

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF102618\
 Data File : VF060516.D
 Acq On : 26 Oct 2018 15:01
 Operator : VA/AP
 Sample : VF1026SBL01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1026SBL01

Quant Time: Oct 27 01:48:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102518S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 26 02:17:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	227331	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	360771	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	309419	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	195441	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	206671	45.74	ug/l	-0.02
Spiked Amount			Recovery	=	91.48%	
35) Dibromofluoromethane	4.27	113	208656	48.25	ug/l	-0.02
Spiked Amount			Recovery	=	96.50%	
50) Toluene-d8	7.70	98	379840	43.77	ug/l	0.00
Spiked Amount			Recovery	=	87.54%	
62) 4-Bromofluorobenzene	11.51	95	191209	39.56	ug/l	0.00
Spiked Amount			Recovery	=	79.12%	

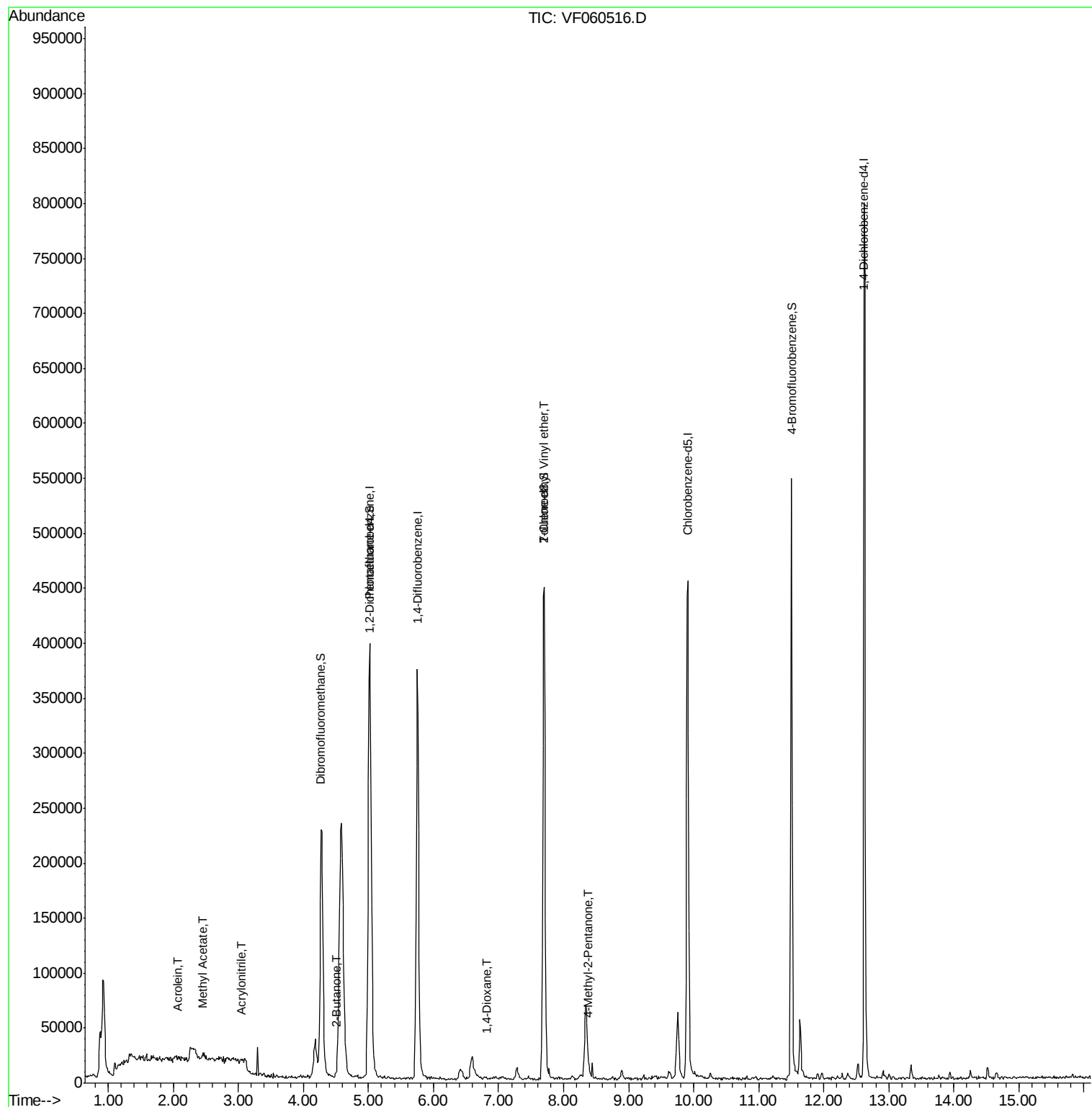
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	1255	Below Cal		82
11) Tert butyl alcohol	2.66	59	1721	Below Cal	#	54
13) Acrolein	2.08	56	1127	5.608	ug/l	91
15) Acrylonitrile	3.04	53	1327	3.648	ug/l #	52
16) Acetone	2.38	43	1003	Below Cal		99
18) Methyl Acetate	2.45	43	1518	1.023	ug/l	96
20) Methylene Chloride	2.26	84	4211	Below Cal	#	68
25) 2-Butanone	4.50	43	1685	2.100	ug/l	95
29) Tetrahydrofuran	4.28	42	501	Below Cal	#	36
37) Ethyl Acetate	4.28	43	1053	Below Cal	#	3
49) 1,4-Dioxane	6.83	88	69	5.773	ug/l #	1
51) 4-Methyl-2-Pentanone	8.39	43	4509	3.137	ug/l #	86
58) 2-Chloroethyl Vinyl ether	7.70	63	386	1.431	ug/l	100
59) 2-Hexanone	9.62	43	5313	Below Cal		73

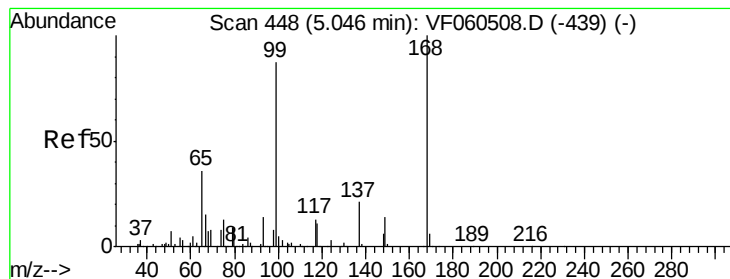
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00/5mL/MSVOA F/SOIL
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Quant Time: Oct 27 01:48:37 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F102518S.M
Quant Title : SW846 8260
QLast Update : Fri Oct 26 02:17:41 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 446

Delta R.T. -0.02 min

Lab File: VF060516.D

Acq: 26 Oct 2018 15:01

Instrument :

MSVOA_F

ClientSampleId :

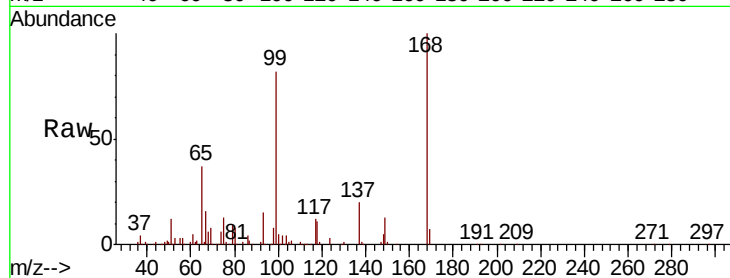
VF1026SBL01

Tot Ion:168 Resp: 227331

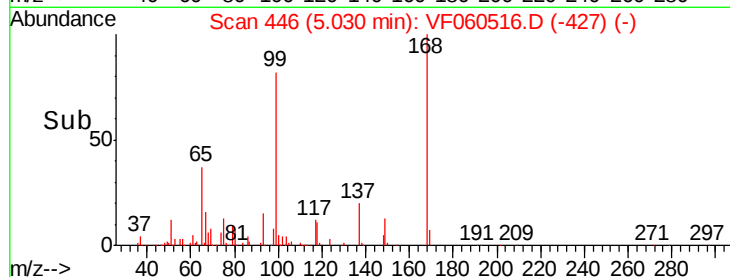
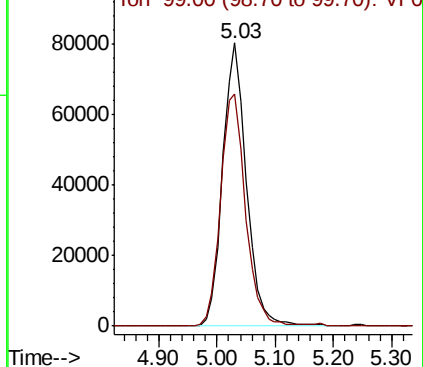
Ion Ratio Lower Upper

168 100

99 81.9 69.9 104.9



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.00 min Scan# 37

Delta R.T. 0.00 min

Lab File: VF060516.D

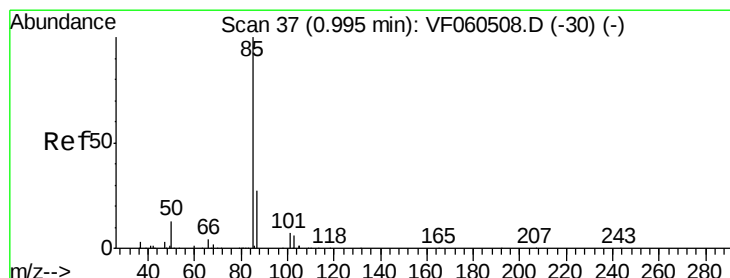
Acq: 26 Oct 2018 15:01

Tgt Ion: 85 Resp: 1255

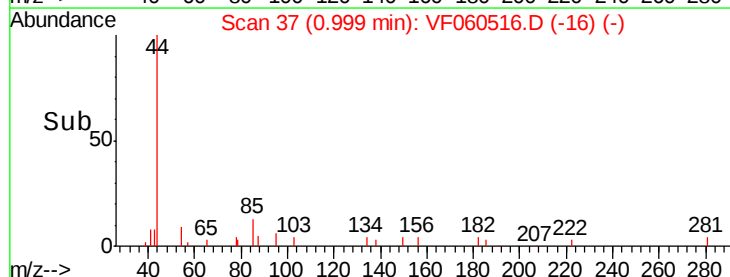
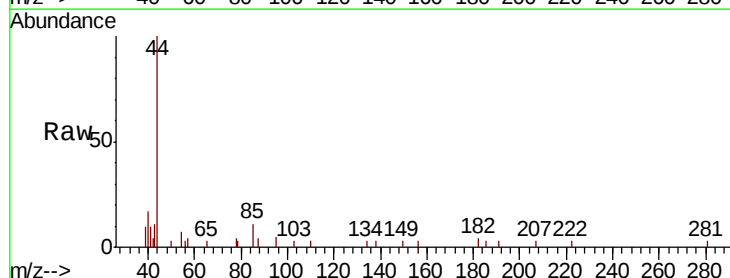
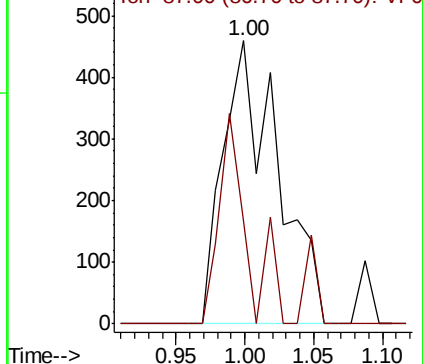
Ion Ratio Lower Upper

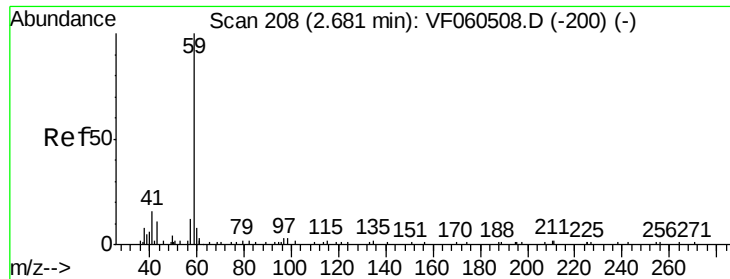
85 100

87 36.2 13.5 40.4



Abundance Ion 85.00 (84.70 to 85.70): VF0



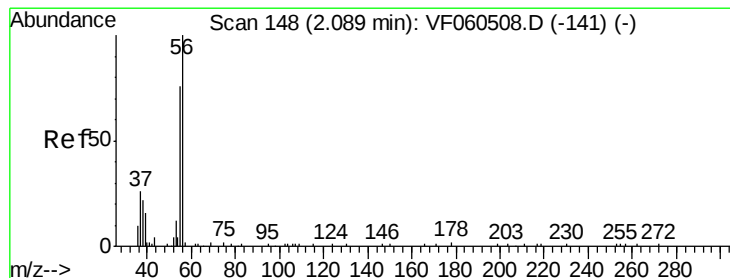
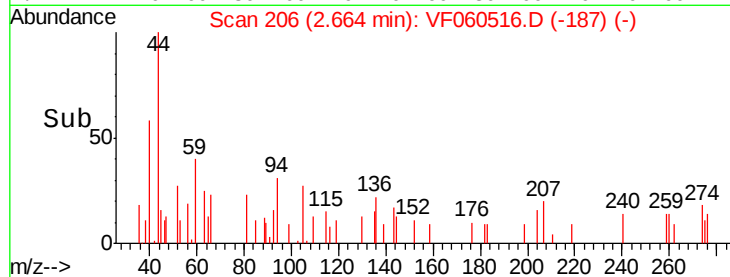
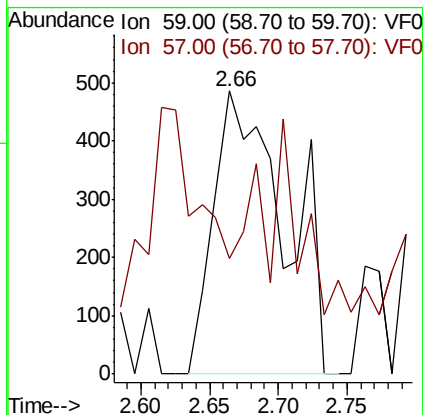
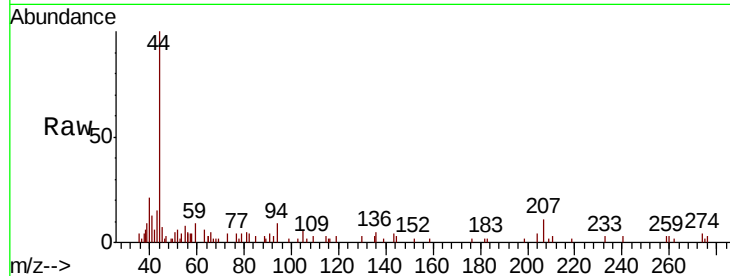


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.66 min Scan# 206
Delta R.T. -0.02 min
Lab File: VF060516.D
Acq: 26 Oct 2018 15:01

Instrument :
MSVOA_F
ClientSampleId :
VF1026SBL01

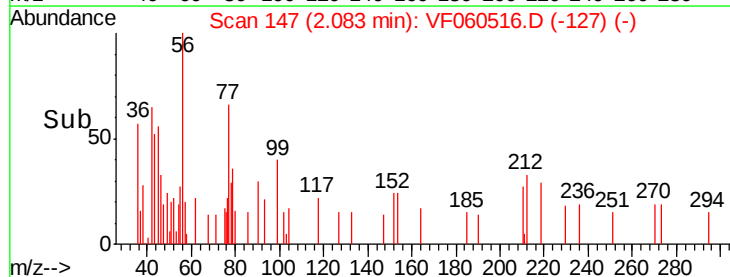
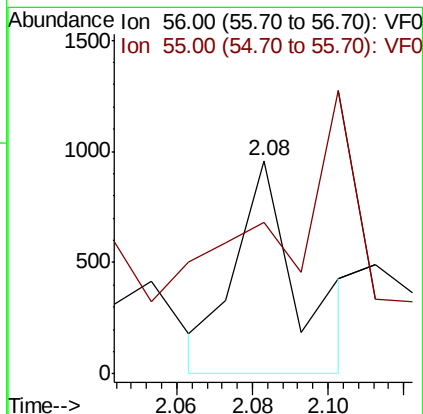
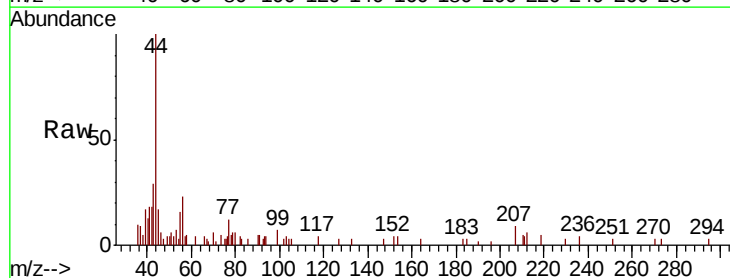
Tot Ion: 59 Resp: 1721
Ion Ratio Lower Upper
59 100
57 40.9 15.8 23.8#

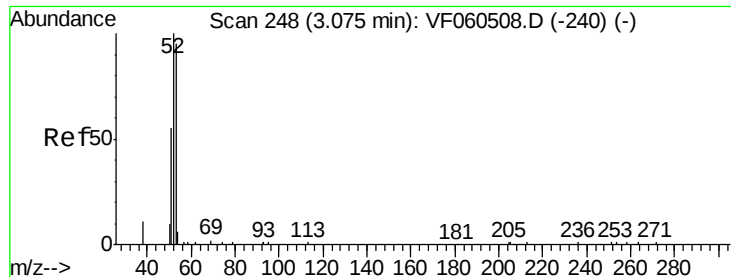


#13

Acrolein
Concen: 5.608 ug/l
RT: 2.08 min Scan# 147
Delta R.T. -0.01 min
Lab File: VF060516.D
Acq: 26 Oct 2018 15:01

Tgt Ion: 56 Resp: 1127
Ion Ratio Lower Upper
56 100
55 71.0 63.0 94.4





#15

Acrylonitrile

Concen: 3.648 ug/l

RT: 3.04 min Scan# 244

Delta R.T. -0.04 min

Lab File: VF060516.D

Acq: 26 Oct 2018 15:01

Instrument :

MSVOA_F

ClientSampleId :

VF1026SBL01

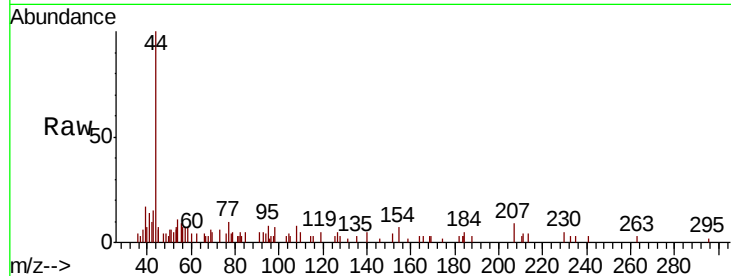
Tot Ion: 53 Resp: 1327

Ion Ratio Lower Upper

53 100

52 38.0 84.0 126.0#

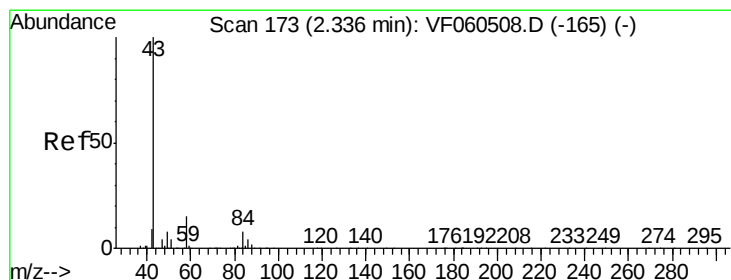
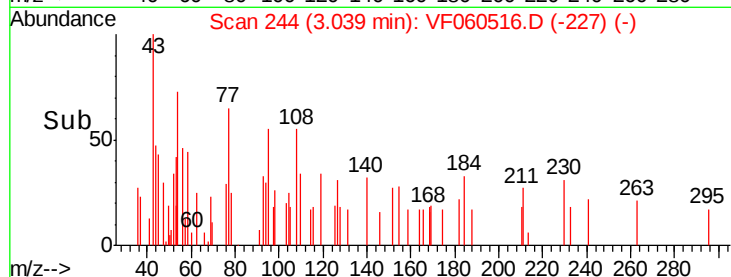
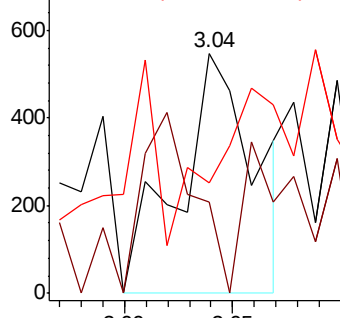
51 46.0 48.6 73.0#



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: Below Cal

RT: 2.38 min Scan# 177

Delta R.T. 0.04 min

Lab File: VF060516.D

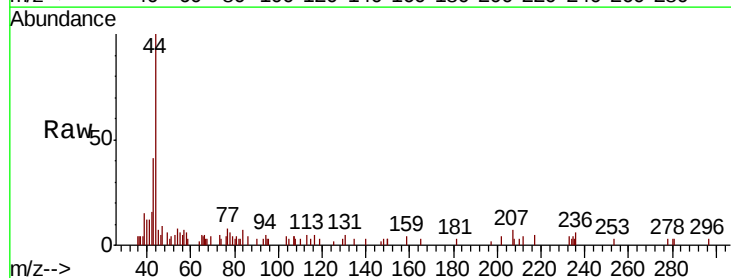
Acq: 26 Oct 2018 15:01

Tgt Ion: 43 Resp: 1003

Ion Ratio Lower Upper

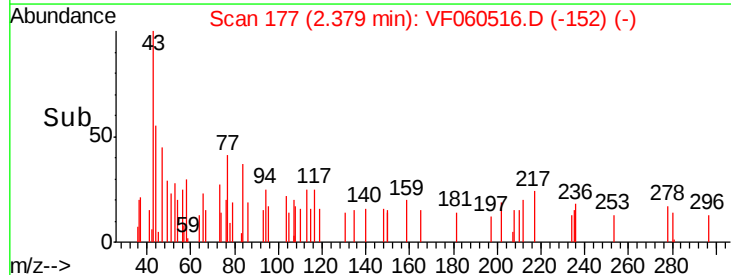
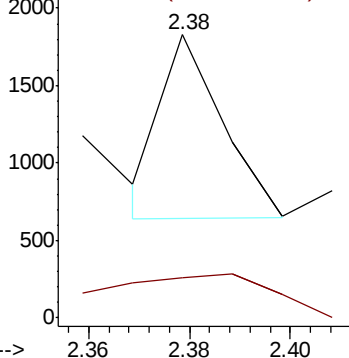
43 100

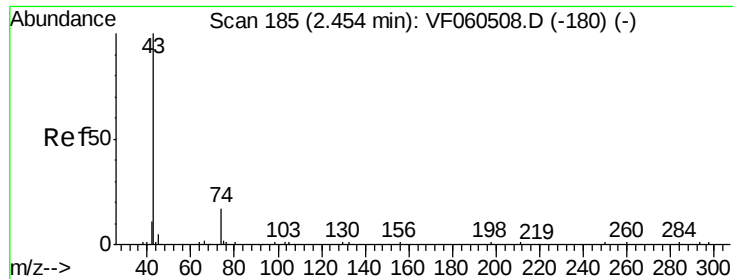
58 14.1 11.7 17.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

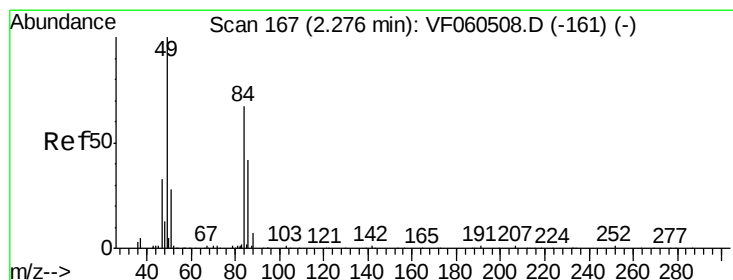
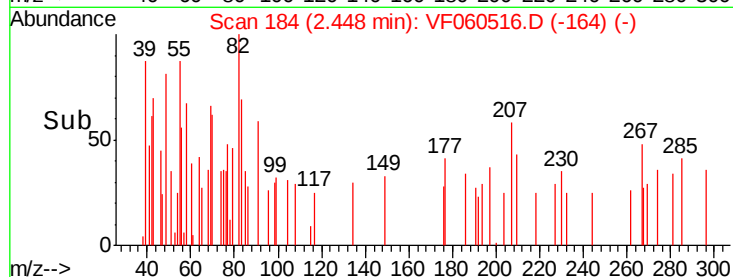
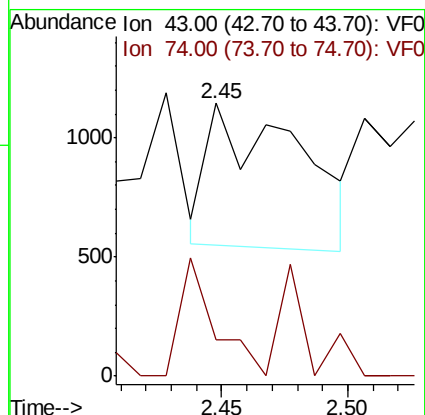
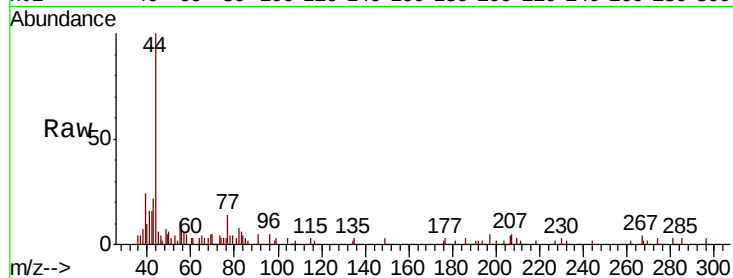




#18
Methyl Acetate
Concen: 1.023 ug/l
RT: 2.45 min Scan# 184
Delta R.T. -0.01 min
Lab File: VF060516.D
Acq: 26 Oct 2018 15:01

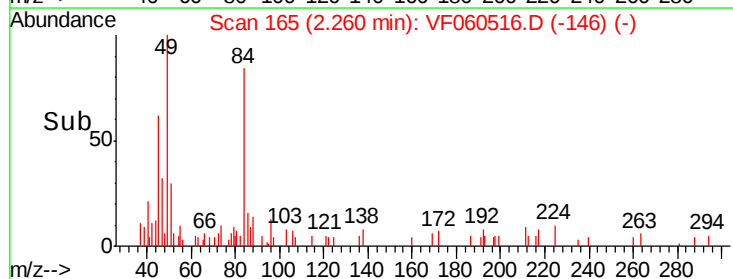
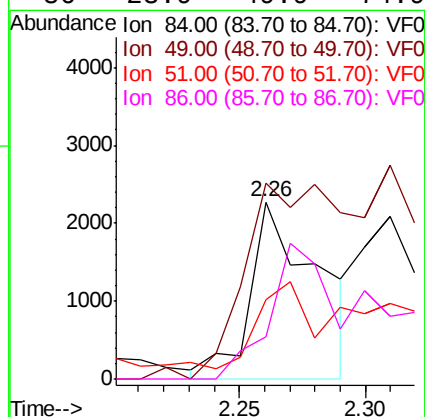
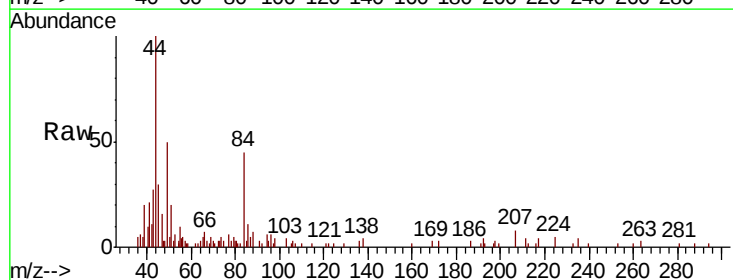
Instrument :
MSVOA_F
ClientSampleId :
VF1026SBL01

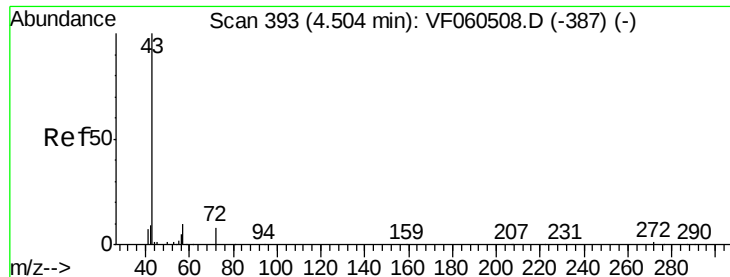
Tot Ion: 43 Resp: 1518
Ion Ratio Lower Upper
43 100
74 13.4 12.1 18.1



#20
Methylene Chloride
Concen: Below Cal
RT: 2.26 min Scan# 165
Delta R.T. -0.02 min
Lab File: VF060516.D
Acq: 26 Oct 2018 15:01

Tgt Ion: 84 Resp: 4211
Ion Ratio Lower Upper
84 100
49 110.9 123.1 184.7#
51 44.6 35.3 52.9
86 23.9 49.9 74.9#





#25

2-Butanone

Concen: 2.100 ug/l

RT: 4.50 min Scan# 392

Delta R.T. -0.01 min

Lab File: VF060516.D

Acq: 26 Oct 2018 15:01

Instrument :

MSVOA_F

ClientSampleId :

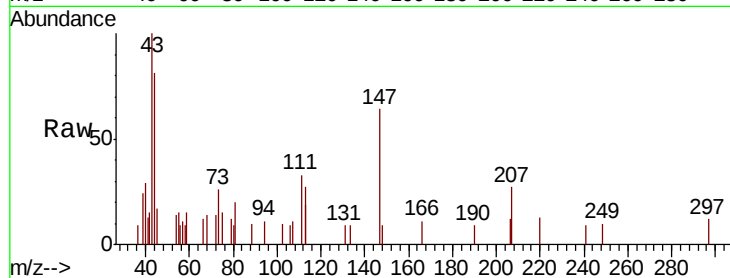
VF1026SBL01

Tot Ion: 43 Resp: 1685

Ion Ratio Lower Upper

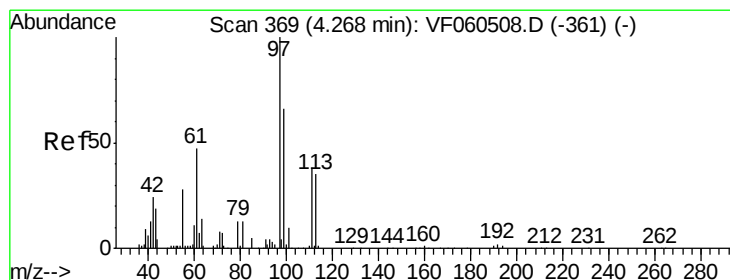
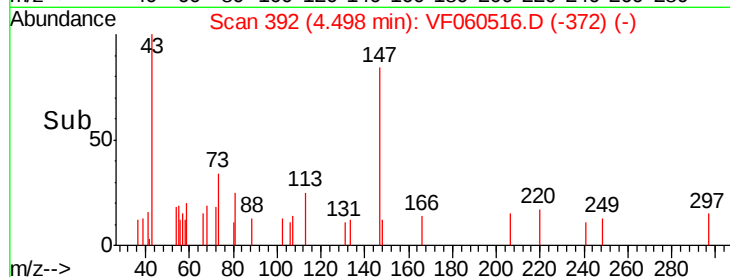
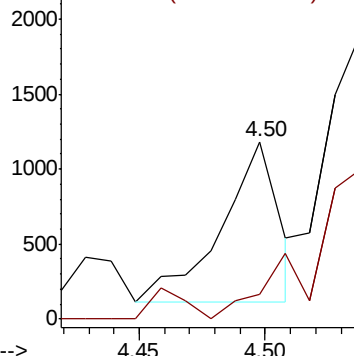
43 100

72 14.0 13.0 19.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.28 min Scan# 370

Delta R.T. 0.01 min

Lab File: VF060516.D

Acq: 26 Oct 2018 15:01

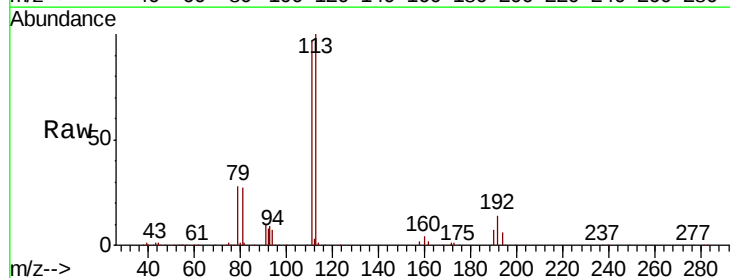
Tgt Ion: 42 Resp: 501

Ion Ratio Lower Upper

42 100

72 0.0 32.1 48.1#

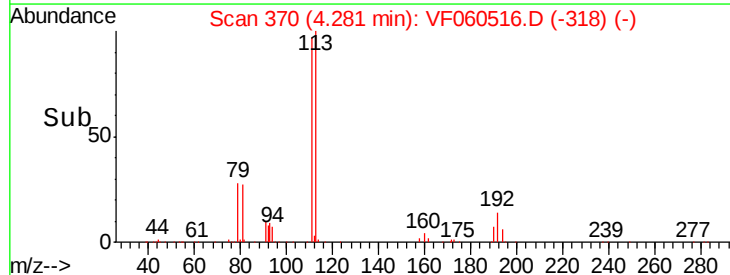
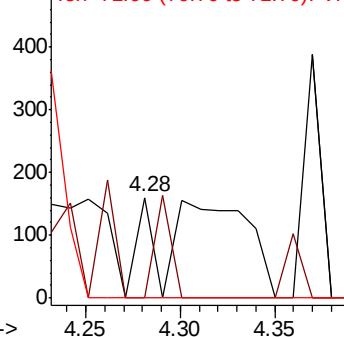
71 0.0 29.7 44.5#

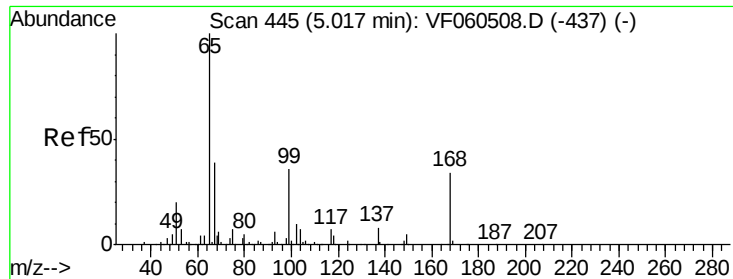


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 45.741 ug/l

RT: 5.00 min Scan# 443

Delta R.T. -0.02 min

Lab File: VF060516.D

Acq: 26 Oct 2018 15:01

Instrument :

MSVOA_F

ClientSampleId :

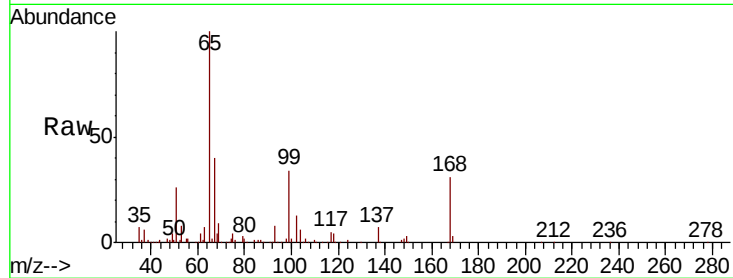
VF1026SBL01

Tot Ion: 65 Resp: 206671

Ion Ratio Lower Upper

65 100

67 39.7 0.0 85.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

80000

60000

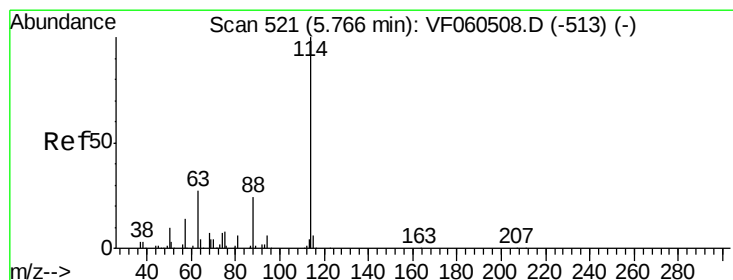
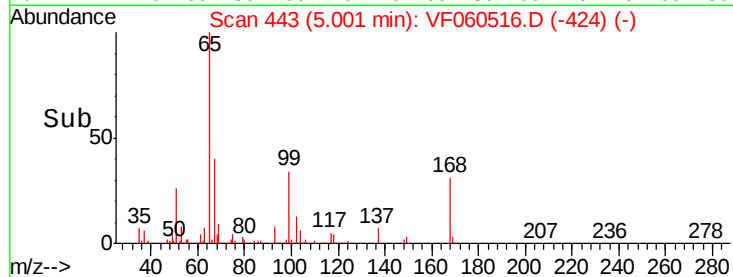
40000

20000

0

Time-->

4.90 5.00 5.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 519

Delta R.T. -0.02 min

Lab File: VF060516.D

Acq: 26 Oct 2018 15:01

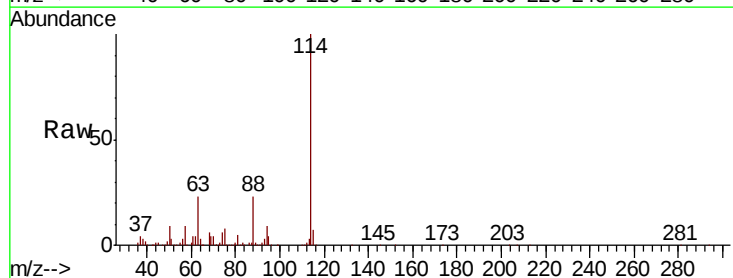
Tgt Ion: 114 Resp: 360771

Ion Ratio Lower Upper

114 100

63 22.6 0.0 54.4

88 22.9 0.0 47.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

150000

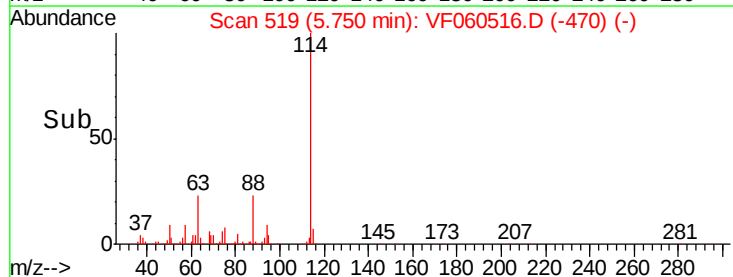
100000

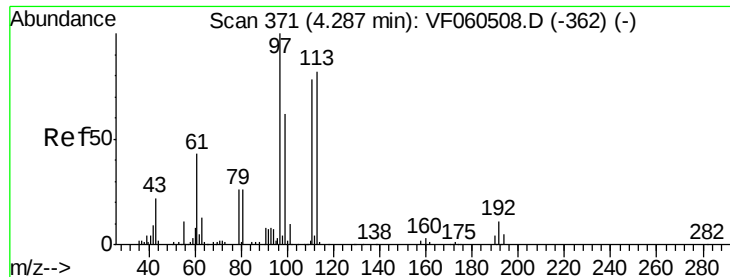
50000

0

Time-->

5.60 5.70 5.80 5.90 6.00

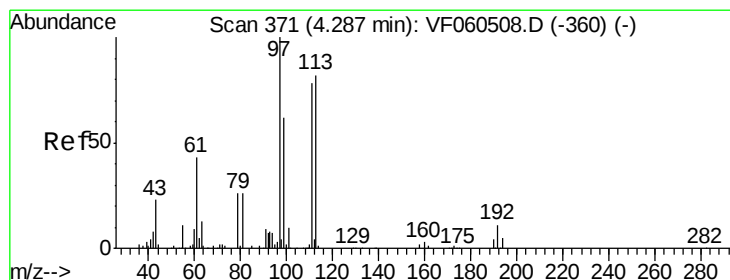
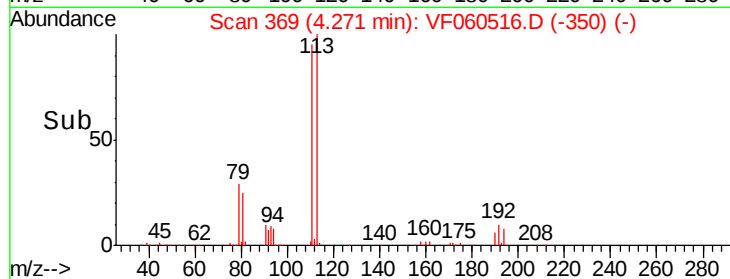
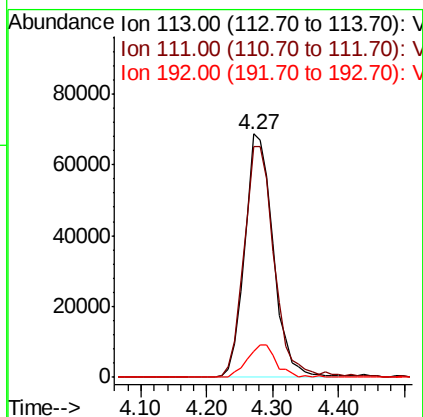
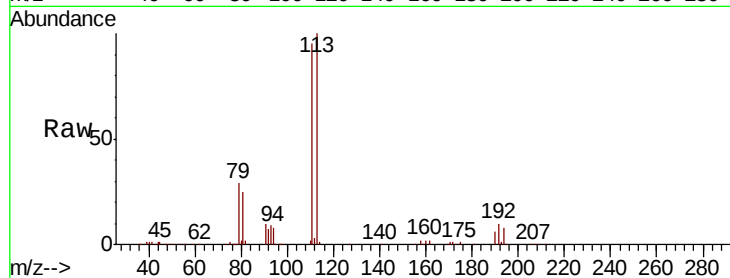




#35
 Dibromofluoromethane
 Concen: 48.250 ug/l
 RT: 4.27 min Scan# 369
 Delta R.T. -0.02 min
 Lab File: VF060516.D
 Acq: 26 Oct 2018 15:01

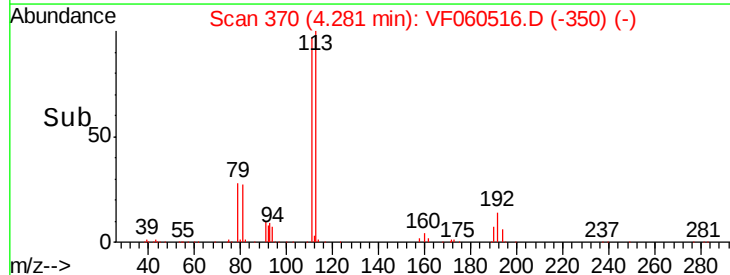
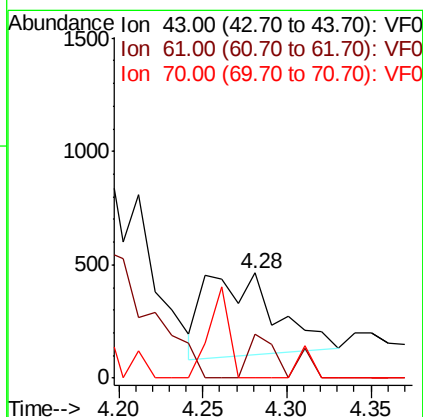
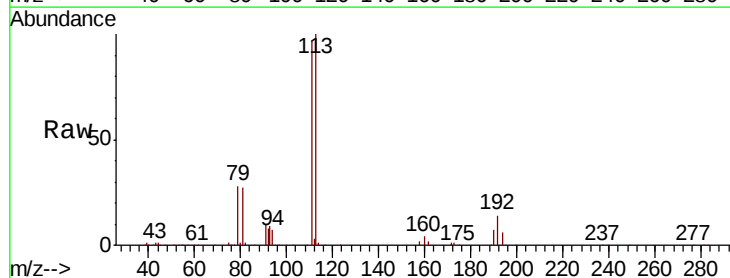
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1026SBL01

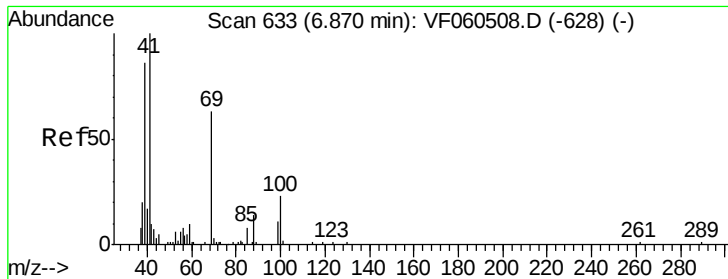
Tot Ion	Ratio	Lower	Upper
113	100		
111	94.1	75.9	113.9
192	10.6	10.6	15.8#



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 4.28 min Scan# 370
 Delta R.T. -0.01 min
 Lab File: VF060516.D
 Acq: 26 Oct 2018 15:01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	41.7	148.5	222.7#
70	0.0	4.7	7.1#





#49

1,4-Dioxane

Concen: 5.773 ug/l

RT: 6.83 min Scan# 629

Delta R.T. -0.04 min

Lab File: VF060516.D

Acq: 26 Oct 2018 15:01

Instrument :

MSVOA_F

ClientSampleId :

VF1026SBL01

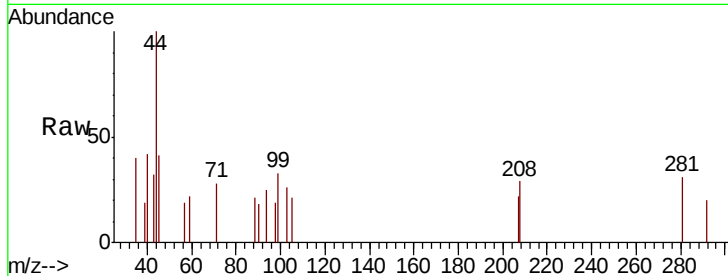
Tot Ion: 88 Resp: 69

Ion Ratio Lower Upper

88 100

43 149.6 39.3 58.9#

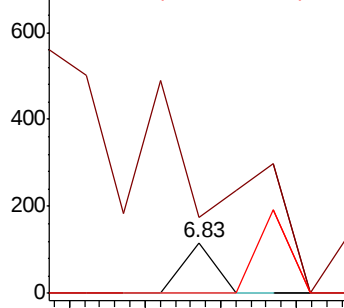
58 0.0 35.0 52.6#



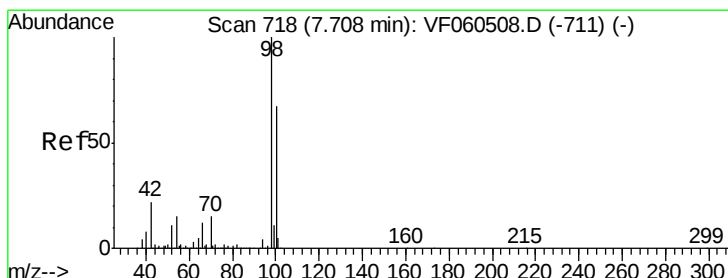
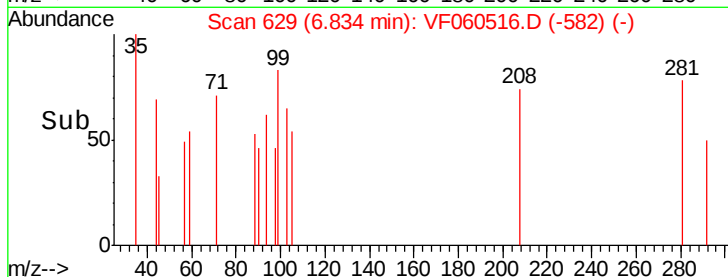
Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->



#50

Toluene-d8

Concen: 43.768 ug/l

RT: 7.70 min Scan# 717

Delta R.T. -0.01 min

Lab File: VF060516.D

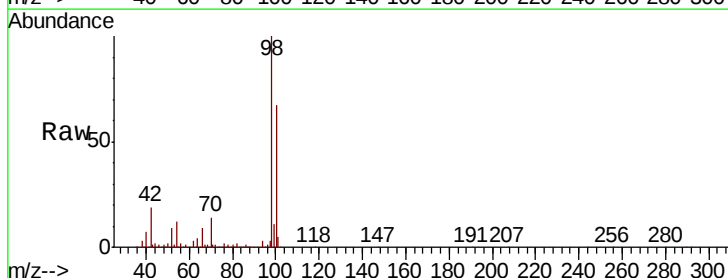
Acq: 26 Oct 2018 15:01

Tgt Ion: 98 Resp: 379840

Ion Ratio Lower Upper

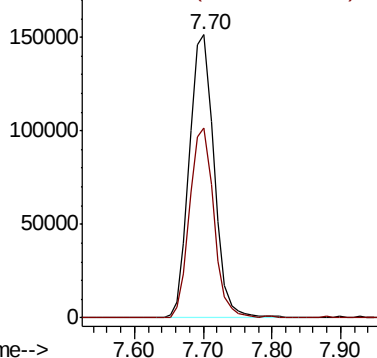
98 100

100 67.3 53.4 80.0

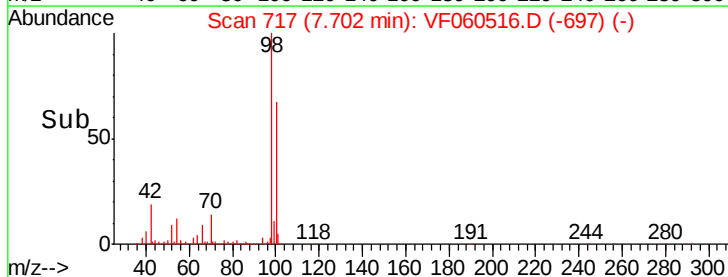


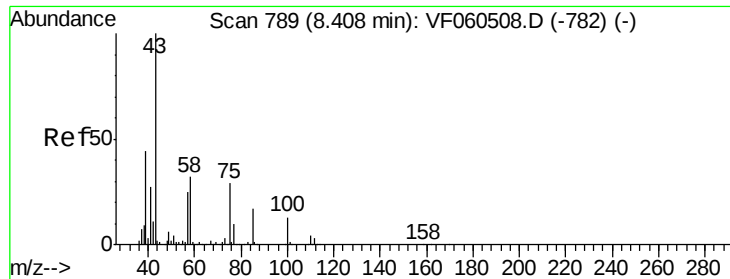
Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



Time-->





#51

4-Methyl-2-Pentanone

Concen: 3.137 ug/l

RT: 8.39 min Scan# 787

Delta R.T. -0.02 min

Lab File: VF060516.D

Acq: 26 Oct 2018 15:01

Instrument :

MSVOA_F

ClientSampleId :

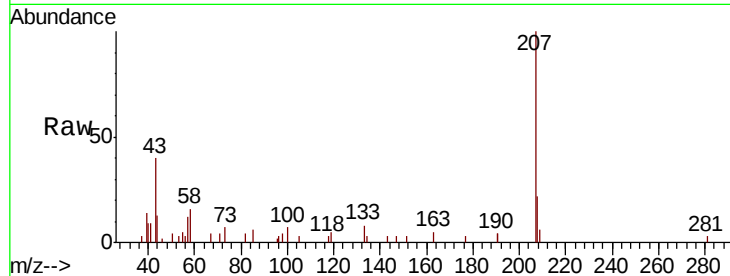
VF1026SBL01

Tot Ion: 43 Resp: 4509

Ion Ratio Lower Upper

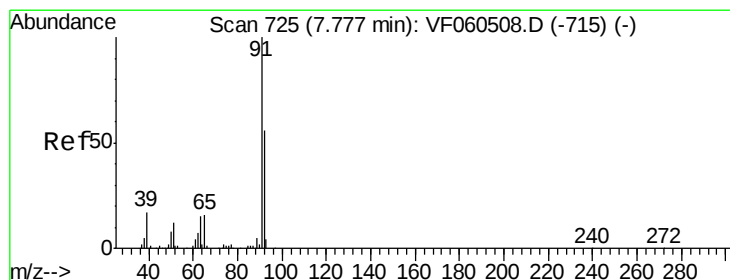
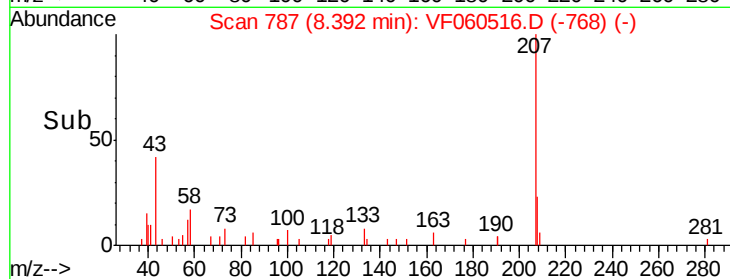
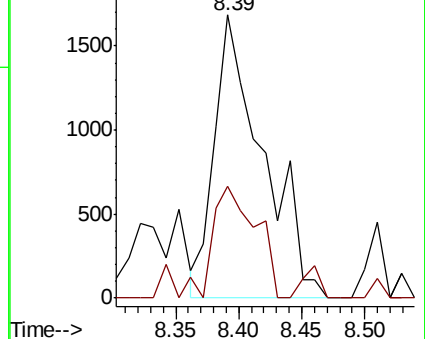
43 100

58 39.6 25.4 38.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 1.431 ug/l

RT: 7.70 min Scan# 717

Delta R.T. -0.08 min

Lab File: VF060516.D

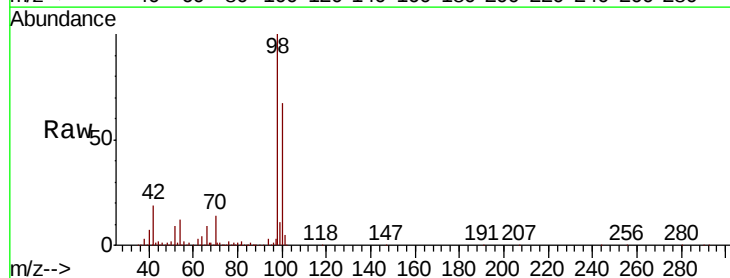
Acq: 26 Oct 2018 15:01

Tgt Ion: 63 Resp: 386

Ion Ratio Lower Upper

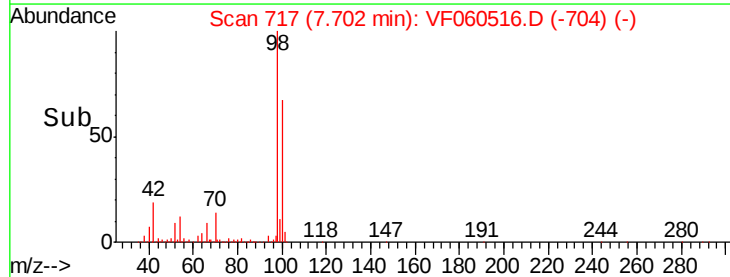
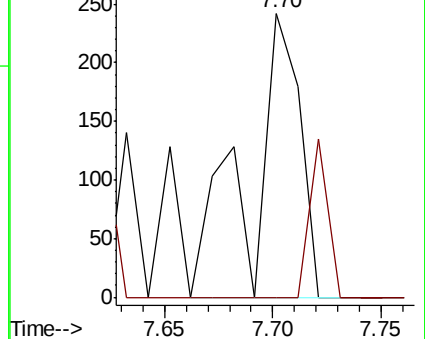
63 100

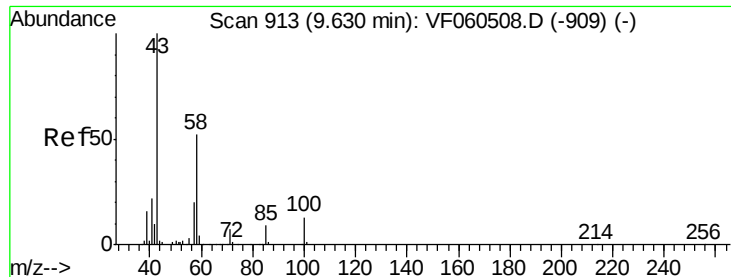
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

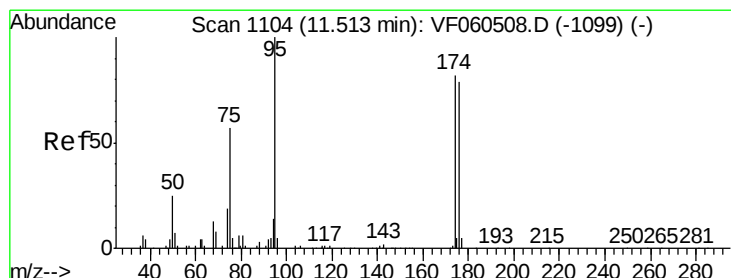
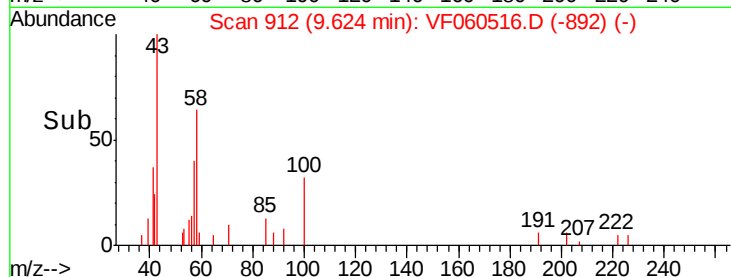
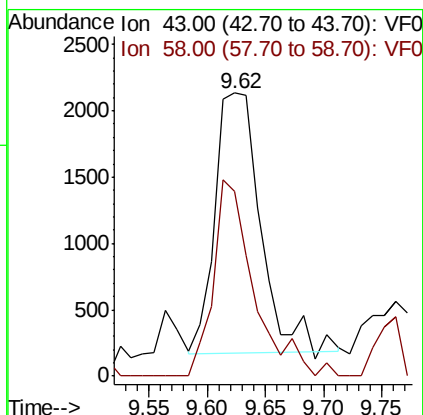
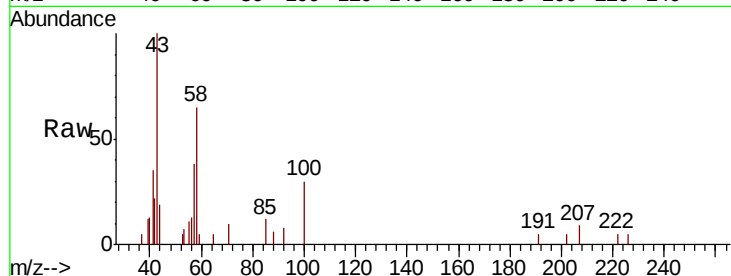




#59
2-Hexanone
Concen: Below Cal
RT: 9.62 min Scan# 912
Delta R.T. -0.01 min
Lab File: VF060516.D
Acq: 26 Oct 2018 15:01

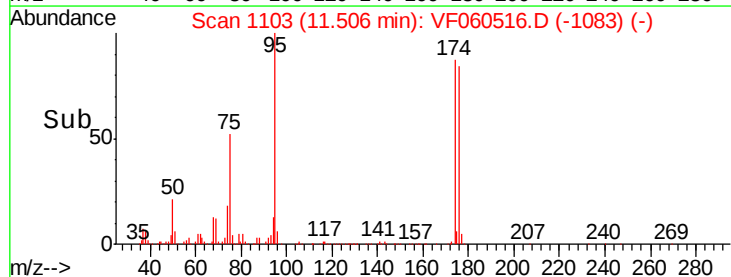
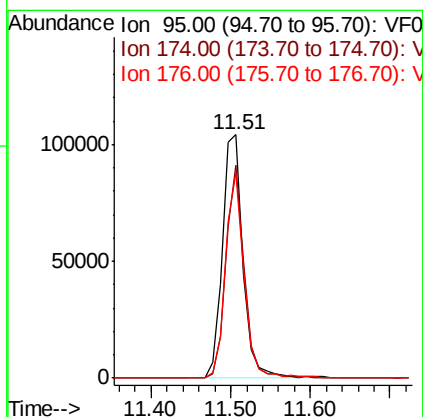
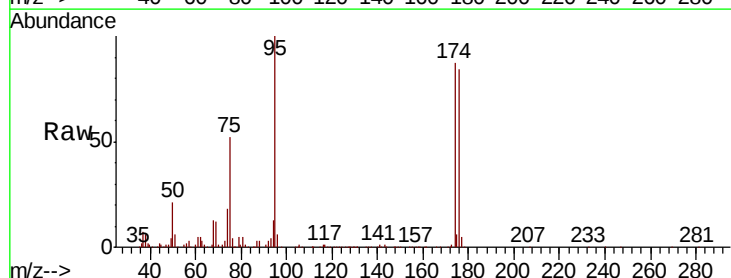
Instrument :
MSVOA_F
ClientSampleId :
VF1026SBL01

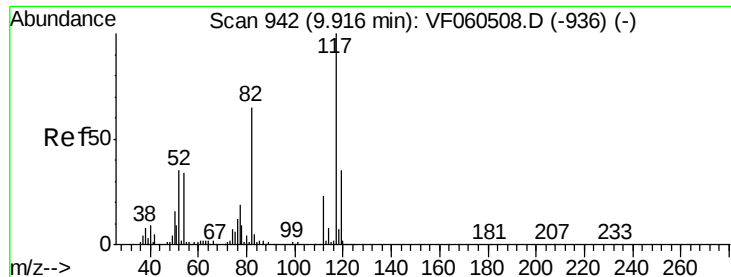
Tot Ion: 43 Resp: 5313
Ion Ratio Lower Upper
43 100
58 65.3 23.5 70.5



#62
4-Bromofluorobenzene
Concen: 39.558 ug/l
RT: 11.51 min Scan# 1103
Delta R.T. -0.01 min
Lab File: VF060516.D
Acq: 26 Oct 2018 15:01

Tgt Ion: 95 Resp: 191209
Ion Ratio Lower Upper
95 100
174 87.2 0.0 164.2
176 84.2 0.0 158.4

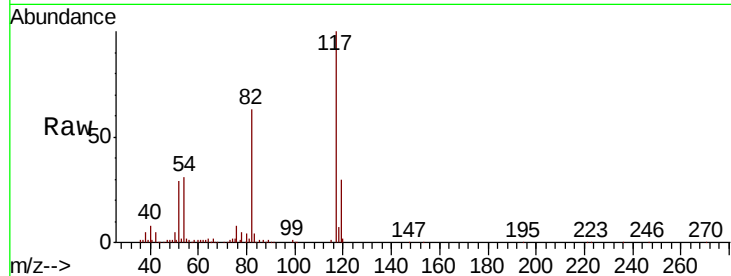




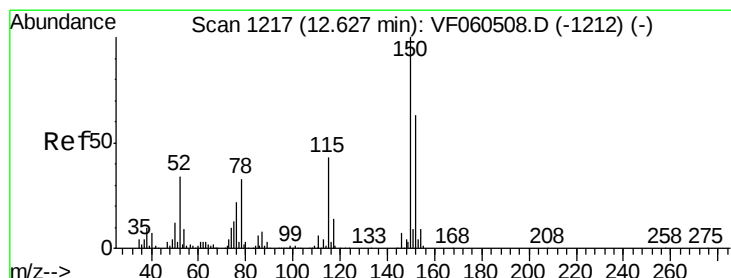
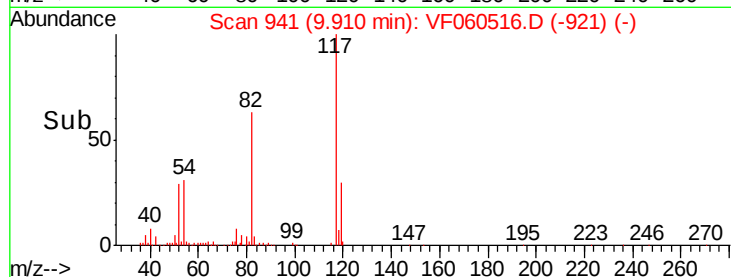
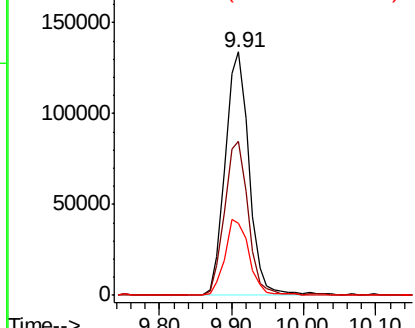
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.01 min
Lab File: VF060516.D
Acq: 26 Oct 2018 15:01

Instrument :
MSVOA_F
ClientSampleId :
VF1026SBL01

Tot Ion:117 Resp: 309419
Ion Ratio Lower Upper
117 100
82 63.2 51.7 77.5
119 29.8 28.3 42.5

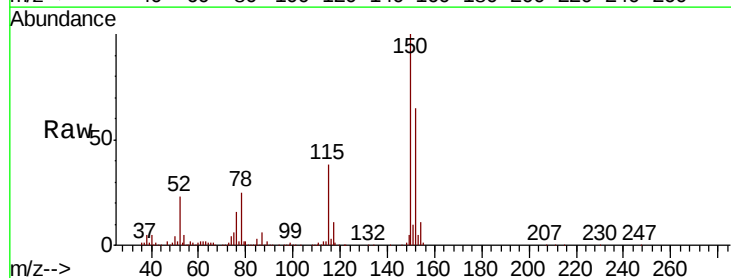


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1217
Delta R.T. 0.00 min
Lab File: VF060516.D
Acq: 26 Oct 2018 15:01

Tgt Ion:152 Resp: 195441
Ion Ratio Lower Upper
152 100
115 59.6 34.6 103.9
150 154.9 0.0 319.8



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V

