

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042920\
 Data File : VX015973.D
 Acq On : 29 Apr 2020 13:47
 Operator : JC/SP
 Sample : L2406-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 30 05:34:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042820W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 17:30:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	281181	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	446693	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	438470	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	227372	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	172782	47.00	ug/l	0.00
Spiked Amount			Recovery	=	94.00%	
35) Dibromofluoromethane	5.46	113	132673	47.61	ug/l	0.00
Spiked Amount			Recovery	=	95.22%	
50) Toluene-d8	8.70	98	544797	52.29	ug/l	0.00
Spiked Amount			Recovery	=	104.58%	
62) 4-Bromofluorobenzene	11.12	95	221300	54.16	ug/l	0.00
Spiked Amount			Recovery	=	108.32%	

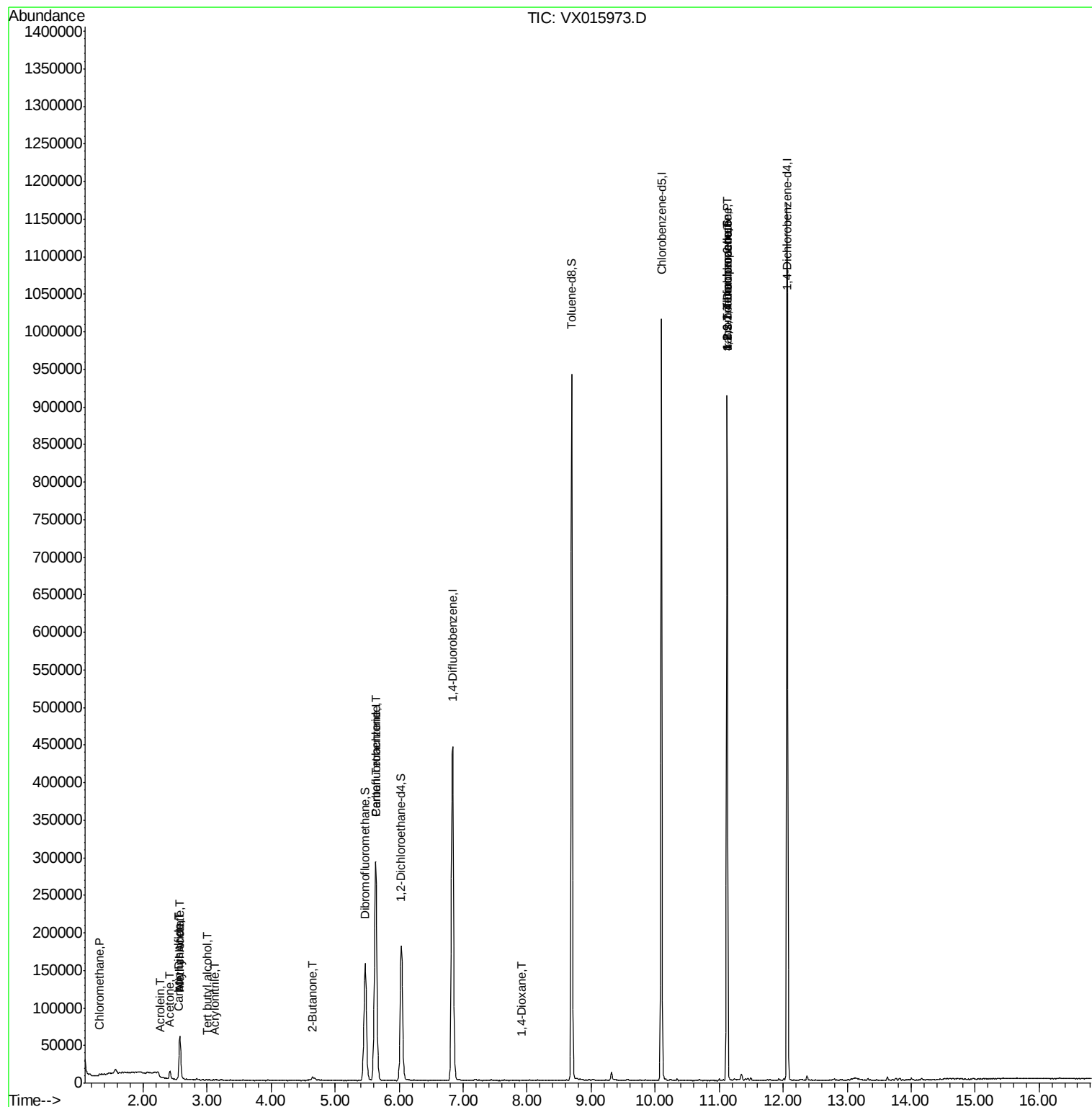
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1006	0.330	ug/l #	88
11) Tert butyl alcohol	3.00	59	481	0.539	ug/l	99
13) Acrolein	2.27	56	260	1.159	ug/l #	4
14) Allyl chloride	2.57	41	6021	1.241	ug/l #	66
15) Acrylonitrile	3.12	53	553	0.313	ug/l #	74
16) Acetone	2.42	43	11395	7.248	ug/l	99
17) Carbon Disulfide	2.56	76	3907	0.243	ug/l	98
18) Methyl Acetate	2.57	43	14108	3.162	ug/l #	52
25) 2-Butanone	4.64	43	1060	0.416	ug/l #	74
38) Carbon Tetrachloride	5.63	117	26714	5.945	ug/l #	17
49) 1,4-Dioxane	7.92	88	21	0.239	ug/l #	51
75) 1,1,2,2-Tetrachloroethane	11.12	83	293	3.776	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	117008	24.525	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	117008	57.956	ug/l #	10

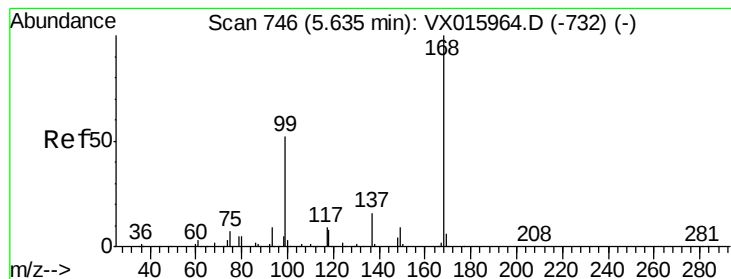
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042820W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 28 17:30:11 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX015973.D

Acq: 29 Apr 2020 13:47

Instrument :

MSVOA_X

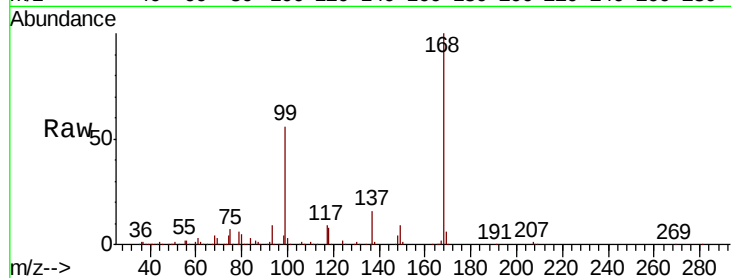
ClientSampled :

Tot Ion:168 Resp: 281181

Ion Ratio Lower Upper

168 100

99 55.9 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

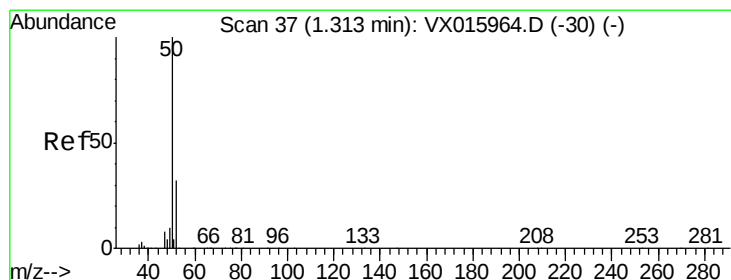
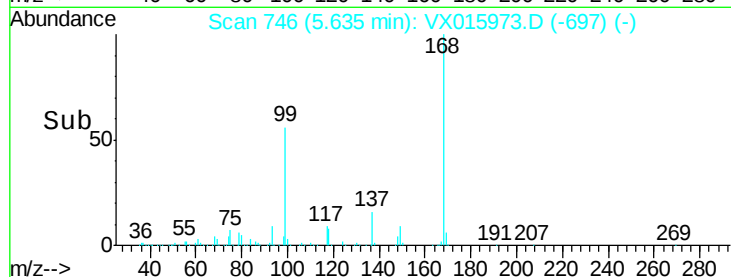
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.330 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX015973.D

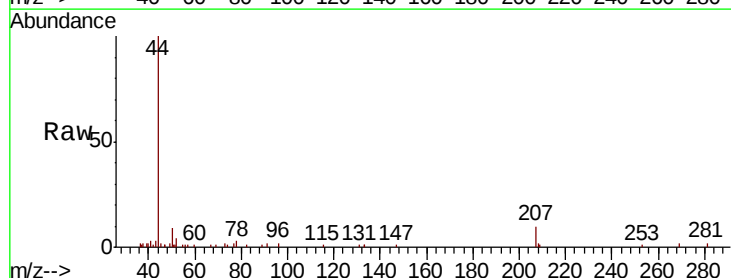
Acq: 29 Apr 2020 13:47

Tgt Ion: 50 Resp: 1006

Ion Ratio Lower Upper

50 100

52 38.4 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

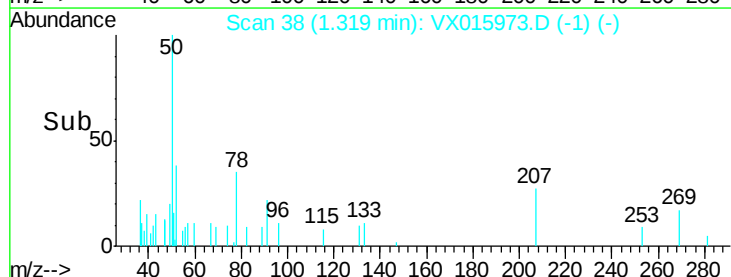
600

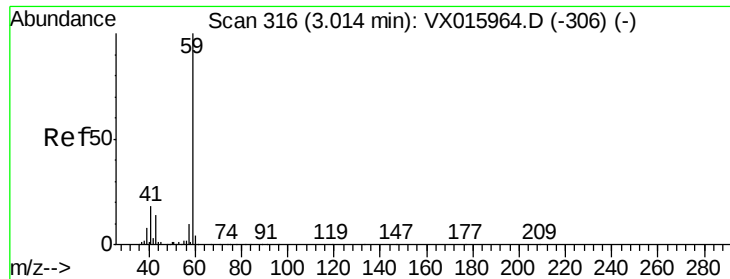
400

200

0

Time-->

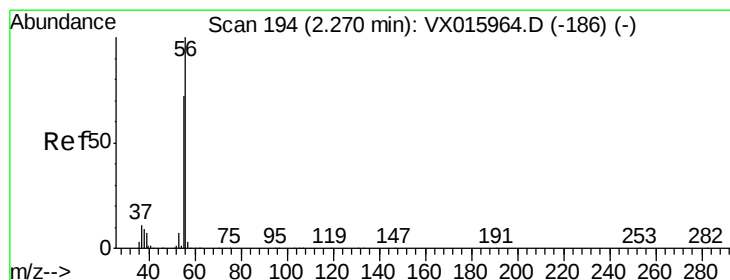
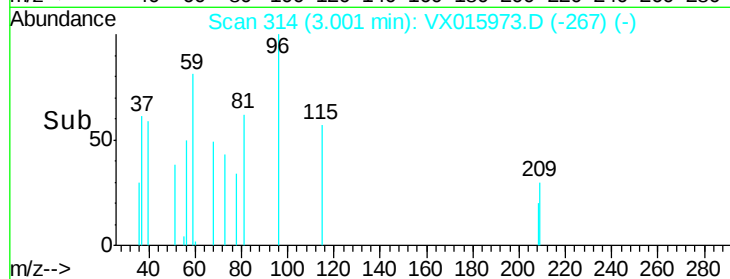
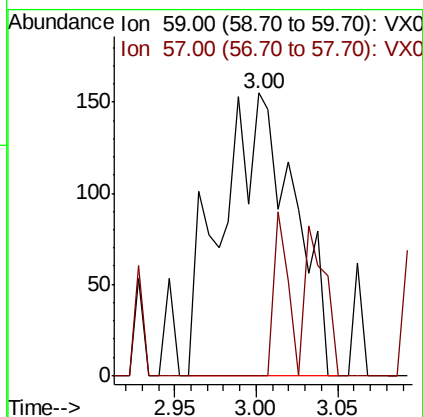
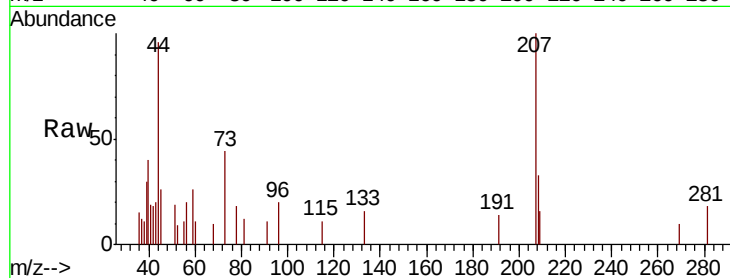




#11
Tert butvl alcohol
Concen: 0.539 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX015973.D
Acq: 29 Apr 2020 13:47

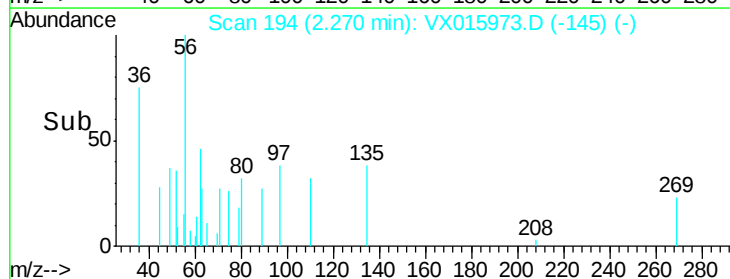
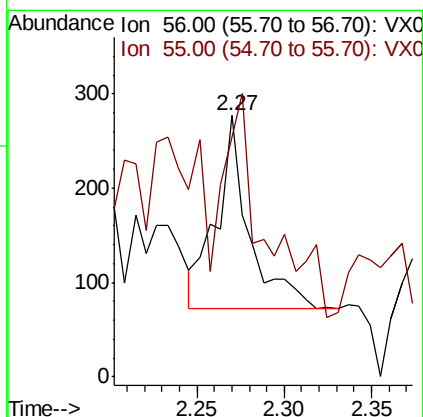
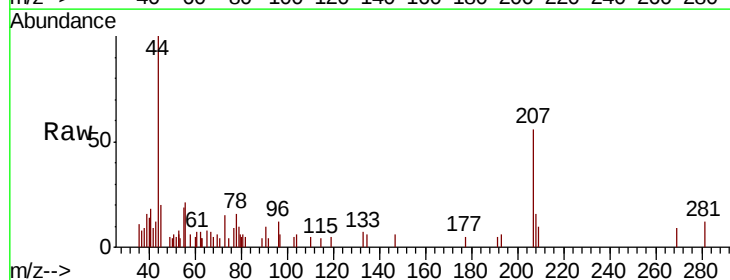
Instrument :
MSVOA_X
ClientSampled :

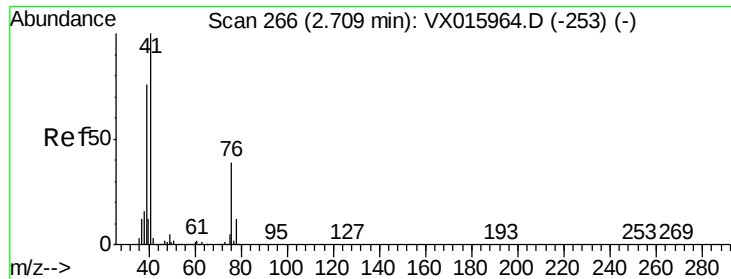
Tot Ion: 59.00 Resp: 481
Ion Ratio Lower Upper
59 100
57 10.8 8.3 12.5



#13
Acrolein
Concen: 1.159 ug/l
RT: 2.27 min Scan# 194
Delta R.T. 0.00 min
Lab File: VX015973.D
Acq: 29 Apr 2020 13:47

Tgt Ion: 56 Resp: 260
Ion Ratio Lower Upper
56 100
55 150.4 56.9 85.3#

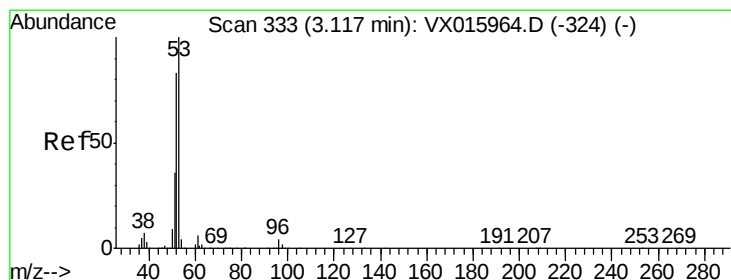
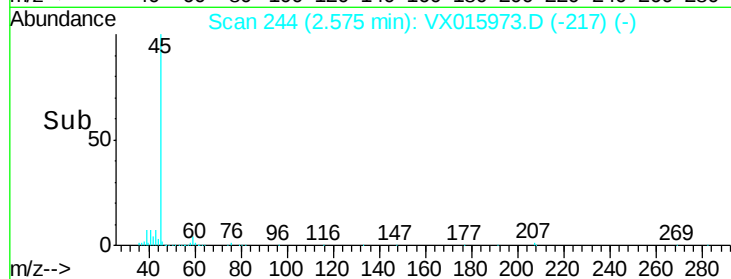
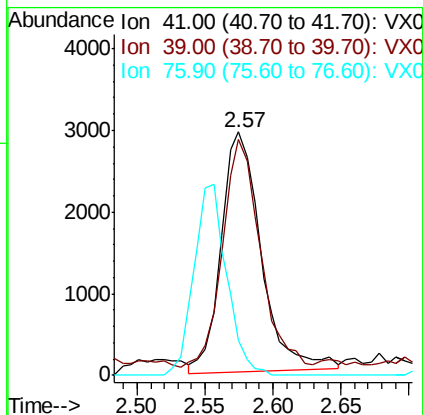
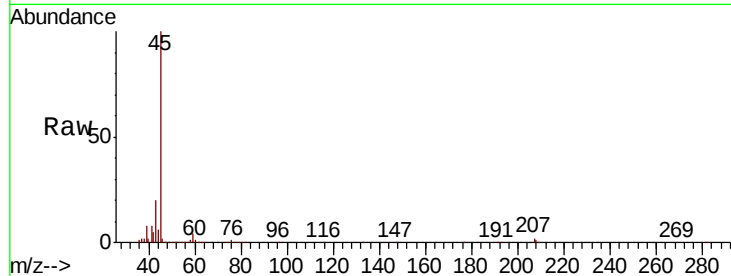




#14
Allvl chloride
Concen: 1.241 ug/l
RT: 2.57 min Scan# 244
Delta R.T. -0.13 min
Lab File: VX015973.D
Acq: 29 Apr 2020 13:47

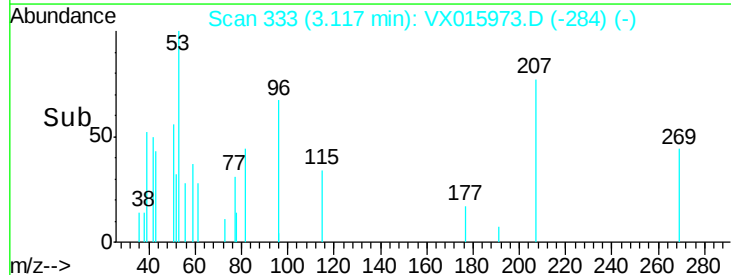
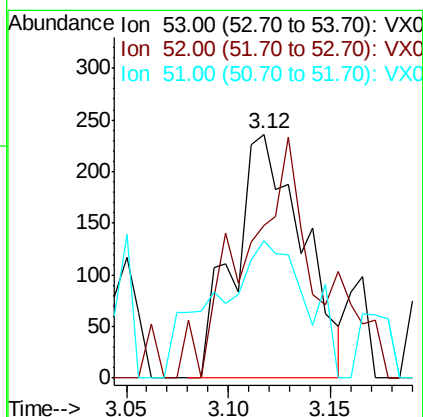
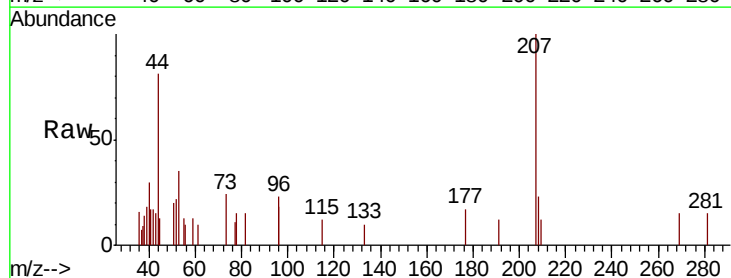
Instrument :
MSVOA_X
ClientSampleId :

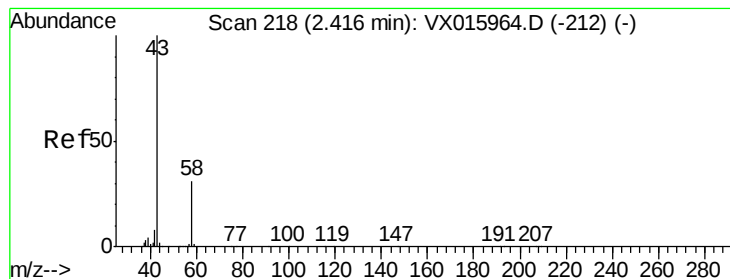
Tot Ion: 41 Resp: 6021
Ion Ratio Lower Upper
41 100
39 88.7 55.4 83.0#
76 64.9 27.1 40.7#



#15
Acrylonitrile
Concen: 0.313 ug/l
RT: 3.12 min Scan# 333
Delta R.T. 0.00 min
Lab File: VX015973.D
Acq: 29 Apr 2020 13:47

Tgt Ion: 53 Resp: 553
Ion Ratio Lower Upper
53 100
52 88.2 65.5 98.3
51 75.6 28.7 43.1#





#16

Acetone

Concen: 7.248 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX015973.D

Acq: 29 Apr 2020 13:47

Instrument :

MSVOA_X

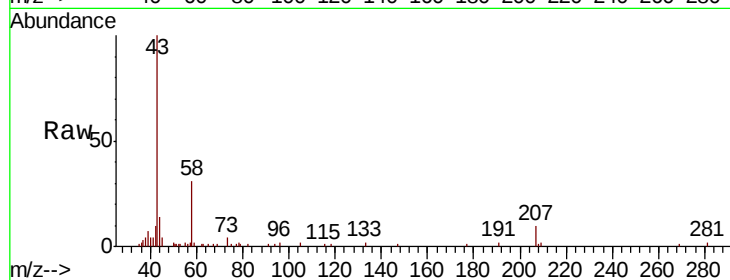
ClientSampleId :

Tot Ion: 43 Resp: 11395

Ion Ratio Lower Upper

43 100

58 31.7 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

6000

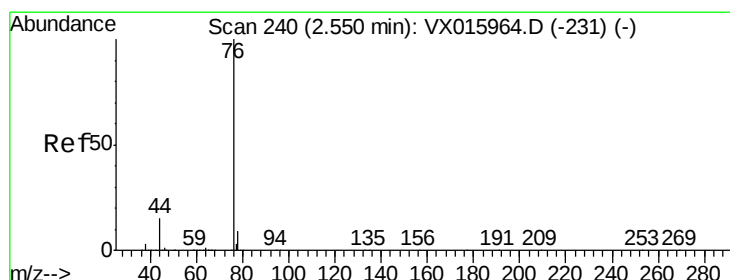
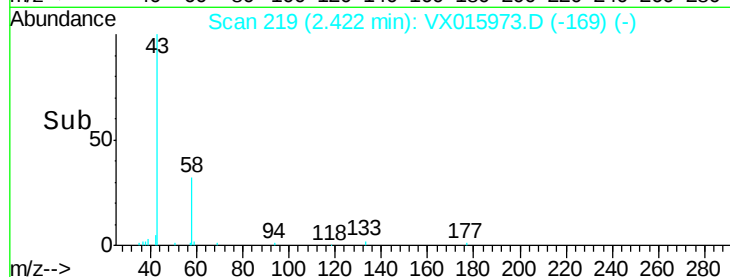
4000

2000

0

Time-->

2.35 2.40 2.45 2.50



#17

Carbon Disulfide

Concen: 0.243 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX015973.D

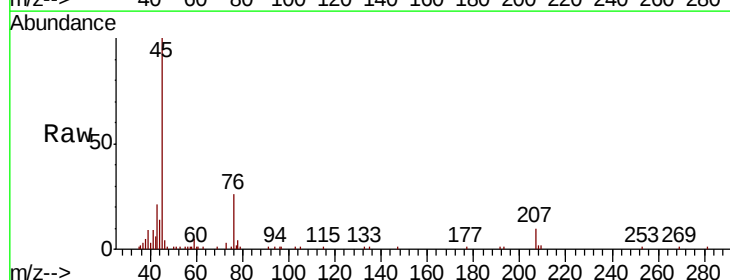
Acq: 29 Apr 2020 13:47

Tgt Ion: 76 Resp: 3907

Ion Ratio Lower Upper

76 100

78 10.1 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

2500

2000

1500

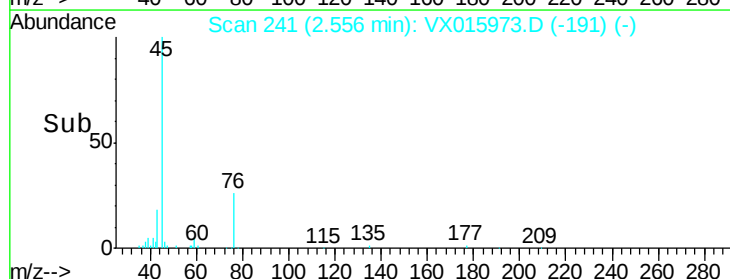
1000

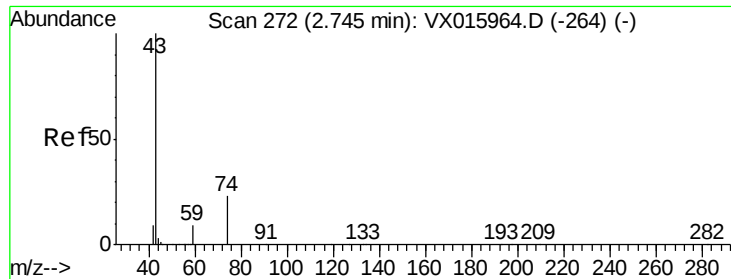
500

0

Time-->

2.50 2.55 2.60

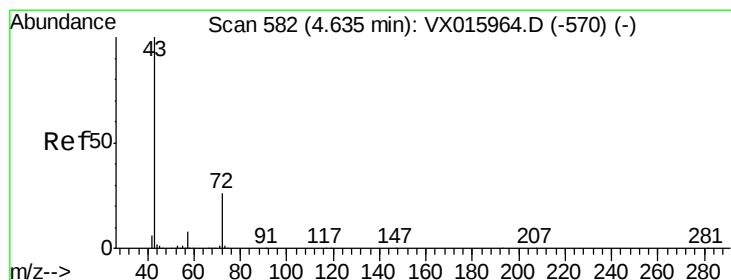
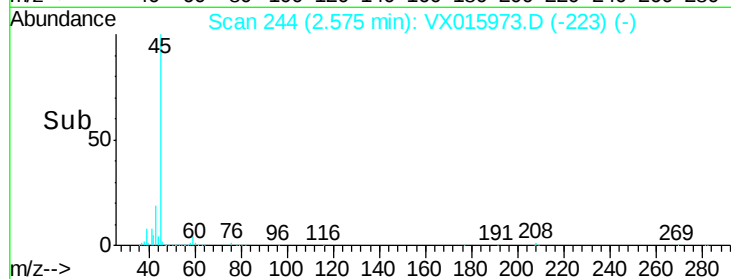
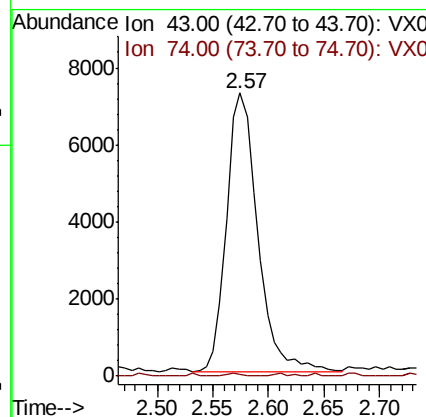
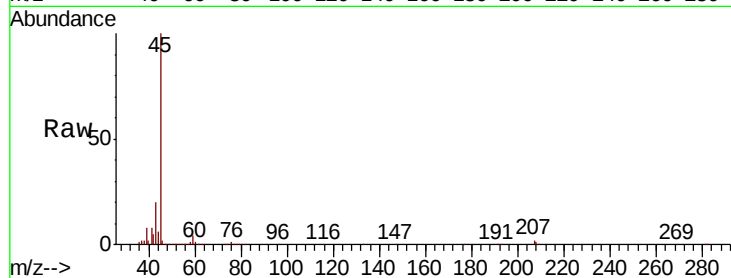




#18
Methvl Acetate
Concen: 3.162 ug/l
RT: 2.57 min Scan# 244
Delta R.T. -0.17 min
Lab File: VX015973.D
Acq: 29 Apr 2020 13:47

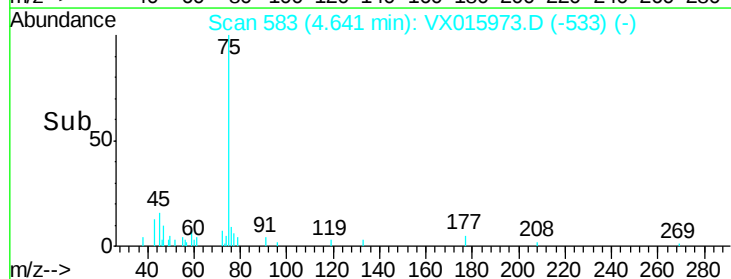
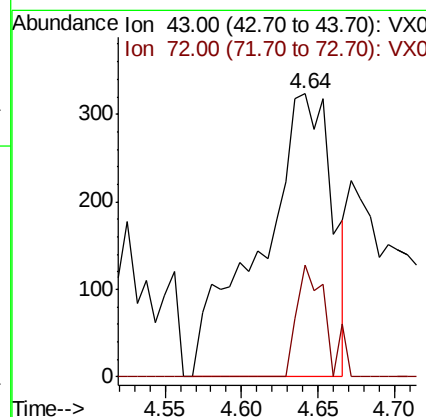
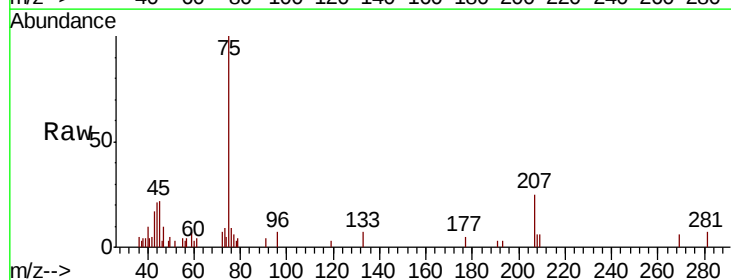
Instrument :
MSVOA_X
ClientSampleId :

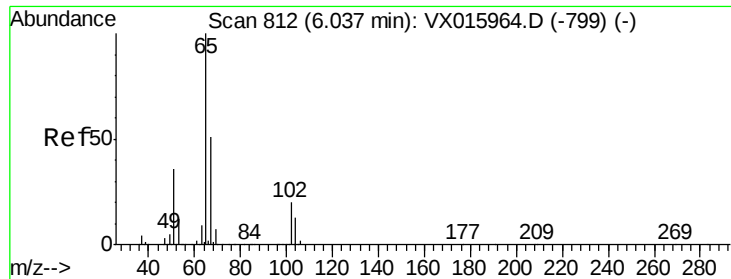
Tot Ion: 43 Resp: 14108
Ion Ratio Lower Upper
43 100
74 0.5 19.6 29.4#



#25
2-Butanone
Concen: 0.416 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX015973.D
Acq: 29 Apr 2020 13:47

Tgt Ion: 43 Resp: 1060
Ion Ratio Lower Upper
43 100
72 39.3 21.0 31.4#





#33

1,2-Dichloroethane-d4

Concen: 46.998 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.01 min

Lab File: VX015973.D

Acq: 29 Apr 2020 13:47

Instrument :

MSVOA_X

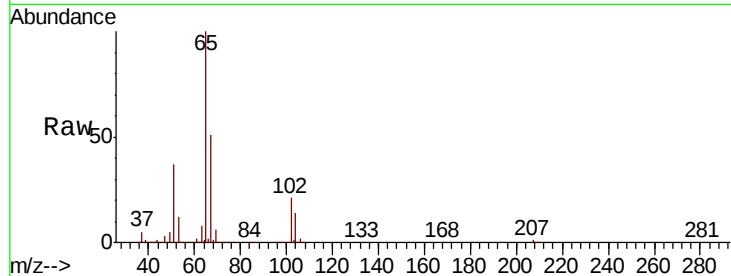
ClientSampleId :

Tot Ion: 65 Resp: 172782

Ion Ratio Lower Upper

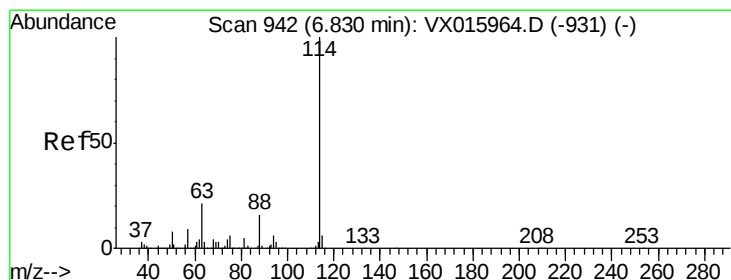
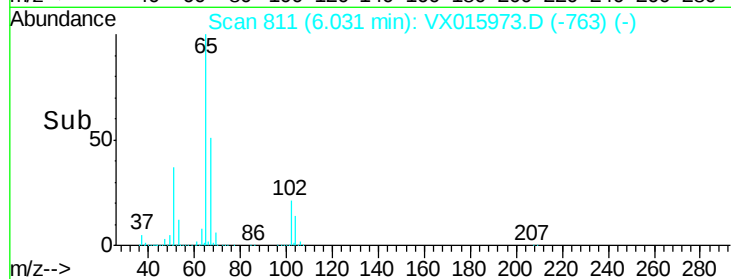
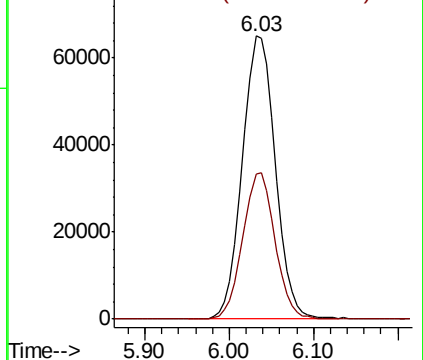
65 100

67 50.6 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX015973.D

Acq: 29 Apr 2020 13:47

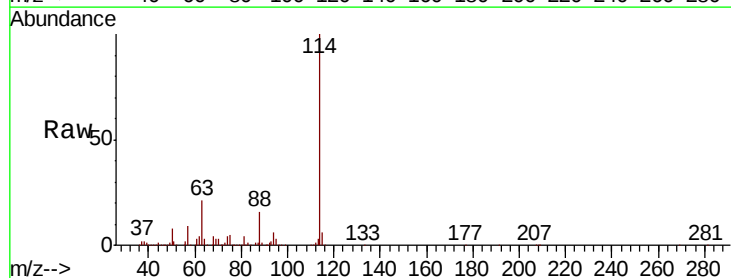
Tgt Ion: 114 Resp: 446693

Ion Ratio Lower Upper

114 100

63 21.2 0.0 41.2

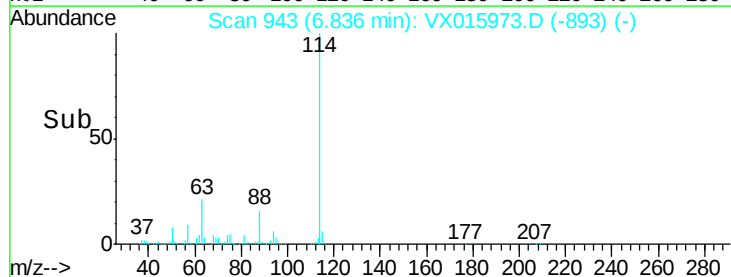
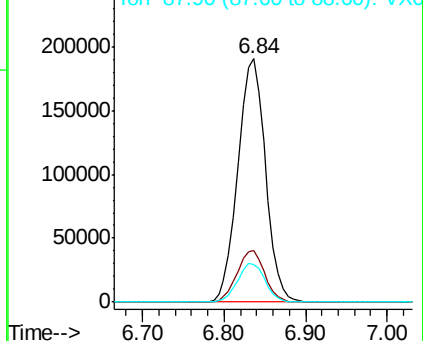
88 15.6 0.0 31.8

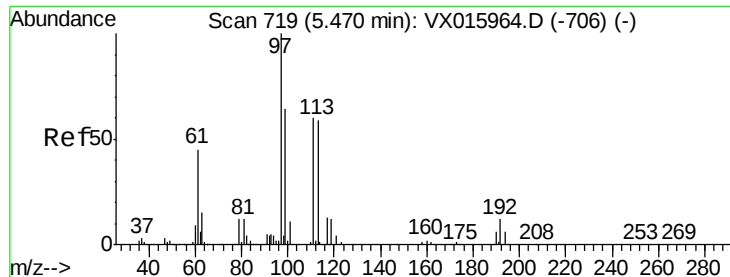


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

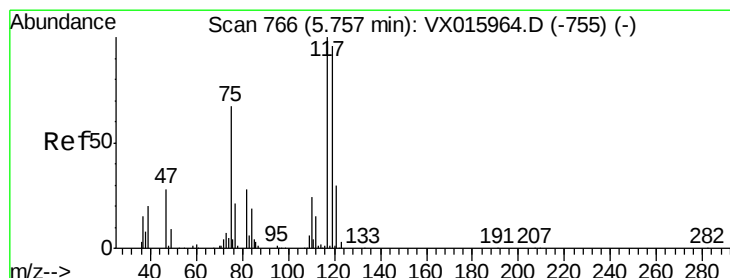
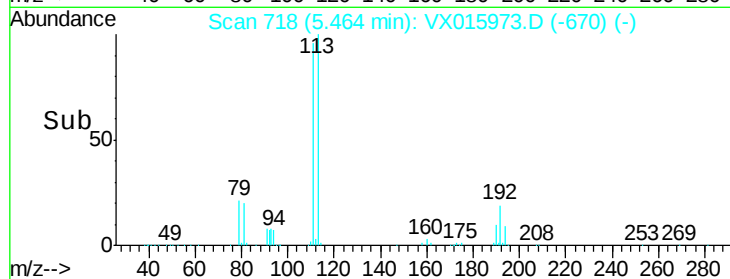
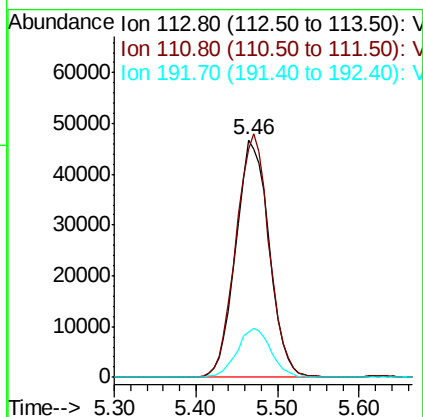
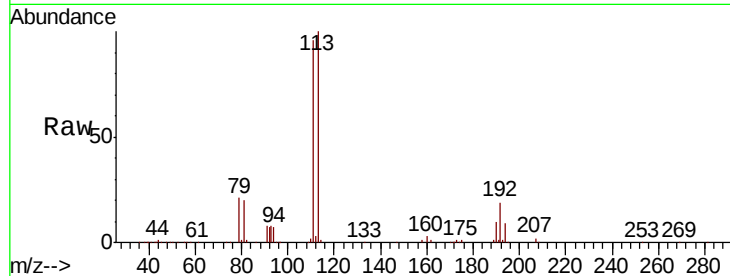




#35
 Dibromofluoromethane
 Concen: 47.613 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX015973.D
 Acq: 29 Apr 2020 13:47

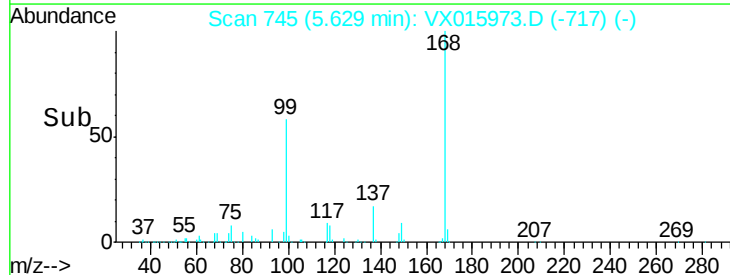
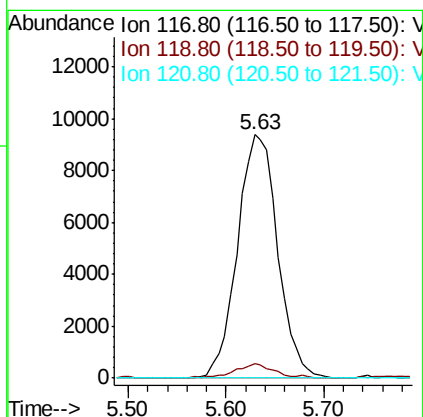
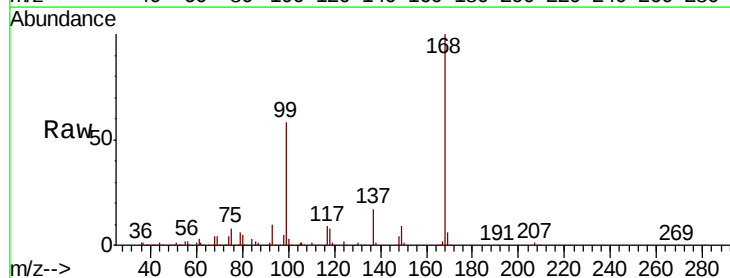
Instrument :
 MSVOA_X
 ClientSampleId :

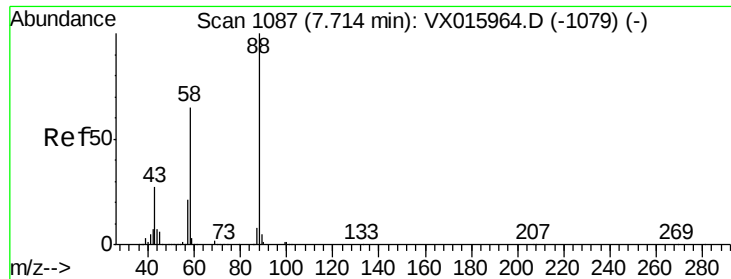
Tot Ion:113 Resp: 132673
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.8 122.8
 192 21.0 16.8 25.2



#38
 Carbon Tetrachloride
 Concen: 5.945 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX015973.D
 Acq: 29 Apr 2020 13:47

Tgt Ion:117 Resp: 26714
 Ion Ratio Lower Upper
 117 100
 119 6.2 76.2 114.4#
 121 0.0 24.2 36.4#





#49

1,4-Dioxane

Concen: 0.239 ug/l

RT: 7.92 min Scan# 1120

Delta R.T. 0.20 min

Lab File: VX015973.D

Acq: 29 Apr 2020 13:47

Instrument :

MSVOA_X

ClientSampled :

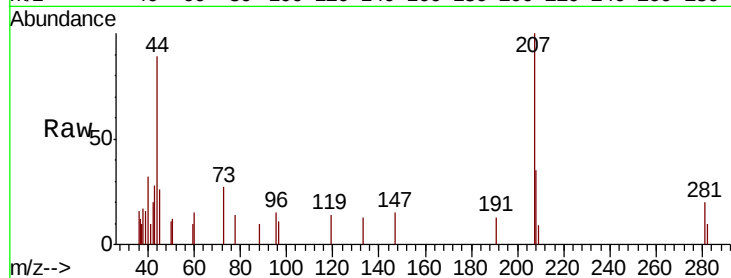
Tot Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 0.0 26.6 39.8#

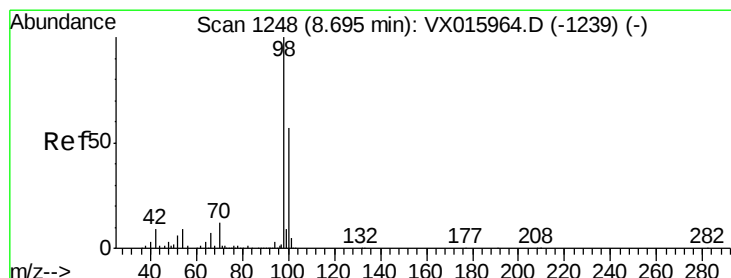
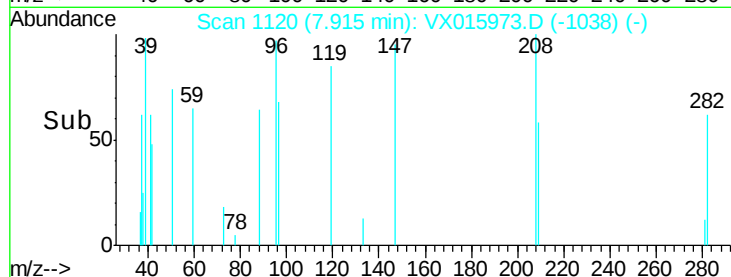
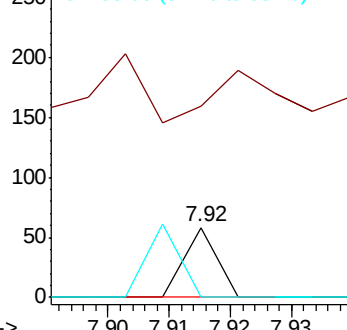
58 104.8 54.8 82.2#



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: 52.292 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX015973.D

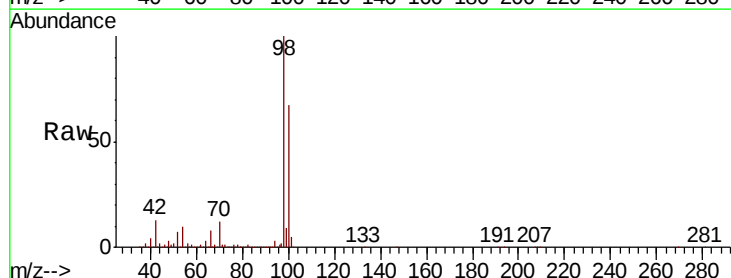
Acq: 29 Apr 2020 13:47

Tgt Ion: 98 Resp: 544797

Ion Ratio Lower Upper

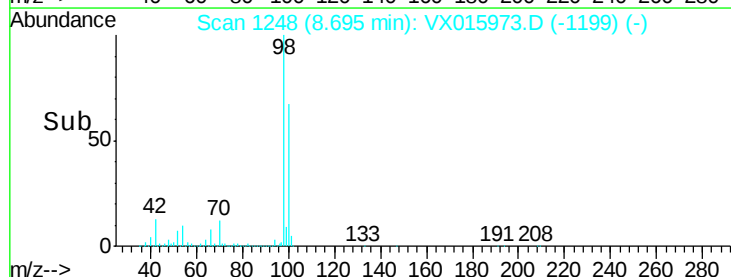
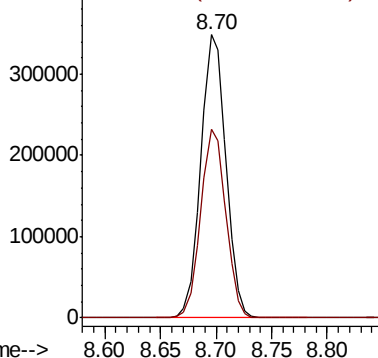
98 100

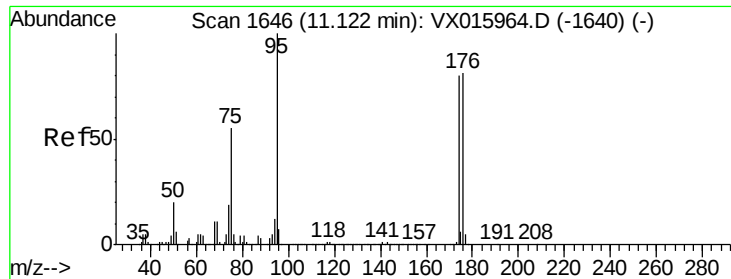
100 66.6 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 54.157 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX015973.D

Acq: 29 Apr 2020 13:47

Instrument :

MSVOA_X

ClientSampleId :

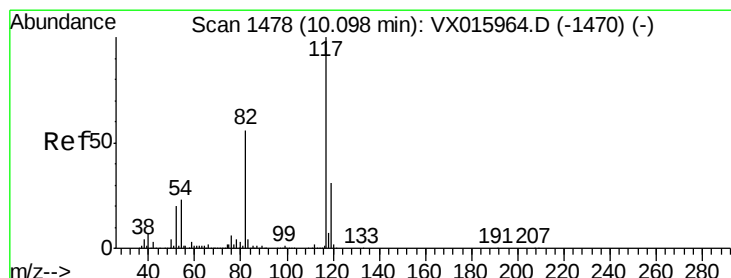
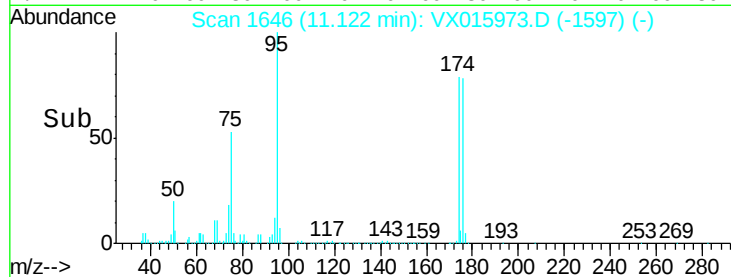
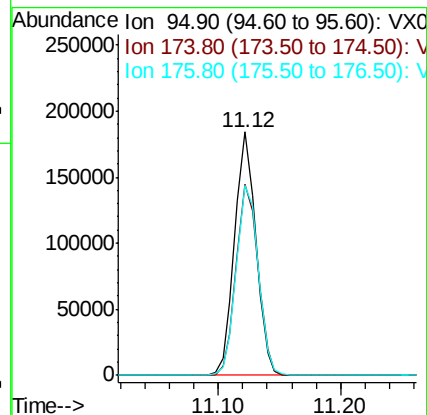
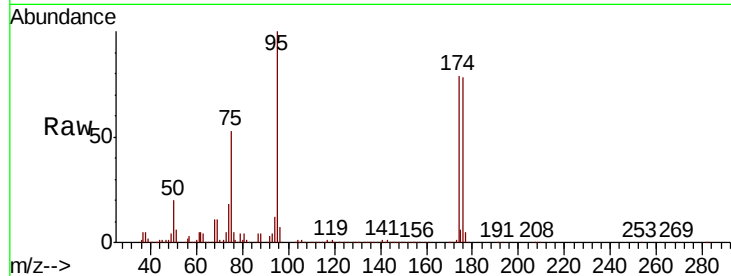
Tot Ion: 95 Resp: 221300

Ion Ratio Lower Upper

95 100

174 80.9 0.0 165.0

176 80.5 0.0 163.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX015973.D

Acq: 29 Apr 2020 13:47

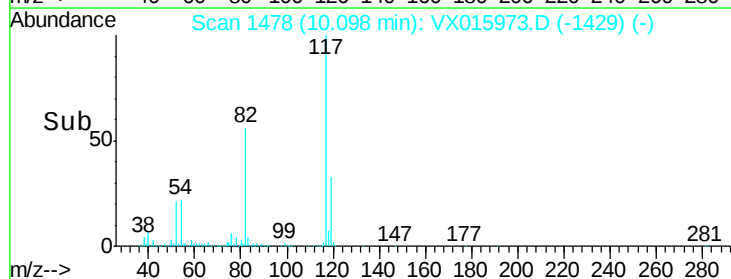
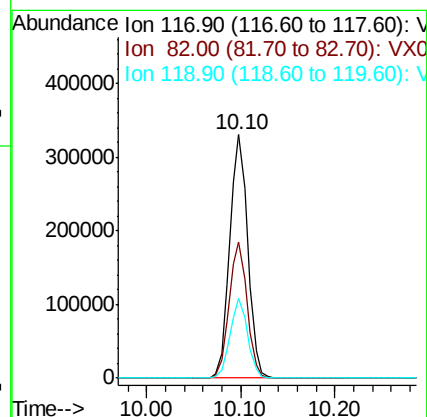
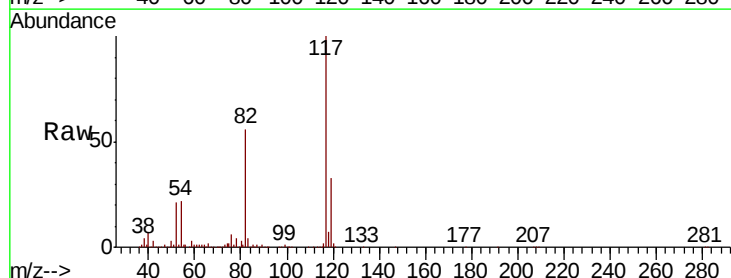
Tgt Ion: 117 Resp: 438470

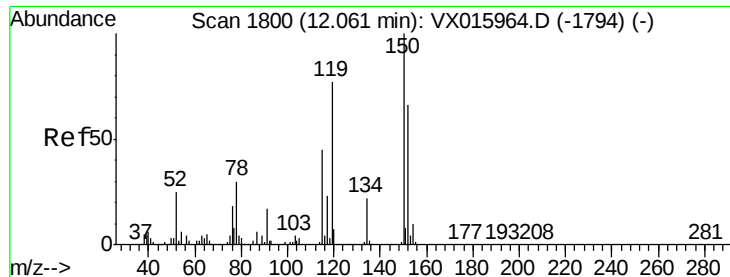
Ion Ratio Lower Upper

117 100

82 55.8 44.5 66.7

119 33.0 25.0 37.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX015973.D

Acq: 29 Apr 2020 13:47

Instrument :

MSVOA_X

ClientSampleId :

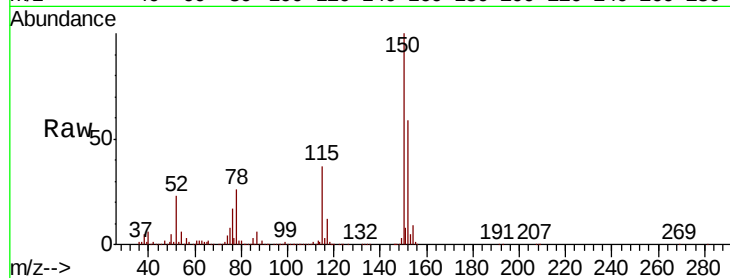
Tot Ion:152 Resp: 227372

Ion Ratio Lower Upper

152 100

115 58.8 40.9 122.7

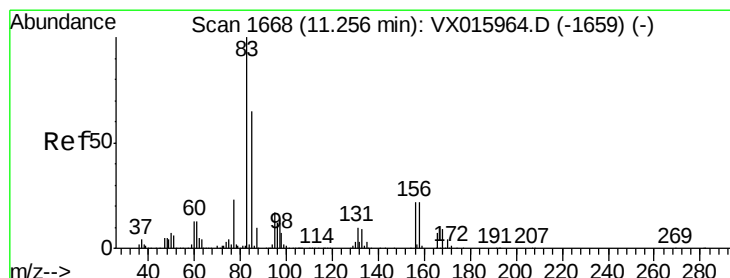
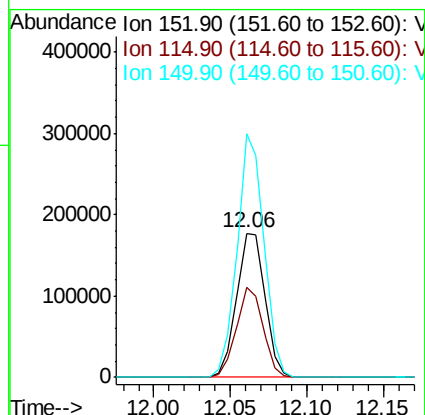
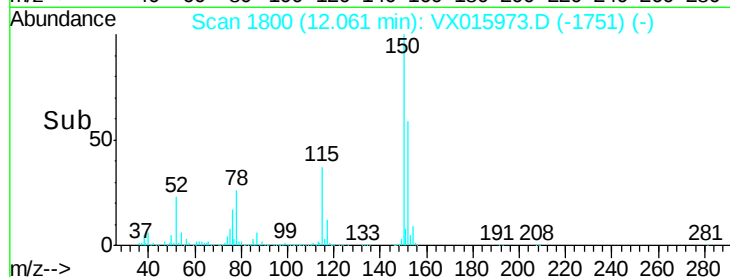
150 159.2 0.0 342.4



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



#75

1,1,2,2-Tetrachloroethane

Concen: 3.776 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.14 min

Lab File: VX015973.D

Acq: 29 Apr 2020 13:47

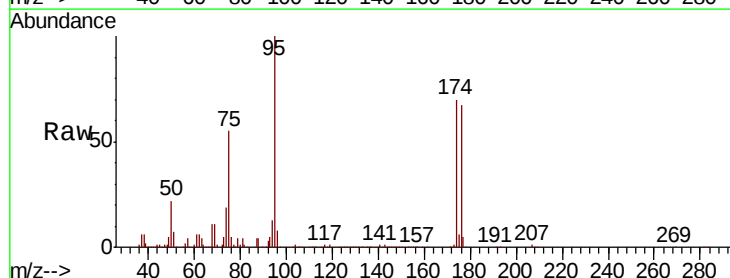
Tgt Ion: 83 Resp: 293

Ion Ratio Lower Upper

83 100

131 137.5 5.1 15.4#

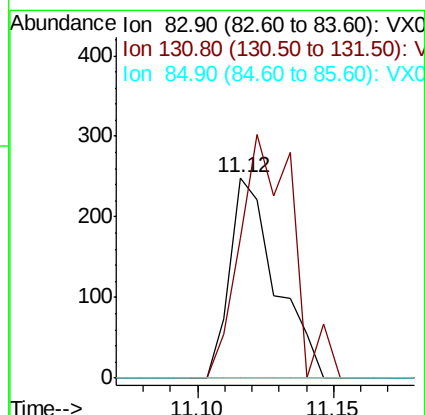
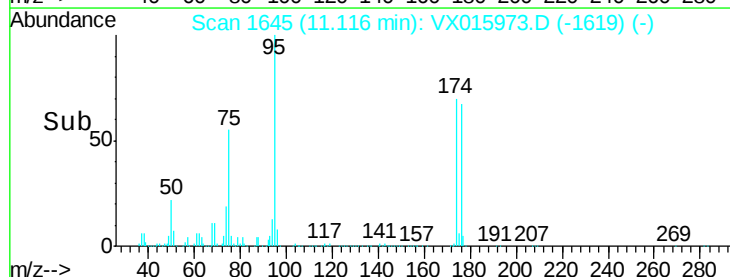
85 0.0 32.2 96.6#

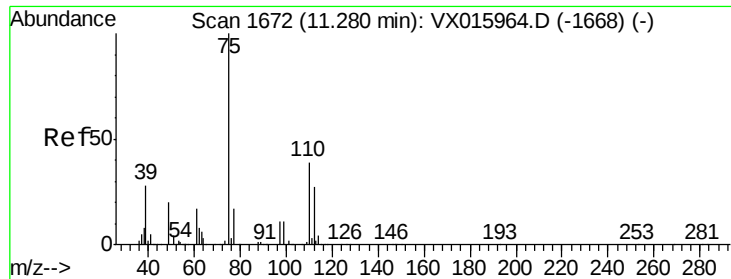


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 24.525 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX015973.D

Acq: 29 Apr 2020 13:47

Instrument :

MSVOA_X

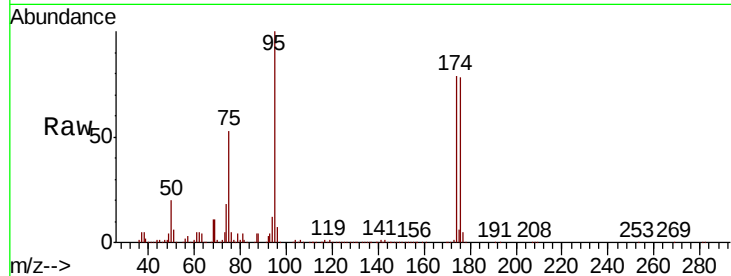
ClientSampled :

Tot Ion: 75 Resp: 117008

Ion Ratio Lower Upper

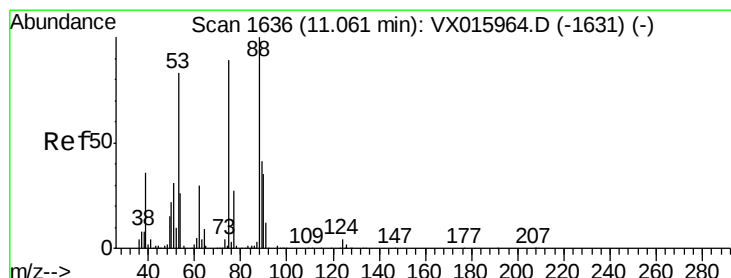
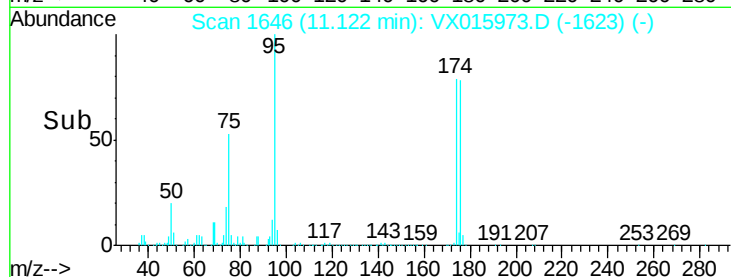
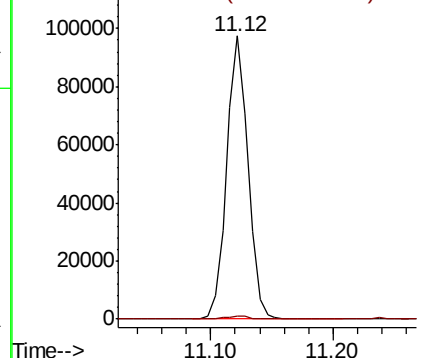
75 100

77 1.3 21.6 65.0#



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: 57.956 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX015973.D

Acq: 29 Apr 2020 13:47

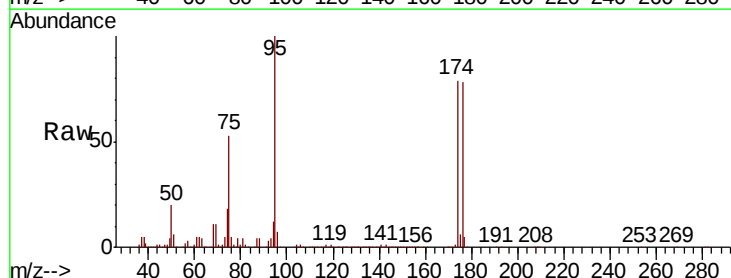
Tgt Ion: 75 Resp: 117008

Ion Ratio Lower Upper

75 100

53 0.0 78.3 117.5#

89 0.0 37.2 55.8#



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

