

Data File : VX001154.D
Acq On : 27 Apr 2018 05:23
Operator : JC/MD
Sample : PB108612ZHE#06 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB108612ZHE#06

Quant Time: Apr 27 07:25:52 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 27 01:51:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	208223	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	289331	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	257595	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	148364	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	136074	42.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.32%	
35) Dibromofluoromethane	5.51	113	105727	44.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.30%	
50) Toluene-d8	8.72	98	403533	44.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.30%	
62) 4-Bromofluorobenzene	11.14	95	139471	39.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.00%	

Target Compounds			Qvalue			
5) Bromomethane	1.66	94	251	Below Cal	#	64
10) Methyl Iodide	2.51	142	125	7.29	ug/l #	64
13) Acrolein	2.29	56	155	0.64	ug/l #	55
15) Acrylonitrile	3.14	53	305	0.22	ug/l #	49
16) Acetone	2.45	43	3664	2.76	ug/l	98
18) Methyl Acetate	2.79	43	3807	1.15	ug/l	94
20) Methylene Chloride	2.87	84	1119	0.45	ug/l #	92
25) 2-Butanone	4.72	43	648	0.33	ug/l	91
31) Cyclohexane	5.67	56	3843	1.12	ug/l #	7
36) 1,1-Dichloropropene	5.67	75	13385	4.20	ug/l #	50
38) Carbon Tetrachloride	5.67	117	17916	5.48	ug/l #	17
60) Dibromochloromethane	9.34	129	121	3.38	ug/l #	11
76) 1,2,3-Trichloropropane	11.14	75	71272	23.59	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	71272	72.43	ug/l #	6

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

Data File : VX001154.D

Acq On : 27 Apr 2018 05:23

Operator : JC/MD

Sample : PB108612ZHE#06 5X

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 27 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

PB108612ZHE#06

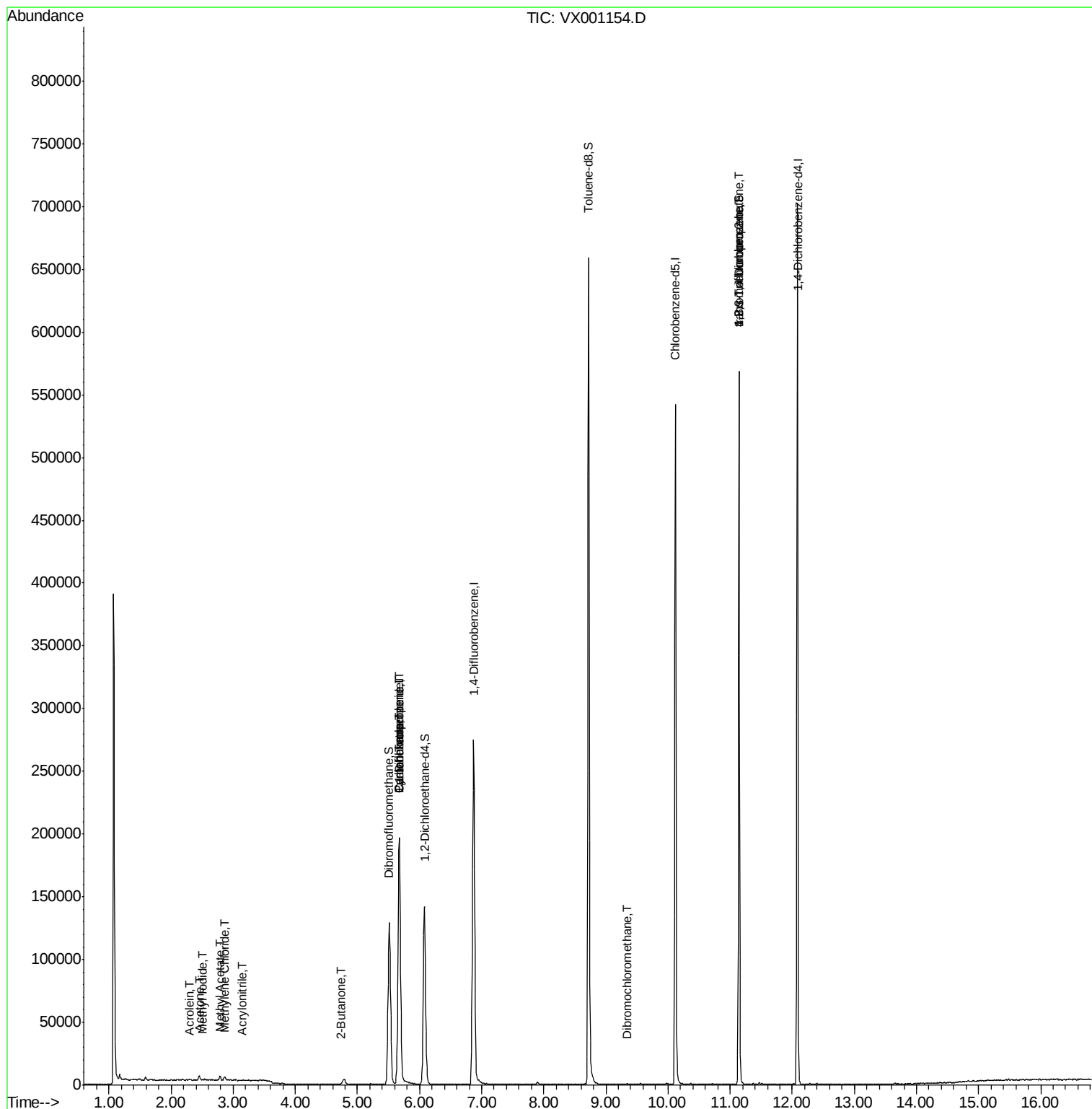
Quant Time: Apr 27 07:25:52 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M

Quant Title : SW846 8260

QLast Update : Fri Apr 27 01:51:42 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001154.D

Acq: 27 Apr 2018 05:23

Instrument :

MSVOA_X

ClientSampleId :

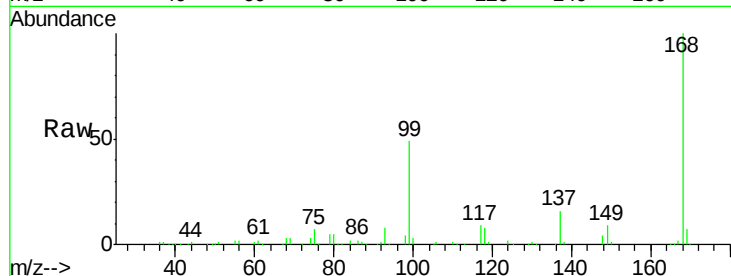
PB108612ZHE#06

Tgt Ion:168 Resp: 208223

Ion Ratio Lower Upper

168 100

99 48.7 40.6 60.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

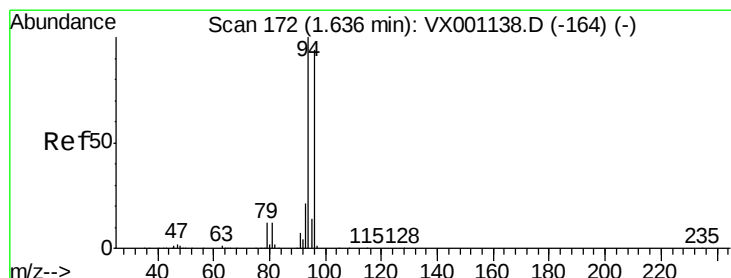
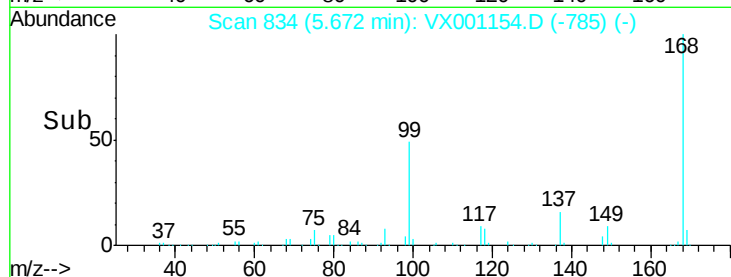
40000

20000

0

5.60 5.70 5.80

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX001154.D

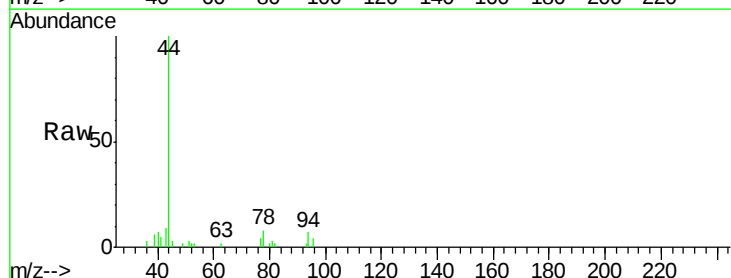
Acq: 27 Apr 2018 05:23

Tgt Ion: 94 Resp: 251

Ion Ratio Lower Upper

94 100

96 59.6 75.3 112.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

200

150

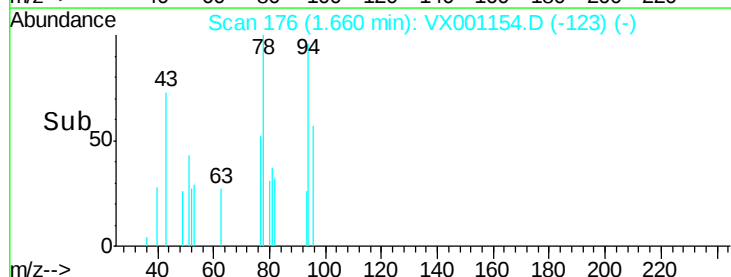
100

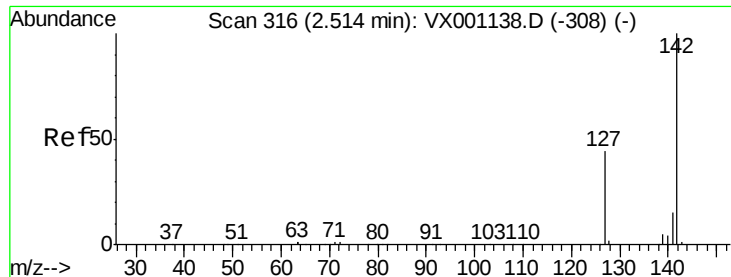
50

0

1.60 1.65 1.70

Time-->

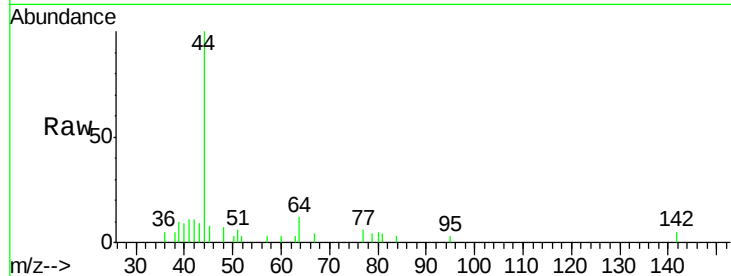




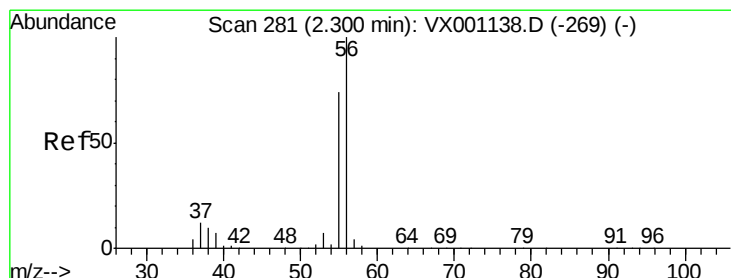
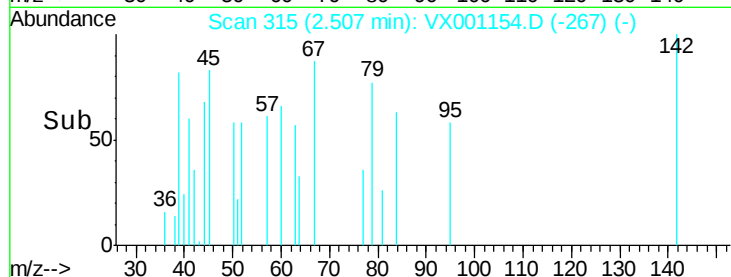
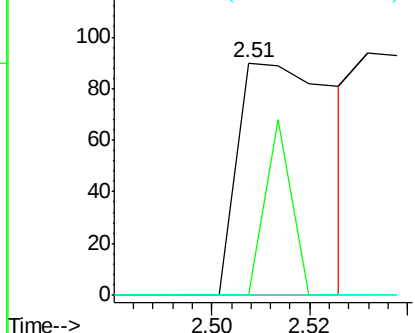
#10
Methyl Iodide
Concen: 7.29 ug/l
RT: 2.51 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX001154.D
Acq: 27 Apr 2018 05:23

Instrument :
MSVOA_X
ClientSampleId :
PB108612ZHE#06

Tgt Ion: 142 Resp: 125
Ion Ratio Lower Upper
142 100
127 20.0 34.7 52.1#
141 0.0 11.6 17.4#

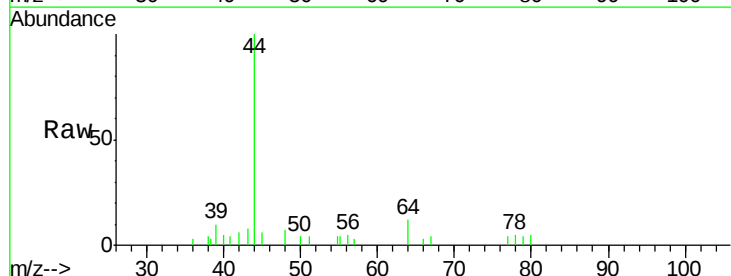


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

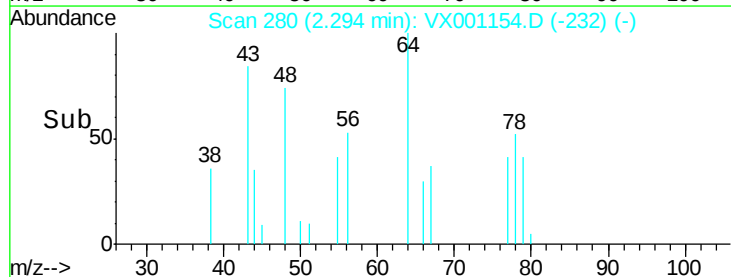
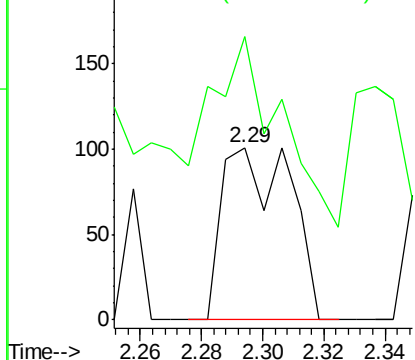


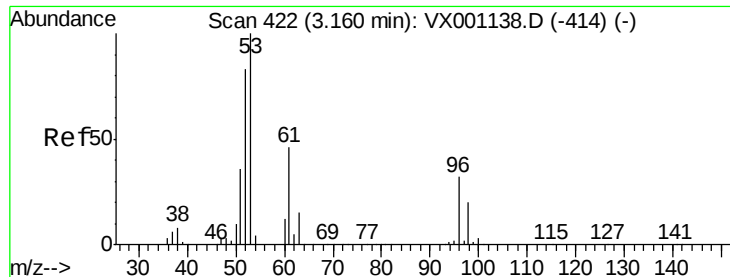
#13
Acrolein
Concen: 0.64 ug/l
RT: 2.29 min Scan# 280
Delta R.T. -0.01 min
Lab File: VX001154.D
Acq: 27 Apr 2018 05:23

Tgt Ion: 56 Resp: 155
Ion Ratio Lower Upper
56 100
55 109.0 57.2 85.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.22 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.02 min

Lab File: VX001154.D

Acq: 27 Apr 2018 05:23

Instrument :

MSVOA_X

ClientSampleId :

PB108612ZHE#06

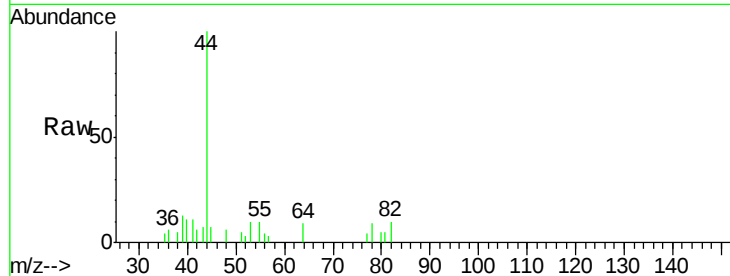
Tgt Ion: 53 Resp: 305

Ion Ratio Lower Upper

53 100

52 52.8 66.5 99.7#

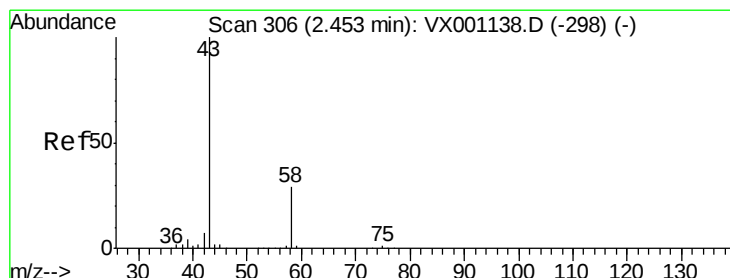
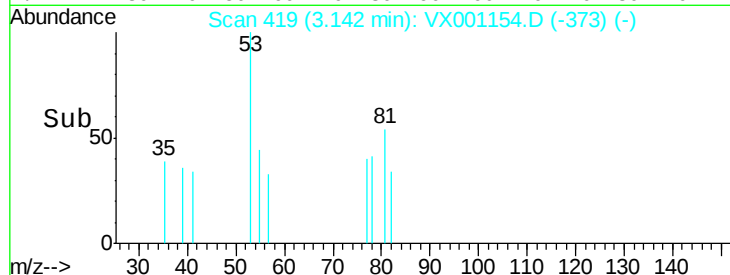
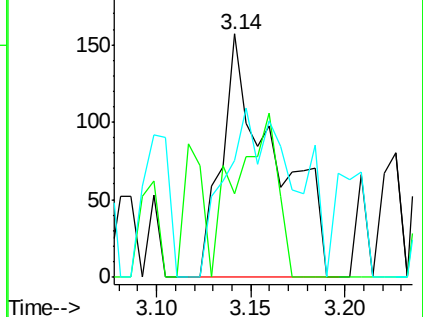
51 90.2 29.5 44.3#



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



#16

Acetone

Concen: 2.76 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001154.D

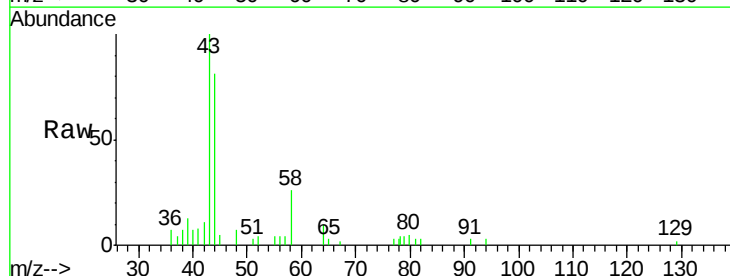
Acq: 27 Apr 2018 05:23

Tgt Ion: 43 Resp: 3664

Ion Ratio Lower Upper

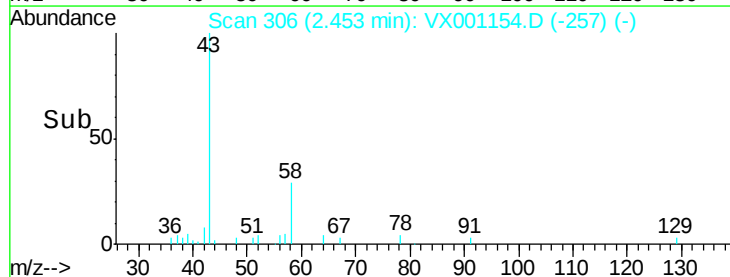
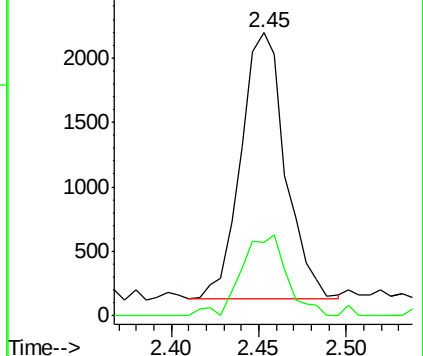
43 100

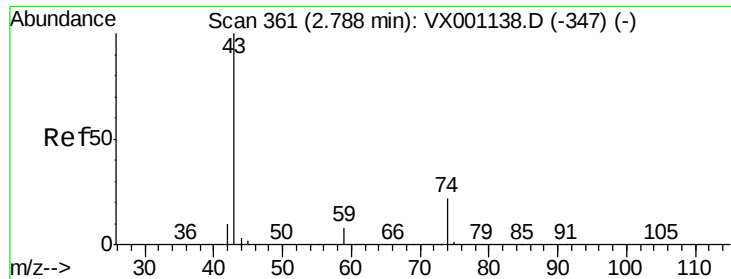
58 27.8 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

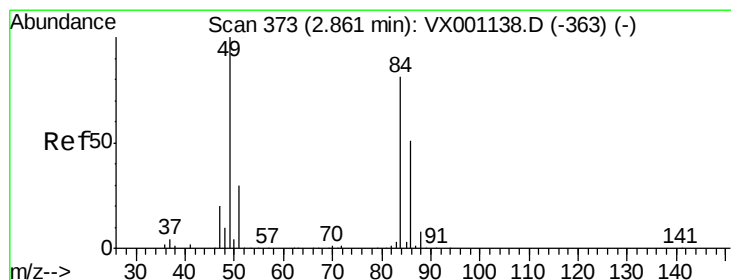
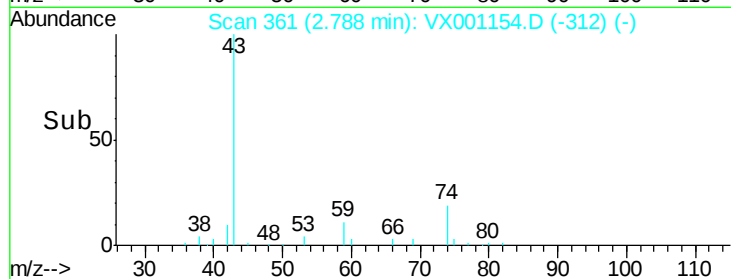
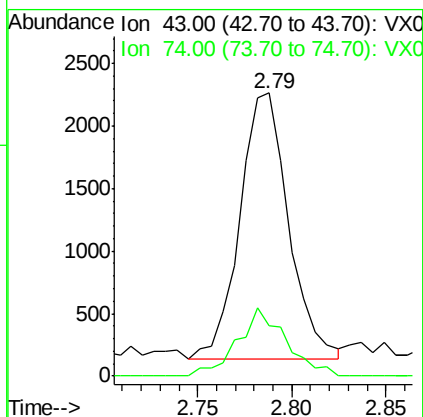
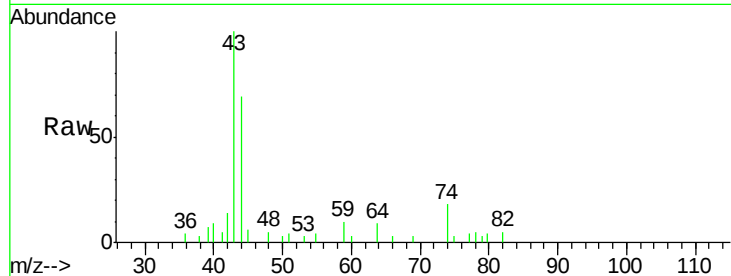




#18
Methyl Acetate
Concen: 1.15 ug/l
RT: 2.79 min Scan# 361
Delta R.T. -0.00 min
Lab File: VX001154.D
Acq: 27 Apr 2018 05:23

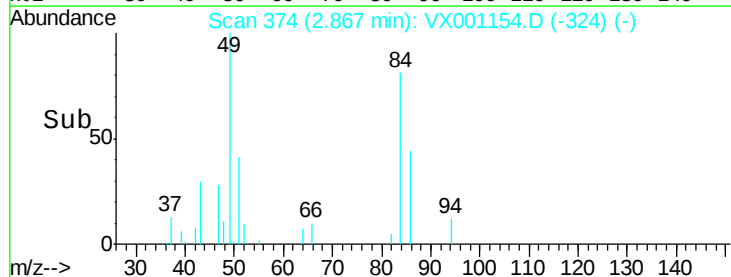
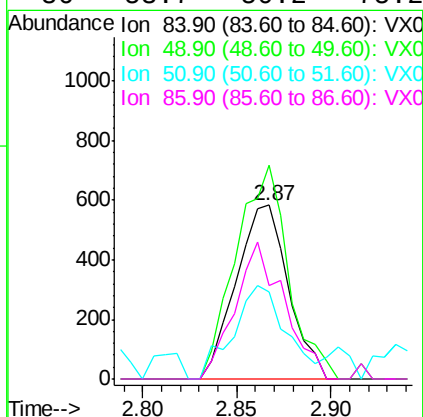
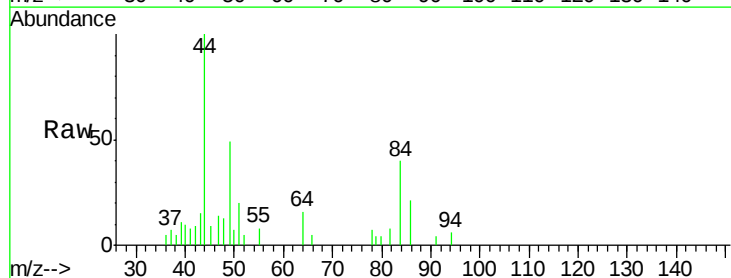
Instrument :
MSVOA_X
ClientSampleId :
PB108612ZHE#06

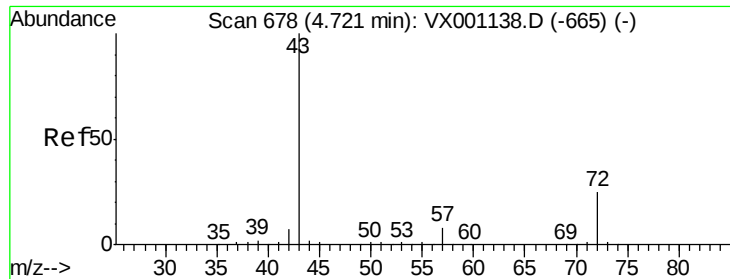
Tgt Ion: 43 Resp: 3807
Ion Ratio Lower Upper
43 100
74 25.7 18.1 27.1



#20
Methylene Chloride
Concen: 0.45 ug/l
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX001154.D
Acq: 27 Apr 2018 05:23

Tgt Ion: 84 Resp: 1119
Ion Ratio Lower Upper
84 100
49 122.8 99.2 148.8
51 50.4 29.5 44.3#
86 53.7 50.2 75.2





#25

2-Butanone

Concen: 0.33 ug/l

RT: 4.72 min Scan# 678

Delta R.T. -0.00 min

Lab File: VX001154.D

Acq: 27 Apr 2018 05:23

Instrument :

MSVOA_X

ClientSampleId :

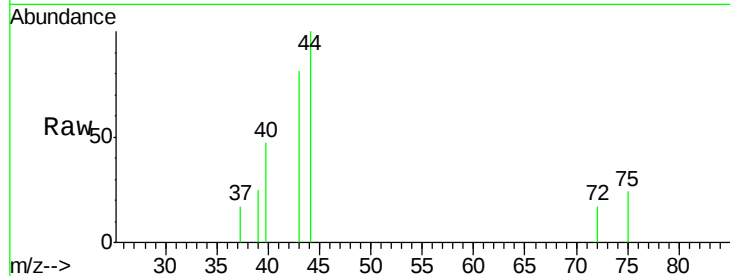
PB108612ZHE#06

Tgt Ion: 43 Resp: 648

Ion Ratio Lower Upper

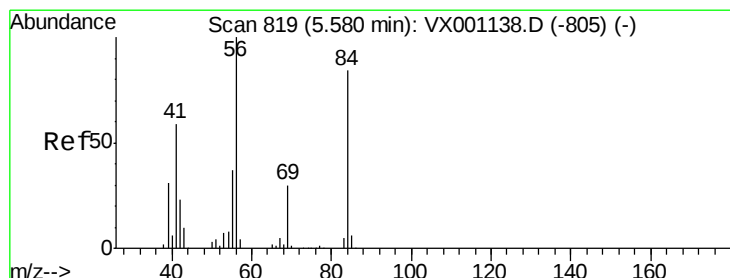
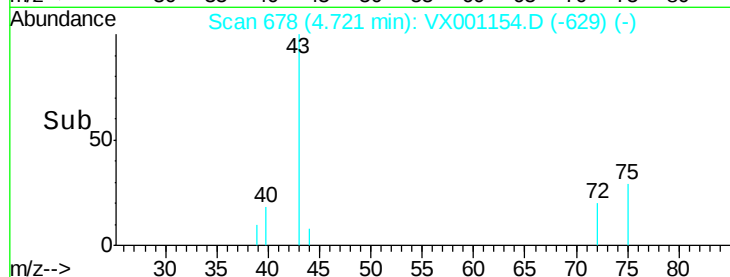
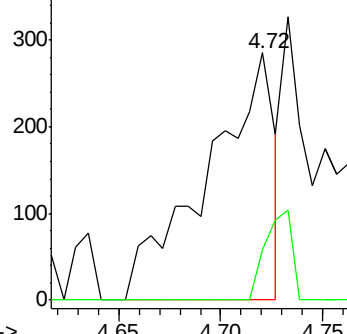
43 100

72 20.4 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 1.12 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX001154.D

Acq: 27 Apr 2018 05:23

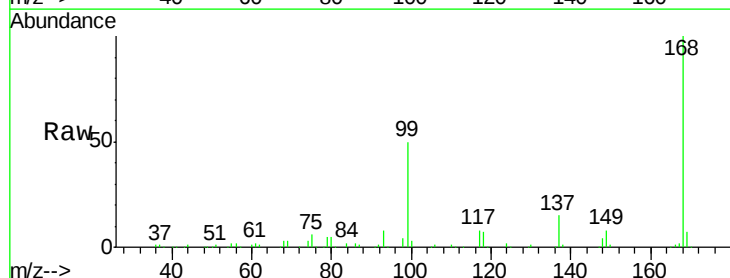
Tgt Ion: 56 Resp: 3843

Ion Ratio Lower Upper

56 100

69 166.3 24.2 36.2#

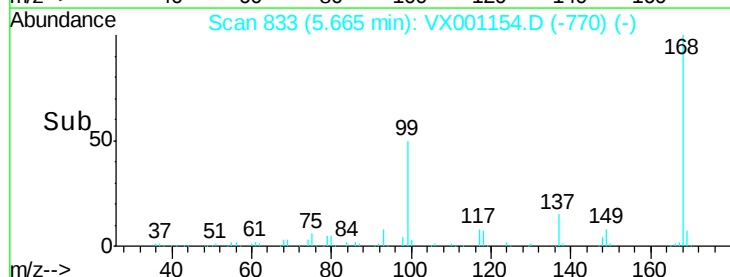
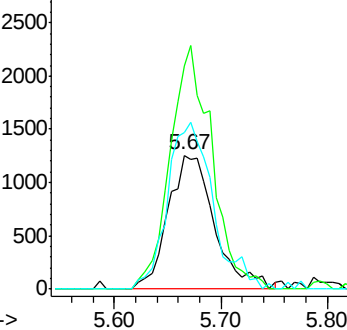
84 117.3 67.5 101.3#

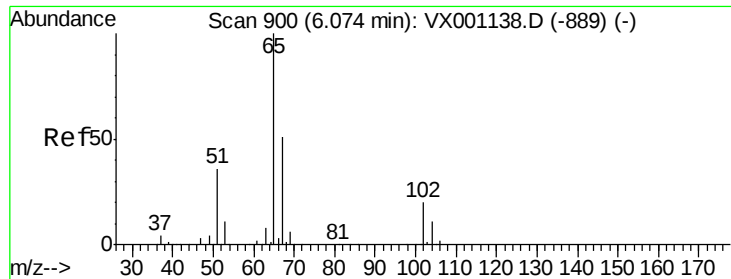


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

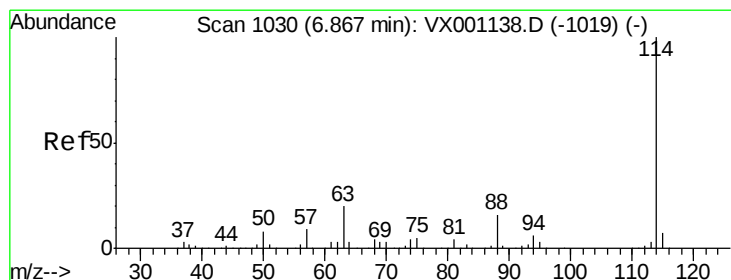
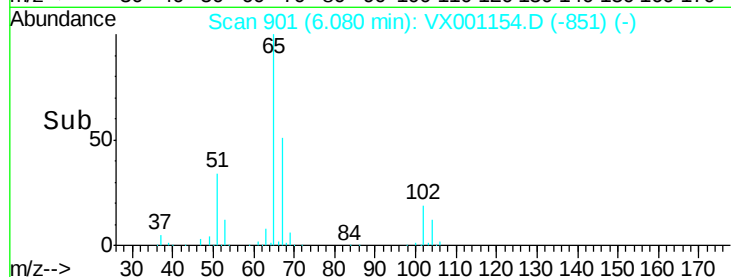
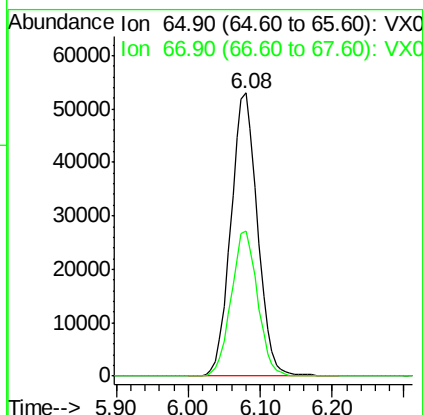
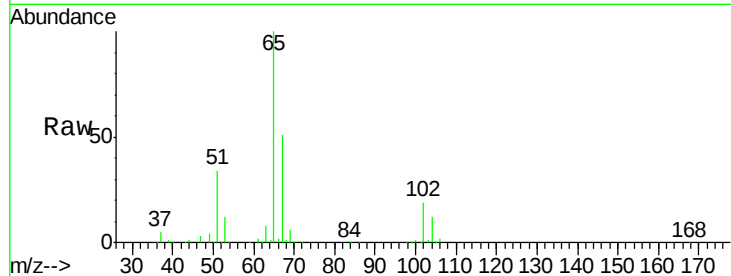




#33
 1,2-Dichloroethane-d4
 Concen: 42.16 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX001154.D
 Acq: 27 Apr 2018 05:23

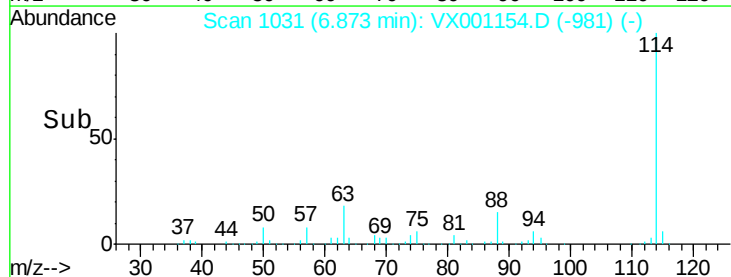
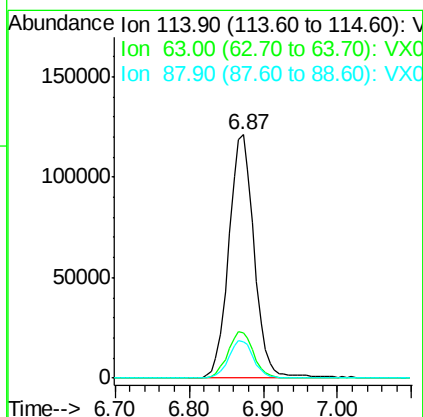
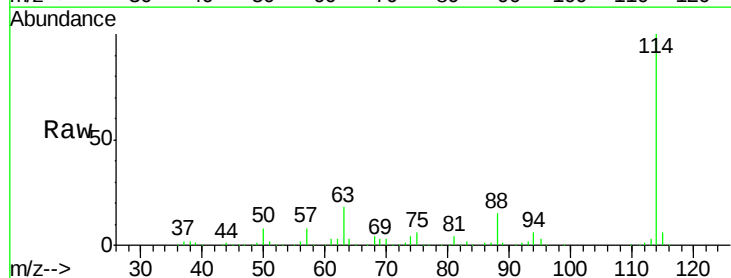
Instrument :
 MSVOA_X
 ClientSampleId :
 PB108612ZHE#06

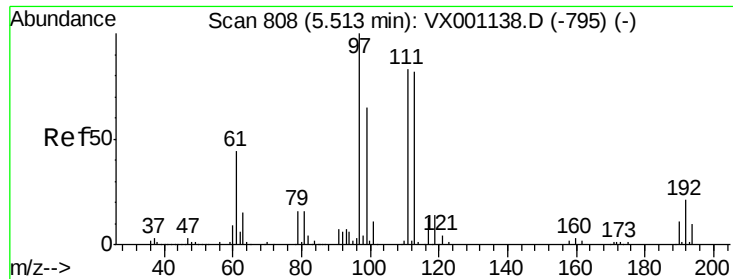
Tgt Ion: 65 Resp: 136074
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001154.D
 Acq: 27 Apr 2018 05:23

Tgt Ion: 114 Resp: 289331
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 40.4
 88 14.8 0.0 31.8

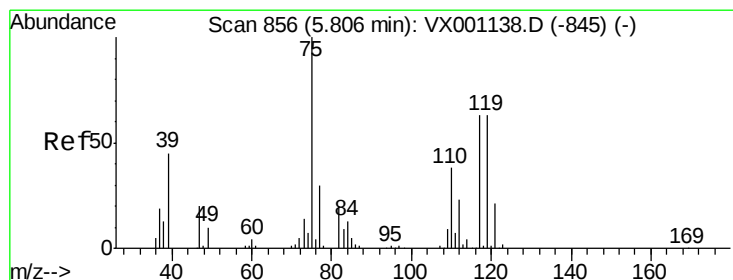
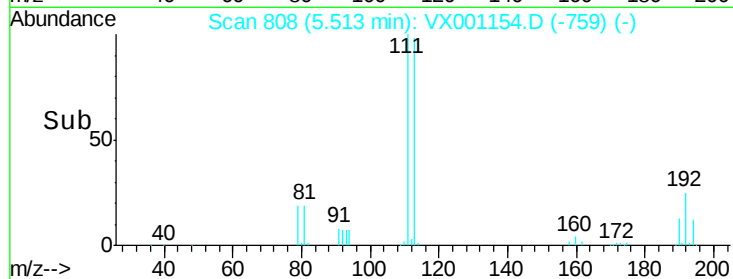
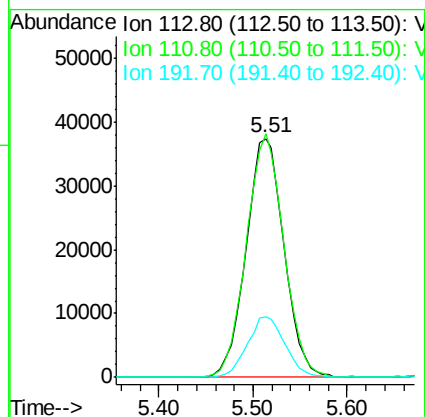
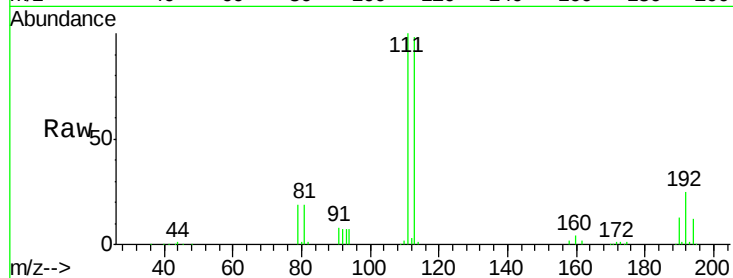




#35
 Dibromofluoromethane
 Concen: 44.15 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX001154.D
 Acq: 27 Apr 2018 05:23

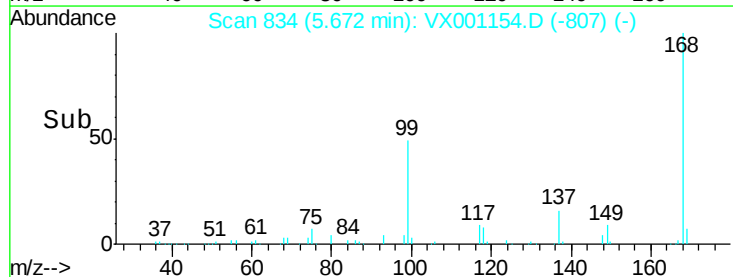
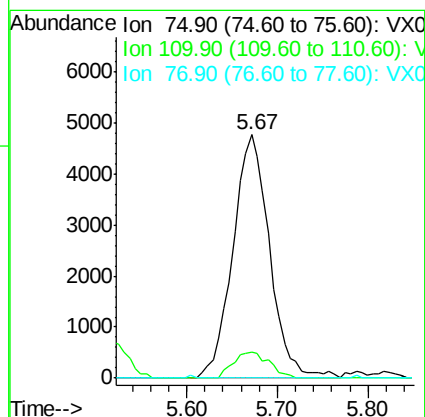
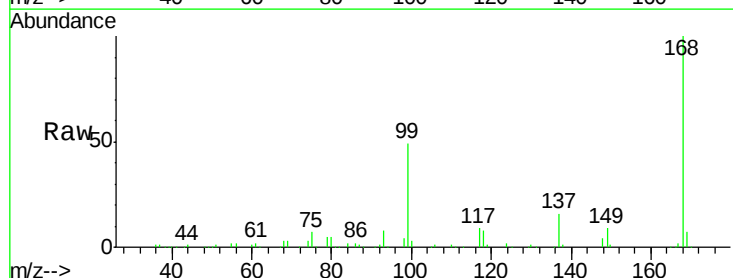
Instrument :
 MSVOA_X
 ClientSampleId :
 PB108612ZHE#06

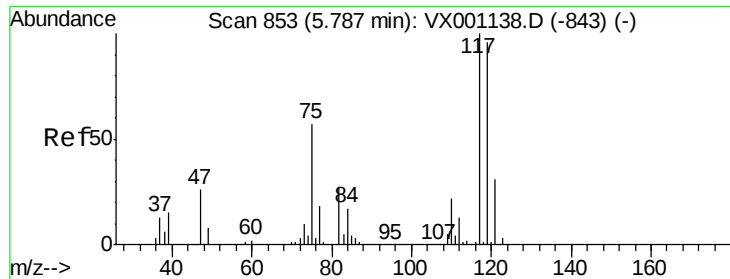
Tgt Ion:113 Resp: 105727
 Ion Ratio Lower Upper
 113 100
 111 100.7 82.2 123.4
 192 25.3 20.6 30.8



#36
 1,1-Dichloropropene
 Concen: 4.20 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001154.D
 Acq: 27 Apr 2018 05:23

Tgt Ion: 75 Resp: 13385
 Ion Ratio Lower Upper
 75 100
 110 10.6 19.0 57.0#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.48 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001154.D

Acq: 27 Apr 2018 05:23

Instrument :

MSVOA_X

ClientSampleId :

PB108612ZHE#06

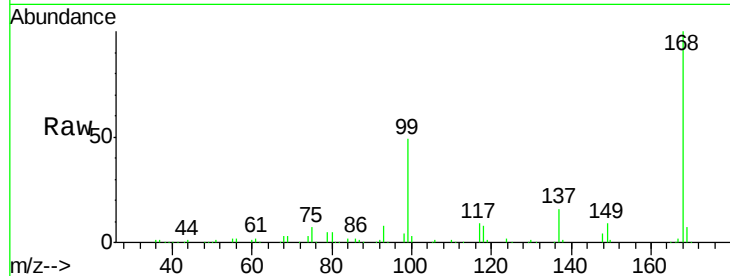
Tgt Ion: 117 Resp: 17916

Ion Ratio Lower Upper

117 100

119 6.8 76.5 114.7#

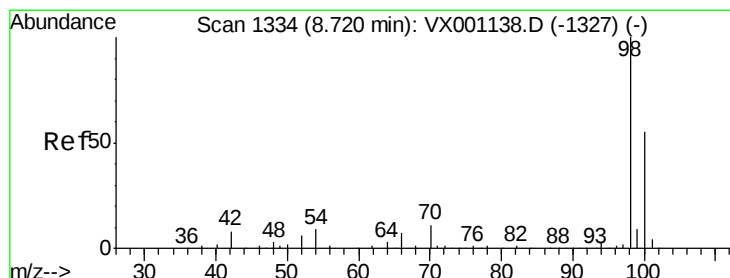
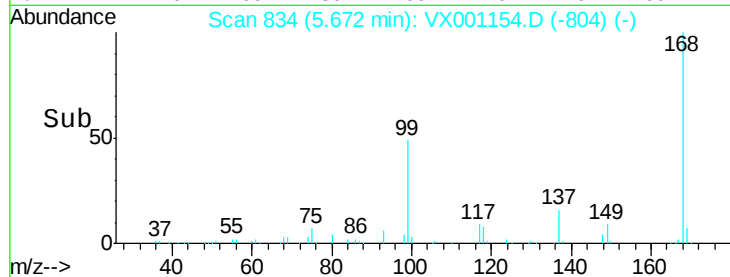
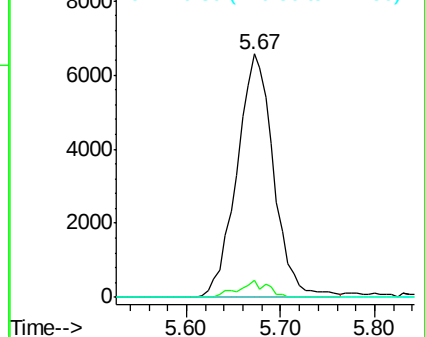
121 0.0 24.6 37.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 44.65 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001154.D

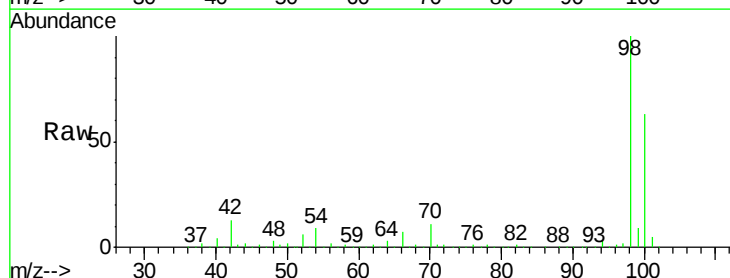
Acq: 27 Apr 2018 05:23

Tgt Ion: 98 Resp: 403533

Ion Ratio Lower Upper

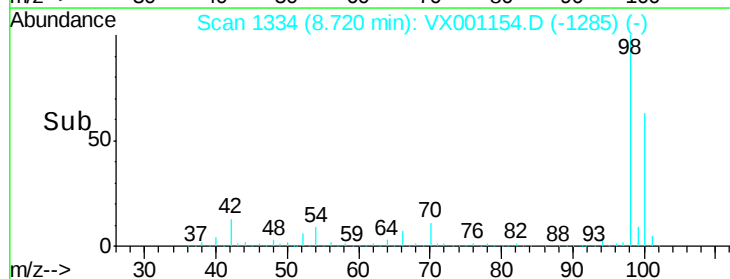
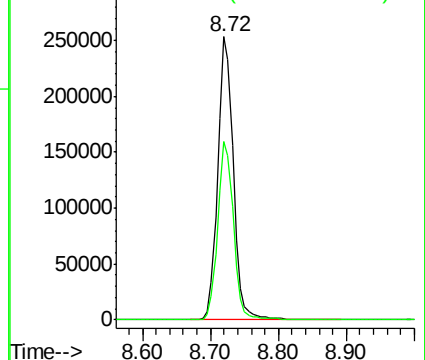
98 100

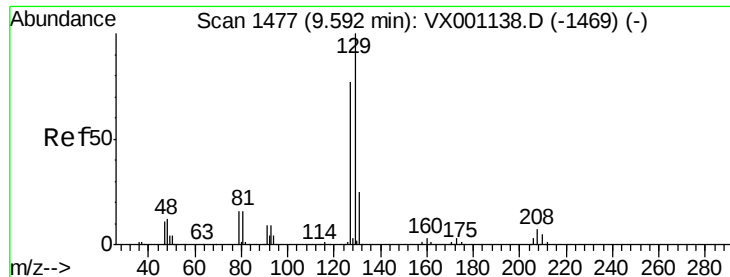
100 63.9 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 3.38 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.25 min

Lab File: VX001154.D

Acq: 27 Apr 2018 05:23

Instrument :

MSVOA_X

ClientSampleId :

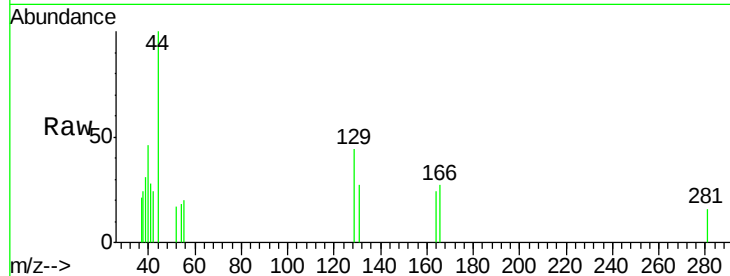
PB108612ZHE#06

Tgt Ion:129 Resp: 121

Ion Ratio Lower Upper

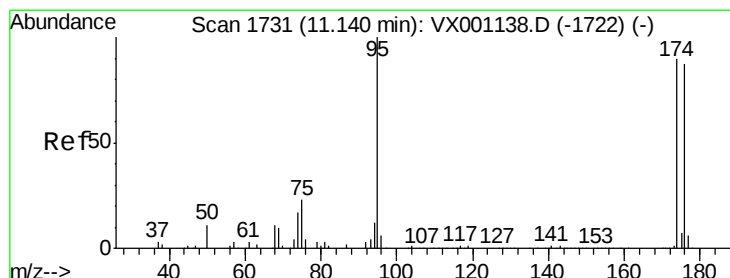
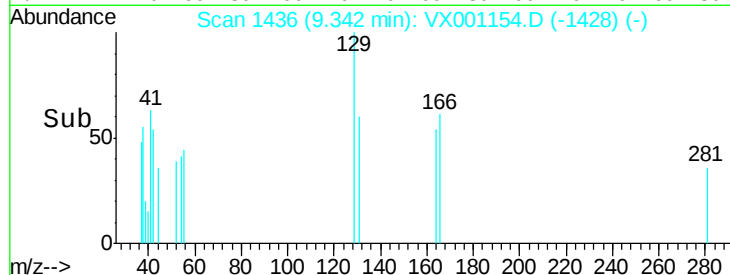
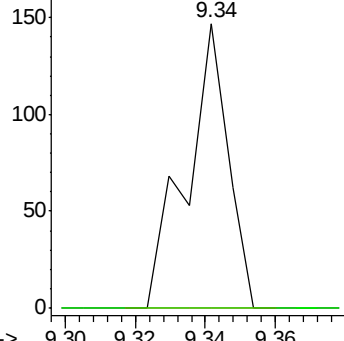
129 100

127 0.0 38.4 115.2#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 39.50 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001154.D

Acq: 27 Apr 2018 05:23

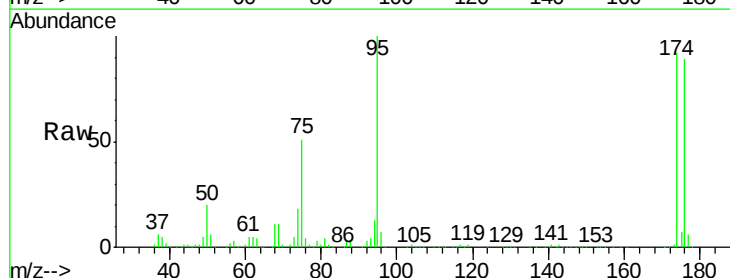
Tgt Ion: 95 Resp: 139471

Ion Ratio Lower Upper

95 100

174 100.7 0.0 194.4

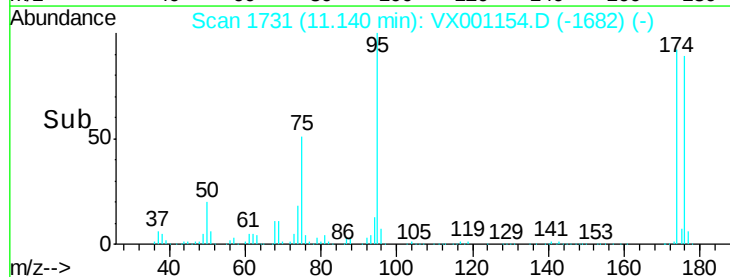
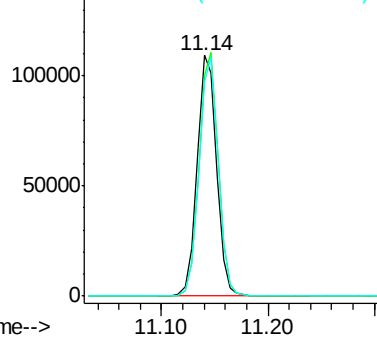
176 98.1 0.0 190.2

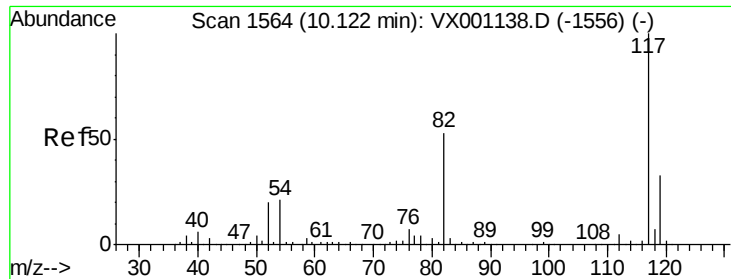


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

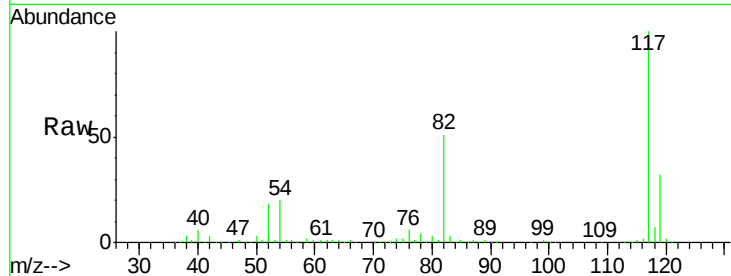




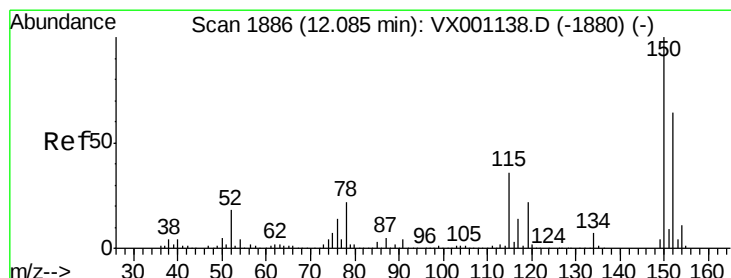
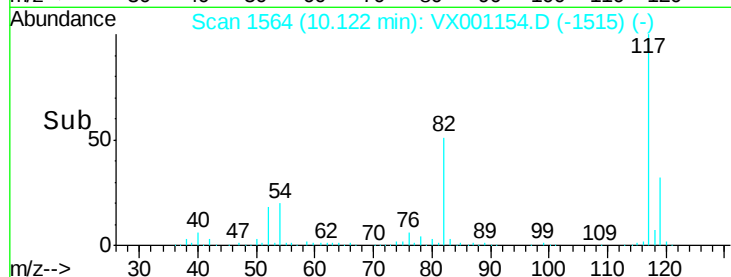
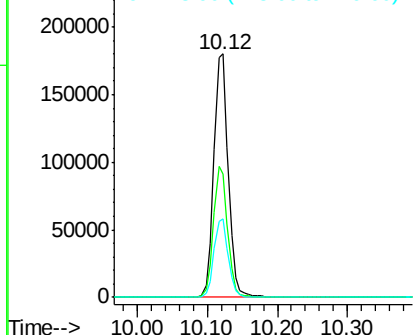
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX001154.D
Acq: 27 Apr 2018 05:23

Instrument :
MSVOA_X
ClientSampleId :
PB108612ZHE#06

Tgt Ion:117 Resp: 257595
Ion Ratio Lower Upper
117 100
82 50.8 42.1 63.1
119 32.4 26.1 39.1

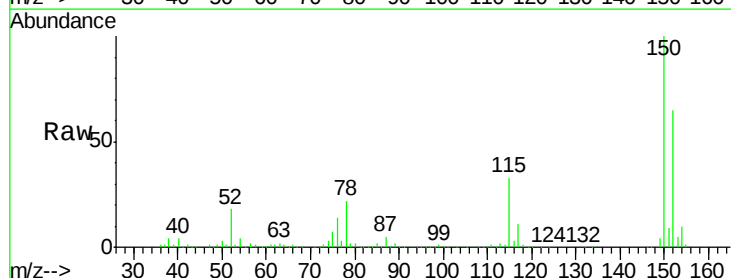


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

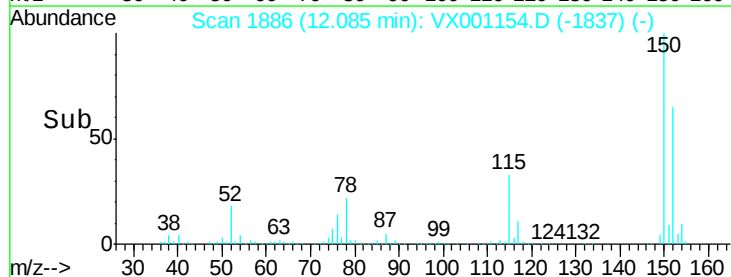
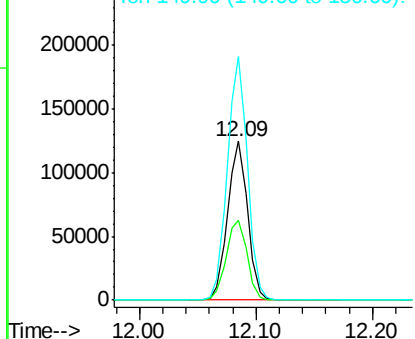


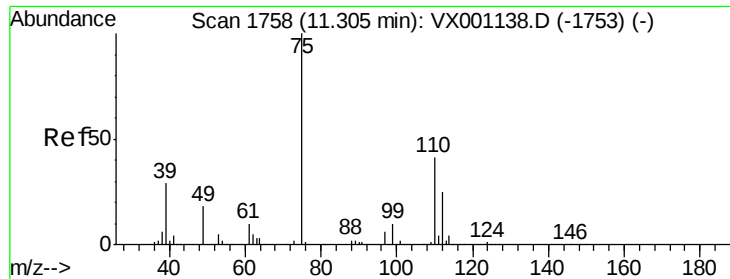
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX001154.D
Acq: 27 Apr 2018 05:23

Tgt Ion:152 Resp: 148364
Ion Ratio Lower Upper
152 100
115 52.7 38.0 114.0
150 154.1 0.0 349.6



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: 23.59 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001154.D

Acq: 27 Apr 2018 05:23

Instrument :

MSVOA_X

ClientSampleId :

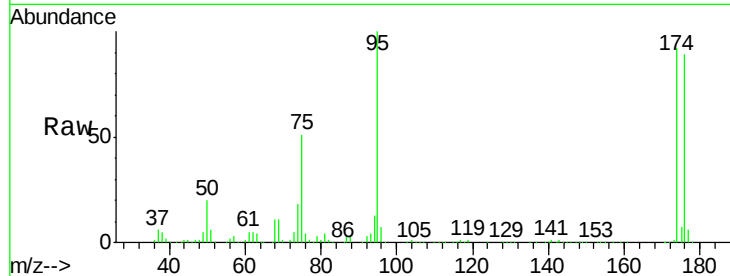
PB108612ZHE#06

Tgt Ion: 75 Resp: 71272

Ion Ratio Lower Upper

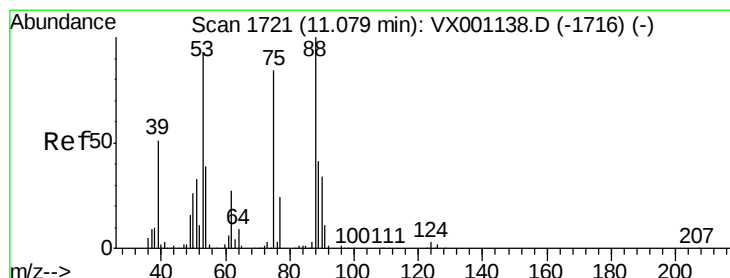
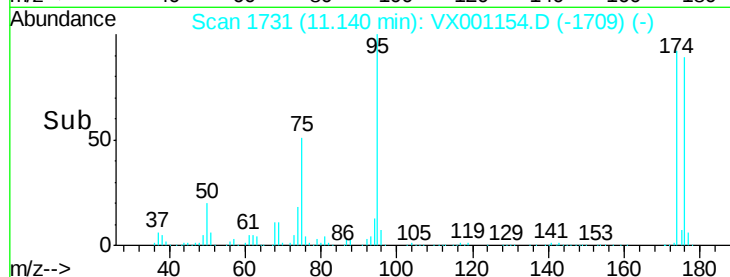
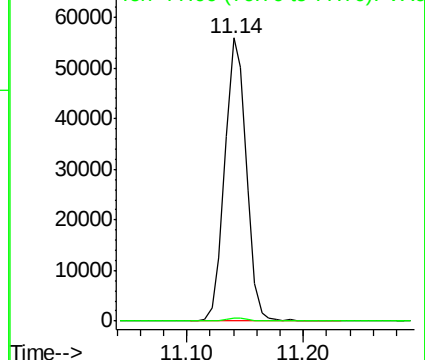
75 100

77 1.3 18.9 56.9#



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: 72.43 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001154.D

Acq: 27 Apr 2018 05:23

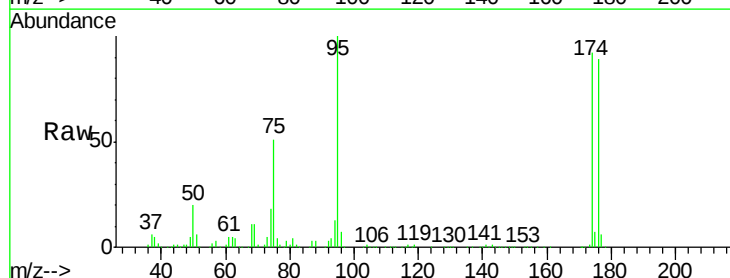
Tgt Ion: 75 Resp: 71272

Ion Ratio Lower Upper

75 100

53 0.0 87.9 131.9#

89 0.0 37.7 56.5#



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

