

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012619\
 Data File : VX007251.D
 Acq On : 26 Jan 2019 01:08
 Operator : JC/SP
 Sample : K1238-20
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S2

Quant Time: Jan 28 02:24:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	526512	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	820012	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	789211	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	374675	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	285689	51.92	ug/l	0.00
Spiked Amount			Recovery	=	103.84%	
35) Dibromofluoromethane	5.51	113	252725	48.13	ug/l	0.00
Spiked Amount			Recovery	=	96.26%	
50) Toluene-d8	8.71	98	1004983	52.28	ug/l	0.00
Spiked Amount			Recovery	=	104.56%	
62) 4-Bromofluorobenzene	11.13	95	347786	51.90	ug/l	0.00
Spiked Amount			Recovery	=	103.80%	

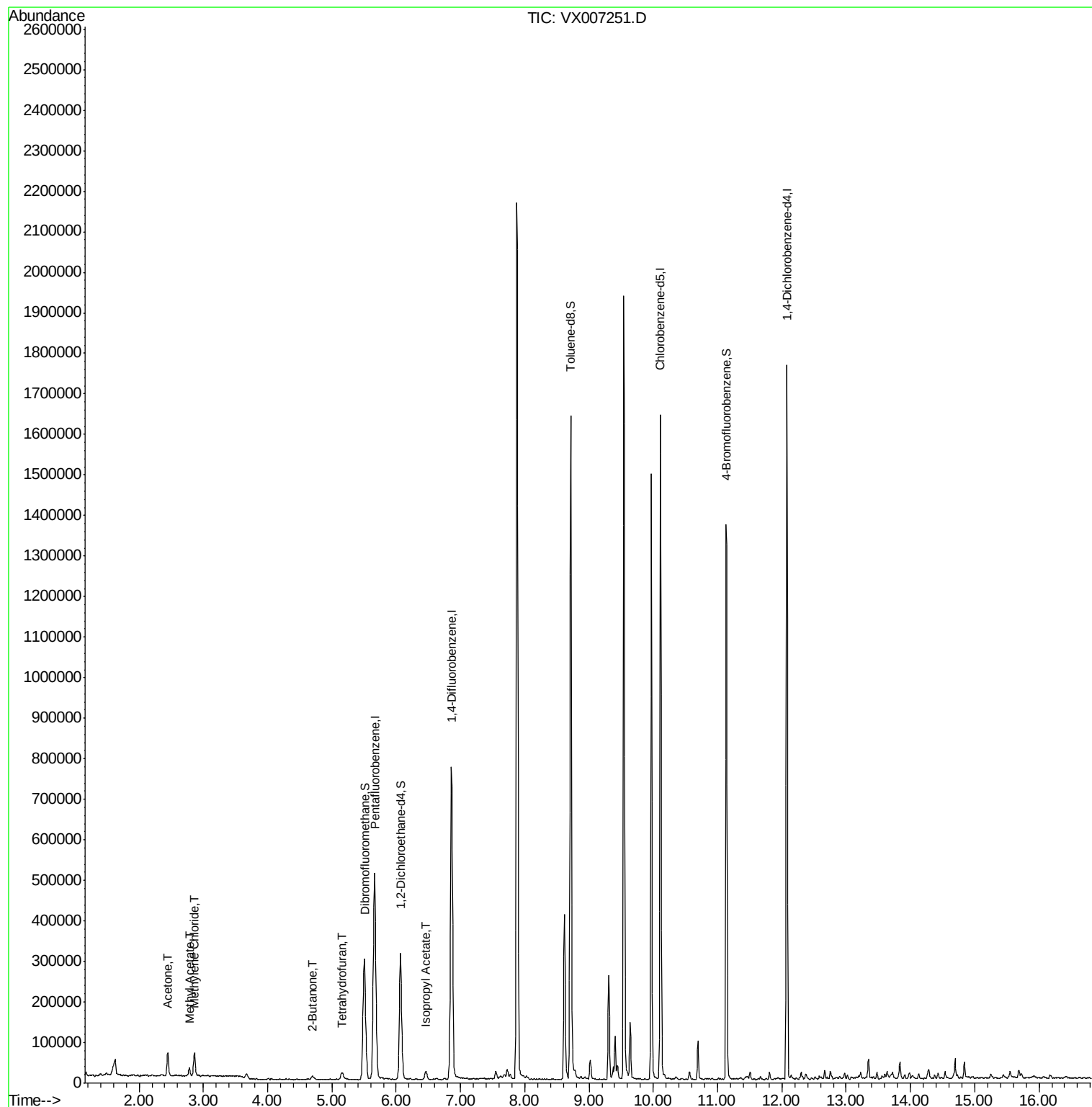
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	64776	23.812	ug/l	98
18) Methyl Acetate	2.78	43	25838	3.280	ug/l	94
20) Methylene Chloride	2.86	84	27889	4.880	ug/l	97
25) 2-Butanone	4.70	43	14481	3.720	ug/l	90
29) Tetrahydrofuran	5.16	42	16112	6.370	ug/l	95
43) Isopropyl Acetate	6.46	43	27367	2.270	ug/l	96

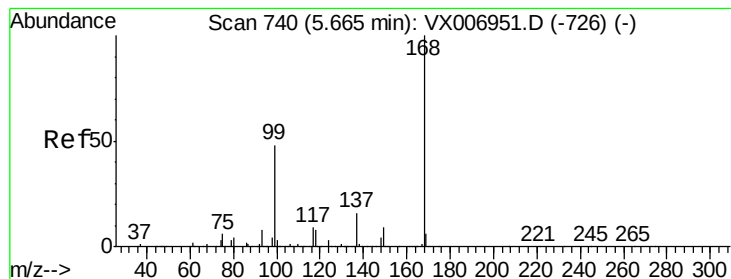
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007251.D

Acq: 26 Jan 2019 01:08

Instrument :

MSVOA_X

ClientSampled :

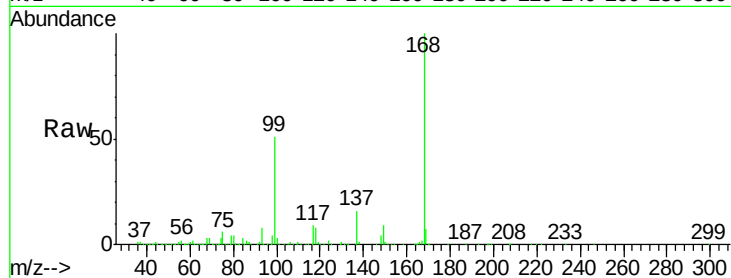
S2

Tot Ion:168 Resp: 526512

Ion Ratio Lower Upper

168 100

99 51.0 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

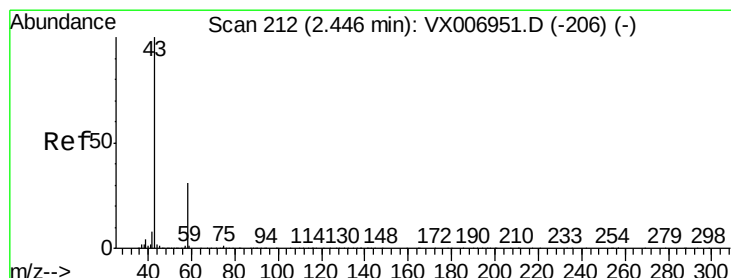
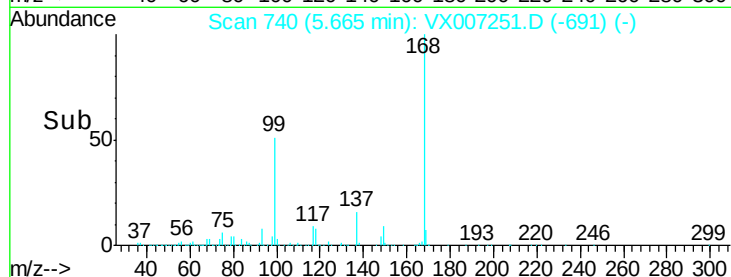
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 23.812 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007251.D

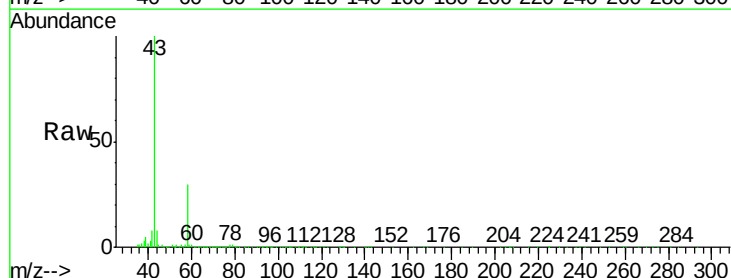
Acq: 26 Jan 2019 01:08

Tgt Ion: 43 Resp: 64776

Ion Ratio Lower Upper

43 100

58 30.2 25.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

40000

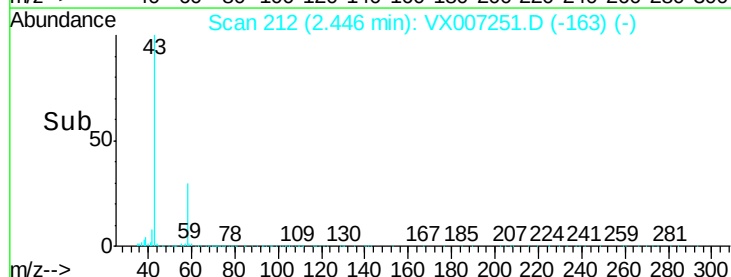
30000

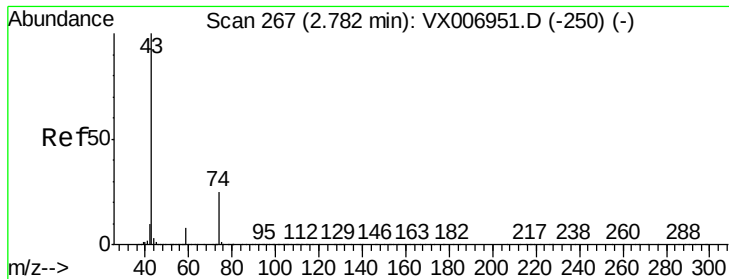
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10000

0

Time-->

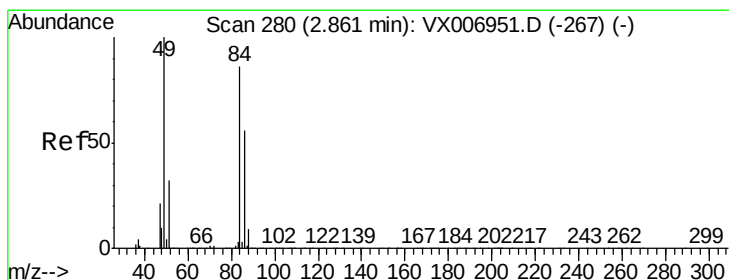
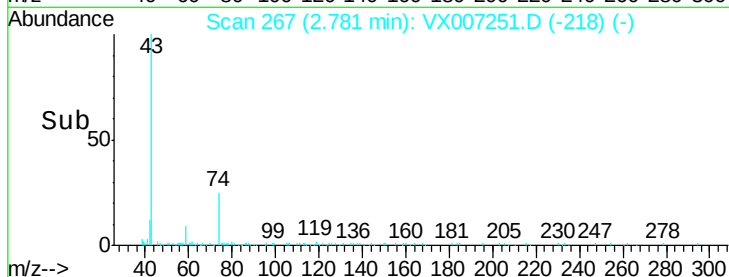
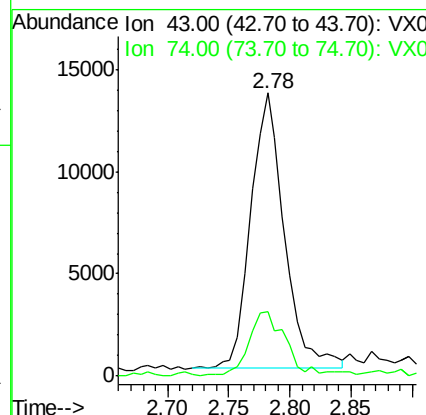
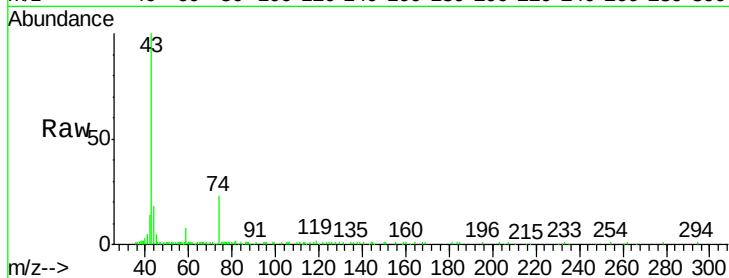




#18
Methyl Acetate
Concen: 3.280 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX007251.D
Acq: 26 Jan 2019 01:08

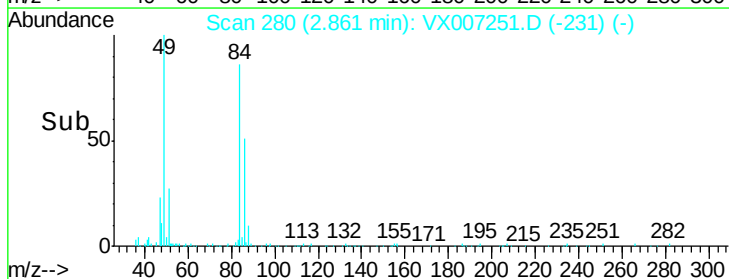
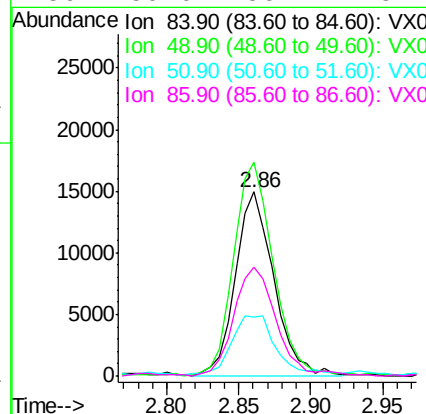
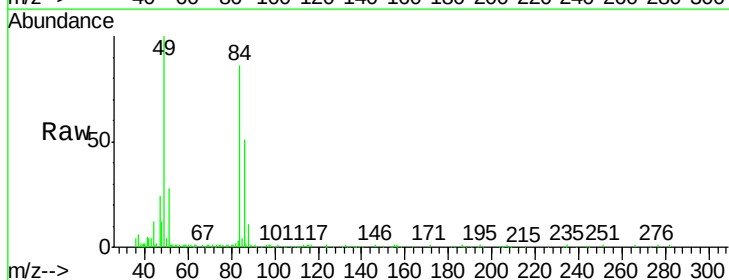
Instrument :
MSVOA_X
ClientSampleId :
S2

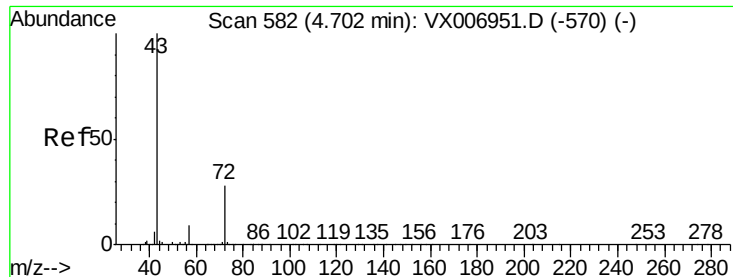
Tot Ion: 43 Resp: 25838
Ion Ratio Lower Upper
43 100
74 26.0 18.6 28.0



#20
Methylene Chloride
Concen: 4.880 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007251.D
Acq: 26 Jan 2019 01:08

Tgt Ion: 84 Resp: 27889
Ion Ratio Lower Upper
84 100
49 115.1 91.8 137.6
51 30.9 28.5 42.7
86 59.0 50.2 75.2





#25

2-Butanone

Concen: 3.720 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX007251.D

Acq: 26 Jan 2019 01:08

Instrument :

MSVOA_X

ClientSampled :

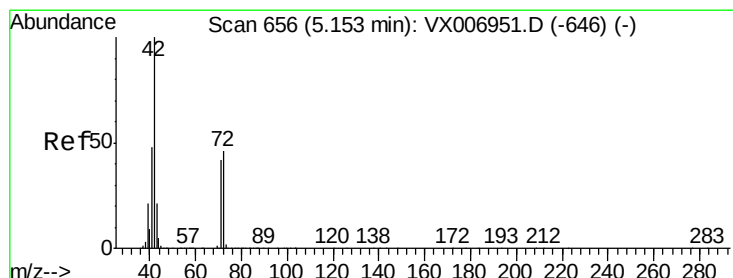
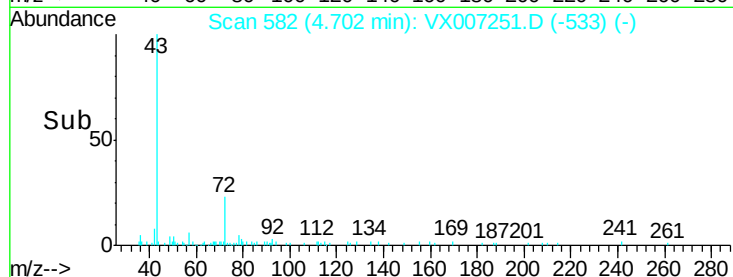
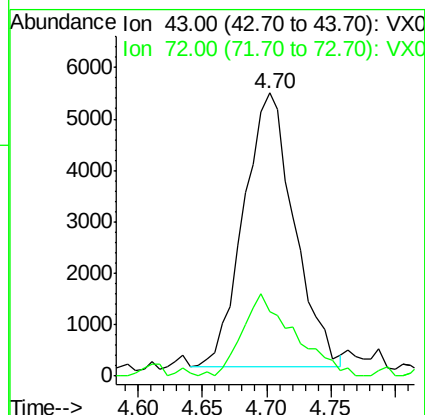
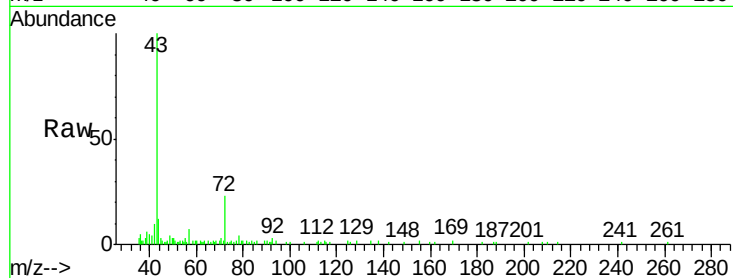
S2

Tot Ion: 43 Resp: 14481

Ion Ratio Lower Upper

43 100

72 22.5 22.4 33.6



#29

Tetrahydrofuran

Concen: 6.370 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX007251.D

Acq: 26 Jan 2019 01:08

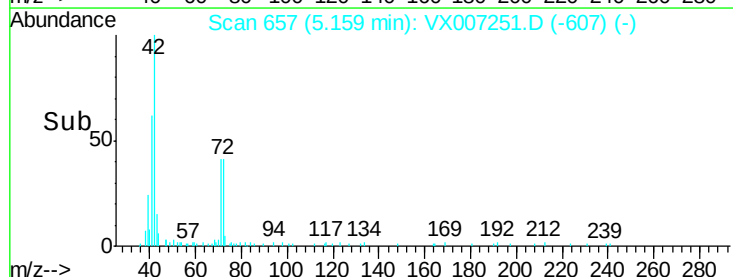
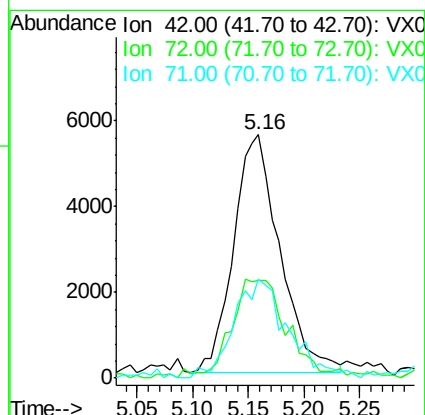
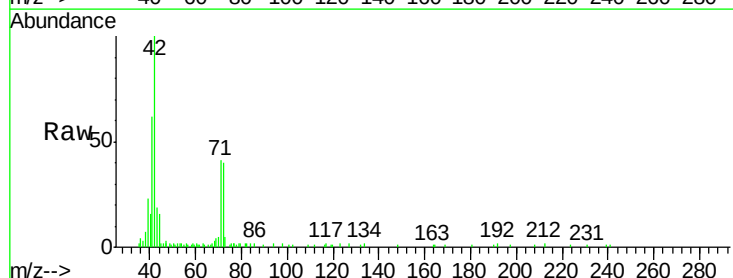
Tgt Ion: 42 Resp: 16112

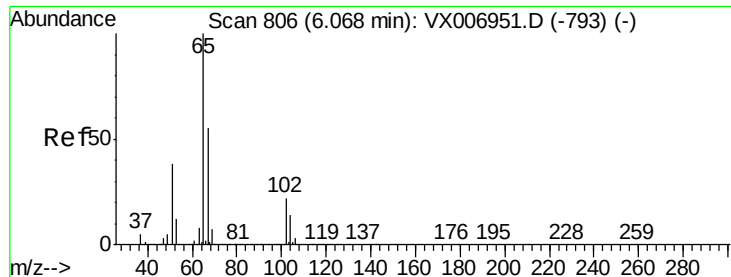
Ion Ratio Lower Upper

42 100

72 45.1 38.9 58.3

71 48.7 36.2 54.4

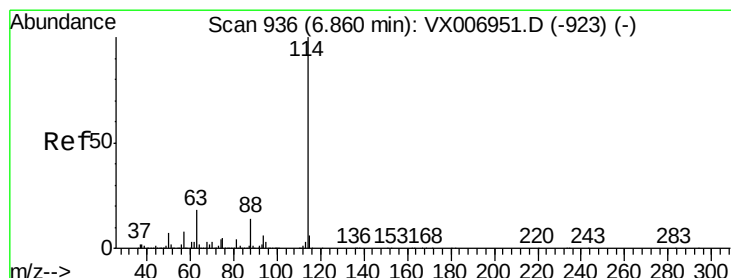
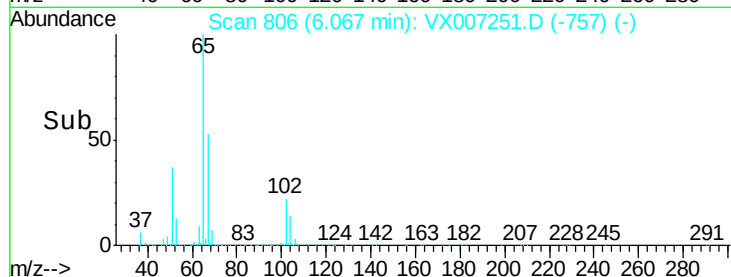
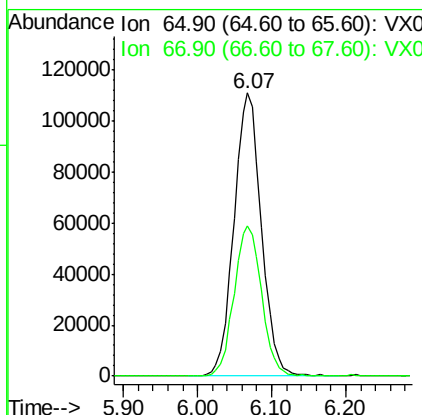
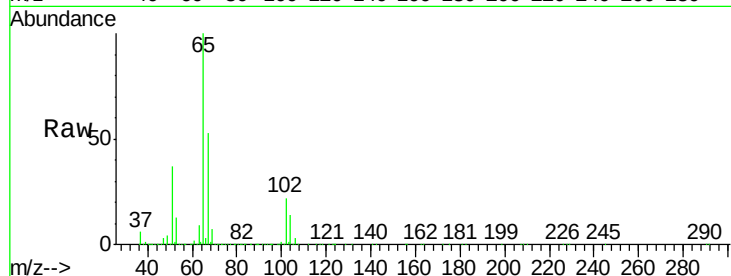




#33
 1,2-Dichloroethane-d4
 Concen: 51.920 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007251.D
 Acq: 26 Jan 2019 01:08

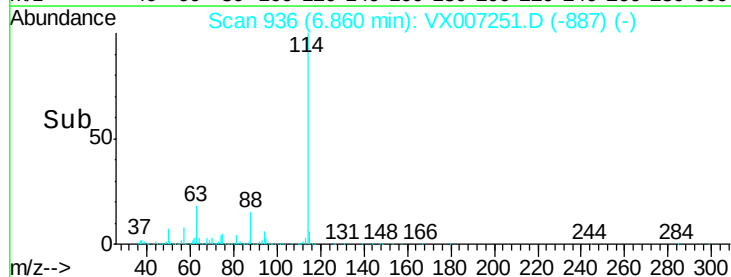
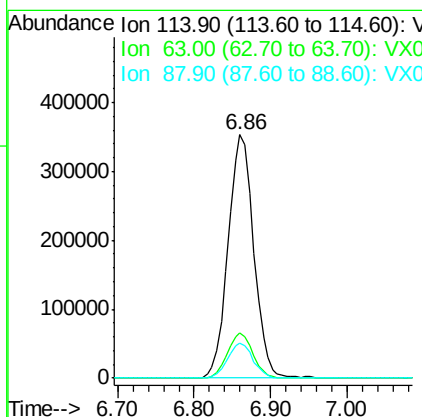
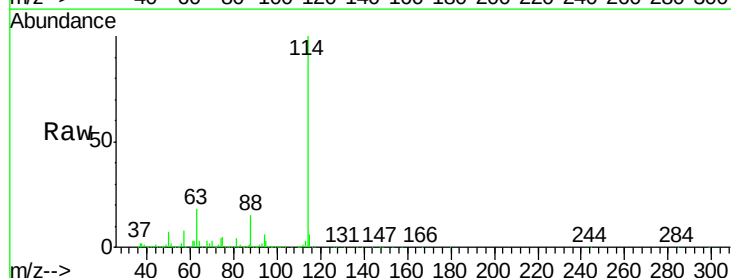
Instrument :
 MSVOA_X
 ClientSampleId :
 S2

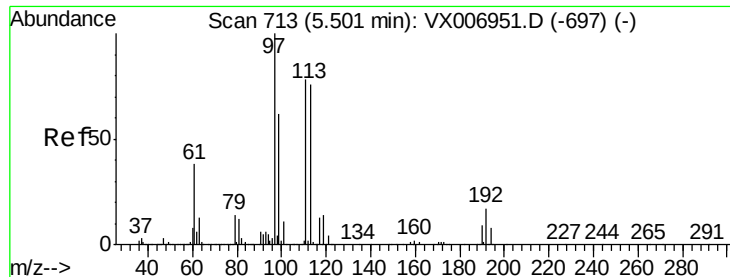
Tot Ion: 65 Resp: 285689
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007251.D
 Acq: 26 Jan 2019 01:08

Tgt Ion: 114 Resp: 820012
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 34.8
 88 14.4 0.0 28.8





#35

Dibromofluoromethane

Concen: 48.126 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007251.D

Acq: 26 Jan 2019 01:08

Instrument :

MSVOA_X

ClientSampled :

S2

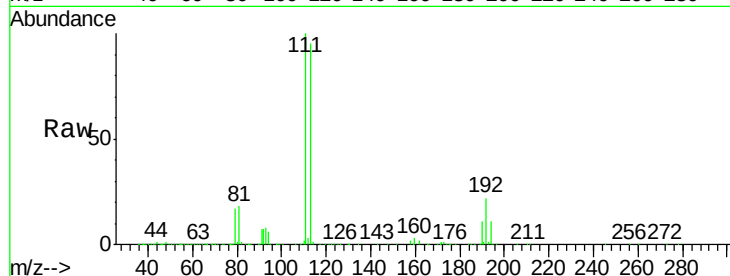
Tot Ion:113 Resp: 252725

Ion Ratio Lower Upper

113 100

111 102.3 81.6 122.4

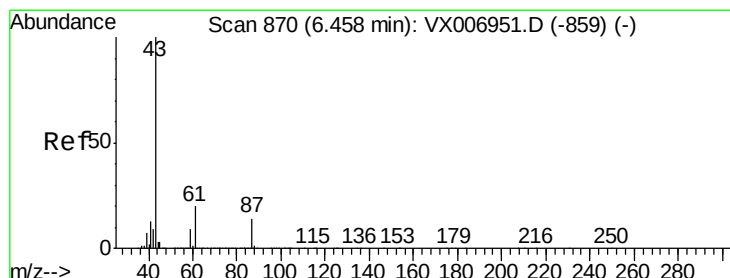
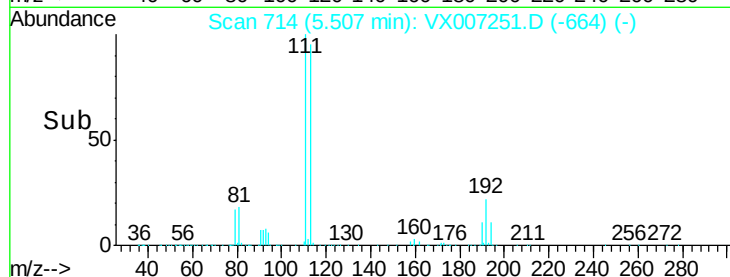
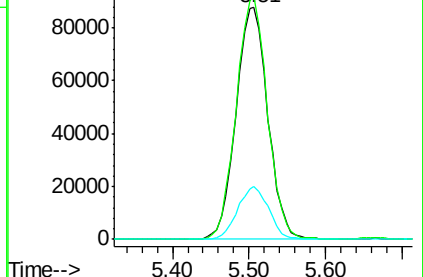
192 22.3 16.7 25.1



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



#43

Isopropyl Acetate

Concen: 2.270 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX007251.D

Acq: 26 Jan 2019 01:08

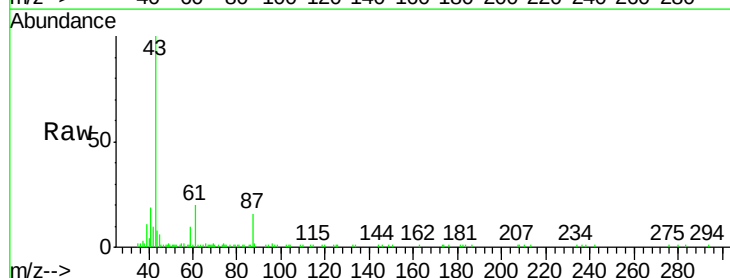
Tgt Ion: 43 Resp: 27367

Ion Ratio Lower Upper

43 100

61 23.0 16.8 25.2

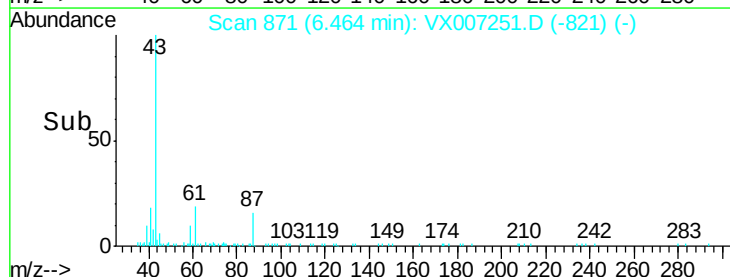
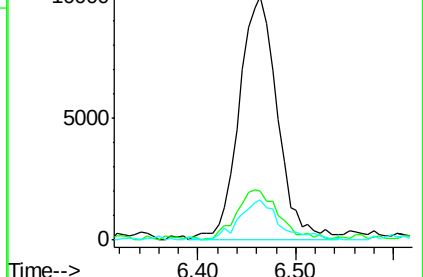
87 17.3 12.4 18.6

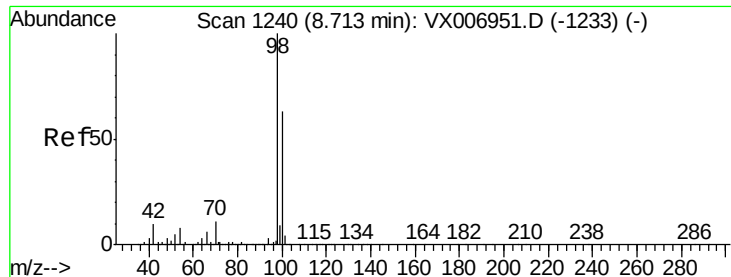


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#50

Toluene-d8

Concen: 52.285 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007251.D

Acq: 26 Jan 2019 01:08

Instrument :

MSVOA_X

ClientSampleId :

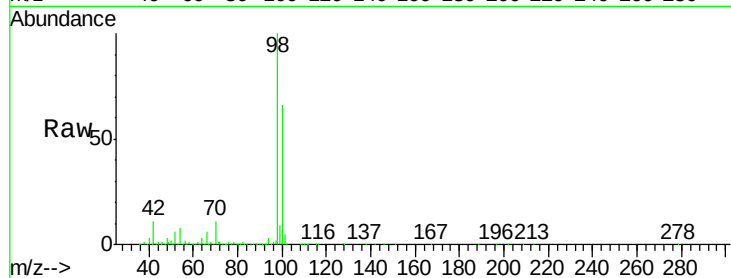
S2

Tot Ion: 98 Resp: 1004983

Ion Ratio Lower Upper

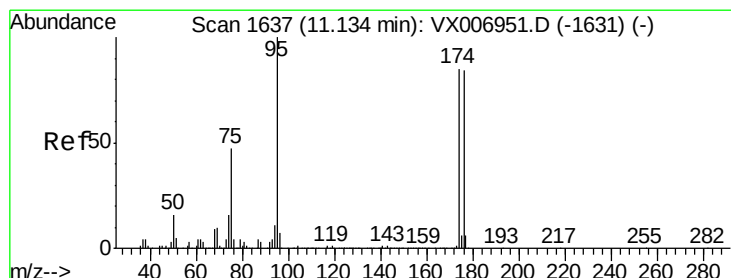
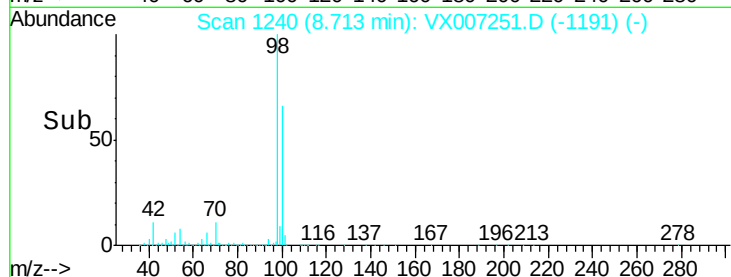
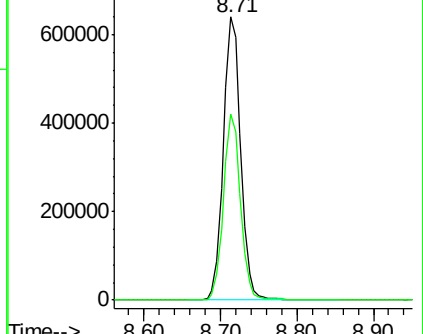
98 100

100 64.6 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#62

4-Bromofluorobenzene

Concen: 51.900 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007251.D

Acq: 26 Jan 2019 01:08

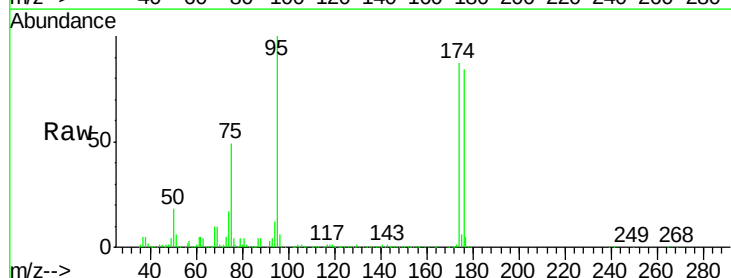
Tgt Ion: 95 Resp: 347786

Ion Ratio Lower Upper

95 100

174 93.8 0.0 182.2

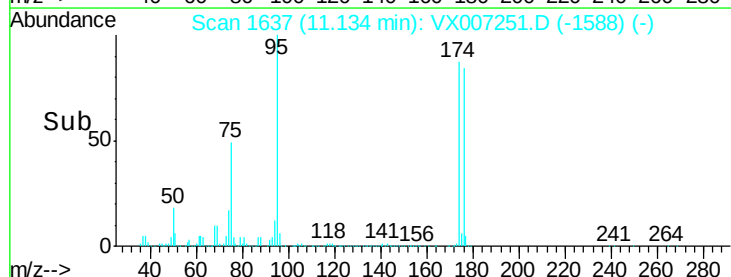
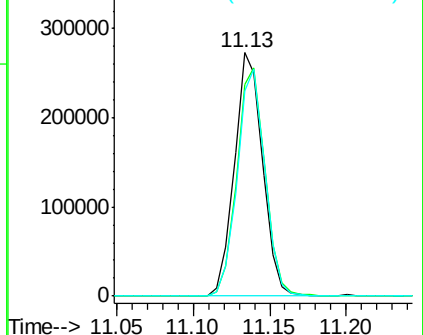
176 91.7 0.0 178.8

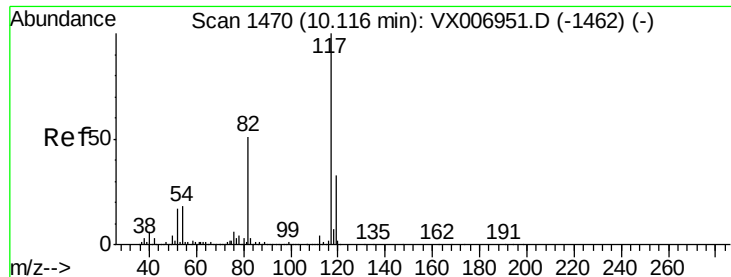


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VX007251.D

Acq: 26 Jan 2019 01:08

Instrument :

MSVOA_X

ClientSampleId :

S2

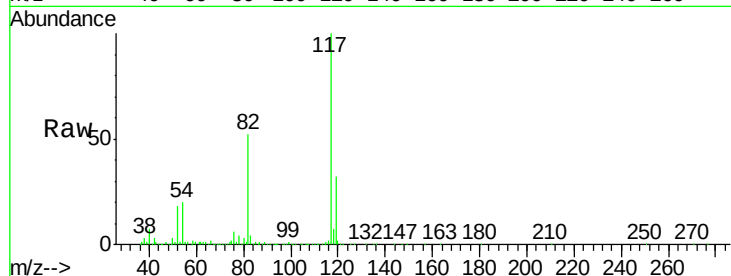
Tot Ion:117 Resp: 789211

Ion Ratio Lower Upper

117 100

82 52.4 41.0 61.6

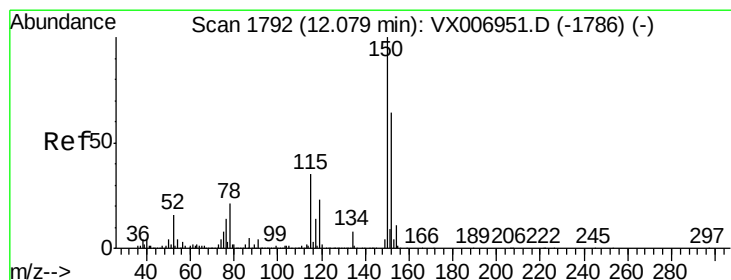
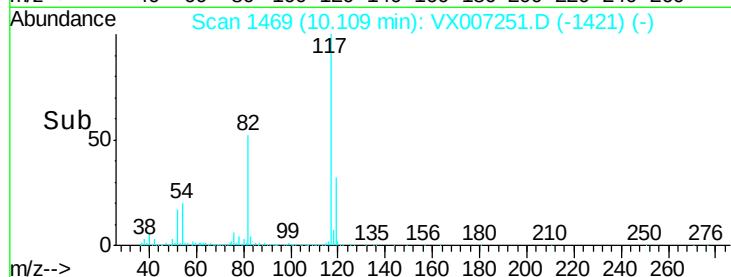
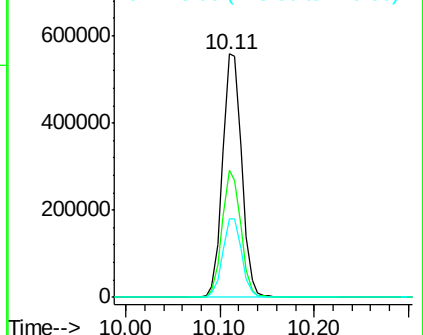
119 32.3 25.4 38.0



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: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007251.D

Acq: 26 Jan 2019 01:08

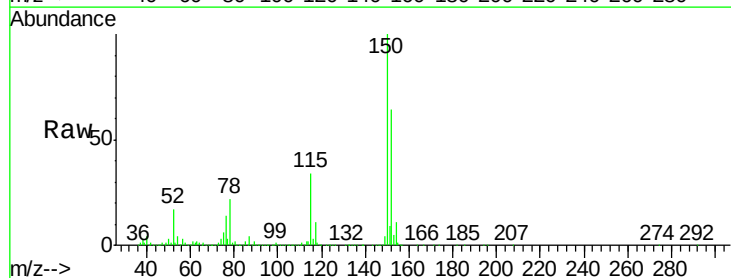
Tgt Ion:152 Resp: 374675

Ion Ratio Lower Upper

152 100

115 54.8 39.1 117.2

150 157.6 0.0 344.8



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

