

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
 Data File : VD061170.D
 Acq On : 19 Mar 2019 4:34
 Operator : VA/AP
 Sample : K1928-06
 Misc : 6.65g/5ml/MSVOA D/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A1-2-H1(2.5-3)

Quant Time: Mar 19 08:48:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

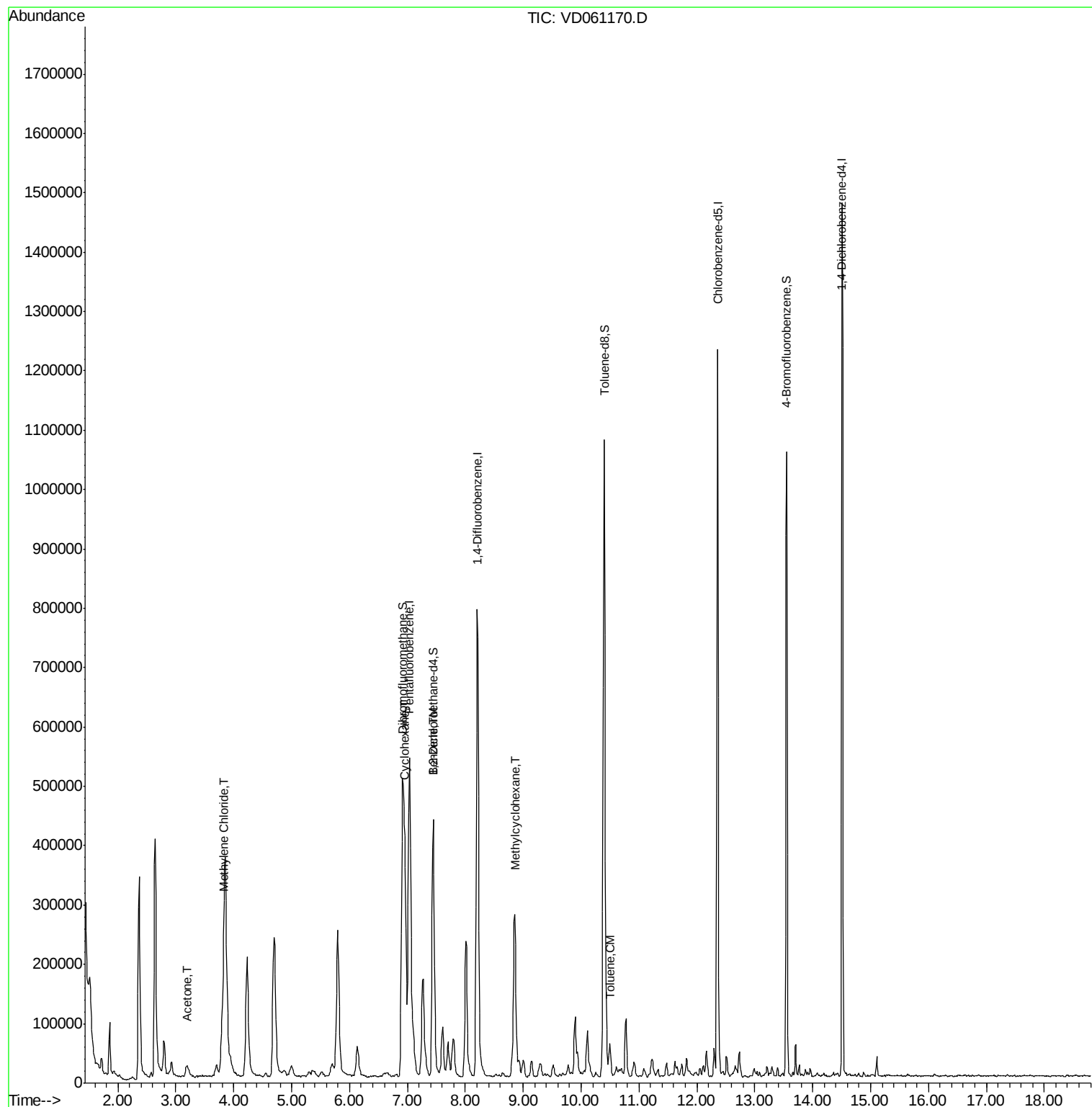
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	568110	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1002646	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	857110	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	362343	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	272172	57.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.12%	
35) Dibromofluoromethane	6.92	113	426431	57.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.62%	
50) Toluene-d8	10.40	98	997714	53.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.78%	
62) 4-Bromofluorobenzene	13.55	95	349767	48.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.48%	
Target Compounds						
16) Acetone	3.20	43	28704	21.227	ug/l #	75
20) Methylene Chloride	3.81	84	37042	1.482	ug/l	91
31) Cyclohexane	6.95	56	201476	24.077	ug/l	96
39) Methylcyclohexane	8.85	83	156272	17.438	ug/l	96
40) Benzene	7.45	78	207617	9.614	ug/l	98
52) Toluene	10.50	92	29622	2.206	ug/l	90

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

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Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD061170.D

Acq: 19 Mar 2019 4:34

Instrument :

MSVOA_D

ClientSampleId :

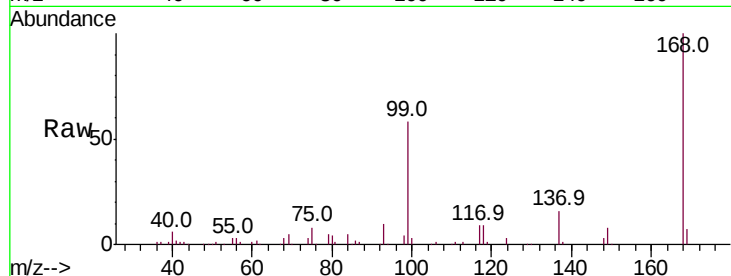
A1-2-H1(2.5-3)

Tot Ion:168 Resp: 568110

Ion Ratio Lower Upper

168 100

99 58.5 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

200000

150000

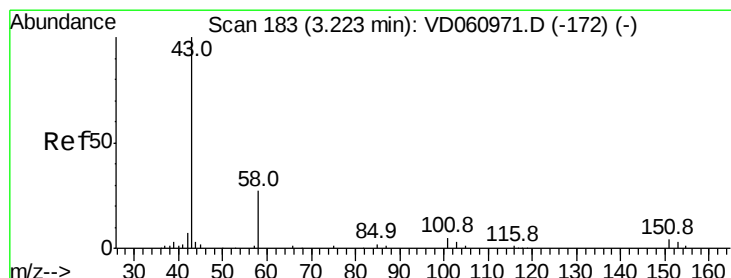
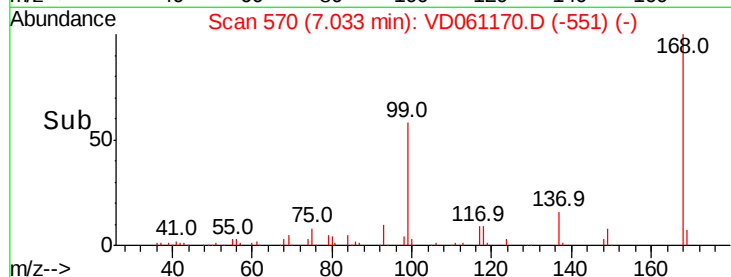
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#16

Acetone

Concen: 21.227 ug/l

RT: 3.20 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD061170.D

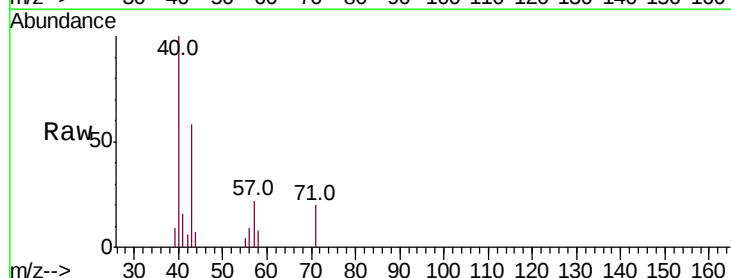
Acq: 19 Mar 2019 4:34

Tgt Ion: 43 Resp: 28704

Ion Ratio Lower Upper

43 100

58 13.9 21.6 32.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.20

6000

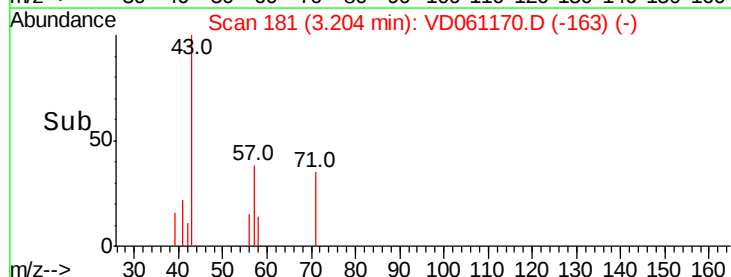
4000

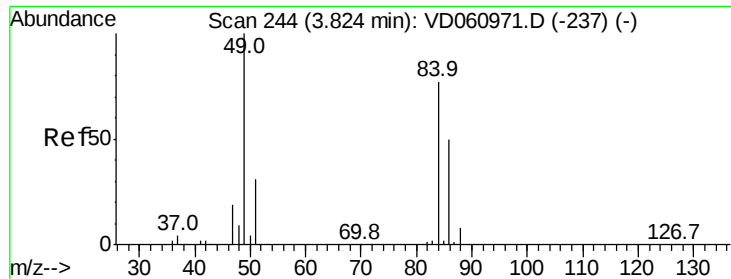
2000

0

3.10 3.20 3.30 3.40

Time-->



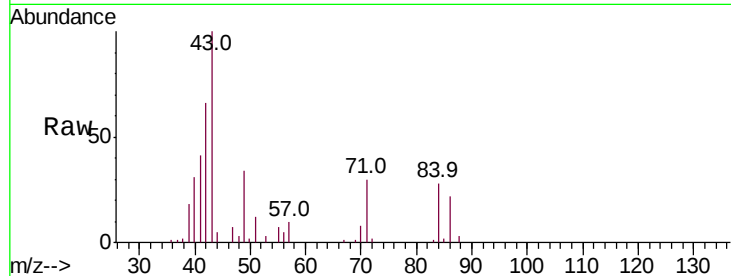


#20
Methylene Chloride
Concen: 1.482 ug/l
RT: 3.81 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD061170.D
Acq: 19 Mar 2019 4:34

Instrument :
MSVOA_D
ClientSampleId :
A1-2-H1(2.5-3)

Tot Ion: 84 Resp: 37042

Ion	Ratio	Lower	Upper
84	100		
49	121.4	104.2	156.2
51	41.7	32.3	48.5
86	77.9	52.3	78.5

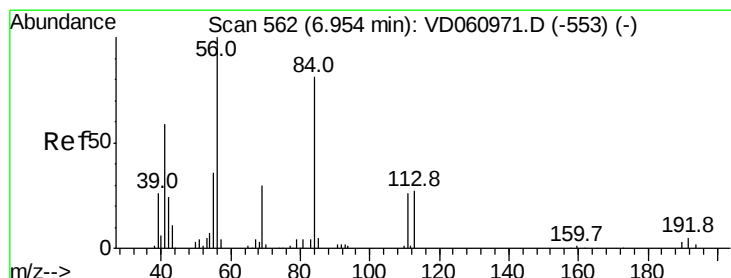
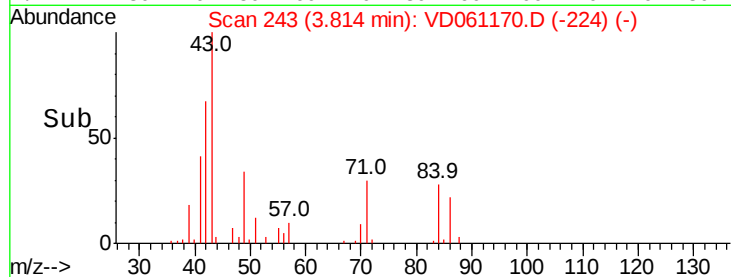
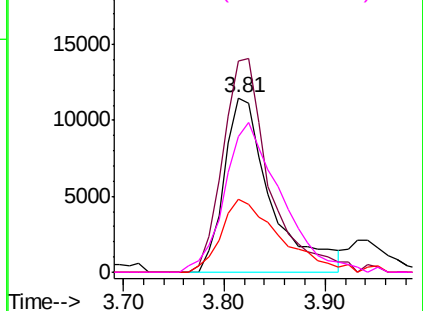


Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

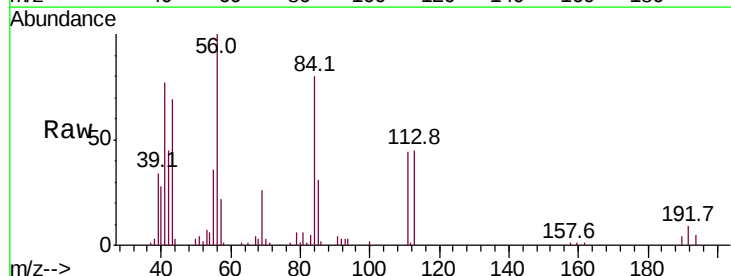
Ion 85.90 (85.60 to 86.60): VDC



#31
Cyclohexane
Concen: 24.077 ug/l
RT: 6.95 min Scan# 562
Delta R.T. 0.00 min
Lab File: VD061170.D
Acq: 19 Mar 2019 4:34

Tgt Ion: 56 Resp: 201476

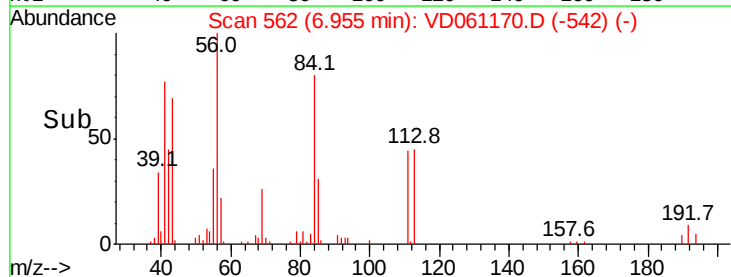
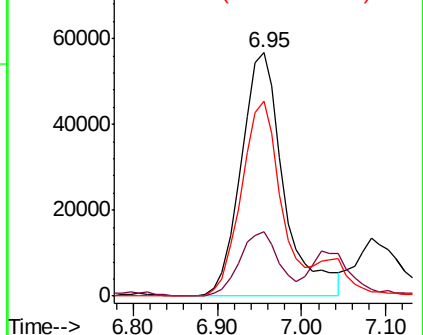
Ion	Ratio	Lower	Upper
56	100		
69	26.3	24.0	36.0
84	80.0	65.8	98.6

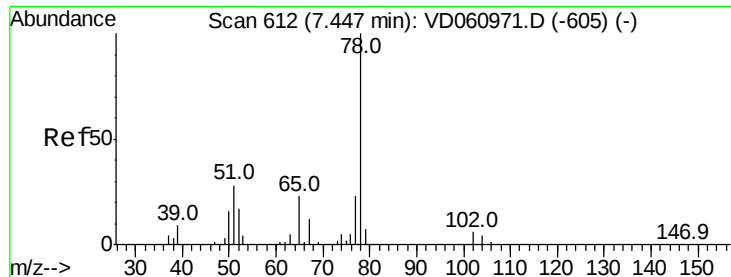


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD061170.D

Acq: 19 Mar 2019 4:34

Instrument :

MSVOA_D

ClientSampleId :

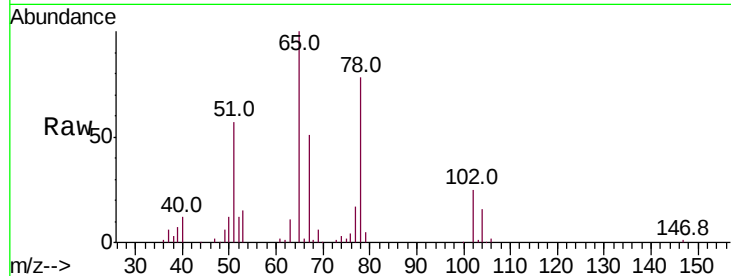
A1-2-H1(2.5-3)

Tot Ion: 65 Resp: 272172

Ion Ratio Lower Upper

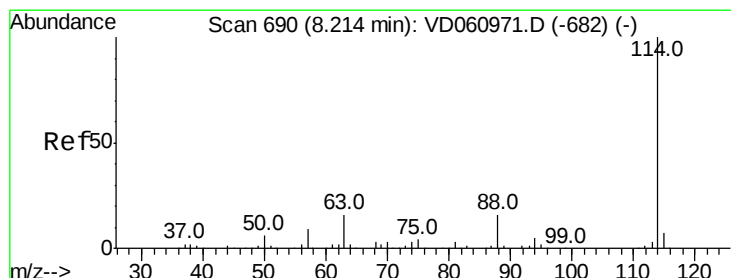
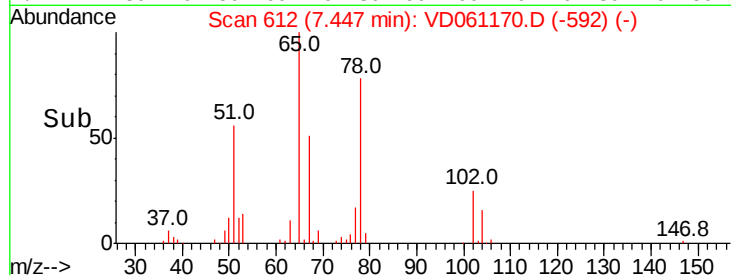
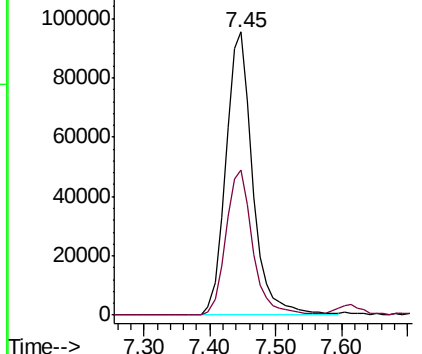
65 100

67 51.2 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD061170.D

Acq: 19 Mar 2019 4:34

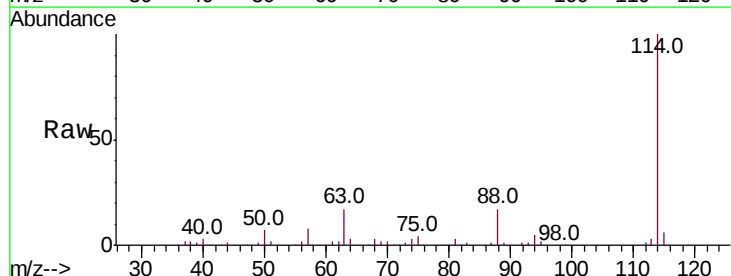
Tgt Ion:114 Resp: 1002646

Ion Ratio Lower Upper

114 100

63 16.8 0.0 31.4

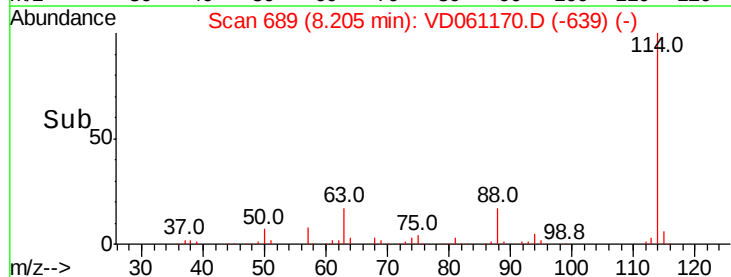
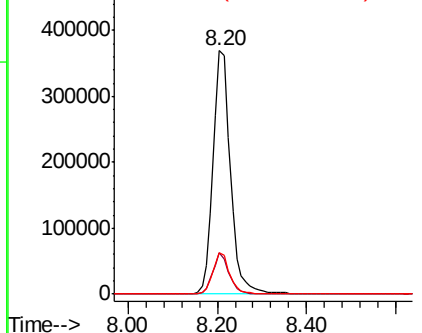
88 17.2 0.0 33.0

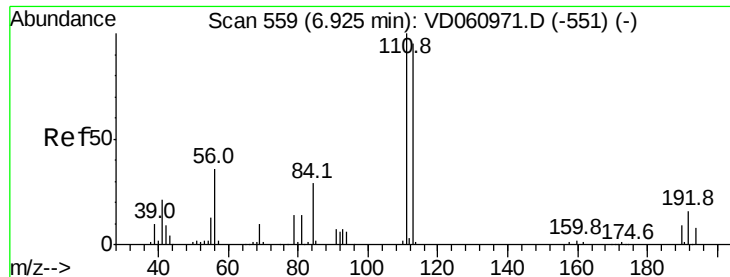


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD061170.D

Acq: 19 Mar 2019 4:34

Instrument :

MSVOA_D

ClientSampleId :

A1-2-H1(2.5-3)

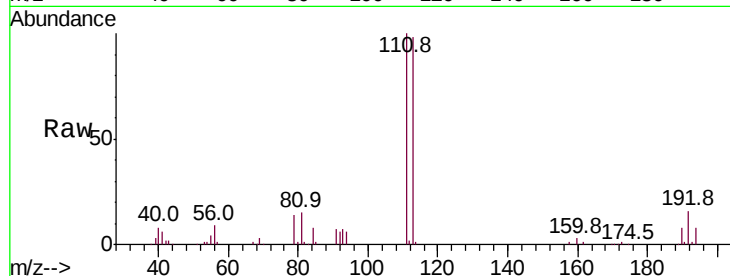
Tot Ion:113 Resp: 426431

Ion Ratio Lower Upper

113 100

111 102.5 84.2 126.4

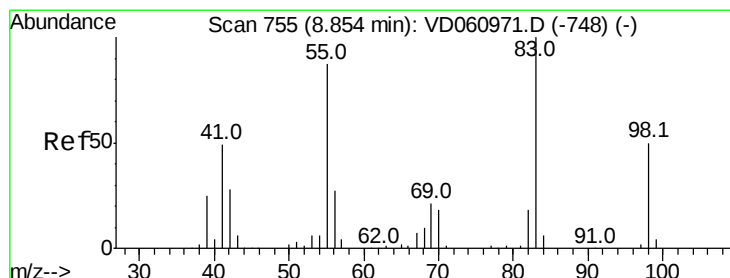
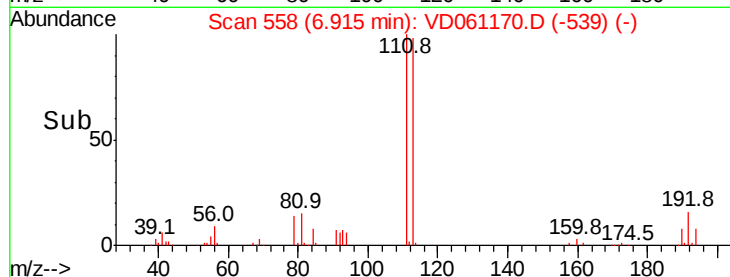
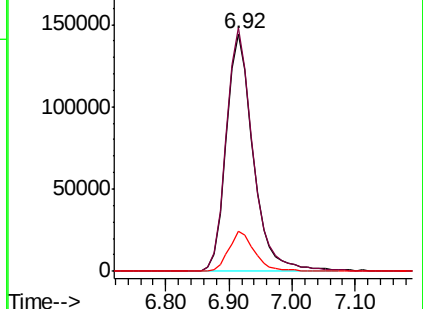
192 16.6 13.1 19.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#39

Methylcyclohexane

Concen: 17.438 ug/l

RT: 8.85 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD061170.D

Acq: 19 Mar 2019 4:34

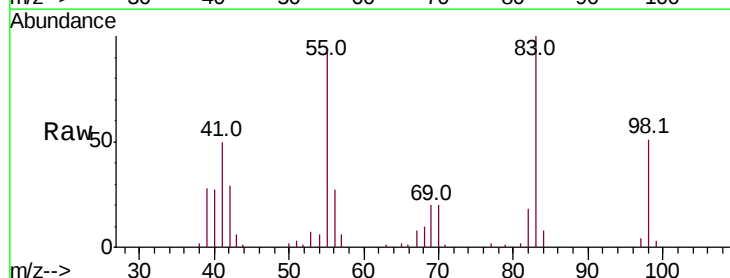
Tgt Ion: 83 Resp: 156272

Ion Ratio Lower Upper

83 100

55 91.6 69.6 104.4

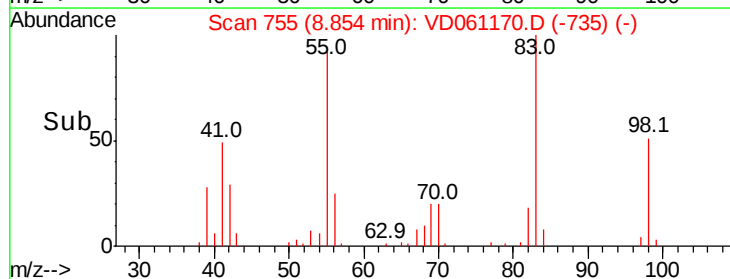
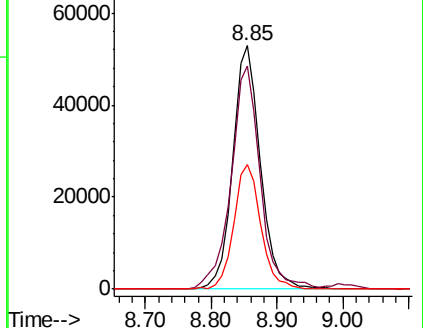
98 50.9 40.0 60.0

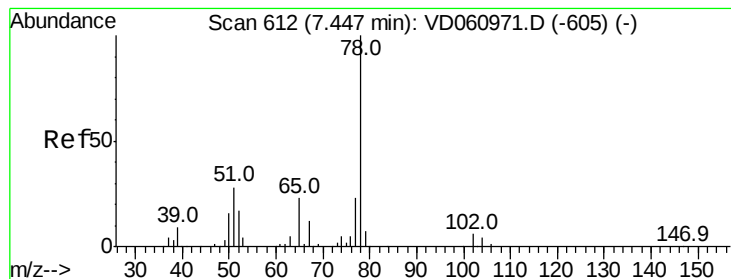


Abundance Ion 83.05 (82.75 to 83.75): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.05 (97.75 to 98.75): V





#40

Benzene

Concen: 9.614 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD061170.D

Acq: 19 Mar 2019 4:34

Instrument :

MSVOA_D

ClientSampleId :

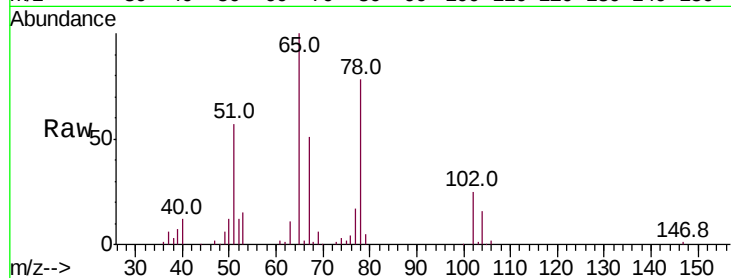
A1-2-H1(2.5-3)

Tot Ion: 78 Resp: 207617

Ion Ratio Lower Upper

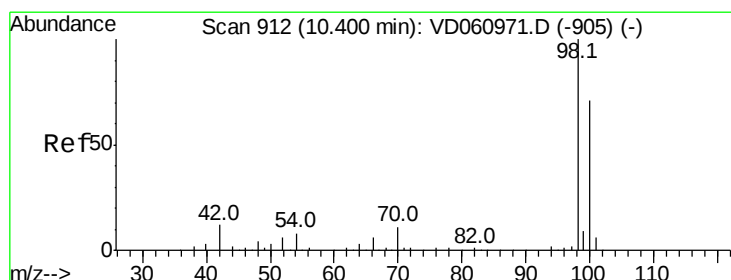
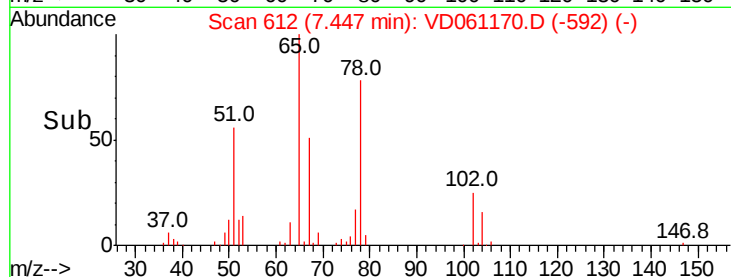
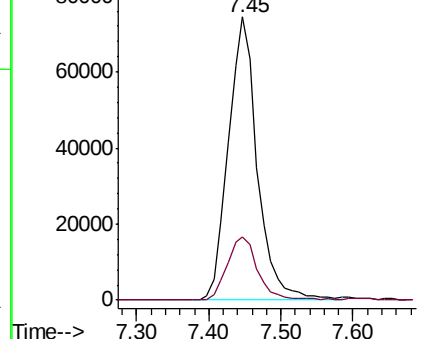
78 100

77 22.4 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD061170.D

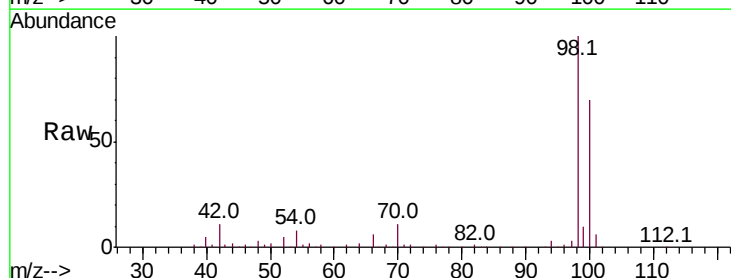
Acq: 19 Mar 2019 4:34

Tgt Ion: 98 Resp: 997714

Ion Ratio Lower Upper

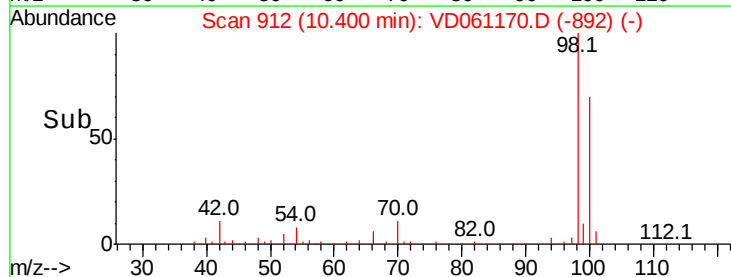
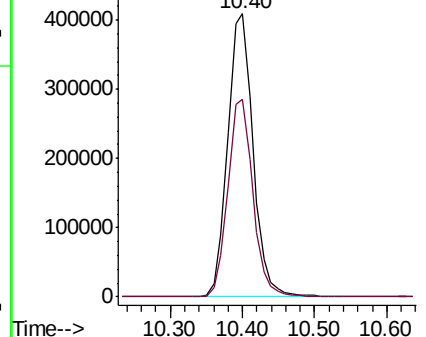
98 100

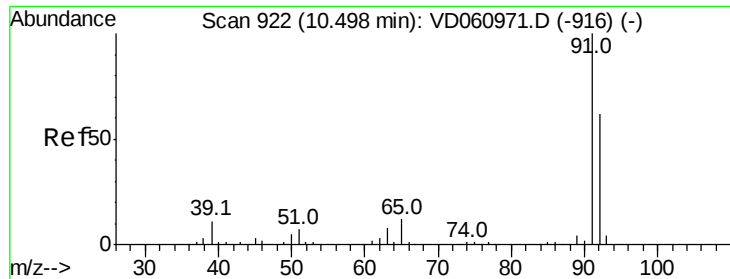
100 70.0 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#52

Toluene

Concen: 2.206 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.00 min

Lab File: VD061170.D

Acq: 19 Mar 2019 4:34

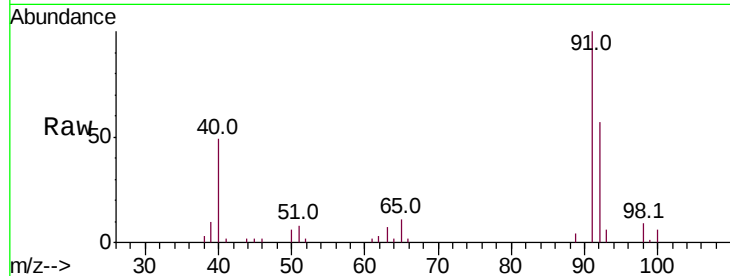
Instrument :
MSVOA_D
ClientSampleId :
A1-2-H1(2.5-3)

Tot Ion: 92 Resp: 29622

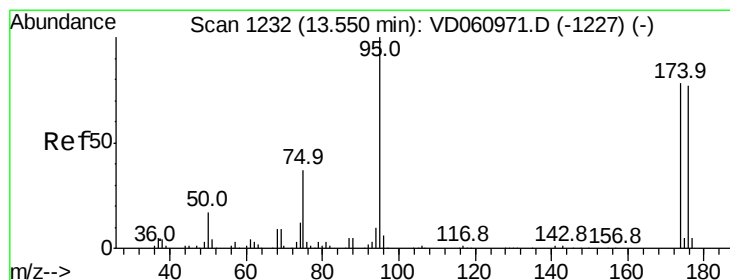
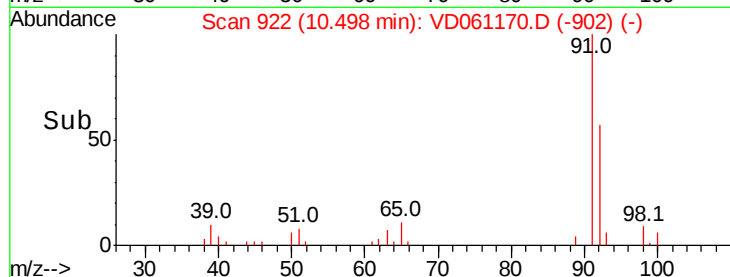
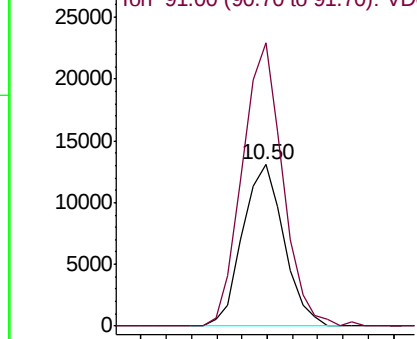
Ion Ratio Lower Upper

92 100

91 175.5 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061170.D

Acq: 19 Mar 2019 4:34

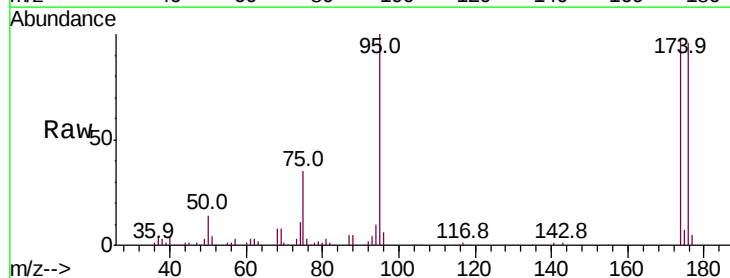
Tgt Ion: 95 Resp: 349767

Ion Ratio Lower Upper

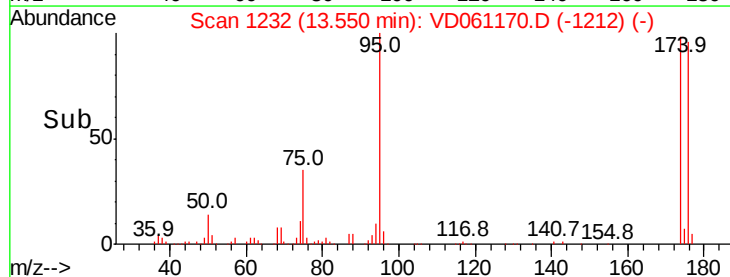
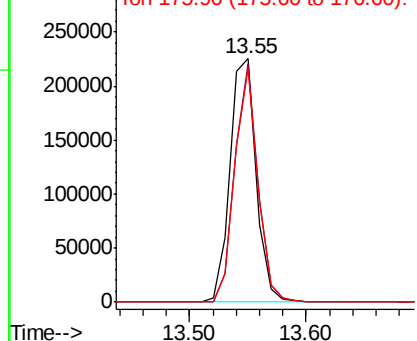
95 100

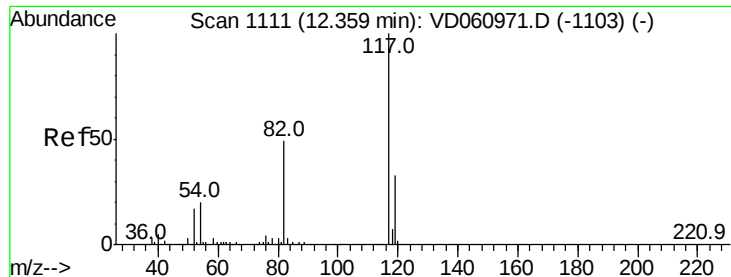
174 98.0 0.0 155.6

176 95.7 0.0 153.8



Abundance Ion 95.00 (94.70 to 95.70): VDC
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

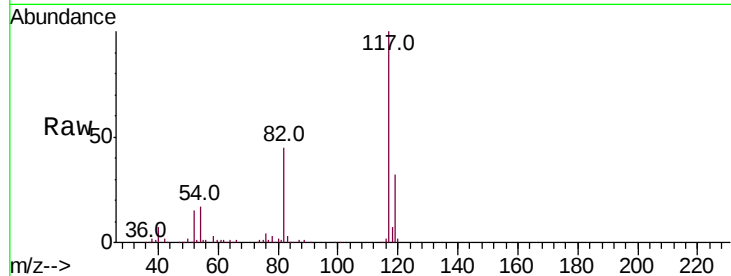




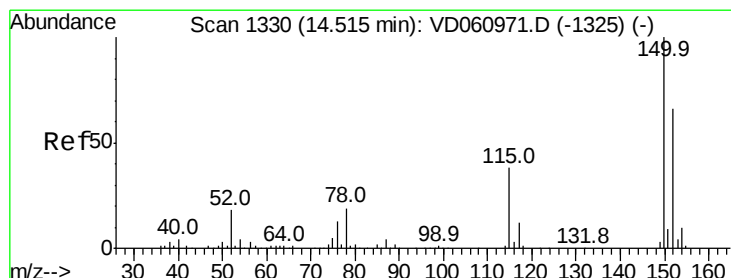
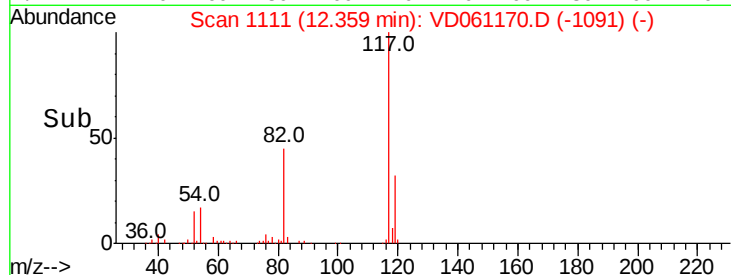
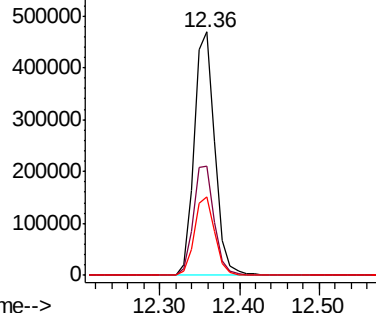
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061170.D
Acq: 19 Mar 2019 4:34

Instrument :
MSVOA_D
ClientSampleId :
A1-2-H1(2.5-3)

Tot Ion:117 Resp: 857110
Ion Ratio Lower Upper
117 100
82 44.7 38.9 58.3
119 32.3 26.6 39.8

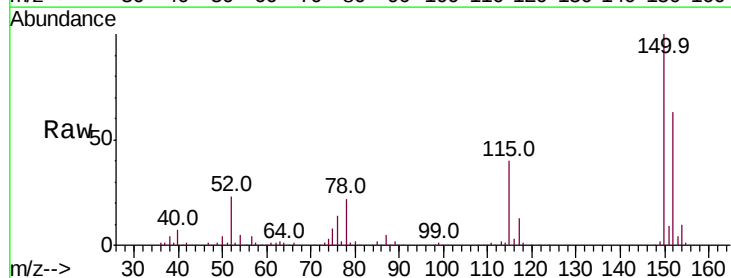


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD061170.D
Acq: 19 Mar 2019 4:34

Tgt Ion:152 Resp: 362343
Ion Ratio Lower Upper
152 100
115 63.4 28.6 85.9
150 159.0 0.0 310.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V

