

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101818\
 Data File : VX005436.D
 Acq On : 18 Oct 2018 17:57
 Operator : JC/MD
 Sample : J5536-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 351-SOIL

Quant Time: Oct 19 05:05:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	308064	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	461027	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	391070	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	189800	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	175059	51.20	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	102.40%	
35) Dibromofluoromethane	5.50	113	142254	46.59	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.18%	
50) Toluene-d8	8.71	98	521934	49.79	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.58%	
62) 4-Bromofluorobenzene	11.14	95	173613	44.09	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	88.18%	

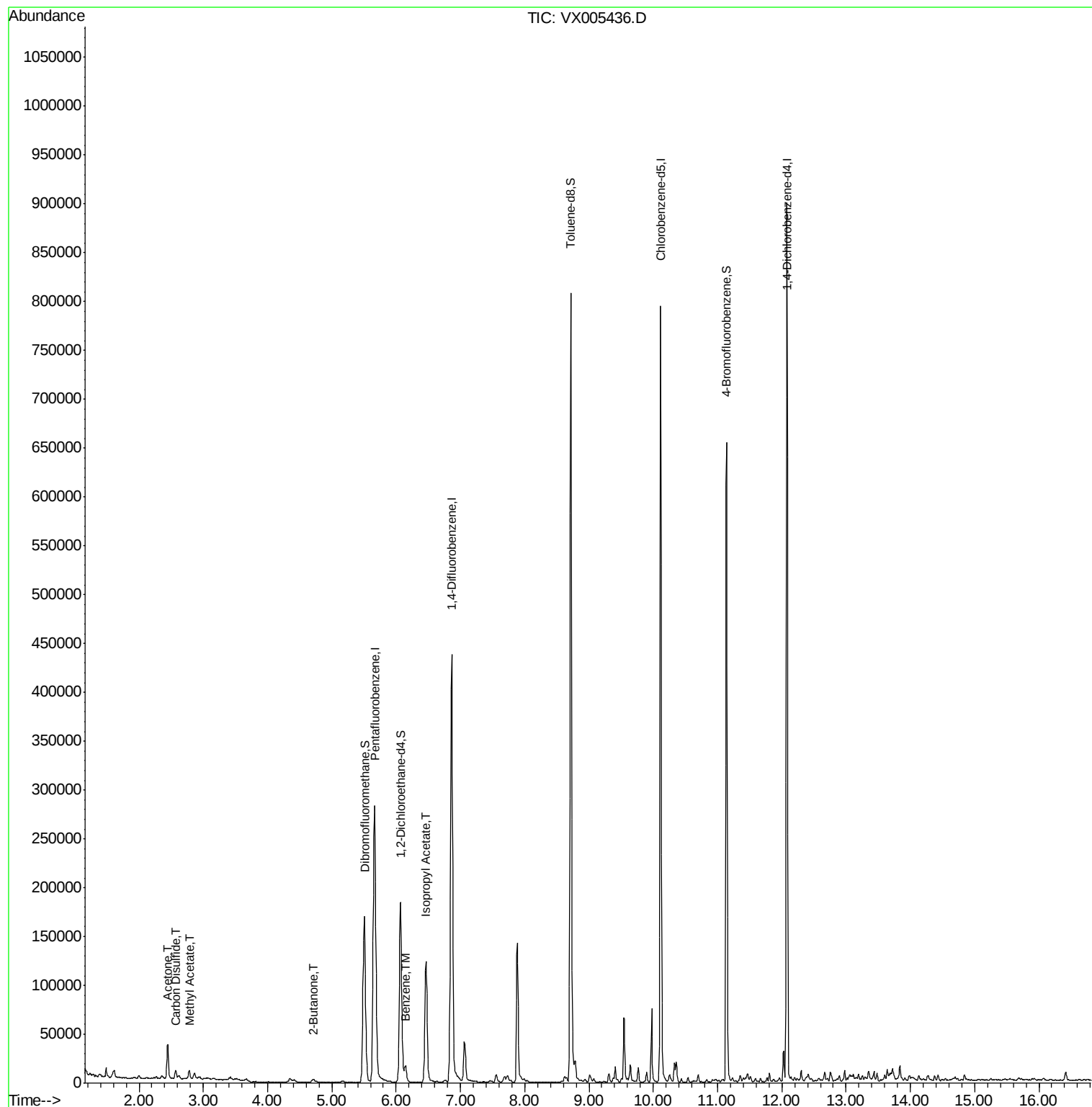
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	38185	19.316	ug/l	95
17) Carbon Disulfide	2.57	76	10669	1.305	ug/l	99
18) Methyl Acetate	2.78	43	9703	1.725	ug/l	94
25) 2-Butanone	4.71	43	6632	2.293	ug/l	89
40) Benzene	6.15	78	18954	1.415	ug/l	95
43) Isopropyl Acetate	6.46	43	168833	22.072	ug/l	99

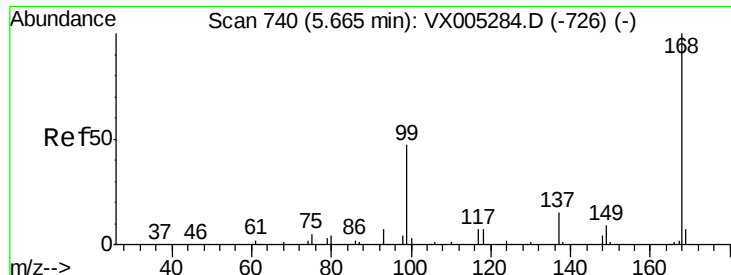
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 19 05:05:06 2018
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Quant Title : SW846 8260
QLast Update : Fri Oct 12 11:28:43 2018
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: VX005436.D

Acq: 18 Oct 2018 17:57

Instrument :

MSVOA_X

ClientSampleId :

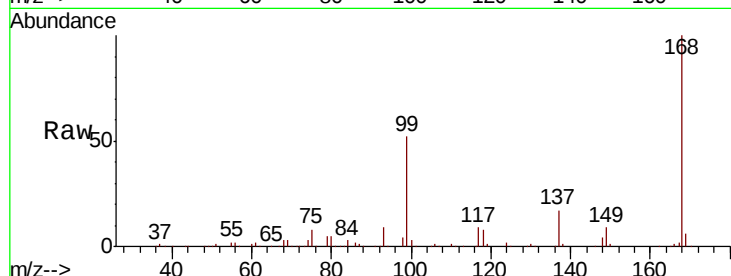
351-SOIL

Tot Ion:168 Resp: 308064

Ion Ratio Lower Upper

168 100

99 51.9 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

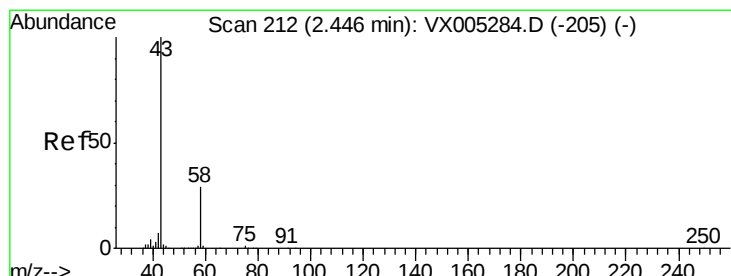
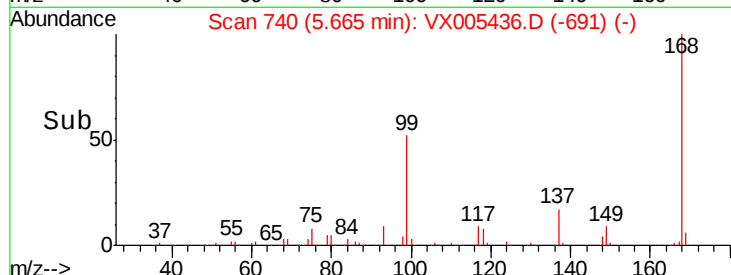
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 19.316 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005436.D

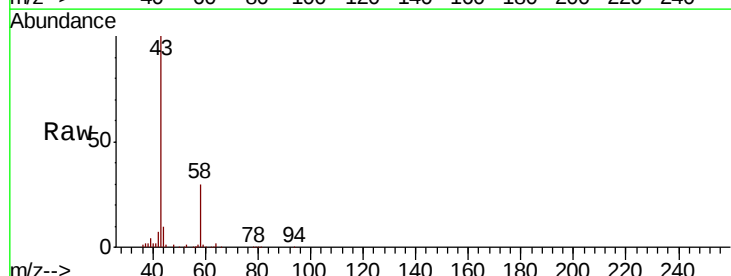
Acq: 18 Oct 2018 17:57

Tgt Ion: 43 Resp: 38185

Ion Ratio Lower Upper

43 100

58 30.2 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

25000

20000

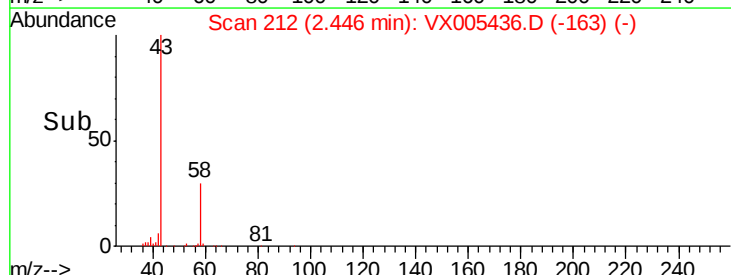
15000

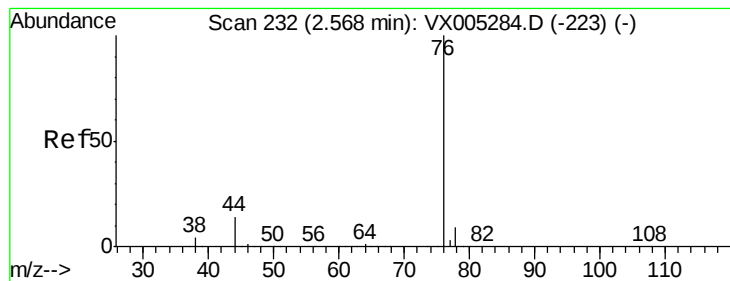
10000

5000

0

Time--> 2.35 2.40 2.45 2.50 2.55





#17

Carbon Disulfide

Concen: 1.305 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX005436.D

Acq: 18 Oct 2018 17:57

Instrument :

MSVOA_X

ClientSampleId :

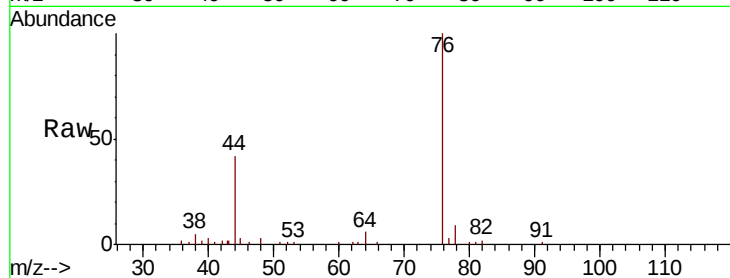
351-SOIL

Tot Ion: 76 Resp: 10669

Ion Ratio Lower Upper

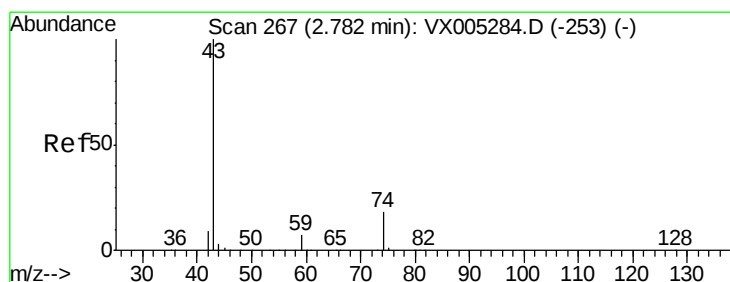
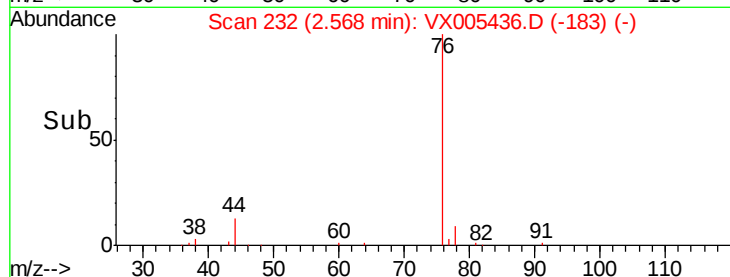
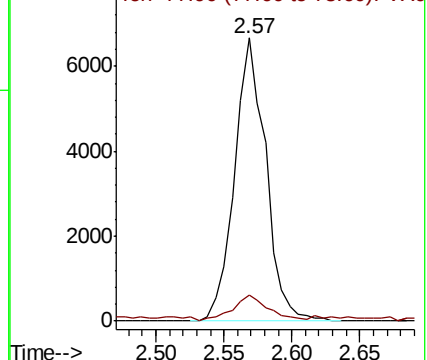
76 100

78 8.3 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 1.725 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX005436.D

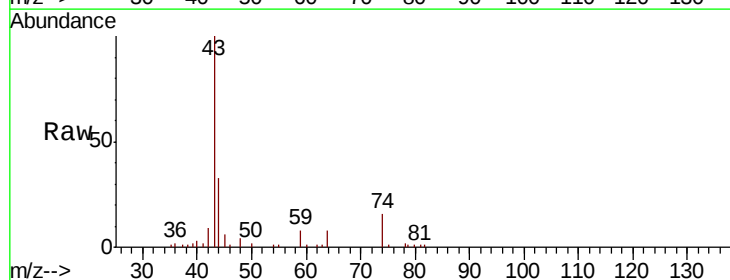
Acq: 18 Oct 2018 17:57

Tgt Ion: 43 Resp: 9703

Ion Ratio Lower Upper

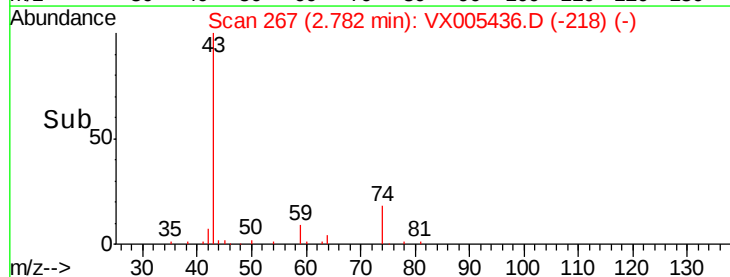
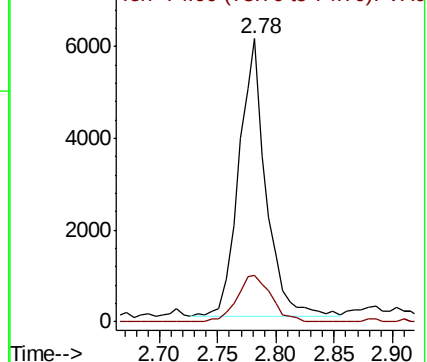
43 100

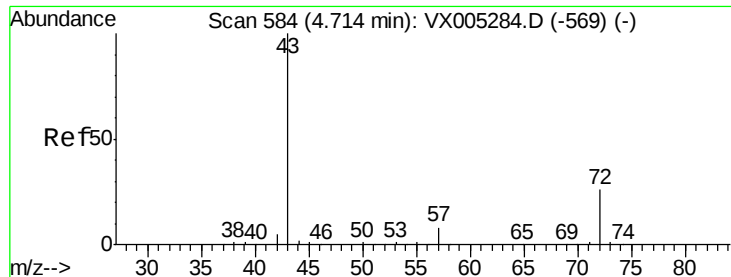
74 21.4 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#25

2-Butanone

Concen: 2.293 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.01 min

Lab File: VX005436.D

Acq: 18 Oct 2018 17:57

Instrument :

MSVOA_X

ClientSampled :

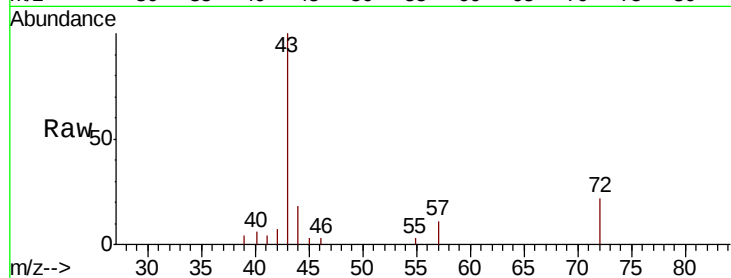
351-SOIL

Tot Ion: 43 Resp: 6632

Ion Ratio Lower Upper

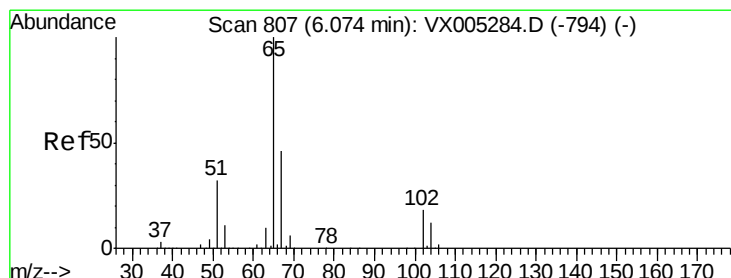
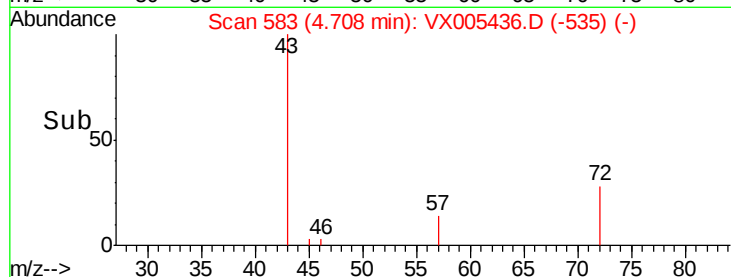
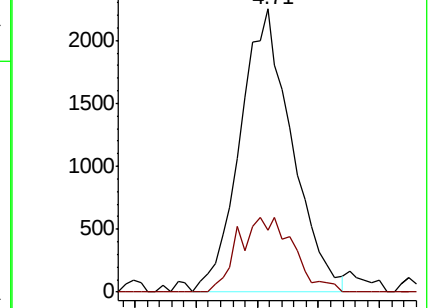
43 100

72 22.0 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 51.201 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX005436.D

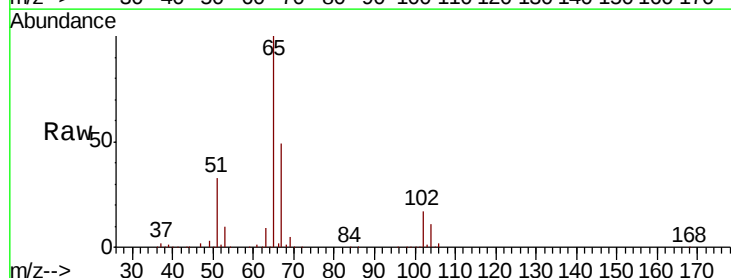
Acq: 18 Oct 2018 17:57

Tgt Ion: 65 Resp: 175059

Ion Ratio Lower Upper

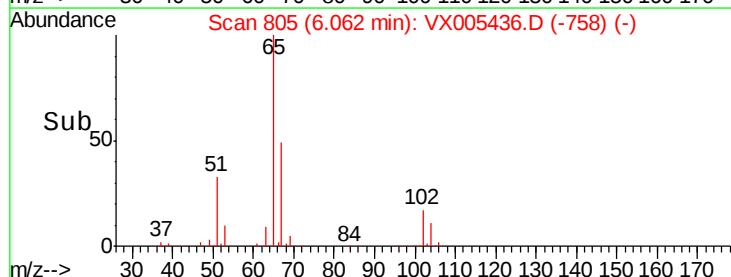
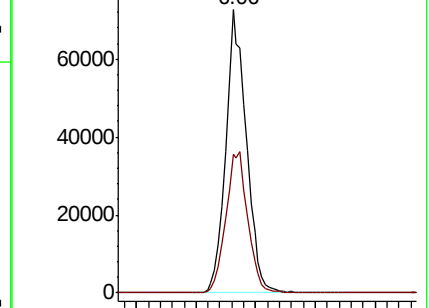
65 100

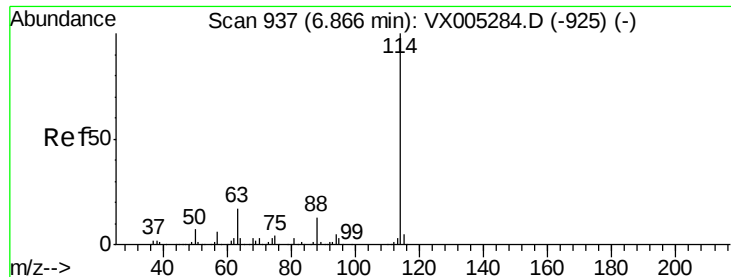
67 53.2 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 937

Delta R.T. 0.00 min

Lab File: VX005436.D

Acq: 18 Oct 2018 17:57

Instrument :

MSVOA_X

ClientSampleId :

351-SOIL

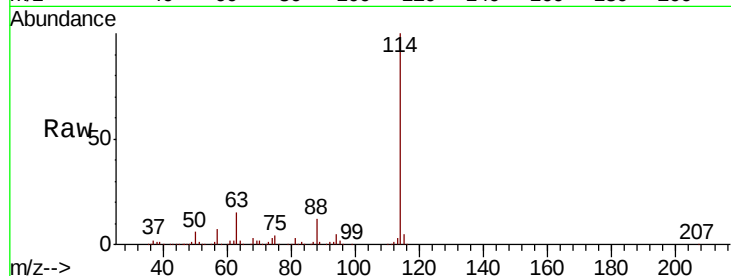
Tot Ion:114 Resp: 461027

Ion Ratio Lower Upper

114 100

63 15.2 0.0 39.0

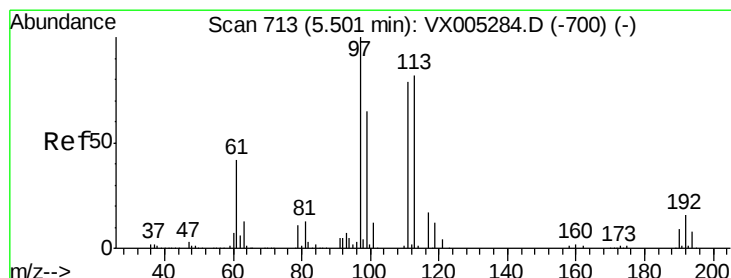
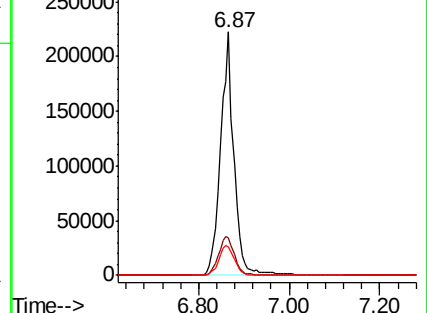
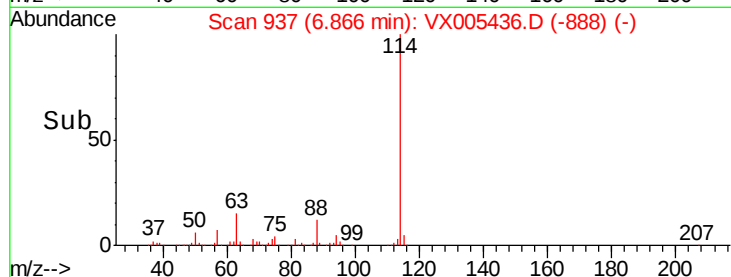
88 12.0 0.0 30.4



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: 46.587 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX005436.D

Acq: 18 Oct 2018 17:57

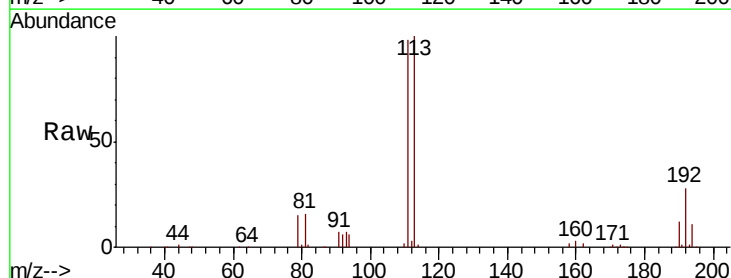
Tgt Ion:113 Resp: 142254

Ion Ratio Lower Upper

113 100

111 103.6 82.4 123.6

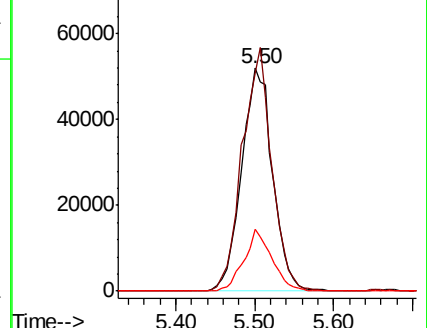
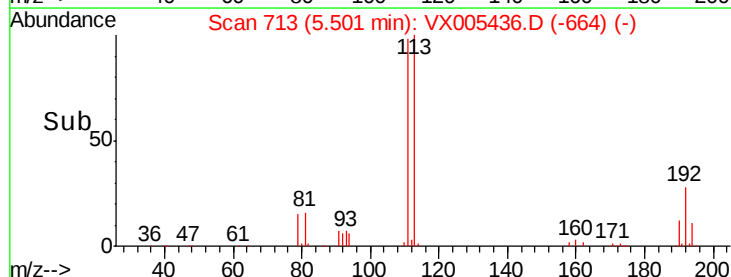
192 24.8 19.4 29.2

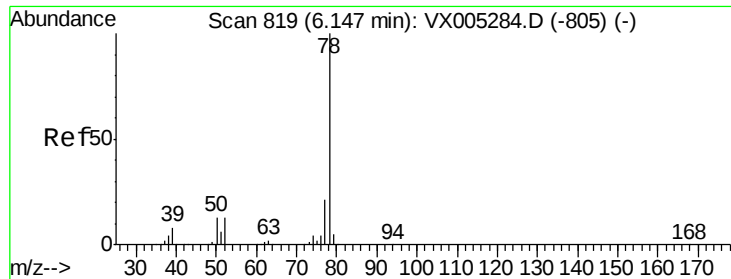


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 1.415 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX005436.D

Acq: 18 Oct 2018 17:57

Instrument :

MSVOA_X

ClientSampleId :

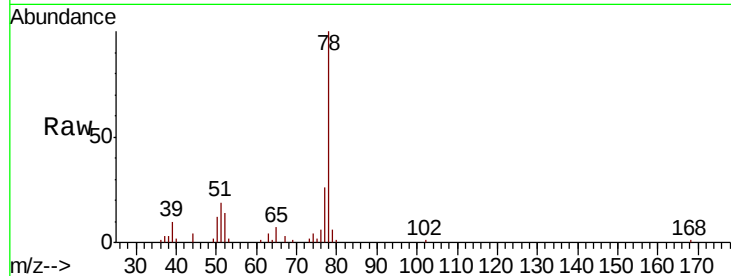
351-SOIL

Tot Ion: 78 Resp: 18954

Ion Ratio Lower Upper

78 100

77 26.1 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.15

8000

6000

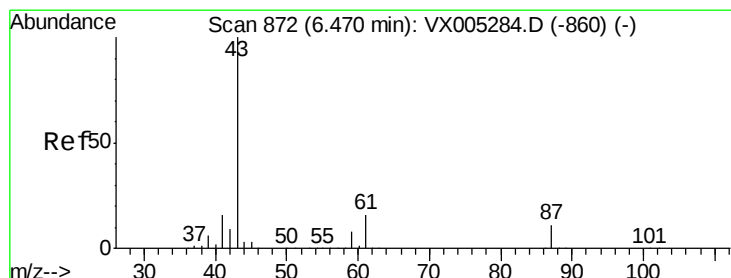
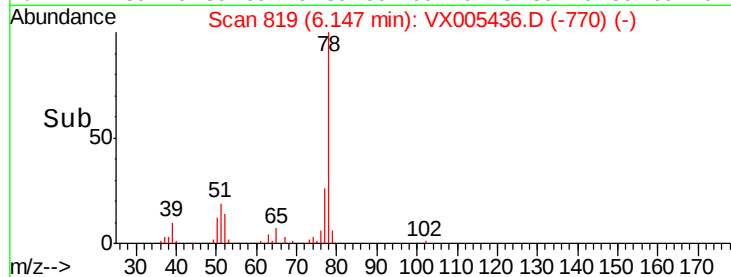
4000

2000

0

Time-->

6.00 6.10 6.20 6.30



#43

Isopropyl Acetate

Concen: 22.072 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.01 min

Lab File: VX005436.D

Acq: 18 Oct 2018 17:57

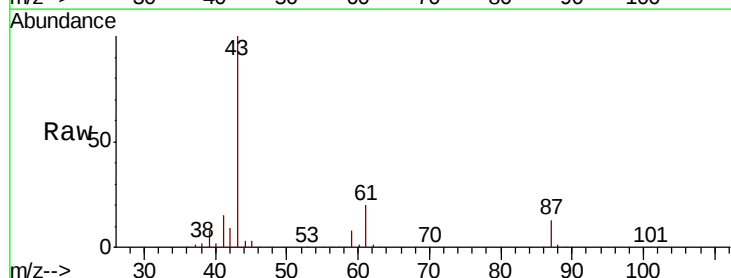
Tgt Ion: 43 Resp: 168833

Ion Ratio Lower Upper

43 100

61 21.4 17.0 25.4

87 13.7 11.4 17.2



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

80000

60000

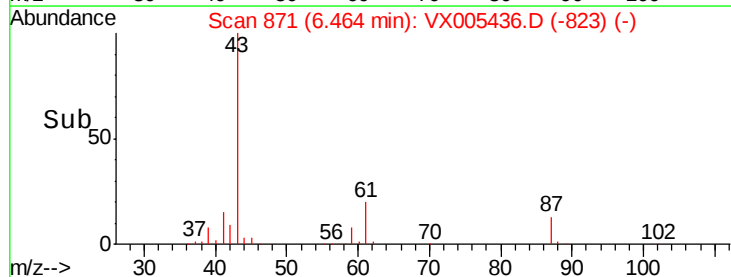
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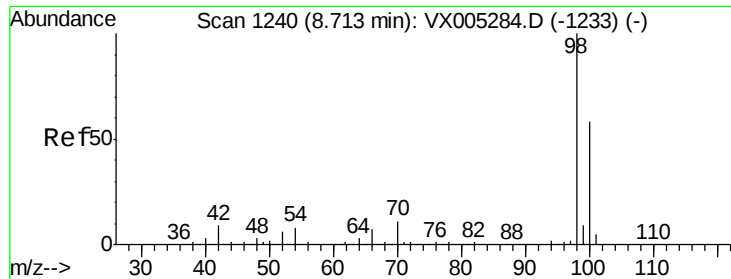
20000

0

Time-->

6.30 6.40 6.50 6.60

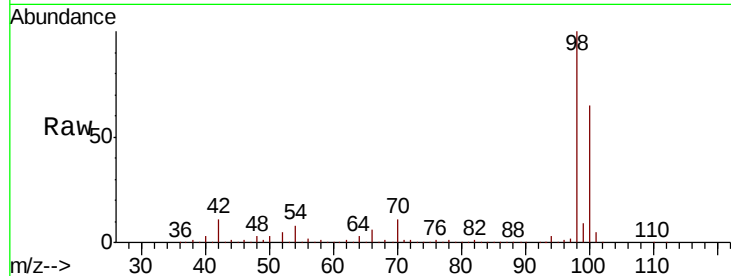




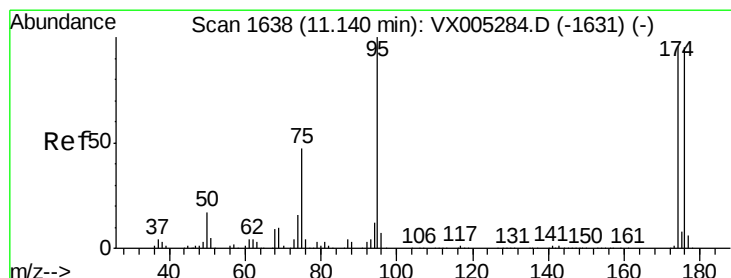
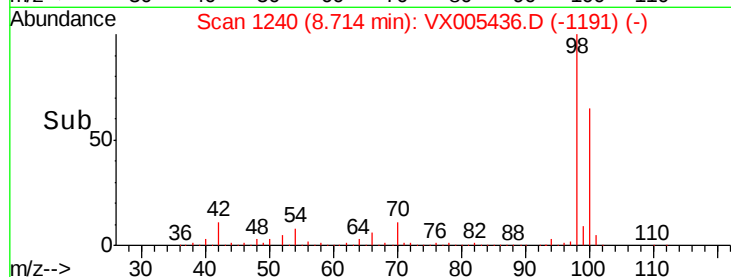
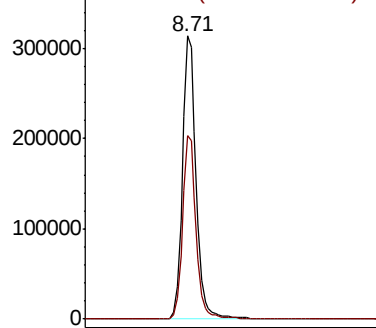
#50
Toluene-d8
Concen: 49.789 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005436.D
Acq: 18 Oct 2018 17:57

Instrument :
MSVOA_X
ClientSampleId :
351-SOIL

Tot Ion: 98 Resp: 521934
Ion Ratio Lower Upper
98 100
100 64.0 52.9 79.3

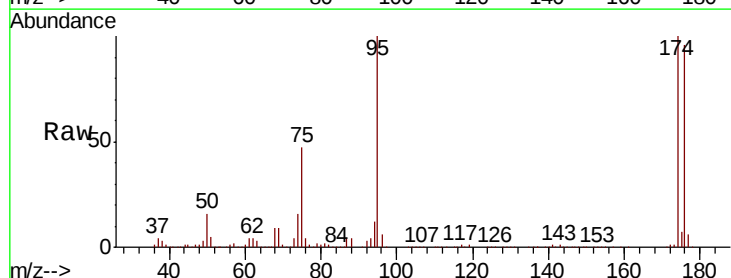


Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

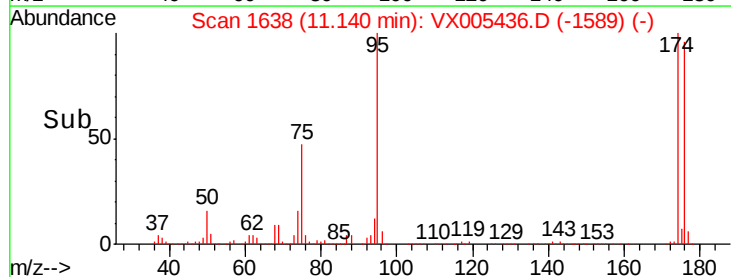
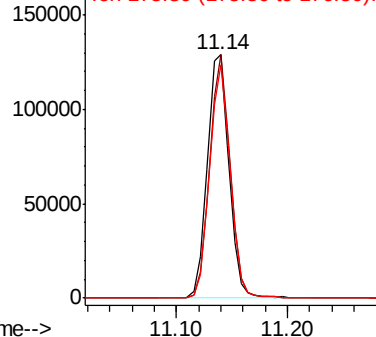


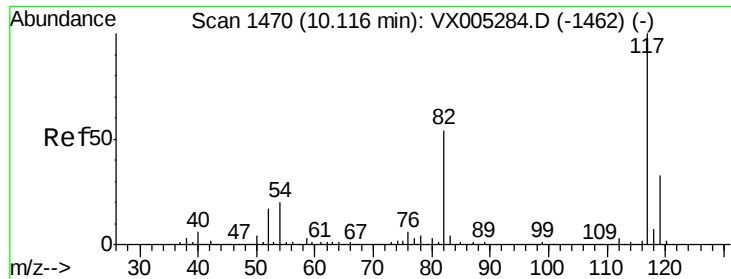
#62
4-Bromofluorobenzene
Concen: 44.086 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005436.D
Acq: 18 Oct 2018 17:57

Tgt Ion: 95 Resp: 173613
Ion Ratio Lower Upper
95 100
174 94.3 0.0 185.2
176 91.3 0.0 178.6



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

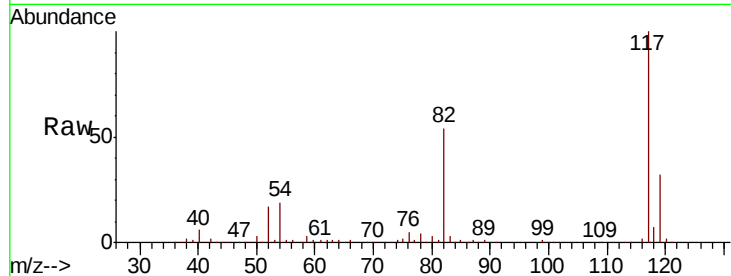




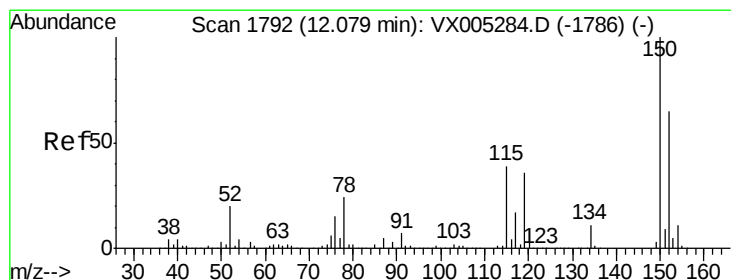
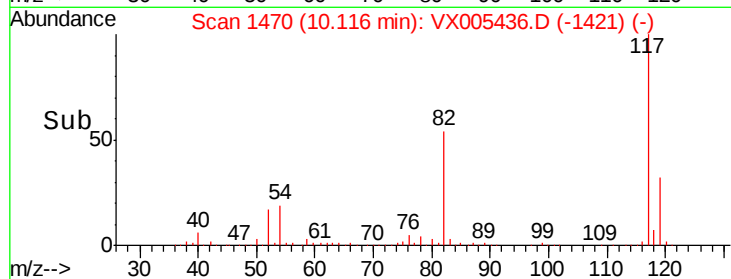
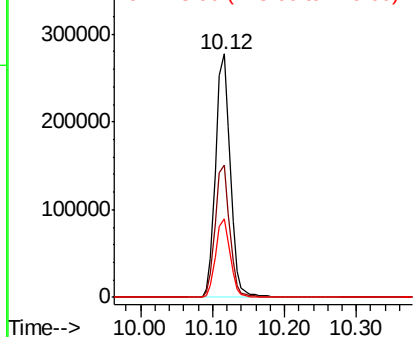
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005436.D
Acq: 18 Oct 2018 17:57

Instrument :
MSVOA_X
ClientSampleId :
351-SOIL

Tot Ion:117 Resp: 391070
Ion Ratio Lower Upper
117 100
82 54.3 47.8 71.6
119 32.2 29.3 43.9

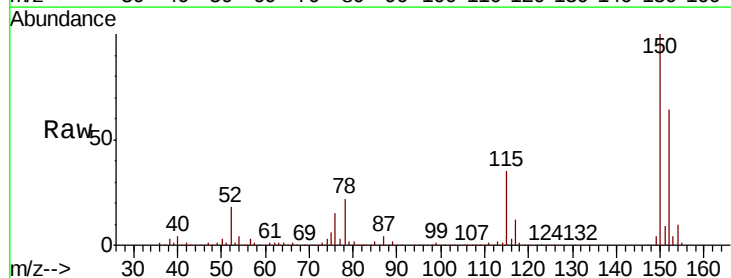


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005436.D
Acq: 18 Oct 2018 17:57

Tgt Ion:152 Resp: 189800
Ion Ratio Lower Upper
152 100
115 54.7 39.0 117.0
150 155.8 0.0 351.0



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

