

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081919\
 Data File : VX011630.D
 Acq On : 19 Aug 2019 14:32
 Operator : JC/SP
 Sample : K4351-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0143

Quant Time: Aug 20 09:39:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	432777	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	592072	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	522952	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	255884	50.00	ug/l	0.00

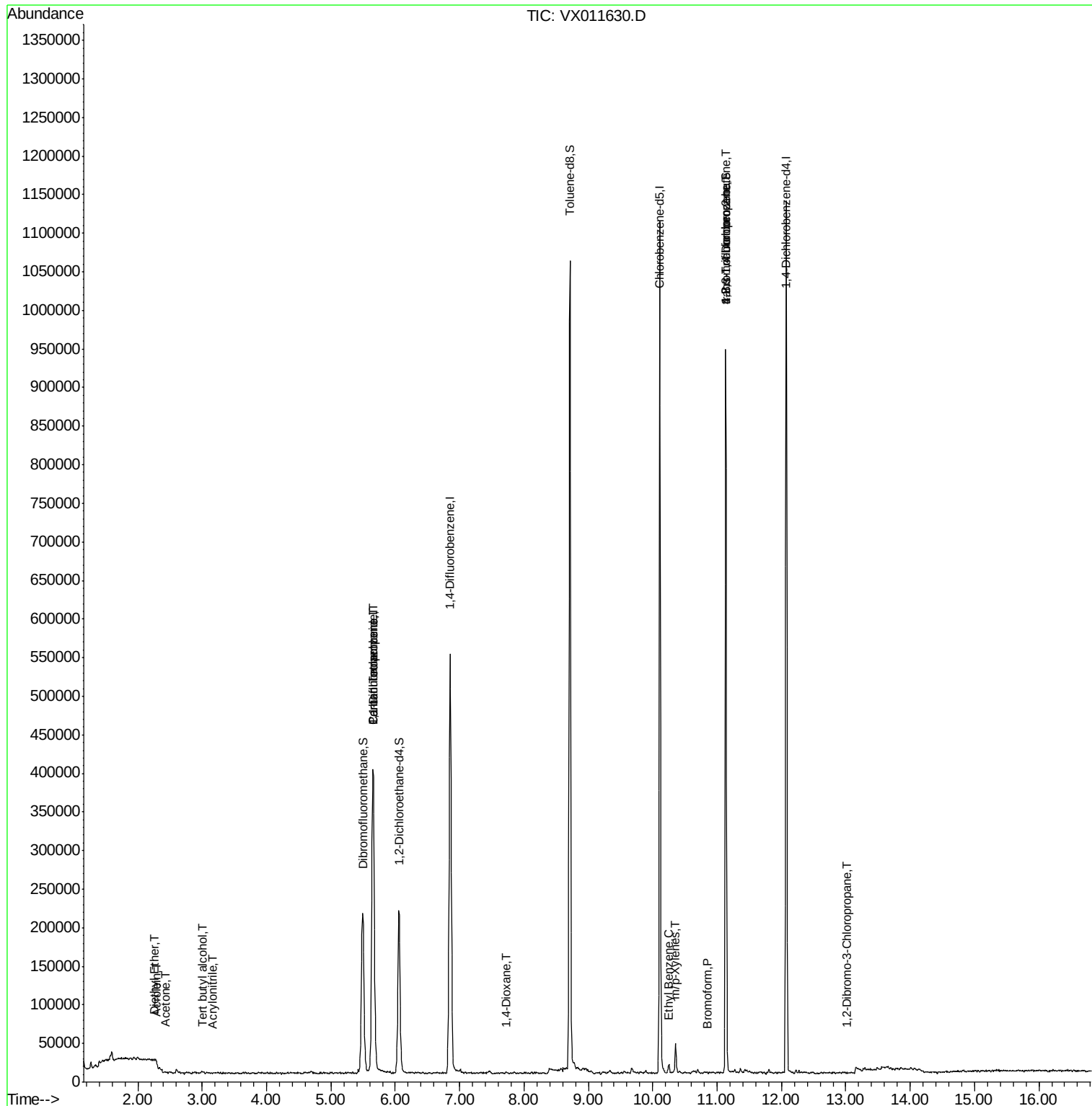
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	205194	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	
35) Dibromofluoromethane	5.49	113	176903	45.68	ug/l	0.00
Spiked Amount			Recovery	=	91.36%	
50) Toluene-d8	8.71	98	644172	53.39	ug/l	0.00
Spiked Amount			Recovery	=	106.78%	
62) 4-Bromofluorobenzene	11.13	95	234731	46.09	ug/l	0.00
Spiked Amount			Recovery	=	92.18%	

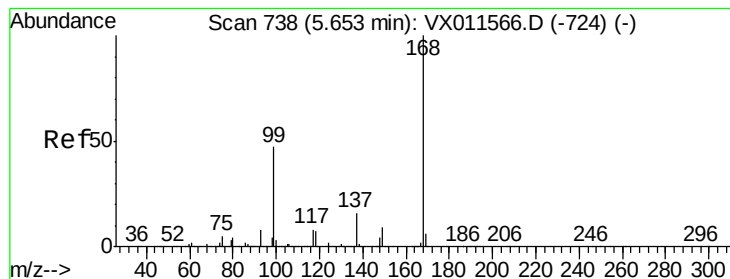
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.25	74	401	0.211	ug/l	67
11) Tert butyl alcohol	3.01	59	1358	1.379	ug/l #	93
13) Acrolein	2.29	56	235	12.922	ug/l	96
15) Acrylonitrile	3.16	53	558	0.248	ug/l #	17
16) Acetone	2.43	43	1827	0.905	ug/l	93
36) 1,1-Dichloropropene	5.65	75	24171	4.775	ug/l #	51
38) Carbon Tetrachloride	5.65	117	36595	6.562	ug/l #	16
49) 1,4-Dioxane	7.72	88	49	0.409	ug/l #	1
67) Ethyl Benzene	10.25	91	6246	0.336	ug/l	93
68) m/p-Xylenes	10.35	106	9547	1.336	ug/l	93
71) Bromoform	10.86	173	87	3.312	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	109274	22.521	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	109274	60.020	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	13.02	75	295	0.226	ug/l #	19

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

```
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX081919\  
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Misc      : 5.0mL/MSVOA_X/WATER  
ALS Vial  : 13   Sample Multiplier: 1
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Quant Time: Aug 20 09:39:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 16 04:15:26 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011630.D

Acq: 19 Aug 2019 14:32

Instrument :

MSVOA_X

ClientSampleId :

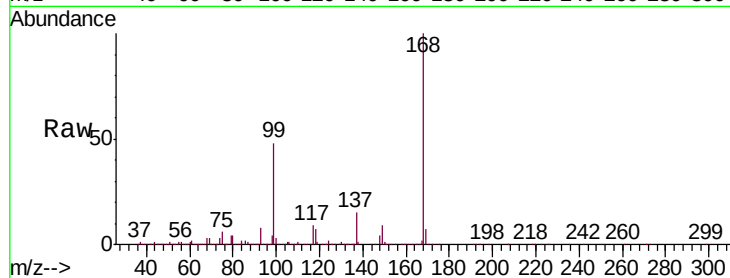
PH2-0143

Tgt Ion:168 Resp: 432777

Ion Ratio Lower Upper

168 100

99 47.6 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

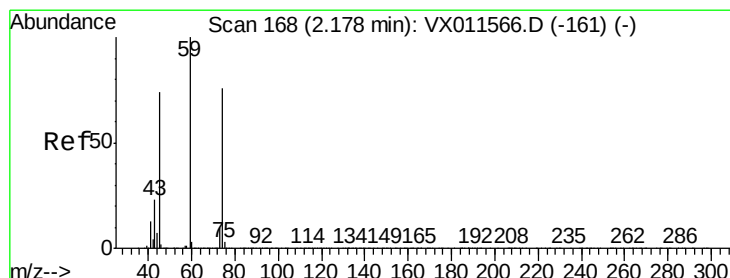
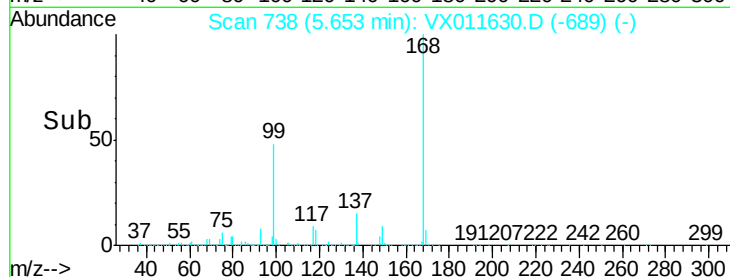
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 0.211 ug/l

RT: 2.25 min Scan# 179

Delta R.T. 0.07 min

Lab File: VX011630.D

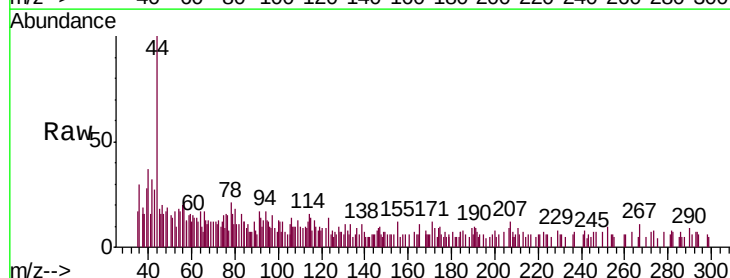
Acq: 19 Aug 2019 14:32

Tgt Ion: 74 Resp: 401

Ion Ratio Lower Upper

74 100

45 128.7 48.2 144.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

500

400

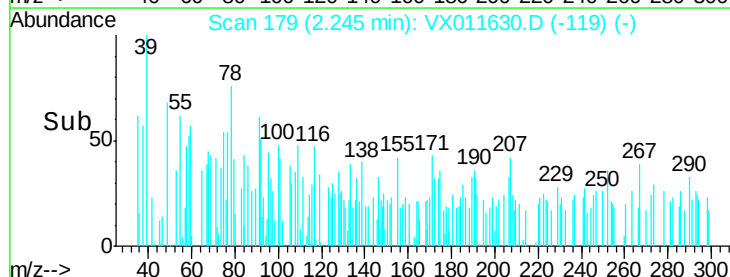
300

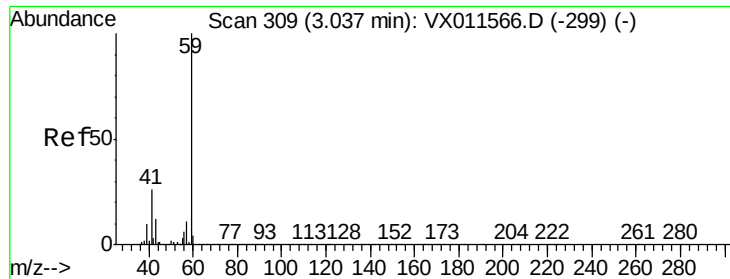
200

100

0

Time-->

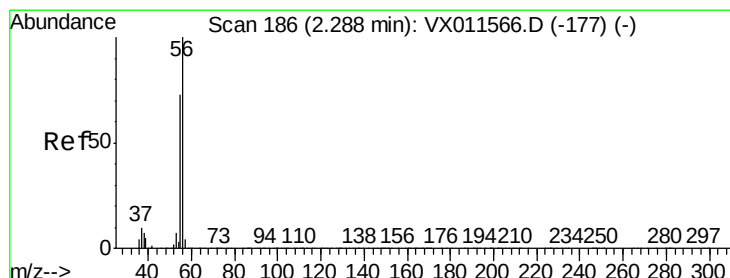
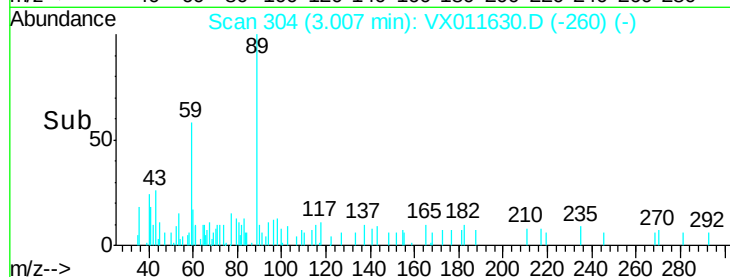
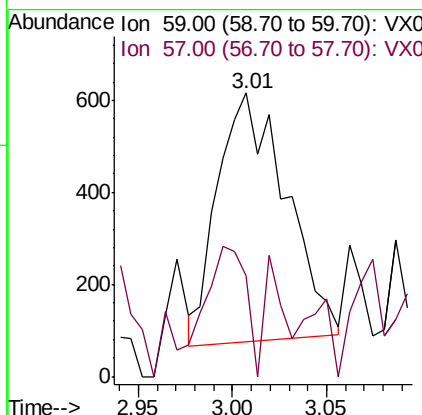
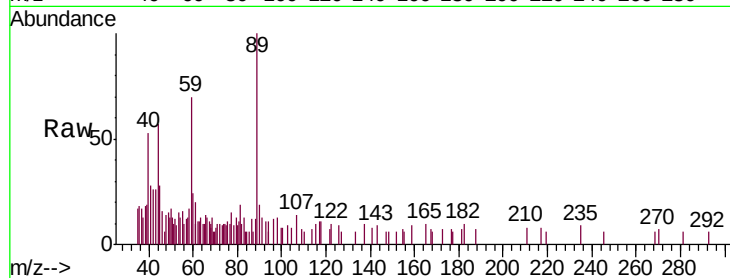




#11
Tert butyl alcohol
Concen: 1.379 ug/l
RT: 3.01 min Scan# 304
Delta R.T. -0.03 min
Lab File: VX011630.D
Acq: 19 Aug 2019 14:32

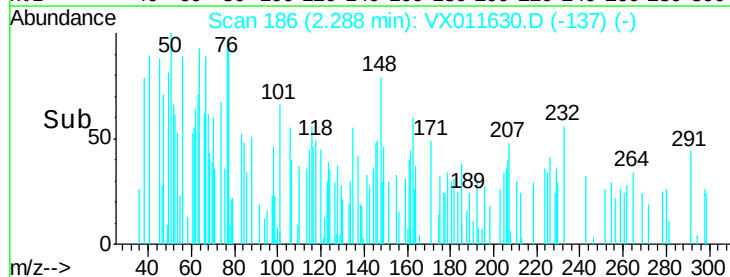
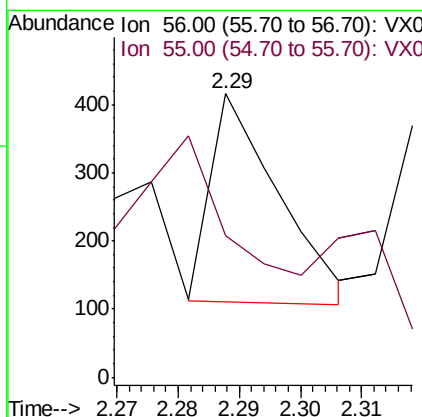
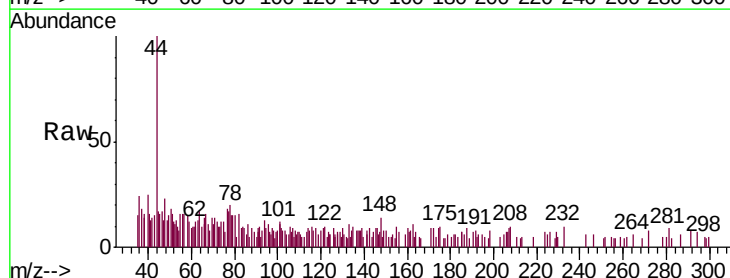
Instrument :
MSVOA_X
ClientSampleId :
PH2-0143

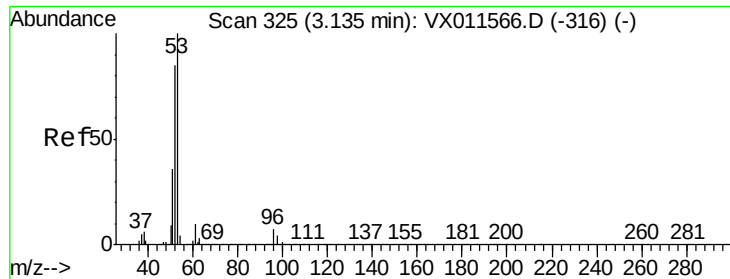
Tgt Ion: 59 Resp: 1358
Ion Ratio Lower Upper
59 100
57 13.5 8.7 13.1#



#13
Acrolein
Concen: 12.922 ug/l
RT: 2.29 min Scan# 186
Delta R.T. 0.00 min
Lab File: VX011630.D
Acq: 19 Aug 2019 14:32

Tgt Ion: 56 Resp: 235
Ion Ratio Lower Upper
56 100
55 72.3 55.5 83.3





#15

Acrylonitrile

Concen: 0.248 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.02 min

Lab File: VX011630.D

Acq: 19 Aug 2019 14:32

Instrument :

MSVOA_X

ClientSampleId :

PH2-0143

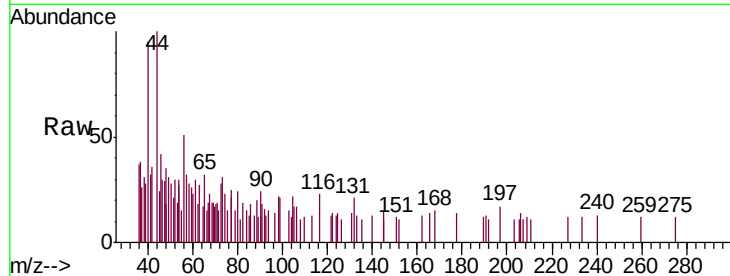
Tgt Ion: 53 Resp: 558

Ion Ratio Lower Upper

53 100

52 0.0 66.7 100.1#

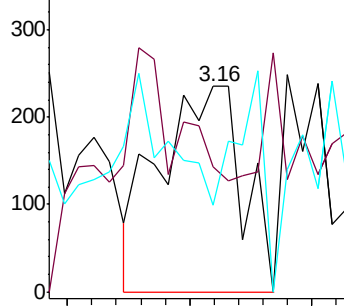
51 0.0 28.7 43.1#



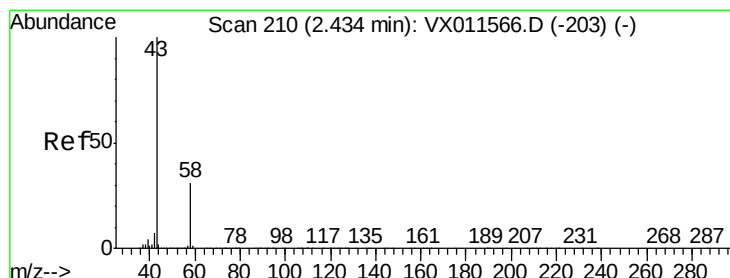
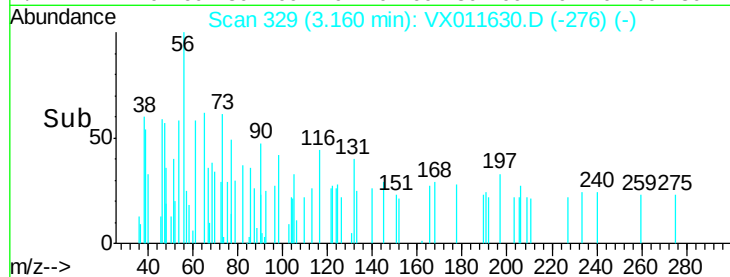
Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



Time-->



#16

Acetone

Concen: 0.905 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011630.D

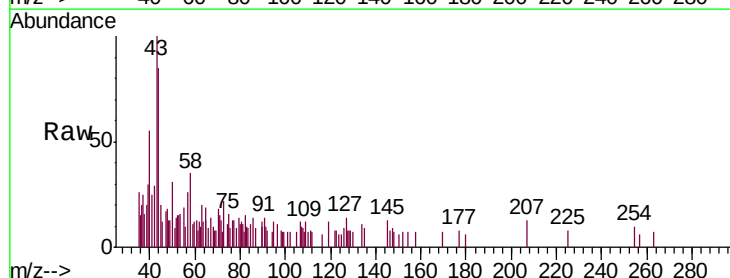
Acq: 19 Aug 2019 14:32

Tgt Ion: 43 Resp: 1827

Ion Ratio Lower Upper

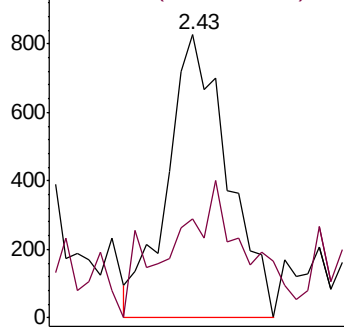
43 100

58 35.2 25.2 37.8

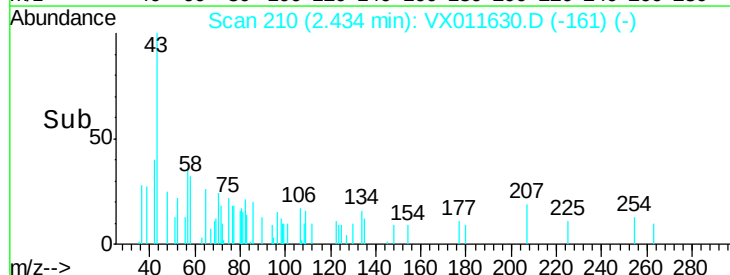


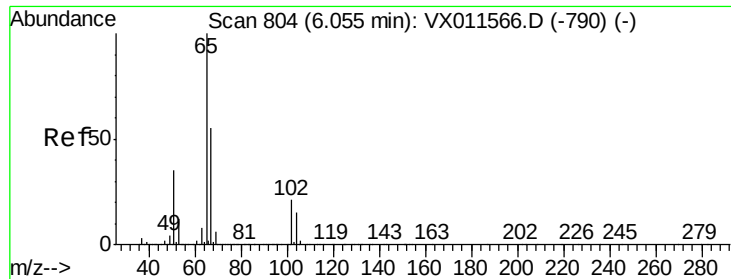
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->

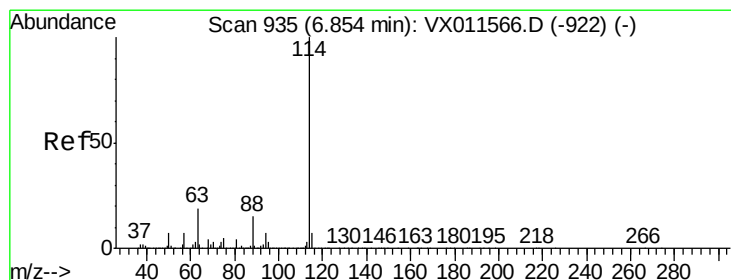
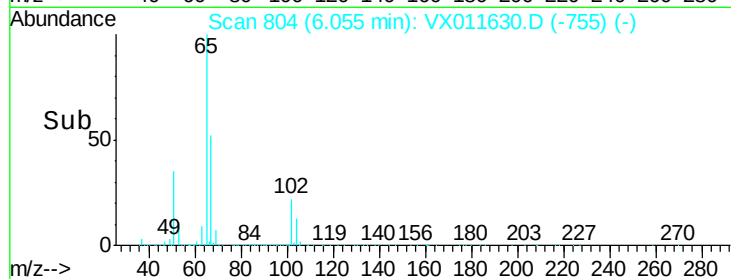
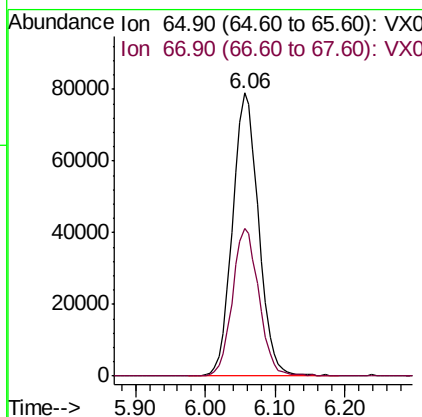
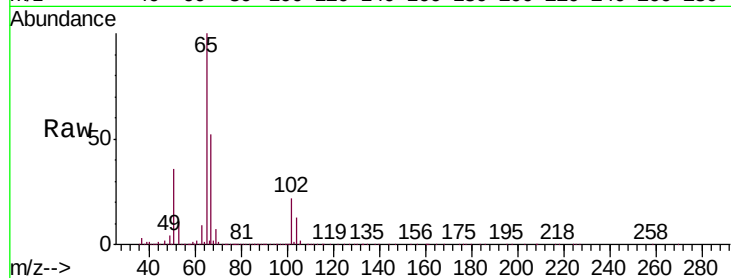




#33
 1,2-Dichloroethane-d4
 Concen: 51.127 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011630.D
 Acq: 19 Aug 2019 14:32

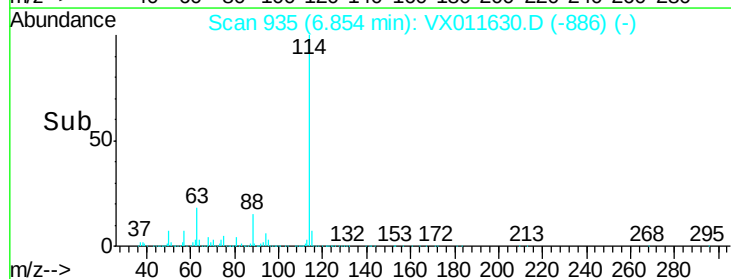
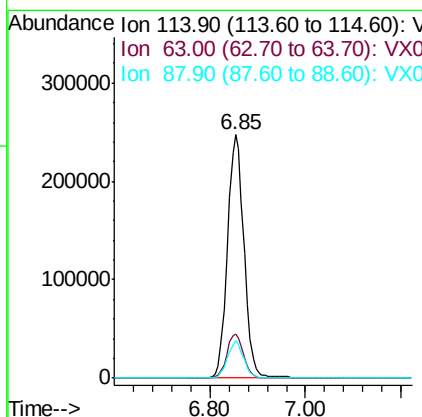
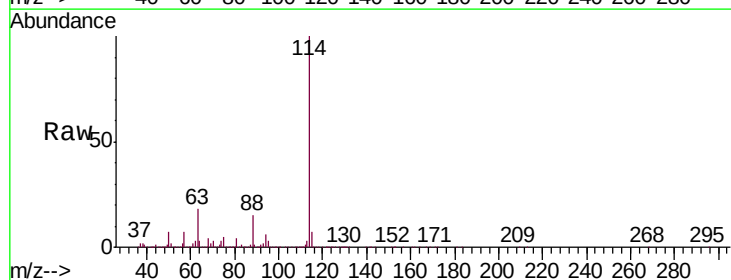
Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0143

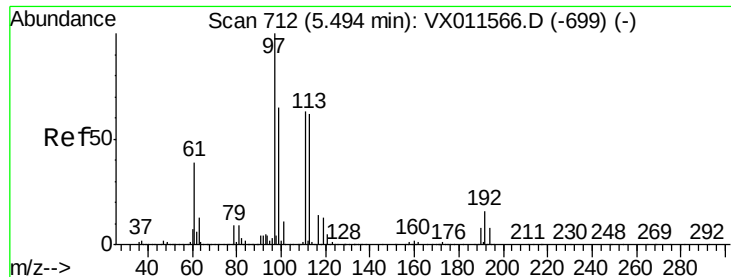
Tgt Ion: 65 Resp: 205194
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011630.D
 Acq: 19 Aug 2019 14:32

Tgt Ion: 114 Resp: 592072
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 37.8
 88 15.2 0.0 30.2





#35

Dibromofluoromethane

Concen: 45.682 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011630.D

Acq: 19 Aug 2019 14:32

Instrument :

MSVOA_X

ClientSampleId :

PH2-0143

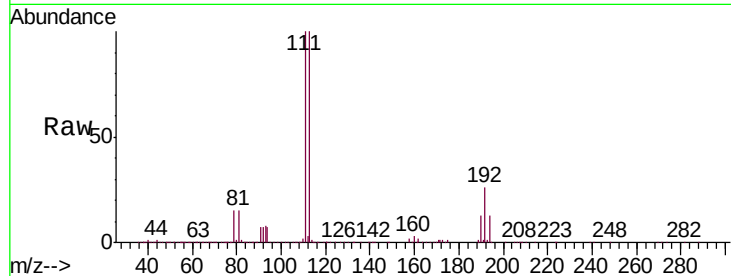
Tgt Ion:113 Resp: 176903

Ion Ratio Lower Upper

113 100

111 102.4 81.1 121.7

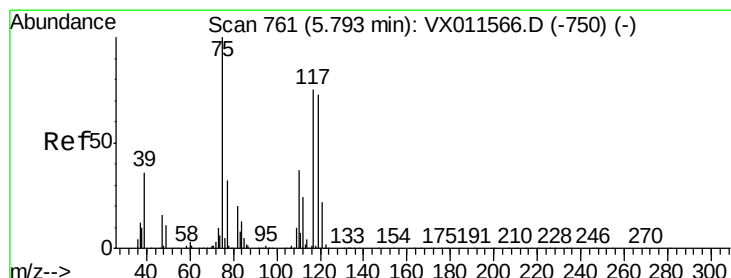
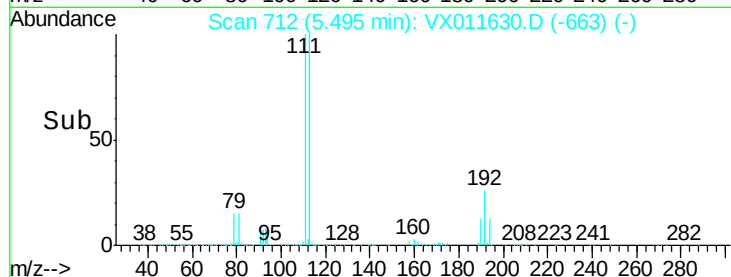
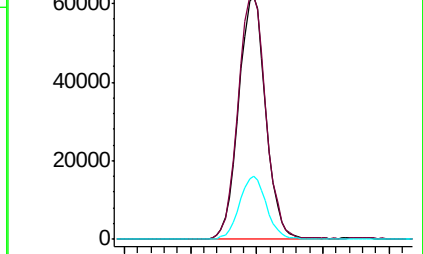
192 25.9 20.8 31.2



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: 4.775 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.14 min

Lab File: VX011630.D

Acq: 19 Aug 2019 14:32

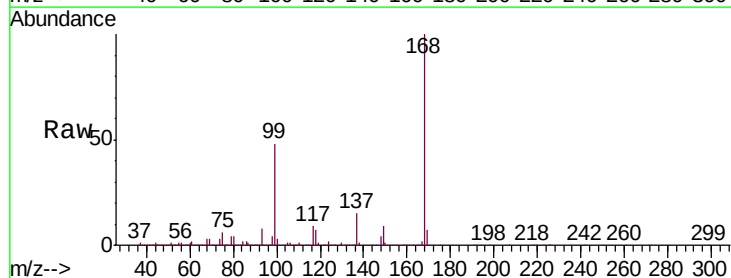
Tgt Ion: 75 Resp: 24171

Ion Ratio Lower Upper

75 100

110 12.4 19.4 58.1#

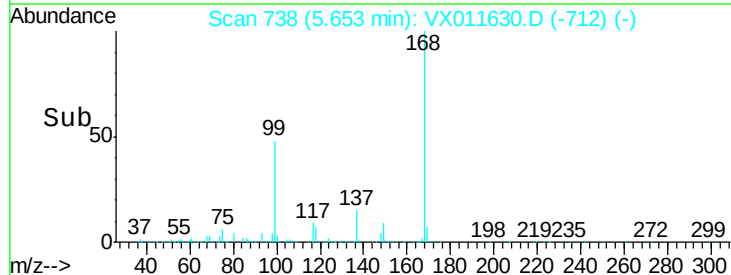
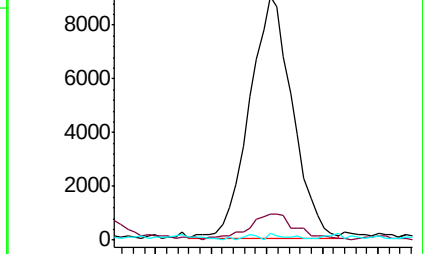
77 0.9 25.1 37.7#

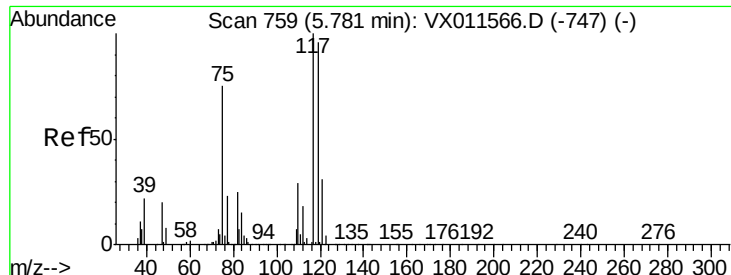


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.562 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX011630.D

Acq: 19 Aug 2019 14:32

Instrument :

MSVOA_X

ClientSampled :

PH2-0143

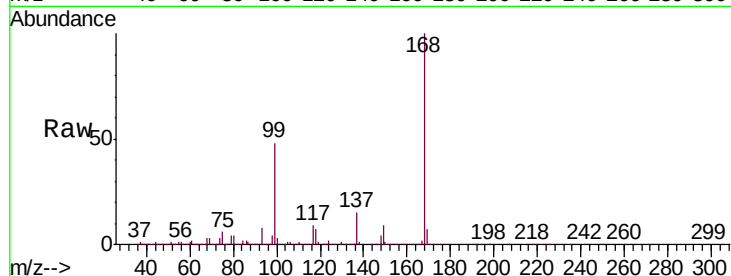
Tgt Ion: 117 Resp: 36595

Ion Ratio Lower Upper

117 100

119 5.3 76.9 115.3#

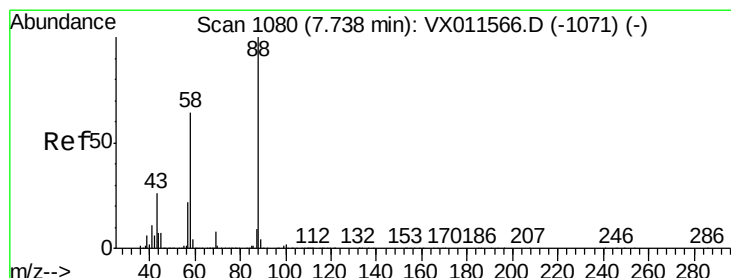
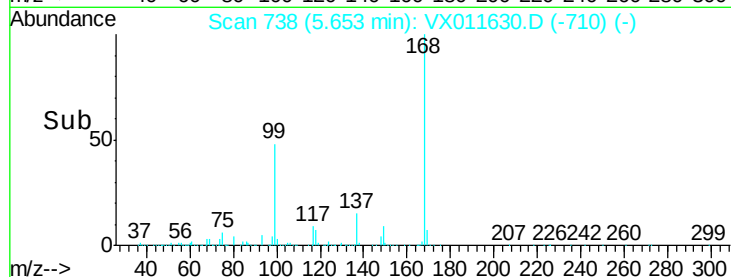
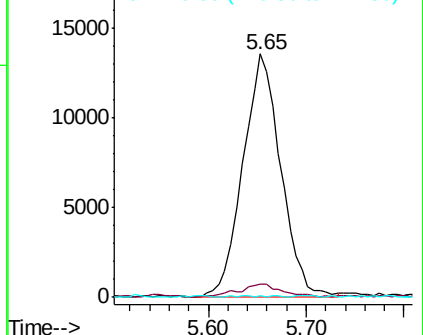
121 0.4 24.8 37.2#



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: 0.409 ug/l

RT: 7.72 min Scan# 1077

Delta R.T. -0.02 min

Lab File: VX011630.D

Acq: 19 Aug 2019 14:32

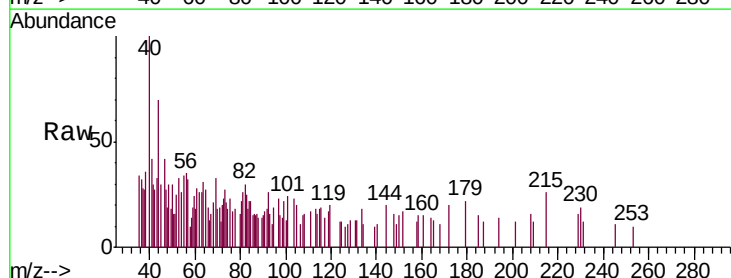
Tgt Ion: 88 Resp: 49

Ion Ratio Lower Upper

88 100

43 812.2 23.4 35.0#

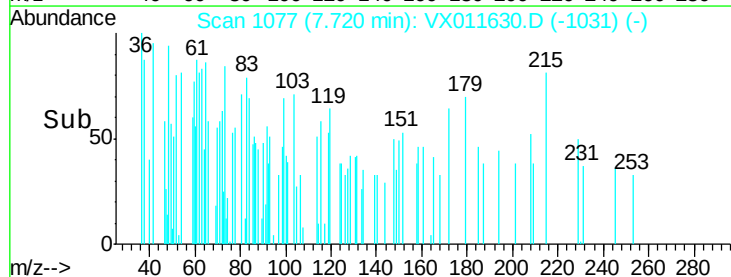
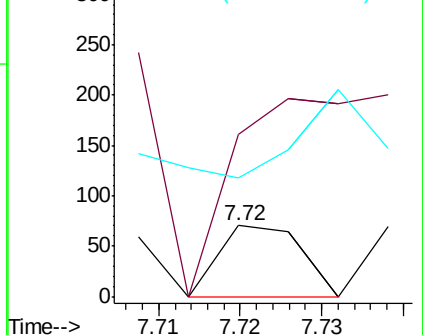
58 136.7 54.3 81.5#

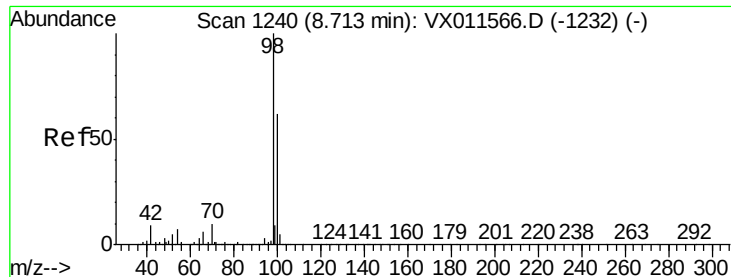


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 53.386 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011630.D

Acq: 19 Aug 2019 14:32

Instrument :

MSVOA_X

ClientSampleId :

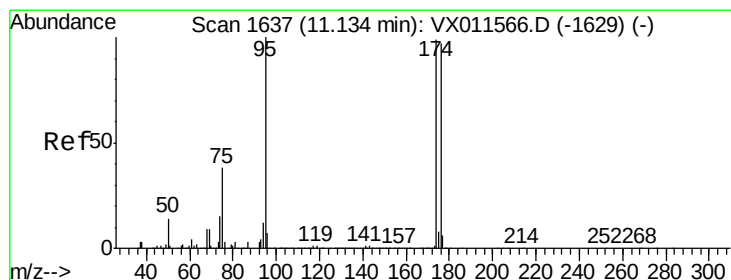
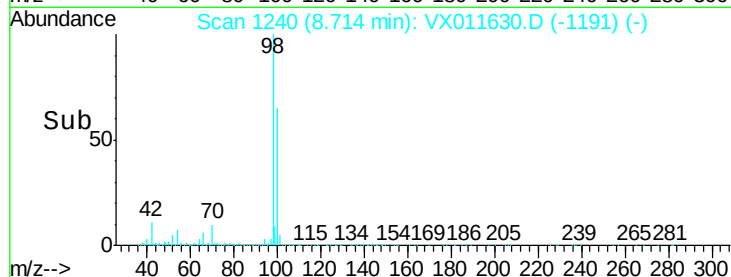
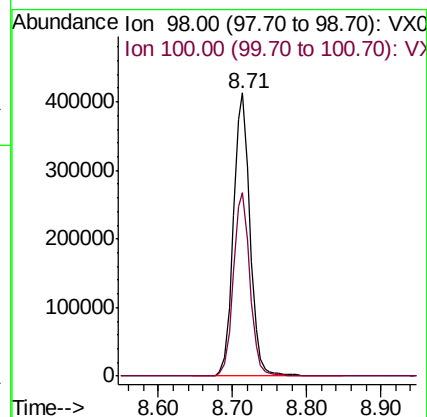
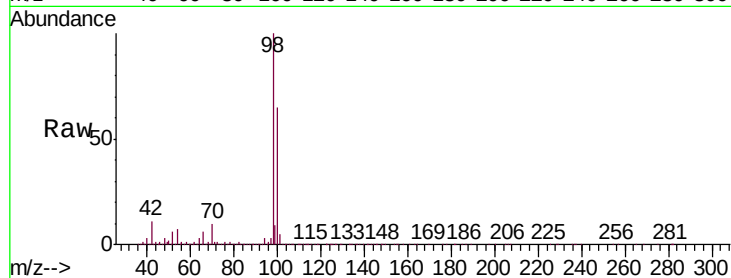
PH2-0143

Tgt Ion: 98 Resp: 644172

Ion Ratio Lower Upper

98 100

100 65.0 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 46.089 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011630.D

Acq: 19 Aug 2019 14:32

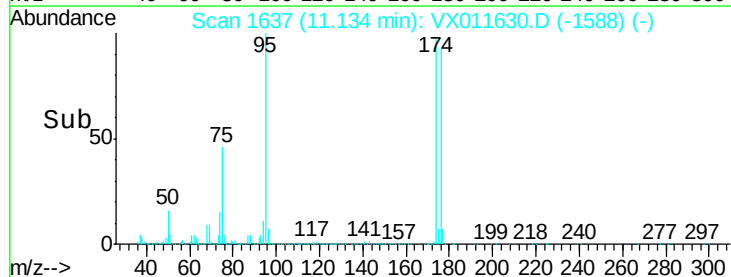
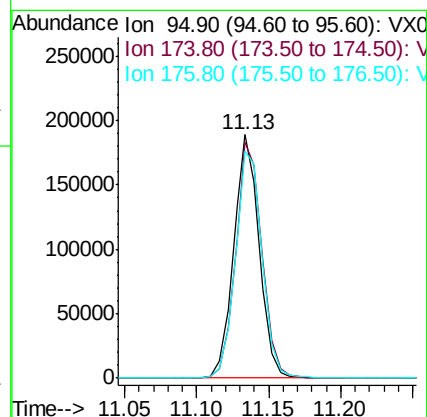
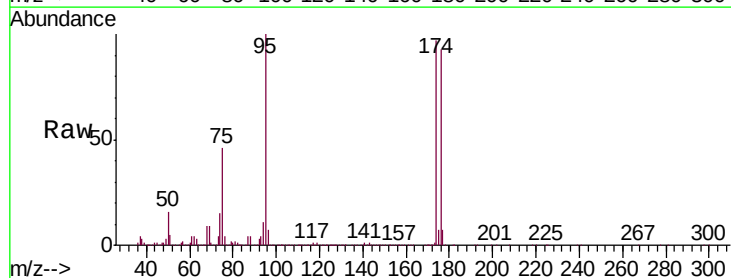
Tgt Ion: 95 Resp: 234731

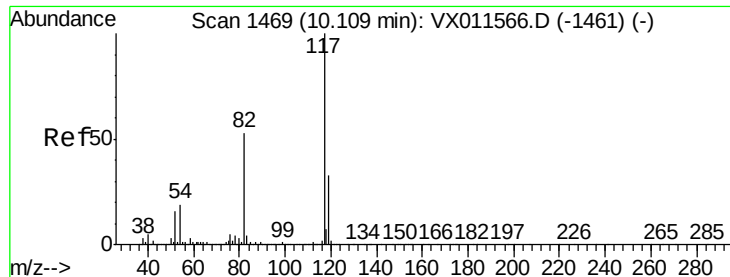
Ion Ratio Lower Upper

95 100

174 99.4 0.0 200.6

176 96.8 0.0 196.6

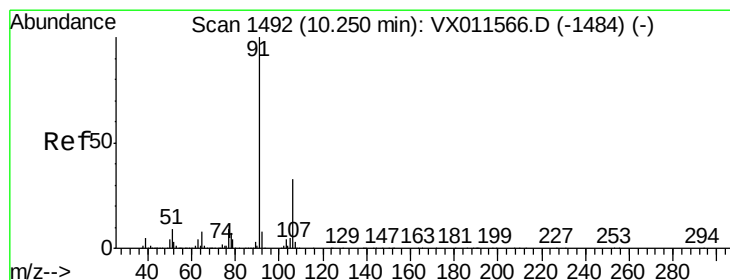
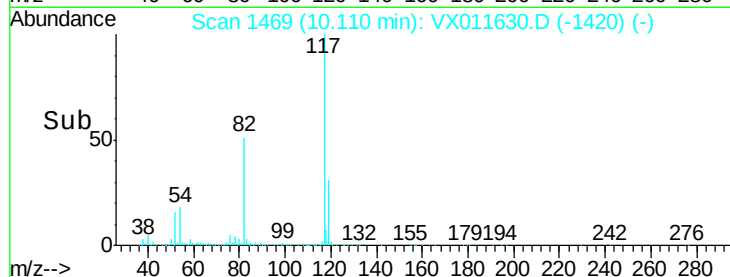
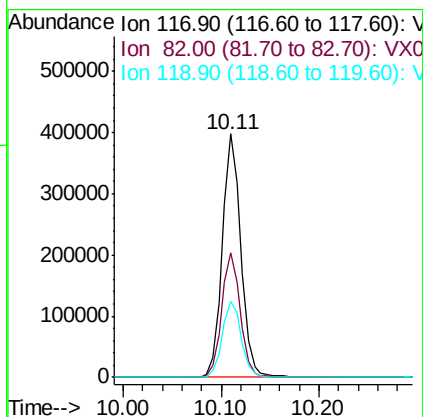
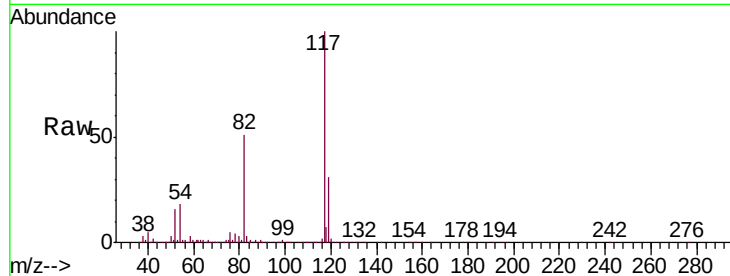




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011630.D
Acq: 19 Aug 2019 14:32

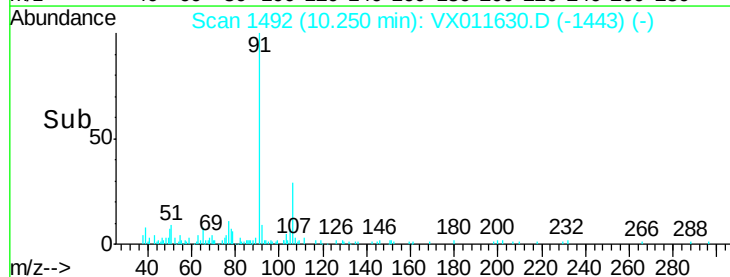
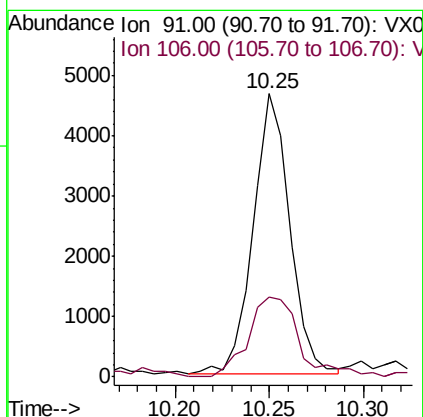
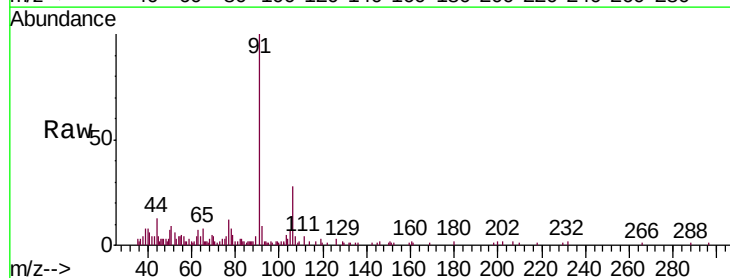
Instrument :
MSVOA_X
ClientSampleId :
PH2-0143

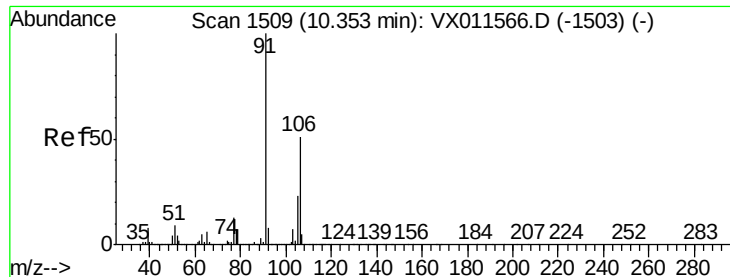
Tgt Ion:117 Resp: 522952
Ion Ratio Lower Upper
117 100
82 50.9 42.0 63.0
119 31.4 26.5 39.7



#67
Ethyl Benzene
Concen: 0.336 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011630.D
Acq: 19 Aug 2019 14:32

Tgt Ion: 91 Resp: 6246
Ion Ratio Lower Upper
91 100
106 28.7 26.0 39.0





#68

m/p-Xylenes

Concen: 1.336 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VX011630.D

Acq: 19 Aug 2019 14:32

Instrument :

MSVOA_X

ClientSampleId :

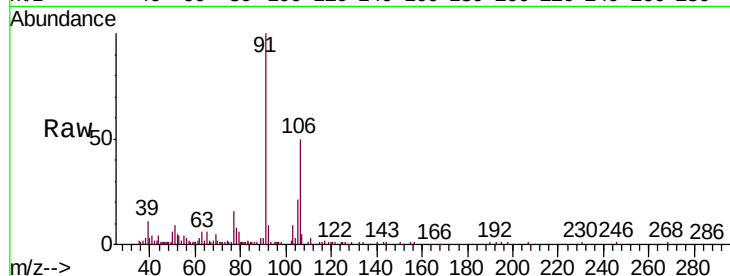
PH2-0143

Tgt Ion:106 Resp: 9547

Ion Ratio Lower Upper

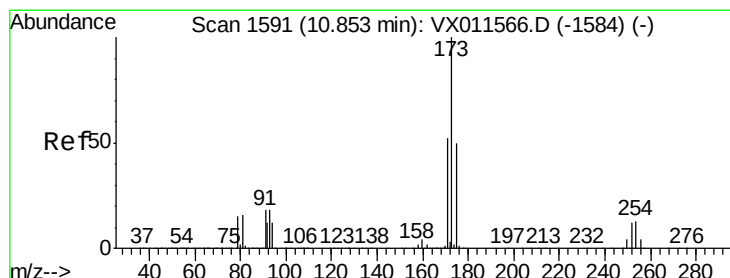
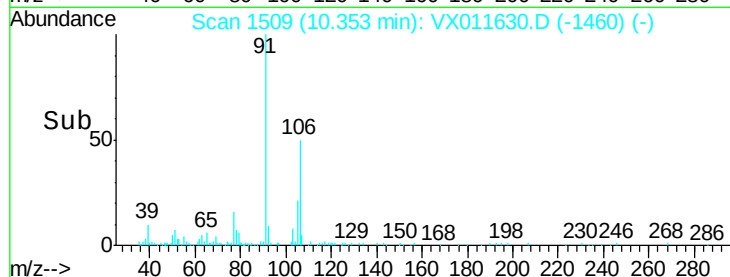
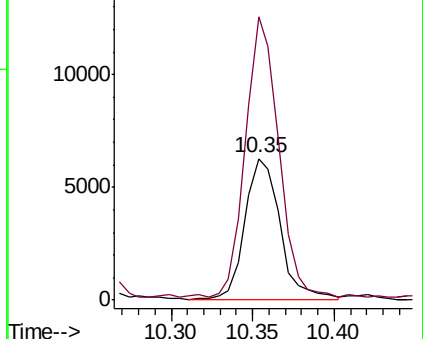
106 100

91 185.0 156.0 234.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#71

Bromoform

Concen: 3.312 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.01 min

Lab File: VX011630.D

Acq: 19 Aug 2019 14:32

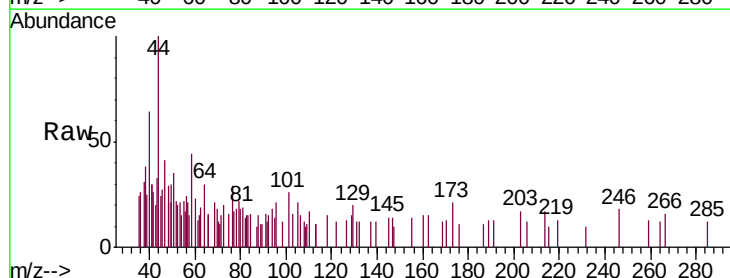
Tgt Ion:173 Resp: 87

Ion Ratio Lower Upper

173 100

175 0.0 24.9 74.7#

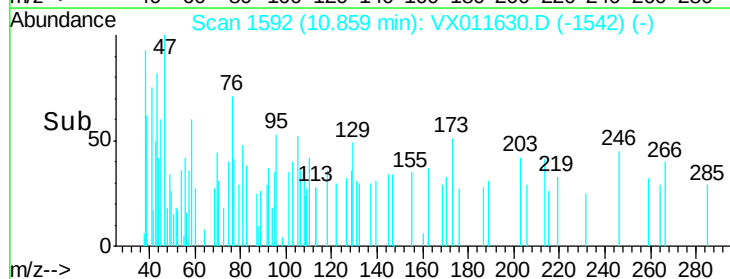
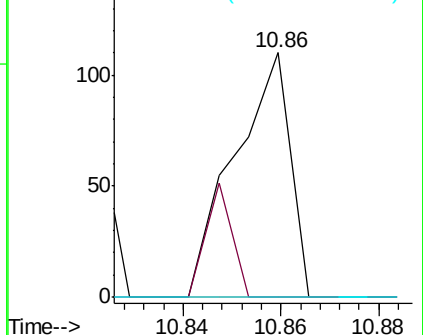
254 0.0 0.1 0.1#

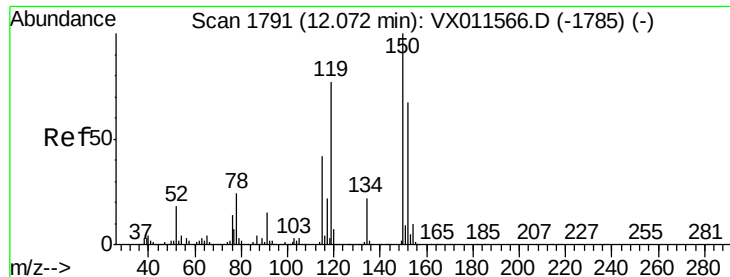


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

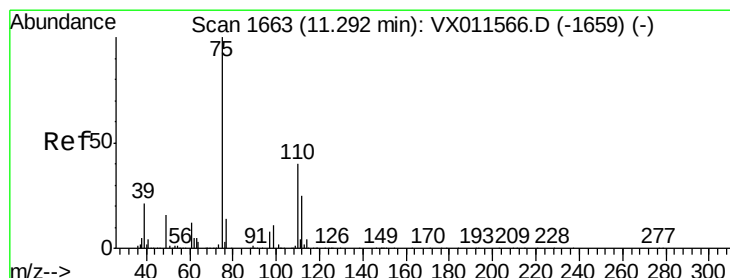
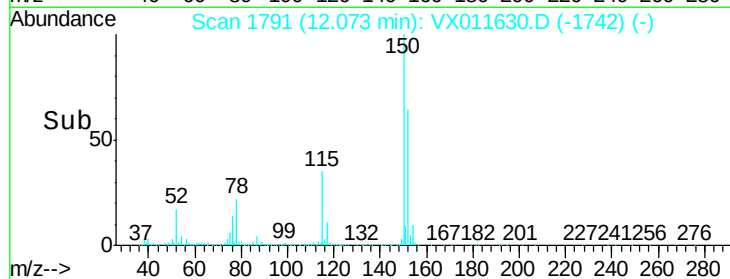
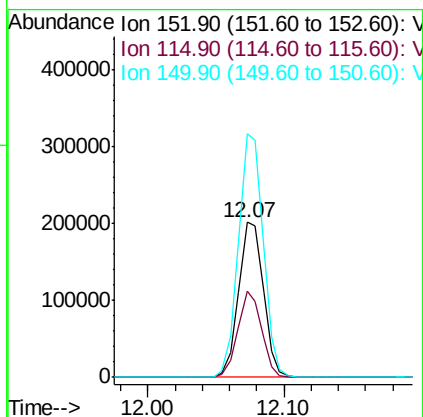
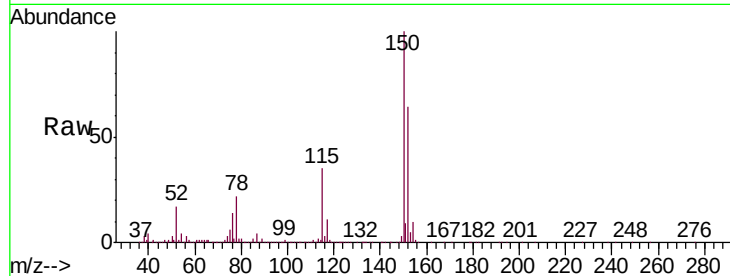




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX011630.D
 Acq: 19 Aug 2019 14:32

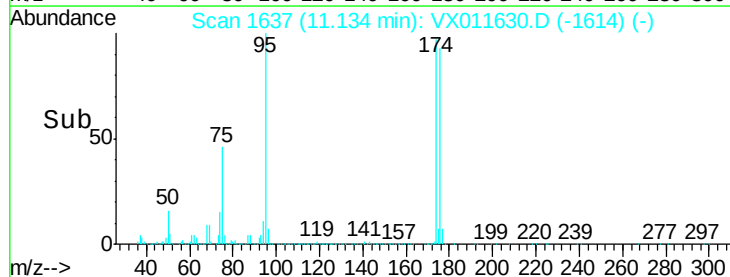
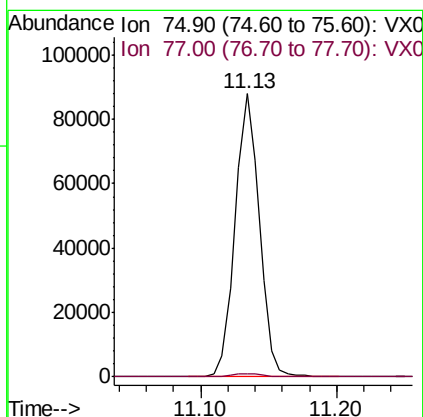
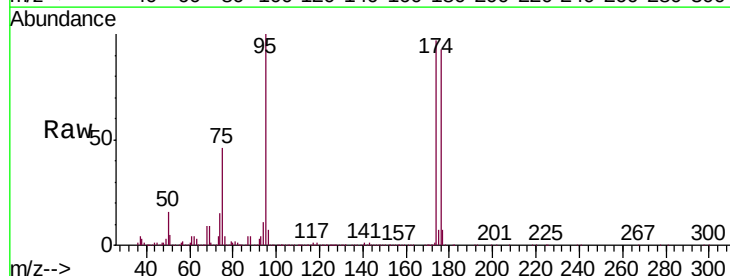
Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0143

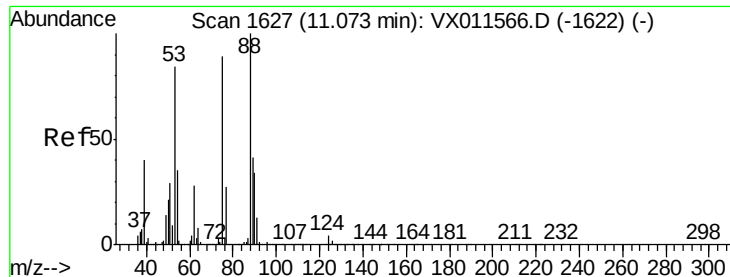
Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.0	37.3	111.9
150	156.9	0.0	346.2



#76
 1,2,3-Trichloropropane
 Concen: 22.521 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011630.D
 Acq: 19 Aug 2019 14:32

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	20.9	62.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 60.020 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011630.D

Acq: 19 Aug 2019 14:32

Instrument :

MSVOA_X

ClientSampleId :

PH2-0143

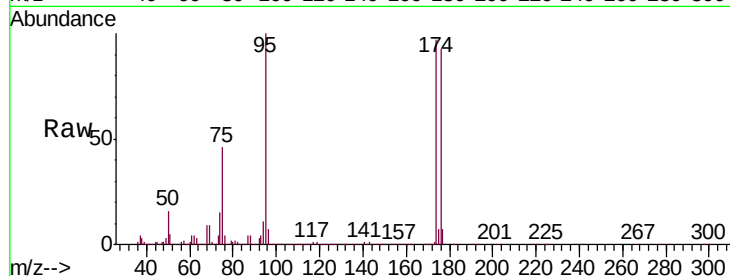
Tgt Ion: 75 Resp: 109274

Ion Ratio Lower Upper

75 100

53 0.0 77.4 116.0#

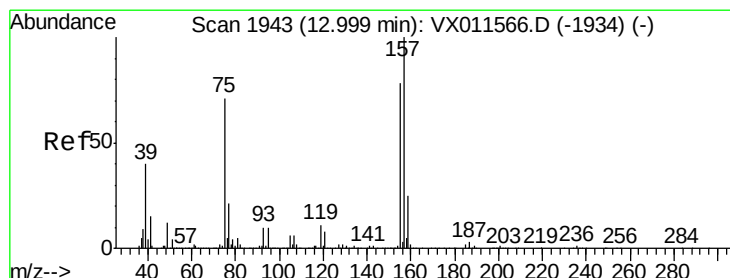
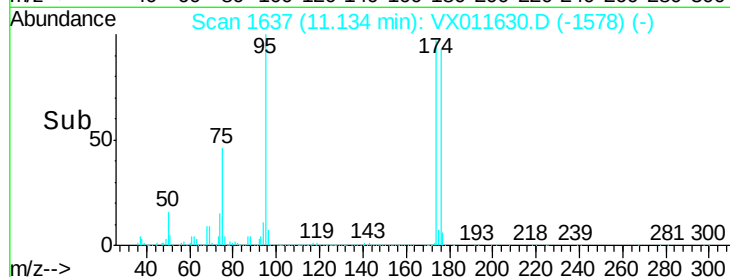
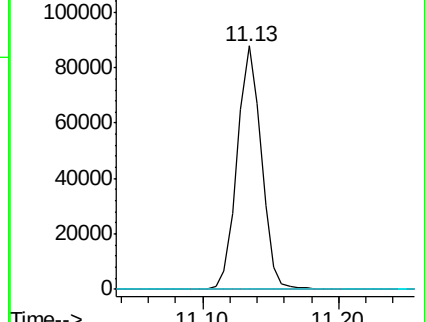
89 0.0 37.3 55.9#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.226 ug/l

RT: 13.02 min Scan# 1947

Delta R.T. 0.02 min

Lab File: VX011630.D

Acq: 19 Aug 2019 14:32

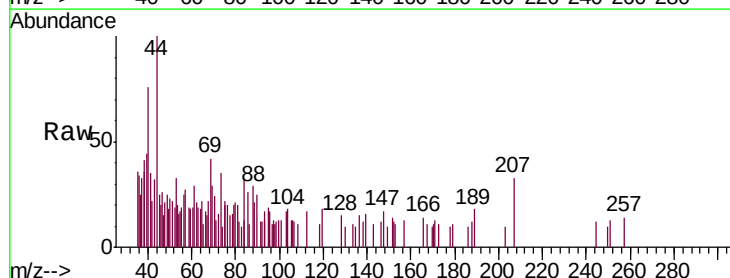
Tgt Ion: 75 Resp: 295

Ion Ratio Lower Upper

75 100

155 49.5 53.0 159.0#

157 15.6 68.3 205.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

