

Data Path : W:\HPCHEM1\MSVOA_F\DATA\VF022318\
 Data File : VF056661.D
 Acq On : 23 Feb 2018 17:50
 Operator : JC/SY
 Sample : J1675-02
 Misc : 5.36g/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VNJ-223-A

Quant Time: Feb 24 01:09:01 2018
 Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F022018S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 21 08:56:21 2018
 Response via : Initial Calibration

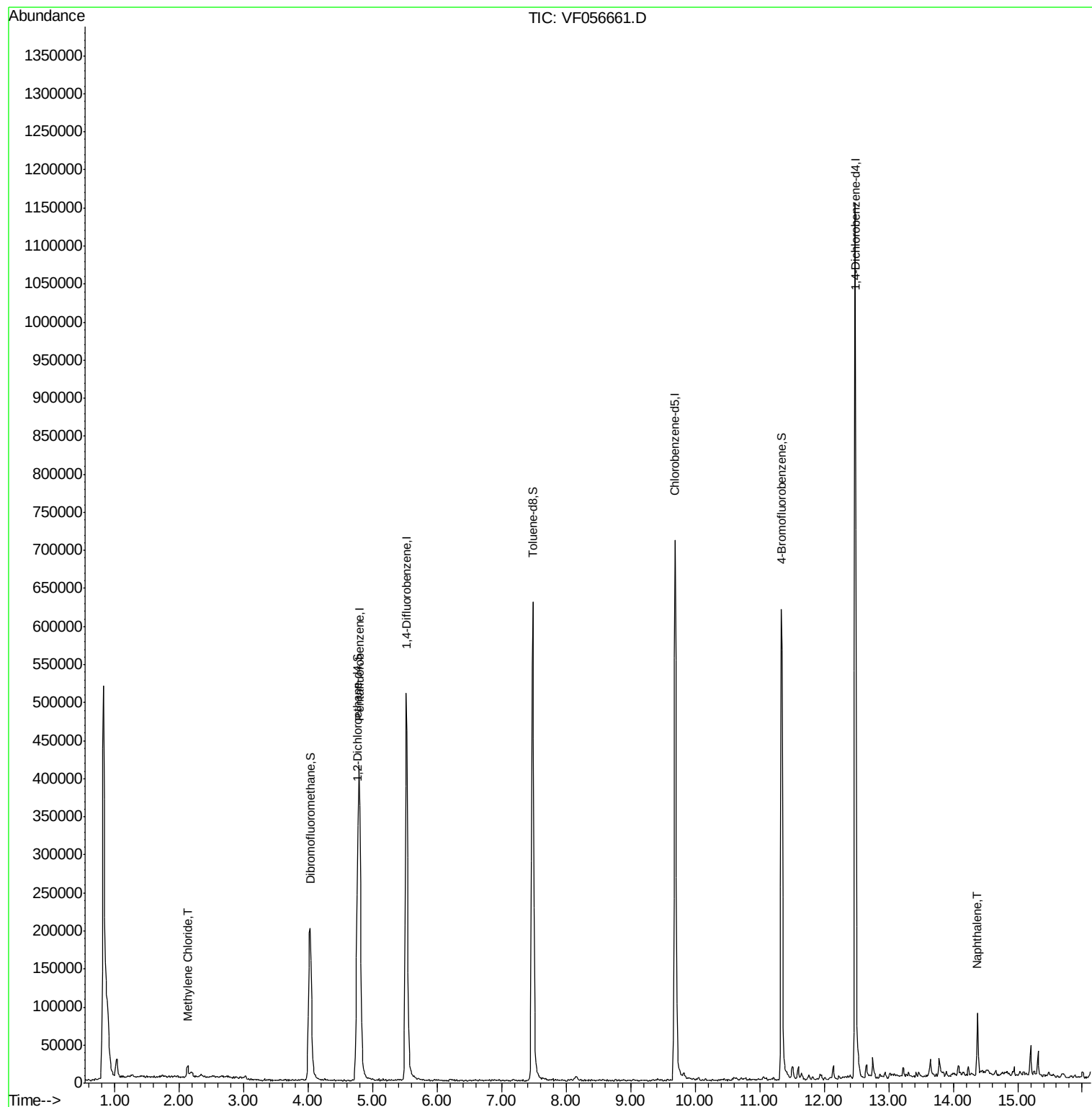
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.79	168	371681	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.52	114	567258	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.69	117	521948	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.48	152	274412	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.76	65	185388	41.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.52%	
35) Dibromofluoromethane	4.03	113	194726	45.64	ug/l	0.01
Spiked Amount 50.000			Recovery	=	91.28%	
50) Toluene-d8	7.48	98	535136	41.85	ug/l	0.01
Spiked Amount 50.000			Recovery	=	83.70%	
62) 4-Bromofluorobenzene	11.34	95	238318	40.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.94%	
Target Compounds						
20) Methylene Chloride	2.14	84	6899	2.74	ug/l	89
95) Naphthalene	14.37	128	55329	3.75	ug/l	99

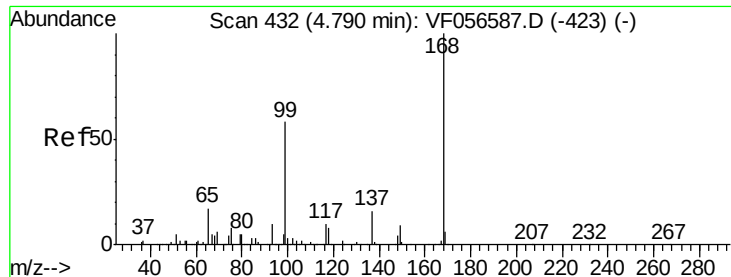
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Feb 21 08:56:21 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.79 min Scan# 432

Delta R.T. 0.00 min

Lab File: VF056661.D

Acq: 23 Feb 2018 17:50

Instrument :

MSVOA_F

ClientSampleId :

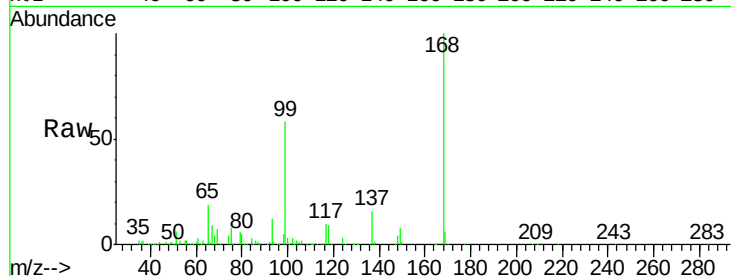
VNJ-223-A

Tgt Ion:168 Resp: 371681

Ion Ratio Lower Upper

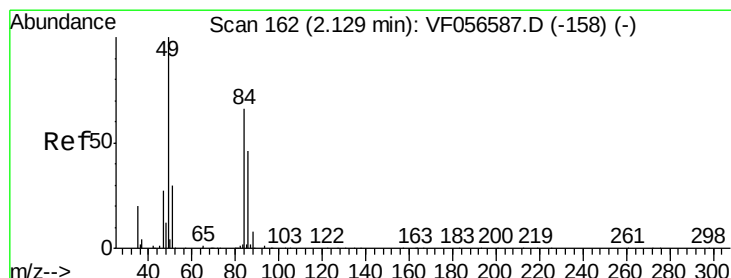
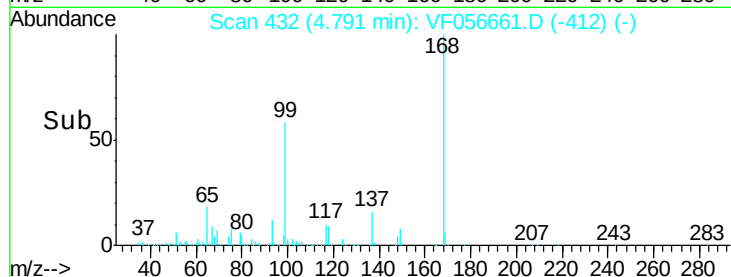
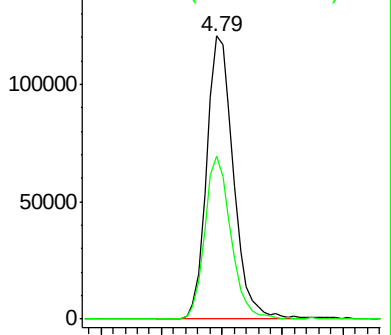
168 100

99 57.8 46.2 69.2



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#20

Methylene Chloride

Concen: 2.74 ug/l

RT: 2.14 min Scan# 163

Delta R.T. 0.01 min

Lab File: VF056661.D

Acq: 23 Feb 2018 17:50

Tgt Ion: 84 Resp: 6899

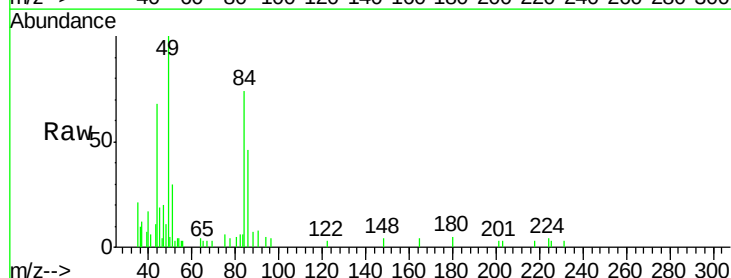
Ion Ratio Lower Upper

84 100

49 134.4 121.4 182.0

51 40.8 37.1 55.7

86 62.3 55.5 83.3

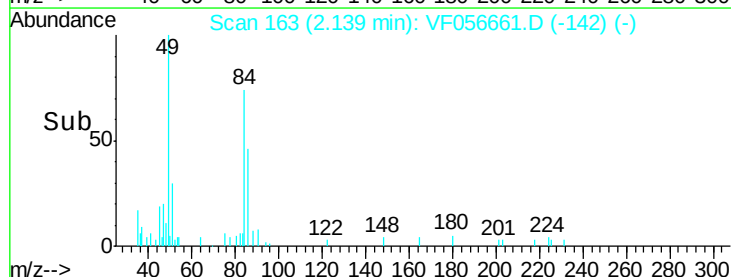
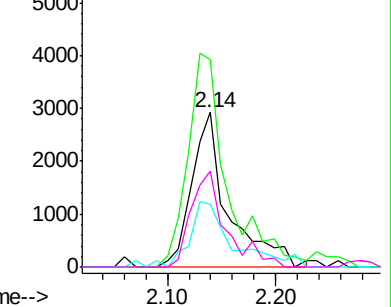


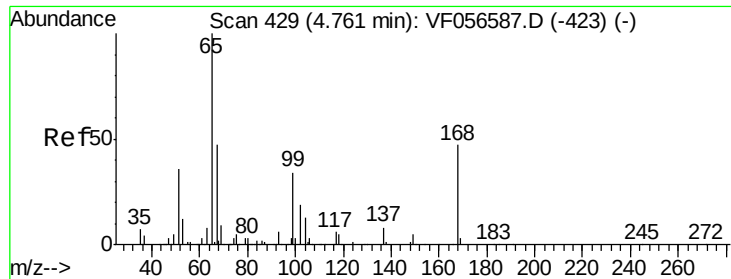
Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

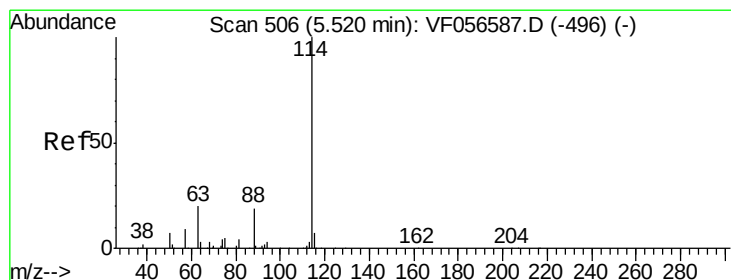
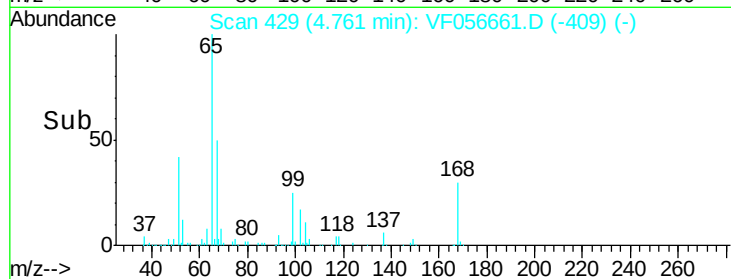
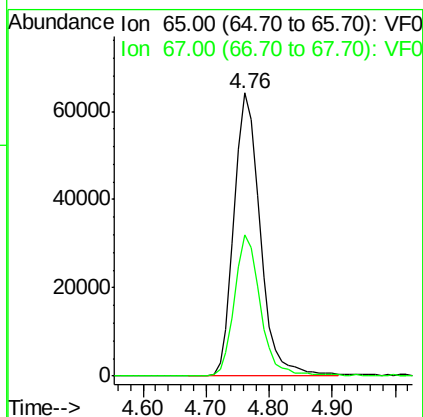
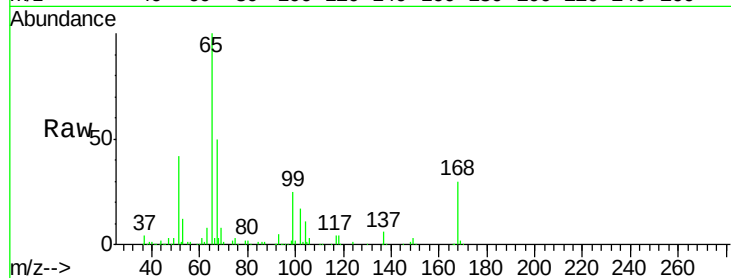




#33
 1,2-Dichloroethane-d4
 Concen: 41.26 ug/l
 RT: 4.76 min Scan# 429
 Delta R.T. 0.00 min
 Lab File: VF056661.D
 Acq: 23 Feb 2018 17:50

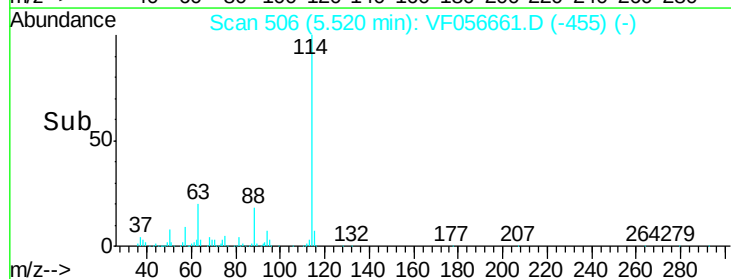
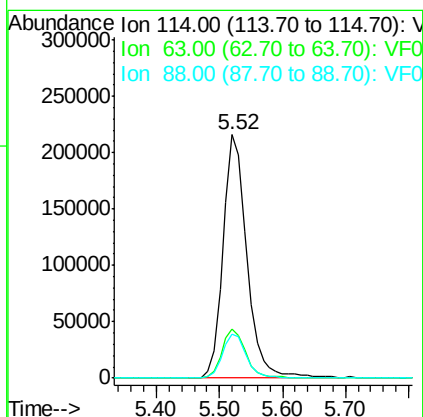
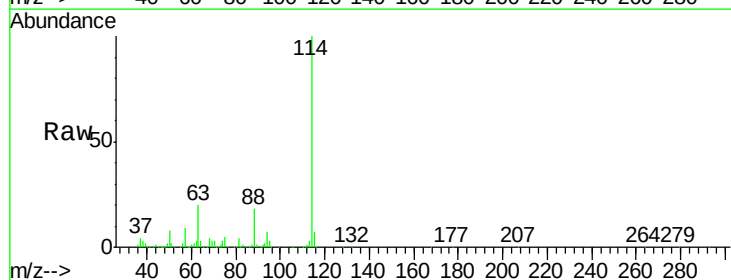
Instrument :
 MSVOA_F
 ClientSampleId :
 VNJ-223-A

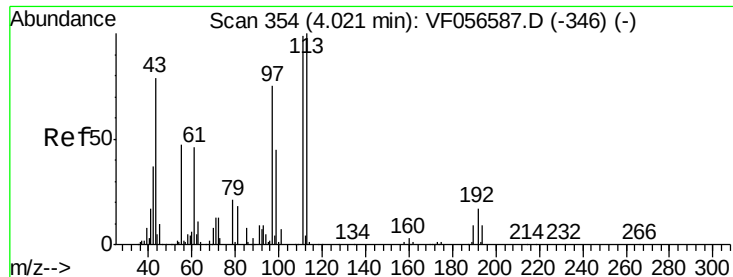
Tgt Ion: 65 Resp: 185388
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.52 min Scan# 506
 Delta R.T. 0.00 min
 Lab File: VF056661.D
 Acq: 23 Feb 2018 17:50

Tgt Ion: 114 Resp: 567258
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.6
 88 18.1 0.0 37.8





#35

Dibromofluoromethane

Concen: 45.64 ug/l

RT: 4.03 min Scan# 355

Delta R.T. 0.01 min

Lab File: VF056661.D

Acq: 23 Feb 2018 17:50

Instrument :

MSVOA_F

ClientSampleId :

VNJ-223-A

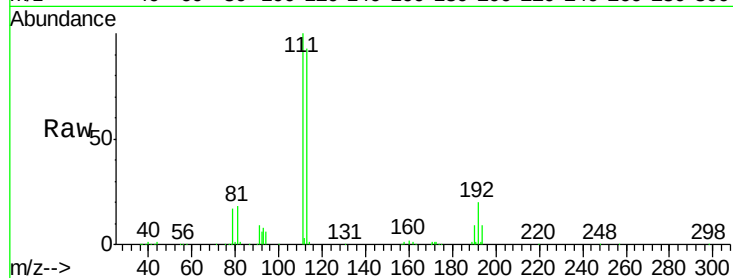
Tgt Ion: 113 Resp: 194726

Ion Ratio Lower Upper

113 100

111 107.2 79.1 118.7

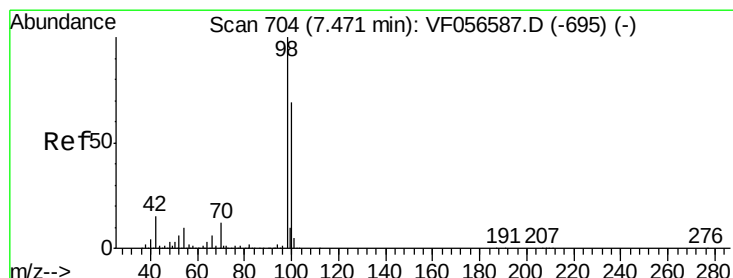
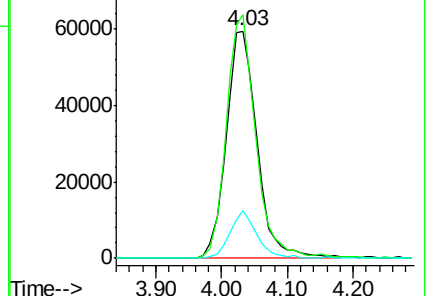
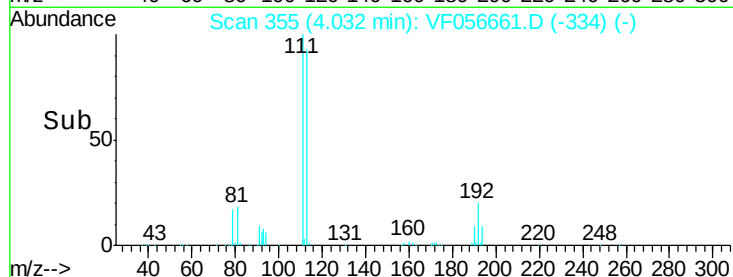
192 21.1 13.9 20.9#



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



#50

Toluene-d8

Concen: 41.85 ug/l

RT: 7.48 min Scan# 705

Delta R.T. 0.01 min

Lab File: VF056661.D

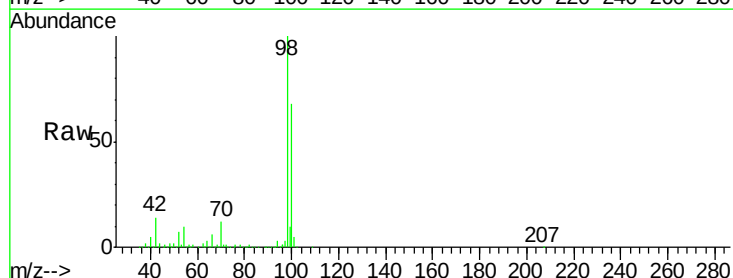
Acq: 23 Feb 2018 17:50

Tgt Ion: 98 Resp: 535136

Ion Ratio Lower Upper

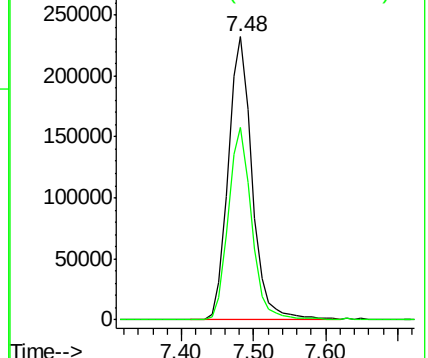
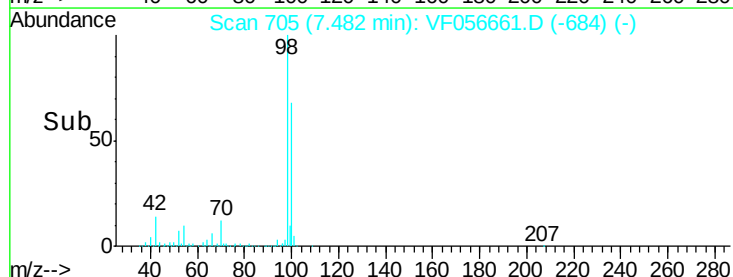
98 100

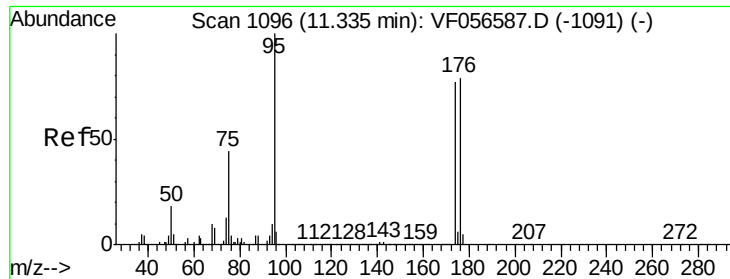
100 67.9 55.4 83.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

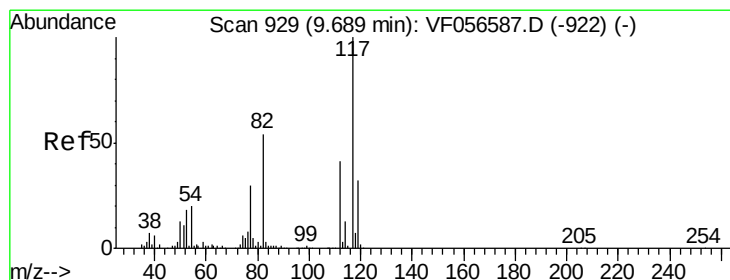
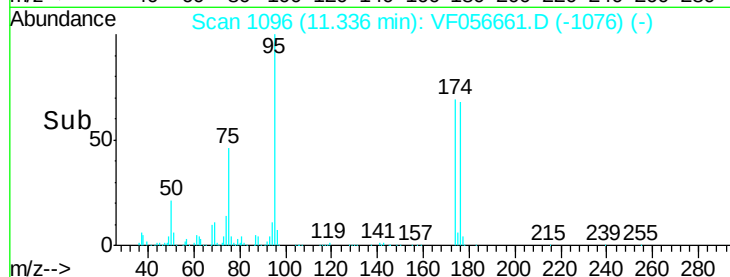
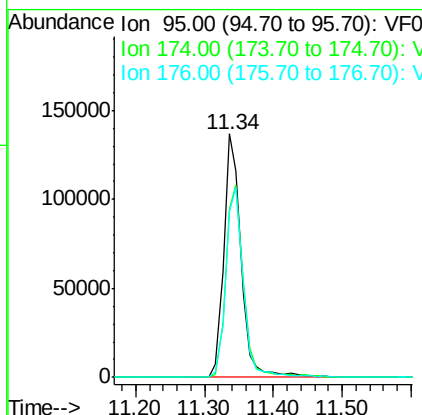
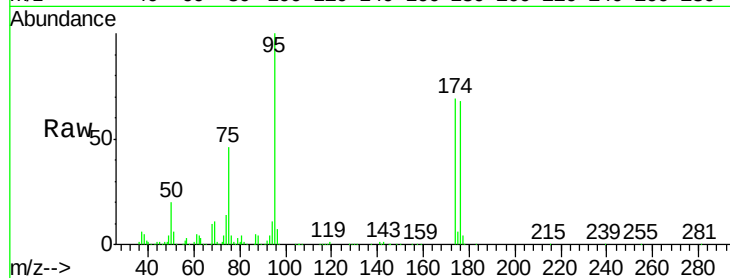




#62
4-Bromofluorobenzene
Concen: 40.97 ug/l
RT: 11.34 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VF056661.D
Acq: 23 Feb 2018 17:50

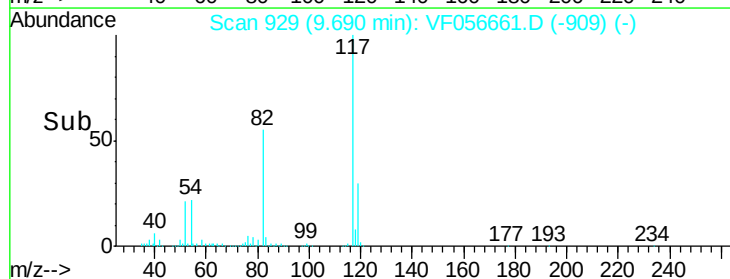
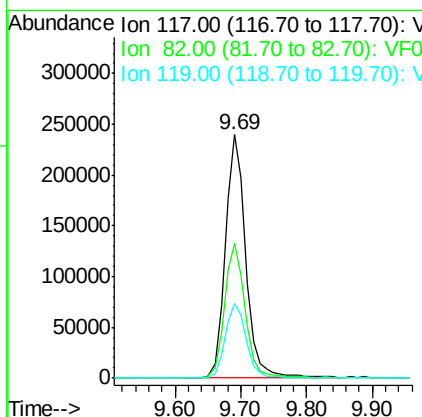
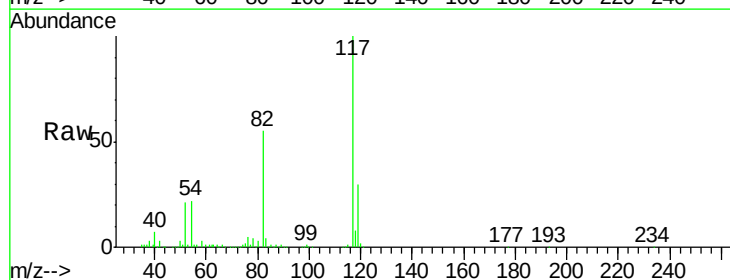
Instrument :
MSVOA_F
ClientSampleId :
VNJ-223-A

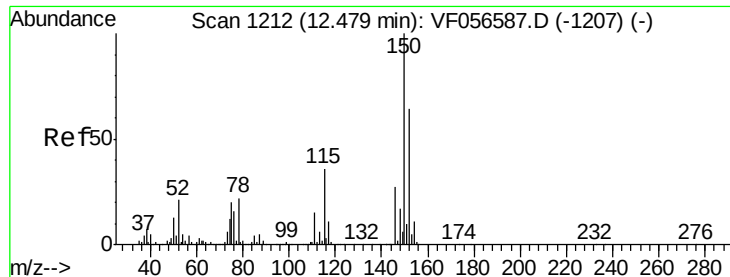
Tgt Ion: 95 Resp: 238318
Ion Ratio Lower Upper
95 100
174 69.1 0.0 154.2
176 67.9 0.0 157.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.69 min Scan# 929
Delta R.T. 0.00 min
Lab File: VF056661.D
Acq: 23 Feb 2018 17:50

Tgt Ion: 117 Resp: 521948
Ion Ratio Lower Upper
117 100
82 55.3 43.0 64.6
119 30.5 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.48 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VF056661.D

Acq: 23 Feb 2018 17:50

Instrument :

MSVOA_F

ClientSampleId :

VNJ-223-A

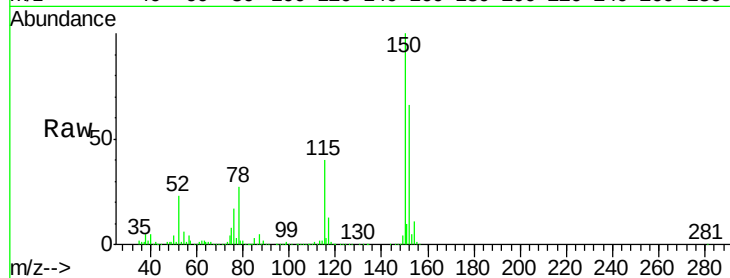
Tgt Ion:152 Resp: 274412

Ion Ratio Lower Upper

152 100

115 60.5 28.1 84.3

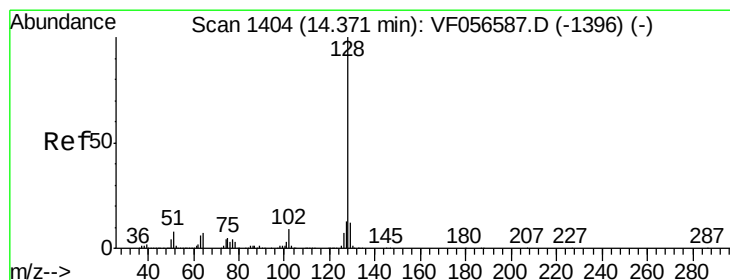
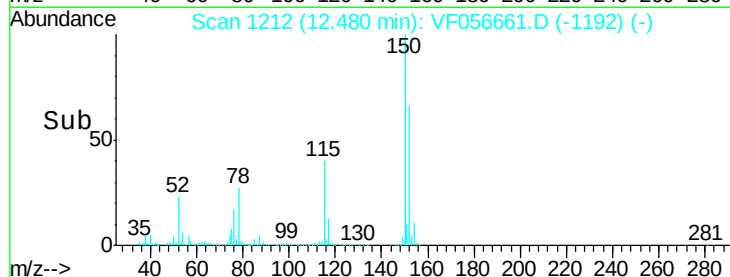
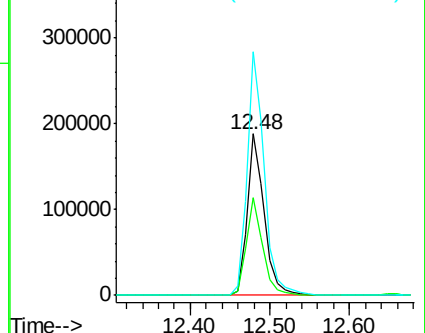
150 151.2 0.0 315.6



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



#95

Naphthalene

Concen: 3.75 ug/l

RT: 14.37 min Scan# 1404

Delta R.T. 0.00 min

Lab File: VF056661.D

Acq: 23 Feb 2018 17:50

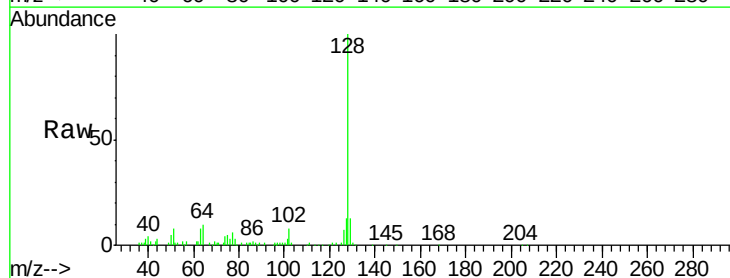
Tgt Ion:128 Resp: 55329

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

129 12.6 9.4 14.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

