

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF020819\
 Data File : VF061572.D
 Acq On : 8 Feb 2019 22:06
 Operator : VA/AP
 Sample : K1423-01RE
 Misc : 4.89g/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 HB-VJ210

Quant Time: Feb 09 04:33:44 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	160025	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.58	114	278756	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.76	117	251210	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	116842	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	96188	48.69	ug/l	0.00
Spiked Amount			Recovery	=	97.38%	
35) Dibromofluoromethane	4.10	113	108342	49.25	ug/l	0.00
Spiked Amount			Recovery	=	98.50%	
50) Toluene-d8	7.54	98	256370	42.54	ug/l	0.00
Spiked Amount			Recovery	=	85.08%	
62) 4-Bromofluorobenzene	11.40	95	113892	40.45	ug/l	0.00
Spiked Amount			Recovery	=	80.90%	

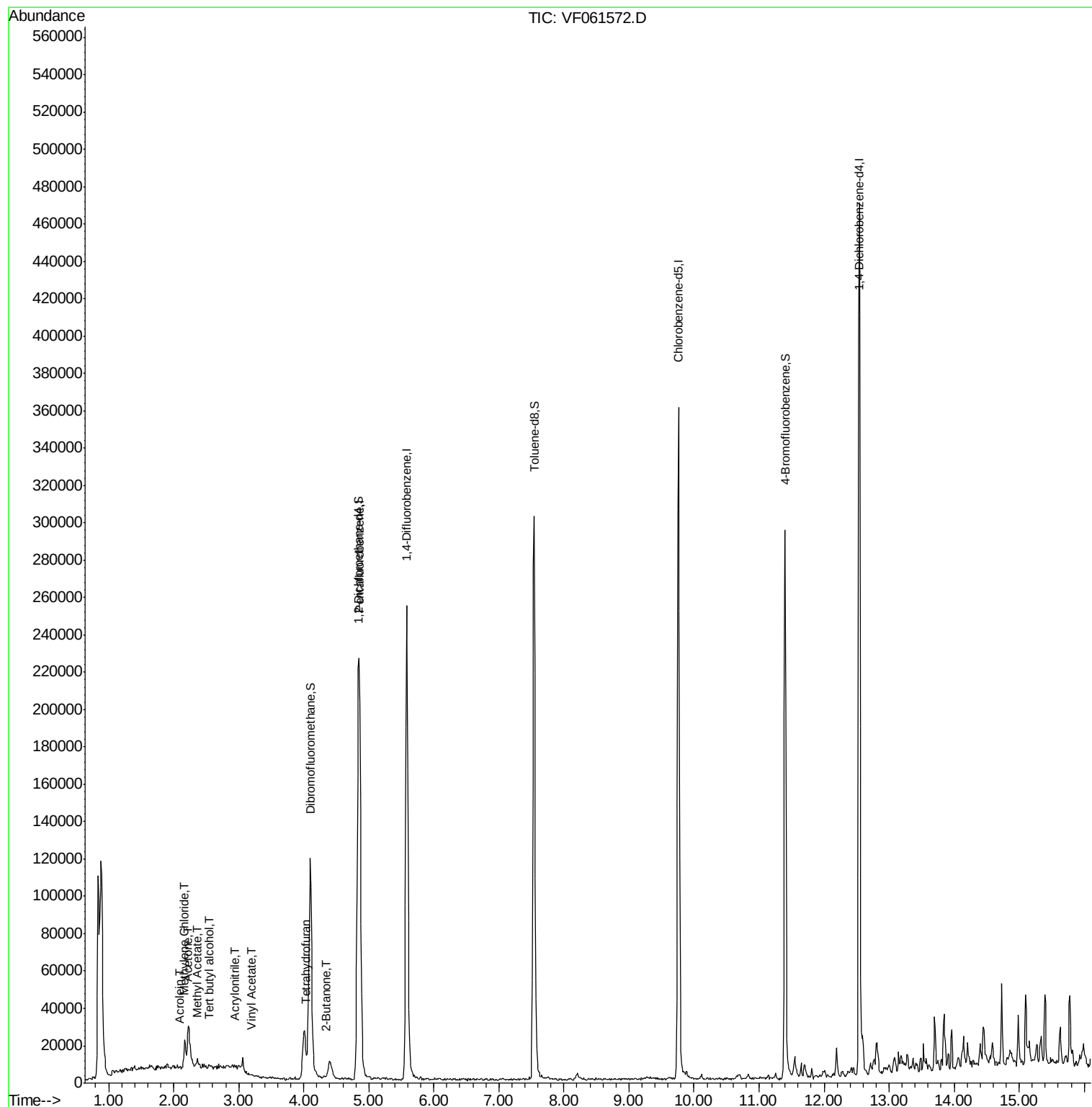
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.54	59	207	2.475	ug/l #	1
13) Acrolein	2.08	56	167	12.559	ug/l	90
14) Allyl chloride	2.09	41	66	Below Cal	#	81
15) Acrylonitrile	2.94	53	238	1.111	ug/l #	66
16) Acetone	2.23	43	17321	43.701	ug/l	93
18) Methyl Acetate	2.34	43	2809	3.574	ug/l	93
20) Methylene Chloride	2.17	84	6011	2.809	ug/l #	79
23) Vinyl Acetate	3.18	43	647	3.480	ug/l #	78
25) 2-Butanone	4.34	43	1603	2.432	ug/l #	57
29) Tetrahydrofuran	4.04	42	807	2.843	ug/l #	60
49) 1,4-Dioxane	6.76	88	65	Below Cal	#	13

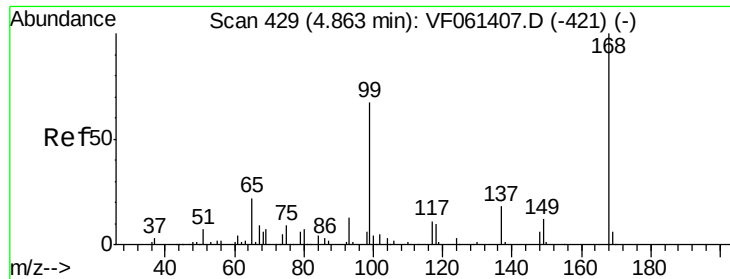
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF020819\
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QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.00 min

Lab File: VF061572.D

Acq: 8 Feb 2019 22:06

Instrument :

MSVOA_F

ClientSampleId :

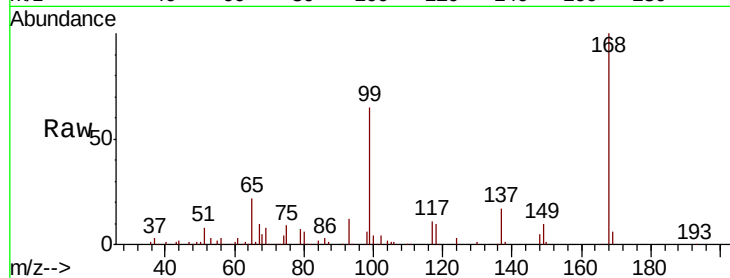
HB-VJ210

Tgt Ion:168 Resp: 160025

Ion Ratio Lower Upper

168 100

99 64.7 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

60000

50000

40000

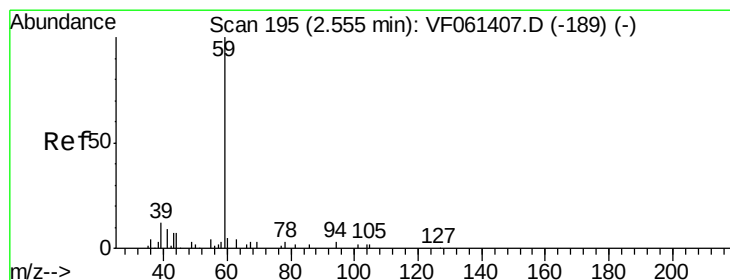
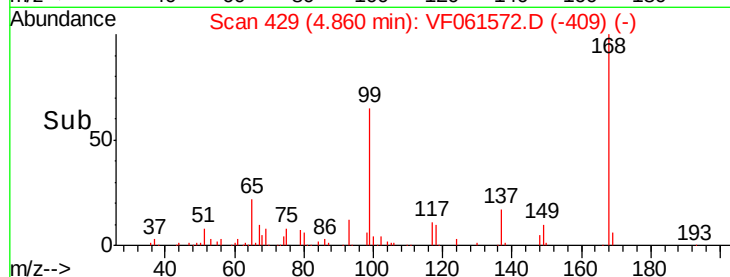
30000

20000

10000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.475 ug/l

RT: 2.54 min Scan# 194

Delta R.T. -0.01 min

Lab File: VF061572.D

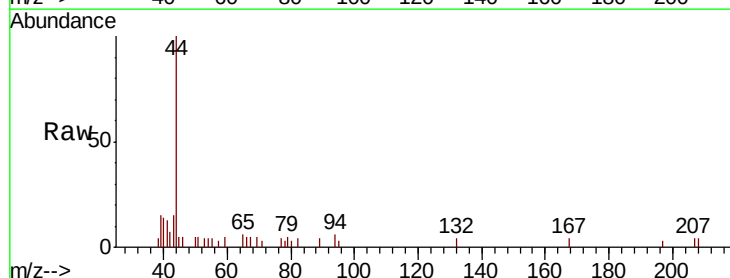
Acq: 8 Feb 2019 22:06

Tgt Ion: 59 Resp: 207

Ion Ratio Lower Upper

59 100

57 61.3 11.9 17.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

250

200

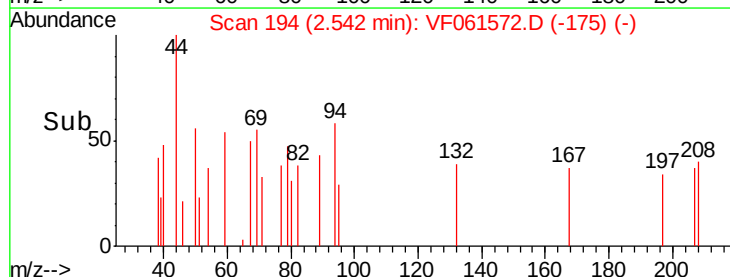
150

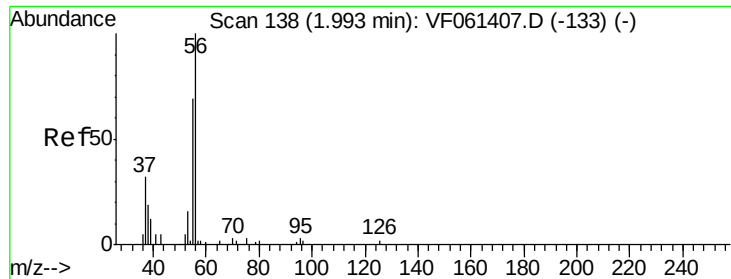
100

50

0

Time-->





#13

Acrolein

Concen: 12.559 ug/l

RT: 2.08 min Scan# 147

Delta R.T. 0.09 min

Lab File: VF061572.D

Acq: 8 Feb 2019 22:06

Instrument :

MSVOA_F

ClientSampleId :

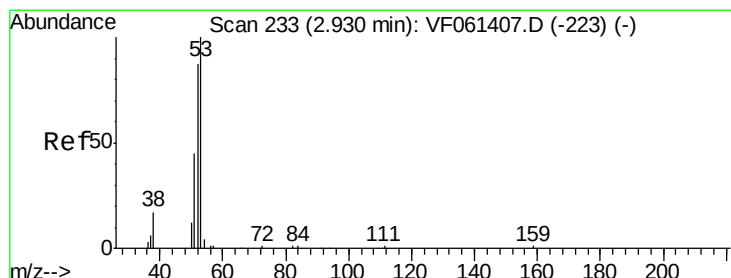
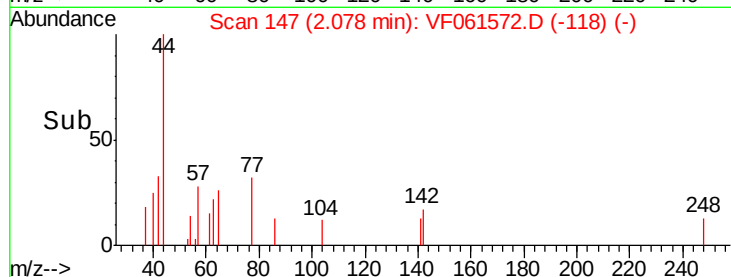
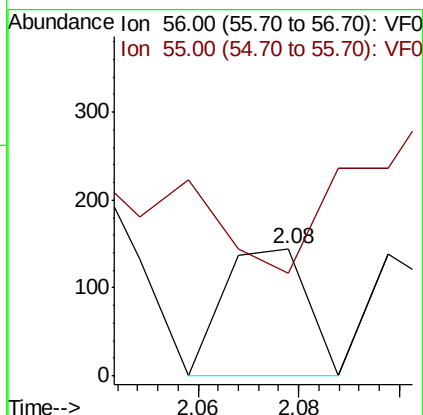
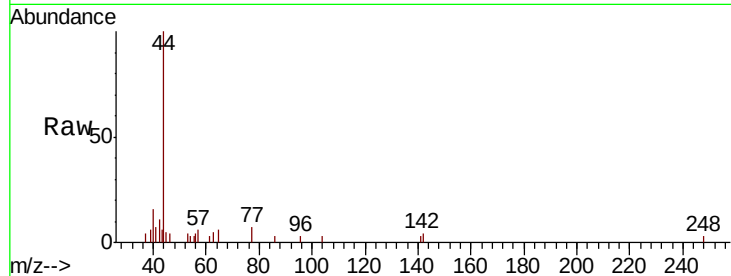
HB-VJ210

Tgt Ion: 56 Resp: 167

Ion Ratio Lower Upper

56 100

55 80.0 57.5 86.3



#15

Acrylonitrile

Concen: 1.111 ug/l

RT: 2.94 min Scan# 234

Delta R.T. 0.01 min

Lab File: VF061572.D

Acq: 8 Feb 2019 22:06

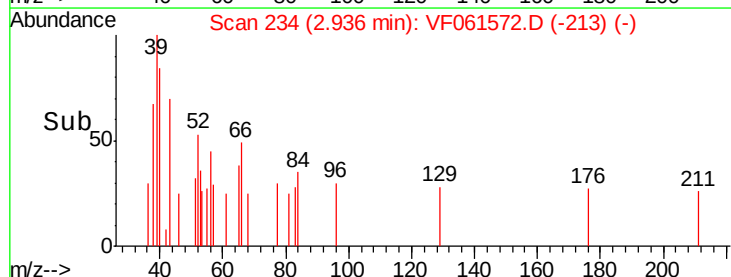
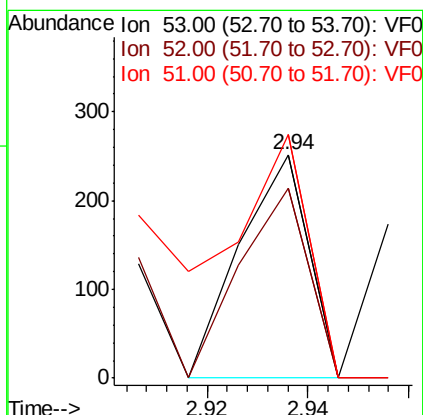
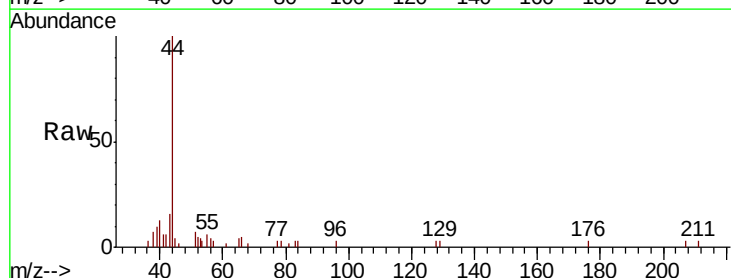
Tgt Ion: 53 Resp: 238

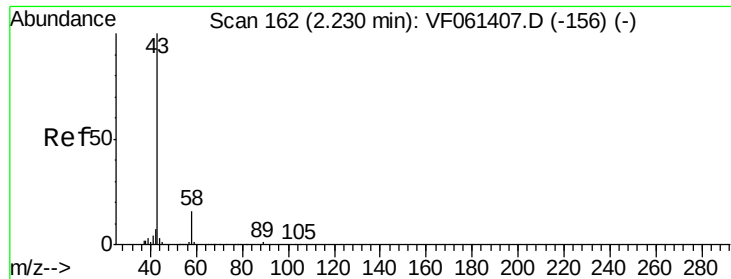
Ion Ratio Lower Upper

53 100

52 84.9 69.6 104.4

51 108.7 36.8 55.2#





#16

Acetone

Concen: 43.701 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.00 min

Lab File: VF061572.D

Acq: 8 Feb 2019 22:06

Instrument :

MSVOA_F

ClientSampleId :

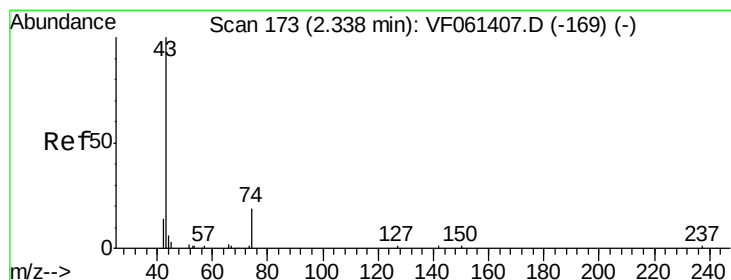
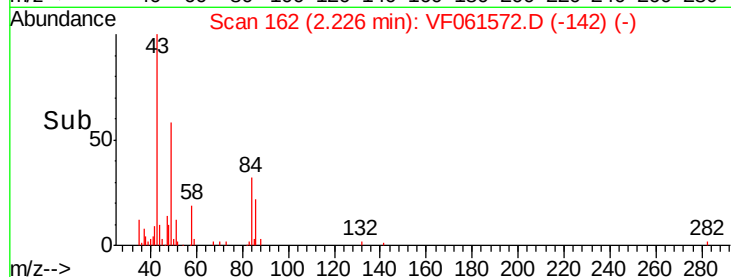
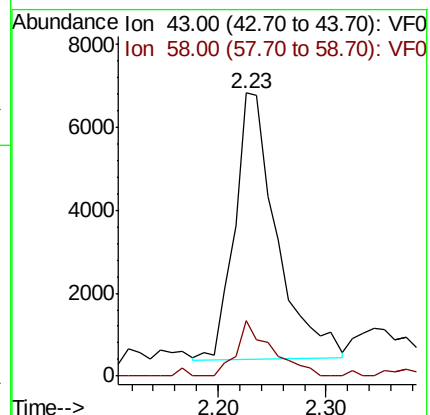
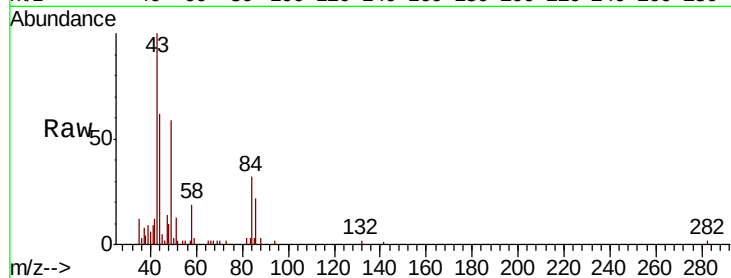
HB-VJ210

Tgt Ion: 43 Resp: 17321

Ion Ratio Lower Upper

43 100

58 19.4 13.3 19.9



#18

Methyl Acetate

Concen: 3.574 ug/l

RT: 2.34 min Scan# 174

Delta R.T. 0.01 min

Lab File: VF061572.D

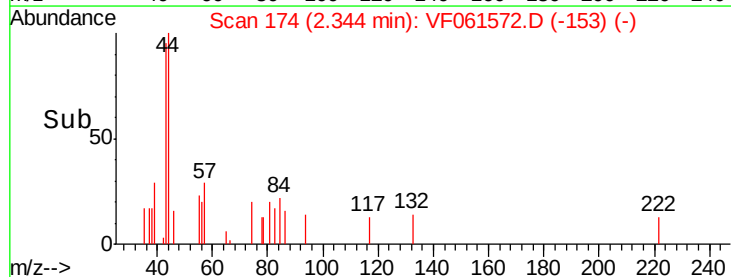
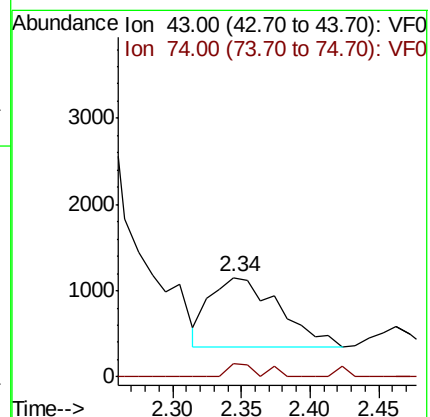
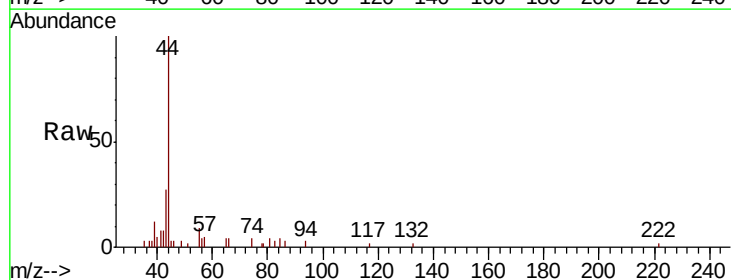
Acq: 8 Feb 2019 22:06

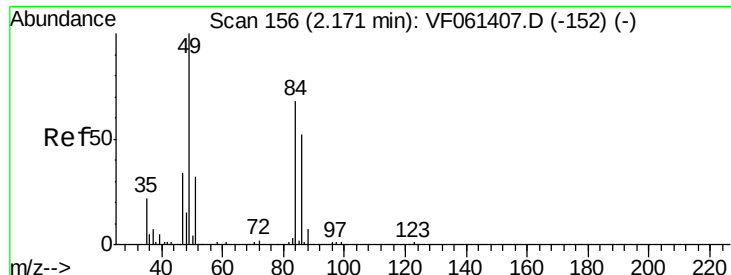
Tgt Ion: 43 Resp: 2809

Ion Ratio Lower Upper

43 100

74 13.7 13.4 20.0

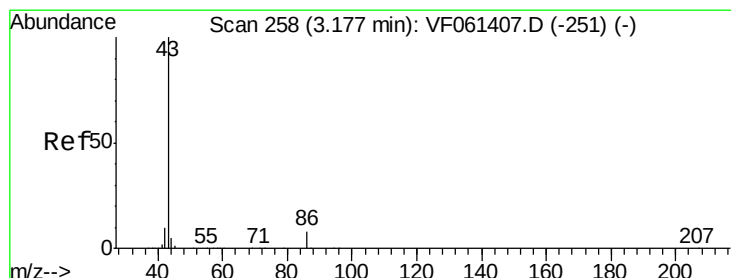
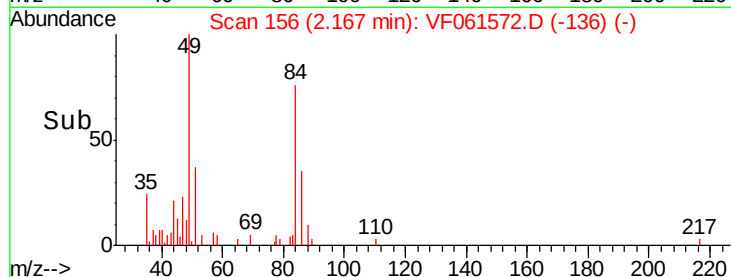
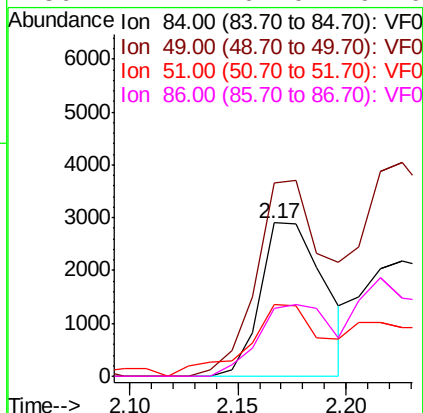
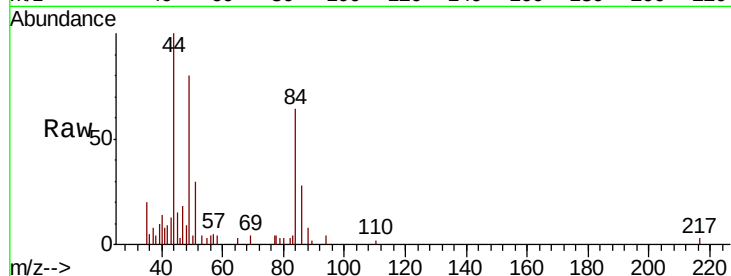




#20
Methylene Chloride
Concen: 2.809 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.00 min
Lab File: VF061572.D
Acq: 8 Feb 2019 22:06

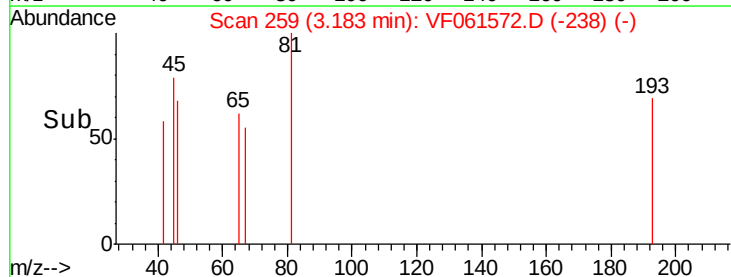
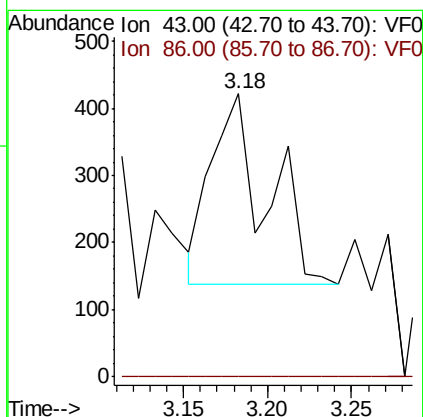
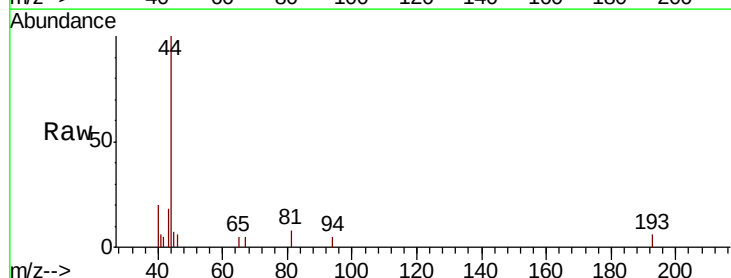
Instrument :
MSVOA_F
ClientSampleId :
HB-VJ210

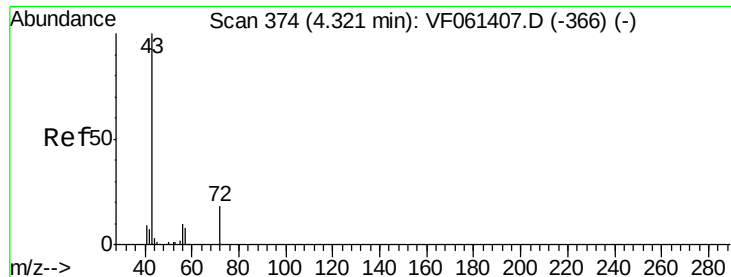
Tgt Ion: 84 Resp: 6011
Ion Ratio Lower Upper
84 100
49 125.7 120.0 180.0
51 46.9 38.6 58.0
86 44.1 61.0 91.6#



#23
Vinyl Acetate
Concen: 3.480 ug/l
RT: 3.18 min Scan# 259
Delta R.T. 0.01 min
Lab File: VF061572.D
Acq: 8 Feb 2019 22:06

Tgt Ion: 43 Resp: 647
Ion Ratio Lower Upper
43 100
86 0.0 6.2 9.4#





#25

2-Butanone

Concen: 2.432 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.02 min

Lab File: VF061572.D

Acq: 8 Feb 2019 22:06

Instrument :

MSVOA_F

ClientSampleId :

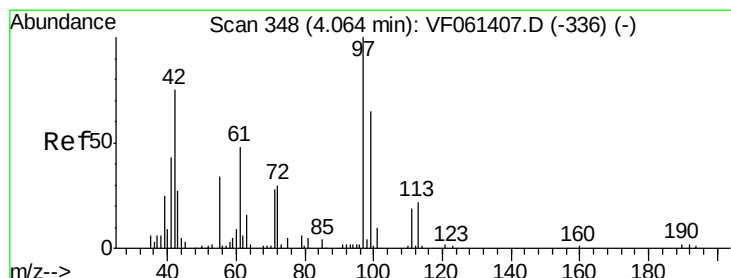
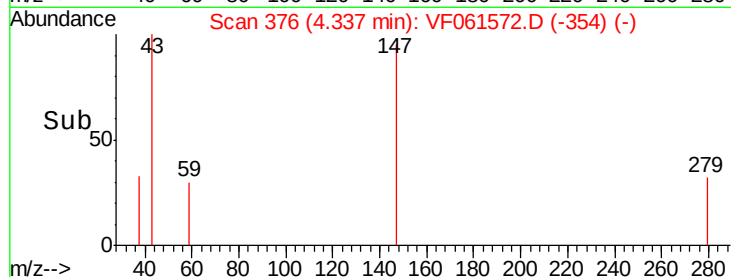
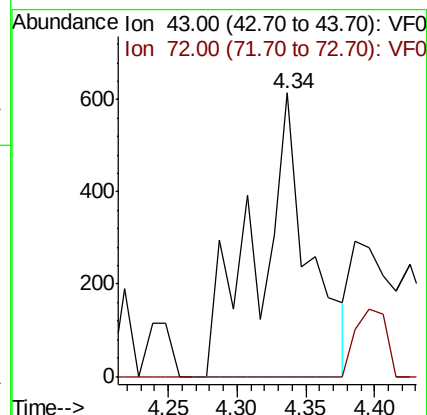
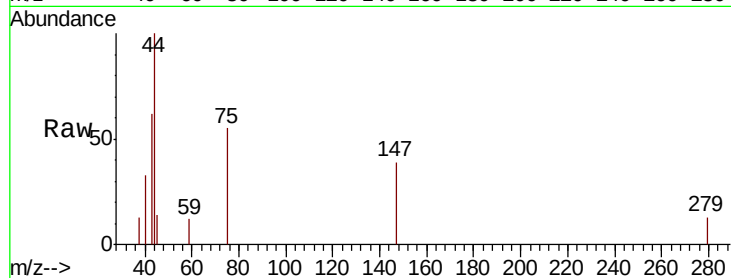
HB-VJ210

Tgt Ion: 43 Resp: 1603

Ion Ratio Lower Upper

43 100

72 0.0 15.8 23.6#



#29

Tetrahydrofuran

Concen: 2.843 ug/l

RT: 4.04 min Scan# 346

Delta R.T. -0.02 min

Lab File: VF061572.D

Acq: 8 Feb 2019 22:06

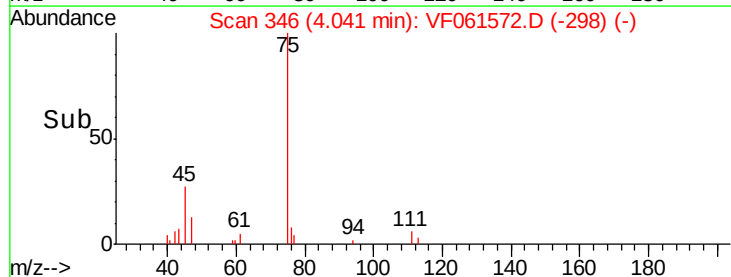
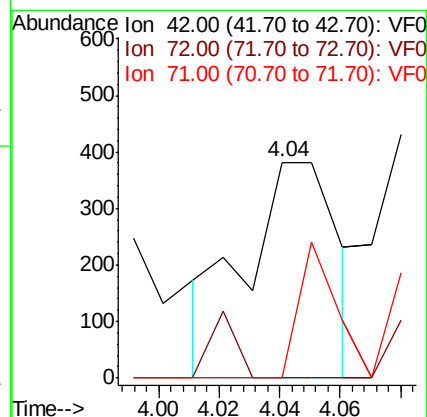
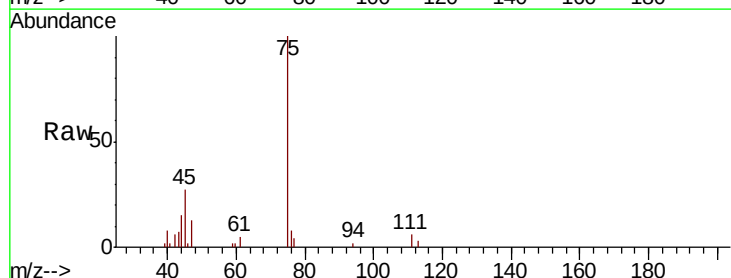
Tgt Ion: 42 Resp: 807

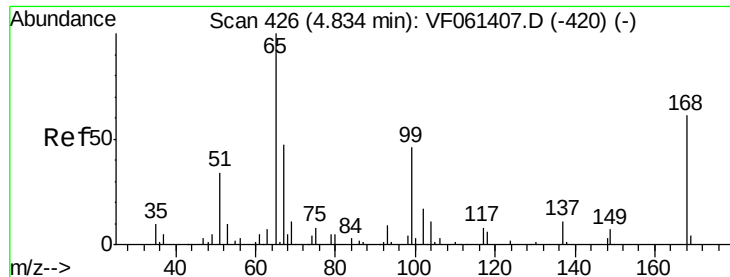
Ion Ratio Lower Upper

42 100

72 0.0 28.9 43.3#

71 25.0 29.6 44.4#

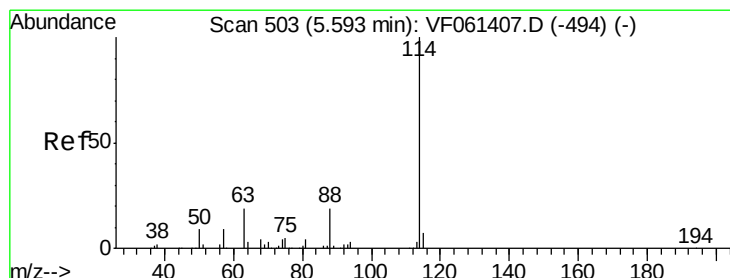
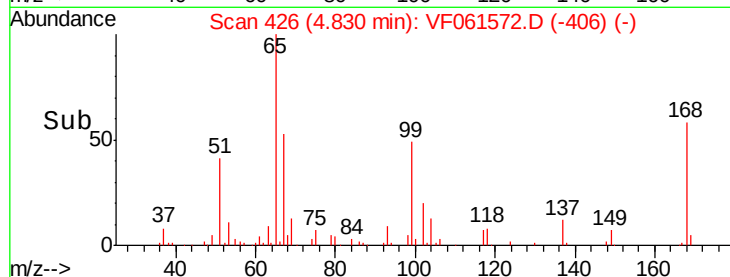
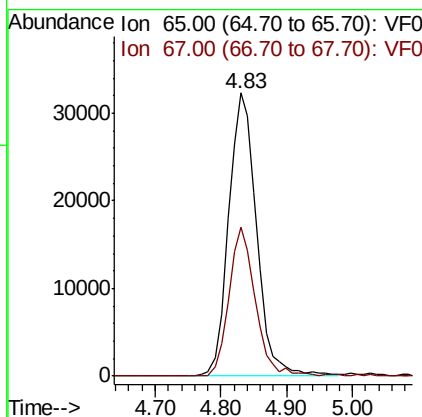
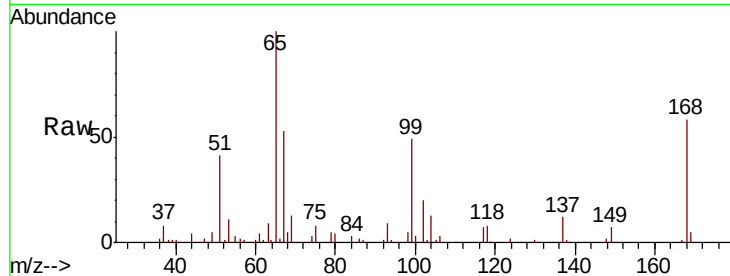




#33
 1,2-Dichloroethane-d4
 Concen: 48.685 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.00 min
 Lab File: VF061572.D
 Acq: 8 Feb 2019 22:06

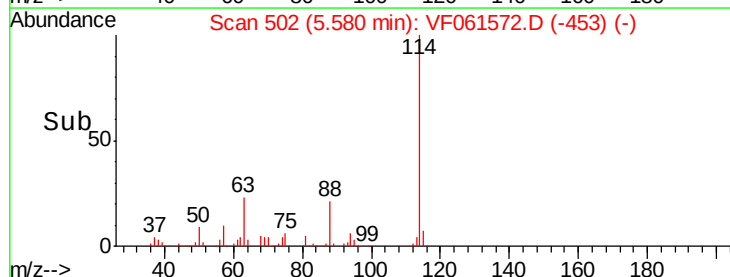
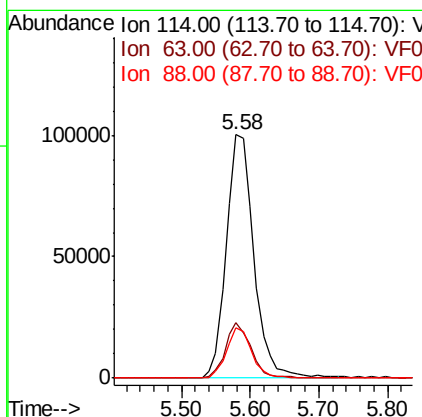
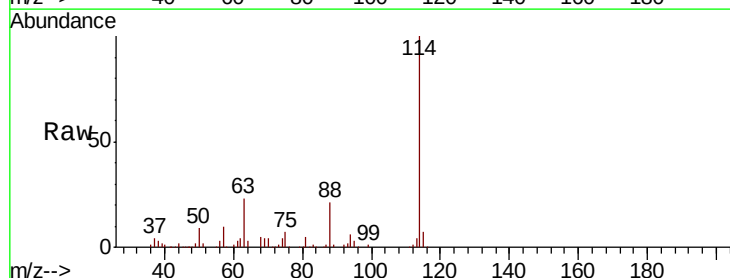
Instrument :
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 HB-VJ210

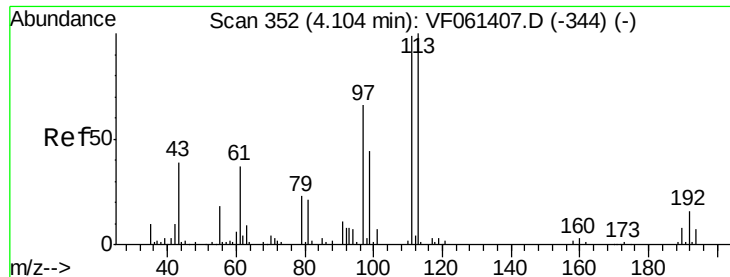
Tgt Ion: 65 Resp: 96188
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.01 min
 Lab File: VF061572.D
 Acq: 8 Feb 2019 22:06

Tgt Ion: 114 Resp: 278756
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 39.0
 88 20.6 0.0 37.4





#35

Dibromofluoromethane

Concen: 49.255 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.00 min

Lab File: VF061572.D

Acq: 8 Feb 2019 22:06

Instrument :

MSVOA_F

ClientSampleId :

HB-VJ210

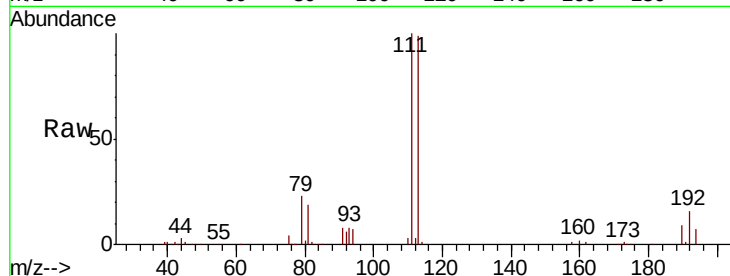
Tgt Ion:113 Resp: 108342

Ion Ratio Lower Upper

113 100

111 100.6 79.4 119.0

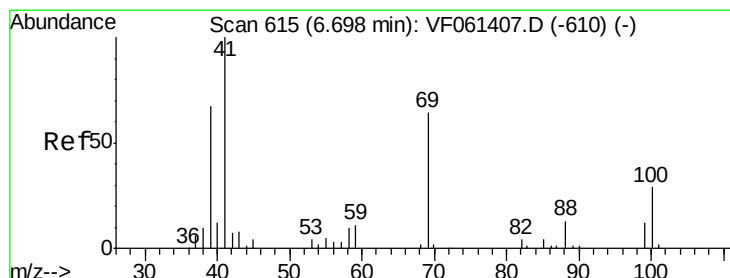
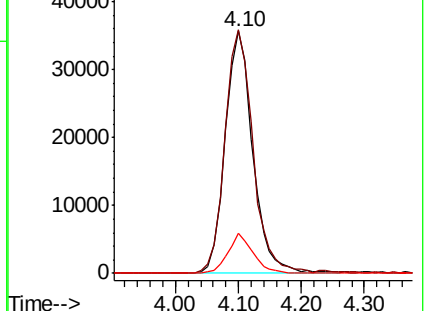
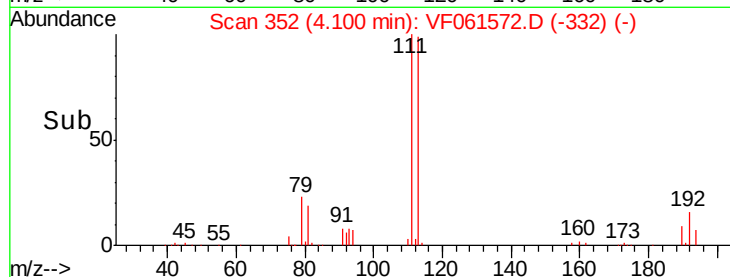
192 16.3 12.4 18.6



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



#49

1,4-Dioxane

Concen: Below Cal

RT: 6.76 min Scan# 622

Delta R.T. 0.07 min

Lab File: VF061572.D

Acq: 8 Feb 2019 22:06

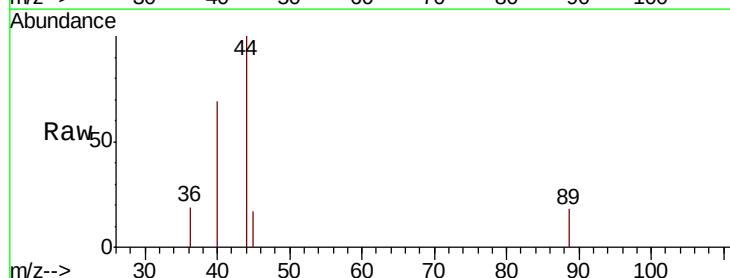
Tgt Ion: 88 Resp: 65

Ion Ratio Lower Upper

88 100

43 0.0 55.5 83.3#

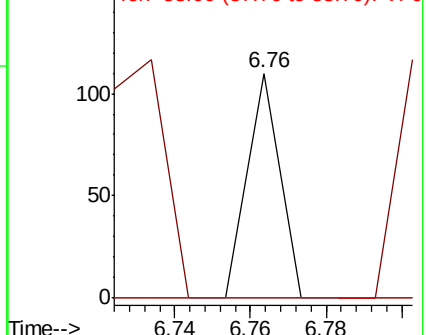
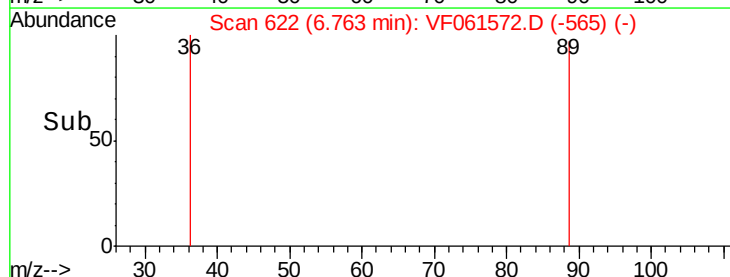
58 0.0 59.9 89.9#

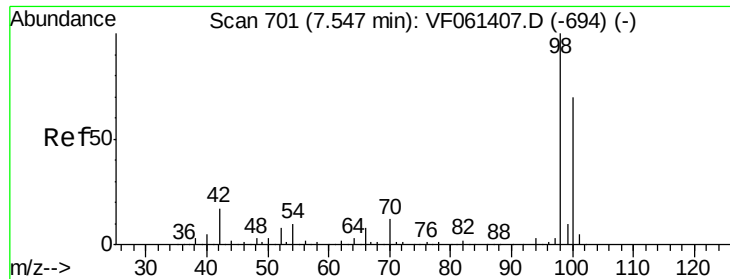


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#50

Toluene-d8

Concen: 42.540 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.00 min

Lab File: VF061572.D

Acq: 8 Feb 2019 22:06

Instrument :

MSVOA_F

ClientSampleId :

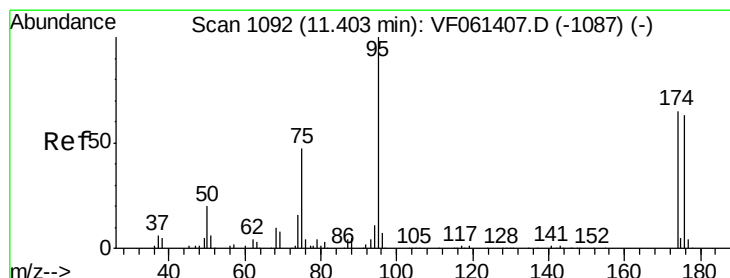
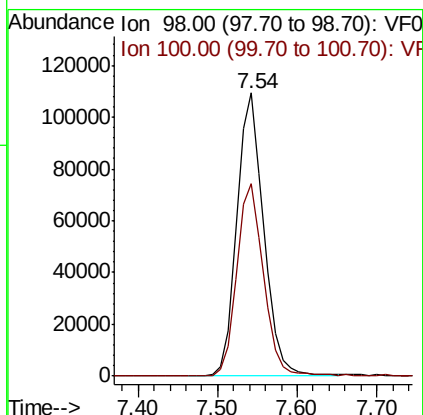
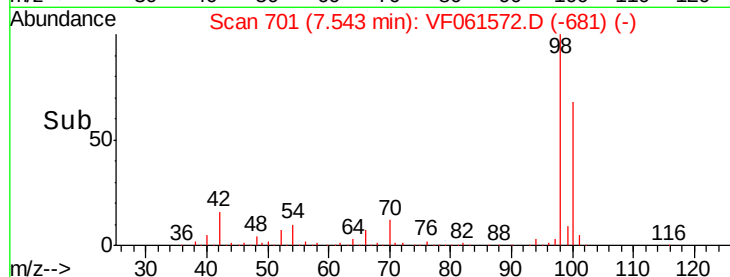
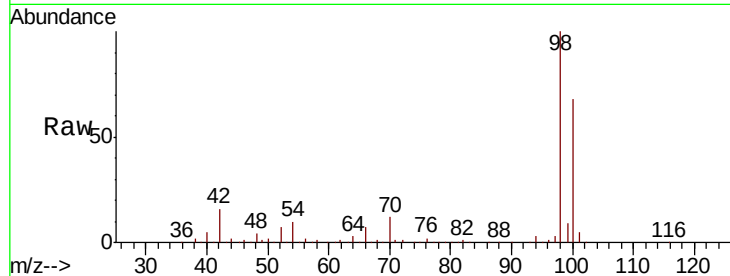
HB-VJ210

Tgt Ion: 98 Resp: 256370

Ion Ratio Lower Upper

98 100

100 67.9 55.6 83.4



#62

4-Bromofluorobenzene

Concen: 40.448 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VF061572.D

Acq: 8 Feb 2019 22:06

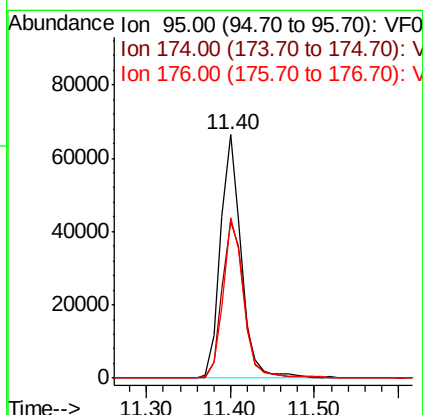
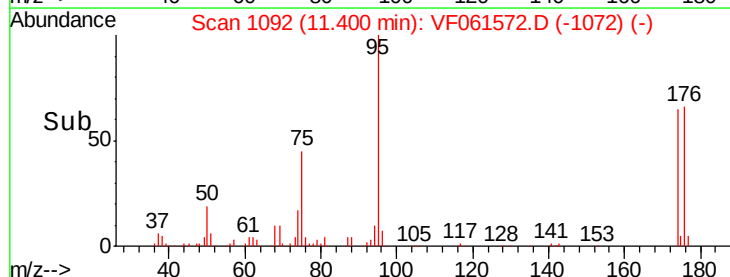
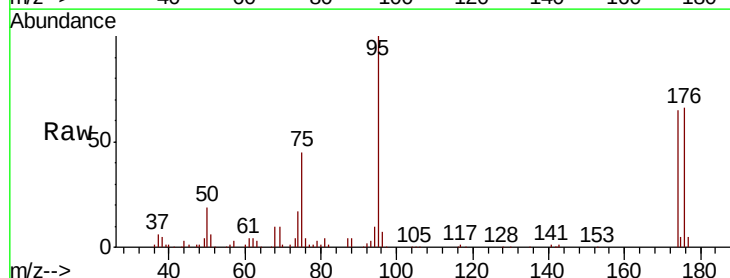
Tgt Ion: 95 Resp: 113892

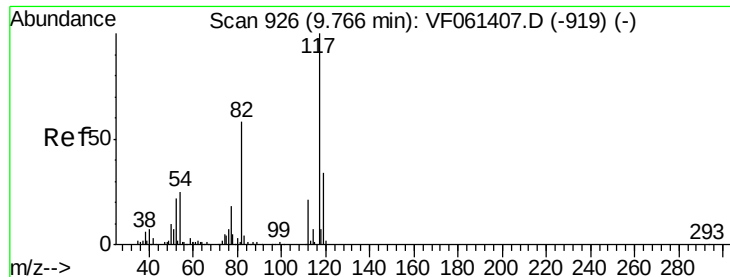
Ion Ratio Lower Upper

95 100

174 64.5 0.0 130.4

176 65.9 0.0 126.2

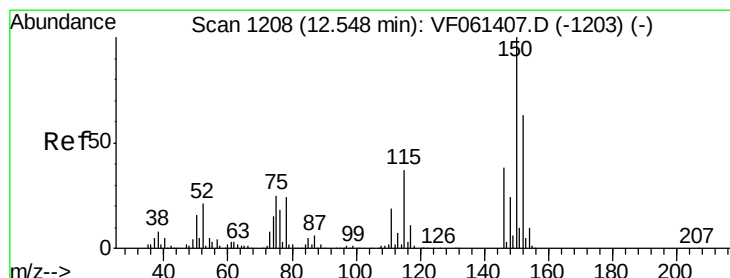
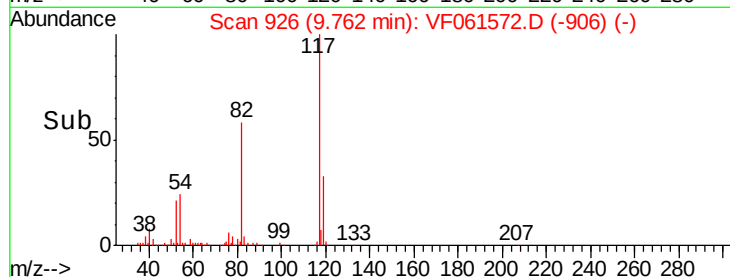
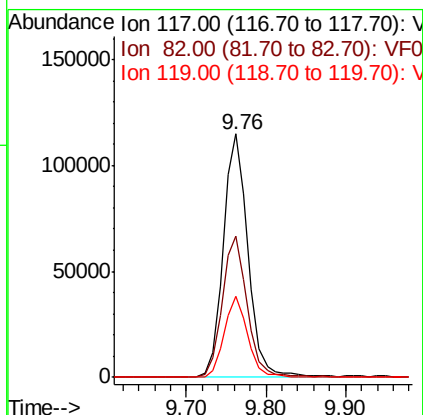
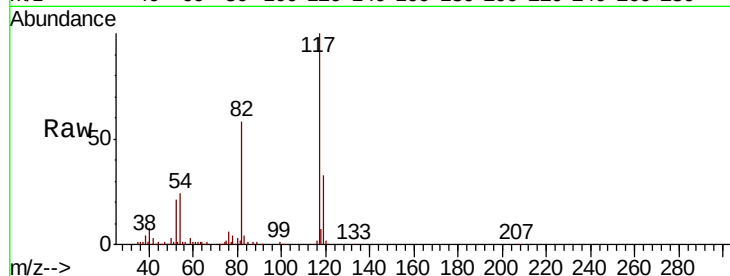




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.00 min
Lab File: VF061572.D
Acq: 8 Feb 2019 22:06

Instrument :
MSVOA_F
ClientSampleId :
HB-VJ210

Tgt Ion:117 Resp: 251210
Ion Ratio Lower Upper
117 100
82 58.2 46.4 69.6
119 33.2 27.2 40.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.00 min
Lab File: VF061572.D
Acq: 8 Feb 2019 22:06

Tgt Ion:152 Resp: 116842
Ion Ratio Lower Upper
152 100
115 59.4 30.0 90.0
150 153.9 0.0 321.4

