

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021820\
 Data File : VX014953.D
 Acq On : 18 Feb 2020 12:46
 Operator : JC/SP
 Sample : L1564-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY038PS037-200217

Quant Time: Feb 19 00:16:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 10 12:09:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	426071	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	667331	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	640971	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	339735	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	242772	50.49	ug/l	0.00
Spiked Amount			Recovery	=	100.98%	
35) Dibromofluoromethane	5.49	113	204562	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
50) Toluene-d8	8.71	98	800221	51.10	ug/l	0.00
Spiked Amount			Recovery	=	102.20%	
62) 4-Bromofluorobenzene	11.14	95	301632	53.47	ug/l	0.00
Spiked Amount			Recovery	=	106.94%	

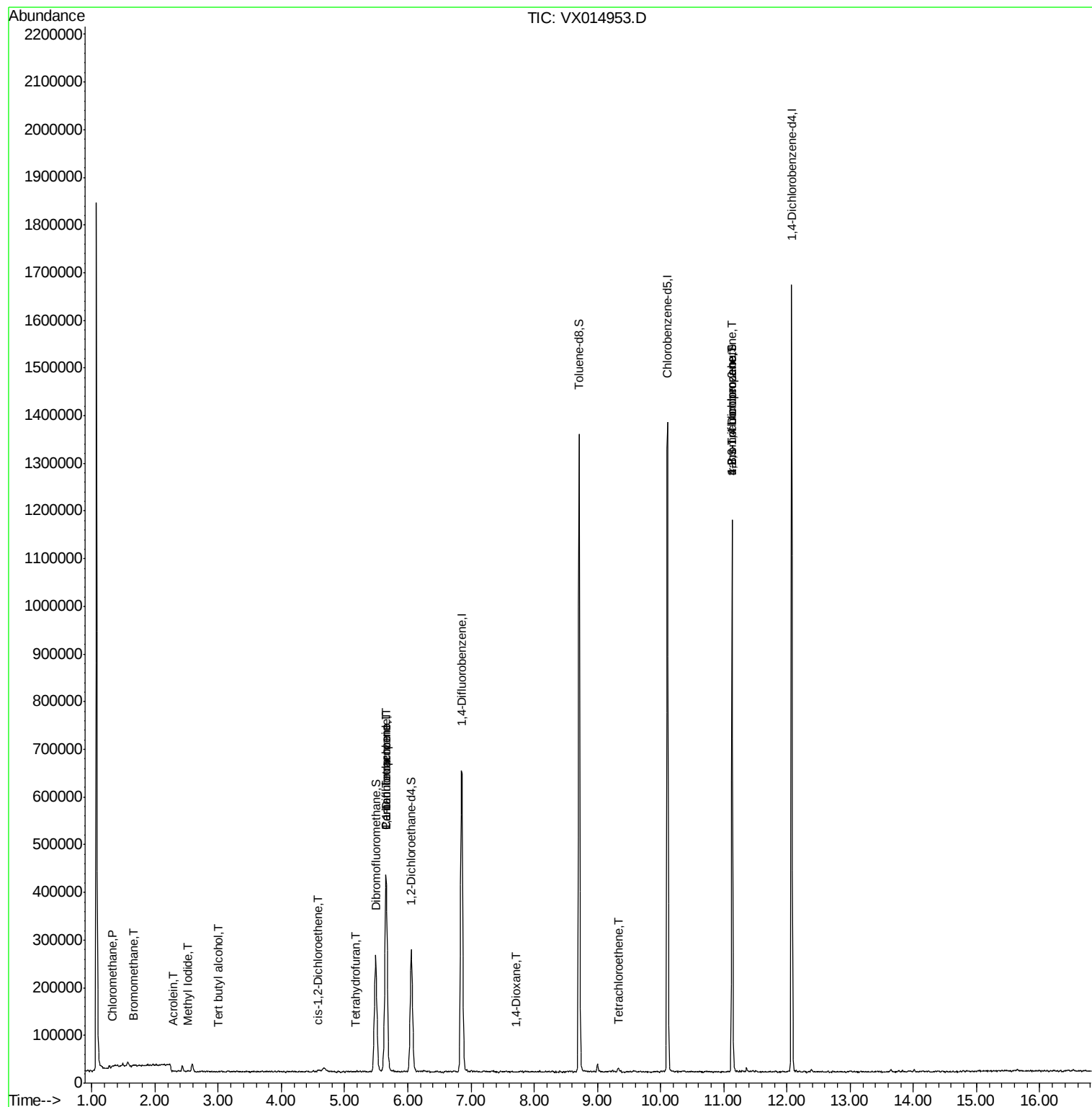
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1111	0.243	ug/l	97
5) Bromomethane	1.66	94	1415	0.444	ug/l	89
10) Methyl Iodide	2.51	142	1700	4.717	ug/l #	60
11) Tert butyl alcohol	3.01	59	244	0.287	ug/l #	1
13) Acrolein	2.29	56	1152	1.780	ug/l #	39
16) Acetone	2.43	43	13208	Below Cal		98
27) cis-1,2-Dichloroethene	4.58	96	3122	0.648	ug/l	78
29) Tetrahydrofuran	5.17	42	458	0.246	ug/l	90
36) 1,1-Dichloropropene	5.65	75	29547	4.950	ug/l #	52
38) Carbon Tetrachloride	5.65	117	37528	6.451	ug/l #	16
49) 1,4-Dioxane	7.72	88	178	1.884	ug/l #	1
64) Tetrachloroethene	9.34	164	1395	0.233	ug/l #	82
76) 1,2,3-Trichloropropane	11.13	75	148761	24.214	ug/l #	41
81) trans-1,4-Dichloro-2-buten	11.13	75	148761	61.981	ug/l #	12

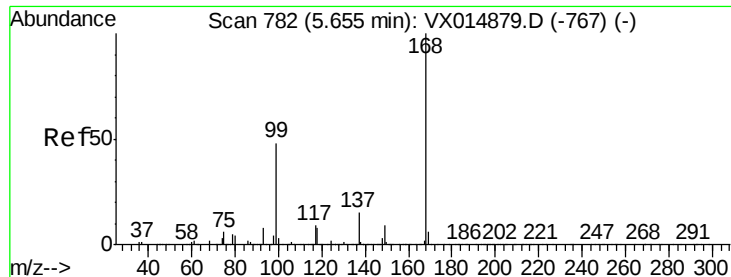
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Feb 10 12:09:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX014953.D

Acq: 18 Feb 2020 12:46

Instrument :

MSVOA_X

ClientSampleId :

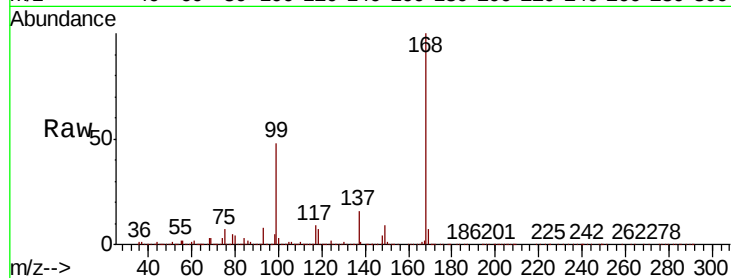
KY038PS037-200217

Tot Ion:168 Resp: 426071

Ion Ratio Lower Upper

168 100

99 48.2 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

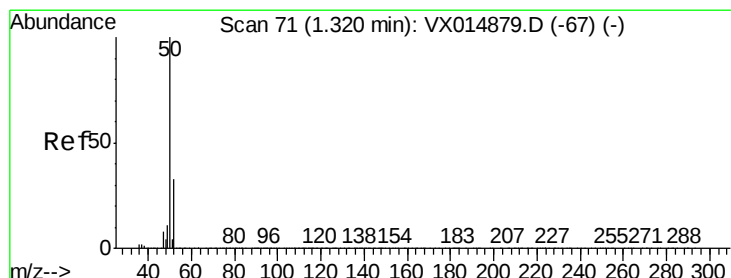
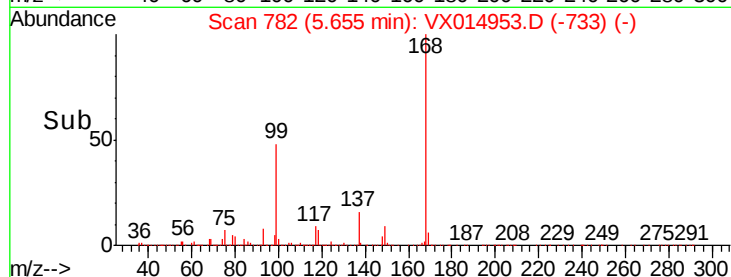
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.243 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX014953.D

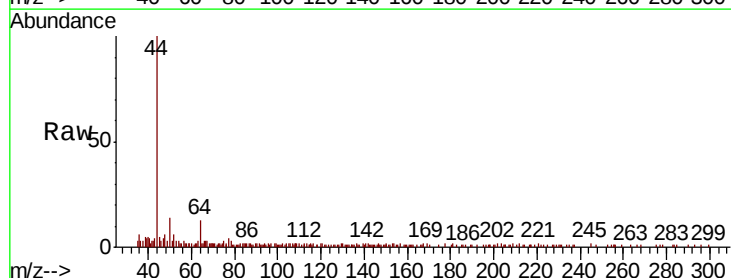
Acq: 18 Feb 2020 12:46

Tgt Ion: 50 Resp: 1111

Ion Ratio Lower Upper

50 100

52 34.6 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

1000

800

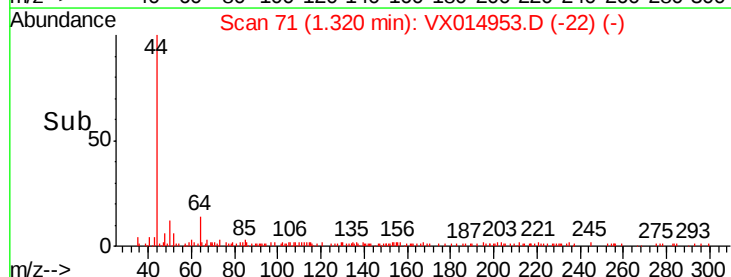
600

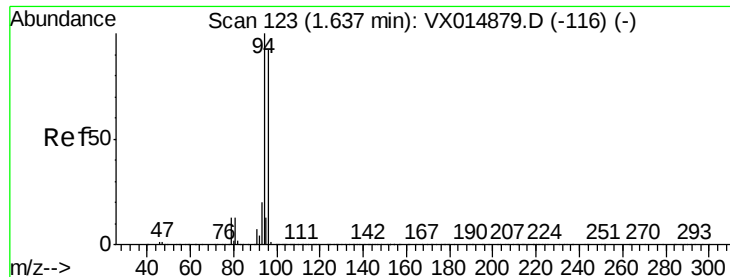
400

200

0

Time-->





#5

Bromomethane

Concen: 0.444 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.02 min

Lab File: VX014953.D

Acq: 18 Feb 2020 12:46

Instrument :

MSVOA_X

ClientSampleId :

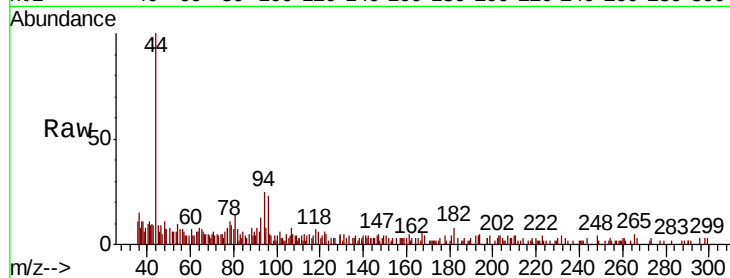
KY038PS037-200217

Tot Ion: 94 Resp: 1415

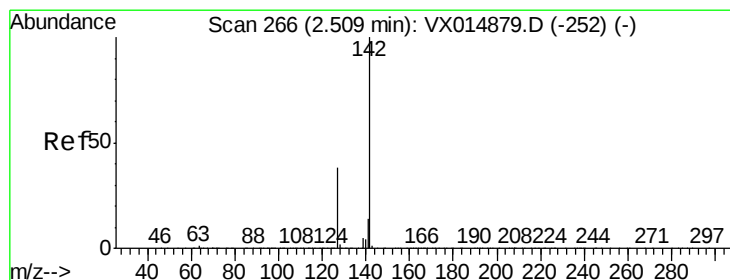
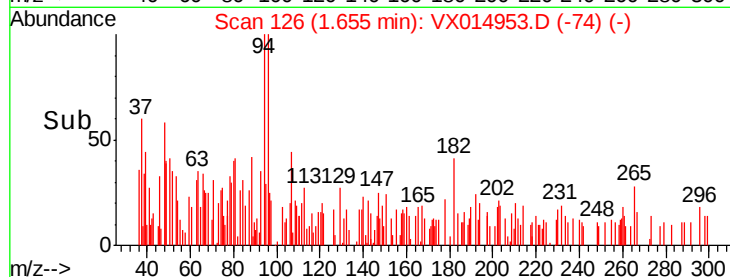
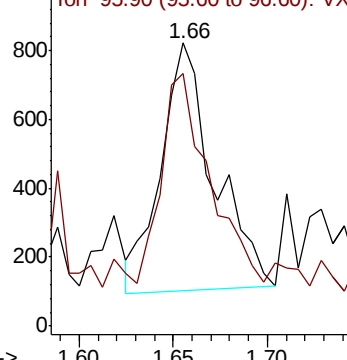
Ion Ratio Lower Upper

94 100

96 81.9 73.7 110.5



Abundance Ion 93.90 (93.60 to 94.60): VX0



#10

Methyl Iodide

Concen: 4.717 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX014953.D

Acq: 18 Feb 2020 12:46

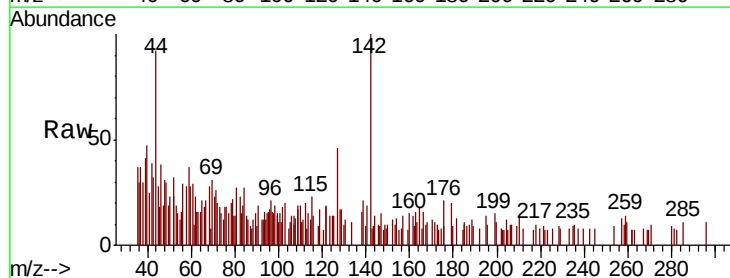
Tgt Ion: 142 Resp: 1700

Ion Ratio Lower Upper

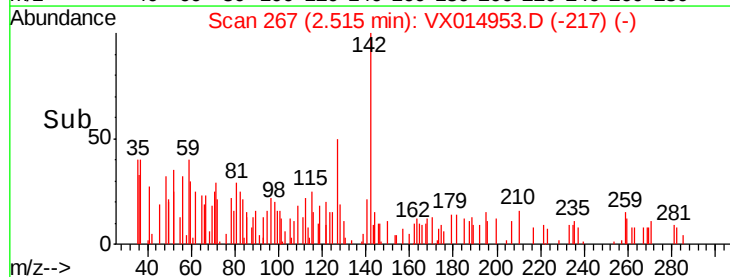
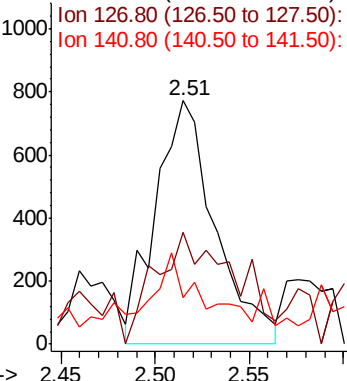
142 100

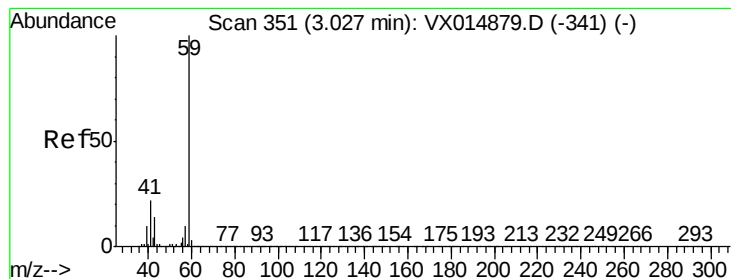
127 60.8 31.1 46.7#

141 34.5 11.3 16.9#



Abundance Ion 141.80 (141.50 to 142.50): V



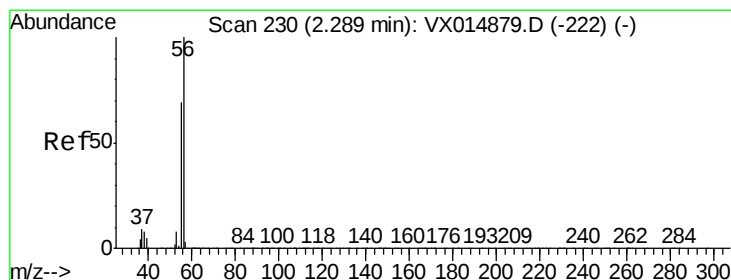
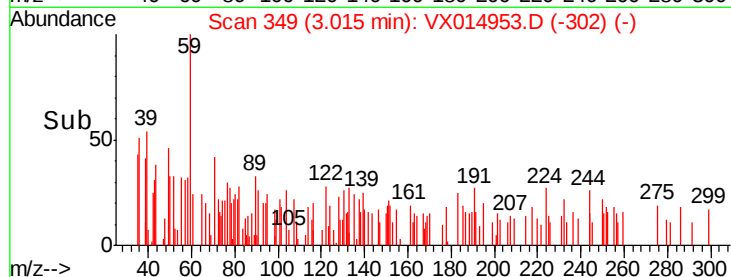
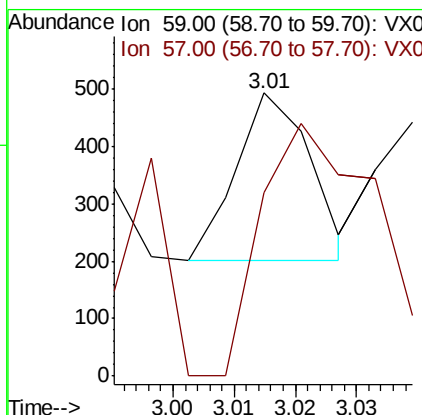
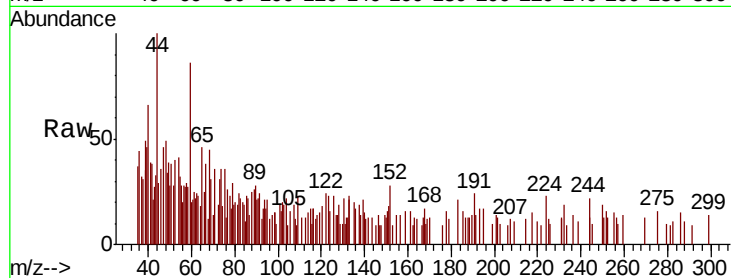


#11

Tert butyl alcohol
Concen: 0.287 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.01 min
Lab File: VX014953.D
Acq: 18 Feb 2020 12:46

Instrument :
MSVOA_X
ClientSampleId :
KY038PS037-200217

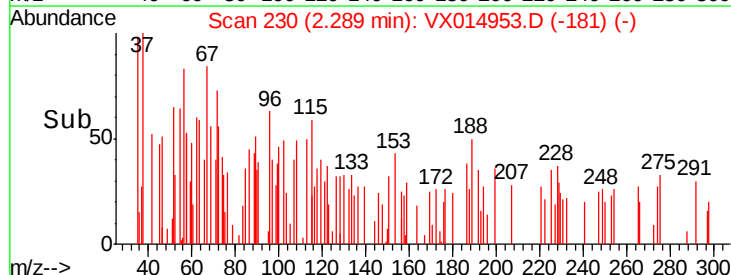
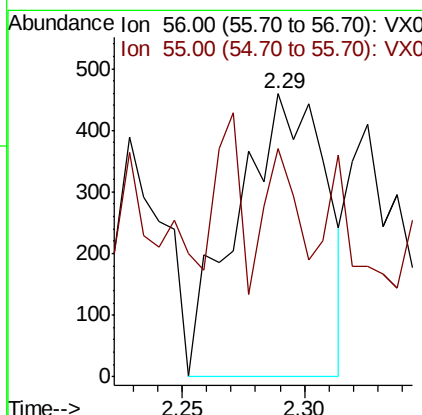
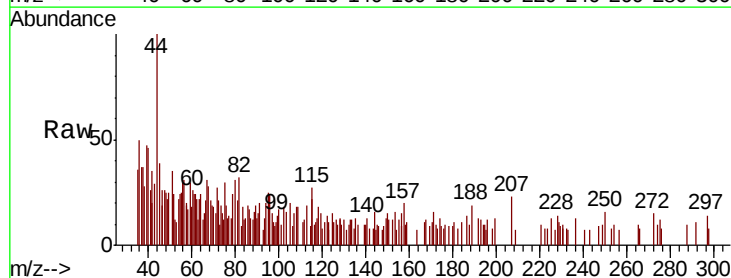
Tot Ion: 59 Resp: 244
Ion Ratio Lower Upper
59 100
57 234.0 8.2 12.4#

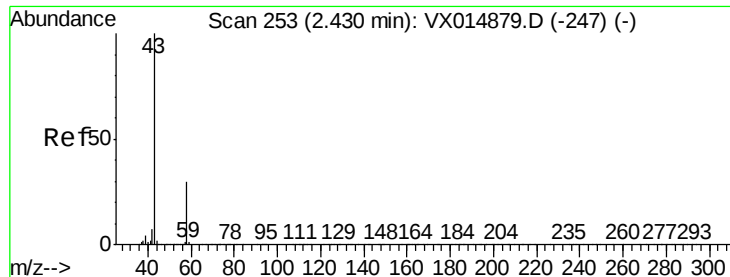


#13

Acrolein
Concen: 1.780 ug/l
RT: 2.29 min Scan# 230
Delta R.T. -0.00 min
Lab File: VX014953.D
Acq: 18 Feb 2020 12:46

Tgt Ion: 56 Resp: 1152
Ion Ratio Lower Upper
56 100
55 18.9 55.0 82.4#





#16

Acetone

Concen: Below Cal

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014953.D

Acq: 18 Feb 2020 12:46

Instrument :

MSVOA_X

ClientSampleId :

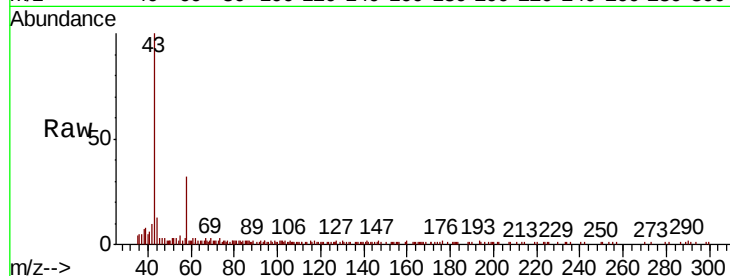
KY038PS037-200217

Tot Ion: 43 Resp: 13208

Ion Ratio Lower Upper

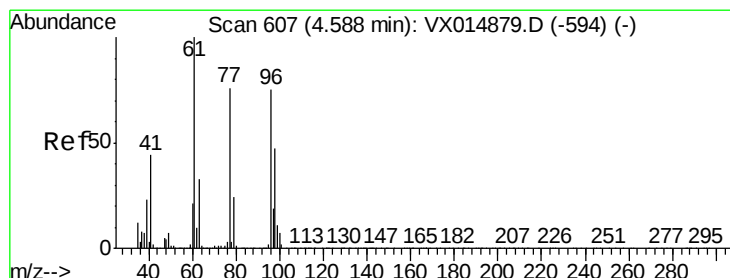
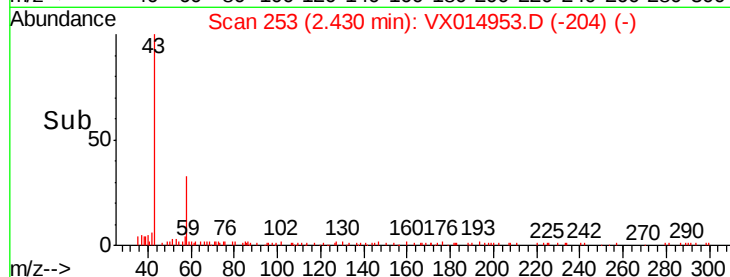
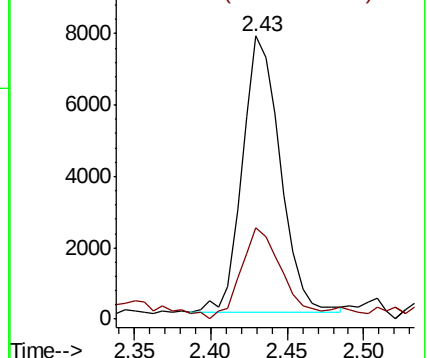
43 100

58 31.3 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 0.648 ug/l

RT: 4.58 min Scan# 606

Delta R.T. -0.01 min

Lab File: VX014953.D

Acq: 18 Feb 2020 12:46

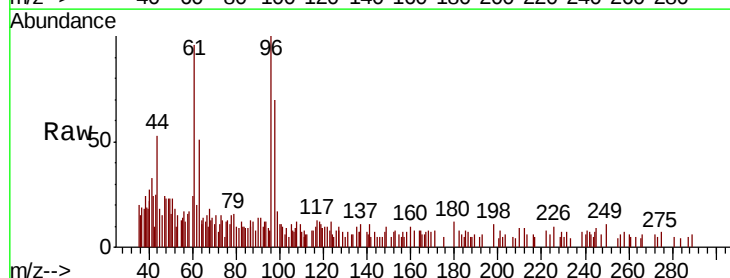
Tgt Ion: 96 Resp: 3122

Ion Ratio Lower Upper

96 100

61 124.0 0.0 286.2

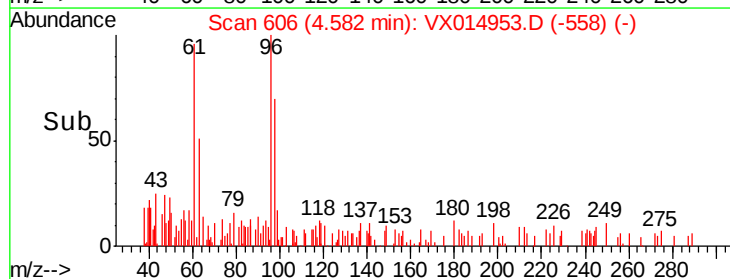
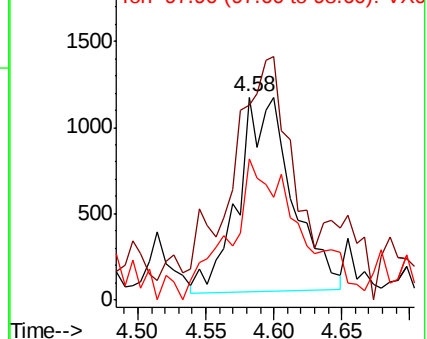
98 94.8 0.0 131.0

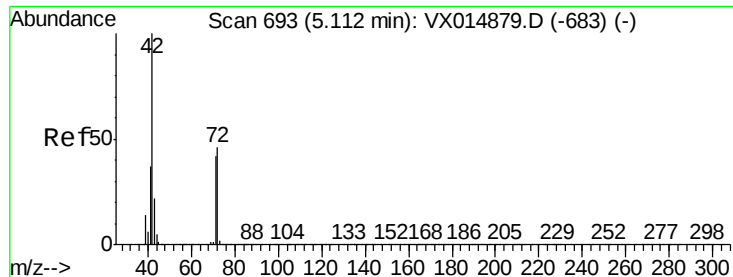


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#29

Tetrahydrofuran

Concen: 0.246 ug/l

RT: 5.17 min Scan# 703

Delta R.T. 0.06 min

Lab File: VX014953.D

Acq: 18 Feb 2020 12:46

Instrument :

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ClientSampleId :

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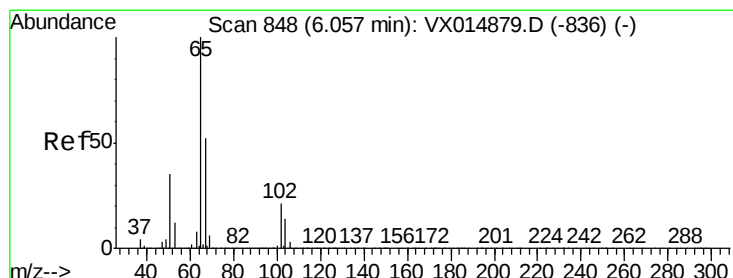
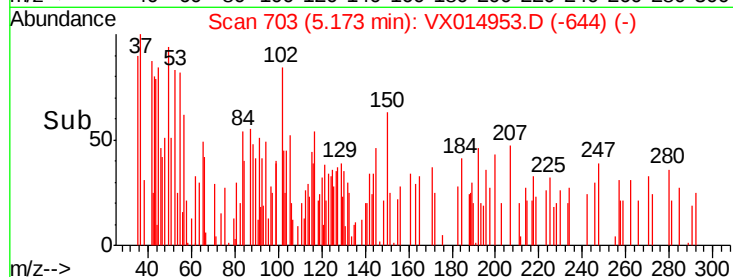
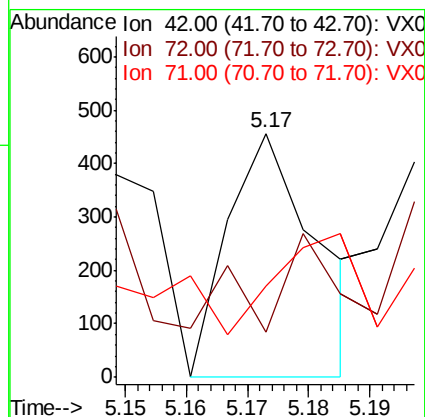
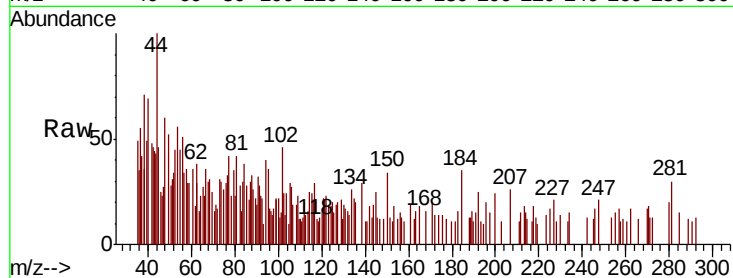
Tot Ion: 42 Resp: 458

Ion Ratio Lower Upper

42 100

72 39.1 36.9 55.3

71 48.0 34.1 51.1



#33

1,2-Dichloroethane-d4

Concen: 50.488 ug/l

RT: 6.06 min Scan# 848

Delta R.T. -0.00 min

Lab File: VX014953.D

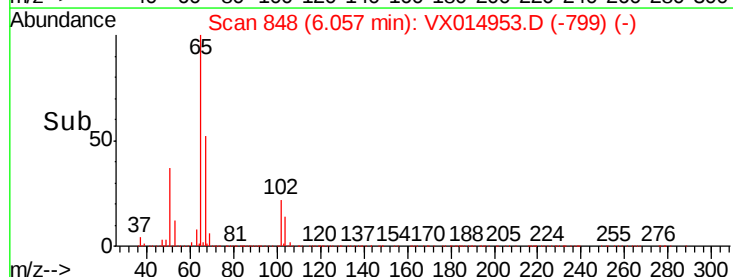
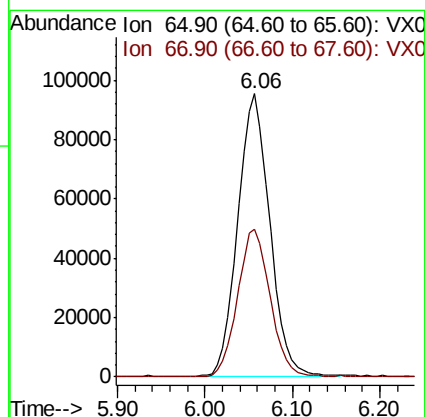
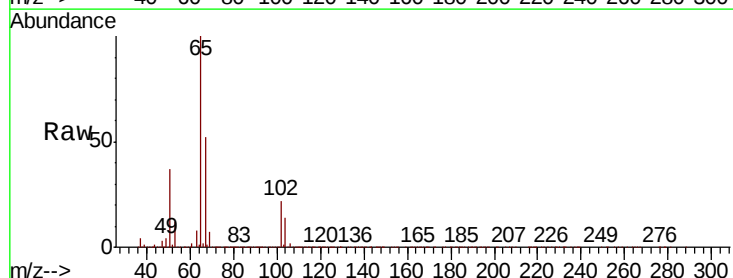
Acq: 18 Feb 2020 12:46

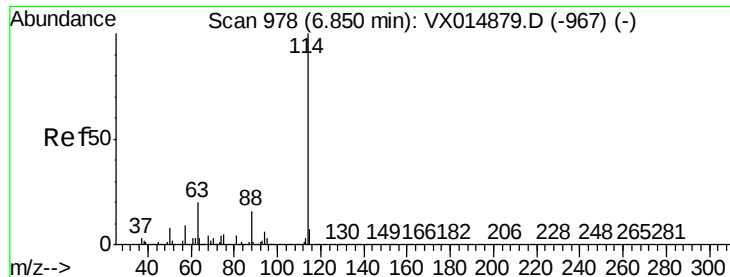
Tgt Ion: 65 Resp: 242772

Ion Ratio Lower Upper

65 100

67 52.9 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX014953.D

Acq: 18 Feb 2020 12:46

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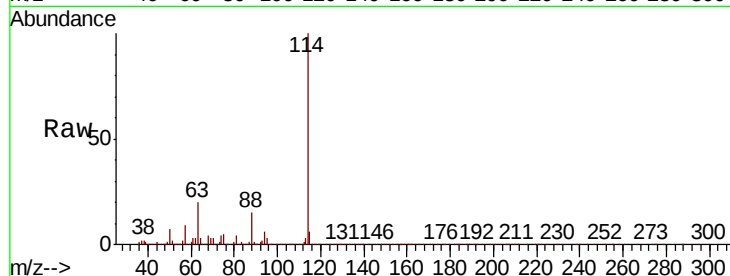
Tot Ion:114 Resp: 667331

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.2

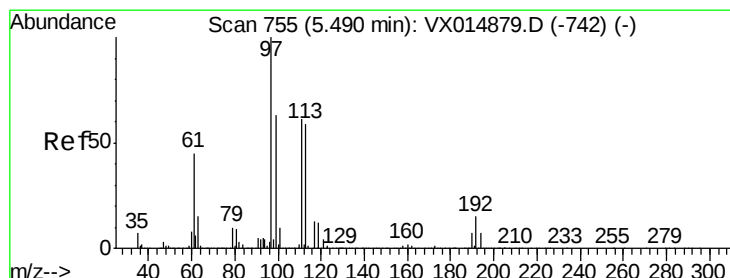
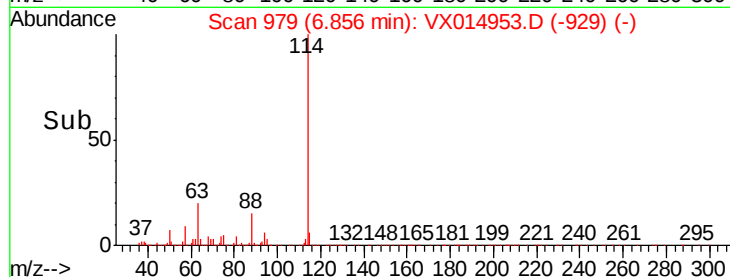
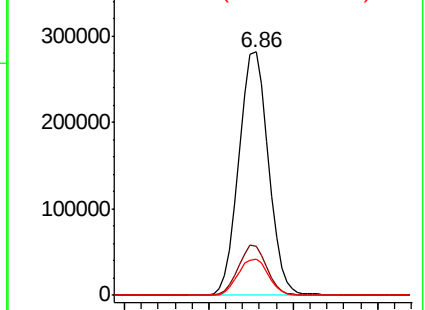
88 15.1 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 49.862 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX014953.D

Acq: 18 Feb 2020 12:46

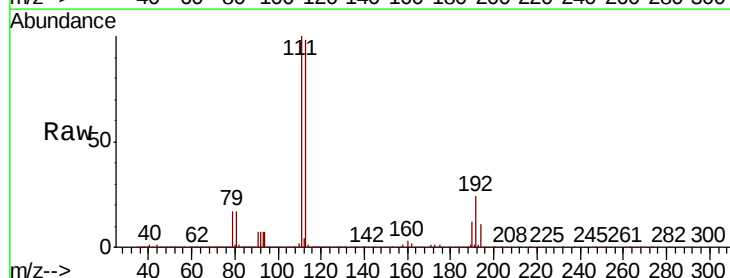
Tgt Ion:113 Resp: 204562

Ion Ratio Lower Upper

113 100

111 102.4 82.4 123.6

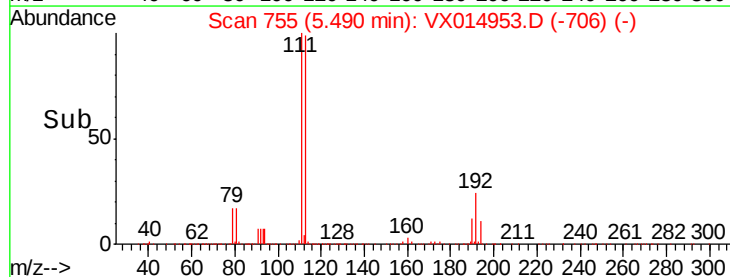
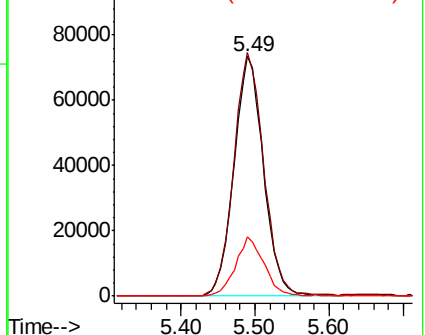
192 23.7 19.1 28.7

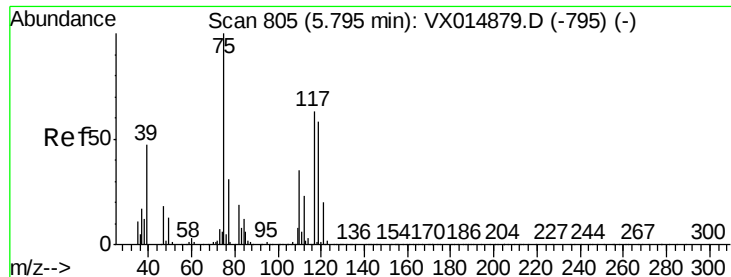


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.950 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.14 min

Lab File: VX014953.D

Acq: 18 Feb 2020 12:46

Instrument :

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ClientSampleId :

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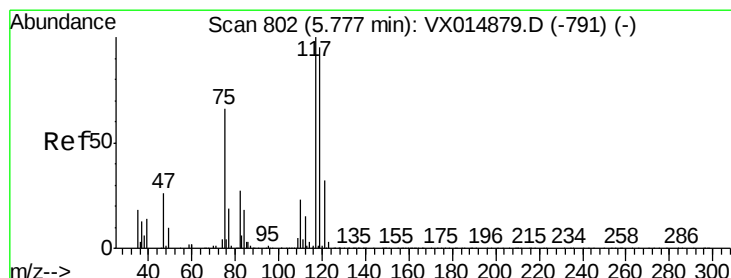
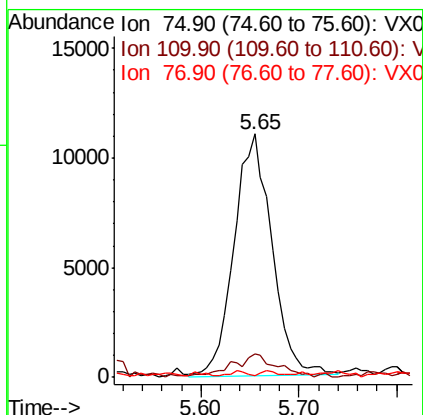
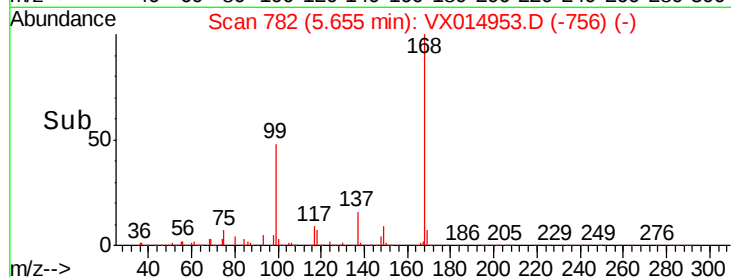
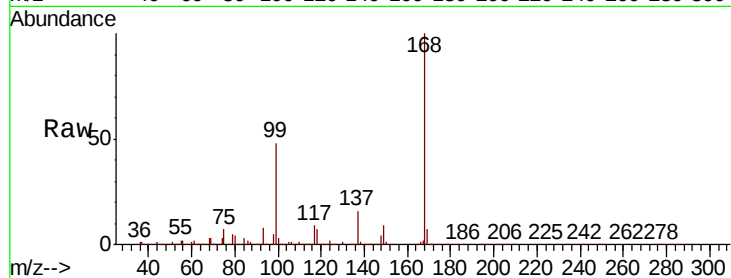
Tot Ion: 75 Resp: 29547

Ion Ratio Lower Upper

75 100

110 11.6 18.3 54.8#

77 0.7 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 6.451 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014953.D

Acq: 18 Feb 2020 12:46

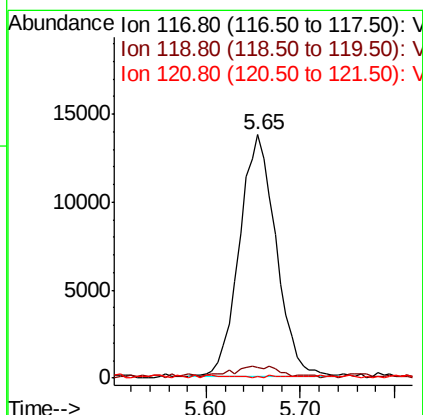
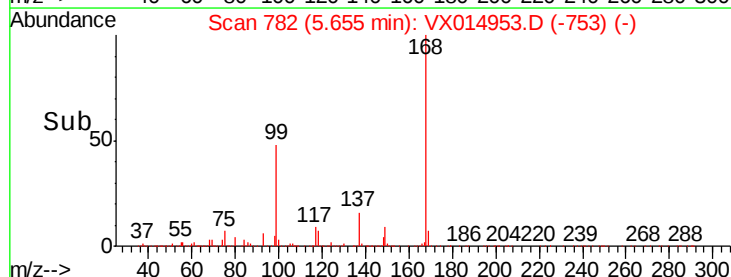
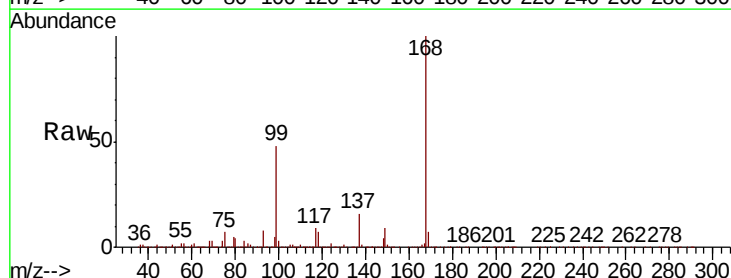
Tgt Ion: 117 Resp: 37528

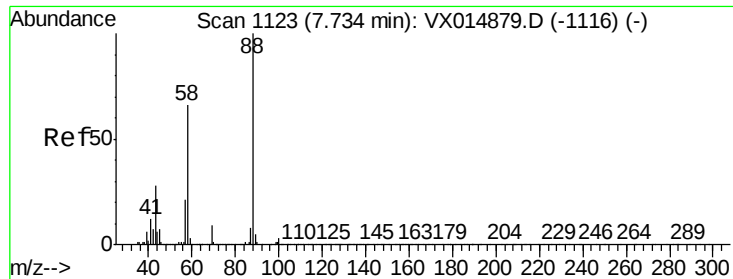
Ion Ratio Lower Upper

117 100

119 4.5 76.0 114.0#

121 0.9 25.4 38.2#

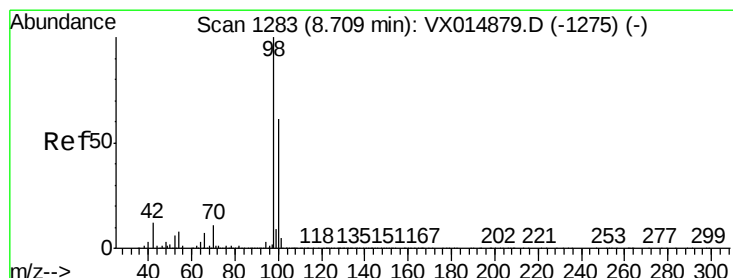
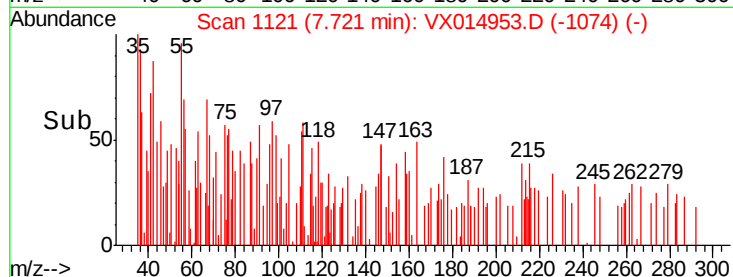
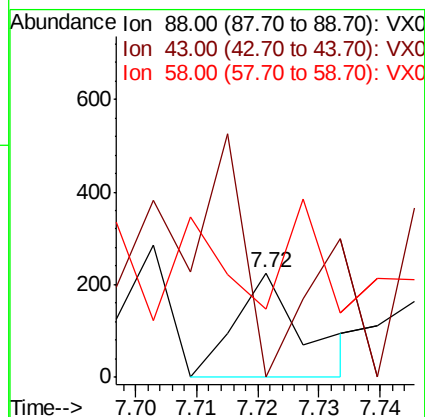
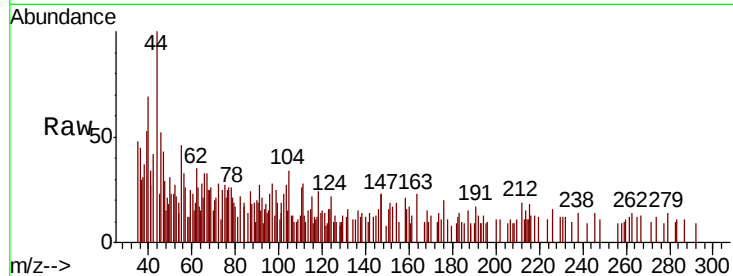




#49
1,4-Dioxane
Concen: 1.884 ug/l
RT: 7.72 min Scan# 1121
Delta R.T. -0.01 min
Lab File: VX014953.D
Acq: 18 Feb 2020 12:46

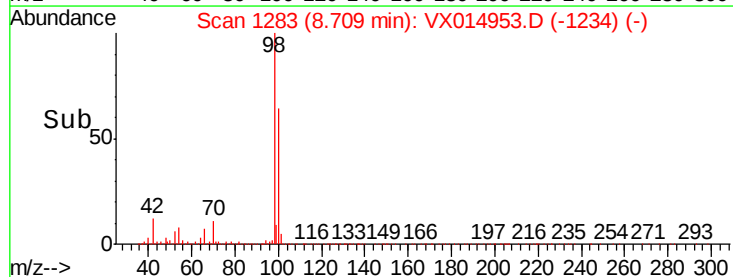
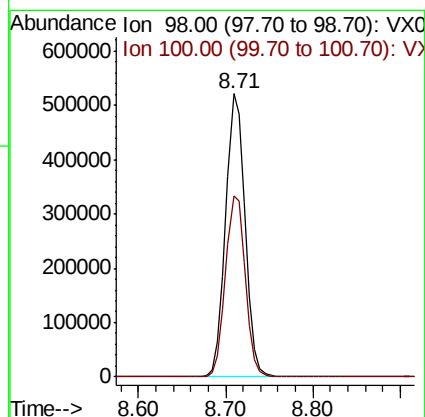
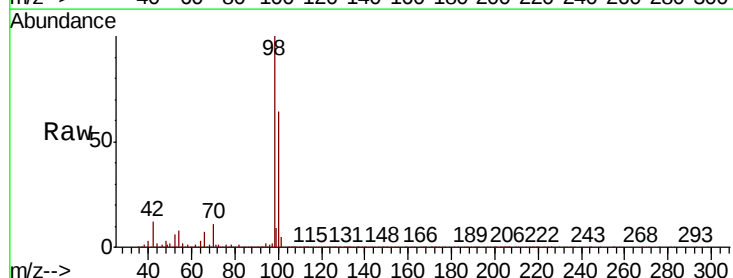
Instrument :
MSVOA_X
ClientSampleId :
KY038PS037-200217

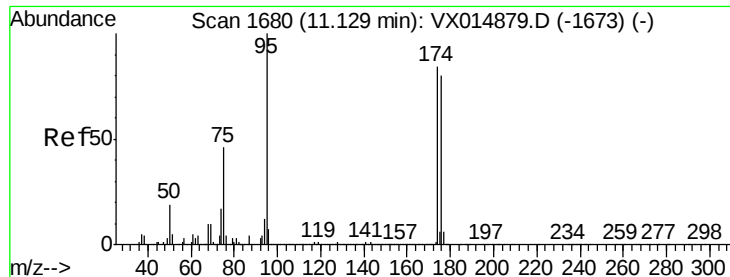
Tot Ion: 88 Resp: 178
Ion Ratio Lower Upper
88 100
43 153.9 27.0 40.4#
58 0.0 53.2 79.8#



#50
Toluene-d8
Concen: 51.100 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX014953.D
Acq: 18 Feb 2020 12:46

Tgt Ion: 98 Resp: 800221
Ion Ratio Lower Upper
98 100
100 65.5 52.4 78.6

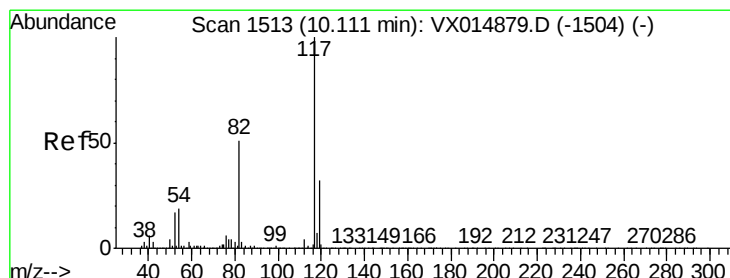
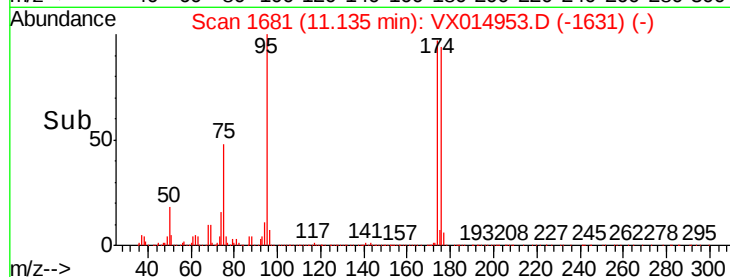
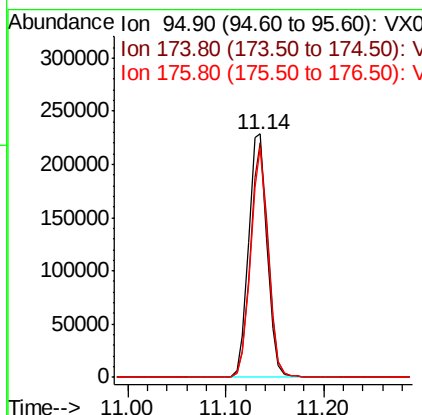
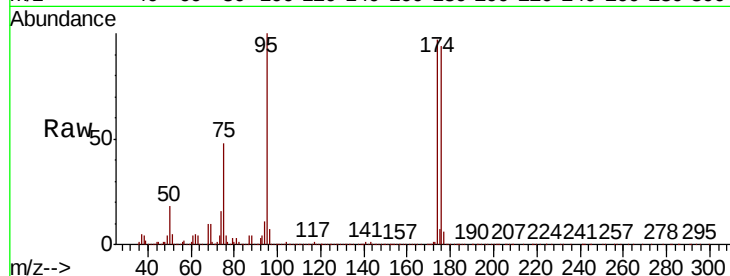




#62
4-Bromofluorobenzene
Concen: 53.469 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX014953.D
Acq: 18 Feb 2020 12:46

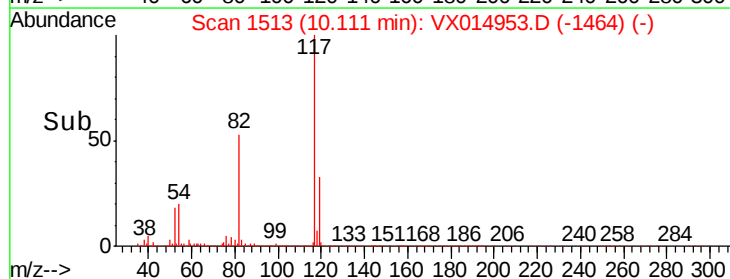
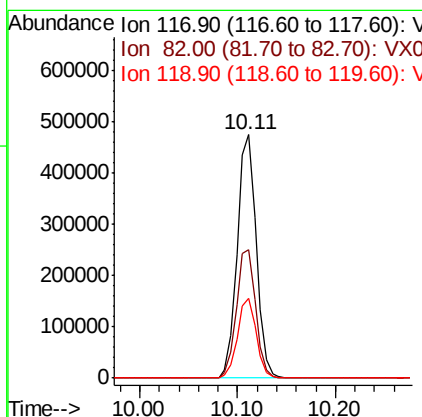
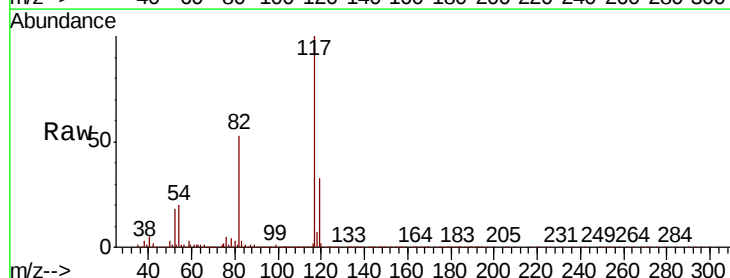
Instrument :
MSVOA_X
ClientSampleId :
KY038PS037-200217

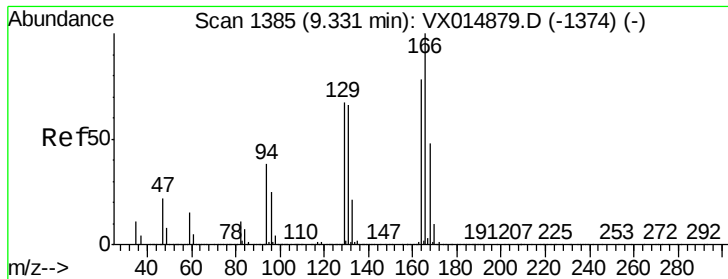
Tot Ion: 95 Resp: 301632
Ion Ratio Lower Upper
95 100
174 92.1 0.0 183.0
176 88.6 0.0 178.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX014953.D
Acq: 18 Feb 2020 12:46

Tgt Ion: 117 Resp: 640971
Ion Ratio Lower Upper
117 100
82 52.7 40.5 60.7
119 32.7 25.8 38.6

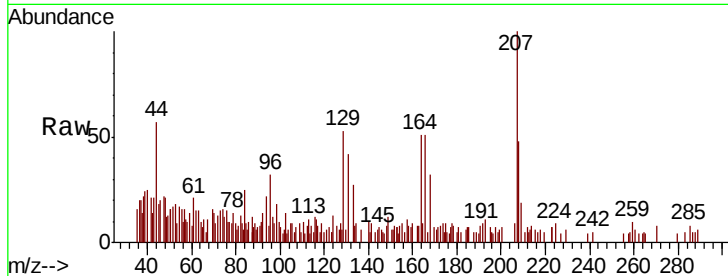




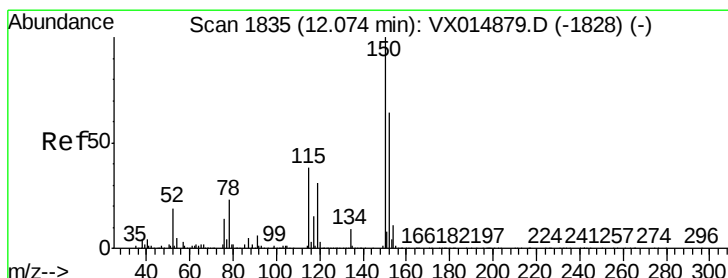
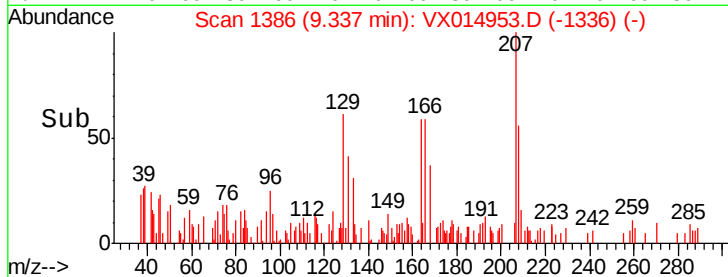
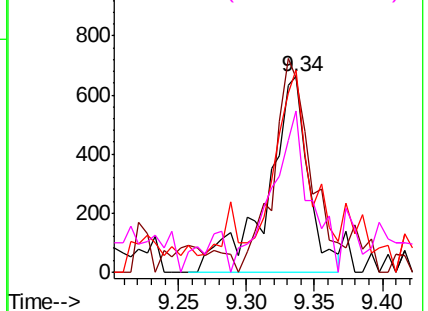
#64
Tetrachloroethene
Concen: 0.233 ug/l
RT: 9.34 min Scan# 1386
Delta R.T. 0.01 min
Lab File: VX014953.D
Acq: 18 Feb 2020 12:46

Instrument :
MSVOA_X
ClientSampleId :
KY038PS037-200217

Tot Ion:	164	Resp:	1395
Ion	Ratio	Lower	Upper
164	100		
166	85.5	102.6	153.8#
129	89.1	68.3	102.5
131	82.2	67.4	101.2

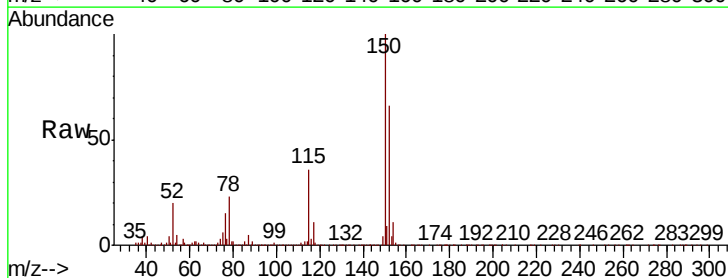


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

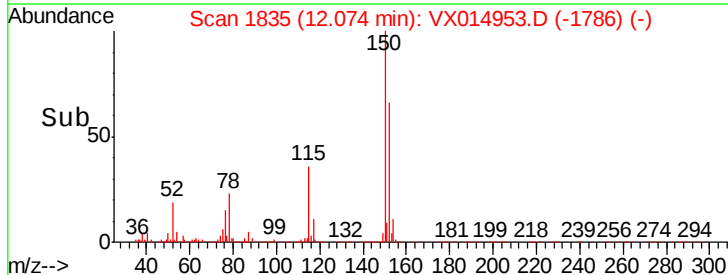
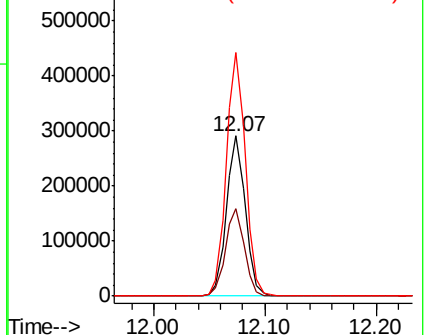


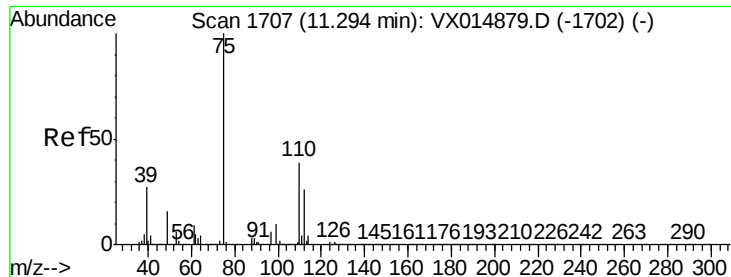
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX014953.D
Acq: 18 Feb 2020 12:46

Tgt Ion:	152	Resp:	339735
Ion	Ratio	Lower	Upper
152	100		
115	55.1	38.6	116.0
150	154.4	0.0	349.0



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: 24.214 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014953.D

Acq: 18 Feb 2020 12:46

Instrument :

MSVOA_X

ClientSampleId :

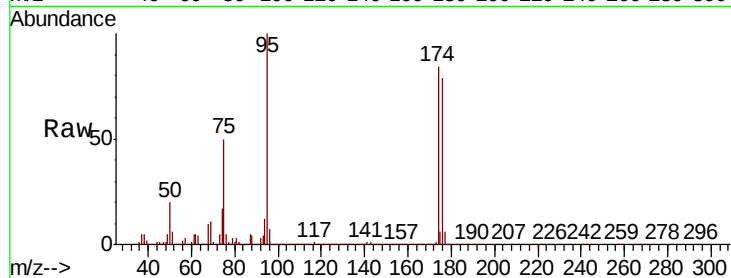
KY038PS037-200217

Tot Ion: 75 Resp: 148761

Ion Ratio Lower Upper

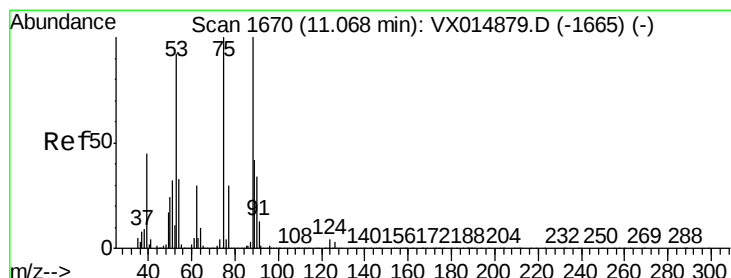
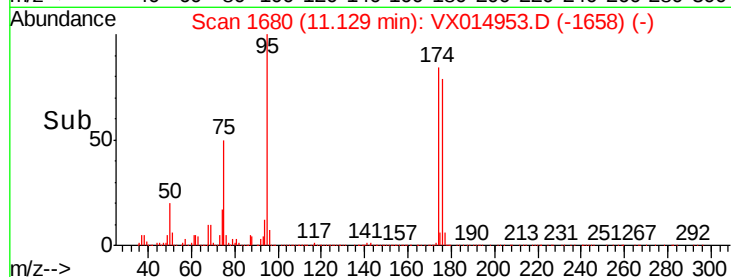
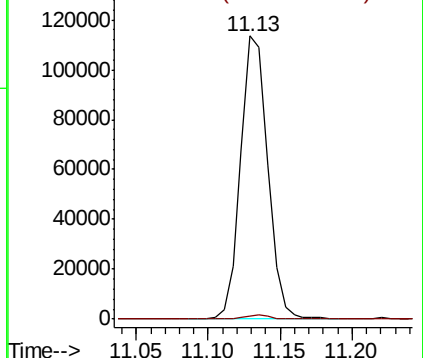
75 100

77 1.5 18.4 55.0#



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: 61.981 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014953.D

Acq: 18 Feb 2020 12:46

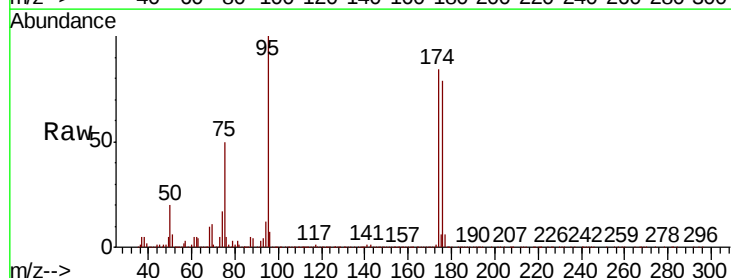
Tgt Ion: 75 Resp: 148761

Ion Ratio Lower Upper

75 100

53 0.6 76.2 114.2#

89 0.2 35.8 53.6#



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

