

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX061020\
 Data File : VX016685.D
 Acq On : 10 Jun 2020 19:10
 Operator : JC/SP
 Sample : L2963-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF014RW131-200608

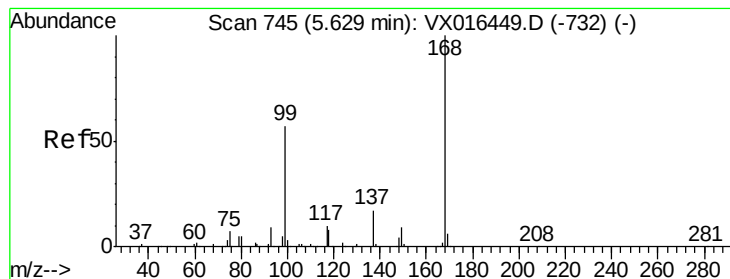
Quant Time: Jun 11 03:04:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	230854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	356201	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	368305	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	186519	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	134871	47.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.08%	
35) Dibromofluoromethane	5.46	113	111857	51.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.00%	
50) Toluene-d8	8.70	98	445333	52.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.34%	
62) 4-Bromofluorobenzene	11.12	95	177226	53.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.39	62	26979	9.29	ug/l	96
10) Methyl Iodide	2.50	142	44	3.07	ug/l #	40
11) Tert butyl alcohol	3.00	59	377	0.51	ug/l #	72
12) 1,1-Dichloroethene	2.36	96	1213	0.55	ug/l #	66
13) Acrolein	2.27	56	207	0.66	ug/l #	5
16) Acetone	2.41	43	2432	1.94	ug/l #	86
18) Methyl Acetate	2.57	43	8684	2.70	ug/l #	51
21) trans-1,2-Dichloroethene	3.14	96	747	0.30	ug/l #	49
27) cis-1,2-Dichloroethene	4.57	96	217352	76.47	ug/l	88
36) 1,1-Dichloropropene	5.63	75	15591	4.62	ug/l #	51
38) Carbon Tetrachloride	5.63	117	21788	6.15	ug/l #	16
44) Trichloroethene	7.19	130	3108	0.98	ug/l	90
65) Chlorobenzene	10.12	112	69493	9.25	ug/l	98
76) 1,2,3-Trichloropropane	11.12	75	85956	20.97	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	85956	51.57	ug/l #	14
91) 1,2-Dichlorobenzene	12.37	146	1392	0.24	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016685.D

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ClientSampleId :

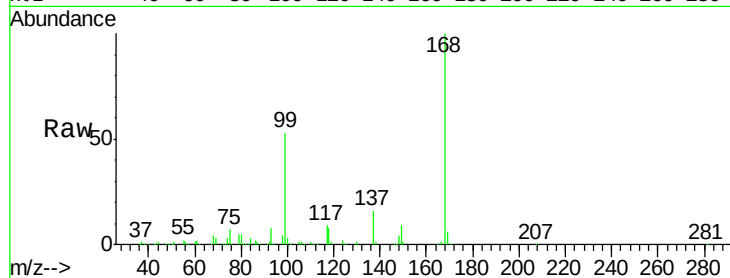
LF014RW131-200608

Tgt Ion:168 Resp: 230854

Ion Ratio Lower Upper

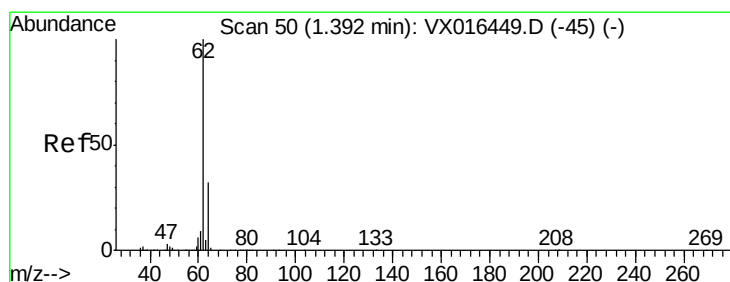
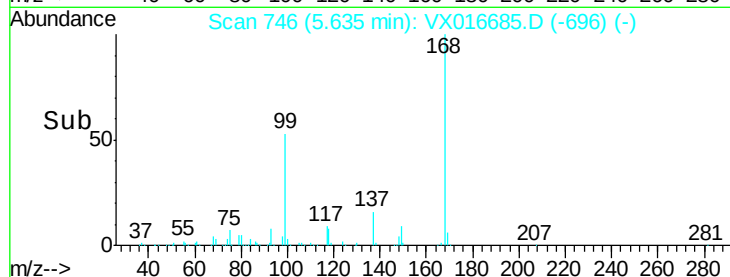
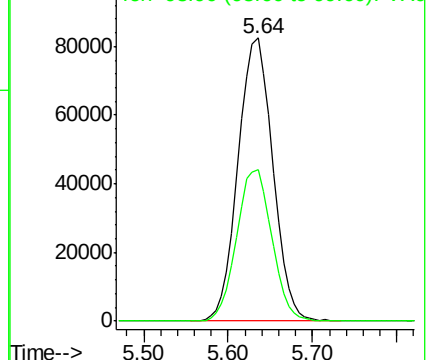
168 100

99 53.3 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 9.29 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016685.D

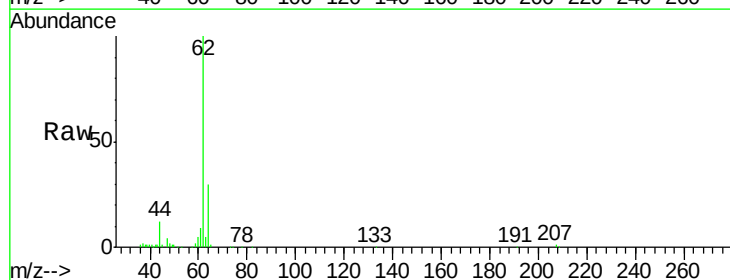
Acq: 10 Jun 2020 19:10

Tgt Ion: 62 Resp: 26979

Ion Ratio Lower Upper

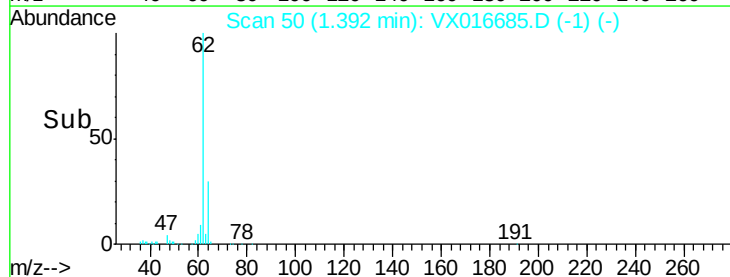
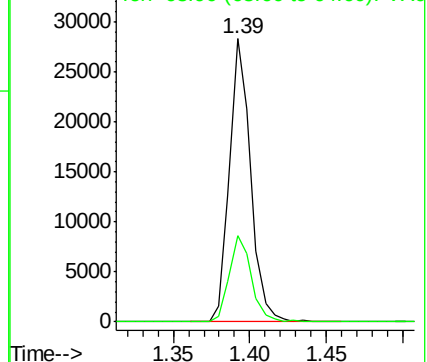
62 100

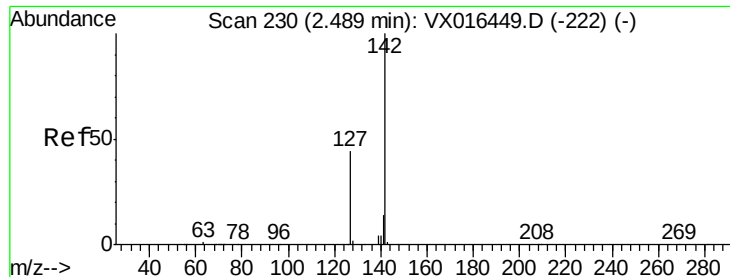
64 30.3 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

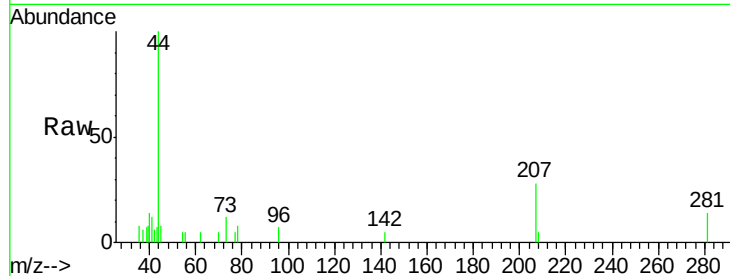




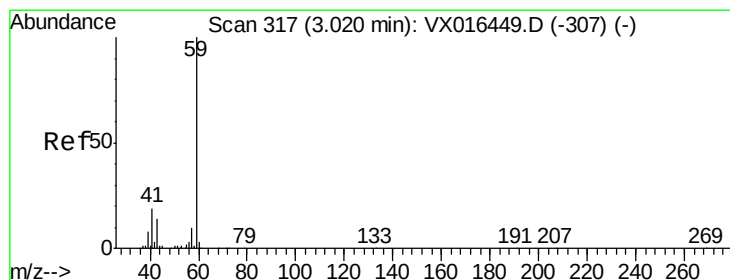
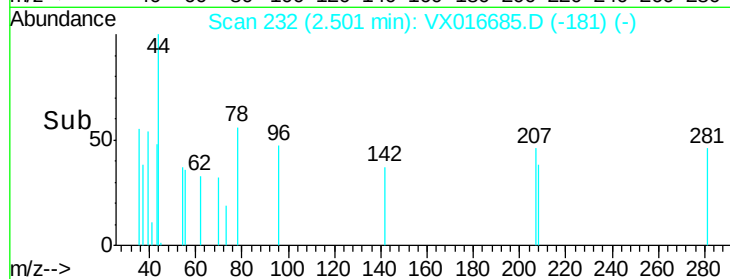
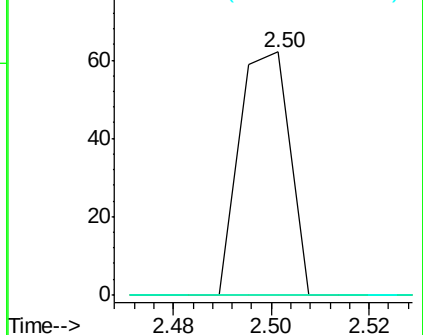
#10
Methyl Iodide
Concen: 3.07 ug/l
RT: 2.50 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX016685.D
Acq: 10 Jun 2020 19:10

Instrument :
MSVOA_X
ClientSampleId :
LF014RW131-200608

Tgt Ion	Ratio	Lower	Upper
142	100		
127	0.0	35.3	52.9#
141	0.0	11.4	17.2#

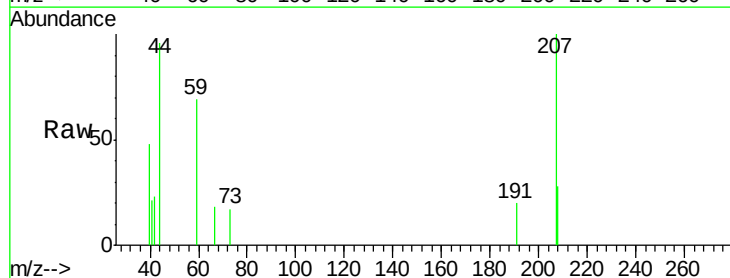


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

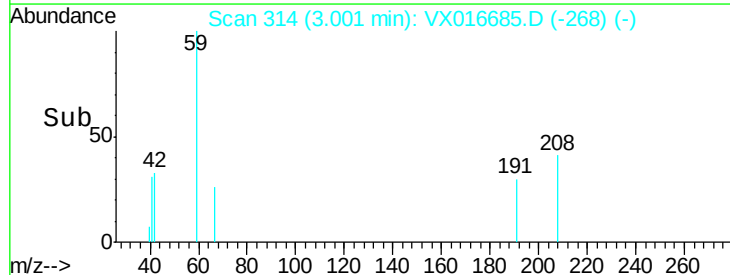
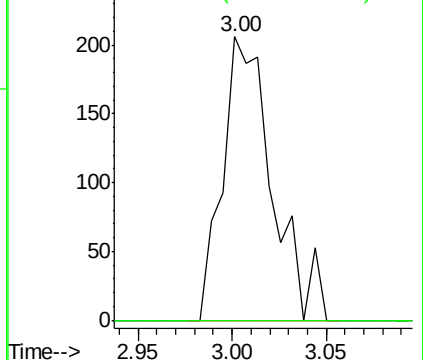


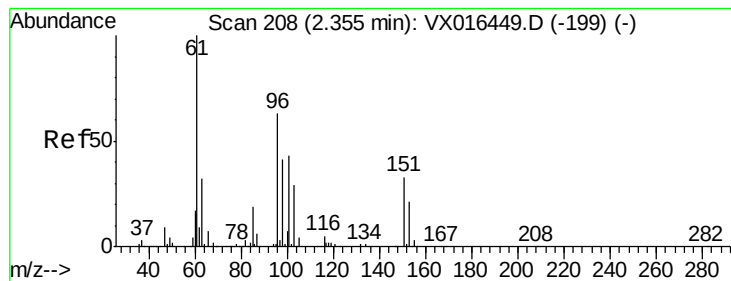
#11
Tert butyl alcohol
Concen: 0.51 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX016685.D
Acq: 10 Jun 2020 19:10

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#12

1,1-Dichloroethene

Concen: 0.55 ug/l

RT: 2.36 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX016685.D

Acq: 10 Jun 2020 19:10

Instrument :

MSVOA_X

ClientSampleId :

LF014RW131-200608

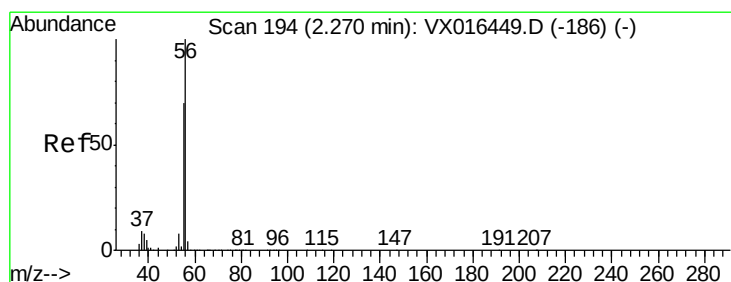
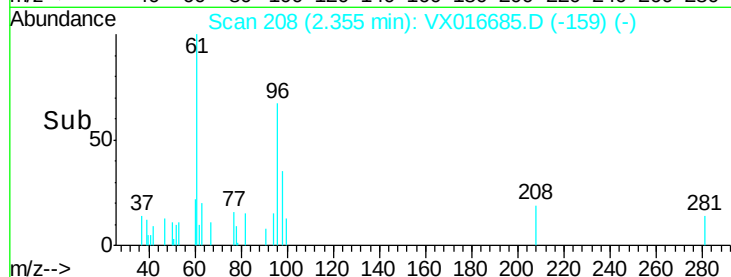
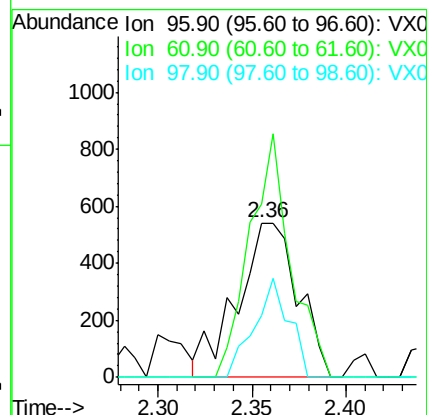
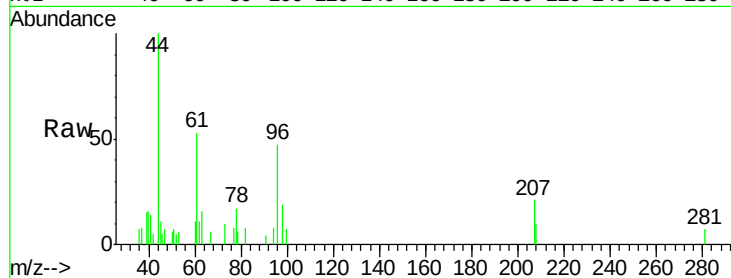
Tgt Ion: 96 Resp: 1213

Ion Ratio Lower Upper

96 100

61 112.4 126.6 189.8#

98 39.7 51.3 76.9#



#13

Acrolein

Concen: 0.66 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016685.D

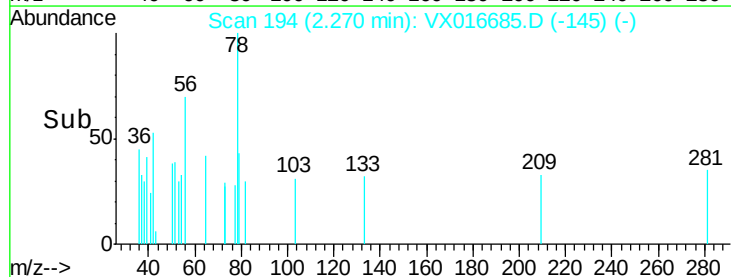
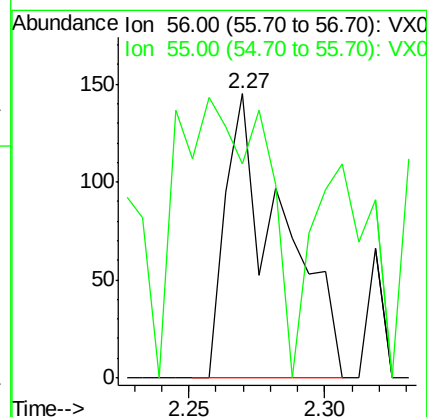
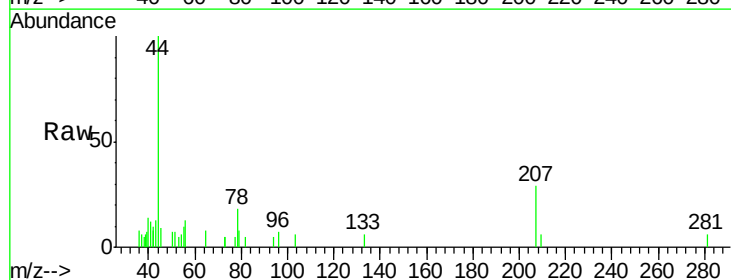
Acq: 10 Jun 2020 19:10

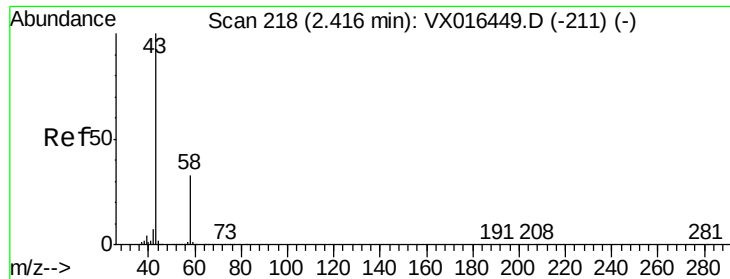
Tgt Ion: 56 Resp: 207

Ion Ratio Lower Upper

56 100

55 152.7 58.3 87.5#





#16

Acetone

Concen: 1.94 ug/l

RT: 2.41 min Scan# 217

Delta R.T. -0.01 min

Lab File: VX016685.D

Acq: 10 Jun 2020 19:10

Instrument :

MSVOA_X

ClientSampleId :

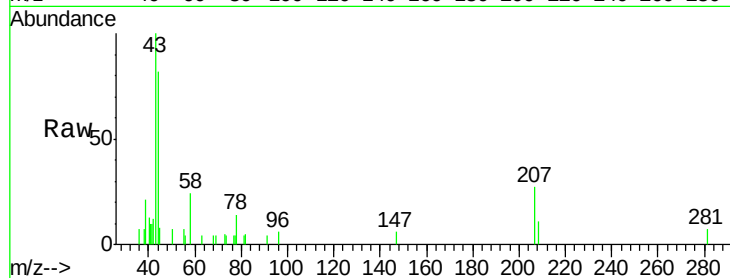
LF014RW131-200608

Tgt Ion: 43 Resp: 2432

Ion Ratio Lower Upper

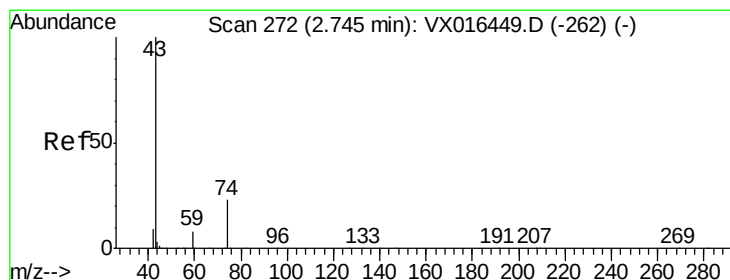
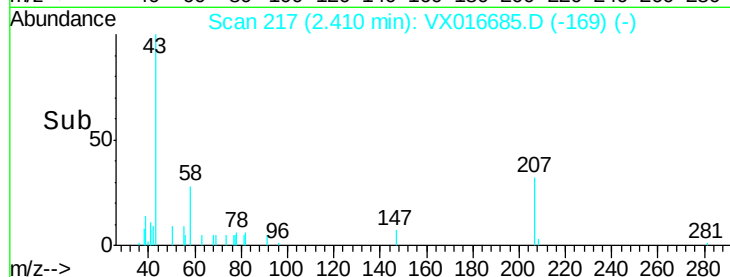
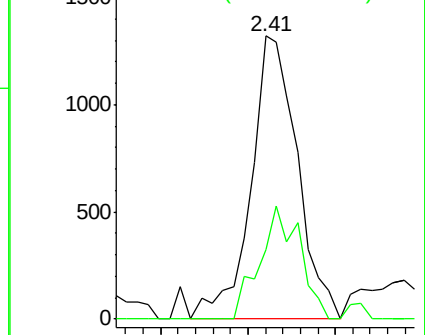
43 100

58 24.5 26.1 39.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 2.70 ug/l

RT: 2.57 min Scan# 243

Delta R.T. -0.18 min

Lab File: VX016685.D

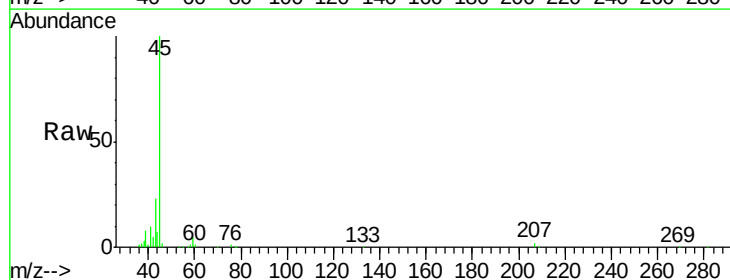
Acq: 10 Jun 2020 19:10

Tgt Ion: 43 Resp: 8684

Ion Ratio Lower Upper

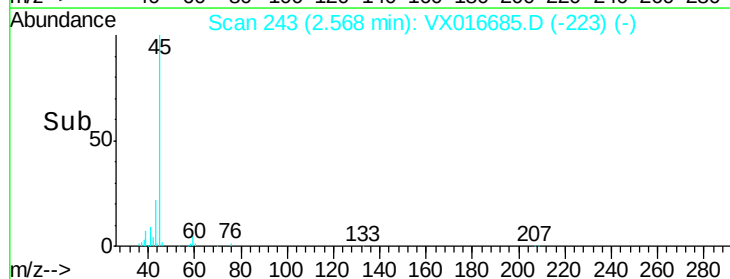
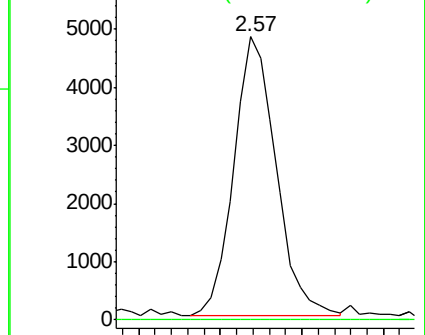
43 100

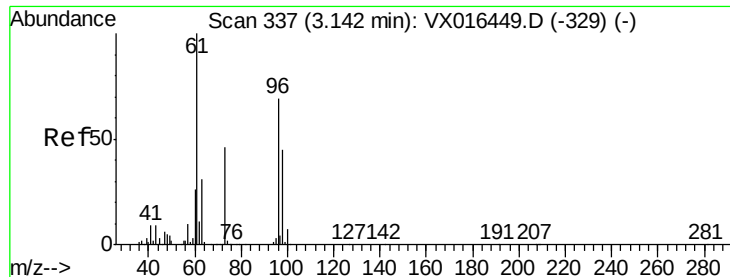
74 0.0 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#21

trans-1,2-Dichloroethene

Concen: 0.30 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016685.D

Acq: 10 Jun 2020 19:10

Instrument :

MSVOA_X

ClientSampleId :

LF014RW131-200608

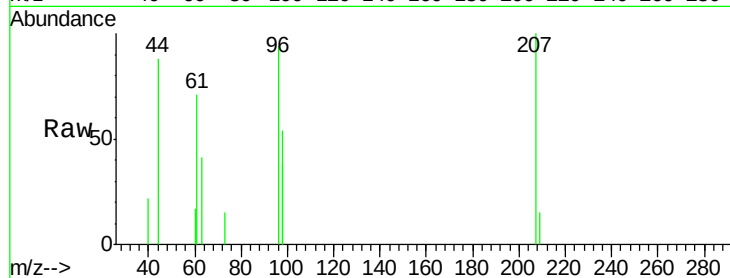
Tgt Ion: 96 Resp: 747

Ion Ratio Lower Upper

96 100

61 75.5 115.3 172.9#

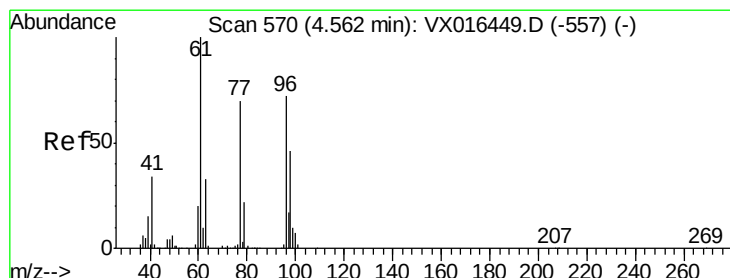
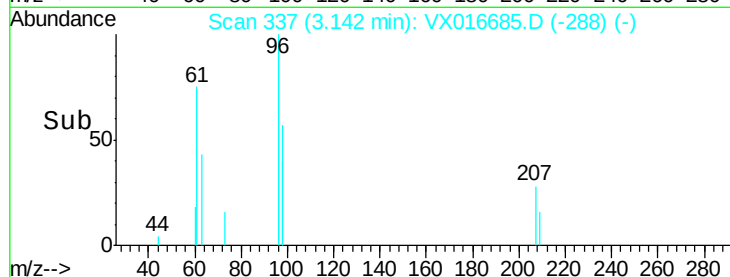
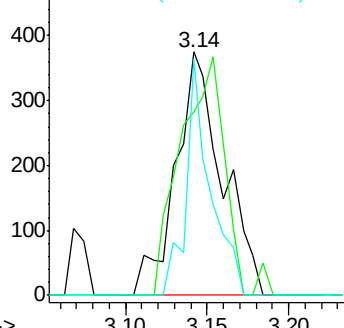
98 96.8 51.9 77.9#



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



#27

cis-1,2-Dichloroethene

Concen: 76.47 ug/l

RT: 4.57 min Scan# 571

Delta R.T. 0.01 min

Lab File: VX016685.D

Acq: 10 Jun 2020 19:10

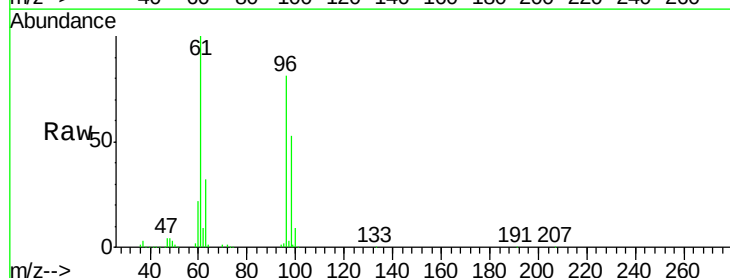
Tgt Ion: 96 Resp: 217352

Ion Ratio Lower Upper

96 100

61 120.8 0.0 284.6

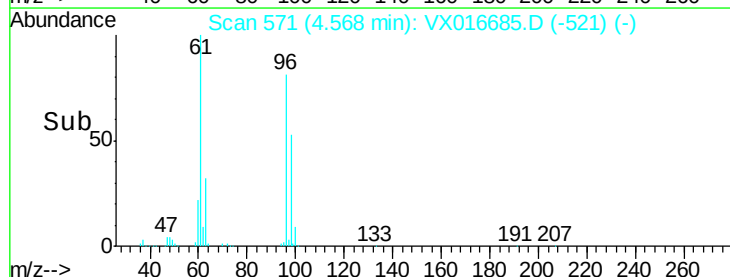
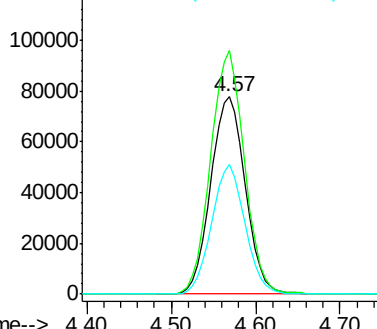
98 63.5 0.0 127.2

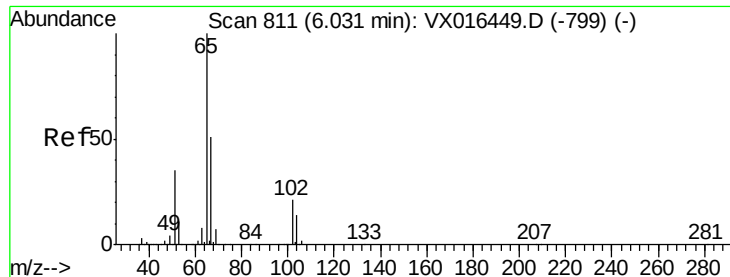


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

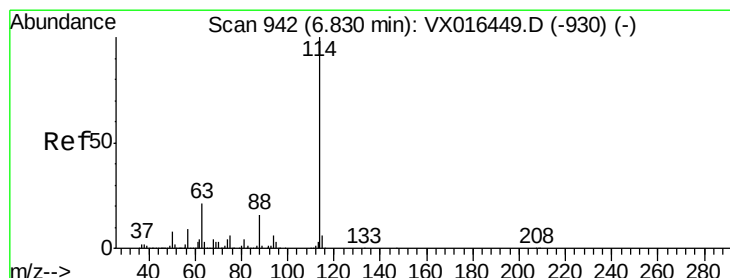
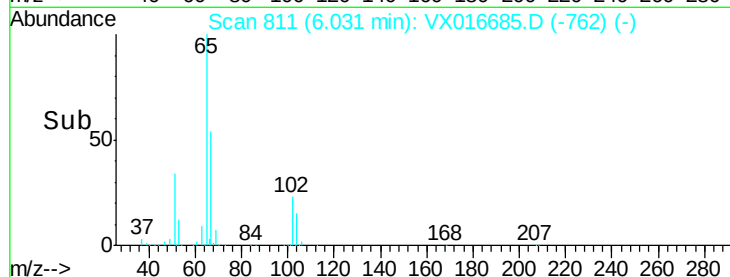
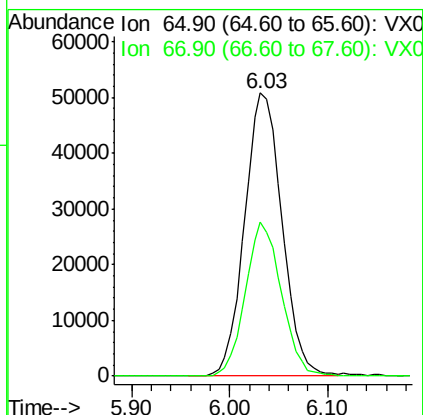
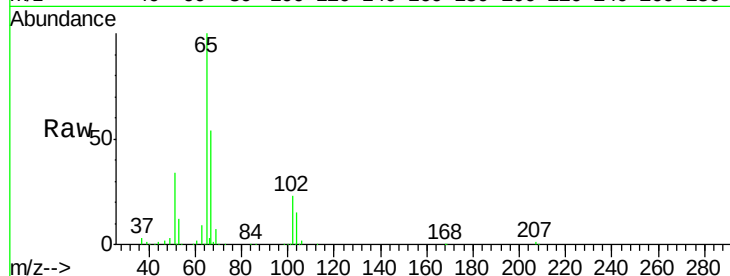




#33
 1,2-Dichloroethane-d4
 Concen: 47.04 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016685.D
 Acq: 10 Jun 2020 19:10

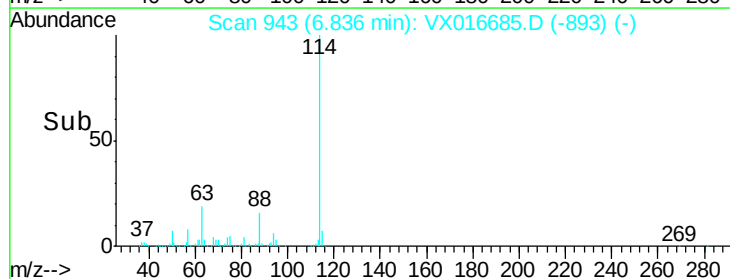
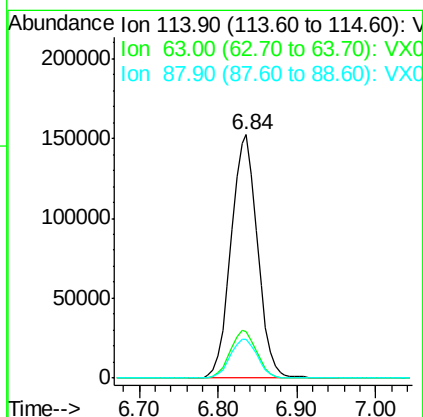
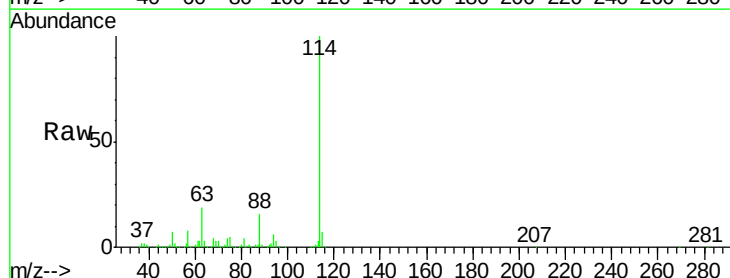
Instrument :
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 LF014RW131-200608

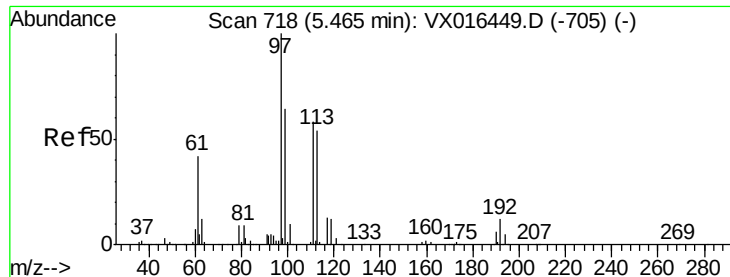
Tgt Ion: 65 Resp: 134871
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX016685.D
 Acq: 10 Jun 2020 19:10

Tgt Ion: 114 Resp: 356201
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 42.6
 88 16.0 0.0 32.8

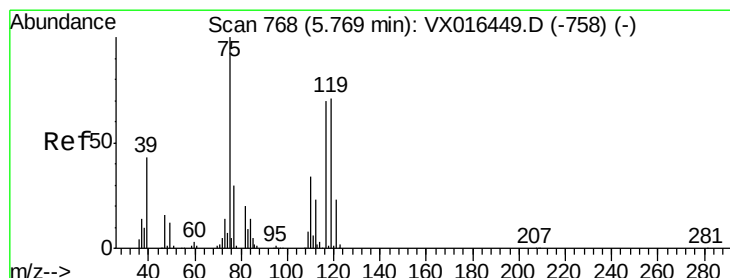
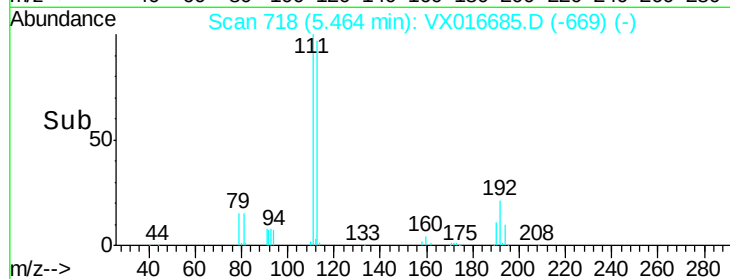
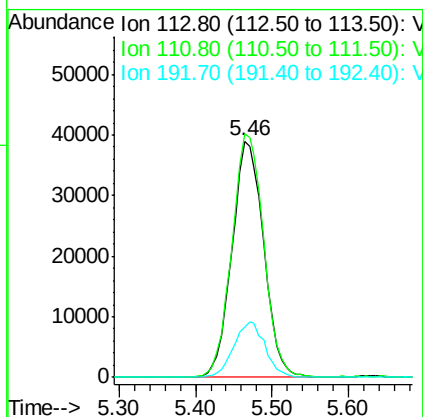
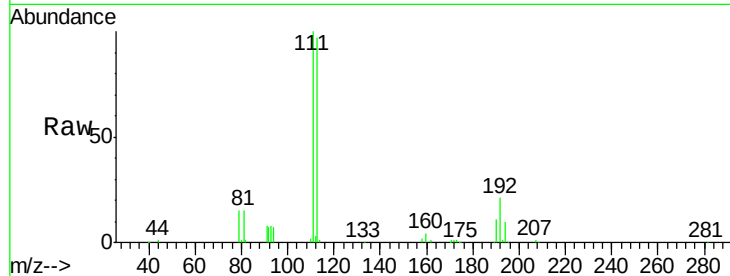




#35
Dibromofluoromethane
Concen: 51.00 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX016685.D
Acq: 10 Jun 2020 19:10

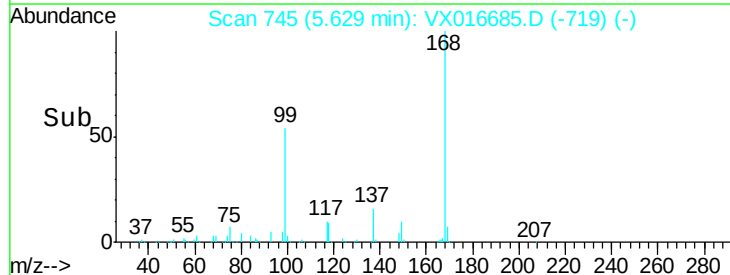
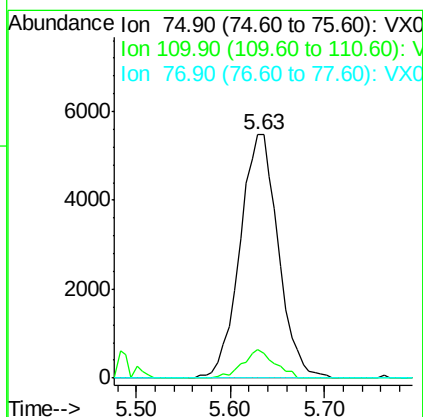
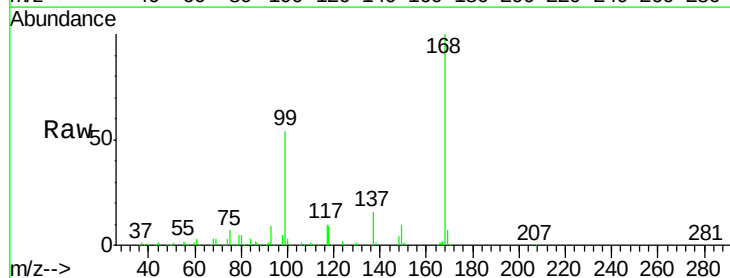
Instrument :
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LF014RW131-200608

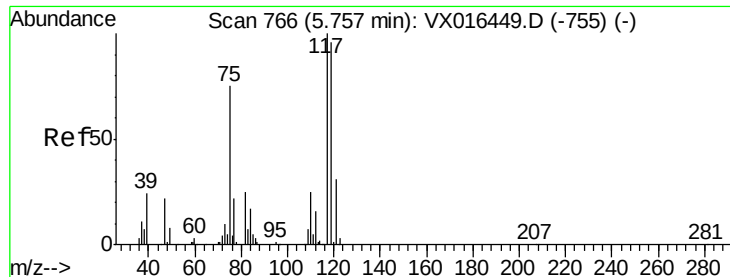
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	83.0	124.6
192	23.2	17.7	26.5



#36
1,1-Dichloropropene
Concen: 4.62 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.14 min
Lab File: VX016685.D
Acq: 10 Jun 2020 19:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	17.4	52.3#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 6.15 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016685.D

Acq: 10 Jun 2020 19:10

Instrument :

MSVOA_X

ClientSampleId :

LF014RW131-200608

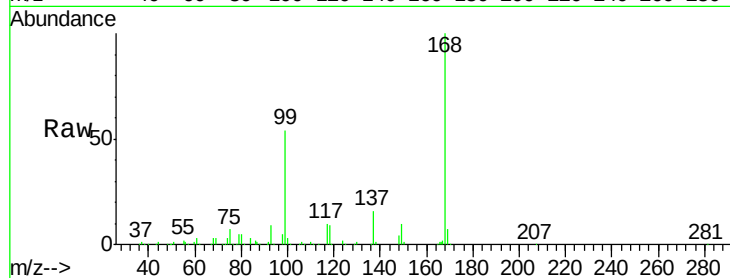
Tgt Ion:117 Resp: 21788

Ion Ratio Lower Upper

117 100

119 4.4 76.3 114.5#

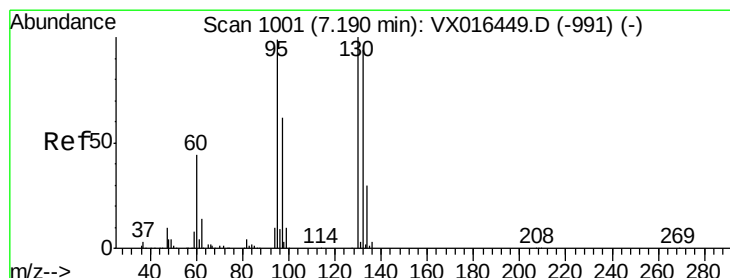
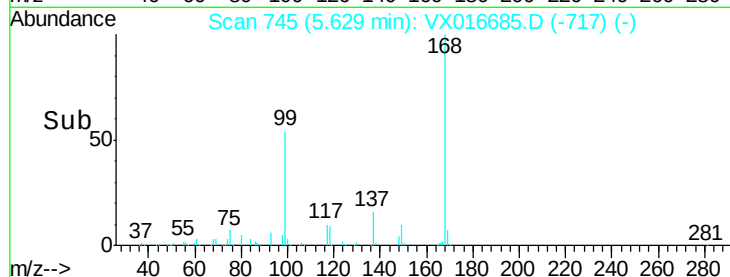
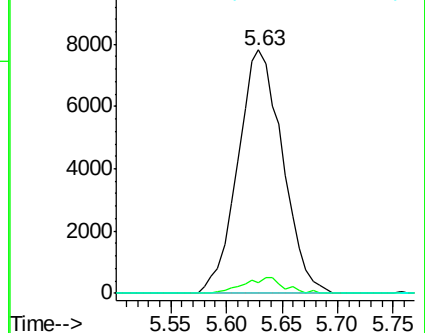
121 0.0 24.6 37.0#



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



#44

Trichloroethene

Concen: 0.98 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016685.D

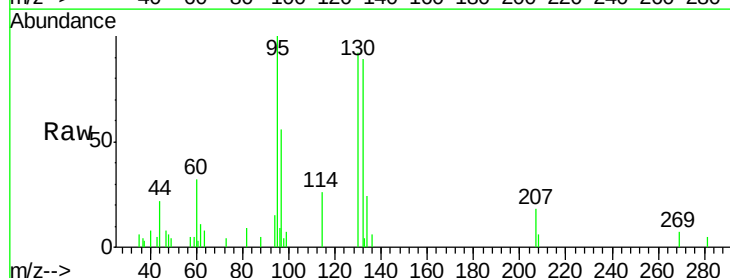
Acq: 10 Jun 2020 19:10

Tgt Ion:130 Resp: 3108

Ion Ratio Lower Upper

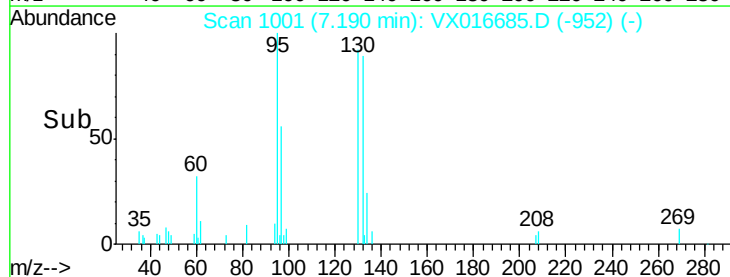
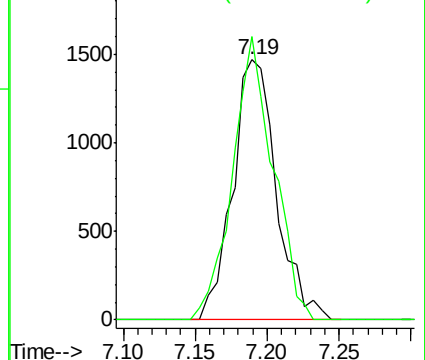
130 100

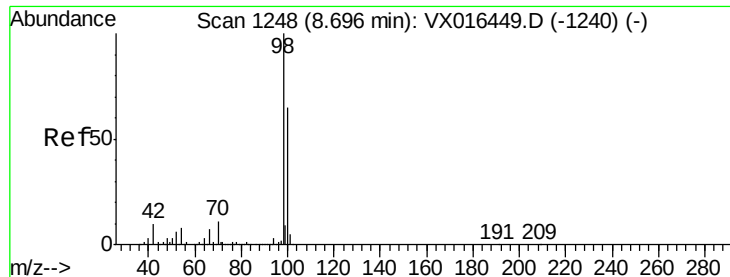
95 108.8 0.0 198.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

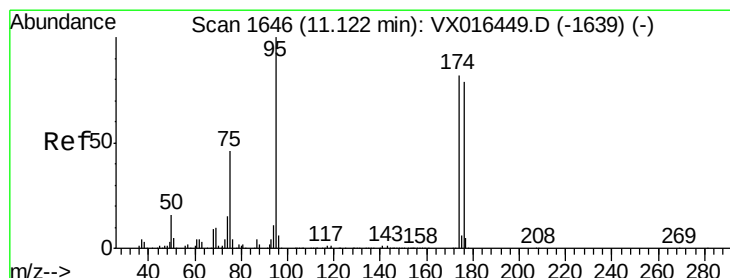
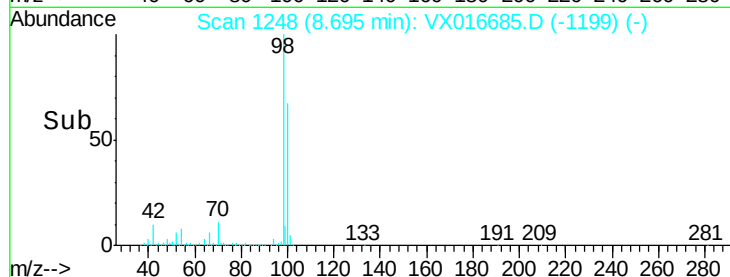
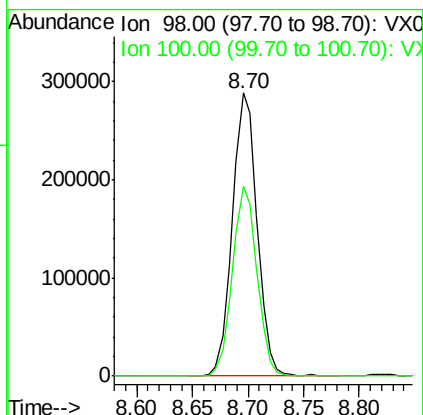
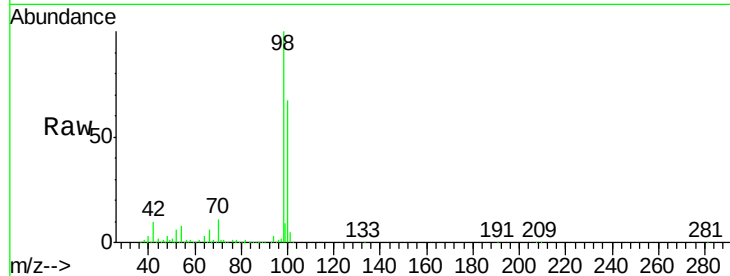




#50
Toluene-d8
Concen: 52.17 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016685.D
Acq: 10 Jun 2020 19:10

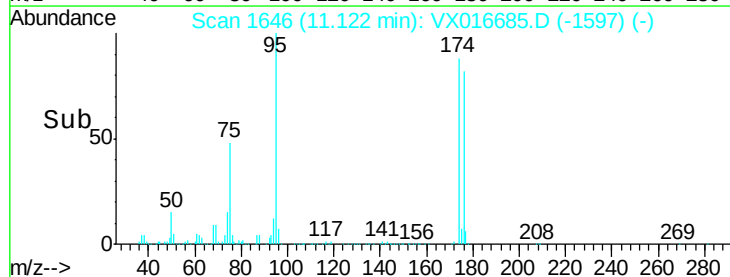
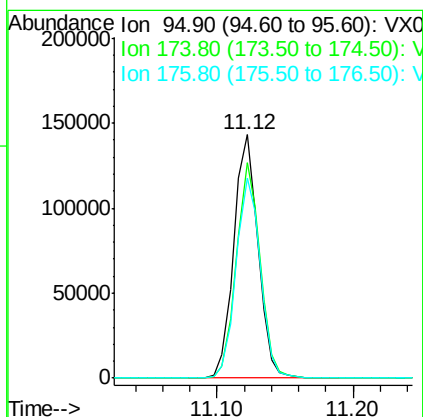
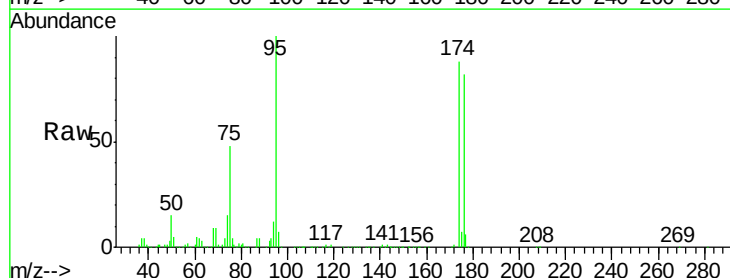
Instrument :
MSVOA_X
ClientSampleId :
LF014RW131-200608

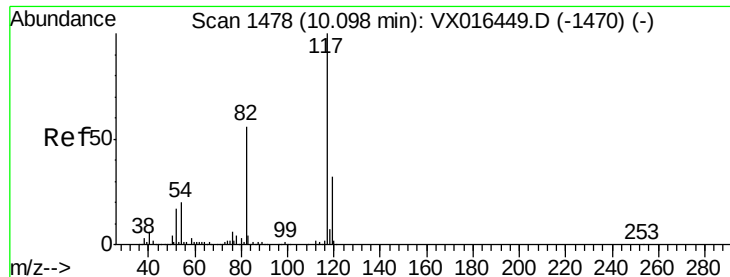
Tgt Ion: 98 Resp: 445333
Ion Ratio Lower Upper
98 100
100 66.7 53.8 80.6



#62
4-Bromofluorobenzene
Concen: 53.73 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016685.D
Acq: 10 Jun 2020 19:10

Tgt Ion: 95 Resp: 177226
Ion Ratio Lower Upper
95 100
174 87.0 0.0 163.0
176 83.0 0.0 156.8

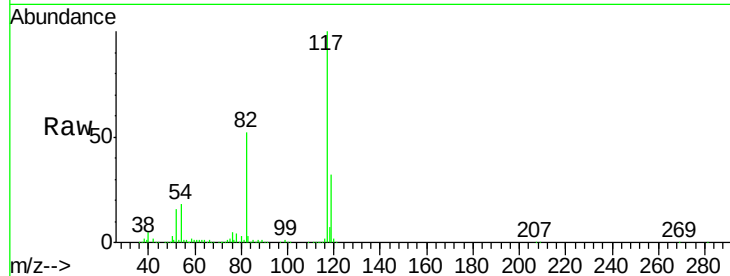




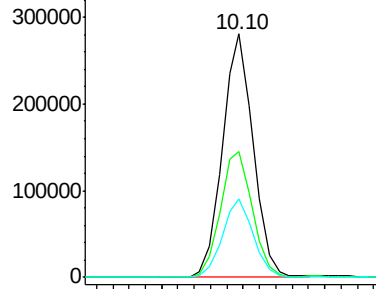
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016685.D
Acq: 10 Jun 2020 19:10

Instrument :
MSVOA_X
ClientSampleId :
LF014RW131-200608

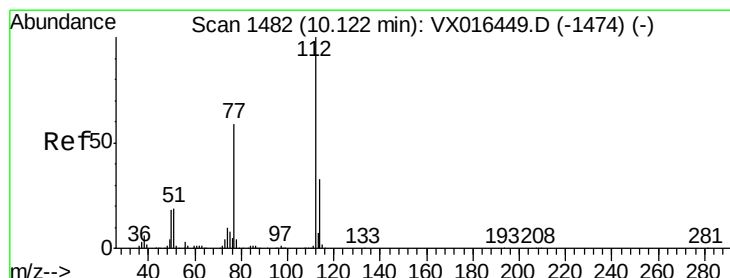
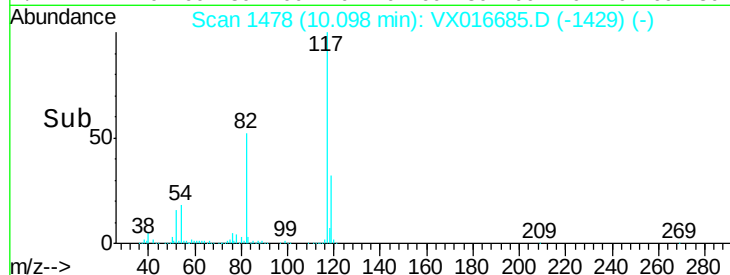
Tgt Ion:117 Resp: 368305
Ion Ratio Lower Upper
117 100
82 51.9 45.0 67.6
119 32.1 25.8 38.8



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

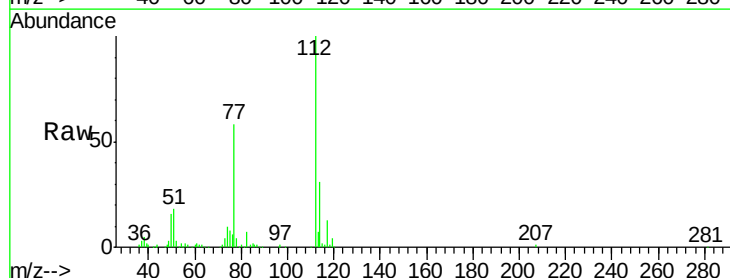


Time-->

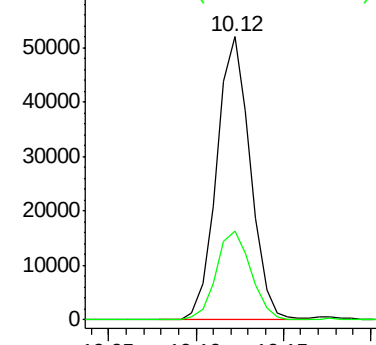


#65
Chlorobenzene
Concen: 9.25 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016685.D
Acq: 10 Jun 2020 19:10

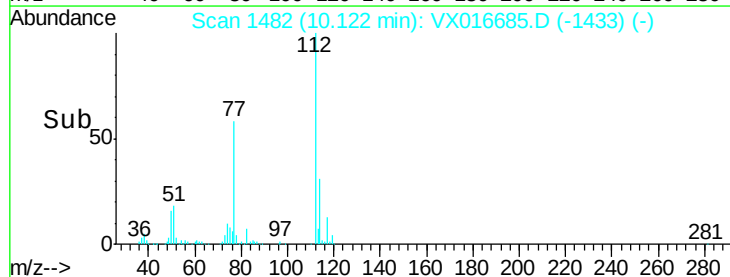
Tgt Ion:112 Resp: 69493
Ion Ratio Lower Upper
112 100
114 31.2 26.0 39.0

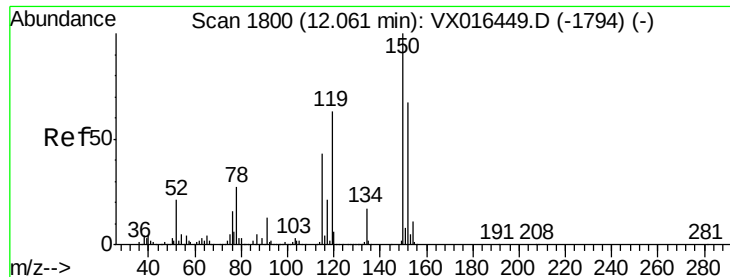


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V



Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016685.D

Acq: 10 Jun 2020 19:10

Instrument :

MSVOA_X

ClientSampleId :

LF014RW131-200608

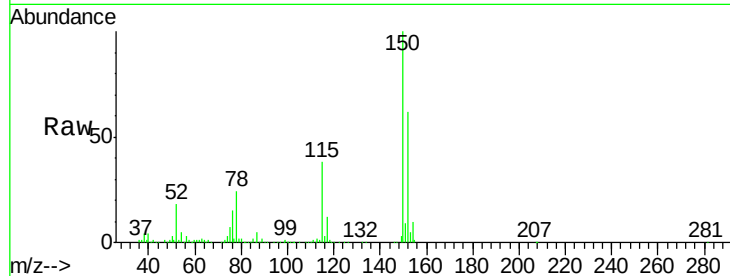
Tgt Ion: 152 Resp: 186519

Ion Ratio Lower Upper

152 100

115 58.7 39.9 119.6

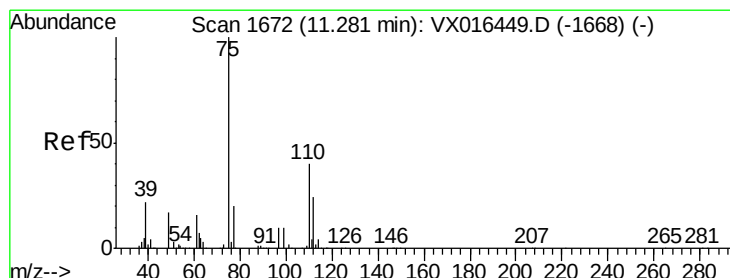
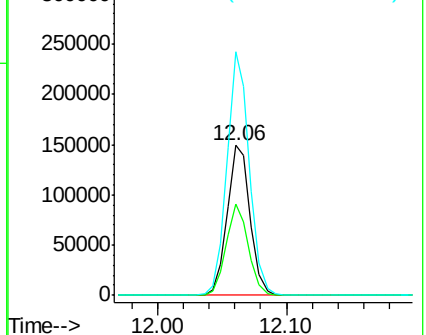
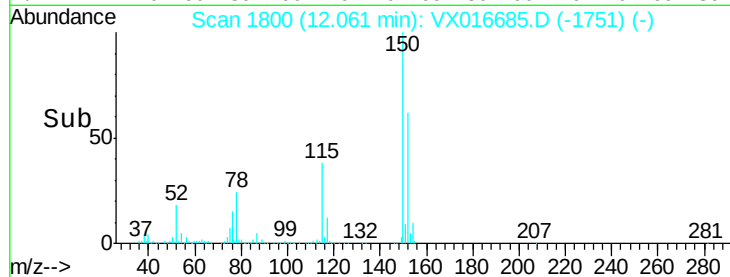
150 157.3 0.0 341.0



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: 20.97 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016685.D

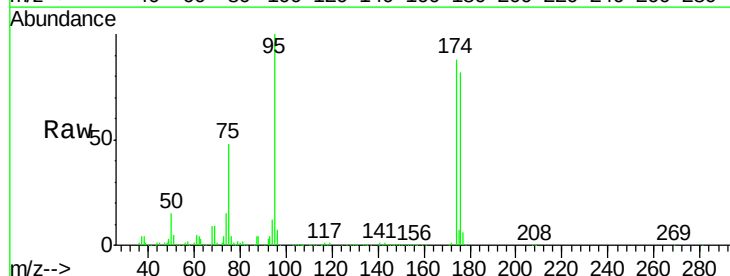
Acq: 10 Jun 2020 19:10

Tgt Ion: 75 Resp: 85956

Ion Ratio Lower Upper

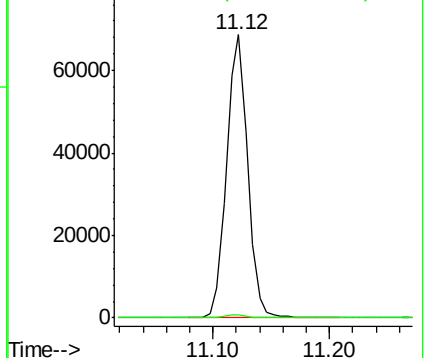
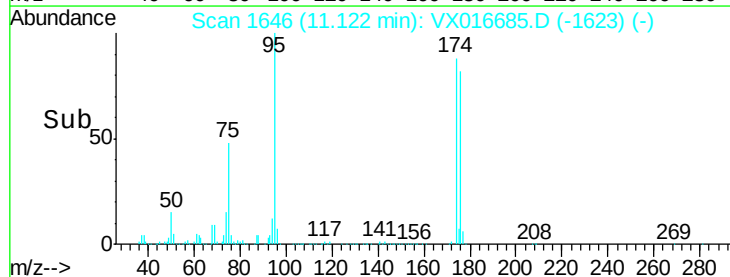
75 100

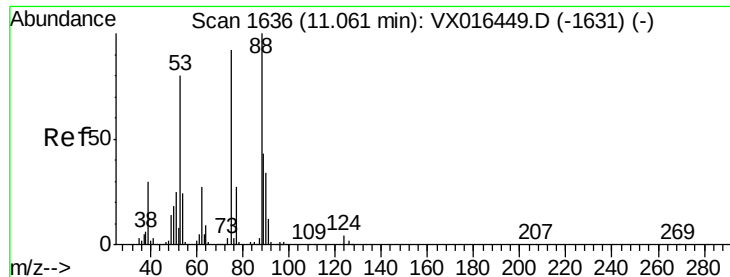
77 1.3 21.3 63.7#



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: 51.57 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016685.D

Acq: 10 Jun 2020 19:10

Instrument :

MSVOA_X

ClientSampleId :

LF014RW131-200608

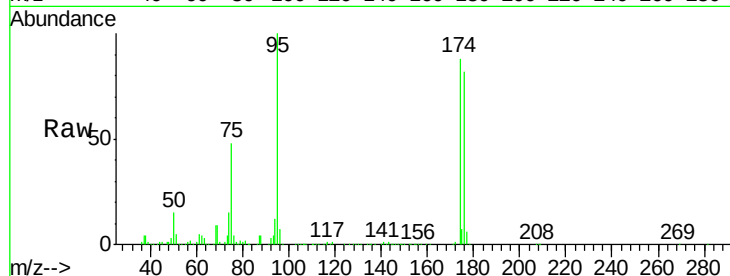
Tgt Ion: 75 Resp: 85956

Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

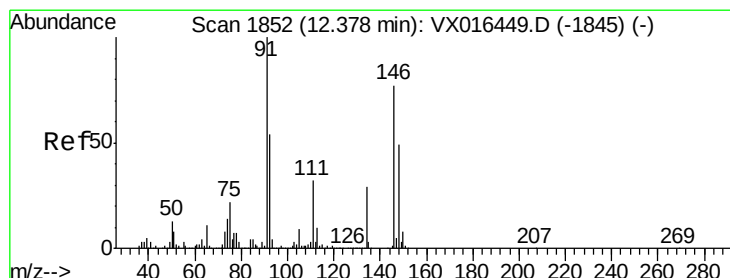
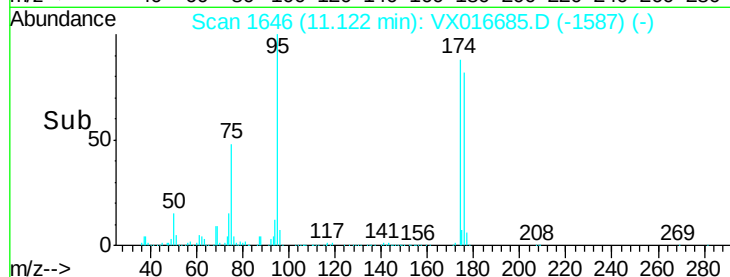
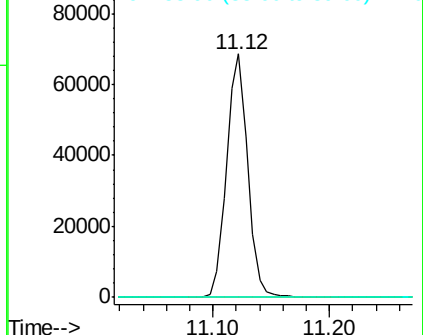
89 0.0 36.6 55.0#



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



#91

1,2-Dichlorobenzene

Concen: 0.24 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. -0.01 min

Lab File: VX016685.D

Acq: 10 Jun 2020 19:10

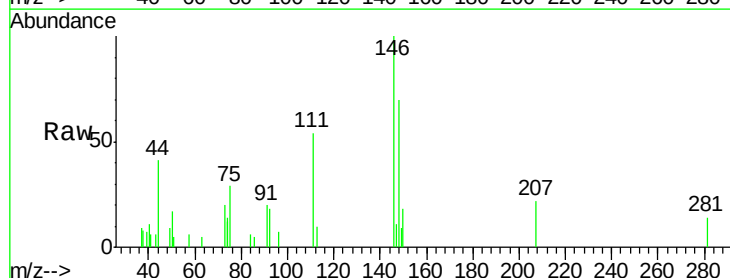
Tgt Ion: 146 Resp: 1392

Ion Ratio Lower Upper

146 100

111 47.7 21.4 64.3

148 66.0 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

