

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX062918\
 Data File : VX003041.D
 Acq On : 29 Jun 2018 20:44
 Operator : JC/MD
 Sample : J3694-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 29 23:31:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	256147	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	358787	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	333034	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	188196	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	171936	48.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.12%	
35) Dibromofluoromethane	5.51	113	139102	48.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.92%	
50) Toluene-d8	8.72	98	501822	48.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.74%	
62) 4-Bromofluorobenzene	11.14	95	175907	43.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.92%	

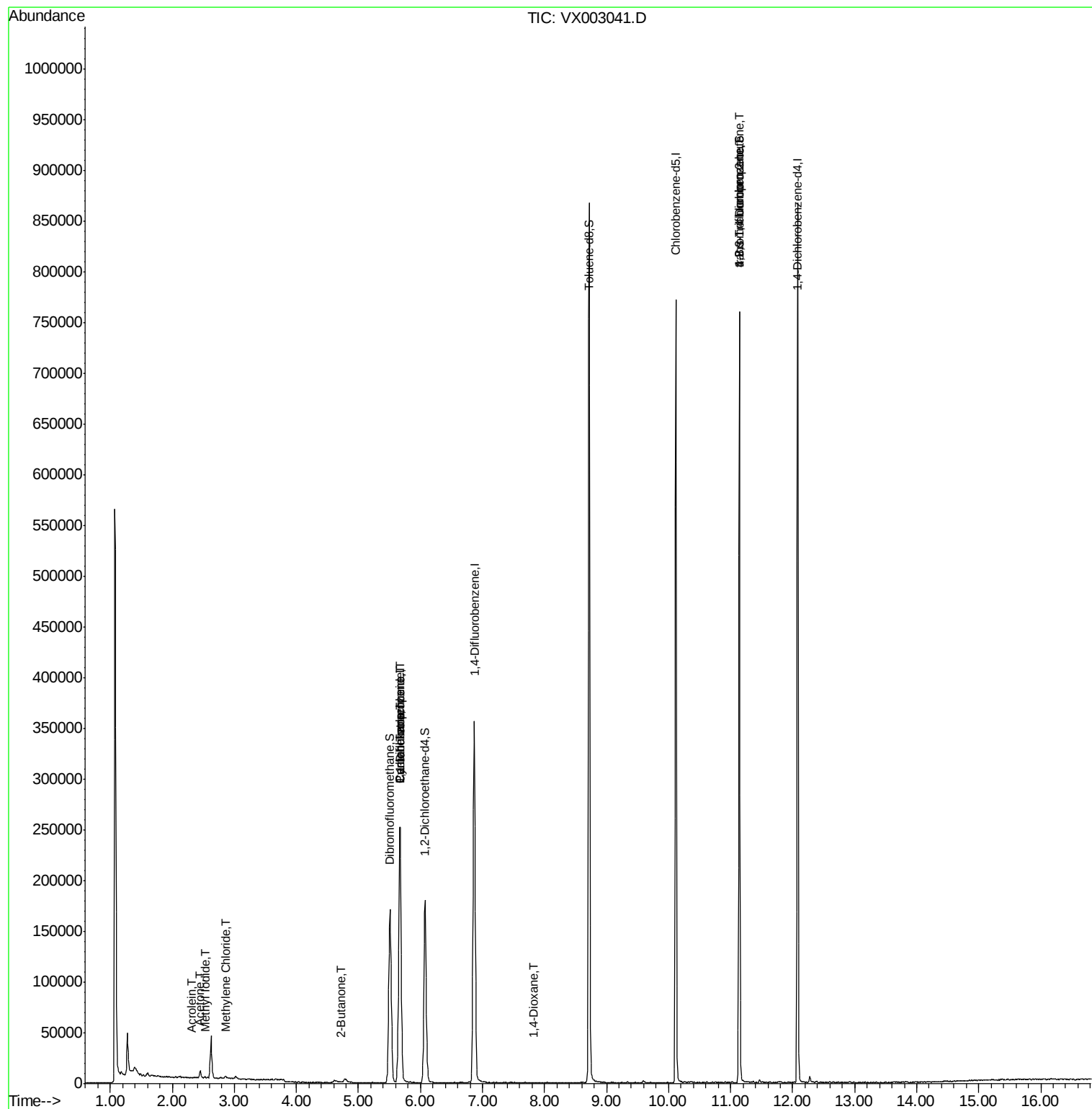
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	237	Below Cal		92
3) Chloromethane	1.32	50	627	Below Cal	#	45
5) Bromomethane	1.61	94	84	Below Cal	#	3
6) Chloroethane	1.70	64	192	Below Cal	#	43
10) Methyl Iodide	2.53	142	976	6.52	ug/l	96
13) Acrolein	2.31	56	192	4.71	ug/l	# 14
16) Acetone	2.45	43	7883	5.38	ug/l	95
20) Methylene Chloride	2.86	84	808	0.28	ug/l	# 93
25) 2-Butanone	4.73	43	550	0.25	ug/l	# 82
31) Cyclohexane	5.67	56	5038	1.13	ug/l	# 1
36) 1,1-Dichloropropene	5.67	75	17095	4.34	ug/l	# 51
38) Carbon Tetrachloride	5.67	117	23310	5.40	ug/l	# 17
49) 1,4-Dioxane	7.82	88	20	0.28	ug/l	# 1
76) 1,2,3-Trichloropropane	11.14	75	89724	26.32	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.14	75	89724	74.59	ug/l	# 7

(#) = 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# 834

Delta R.T. 0.01 min

Lab File: VX003041.D

Acq: 29 Jun 2018 20:44

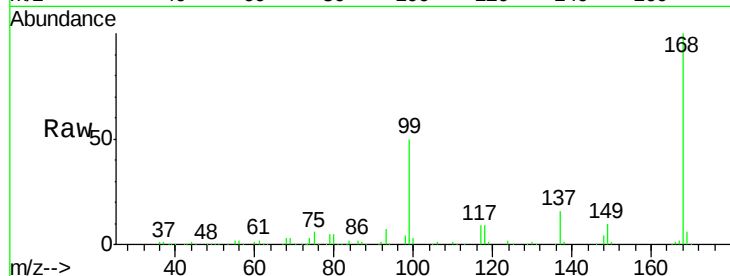
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 256147

Ion Ratio Lower Upper

168 100

99 50.4 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

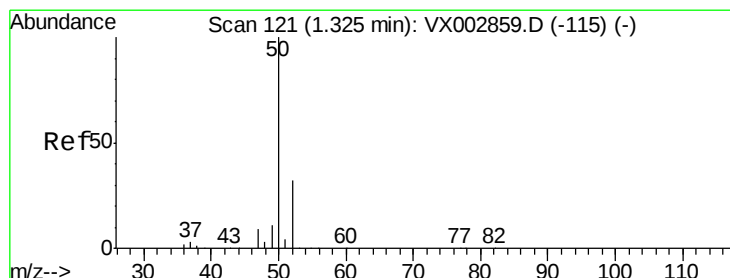
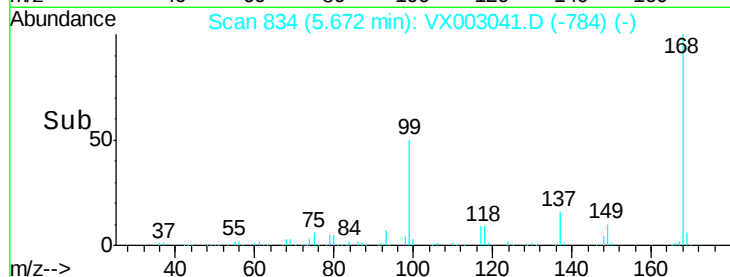
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003041.D

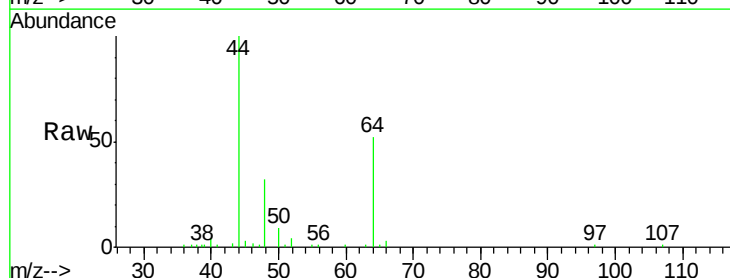
Acq: 29 Jun 2018 20:44

Tgt Ion: 50 Resp: 627

Ion Ratio Lower Upper

50 100

52 62.9 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

800

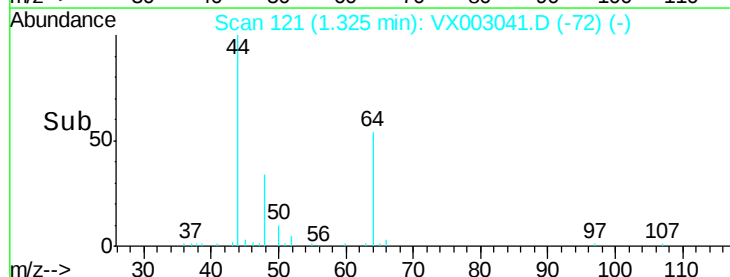
600

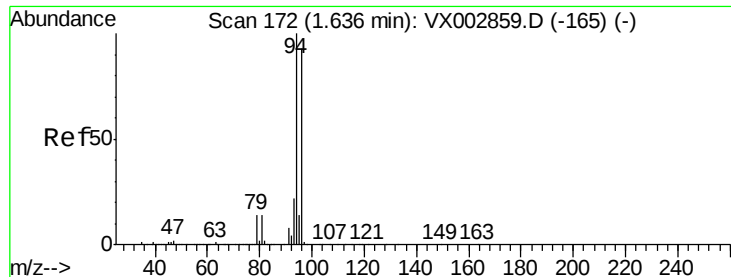
400

200

0

Time--> 1.30 1.35 1.40





#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 168

Delta R.T. -0.02 min

Lab File: VX003041.D

Acq: 29 Jun 2018 20:44

Instrument :

MSVOA_X

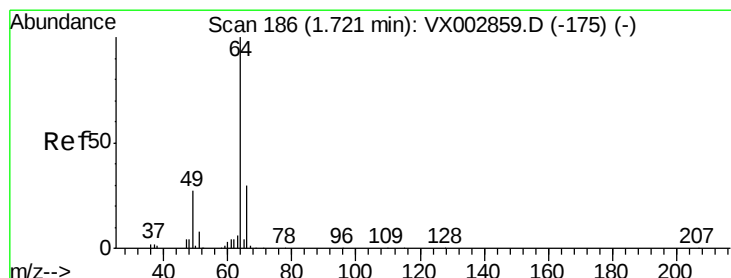
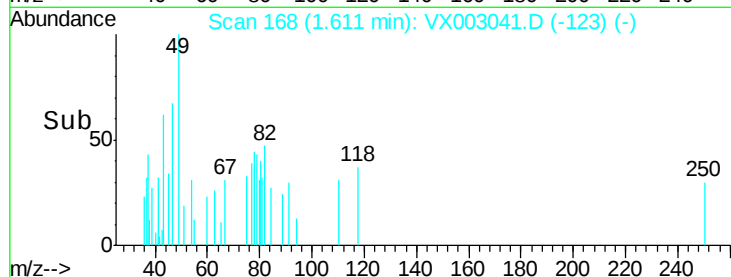
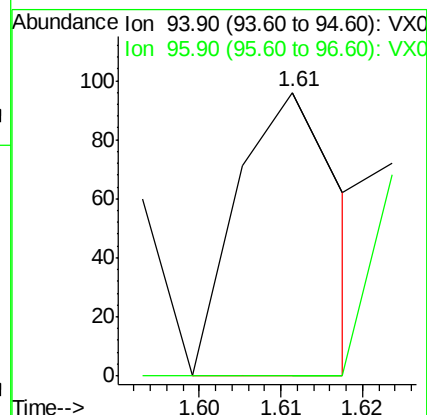
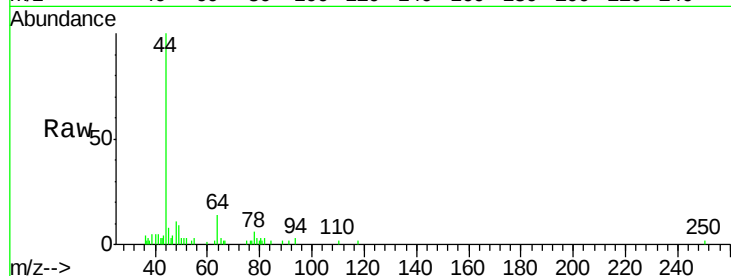
ClientSampleId :

Tot Ion: 94 Resp: 84

Ion Ratio Lower Upper

94 100

96 0.0 74.9 112.3#



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 183

Delta R.T. -0.02 min

Lab File: VX003041.D

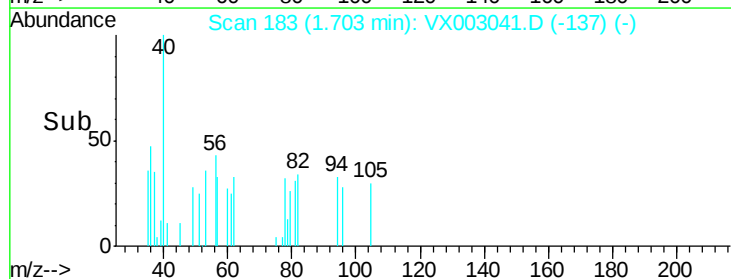
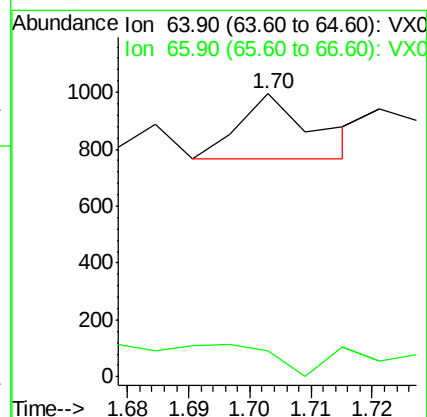
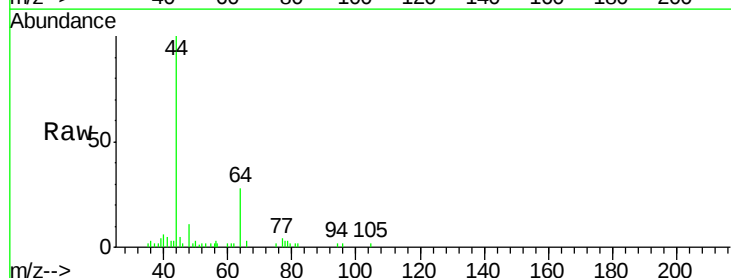
Acq: 29 Jun 2018 20:44

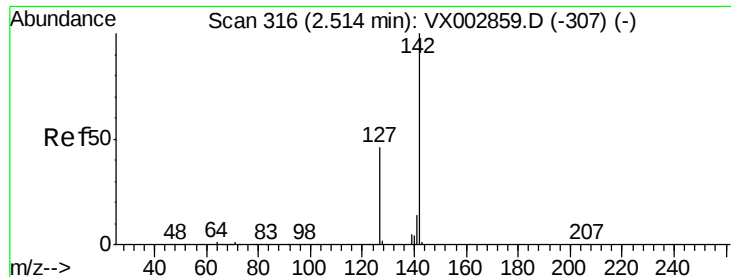
Tgt Ion: 64 Resp: 192

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#

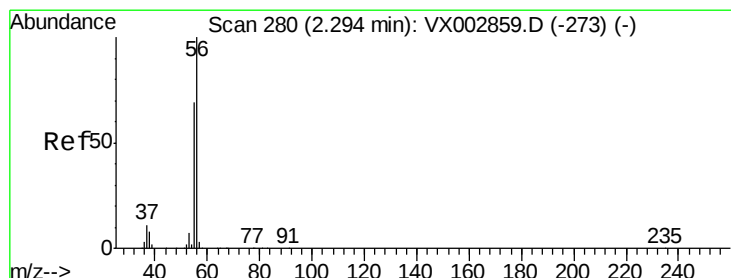
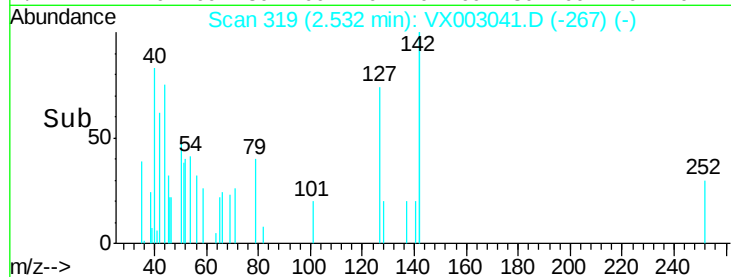
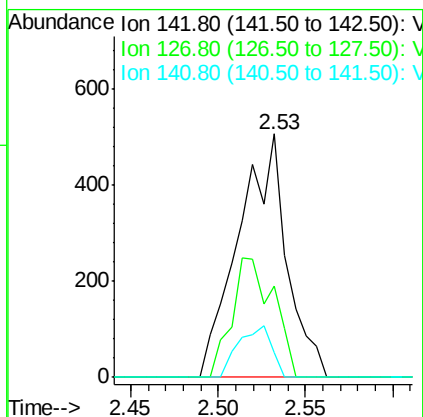
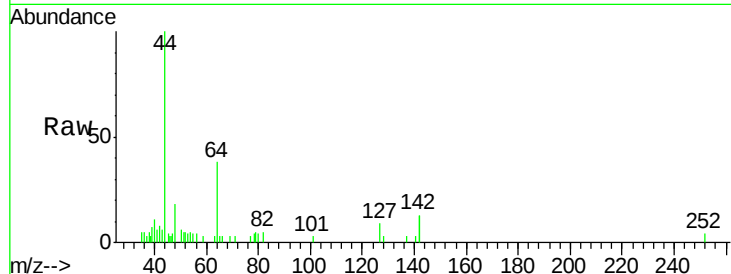




#10
Methvl Iodide
Concen: 6.52 ug/l
RT: 2.53 min Scan# 319
Delta R.T. 0.02 min
Lab File: VX003041.D
Acq: 29 Jun 2018 20:44

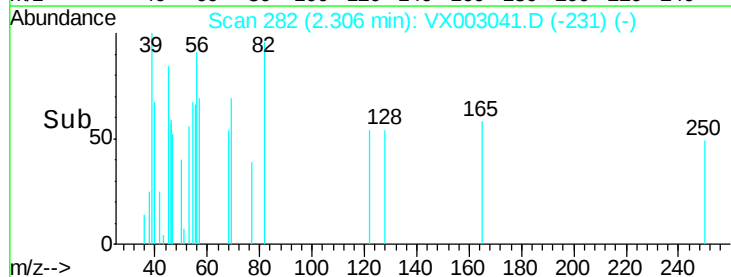
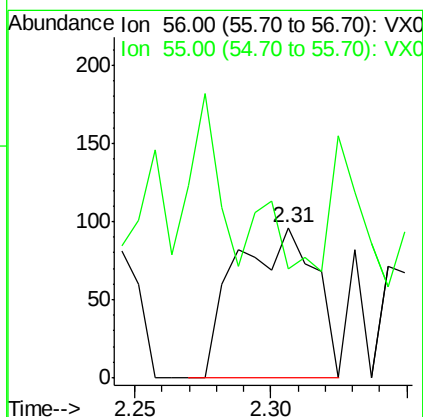
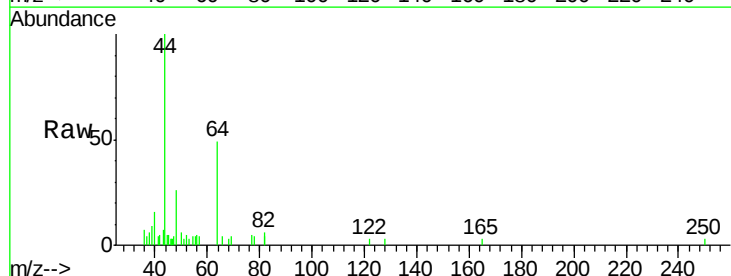
Instrument :
MSVOA_X
ClientSampleId :

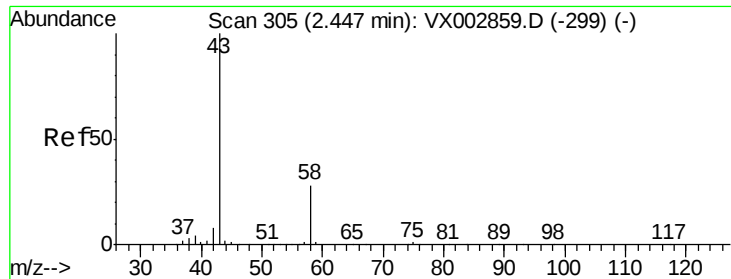
Tot Ion:142 Resp: 976
Ion Ratio Lower Upper
142 100
127 42.1 36.6 55.0
141 14.4 11.3 16.9



#13
Acrolein
Concen: 4.71 ug/l
RT: 2.31 min Scan# 282
Delta R.T. 0.01 min
Lab File: VX003041.D
Acq: 29 Jun 2018 20:44

Tgt Ion: 56 Resp: 192
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#





#16

Acetone

Concen: 5.38 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003041.D

Acq: 29 Jun 2018 20:44

Instrument :

MSVOA_X

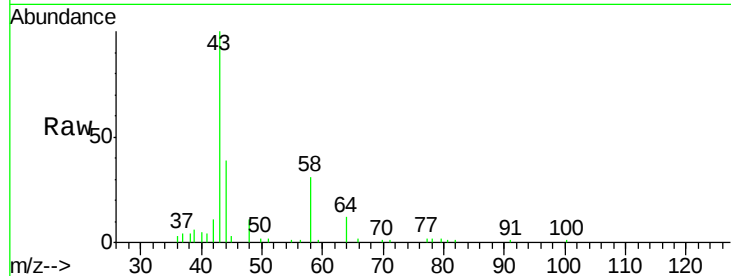
ClientSampled :

Tot Ion: 43 Resp: 7883

Ion Ratio Lower Upper

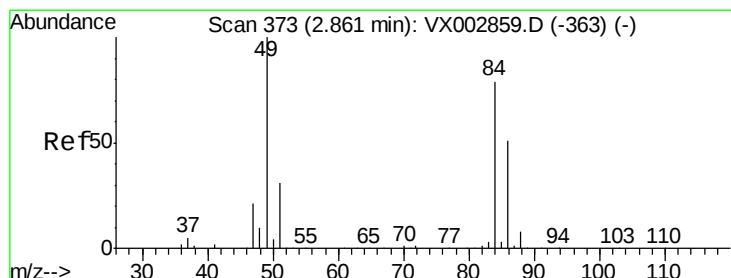
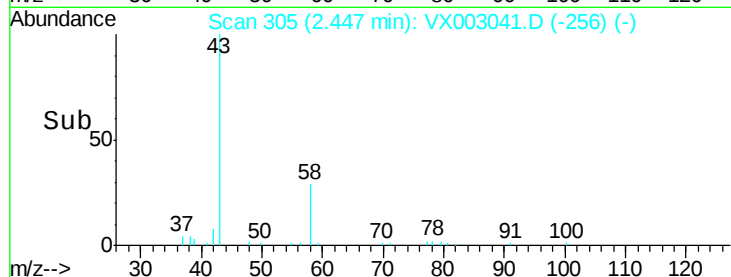
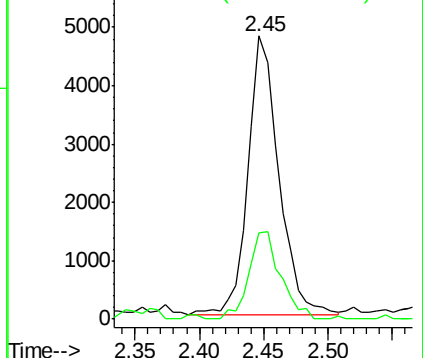
43 100

58 30.0 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 0.28 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX003041.D

Acq: 29 Jun 2018 20:44

Tgt Ion: 84 Resp: 808

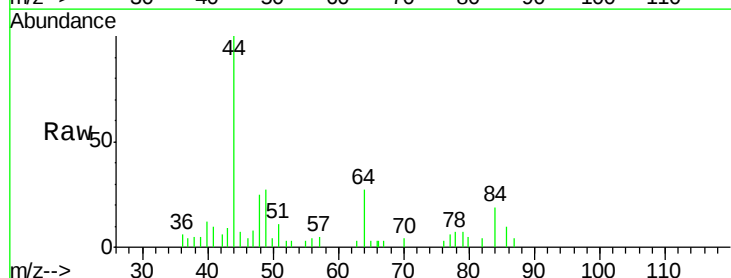
Ion Ratio Lower Upper

84 100

49 138.2 107.8 161.6

51 41.5 32.8 49.2

86 49.9 52.5 78.7#

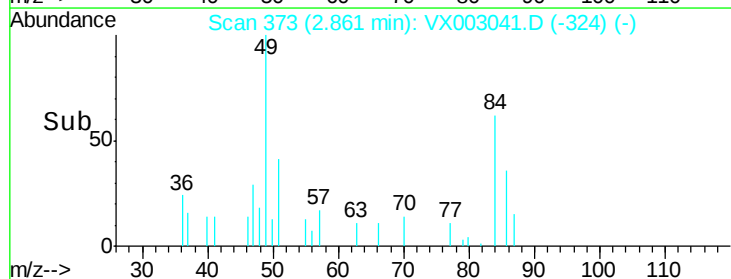
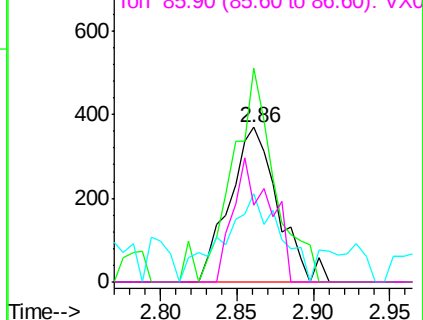


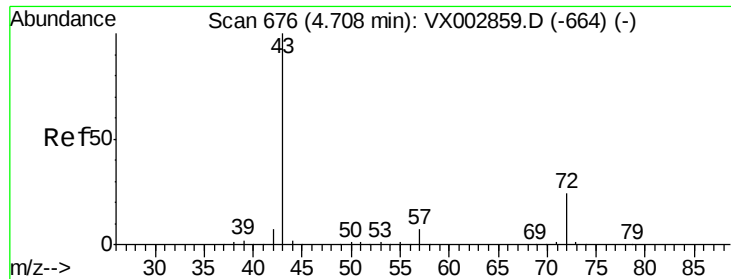
Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 0.25 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.02 min

Lab File: VX003041.D

Acq: 29 Jun 2018 20:44

Instrument :

MSVOA_X

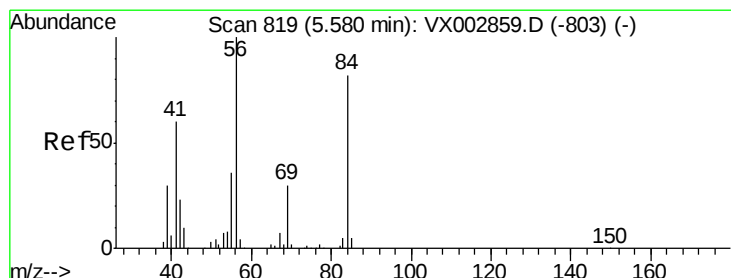
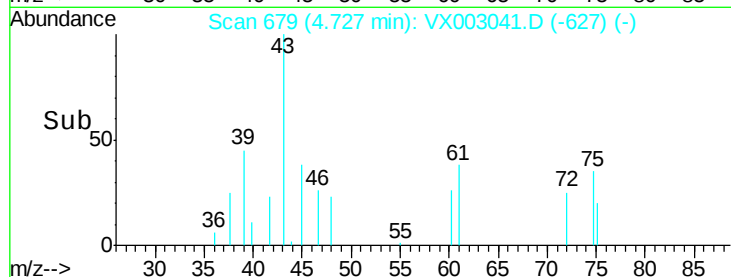
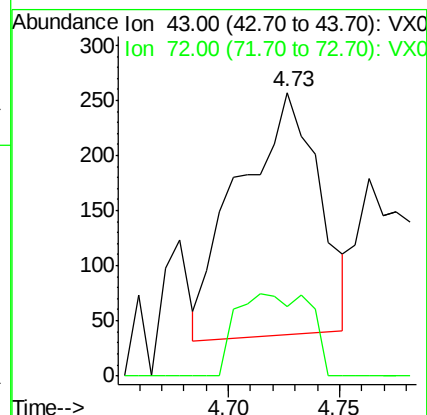
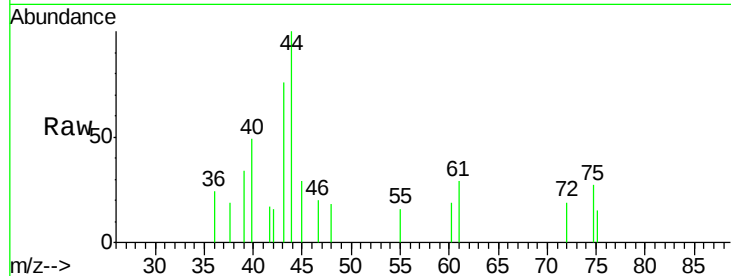
ClientSampled :

Tot Ion: 43 Resp: 550

Ion Ratio Lower Upper

43 100

72 31.7 18.5 27.7#



#31

Cyclohexane

Concen: 1.13 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX003041.D

Acq: 29 Jun 2018 20:44

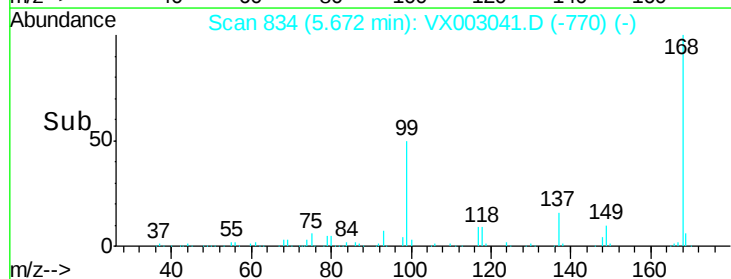
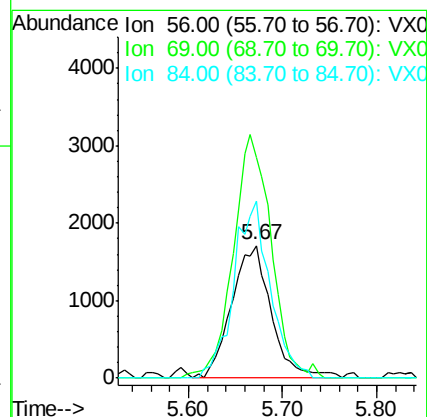
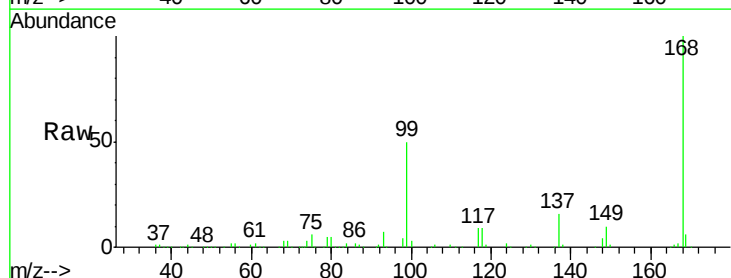
Tgt Ion: 56 Resp: 5038

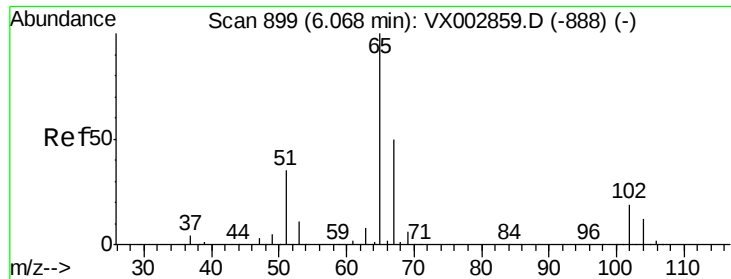
Ion Ratio Lower Upper

56 100

69 167.1 23.7 35.5#

84 134.2 64.1 96.1#

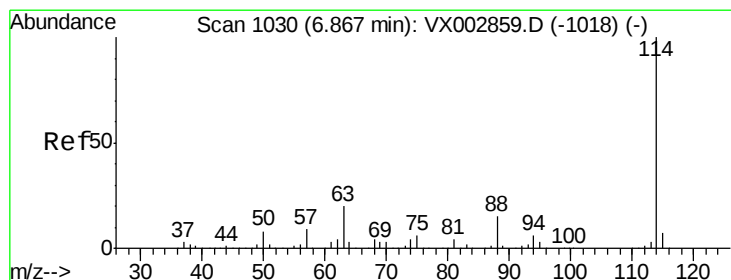
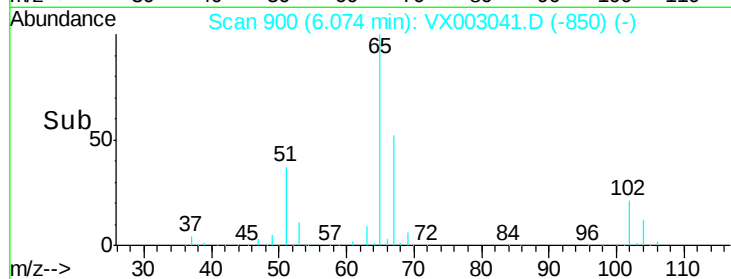
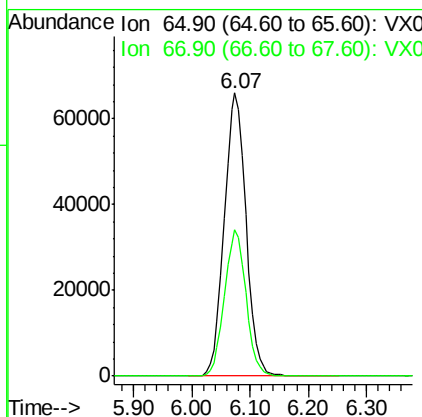
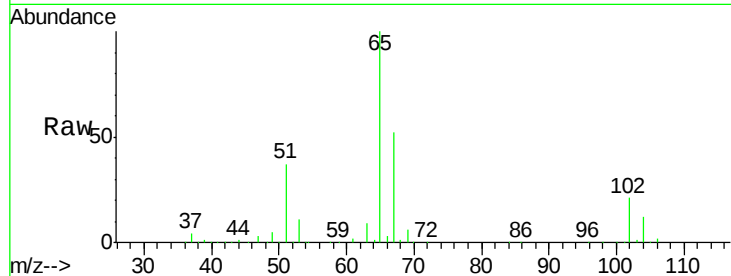




#33
 1,2-Dichloroethane-d4
 Concen: 48.56 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003041.D
 Acq: 29 Jun 2018 20:44

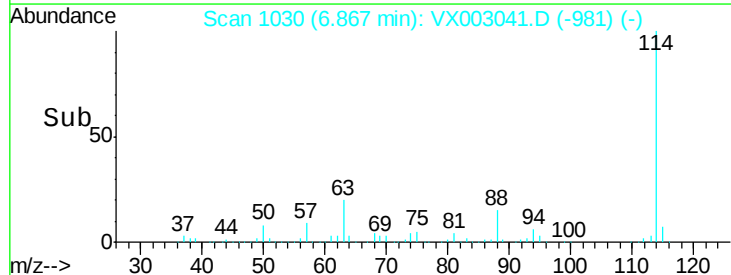
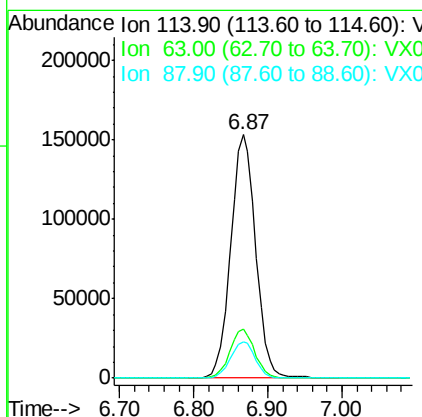
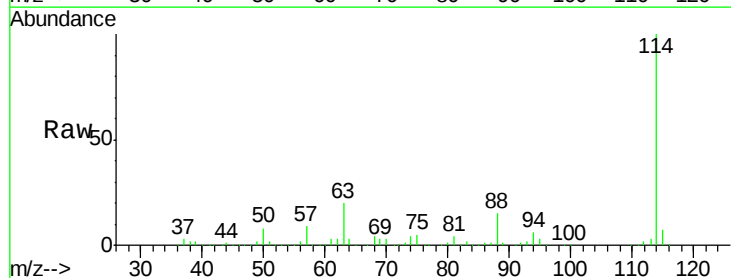
Instrument :
 MSVOA_X
 ClientSampleId :

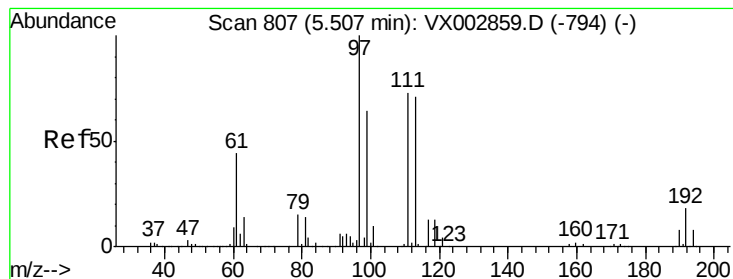
Tot Ion: 65 Resp: 171936
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003041.D
 Acq: 29 Jun 2018 20:44

Tgt Ion: 114 Resp: 358787
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.4
 88 14.8 0.0 30.0





#35

Dibromofluoromethane

Concen: 48.96 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003041.D

Acq: 29 Jun 2018 20:44

Instrument :
MSVOA_X
ClientSampleId :

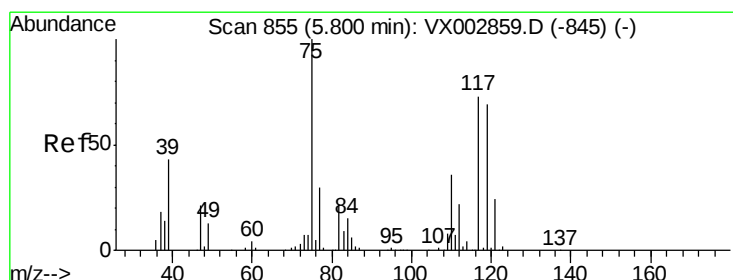
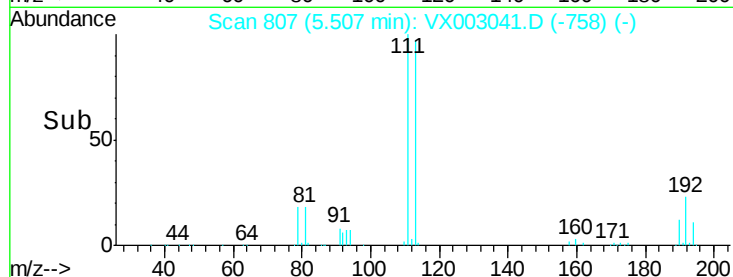
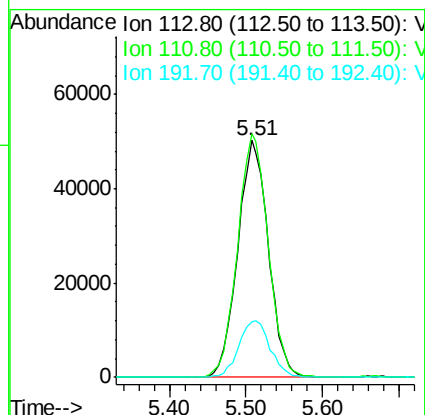
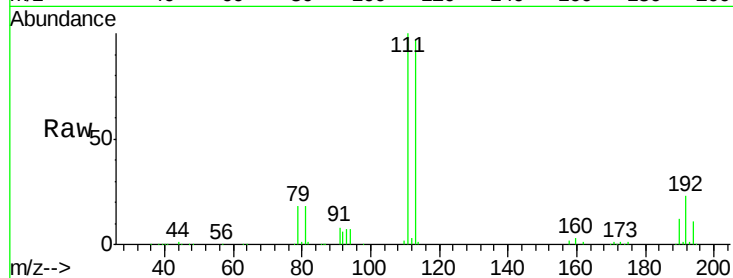
Tot Ion:113 Resp: 139102

Ion Ratio Lower Upper

113 100

111 102.8 81.4 122.0

192 24.4 19.1 28.7



#36

1,1-Dichloropropene

Concen: 4.34 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX003041.D

Acq: 29 Jun 2018 20:44

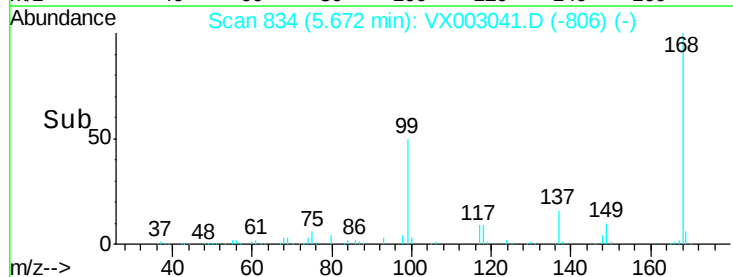
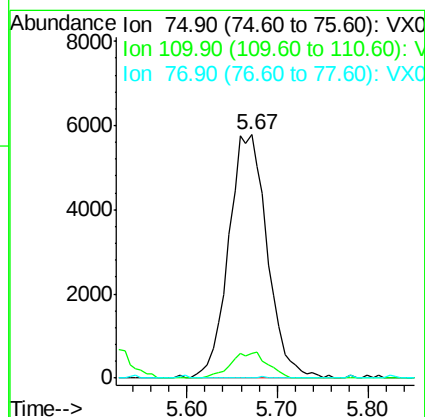
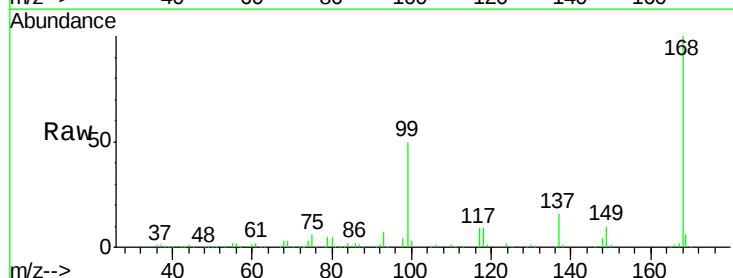
Tgt Ion: 75 Resp: 17095

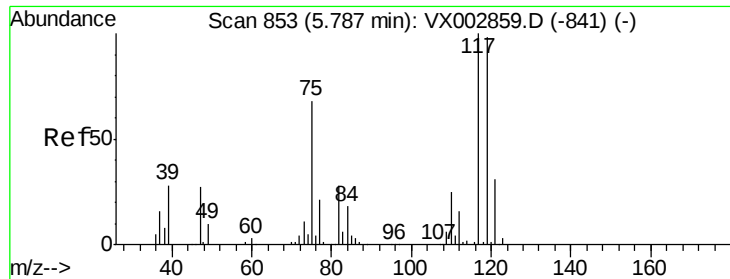
Ion Ratio Lower Upper

75 100

110 10.1 18.1 54.4#

77 0.1 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 5.40 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX003041.D

Acq: 29 Jun 2018 20:44

Instrument :

MSVOA_X

ClientSampleId :

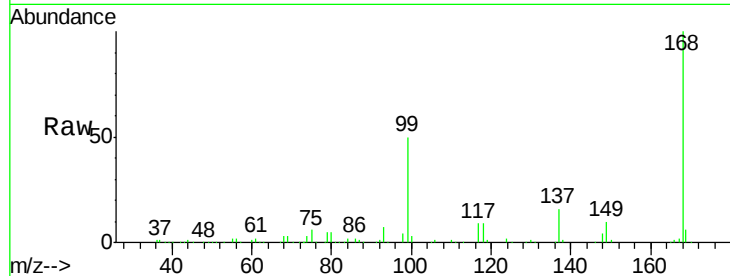
Tot Ion:117 Resp: 23310

Ion Ratio Lower Upper

117 100

119 6.2 77.4 116.0#

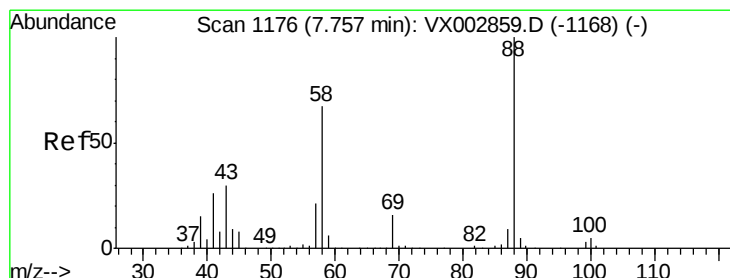
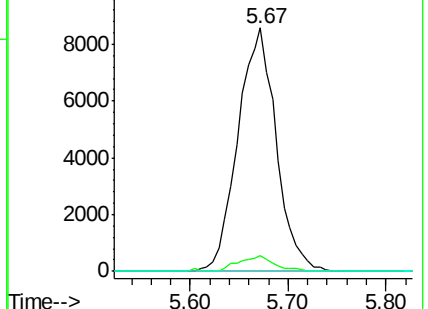
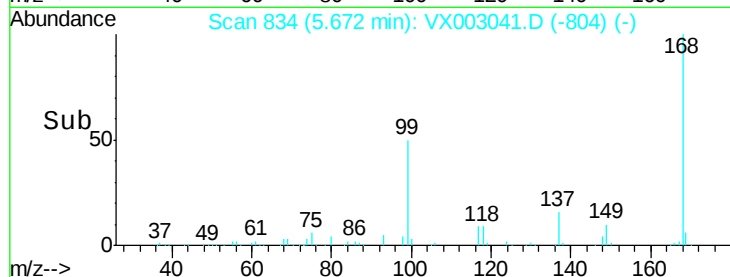
121 0.0 24.4 36.6#



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



#49

1,4-Dioxane

Concen: 0.28 ug/l

RT: 7.82 min Scan# 1187

Delta R.T. 0.07 min

Lab File: VX003041.D

Acq: 29 Jun 2018 20:44

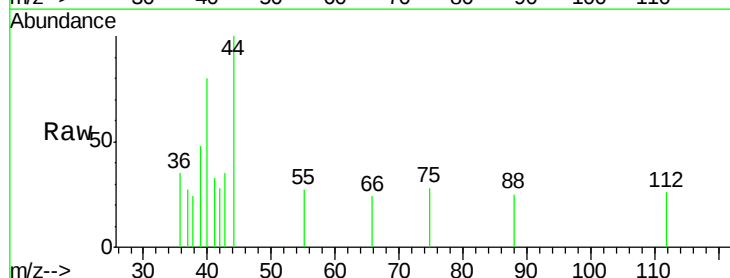
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 135.0 29.8 44.6#

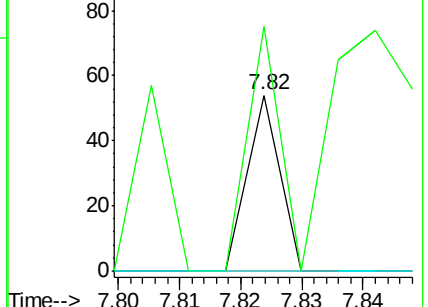
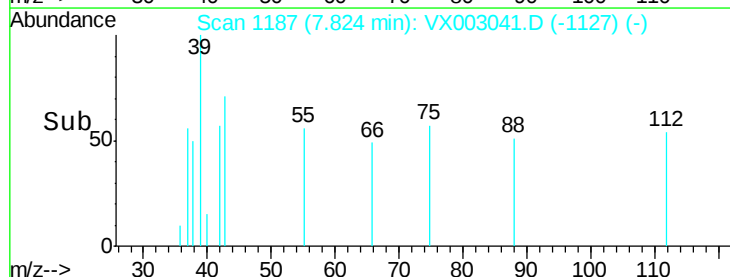
58 0.0 57.1 85.7#

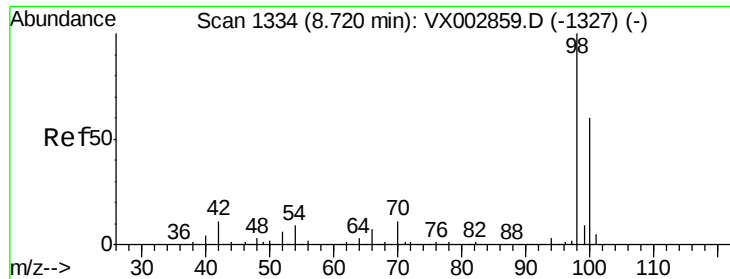


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.37 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003041.D

Acq: 29 Jun 2018 20:44

Instrument :

MSVOA_X

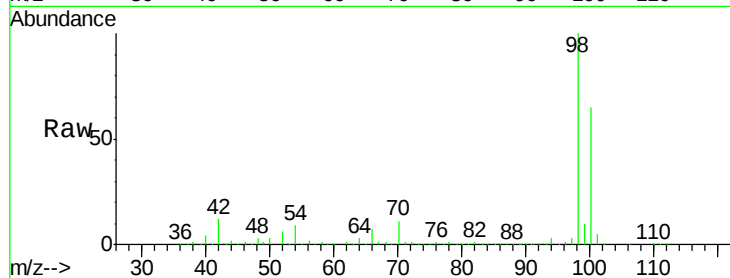
ClientSampleId :

Tot Ion: 98 Resp: 501822

Ion Ratio Lower Upper

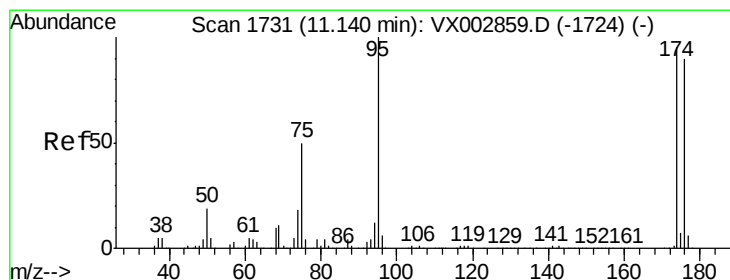
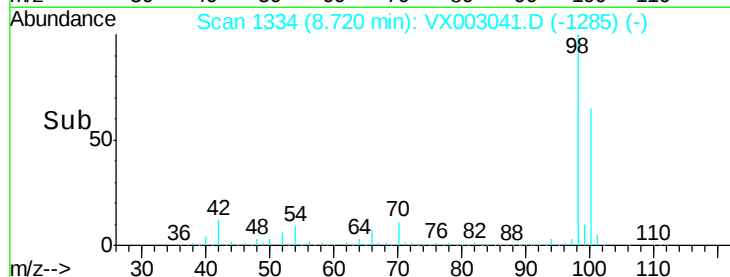
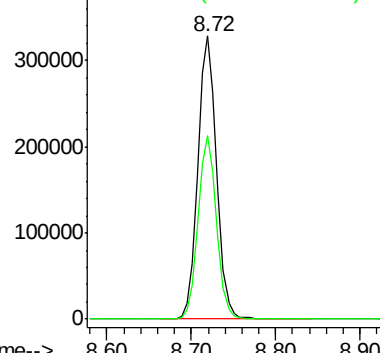
98 100

100 63.9 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 43.96 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003041.D

Acq: 29 Jun 2018 20:44

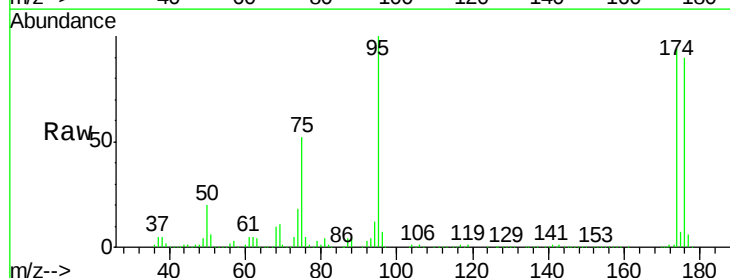
Tgt Ion: 95 Resp: 175907

Ion Ratio Lower Upper

95 100

174 97.3 0.0 187.4

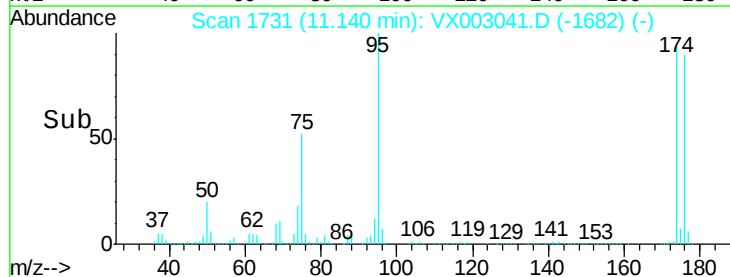
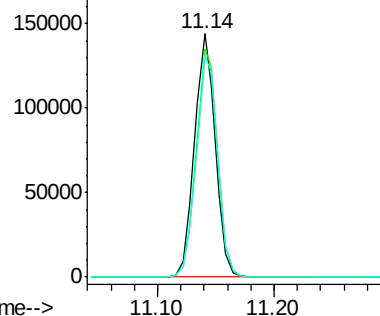
176 93.8 0.0 181.0

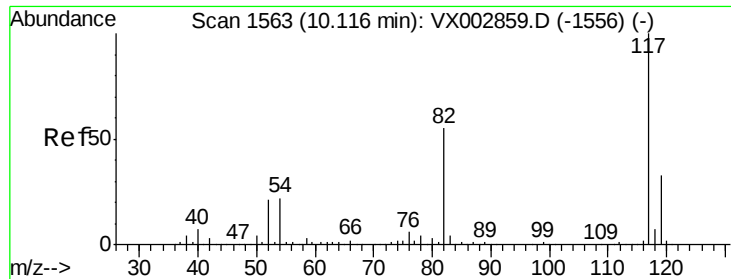


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

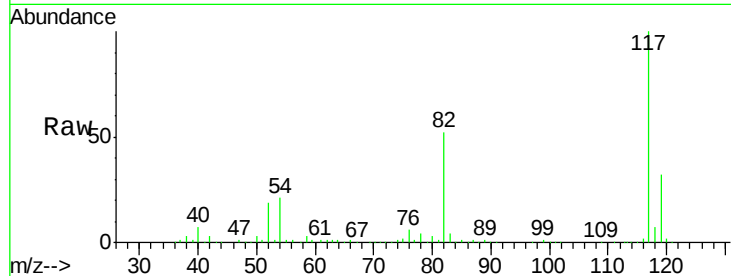




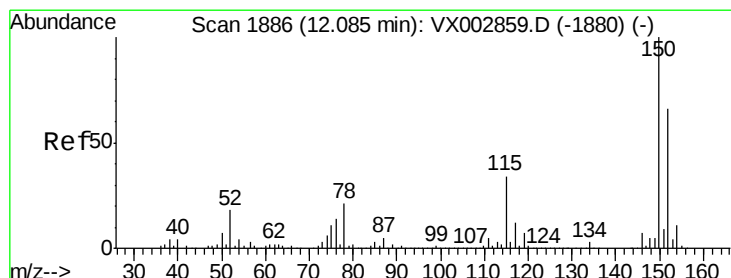
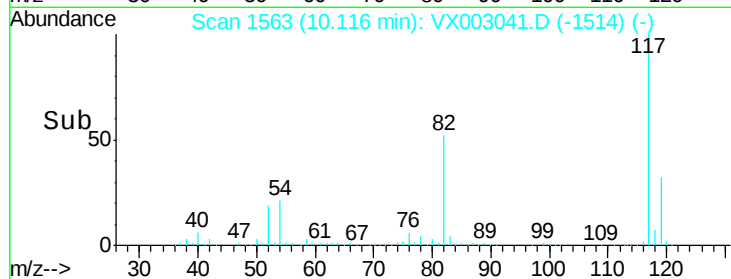
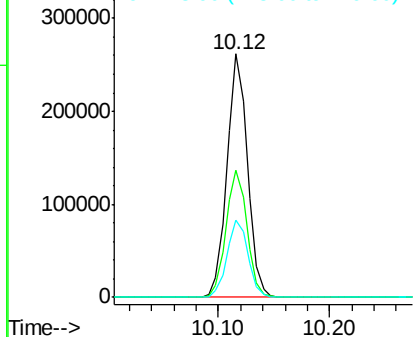
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003041.D
Acq: 29 Jun 2018 20:44

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 333034
Ion Ratio Lower Upper
117 100
82 52.2 45.0 67.4
119 31.8 25.8 38.6

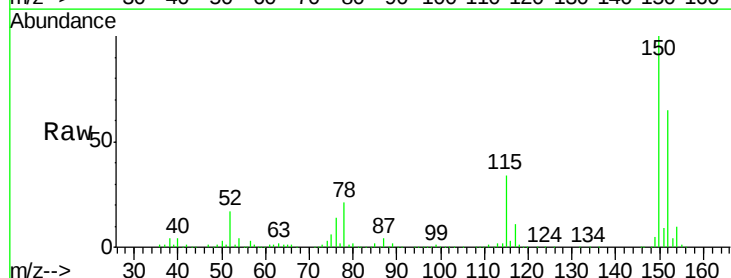


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

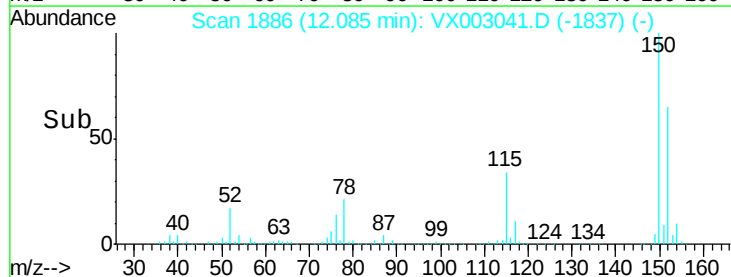
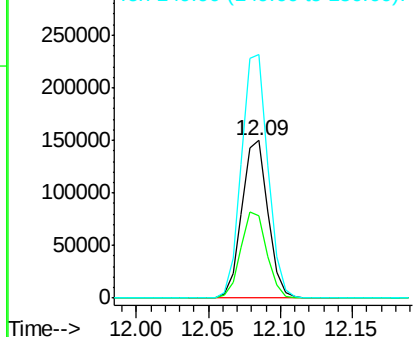


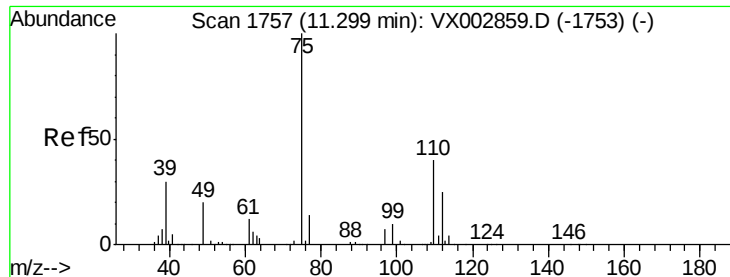
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX003041.D
Acq: 29 Jun 2018 20:44

Tgt Ion:152 Resp: 188196
Ion Ratio Lower Upper
152 100
115 54.8 40.1 120.2
150 157.0 0.0 347.2



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: 26.32 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003041.D

Acq: 29 Jun 2018 20:44

Instrument :

MSVOA_X

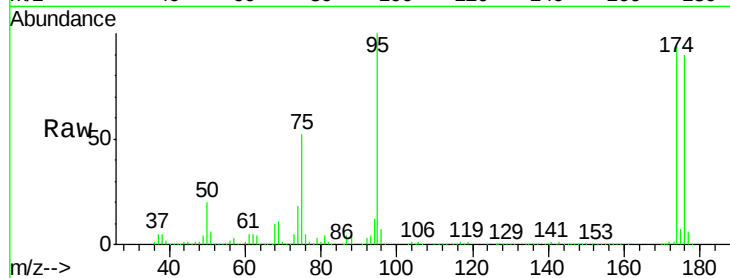
ClientSampleId :

Tot Ion: 75 Resp: 89724

Ion Ratio Lower Upper

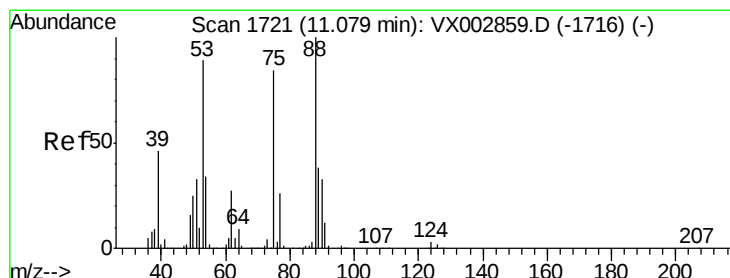
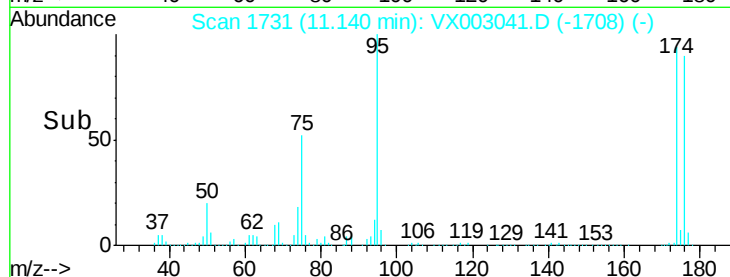
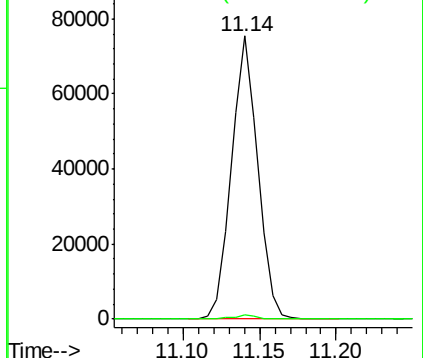
75 100

77 1.4 22.8 68.3#



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: 74.59 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003041.D

Acq: 29 Jun 2018 20:44

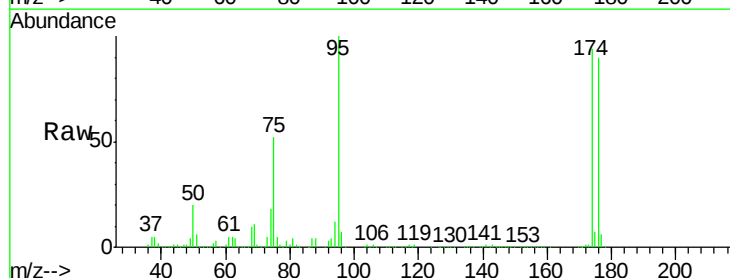
Tgt Ion: 75 Resp: 89724

Ion Ratio Lower Upper

75 100

53 0.3 86.8 130.2#

89 0.0 38.2 57.2#



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

