

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF020819\
 Data File : VF061565.D
 Acq On : 8 Feb 2019 18:45
 Operator : VA/AP
 Sample : K1442-03
 Misc : 5.25g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VOC-12

Quant Time: Feb 09 04:32:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	181853	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	326561	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	279645	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	110032	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	92321	41.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.24%	
35) Dibromofluoromethane	4.10	113	100509	39.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	78.00%	
50) Toluene-d8	7.55	98	231244	32.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	65.50%	
62) 4-Bromofluorobenzene	11.40	95	102494	31.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	62.14%	

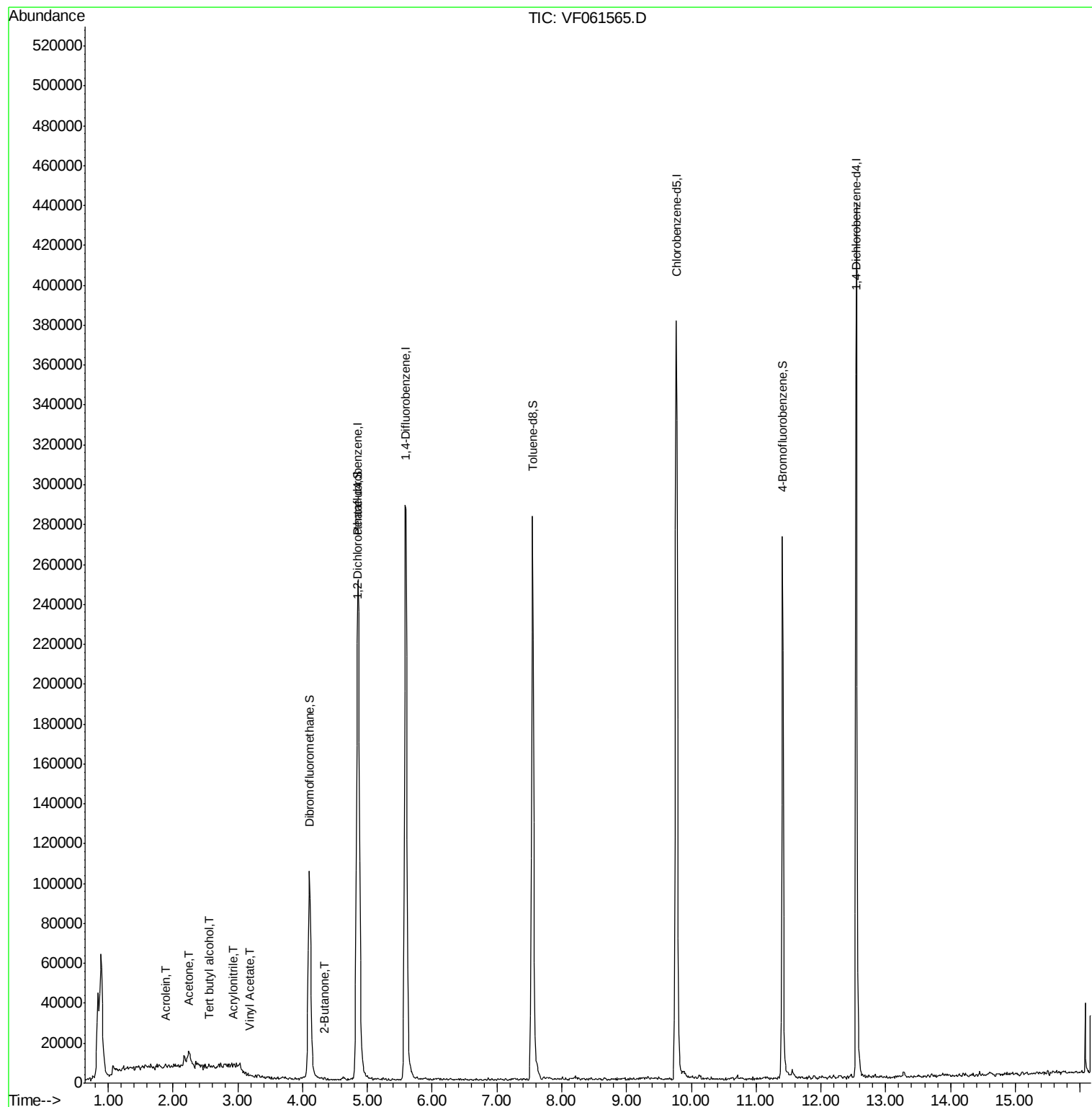
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.55	59	153	1.610	ug/l #	1
13) Acrolein	1.90	56	121	11.754	ug/l	87
14) Allyl chloride	2.08	41	30	Below Cal	#	78
15) Acrylonitrile	2.93	53	379	1.557	ug/l #	14
16) Acetone	2.23	43	11070	24.577	ug/l #	81
20) Methylene Chloride	2.17	84	1889	Below Cal	#	85
23) Vinyl Acetate	3.20	43	1409	3.743	ug/l #	78
25) 2-Butanone	4.33	43	988	1.319	ug/l #	57

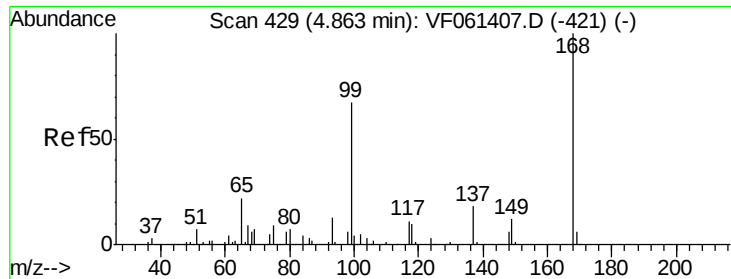
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. 0.00 min

Lab File: VF061565.D

Acq: 8 Feb 2019 18:45

Instrument :

MSVOA_F

ClientSampleId :

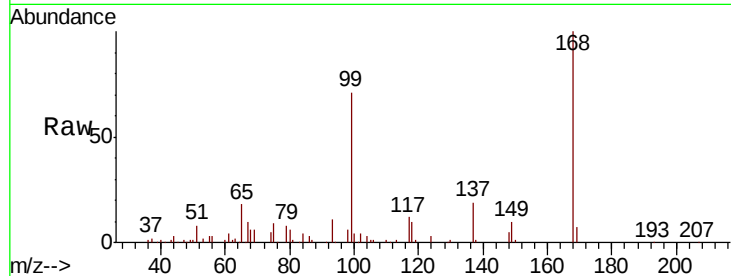
VOC-12

Tgt Ion:168 Resp: 181853

Ion Ratio Lower Upper

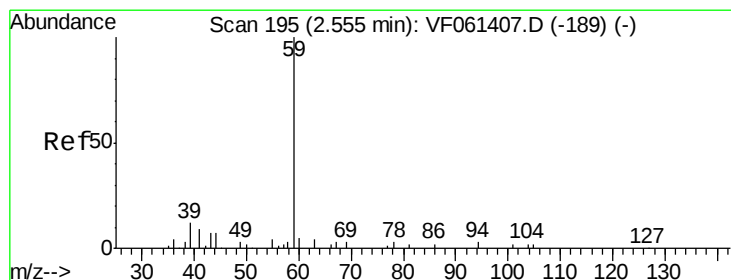
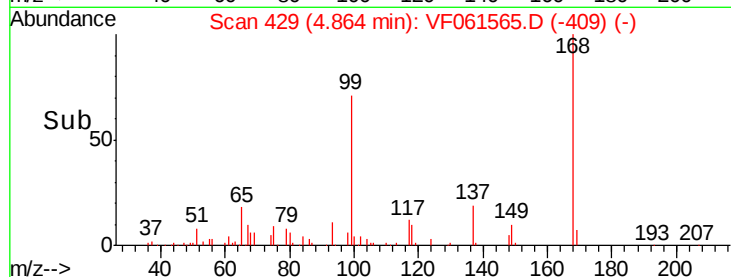
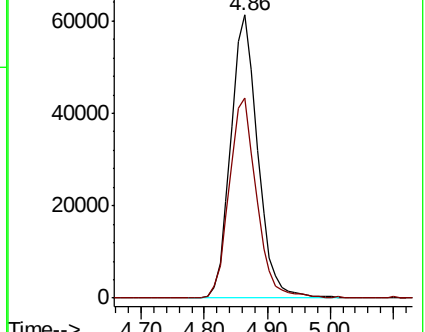
168 100

99 70.8 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#11

Tert butyl alcohol

Concen: 1.610 ug/l

RT: 2.55 min Scan# 194

Delta R.T. -0.01 min

Lab File: VF061565.D

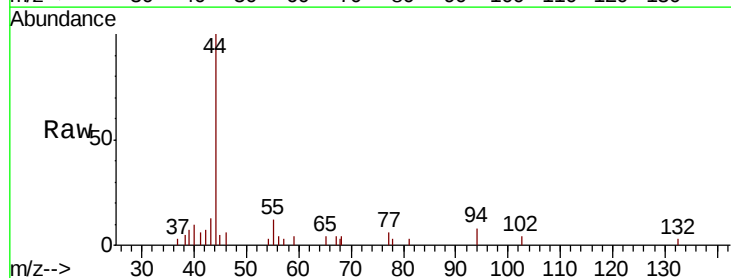
Acq: 8 Feb 2019 18:45

Tgt Ion: 59 Resp: 153

Ion Ratio Lower Upper

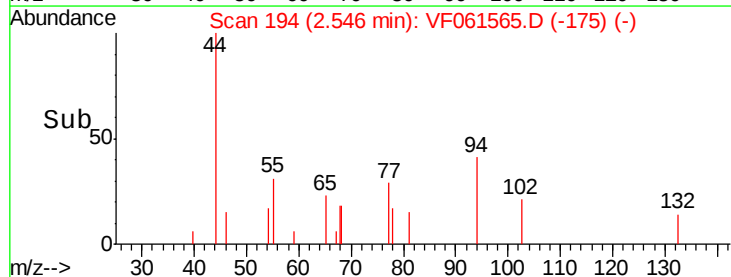
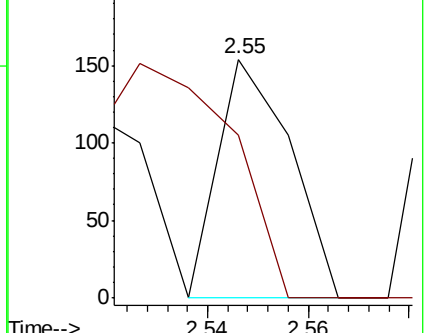
59 100

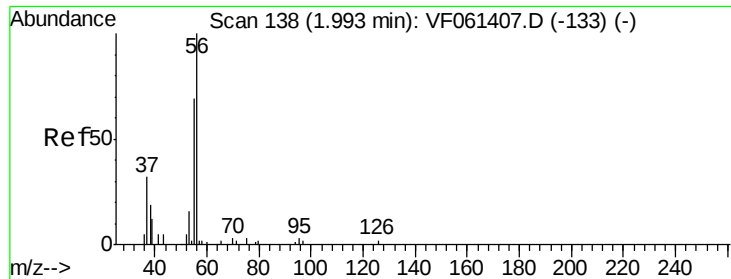
57 68.2 11.9 17.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#13

Acrolein

Concen: 11.754 ug/l

RT: 1.90 min Scan# 129

Delta R.T. -0.09 min

Lab File: VF061565.D

Acq: 8 Feb 2019 18:45

Instrument :

MSVOA_F

ClientSampled :

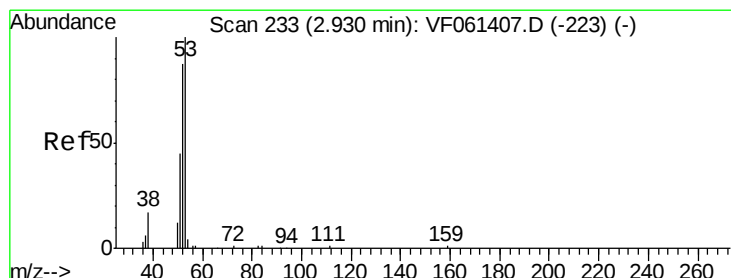
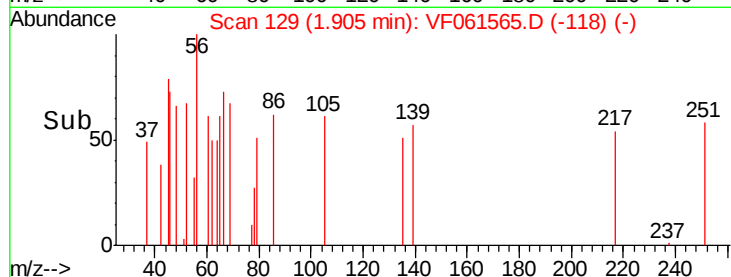
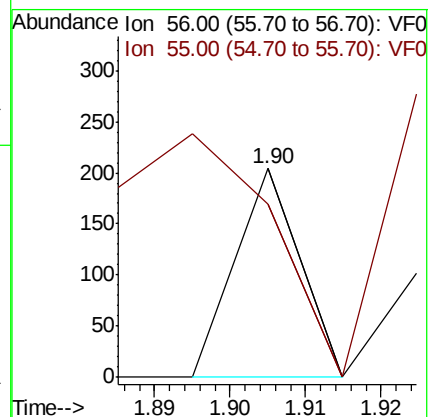
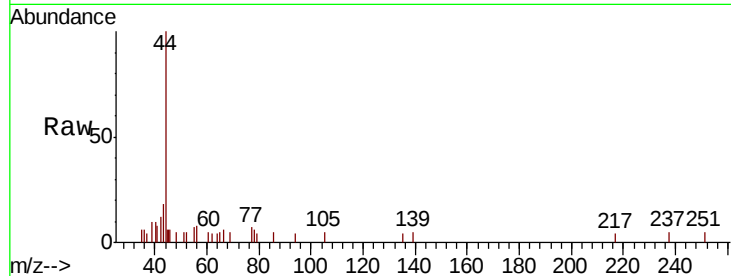
VOC-12

Tgt Ion: 56 Resp: 121

Ion Ratio Lower Upper

56 100

55 82.8 57.5 86.3



#15

Acrylonitrile

Concen: 1.557 ug/l

RT: 2.93 min Scan# 233

Delta R.T. 0.00 min

Lab File: VF061565.D

Acq: 8 Feb 2019 18:45

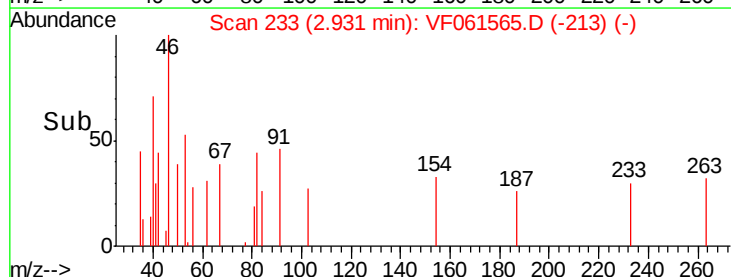
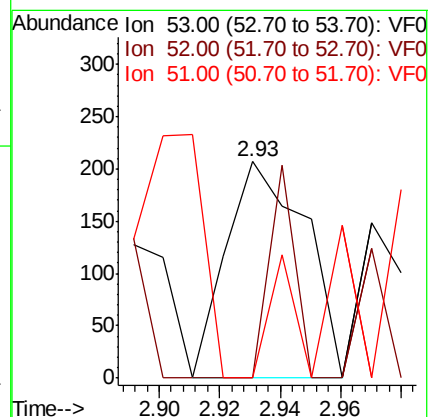
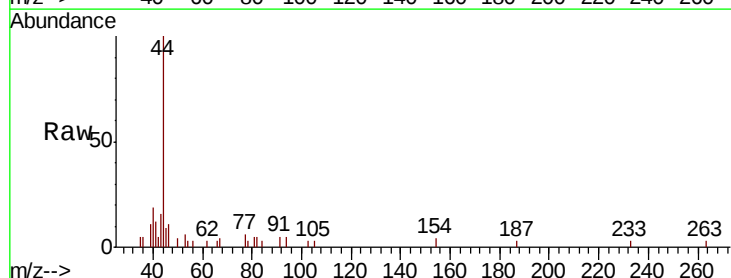
Tgt Ion: 53 Resp: 379

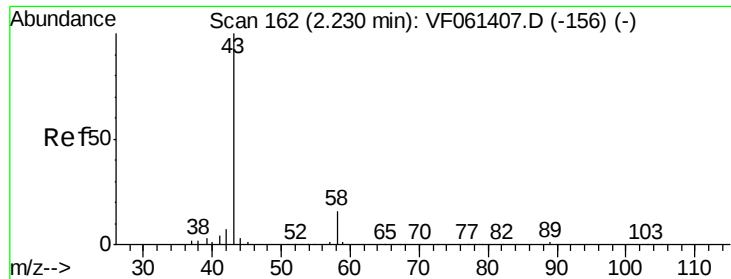
Ion Ratio Lower Upper

53 100

52 0.0 69.6 104.4#

51 0.0 36.8 55.2#





#16

Acetone

Concen: 24.577 ug/l

RT: 2.23 min Scan# 162

Delta R.T. 0.00 min

Lab File: VF061565.D

Acq: 8 Feb 2019 18:45

Instrument :

MSVOA_F

ClientSampleId :

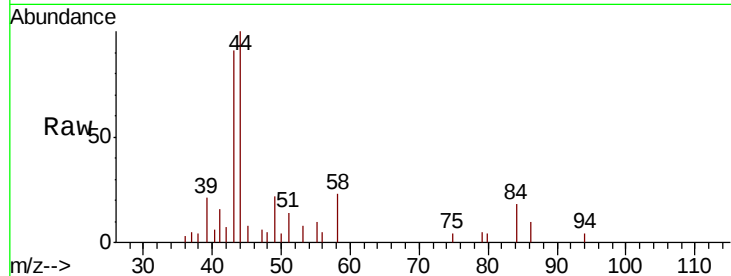
VOC-12

Tgt Ion: 43 Resp: 11070

Ion Ratio Lower Upper

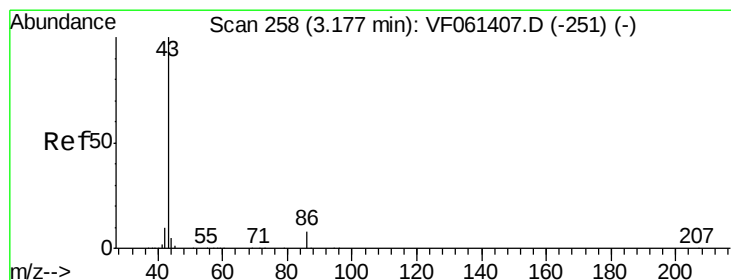
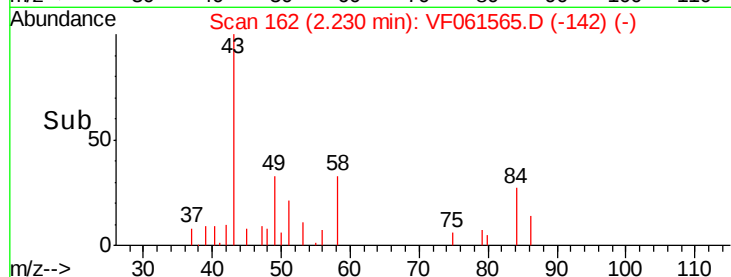
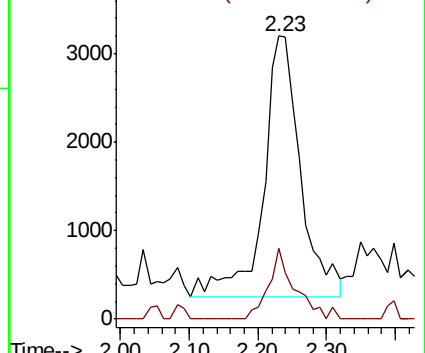
43 100

58 24.8 13.3 19.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#23

Vinyl Acetate

Concen: 3.743 ug/l

RT: 3.20 min Scan# 260

Delta R.T. 0.02 min

Lab File: VF061565.D

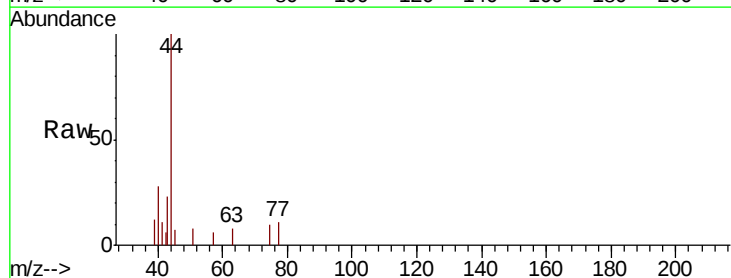
Acq: 8 Feb 2019 18:45

Tgt Ion: 43 Resp: 1409

Ion Ratio Lower Upper

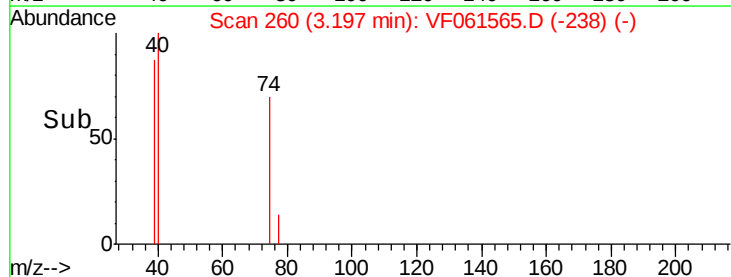
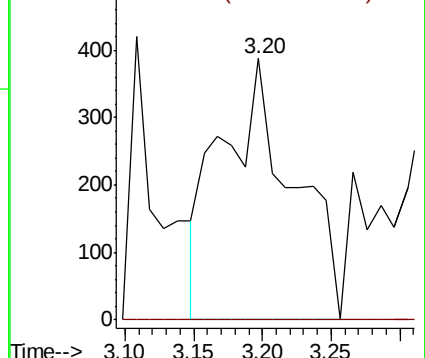
43 100

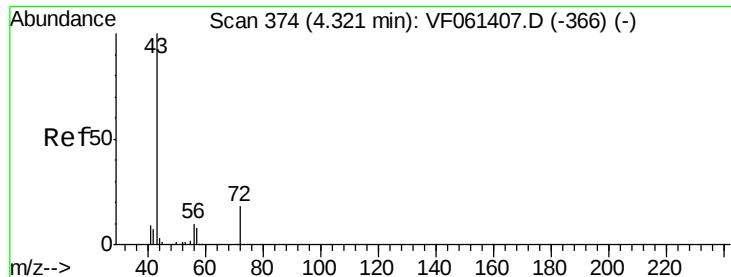
86 0.0 6.2 9.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0





#25

2-Butanone

Concen: 1.319 ug/l

RT: 4.33 min Scan# 375

Delta R.T. 0.01 min

Lab File: VF061565.D

Acq: 8 Feb 2019 18:45

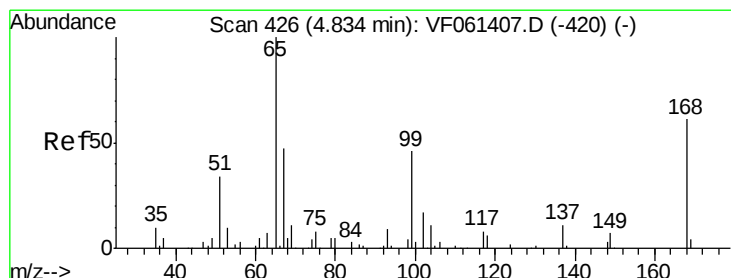
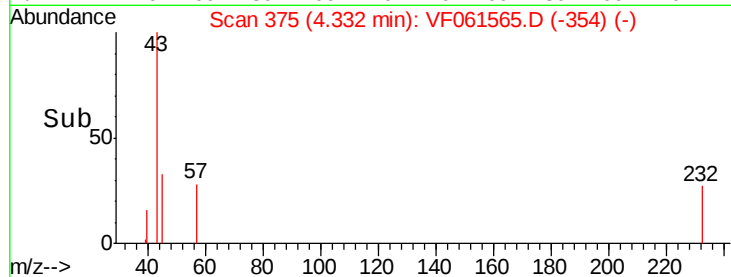
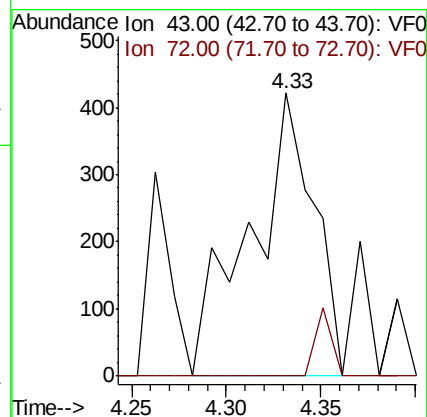
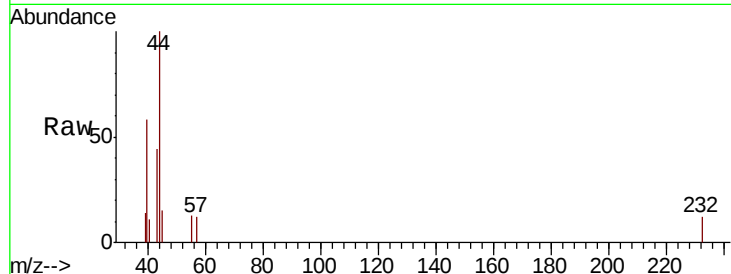
Instrument :
MSVOA_F
ClientSampled :
VOC-12

Tgt Ion: 43 Resp: 988

Ion Ratio Lower Upper

43 100

72 0.0 15.8 23.6#



#33

1,2-Dichloroethane-d4

Concen: 41.119 ug/l

RT: 4.83 min Scan# 426

Delta R.T. 0.00 min

Lab File: VF061565.D

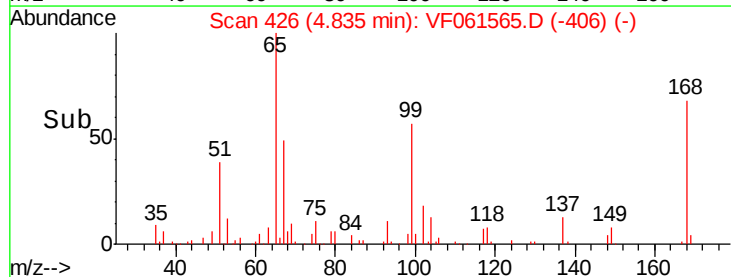
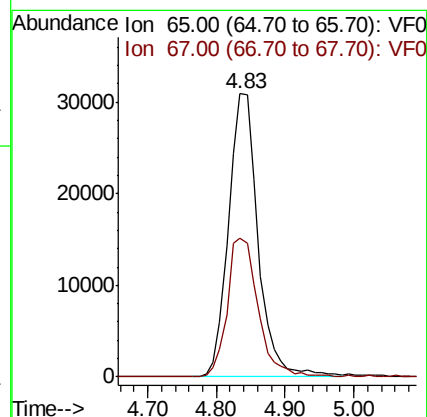
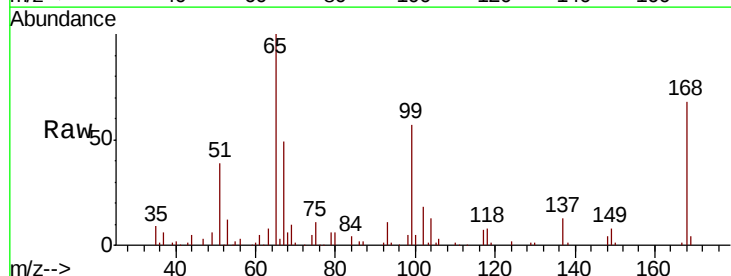
Acq: 8 Feb 2019 18:45

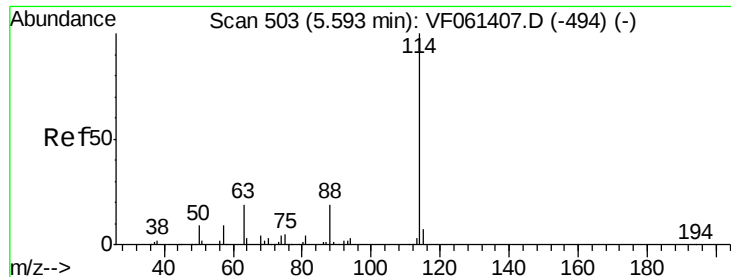
Tgt Ion: 65 Resp: 92321

Ion Ratio Lower Upper

65 100

67 48.8 0.0 99.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. 0.00 min

Lab File: VF061565.D

Acq: 8 Feb 2019 18:45

Instrument :

MSVOA_F

ClientSampleId :

VOC-12

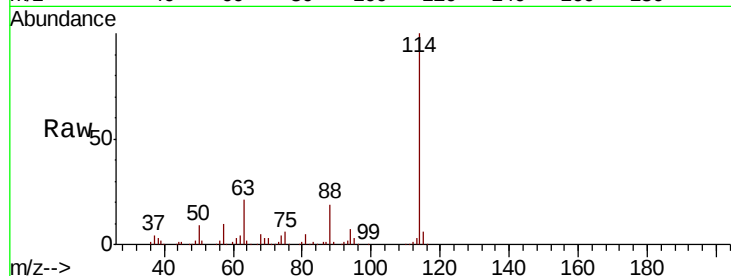
Tgt Ion:114 Resp: 326561

Ion Ratio Lower Upper

114 100

63 20.7 0.0 39.0

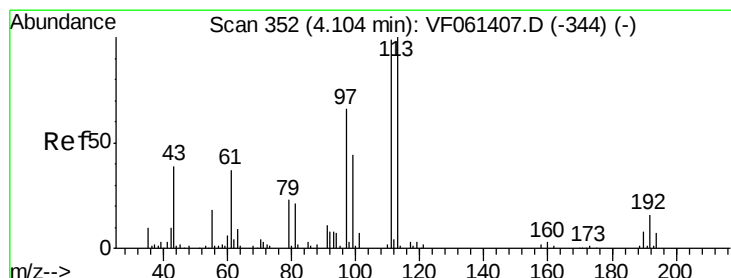
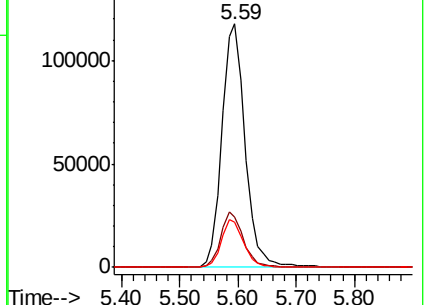
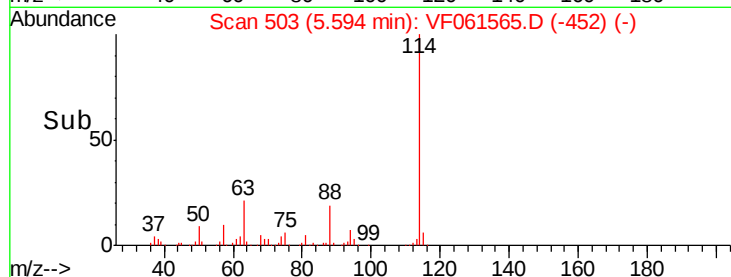
88 18.8 0.0 37.4



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



#35

Dibromofluoromethane

Concen: 39.005 ug/l

RT: 4.10 min Scan# 352

Delta R.T. 0.00 min

Lab File: VF061565.D

Acq: 8 Feb 2019 18:45

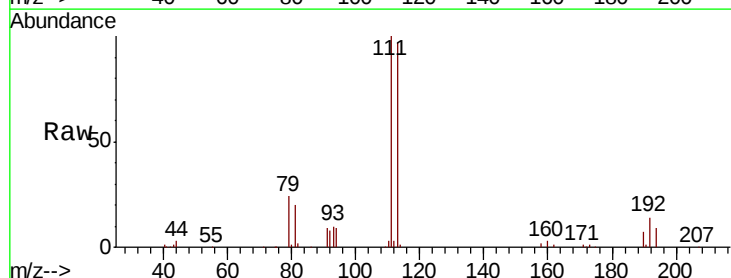
Tgt Ion:113 Resp: 100509

Ion Ratio Lower Upper

113 100

111 103.3 79.4 119.0

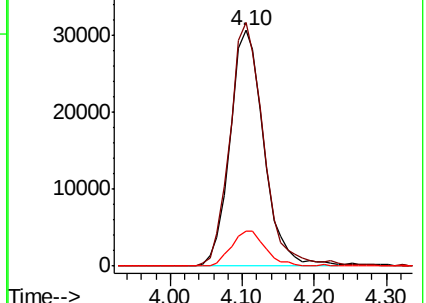
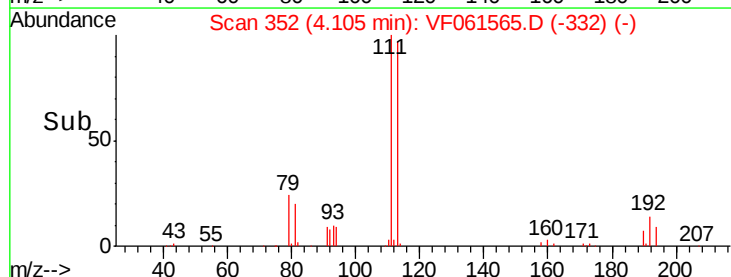
192 14.6 12.4 18.6

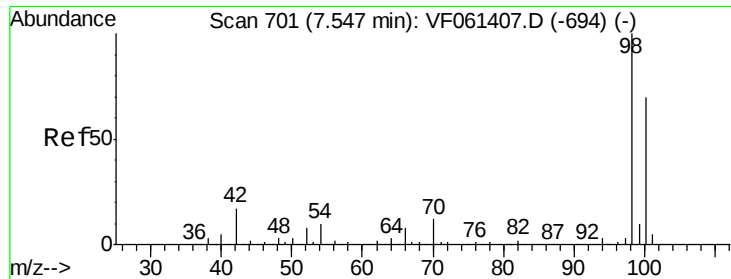


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

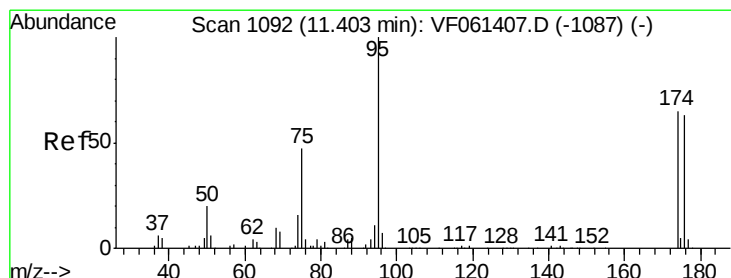
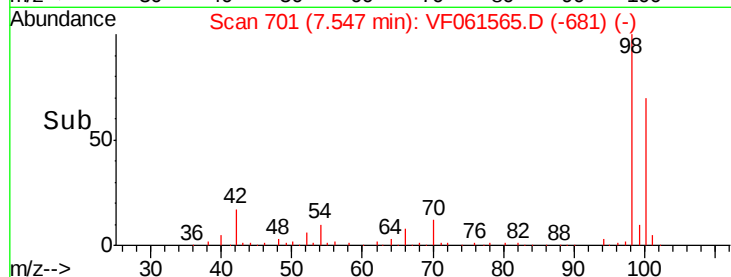
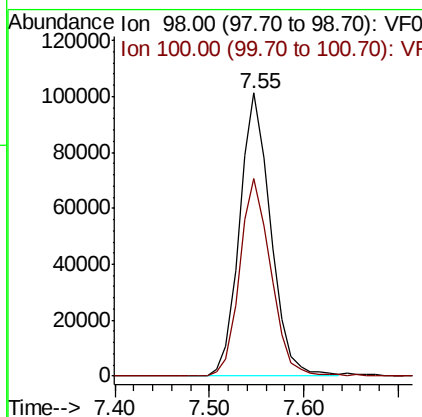
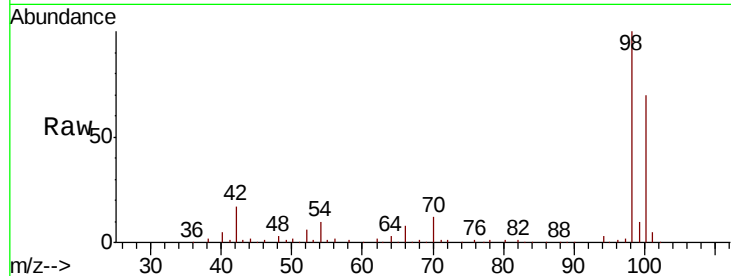




#50
Toluene-d8
Concen: 32.754 ug/l
RT: 7.55 min Scan# 701
Delta R.T. 0.00 min
Lab File: VF061565.D
Acq: 8 Feb 2019 18:45

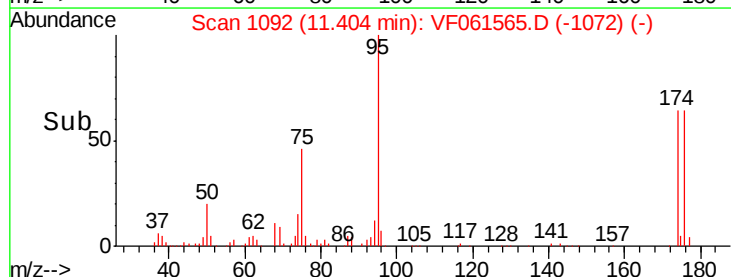
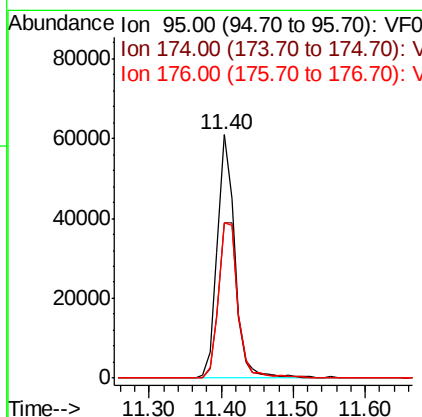
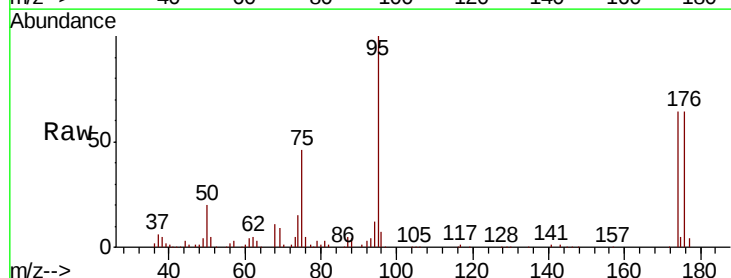
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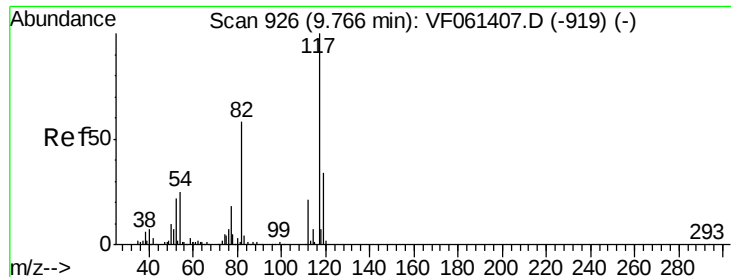
Tgt Ion: 98 Resp: 231244
Ion Ratio Lower Upper
98 100
100 69.8 55.6 83.4



#62
4-Bromofluorobenzene
Concen: 31.071 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VF061565.D
Acq: 8 Feb 2019 18:45

Tgt Ion: 95 Resp: 102494
Ion Ratio Lower Upper
95 100
174 64.0 0.0 130.4
176 63.7 0.0 126.2

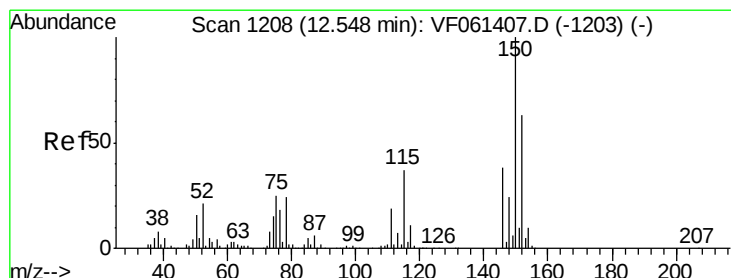
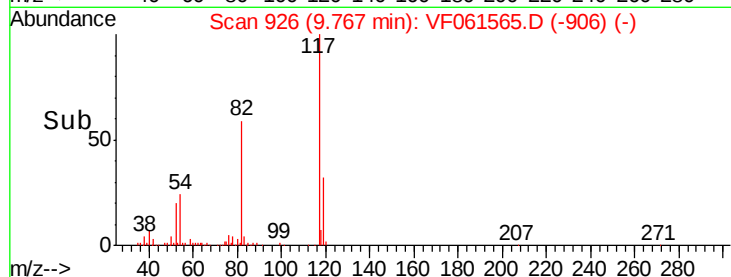
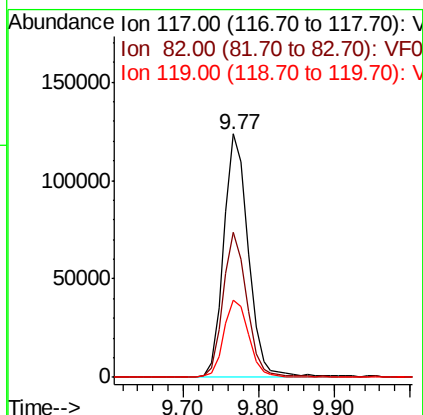
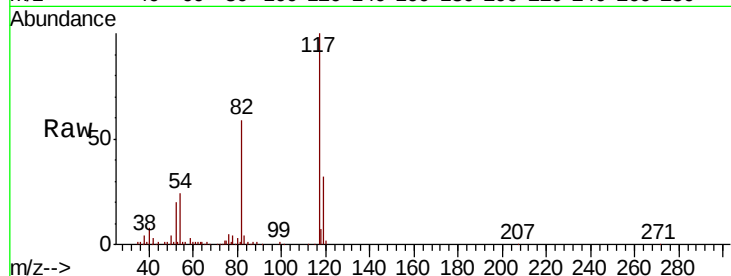




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 926
Delta R.T. 0.00 min
Lab File: VF061565.D
Acq: 8 Feb 2019 18:45

Instrument :
MSVOA_F
ClientSampleId :
VOC-12

Tgt Ion:117 Resp: 279645
Ion Ratio Lower Upper
117 100
82 59.3 46.4 69.6
119 31.8 27.2 40.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VF061565.D
Acq: 8 Feb 2019 18:45

Tgt Ion:152 Resp: 110032
Ion Ratio Lower Upper
152 100
115 57.2 30.0 90.0
150 151.7 0.0 321.4

