

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF112018\
 Data File : VF060812.D
 Acq On : 20 Nov 2018 19:39
 Operator : VA/AP
 Sample : J5952-05
 Misc : 4.29g/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VTW-03(4-6)

Quant Time: Nov 21 03:16:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

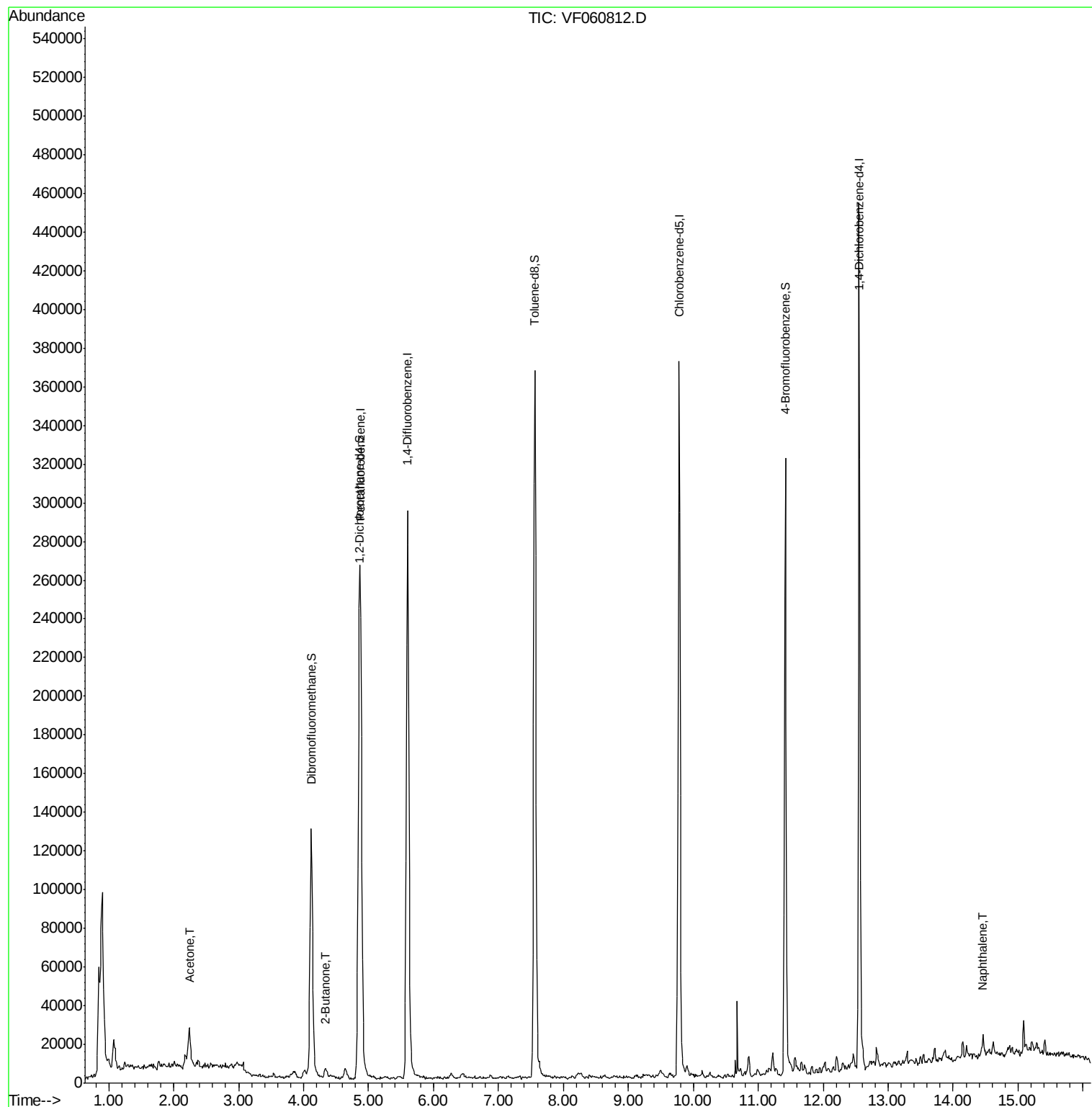
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	206544	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.60	114	333394	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.78	117	268347	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	111407	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	96185	40.83	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	81.66%	
35) Dibromofluoromethane	4.12	113	119947	47.86	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	95.72%	
50) Toluene-d8	7.56	98	307238	47.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.20%	
62) 4-Bromofluorobenzene	11.42	95	124110	41.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.26%	
Target Compounds						
16) Acetone	2.24	43	28526	56.65	ug/l	93
25) 2-Butanone	4.34	43	11540	13.93	ug/l #	84
95) Naphthalene	14.46	128	6399	1.40	ug/l #	94

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.01 min

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ClientSampleId :

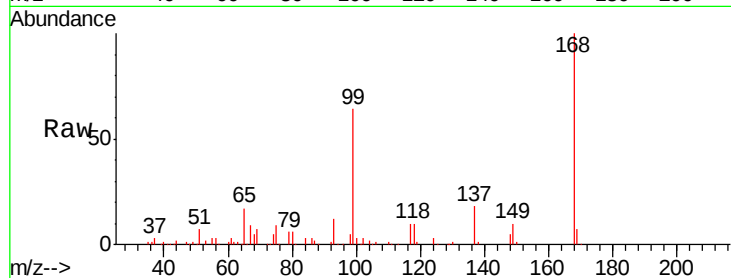
VTW-03(4-6)

Tgt Ion:168 Resp: 206544

Ion Ratio Lower Upper

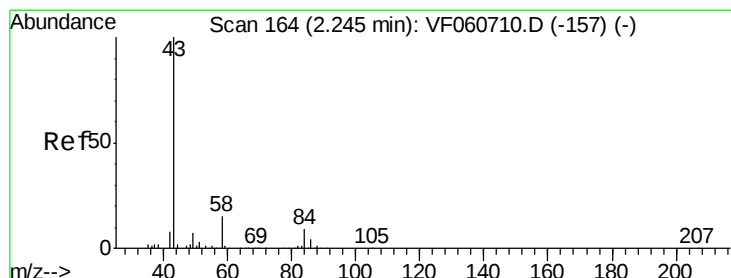
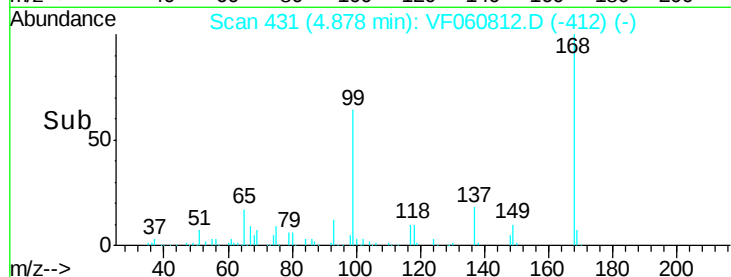
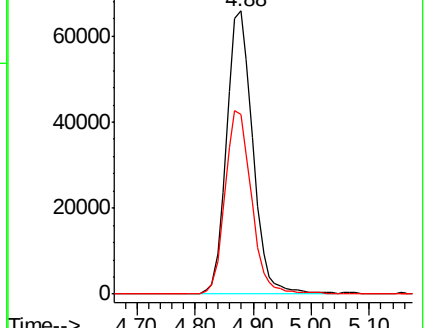
168 100

99 63.6 57.2 85.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#16

Acetone

Concen: 56.65 ug/l

RT: 2.24 min Scan# 164

Delta R.T. -0.00 min

Lab File: VF060812.D

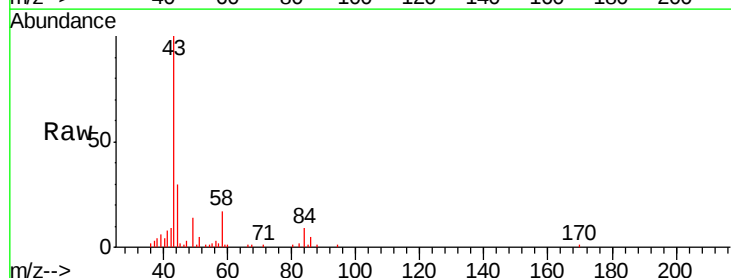
Acq: 20 Nov 2018 19:39

Tgt Ion: 43 Resp: 28526

Ion Ratio Lower Upper

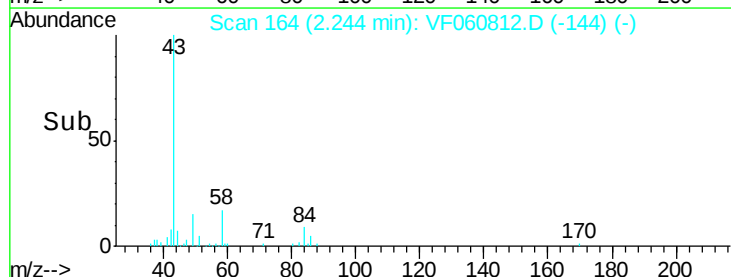
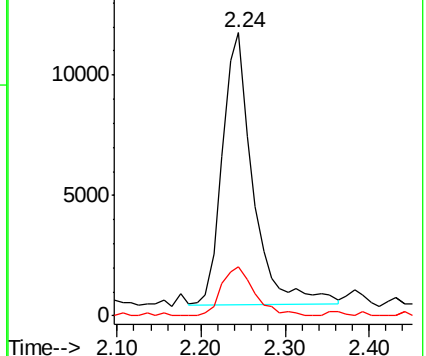
43 100

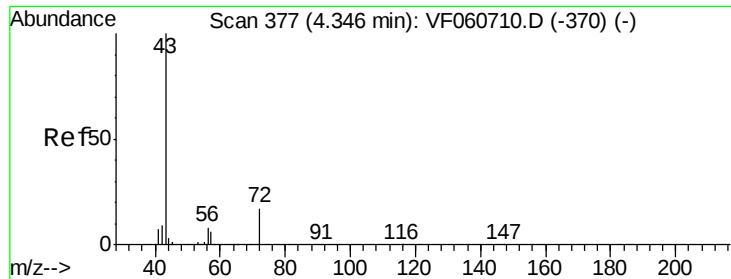
58 17.2 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#25

2-Butanone

Concen: 13.93 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.01 min

Lab File: VF060812.D

Acq: 20 Nov 2018 19:39

Instrument :

MSVOA_F

ClientSampleId :

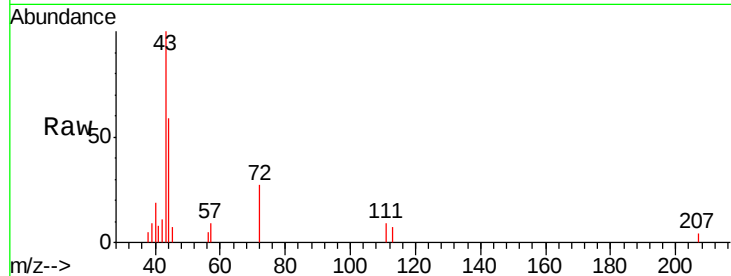
VTW-03(4-6)

Tgt Ion: 43 Resp: 11540

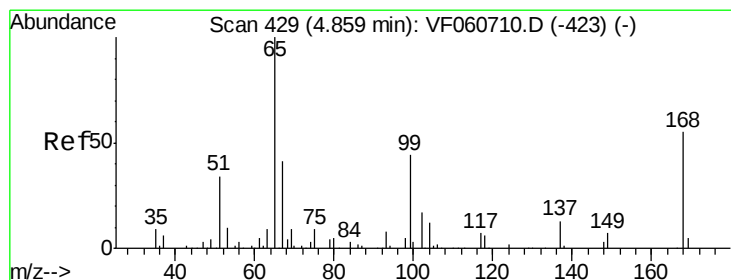
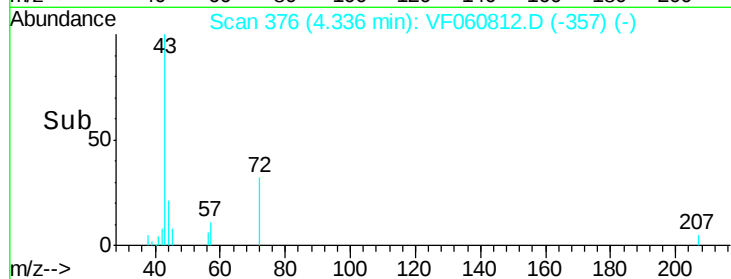
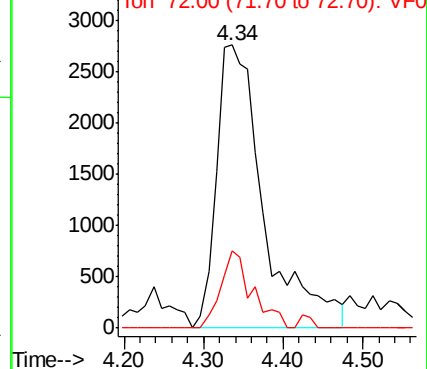
Ion Ratio Lower Upper

43 100

72 27.5 16.1 24.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 40.83 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.01 min

Lab File: VF060812.D

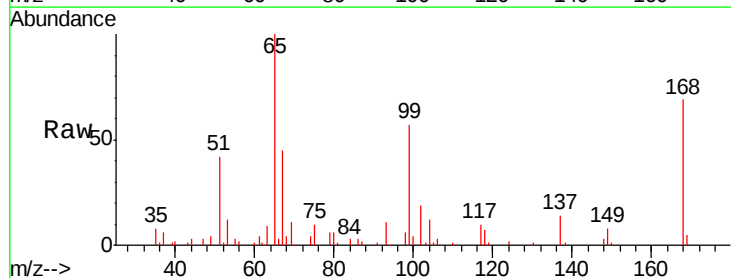
Acq: 20 Nov 2018 19:39

Tgt Ion: 65 Resp: 96185

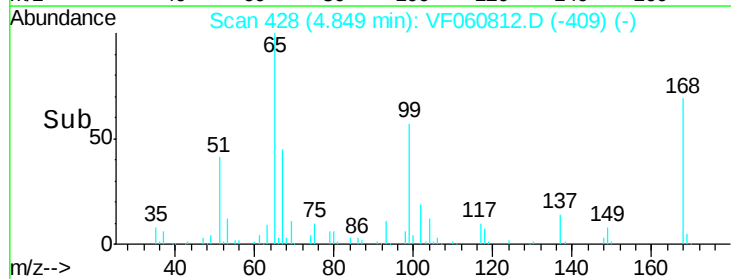
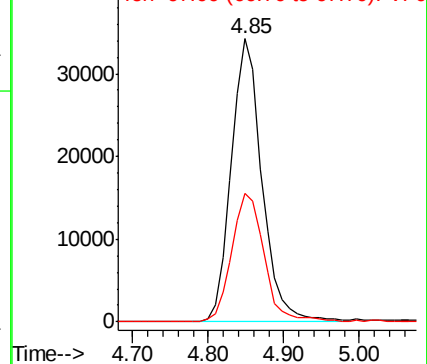
Ion Ratio Lower Upper

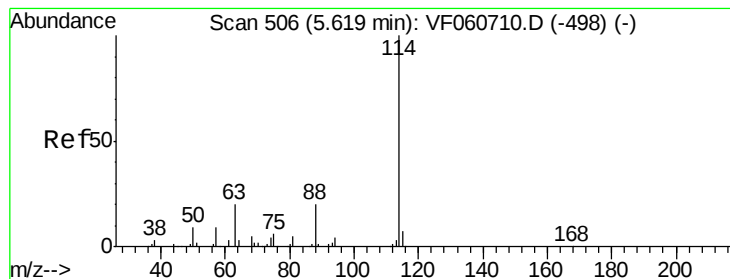
65 100

67 45.3 0.0 90.2



Abundance Ion 65.00 (64.70 to 65.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.60 min Scan# 504

Delta R.T. -0.02 min

Lab File: VF060812.D

Acq: 20 Nov 2018 19:39

Instrument :

MSVOA_F

ClientSampleId :

VTW-03(4-6)

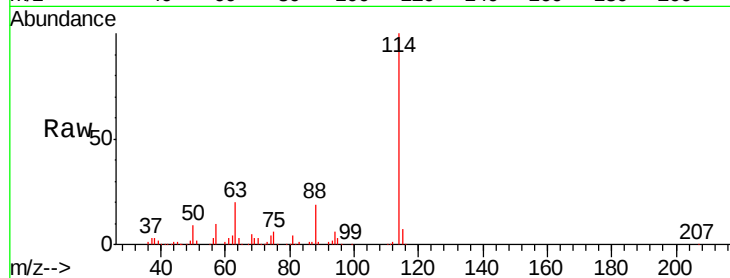
Tgt Ion:114 Resp: 333394

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.8

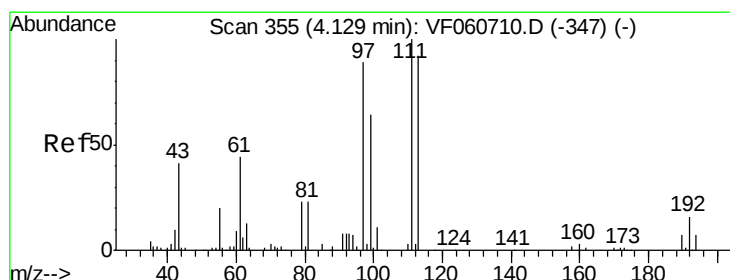
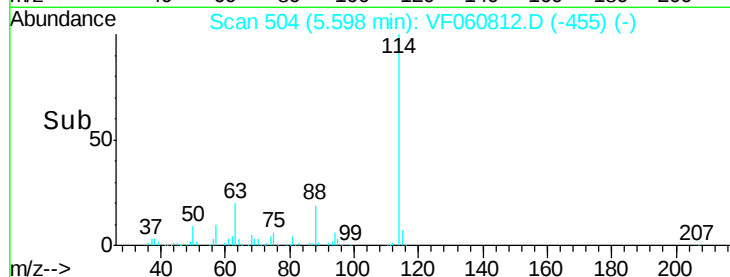
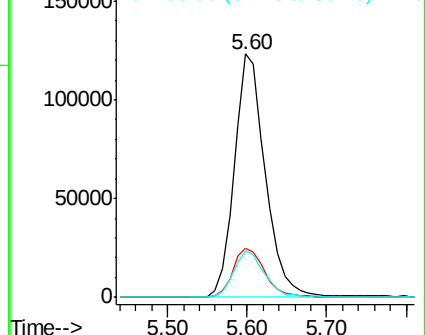
88 19.2 0.0 39.6



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: 47.86 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.01 min

Lab File: VF060812.D

Acq: 20 Nov 2018 19:39

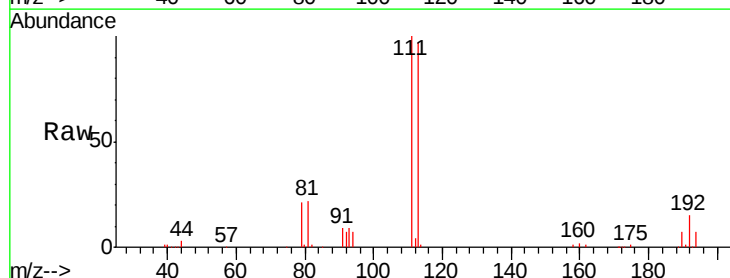
Tgt Ion:113 Resp: 119947

Ion Ratio Lower Upper

113 100

111 102.6 87.1 130.7

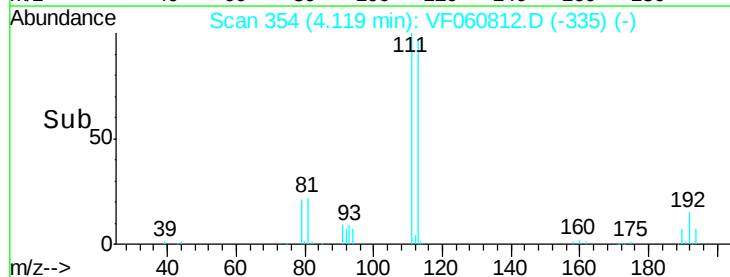
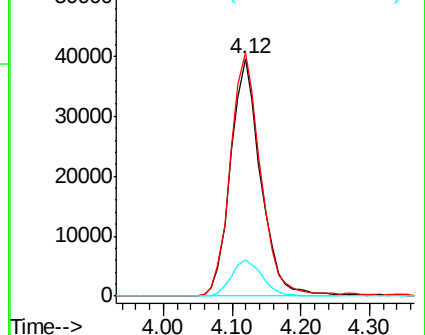
192 15.3 13.8 20.6

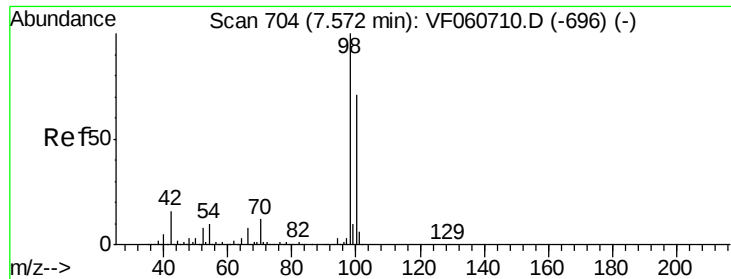


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 47.60 ug/l

RT: 7.56 min Scan# 703

Delta R.T. -0.01 min

Lab File: VF060812.D

Acq: 20 Nov 2018 19:39

Instrument :

MSVOA_F

ClientSampleId :

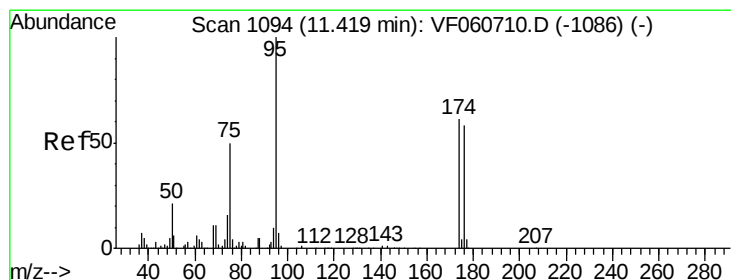
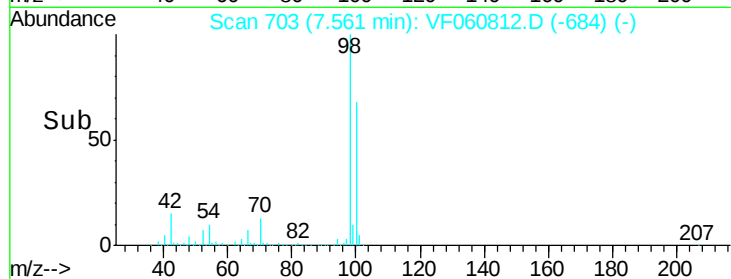
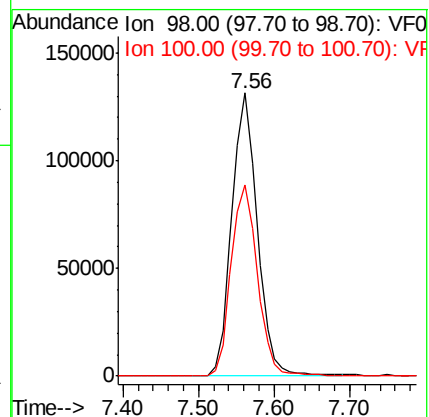
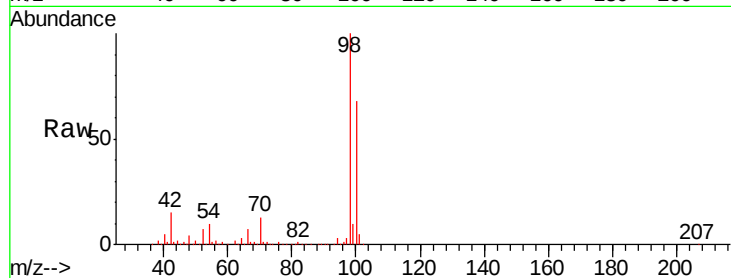
VTW-03(4-6)

Tgt Ion: 98 Resp: 307238

Ion Ratio Lower Upper

98 100

100 67.6 56.5 84.7



#62

4-Bromofluorobenzene

Concen: 41.13 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF060812.D

Acq: 20 Nov 2018 19:39

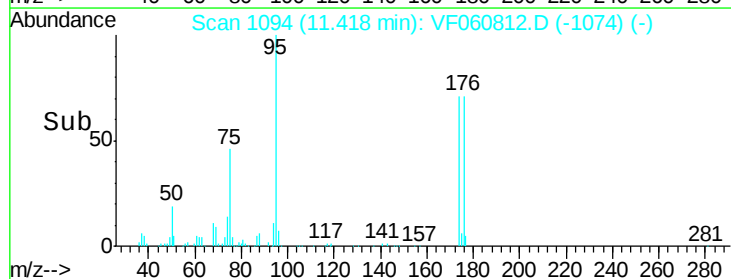
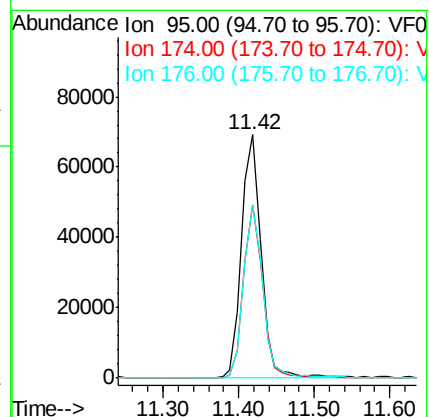
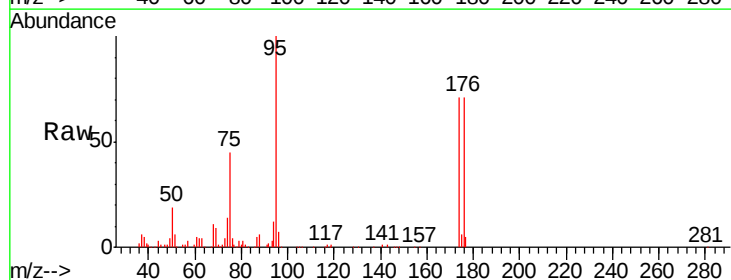
Tgt Ion: 95 Resp: 124110

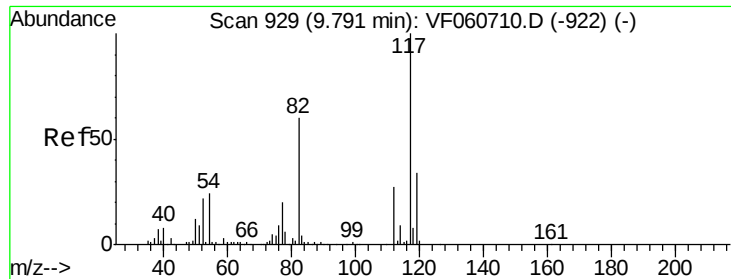
Ion Ratio Lower Upper

95 100

174 71.2 0.0 121.6

176 71.2 0.0 115.2

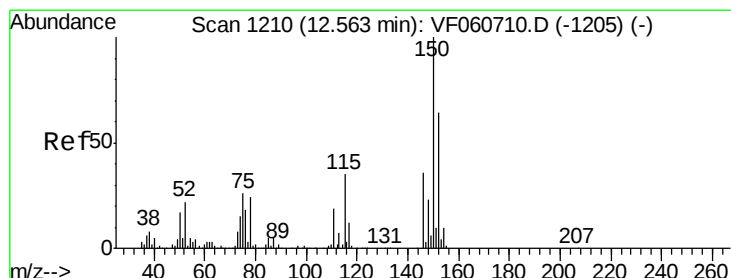
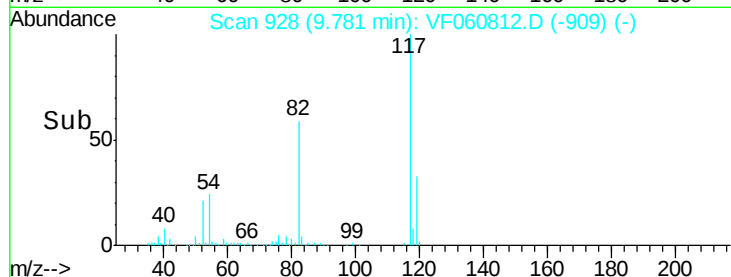
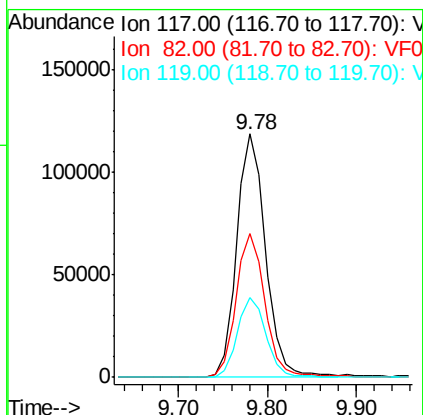
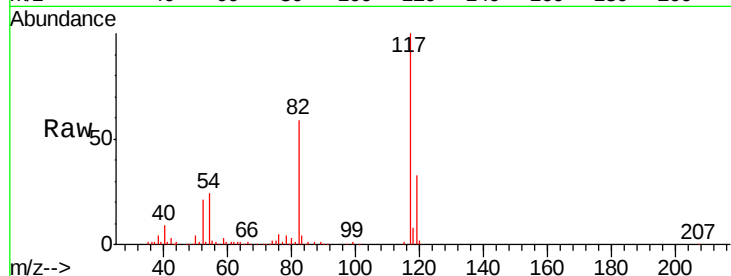




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF060812.D
Acq: 20 Nov 2018 19:39

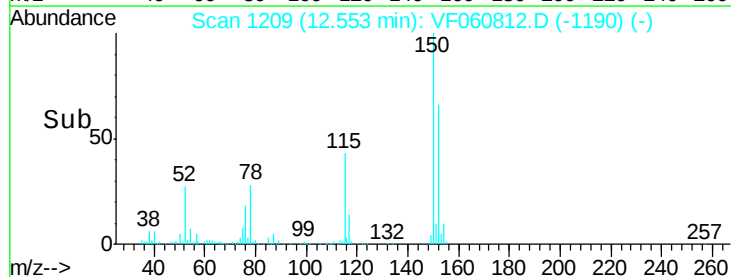
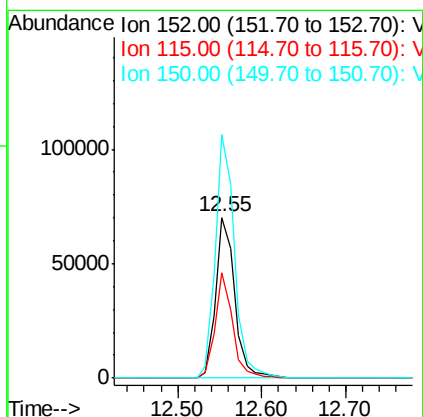
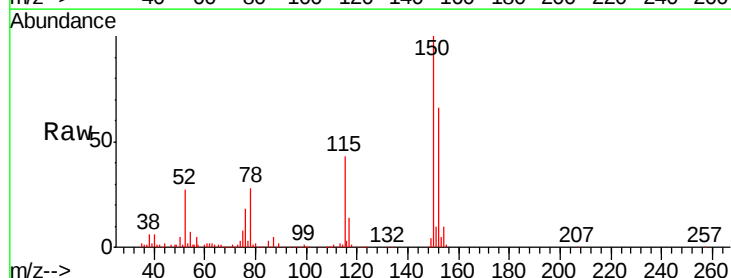
Instrument :
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VTW-03(4-6)

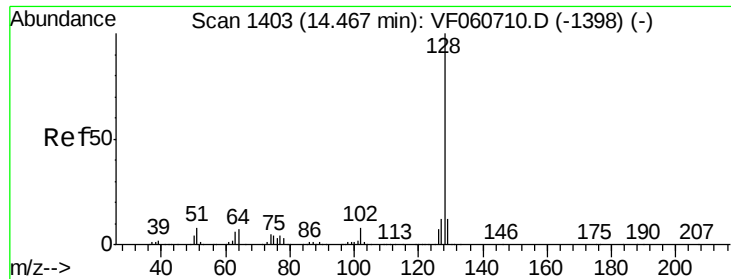
Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.9	47.9	71.9
119	32.5	26.8	40.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.01 min
Lab File: VF060812.D
Acq: 20 Nov 2018 19:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.2	27.9	83.7
150	151.5	0.0	316.4





#95
Naphthalene
Concen: 1.40 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. -0.01 min
Lab File: VF060812.D
Acq: 20 Nov 2018 19:39

Instrument :
MSVOA_F
ClientSampleId :
VTW-03(4-6)

Tgt Ion:128 Resp: 6399
Ion Ratio Lower Upper
128 100
127 11.4 9.8 14.6
129 15.2 9.3 13.9#

