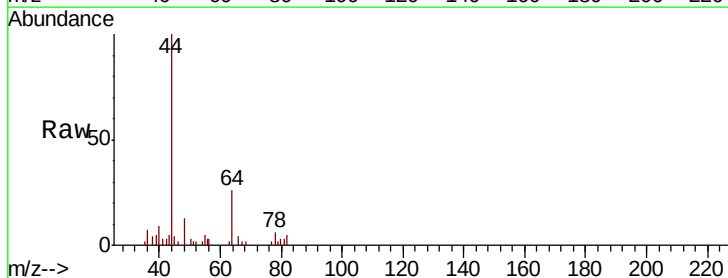
Acq: 07 Aug 2018 13:52

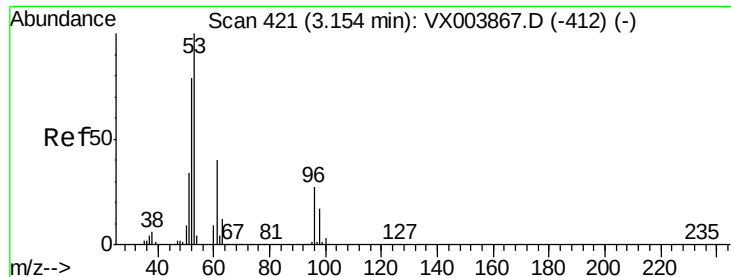
Tgt Ion: 56 Resp: 426

Ion Ratio Lower Upper

56 100

55 40.8 56.1 84.1#





#15

Acrylonitrile

Concen: 0.25 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003878.D

Acq: 07 Aug 2018 13:52

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SAMPLEMANAG

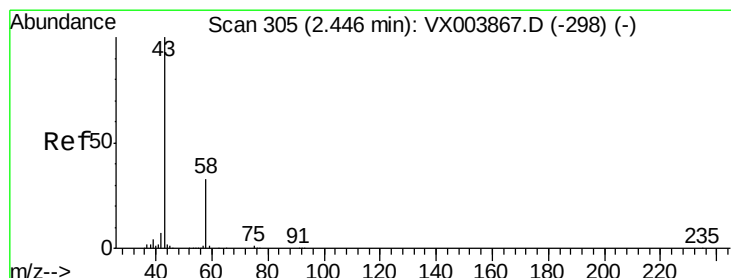
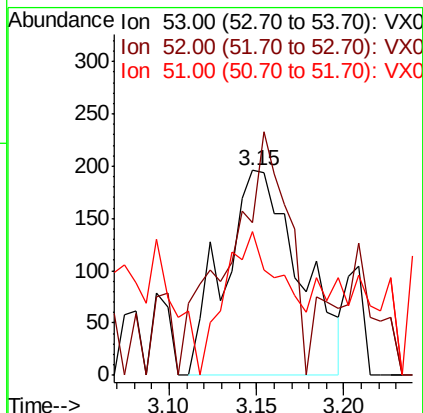
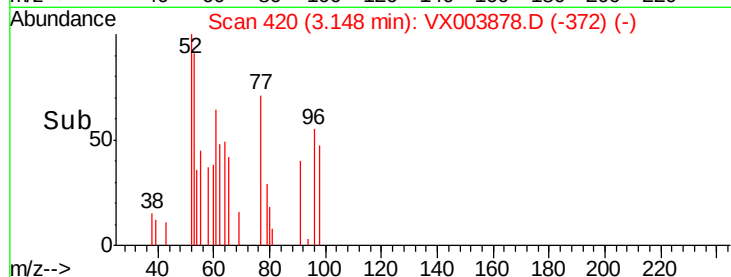
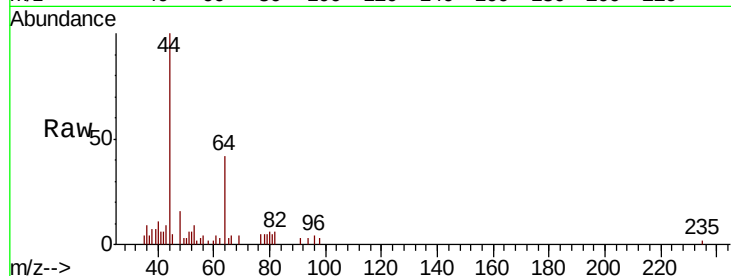
Tot Ion: 53 Resp: 592

Ion Ratio Lower Upper

53 100

52 91.9 65.3 97.9

51 56.1 27.9 41.9#



#16

Acetone

Concen: 2.89 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003878.D

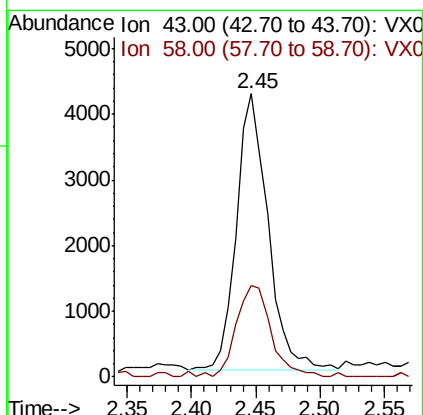
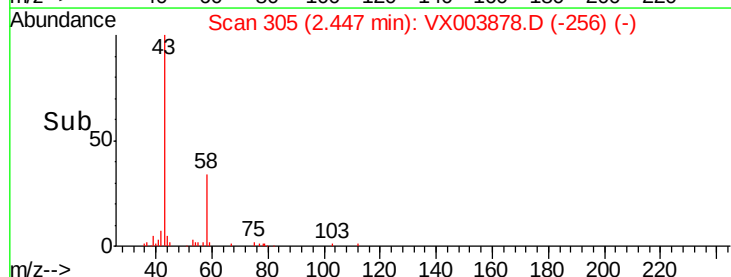
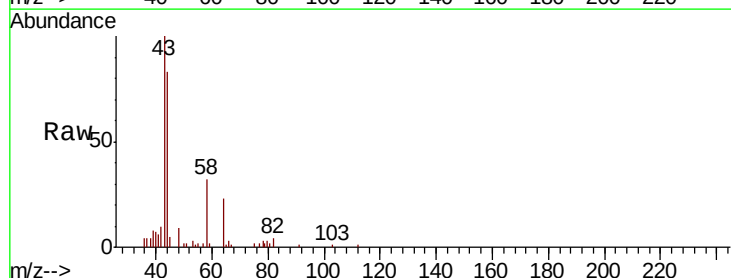
Acq: 07 Aug 2018 13:52

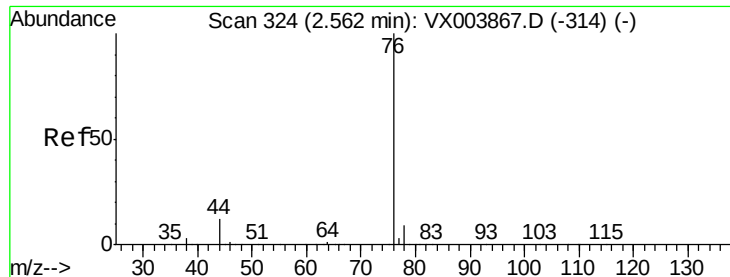
Tgt Ion: 43 Resp: 7177

Ion Ratio Lower Upper

43 100

58 31.9 26.4 39.6





#17

Carbon Disulfide

Concen: 0.63 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003878.D

Acq: 07 Aug 2018 13:52

Instrument :

MSVOA_X

ClientSampleId :

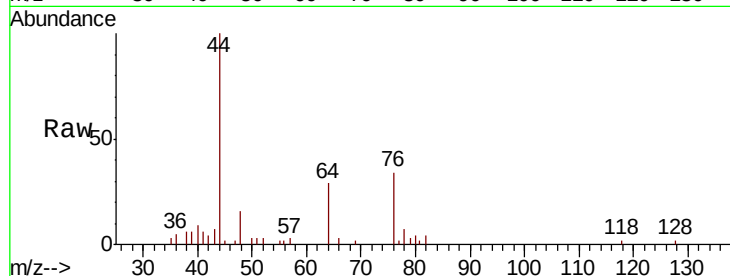
STORAGEBLANK-SAMPLEMANAG

Tot Ion: 76 Resp: 1831

Ion Ratio Lower Upper

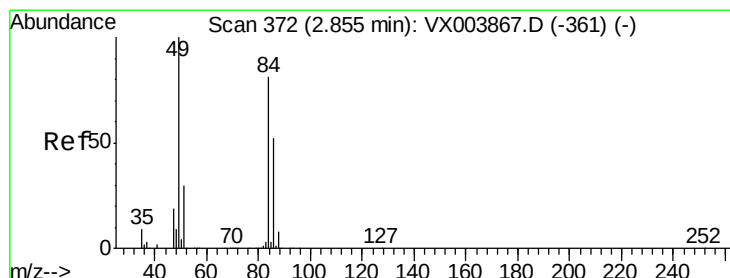
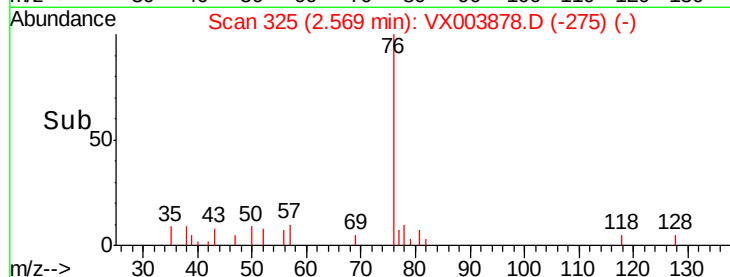
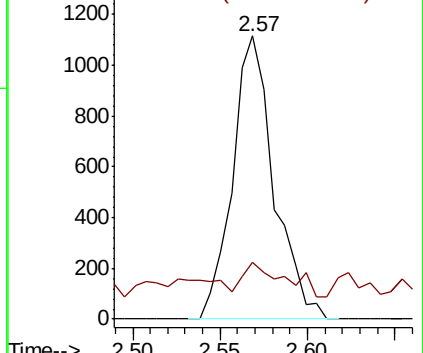
76 100

78 6.3 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: 2.86 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX003878.D

Acq: 07 Aug 2018 13:52

Tgt Ion: 84 Resp: 3842

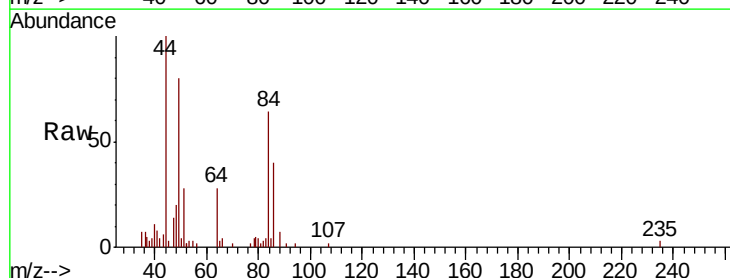
Ion Ratio Lower Upper

84 100

49 125.1 98.9 148.3

51 40.2 29.9 44.9

86 62.6 51.0 76.6

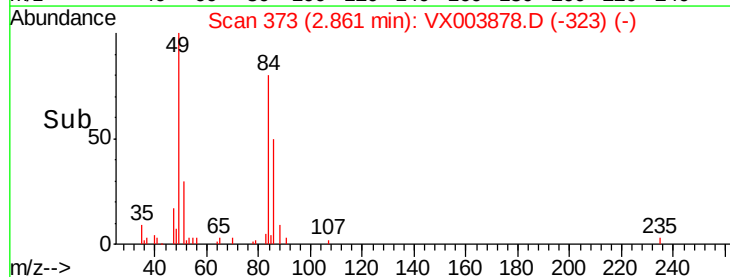
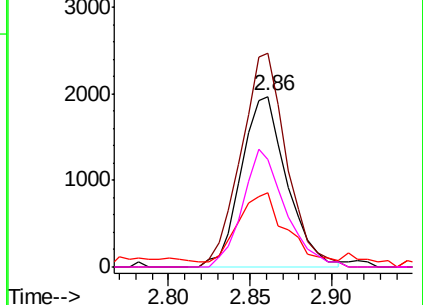


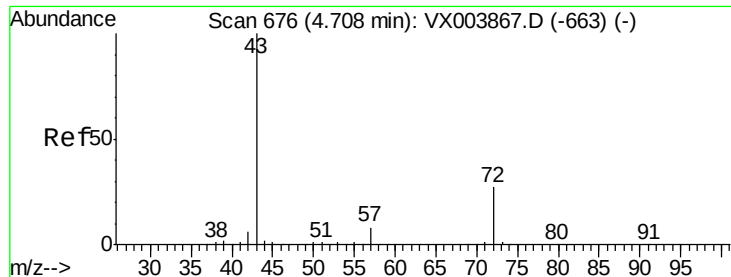
Abundance Ion 83.90 (83.60 to 84.60): VX0

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





#25

2-Butanone

Concen: 0.23 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX003878.D

Acq: 07 Aug 2018 13:52

Instrument :

MSVOA_X

ClientSampleId :

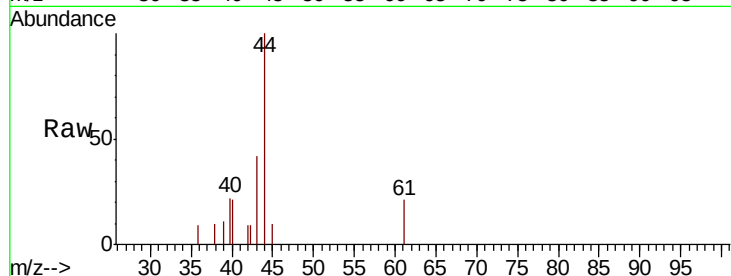
STORAGEBLANK-SAMPLEMANAG

Tot Ion: 43 Resp: 876

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.71

250

200

150

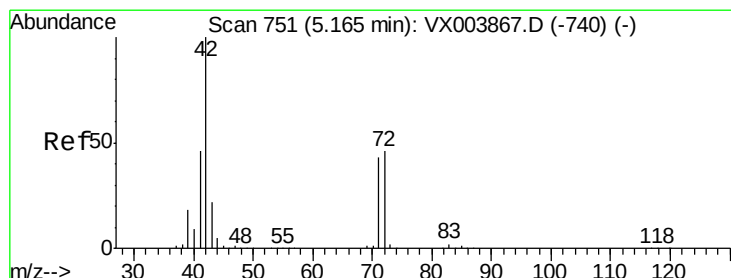
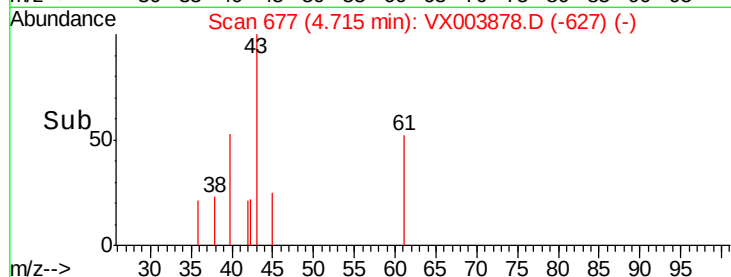
100

50

0

4.65 4.70 4.75 4.80

Time-->



#29

Tetrahydrofuran

Concen: 0.38 ug/l

RT: 5.17 min Scan# 751

Delta R.T. 0.00 min

Lab File: VX003878.D

Acq: 07 Aug 2018 13:52

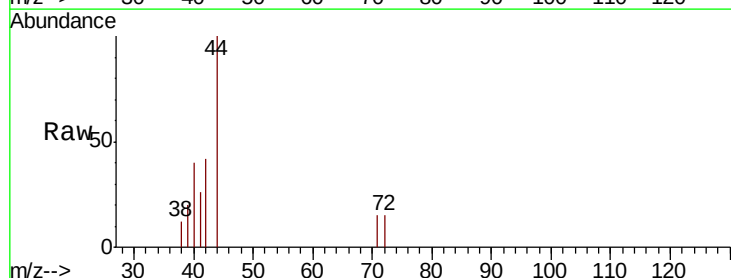
Tgt Ion: 42 Resp: 728

Ion Ratio Lower Upper

42 100

72 20.2 37.7 56.5#

71 6.7 35.0 52.6#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

300

250

200

150

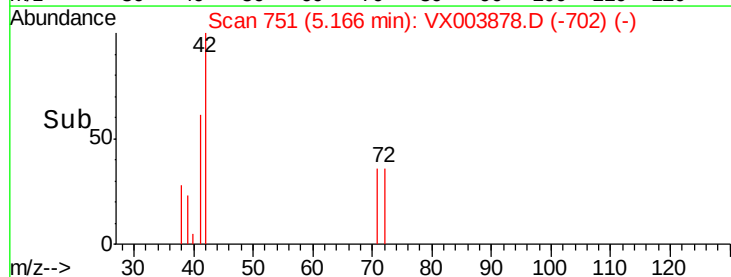
100

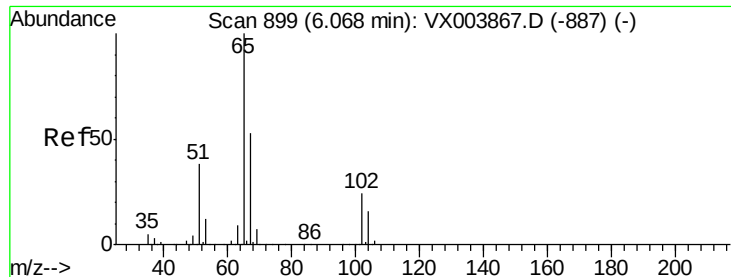
50

0

5.10 5.15 5.20 5.25

Time-->

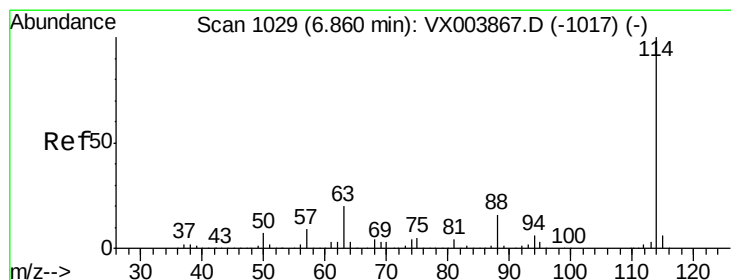
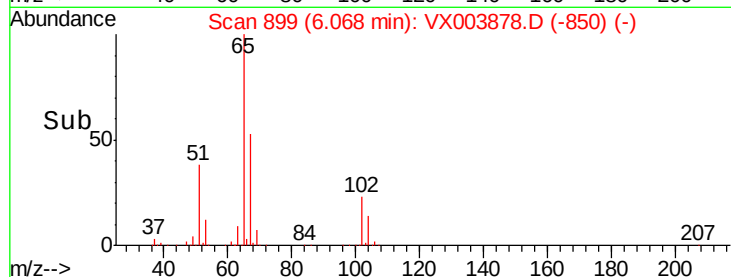
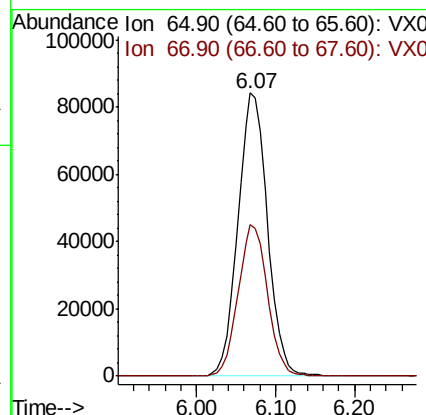
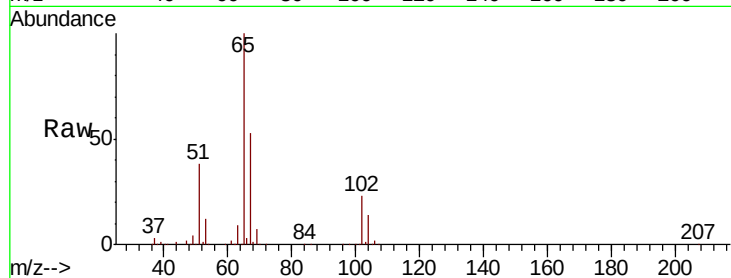




#33
 1,2-Dichloroethane-d4
 Concen: 52.42 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003878.D
 Acq: 07 Aug 2018 13:52

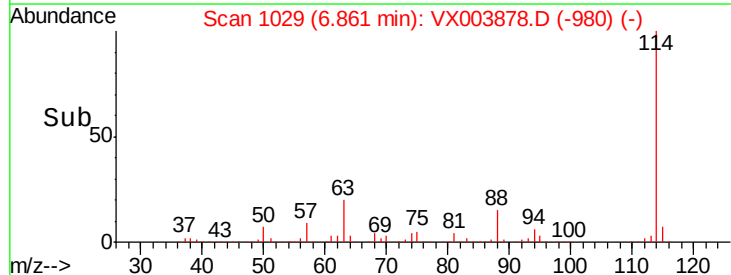
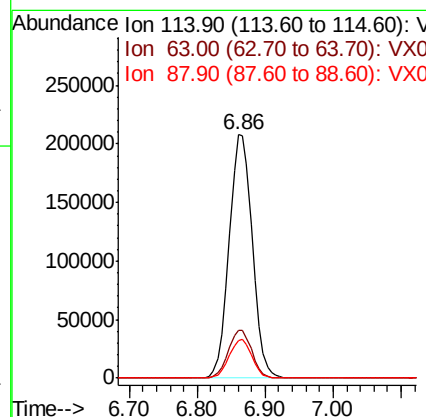
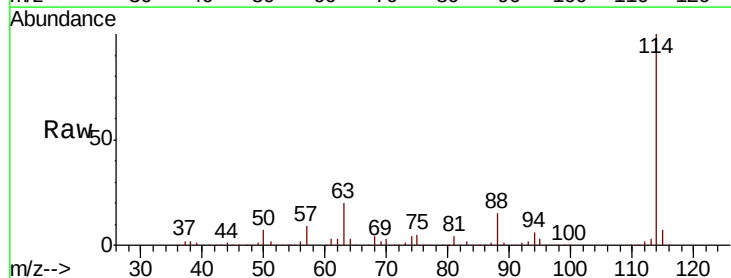
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-SAMPLEMANAG

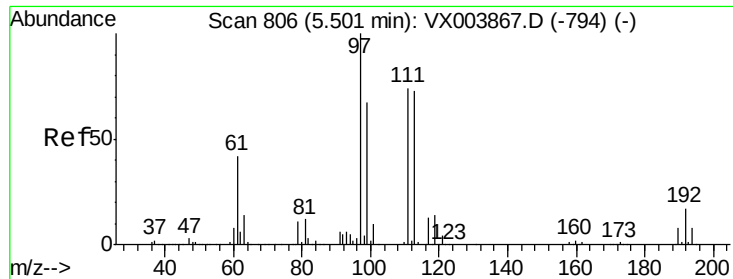
Tot Ion: 65 Resp: 218688
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: VX003878.D
 Acq: 07 Aug 2018 13:52

Tgt Ion: 114 Resp: 491527
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.0
 88 15.2 0.0 32.0

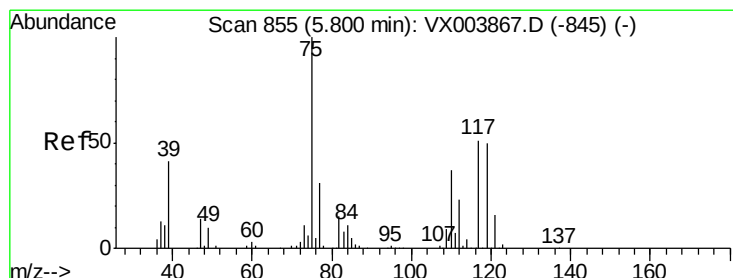
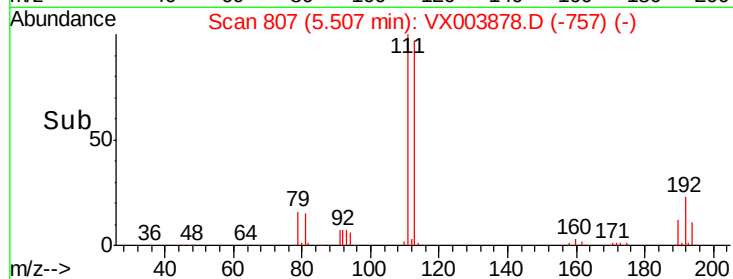
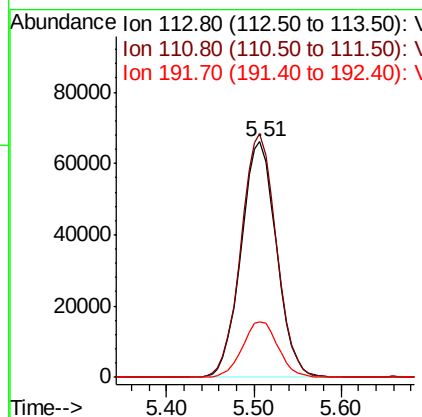
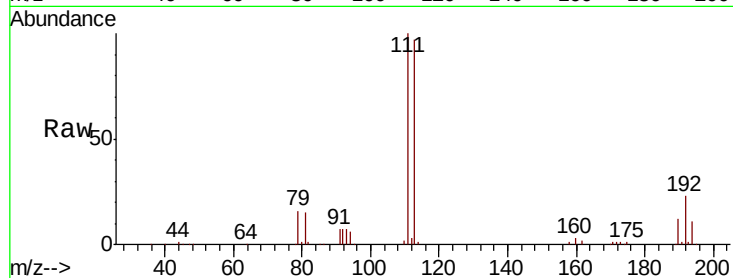




#35
 Dibromofluoromethane
 Concen: 49.86 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX003878.D
 Acq: 07 Aug 2018 13:52

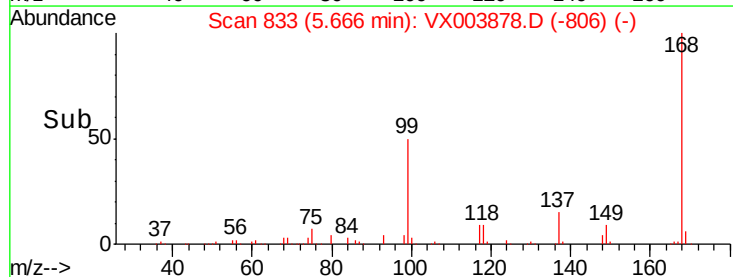
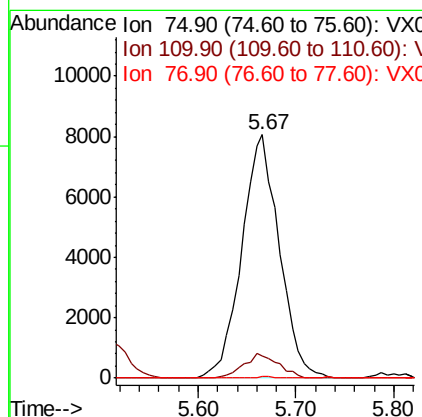
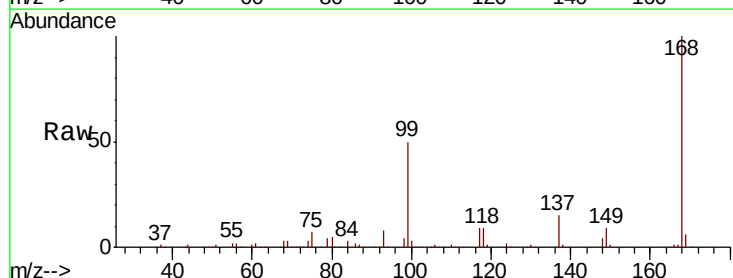
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-SAMPLEMANAG

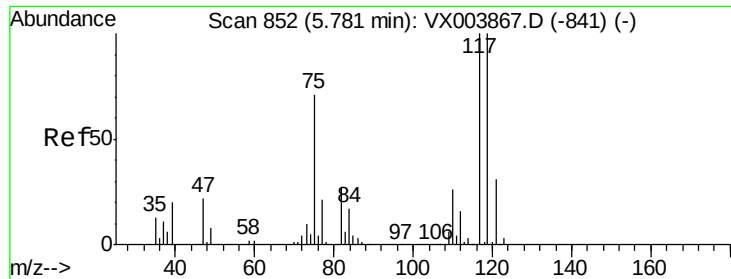
Tot Ion:113 Resp: 185651
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.0 123.0
 192 23.9 19.0 28.4



#36
 1,1-Dichloropropene
 Concen: 3.89 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003878.D
 Acq: 07 Aug 2018 13:52

Tgt Ion: 75 Resp: 21422
 Ion Ratio Lower Upper
 75 100
 110 9.2 18.2 54.6#
 77 0.2 25.0 37.4#

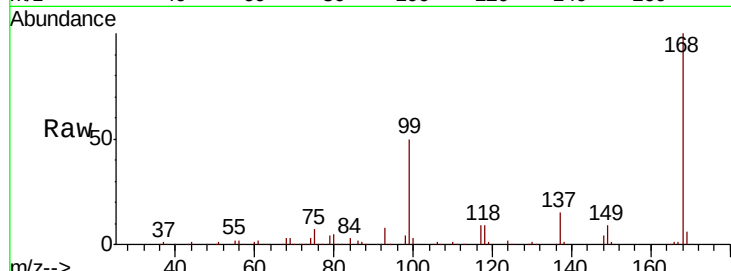




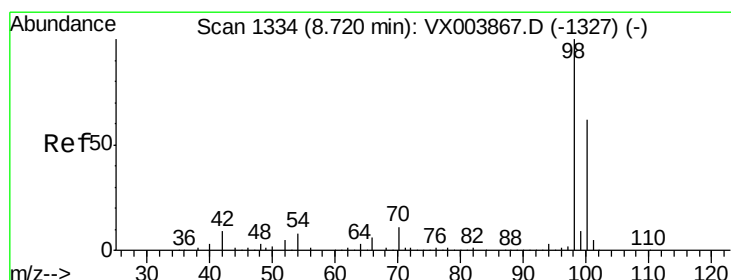
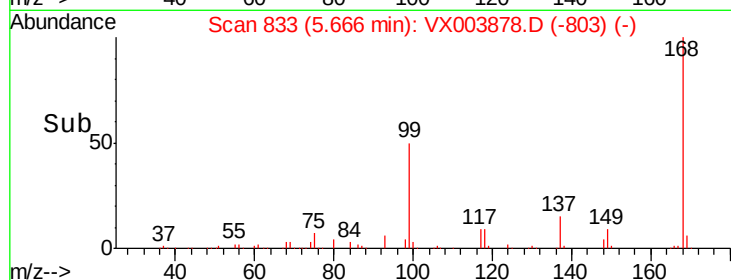
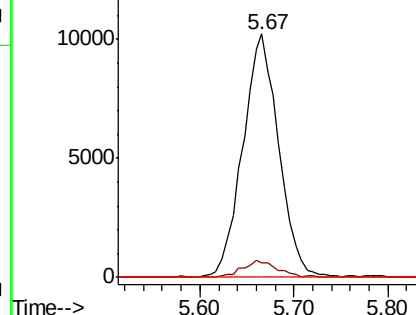
#38
Carbon Tetrachloride
Concen: 5.21 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX003878.D
Acq: 07 Aug 2018 13:52

Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SAMPLEMANAG

Tot Ion:117 Resp: 27297
Ion Ratio Lower Upper
117 100
119 5.9 79.5 119.3#
121 0.0 25.0 37.4#

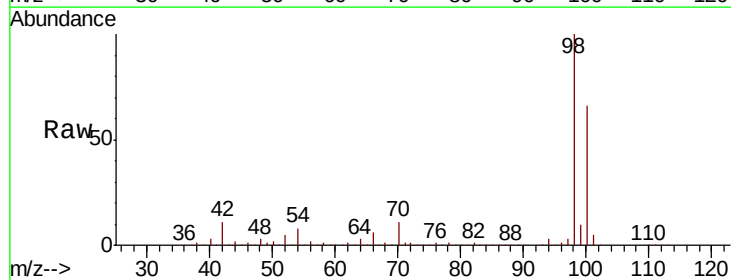


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

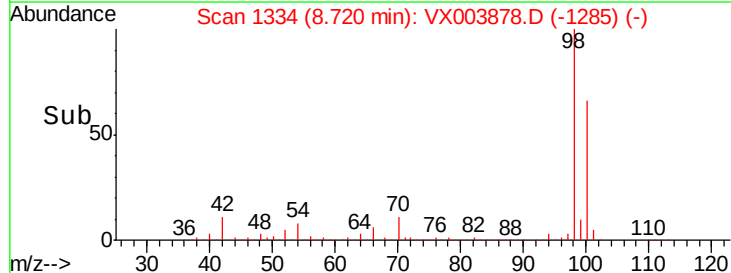
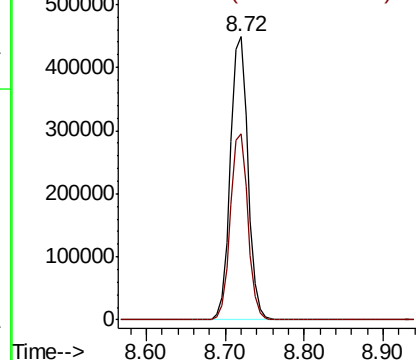


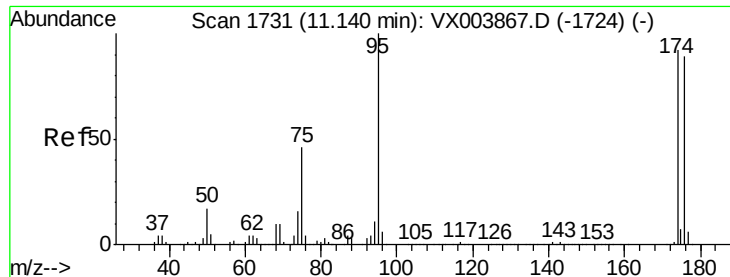
#50
Toluene-d8
Concen: 47.96 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003878.D
Acq: 07 Aug 2018 13:52

Tgt Ion: 98 Resp: 694480
Ion Ratio Lower Upper
98 100
100 65.7 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

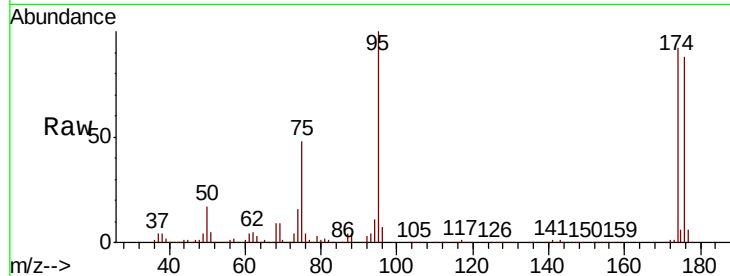




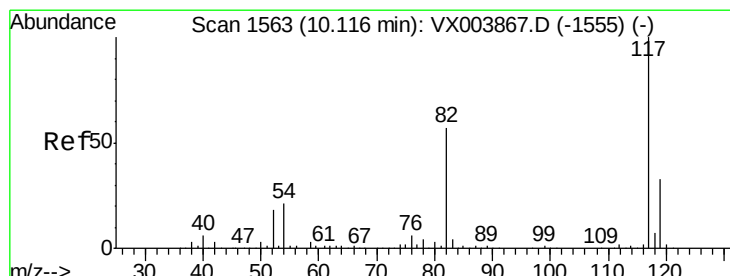
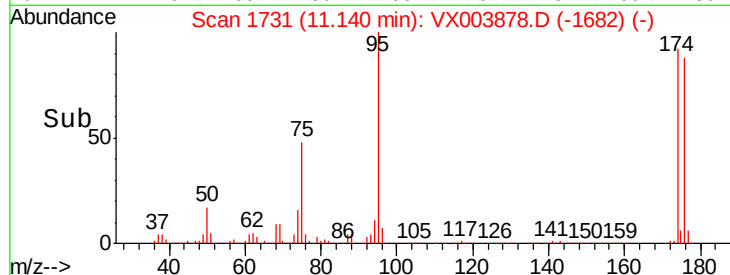
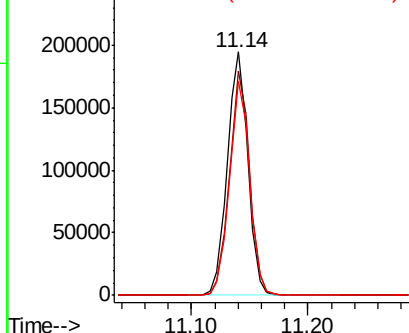
#62
4-Bromofluorobenzene
Concen: 50.78 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003878.D
Acq: 07 Aug 2018 13:52

Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SAMPLEMANAG

Tot Ion: 95 Resp: 237920
Ion Ratio Lower Upper
95 100
174 91.4 0.0 182.8
176 87.1 0.0 179.0

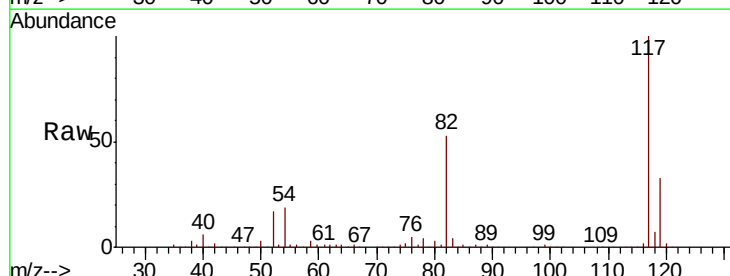


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

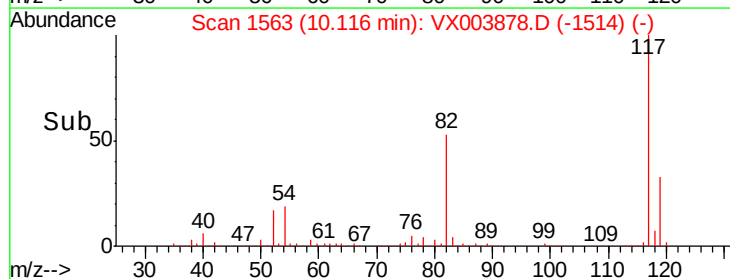
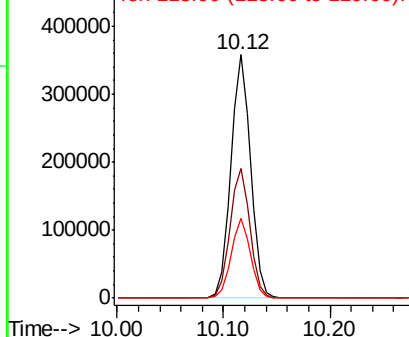


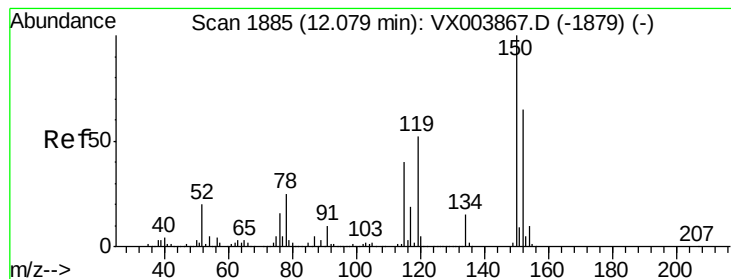
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003878.D
Acq: 07 Aug 2018 13:52

Tgt Ion: 117 Resp: 466892
Ion Ratio Lower Upper
117 100
82 53.5 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





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003878.D

Acq: 07 Aug 2018 13:52

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SAMPLEMANAG

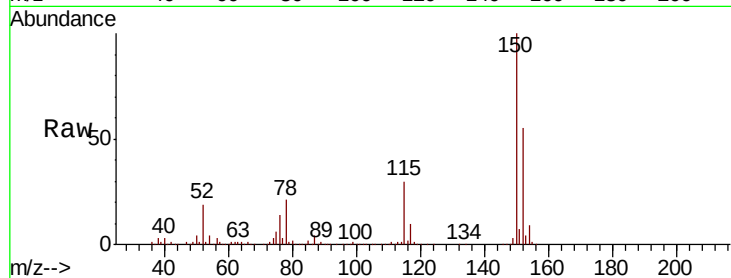
Tot Ion:152 Resp: 214537

Ion Ratio Lower Upper

152 100

115 55.4 39.1 117.3

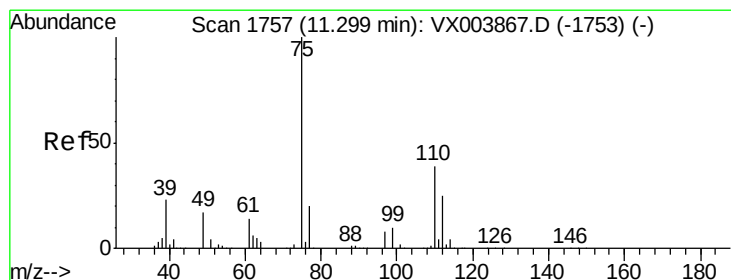
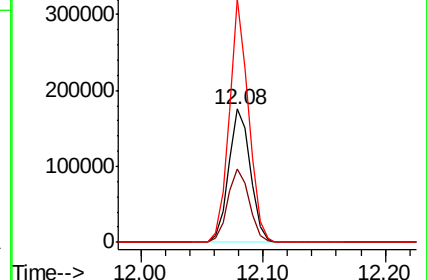
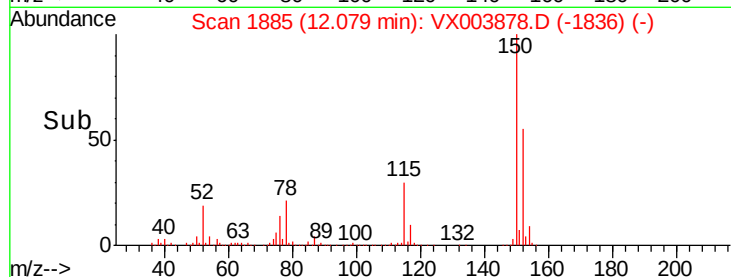
150 162.3 0.0 349.2



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: 24.08 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003878.D

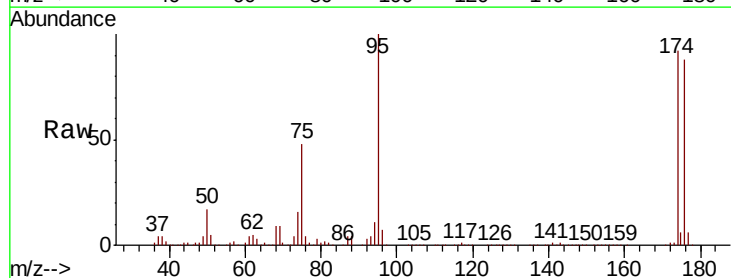
Acq: 07 Aug 2018 13:52

Tgt Ion: 75 Resp: 114125

Ion Ratio Lower Upper

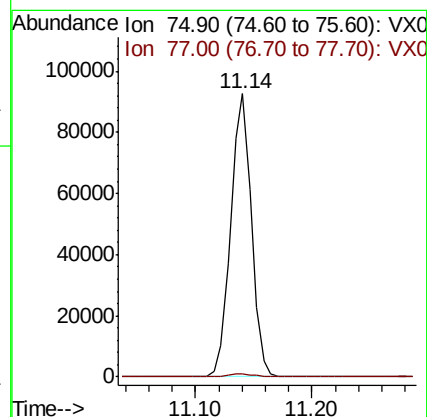
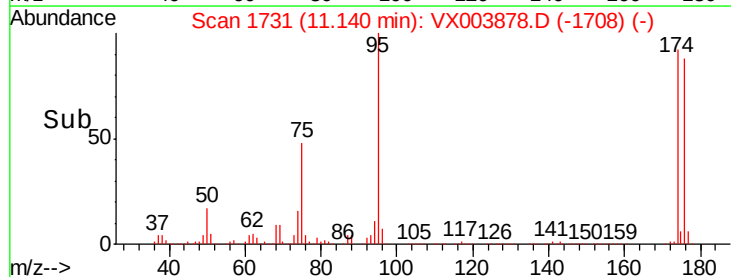
75 100

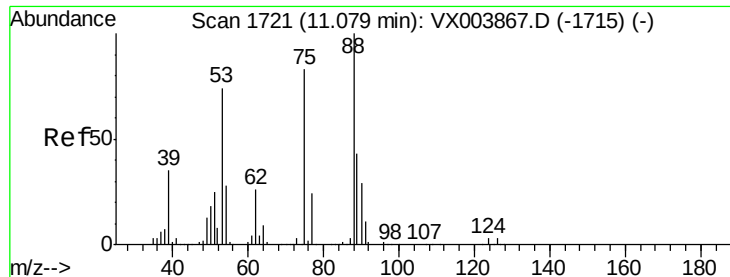
77 1.3 20.8 62.5#



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: 64.83 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003878.D

Acq: 07 Aug 2018 13:52

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SAMPLEMANAG

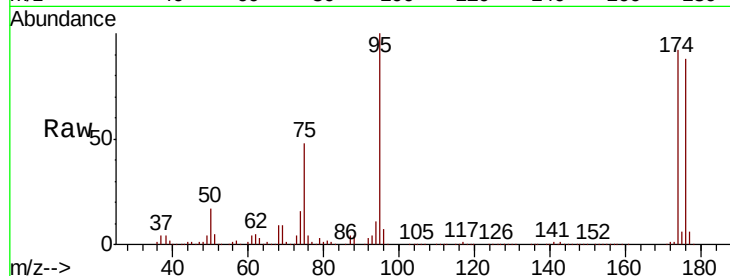
Tot Ion: 75 Resp: 114125

Ion Ratio Lower Upper

75 100

53 0.2 80.3 120.5#

89 0.0 37.8 56.8#

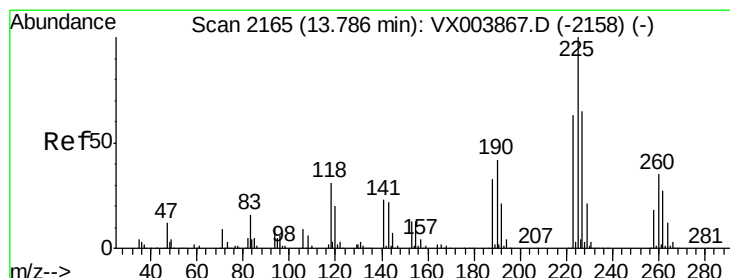
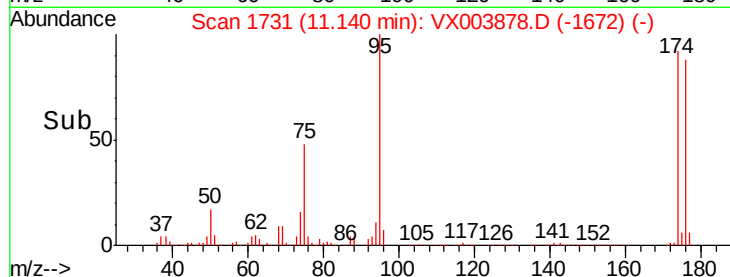
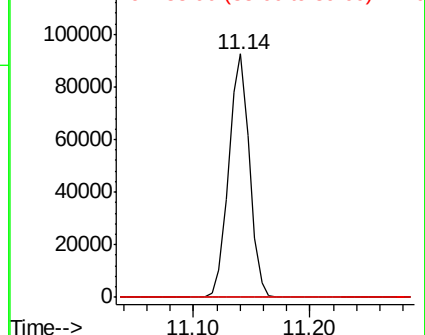


Abundance

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: 0.59 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VX003878.D

Acq: 07 Aug 2018 13:52

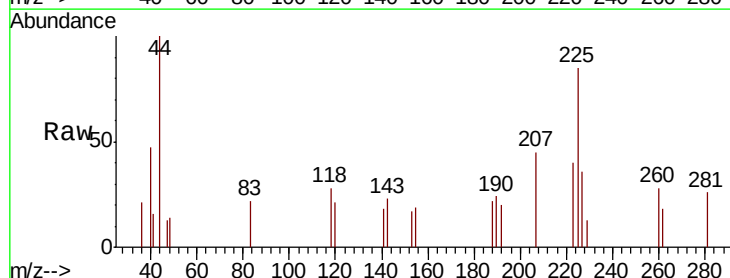
Tgt Ion: 225 Resp: 383

Ion Ratio Lower Upper

225 100

223 66.6 31.4 94.0

227 54.8 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

