

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF110918\
 Data File : VF060668.D
 Acq On : 9 Nov 2018 12:39
 Operator : VA/AP
 Sample : VF1109SBL01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1109SBL01

Quant Time: Nov 12 04:11:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	267180	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	507105	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	426160	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	248935	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	162361	60.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.28%	
35) Dibromofluoromethane	4.11	113	202336	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
50) Toluene-d8	7.55	98	540169	46.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.08%	
62) 4-Bromofluorobenzene	11.41	95	264094	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	

Target Compounds

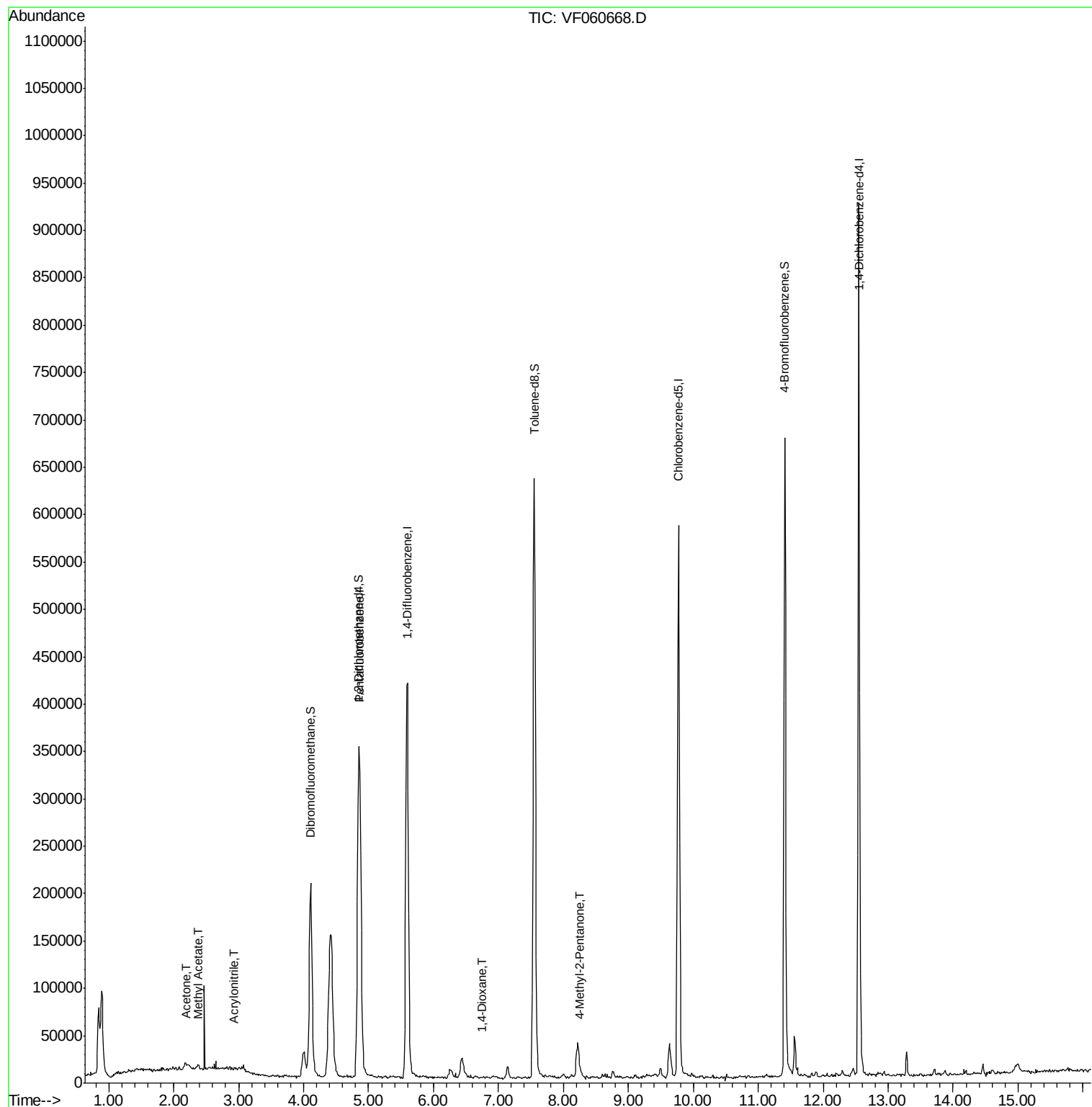
					Qvalue
2) Dichlorodifluoromethane	0.96	85	1216	Below Cal	81
6) Chloroethane	1.46	64	170	Below Cal	95
11) Tert butyl alcohol	2.56	59	406	Below Cal #	1
13) Acrolein	1.99	56	576	Below Cal #	73
15) Acrylonitrile	2.93	53	527	1.638 ug/l	95
16) Acetone	2.19	43	852	1.339 ug/l	99
18) Methyl Acetate	2.38	43	2146	2.630 ug/l #	64
20) Methylene Chloride	2.23	84	3072	Below Cal #	93
25) 2-Butanone	4.34	43	2255	Below Cal #	56
29) Tetrahydrofuran	4.11	42	881	Below Cal #	54
49) 1,4-Dioxane	6.74	88	137	6.146 ug/l #	1
51) 4-Methyl-2-Pentanone	8.26	43	7470	3.276 ug/l	92
58) 2-Chloroethyl Vinyl ether	7.63	63	60	Below Cal	100
59) 2-Hexanone	9.49	43	6729	Below Cal	86
74) N-amyl acetate	11.38	43	6120	Below Cal #	91
89) n-Butylbenzene	12.84	91	1297	Below Cal #	79

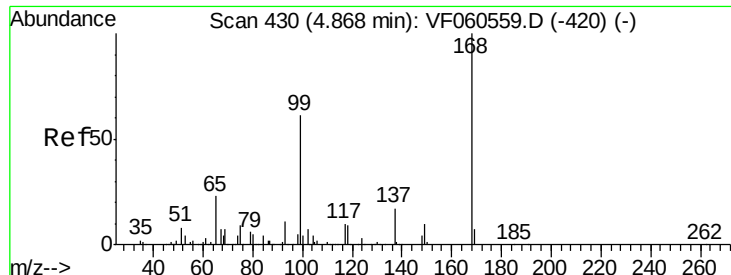
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF110918\
Data File : VF060668.D
Acq On : 9 Nov 2018 12:39
Operator : VA/AP
Sample : VF1109SBL01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF1109SBL01

Quant Time: Nov 12 04:11:45 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
Quant Title : SW846 8260
QLast Update : Sat Nov 03 05:29:31 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.00 min

Lab File: VF060668.D

Acq: 9 Nov 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

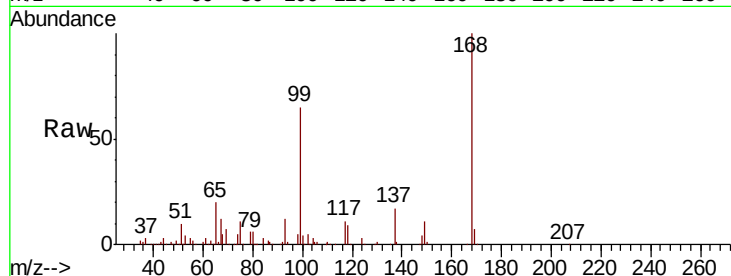
VF1109SBL01

Tgt Ion:168 Resp: 267180

Ion Ratio Lower Upper

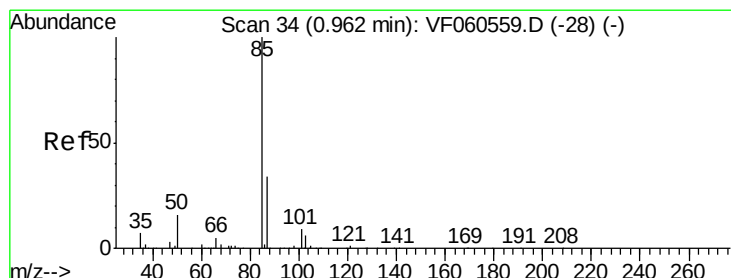
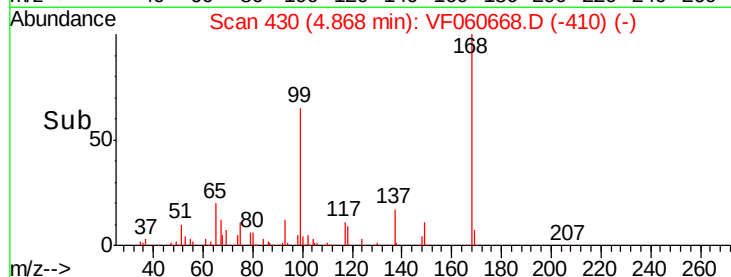
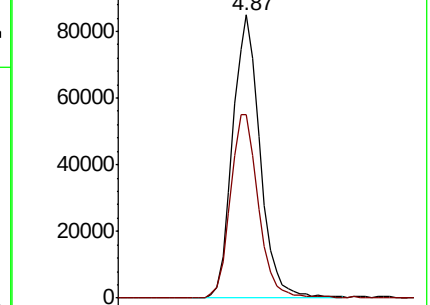
168 100

99 64.7 48.6 72.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.96 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF060668.D

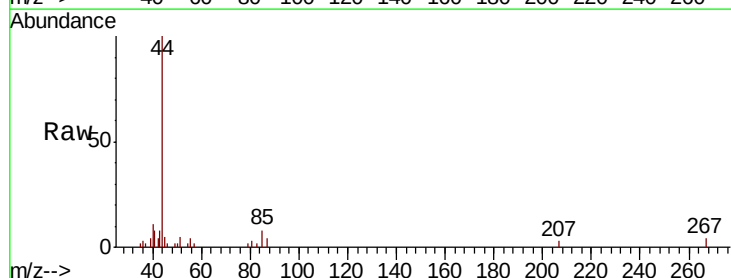
Acq: 9 Nov 2018 12:39

Tgt Ion: 85 Resp: 1216

Ion Ratio Lower Upper

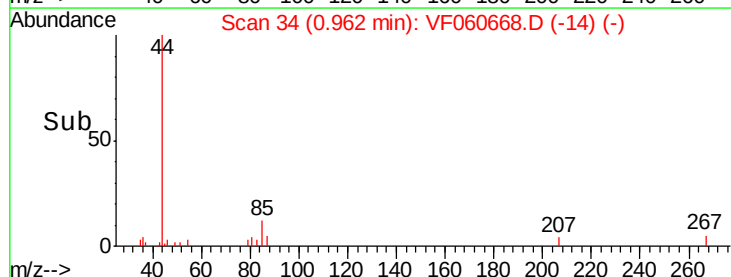
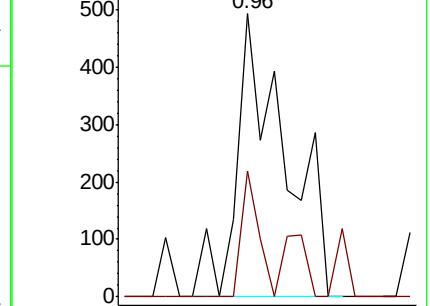
85 100

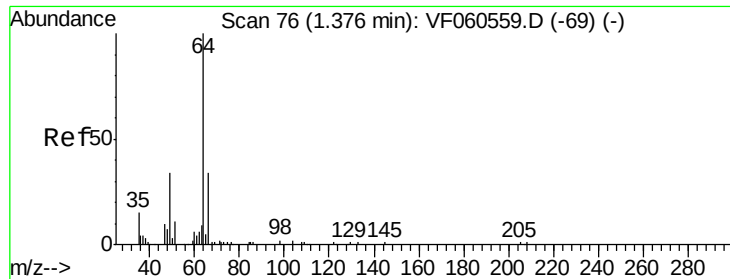
87 44.4 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#6

Chloroethane

Concen: Below Cal

RT: 1.46 min Scan# 85

Delta R.T. 0.09 min

Lab File: VF060668.D

Acq: 9 Nov 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

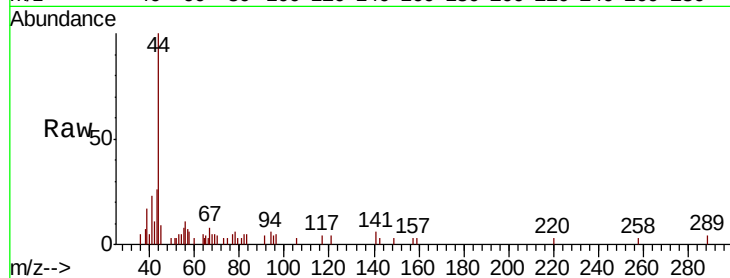
VF1109SBL01

Tgt Ion: 64 Resp: 170

Ion Ratio Lower Upper

64 100

66 37.6 27.8 41.8



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

1.46

300

200

100

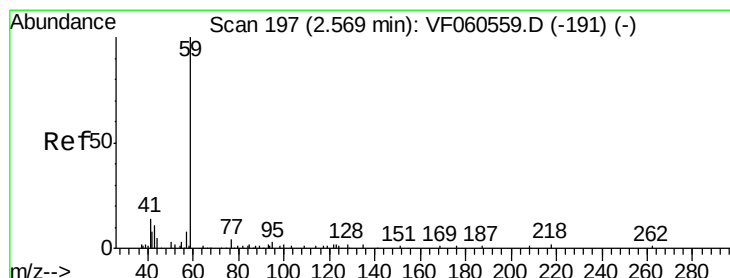
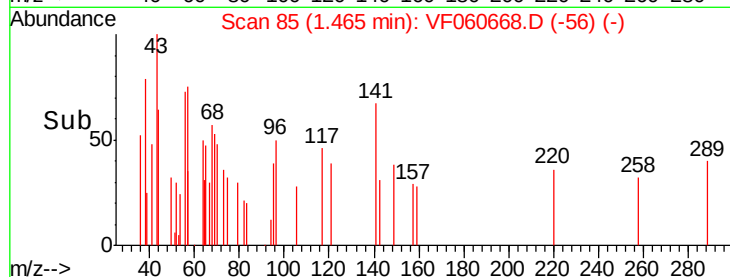
0

1.44

1.46

1.48

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.56 min Scan# 196

Delta R.T. -0.01 min

Lab File: VF060668.D

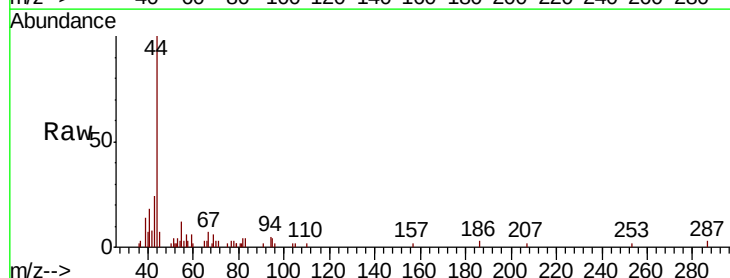
Acq: 9 Nov 2018 12:39

Tgt Ion: 59 Resp: 406

Ion Ratio Lower Upper

59 100

57 101.0 19.0 28.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

600

500

400

300

200

100

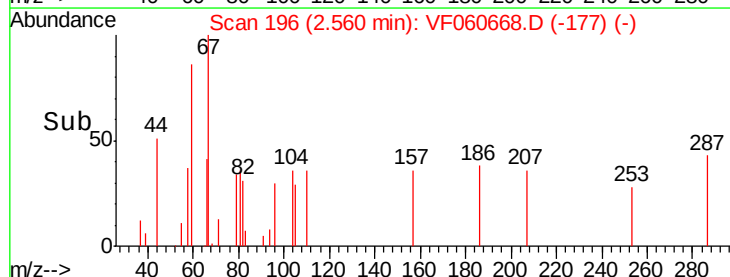
0

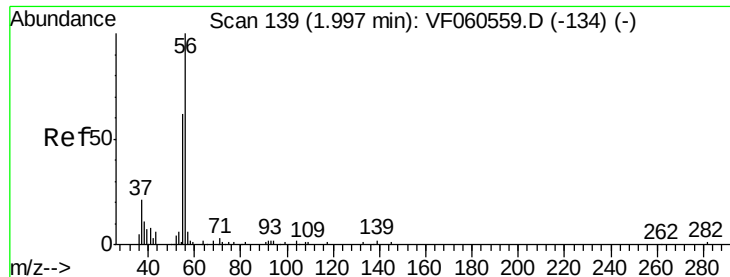
2.50

2.55

2.60

Time-->





#13

Acrolein

Concen: Below Cal

RT: 1.99 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF060668.D

Acq: 9 Nov 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

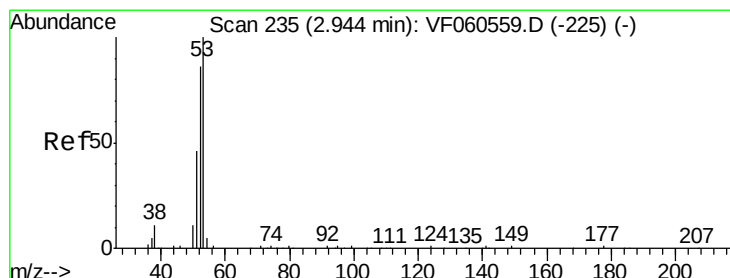
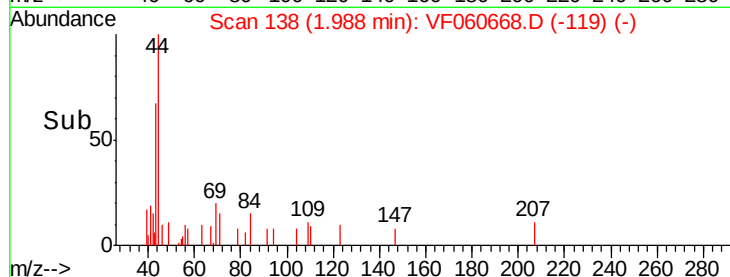
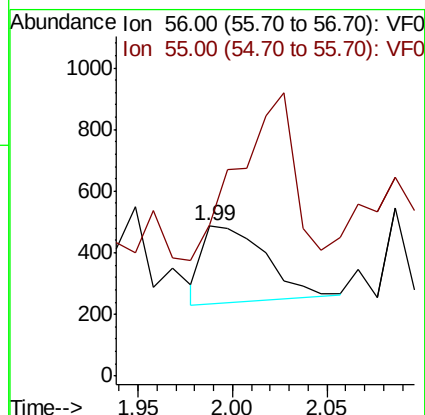
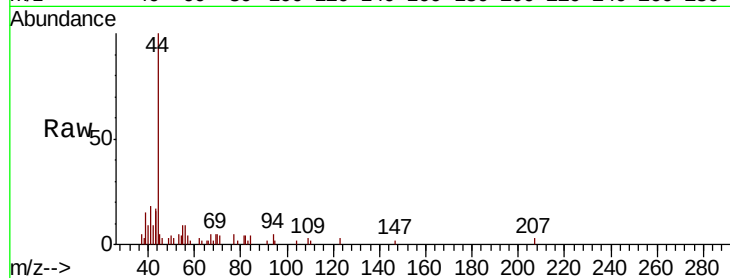
VF1109SBL01

Tgt Ion: 56 Resp: 576

Ion Ratio Lower Upper

56 100

55 100.8 61.8 92.6#



#15

Acrylonitrile

Concen: 1.638 ug/l

RT: 2.93 min Scan# 234

Delta R.T. -0.01 min

Lab File: VF060668.D

Acq: 9 Nov 2018 12:39

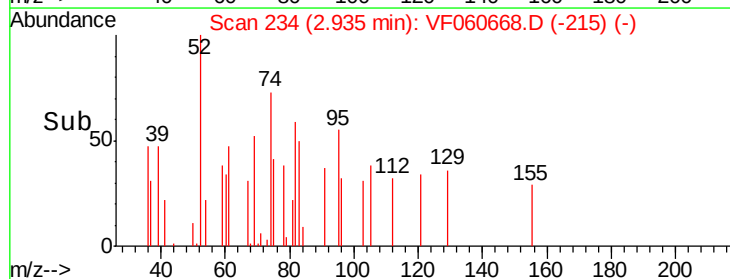
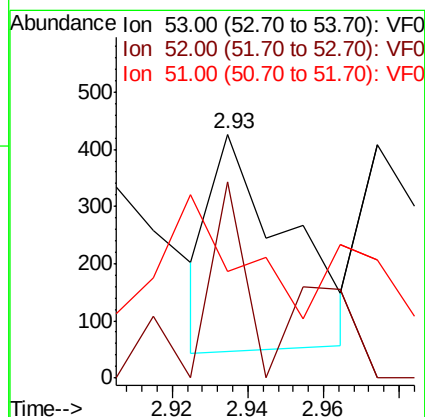
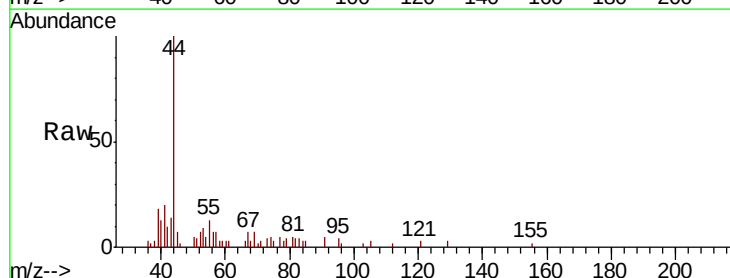
Tgt Ion: 53 Resp: 527

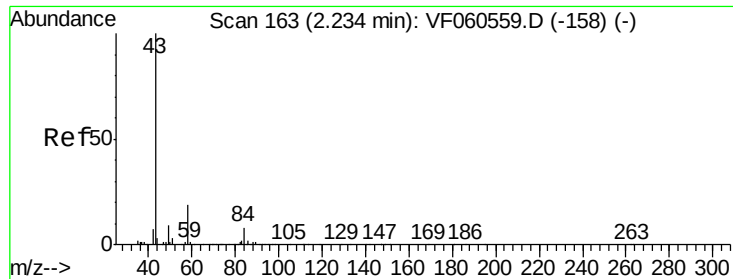
Ion Ratio Lower Upper

53 100

52 80.8 68.5 102.7

51 43.9 38.2 57.2





#16

Acetone

Concen: 1.339 ug/l

RT: 2.19 min Scan# 159

Delta R.T. -0.04 min

Lab File: VF060668.D

Acq: 9 Nov 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

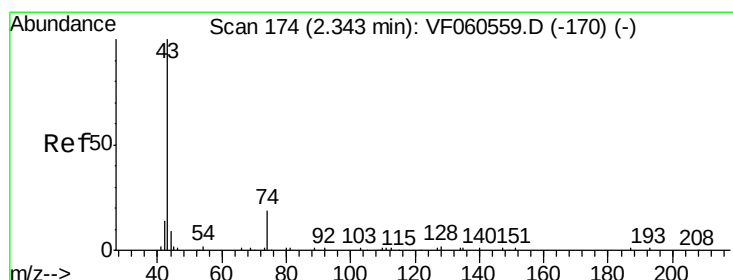
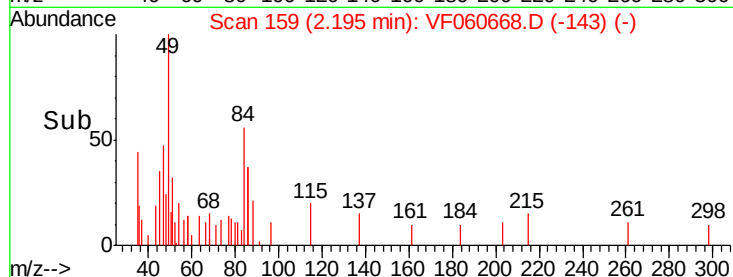
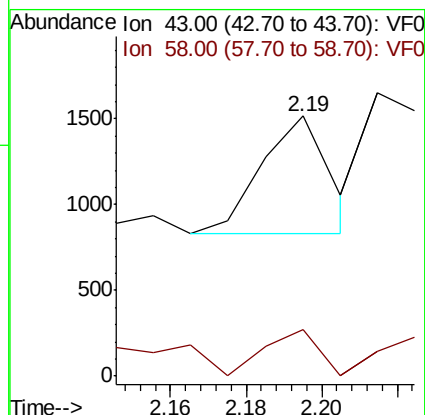
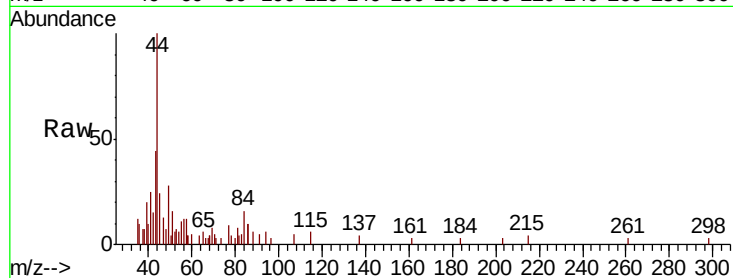
VF1109SBL01

Tgt Ion: 43 Resp: 852

Ion Ratio Lower Upper

43 100

58 17.8 14.6 22.0



#18

Methyl Acetate

Concen: 2.630 ug/l

RT: 2.38 min Scan# 178

Delta R.T. 0.04 min

Lab File: VF060668.D

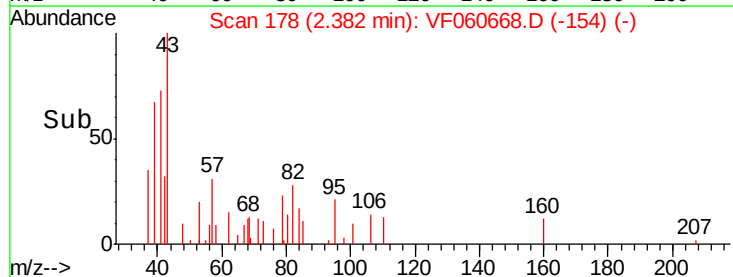
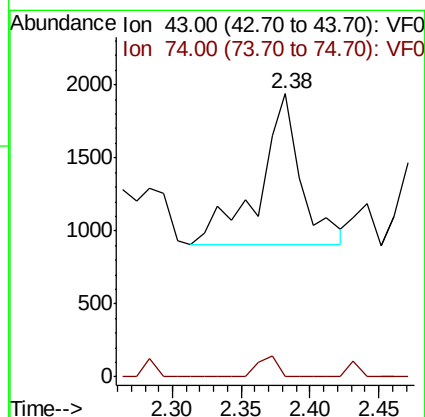
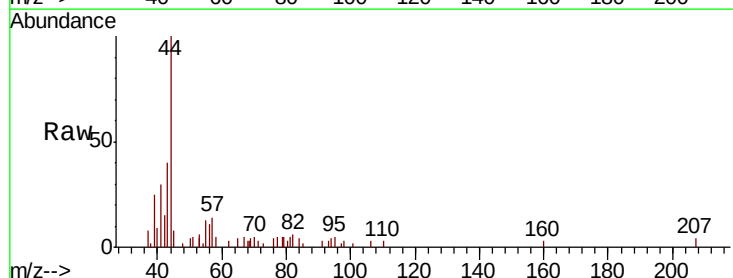
Acq: 9 Nov 2018 12:39

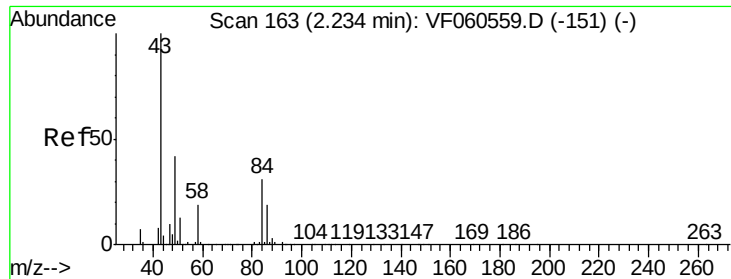
Tgt Ion: 43 Resp: 2146

Ion Ratio Lower Upper

43 100

74 0.0 12.1 18.1#

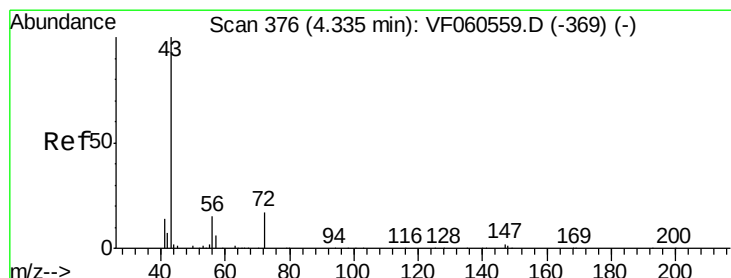
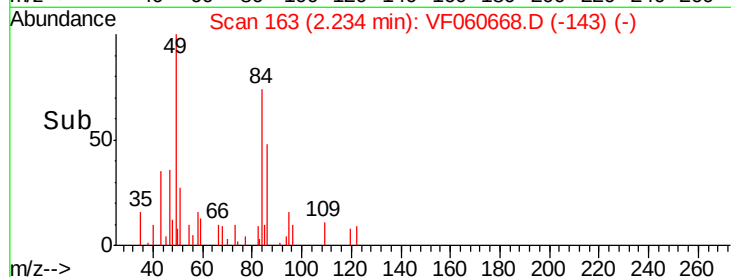
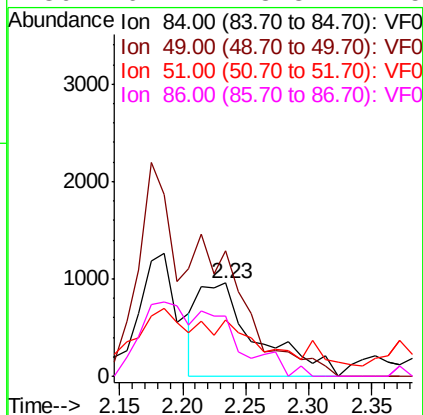
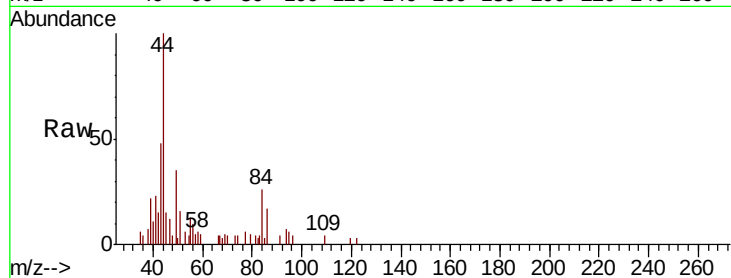




#20
Methylene Chloride
Concen: Below Cal
RT: 2.23 min Scan# 163
Delta R.T. 0.00 min
Lab File: VF060668.D
Acq: 9 Nov 2018 12:39

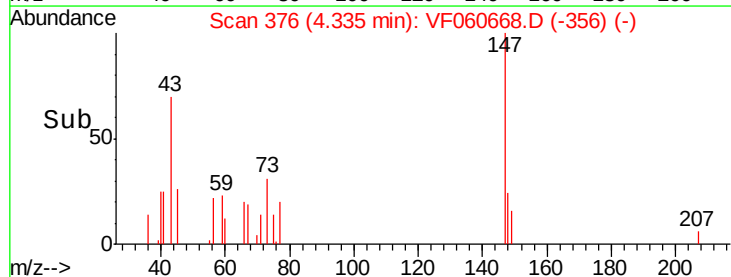
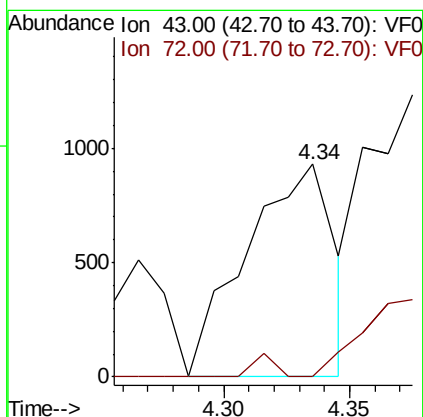
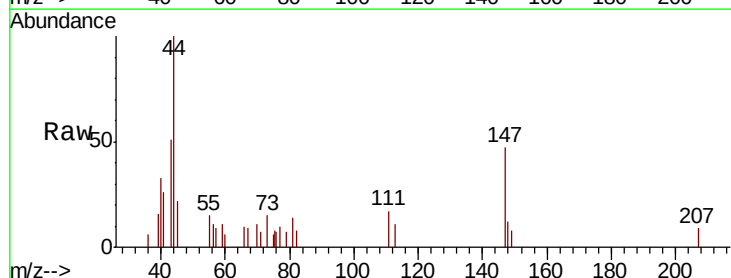
Instrument :
MSVOA_F
ClientSampleId :
VF1109SBL01

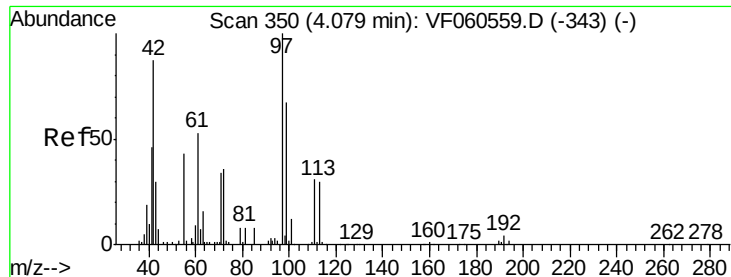
Tgt Ion: 84 Resp: 3072
Ion Ratio Lower Upper
84 100
49 134.6 109.9 164.9
51 60.8 35.8 53.8#
86 64.7 48.3 72.5



#25
2-Butanone
Concen: Below Cal
RT: 4.34 min Scan# 376
Delta R.T. 0.00 min
Lab File: VF060668.D
Acq: 9 Nov 2018 12:39

Tgt Ion: 43 Resp: 2255
Ion Ratio Lower Upper
43 100
72 0.0 16.2 24.2#

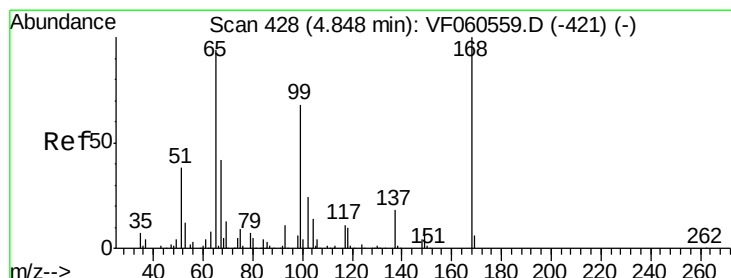
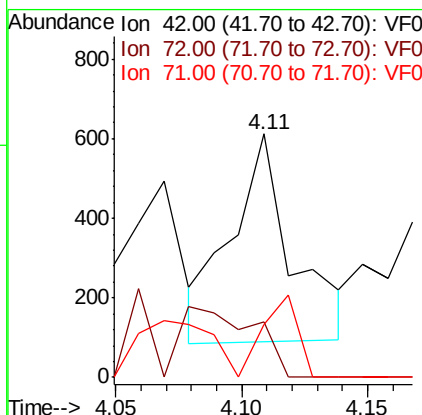
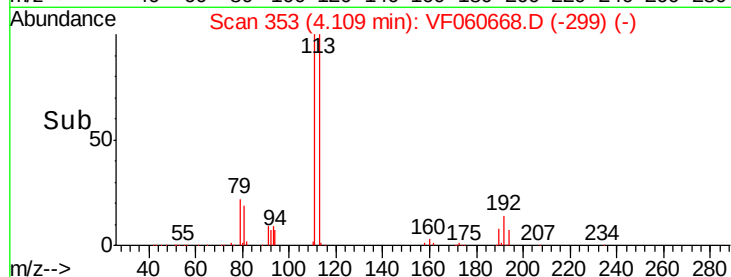
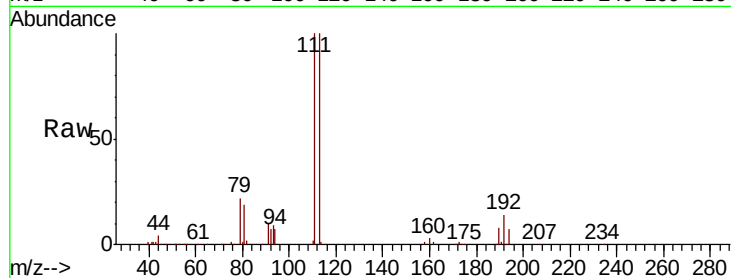




#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.11 min Scan# 353
Delta R.T. 0.03 min
Lab File: VF060668.D
Acq: 9 Nov 2018 12:39

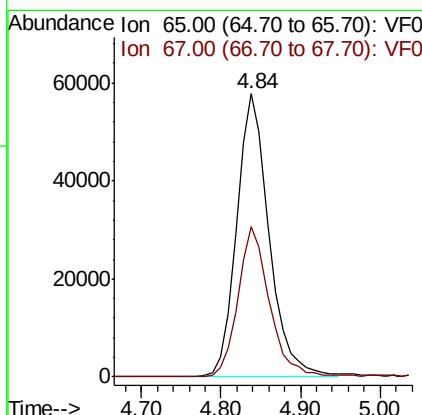
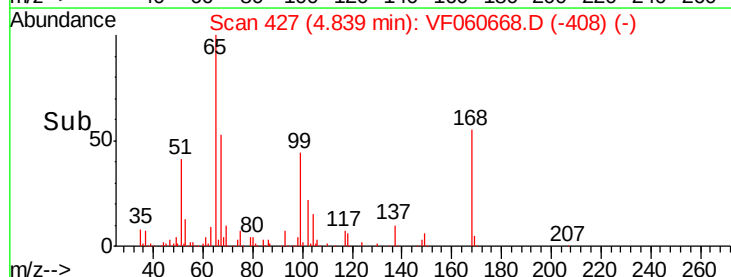
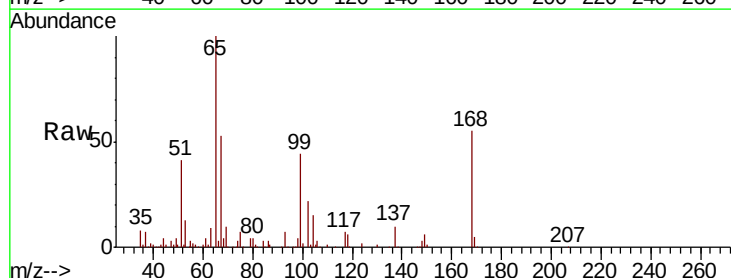
Instrument :
MSVOA_F
ClientSampleId :
VF1109SBL01

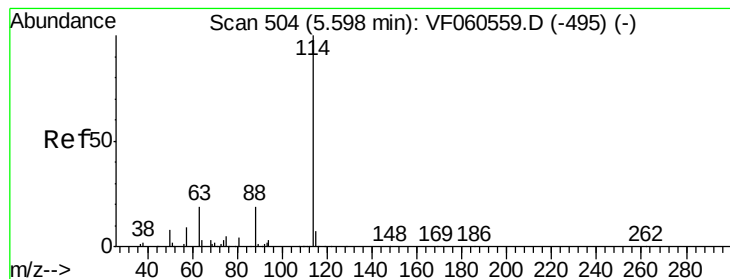
Tgt Ion: 42 Resp: 881
Ion Ratio Lower Upper
42 100
72 0.0 31.4 47.0#
71 22.7 31.8 47.6#



#33
1,2-Dichloroethane-d4
Concen: 60.145 ug/l
RT: 4.84 min Scan# 427
Delta R.T. -0.01 min
Lab File: VF060668.D
Acq: 9 Nov 2018 12:39

Tgt Ion: 65 Resp: 162361
Ion Ratio Lower Upper
65 100
67 53.1 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. 0.00 min

Lab File: VF060668.D

Acq: 9 Nov 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

VF1109SBL01

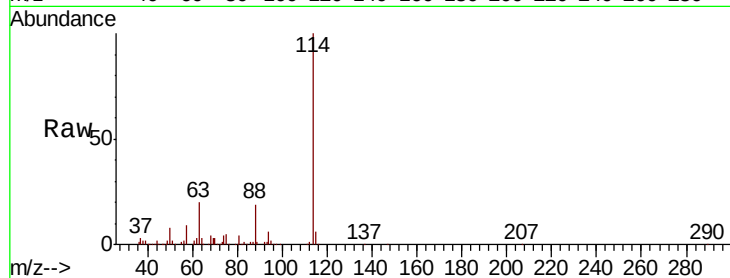
Tgt Ion:114 Resp: 507105

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.0

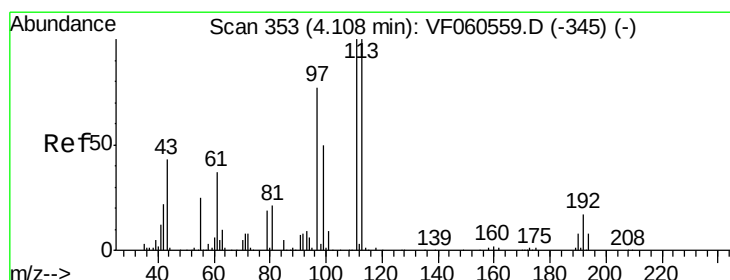
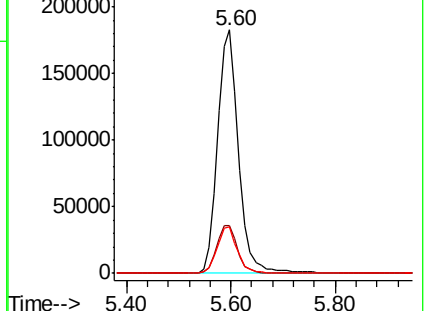
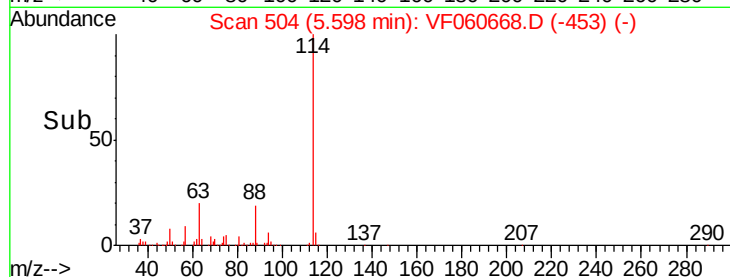
88 18.9 0.0 38.2



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



#35

Dibromofluoromethane

Concen: 51.644 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.00 min

Lab File: VF060668.D

Acq: 9 Nov 2018 12:39

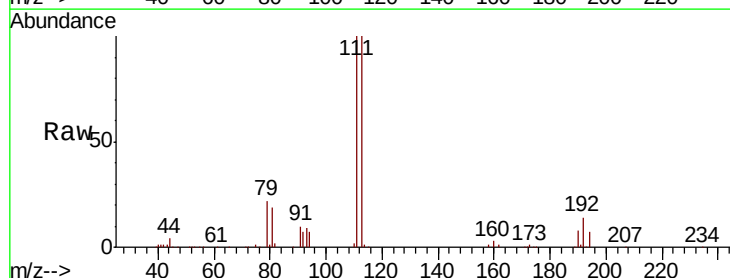
Tgt Ion:113 Resp: 202336

Ion Ratio Lower Upper

113 100

111 99.9 79.9 119.9

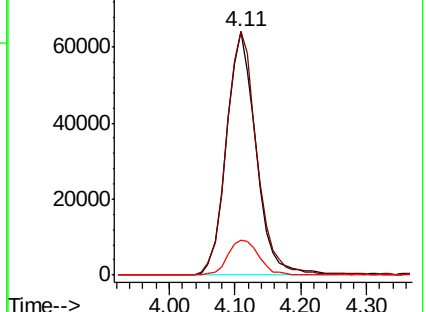
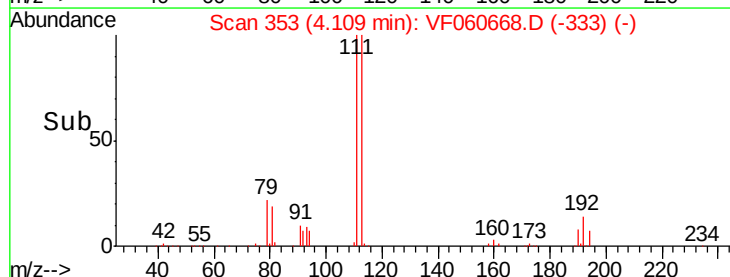
192 14.7 13.3 19.9

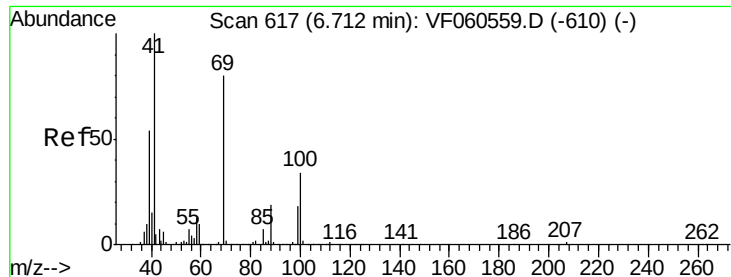


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

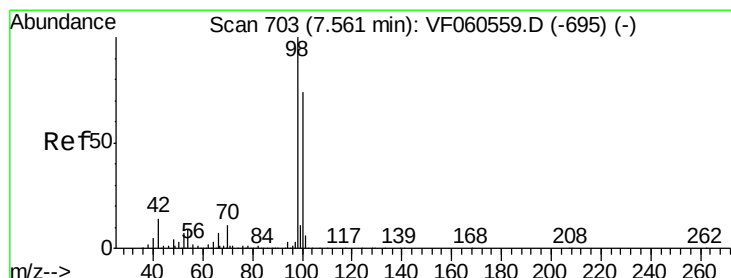
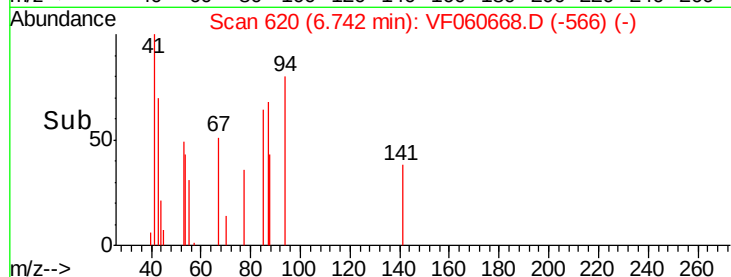
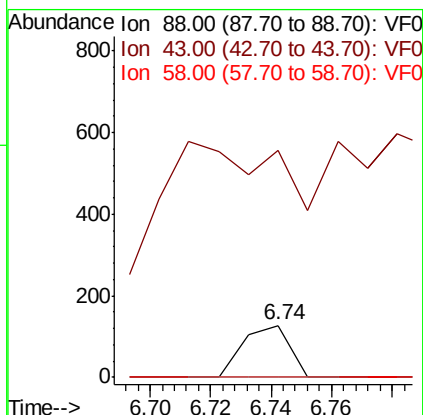
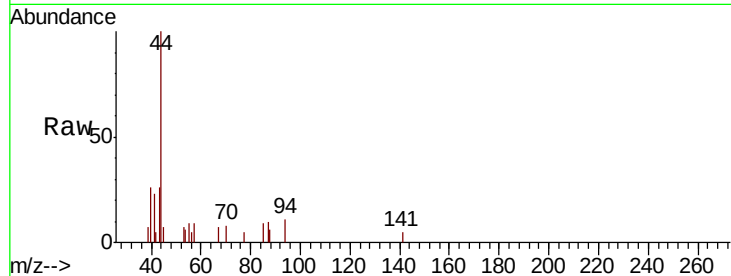




#49
1,4-Dioxane
Concen: 6.146 ug/l
RT: 6.74 min Scan# 620
Delta R.T. 0.03 min
Lab File: VF060668.D
Acq: 9 Nov 2018 12:39

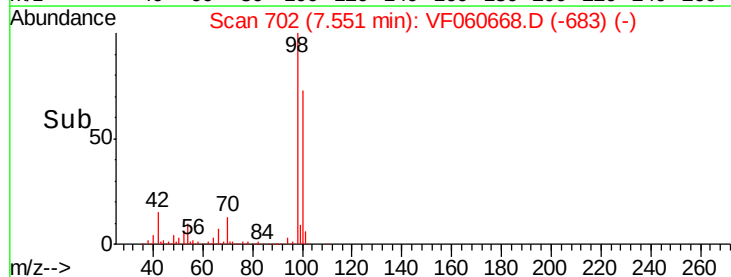
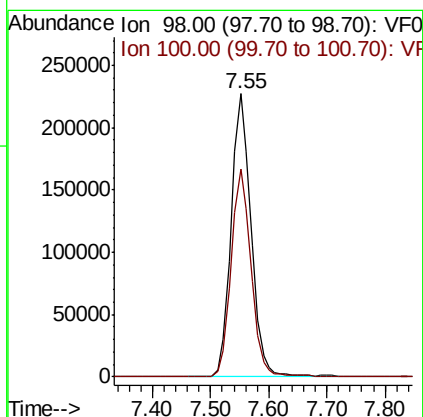
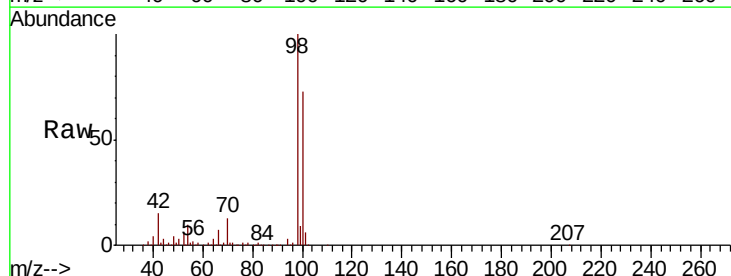
Instrument :
MSVOA_F
ClientSampleId :
VF1109SBL01

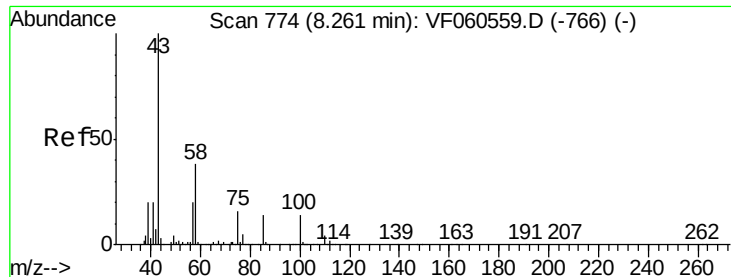
Tgt Ion: 88 Resp: 137
Ion Ratio Lower Upper
88 100
43 438.6 61.2 91.8#
58 0.0 56.9 85.3#



#50
Toluene-d8
Concen: 46.543 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.01 min
Lab File: VF060668.D
Acq: 9 Nov 2018 12:39

Tgt Ion: 98 Resp: 540169
Ion Ratio Lower Upper
98 100
100 73.3 59.4 89.2





#51

4-Methyl-2-Pentanone

Concen: 3.276 ug/l

RT: 8.26 min Scan# 774

Delta R.T. 0.00 min

Lab File: VF060668.D

Acq: 9 Nov 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

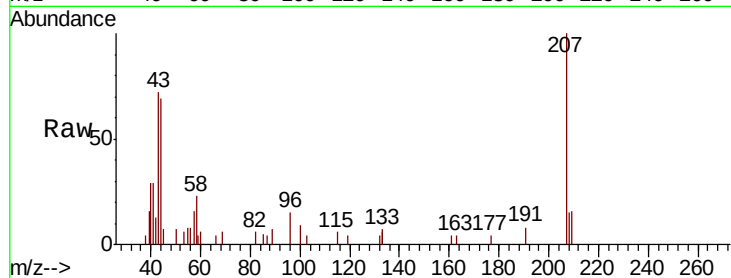
VF1109SBL01

Tgt Ion: 43 Resp: 7470

Ion Ratio Lower Upper

43 100

58 32.6 30.1 45.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.26

2000

1500

1000

500

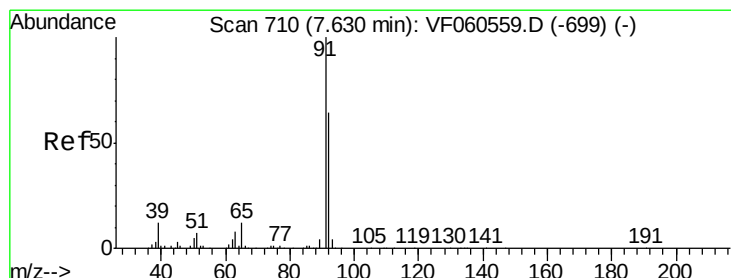
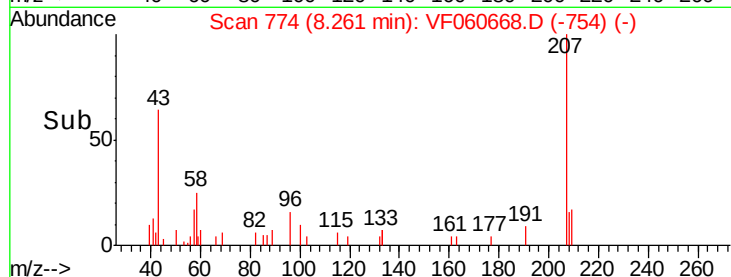
0

8.20

8.30

8.40

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: Below Cal

RT: 7.63 min Scan# 710

Delta R.T. 0.00 min

Lab File: VF060668.D

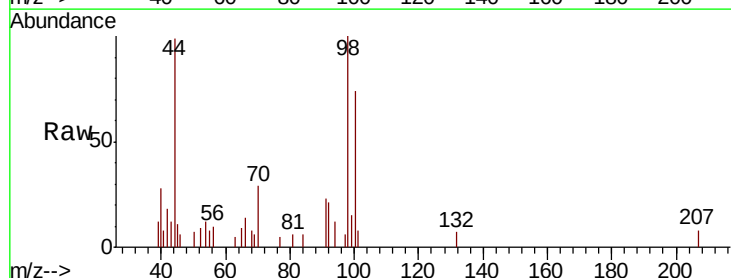
Acq: 9 Nov 2018 12:39

Tgt Ion: 63 Resp: 60

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

7.63

120

100

80

60

40

20

0

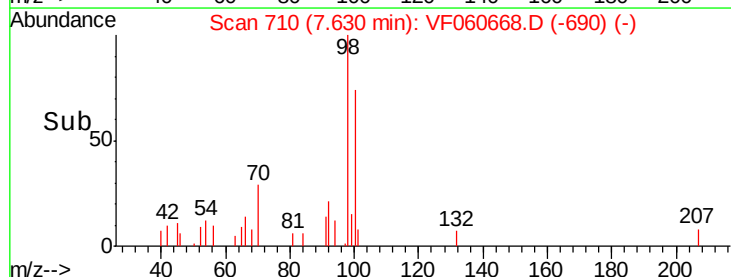
7.60

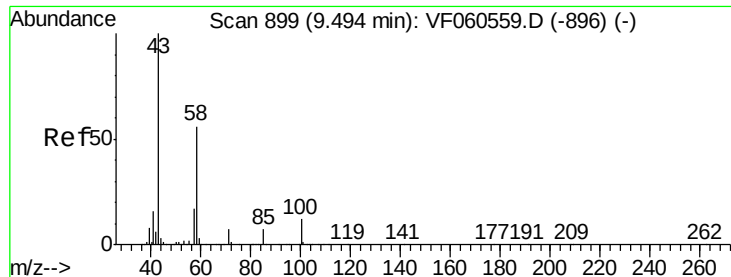
7.62

7.64

7.66

Time-->

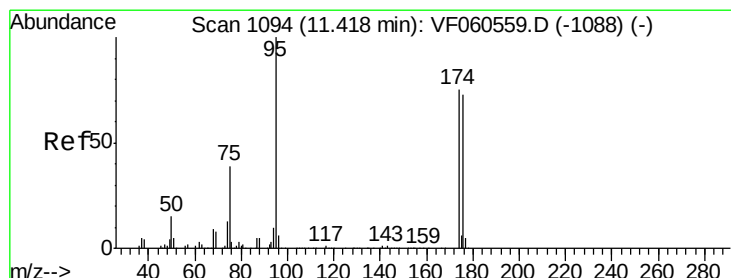
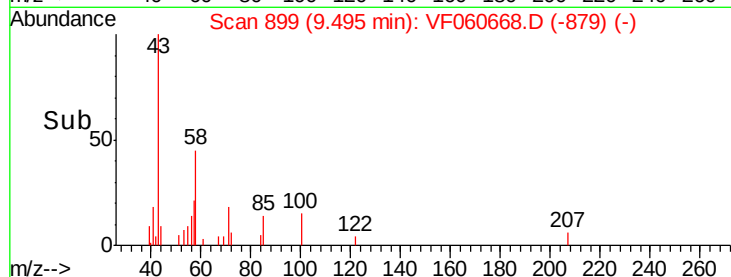
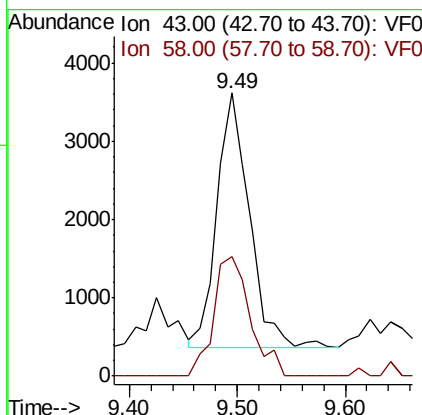
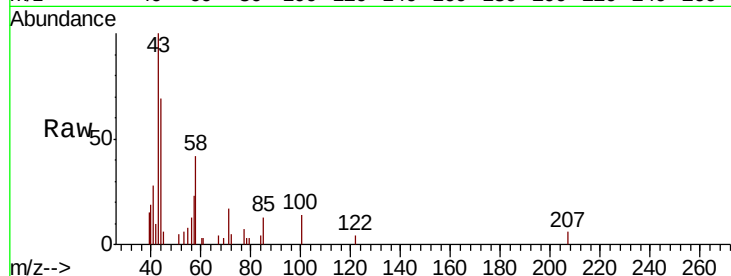




#59
2-Hexanone
Concen: Below Cal
RT: 9.49 min Scan# 899
Delta R.T. 0.00 min
Lab File: VF060668.D
Acq: 9 Nov 2018 12:39

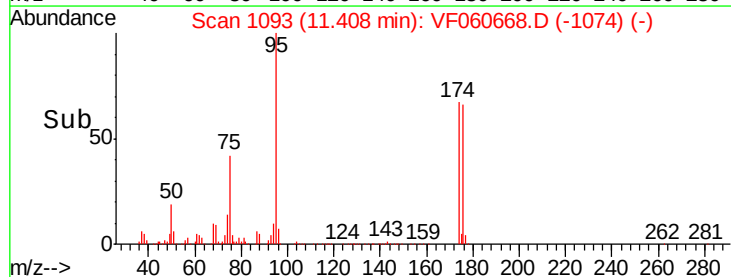
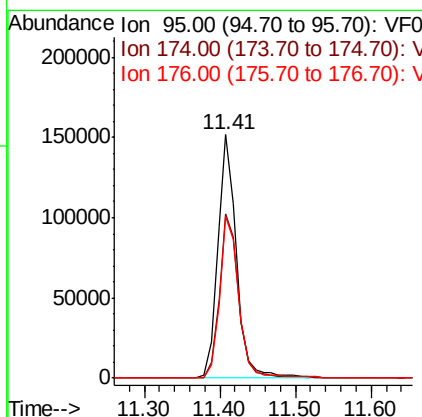
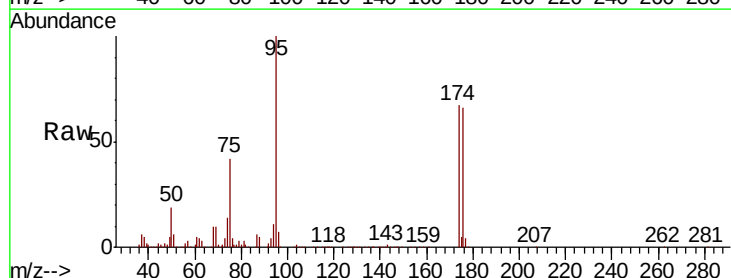
Instrument :
MSVOA_F
ClientSampleId :
VF1109SBL01

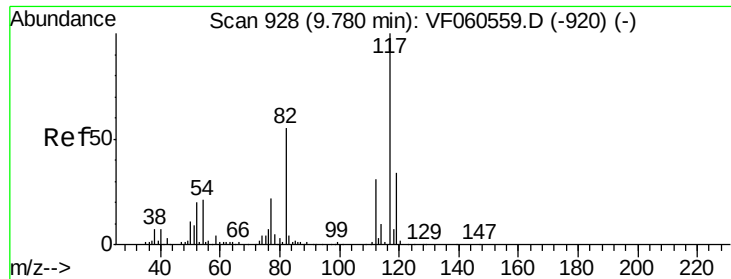
Tgt Ion: 43 Resp: 6729
Ion Ratio Lower Upper
43 100
58 42.1 26.1 78.3



#62
4-Bromofluorobenzene
Concen: 52.022 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VF060668.D
Acq: 9 Nov 2018 12:39

Tgt Ion: 95 Resp: 264094
Ion Ratio Lower Upper
95 100
174 67.2 0.0 149.0
176 66.3 0.0 145.6

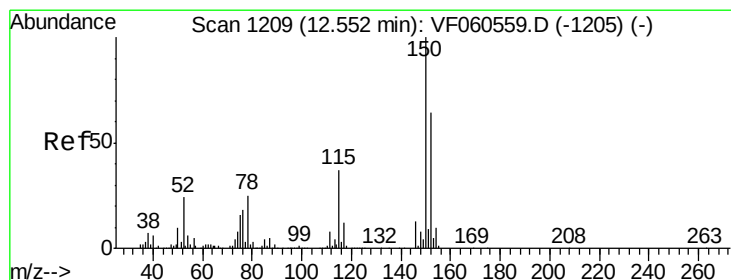
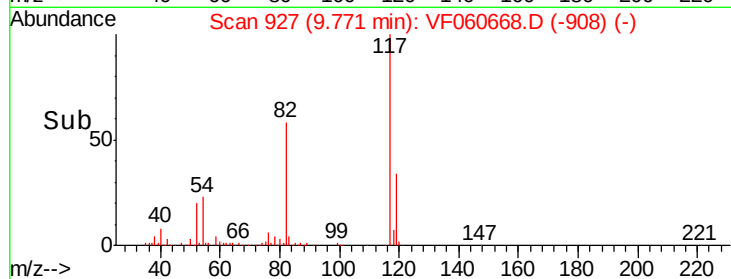
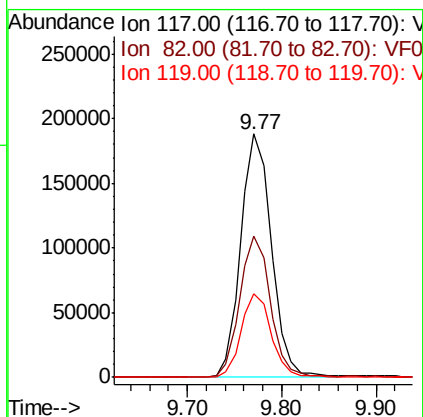
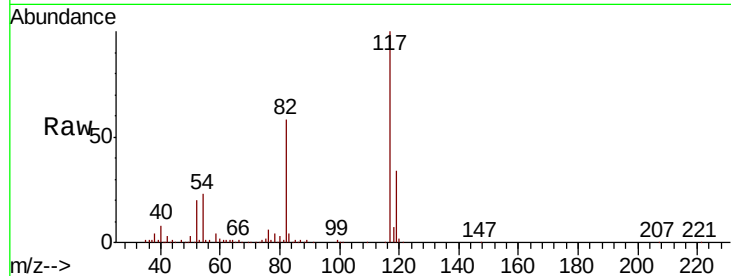




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.01 min
Lab File: VF060668.D
Acq: 9 Nov 2018 12:39

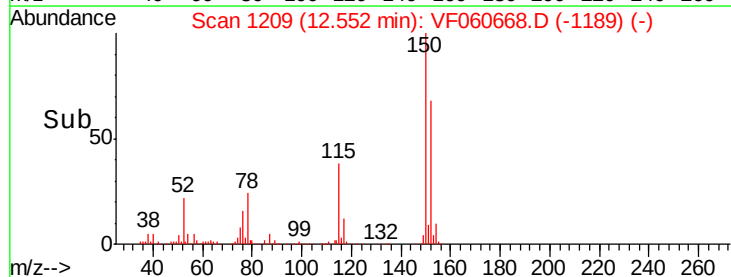
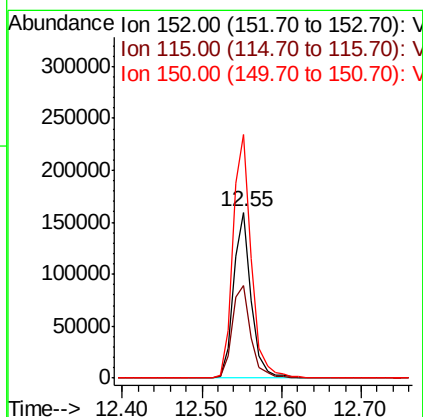
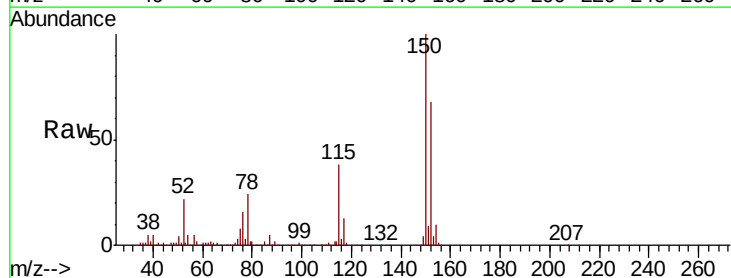
Instrument :
MSVOA_F
ClientSampleId :
VF1109SBL01

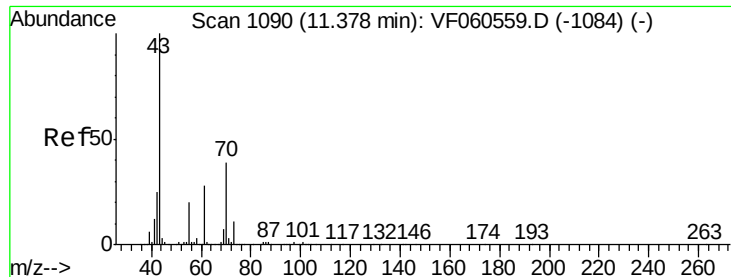
Tgt Ion:117 Resp: 426160
Ion Ratio Lower Upper
117 100
82 58.0 43.9 65.9
119 34.4 27.4 41.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. 0.00 min
Lab File: VF060668.D
Acq: 9 Nov 2018 12:39

Tgt Ion:152 Resp: 248935
Ion Ratio Lower Upper
152 100
115 56.1 29.6 88.8
150 146.7 0.0 315.6





#74

N-ethyl acetate

Concen: Below Cal

RT: 11.38 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VF060668.D

Acq: 9 Nov 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

VF1109SBL01

Tgt Ion: 43 Resp: 6120

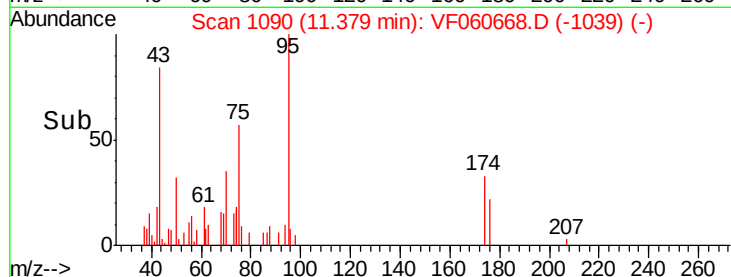
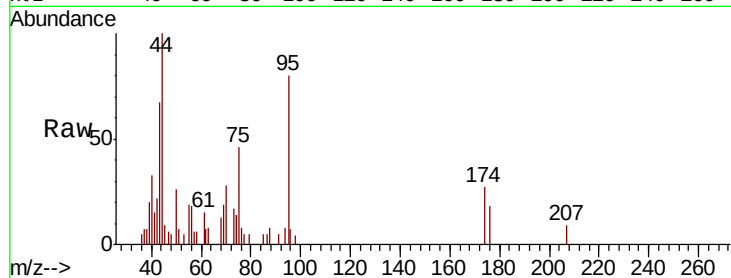
Ion Ratio Lower Upper

43 100

70 41.8 30.9 46.3

55 28.0 16.6 24.8#

61 21.9 22.0 33.0#



Abundance

Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

