

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110918\
 Data File : VF060687.D
 Acq On : 9 Nov 2018 22:28
 Operator : VA/AP
 Sample : J5887-03
 Misc : 5.01µ/5mL/MSVOA-F/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 W-1-S

Quant Time: Nov 12 05:57:17 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

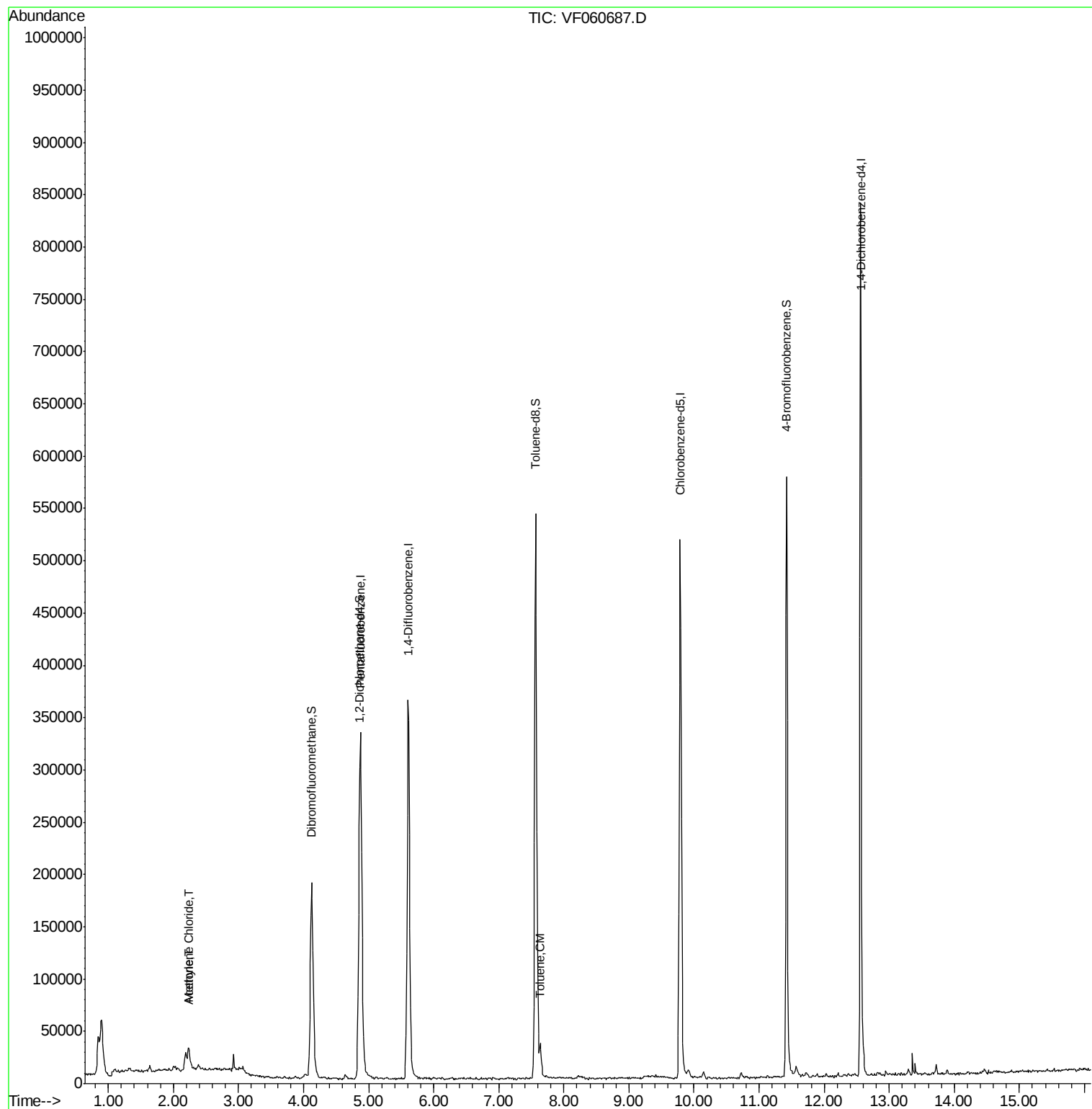
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	234419	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.60	114	408916	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	377376	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	209289	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	150896	63.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	127.42%	
35) Dibromofluoromethane	4.12	113	179604	56.85	ug/l	0.02
Spiked Amount 50.000			Recovery	=	113.70%	
50) Toluene-d8	7.57	98	456223	48.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.50%	
62) 4-Bromofluorobenzene	11.42	95	227542	55.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.16%	
Target Compounds						
16) Acetone	2.25	43	14164	25.378	ug/l	97
20) Methylene Chloride	2.23	84	14790m	3.899	ug/l	
52) Toluene	7.64	92	15015	2.109	ug/l	97

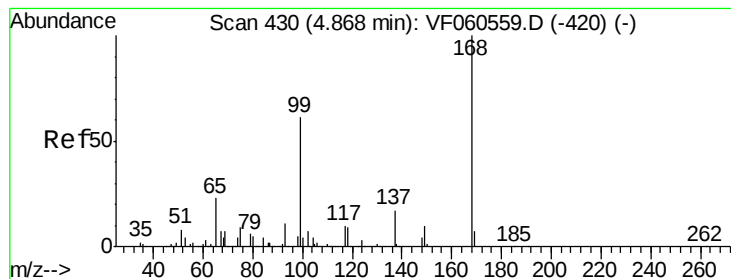
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.02 min

Lab File: VF060687.D

Acq: 9 Nov 2018 22:28

Instrument :

MSVOA_F

ClientSampleId :

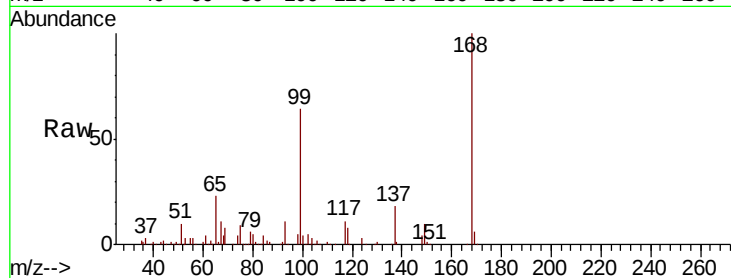
W-1-S

Tot Ion:168 Resp: 234419

Ion Ratio Lower Upper

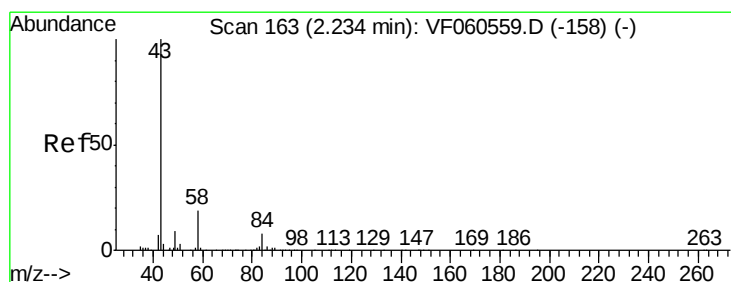
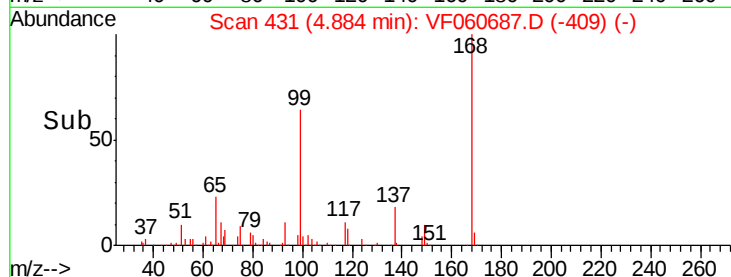
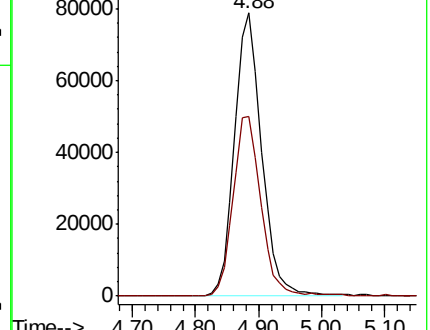
168 100

99 63.6 48.6 72.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#16

Acetone

Concen: 25.378 ug/l

RT: 2.25 min Scan# 164

Delta R.T. 0.02 min

Lab File: VF060687.D

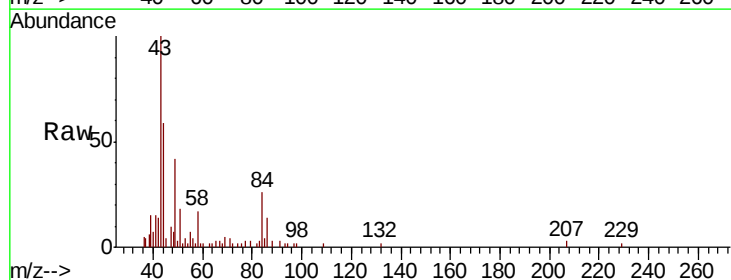
Acq: 9 Nov 2018 22:28

Tgt Ion: 43 Resp: 14164

Ion Ratio Lower Upper

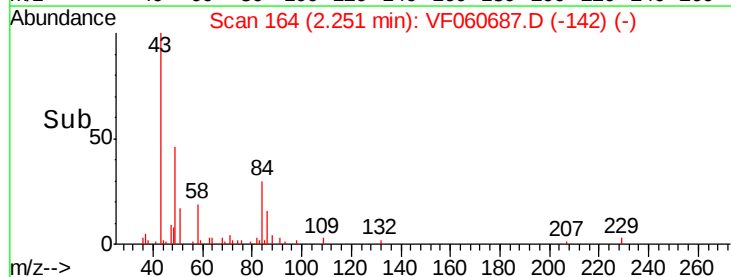
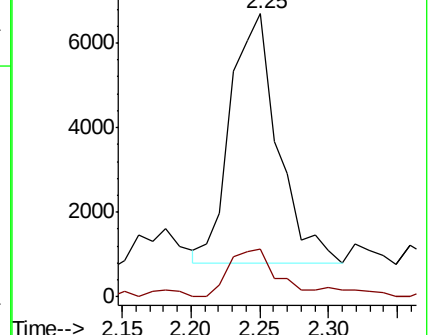
43 100

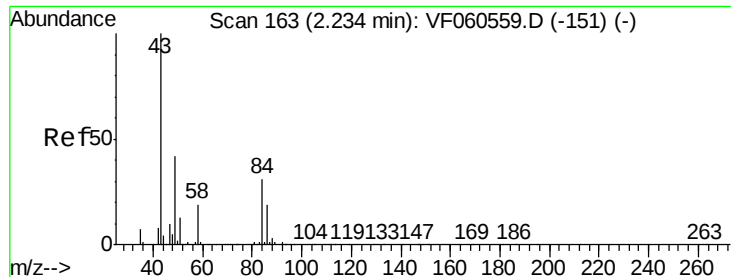
58 17.0 14.6 22.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

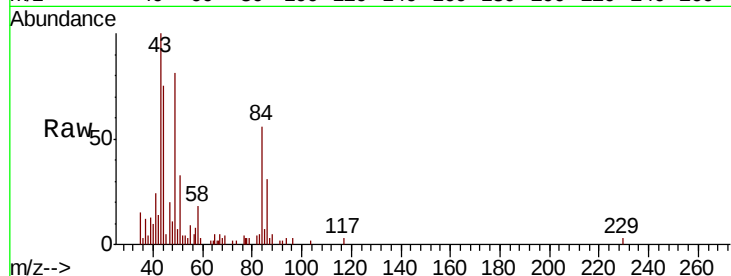




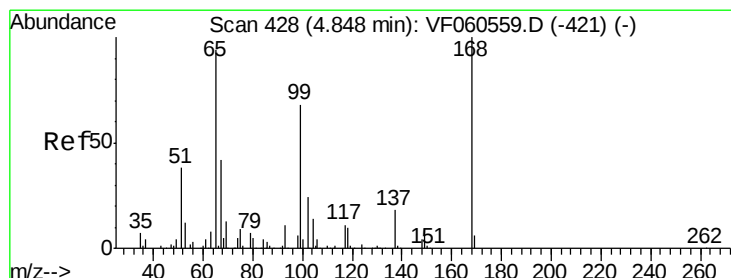
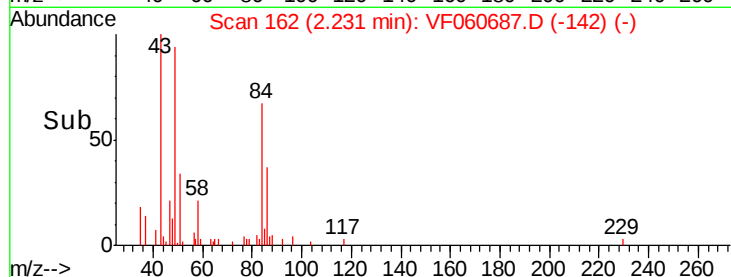
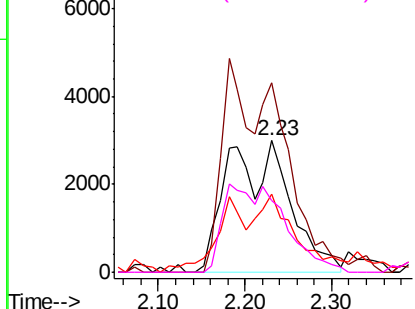
#20
Methvlene Chloride
Concen: 3.899 ug/l m
RT: 2.23 min Scan# 162
Delta R.T. -0.00 min
Lab File: VF060687.D
Acq: 9 Nov 2018 22:28

Instrument :
MSVOA_F
ClientSampleId :
W-1-S

Tot Ion: 84 Resp: 14790
Ion Ratio Lower Upper
84 100
49 144.2 109.9 164.9
51 59.6 35.8 53.8#
86 54.9 48.3 72.5

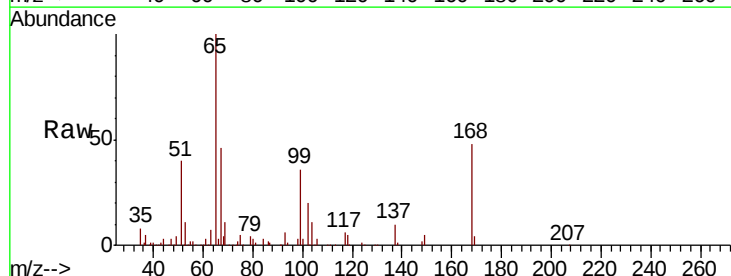


Abundance Ion 84.00 (83.70 to 84.70): VF0
Ion 49.00 (48.70 to 49.70): VF0
Ion 51.00 (50.70 to 51.70): VF0
Ion 86.00 (85.70 to 86.70): VF0

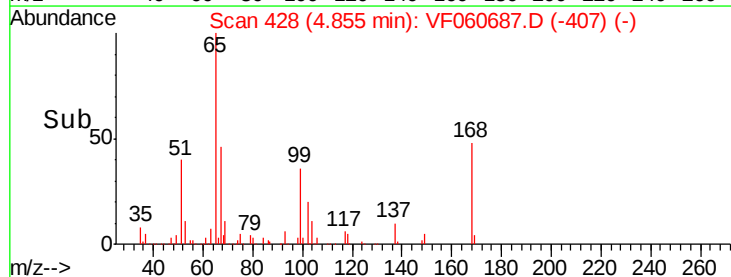
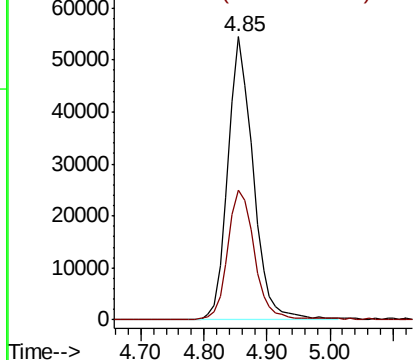


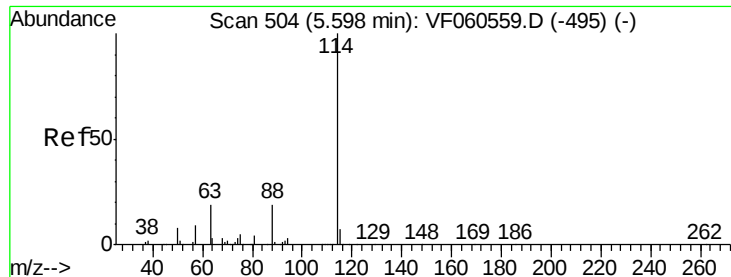
#33
1,2-Dichloroethane-d4
Concen: 63.710 ug/l
RT: 4.85 min Scan# 428
Delta R.T. 0.01 min
Lab File: VF060687.D
Acq: 9 Nov 2018 22:28

Tgt Ion: 65 Resp: 150896
Ion Ratio Lower Upper
65 100
67 45.9 0.0 101.8



Abundance Ion 65.00 (64.70 to 65.70): VF0
Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. 0.01 min

Lab File: VF060687.D

Acq: 9 Nov 2018 22:28

Instrument :

MSVOA_F

ClientSampleId :

W-1-S

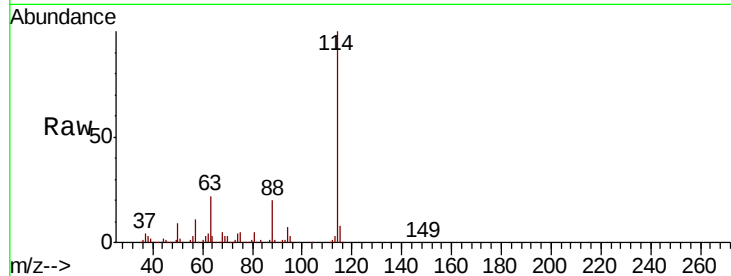
Tot Ion:114 Resp: 408916

Ion Ratio Lower Upper

114 100

63 21.7 0.0 39.0

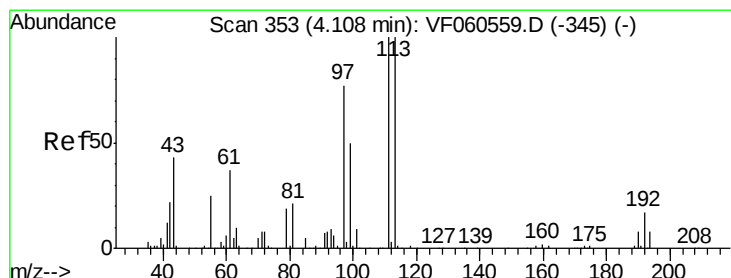
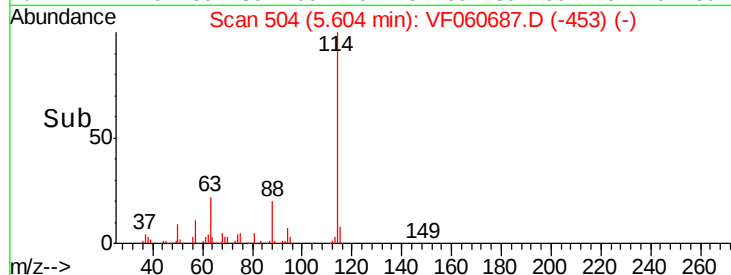
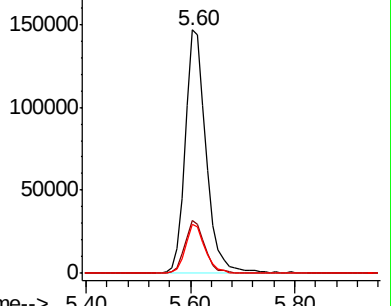
88 20.2 0.0 38.2



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: 56.850 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.02 min

Lab File: VF060687.D

Acq: 9 Nov 2018 22:28

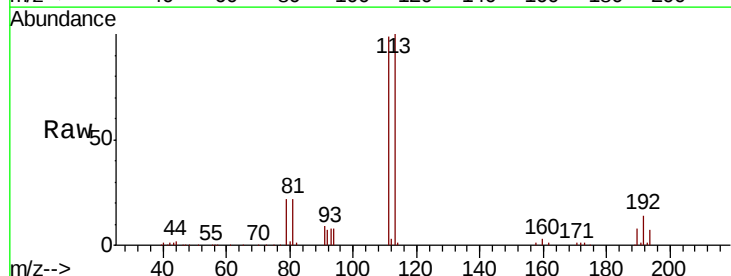
Tgt Ion:113 Resp: 179604

Ion Ratio Lower Upper

113 100

111 99.3 79.9 119.9

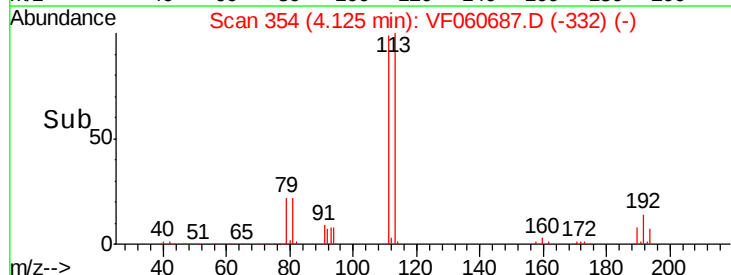
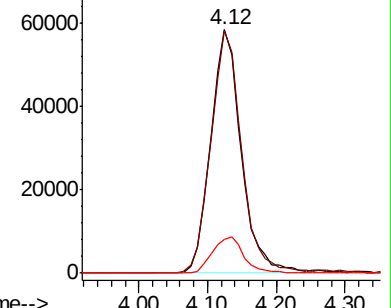
192 13.9 13.3 19.9

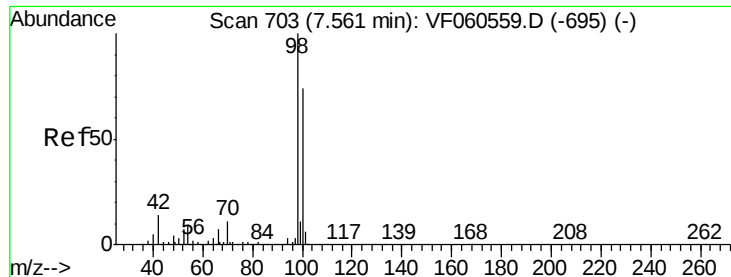


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

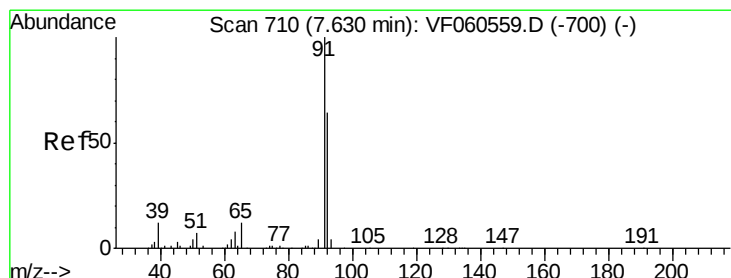
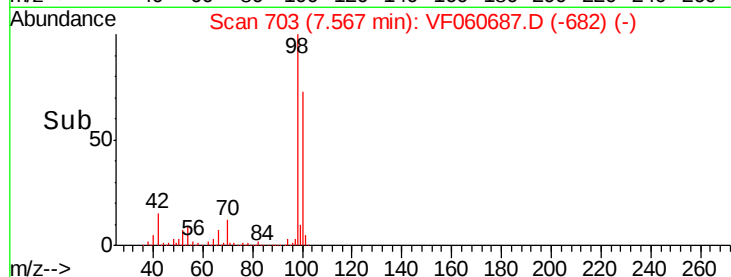
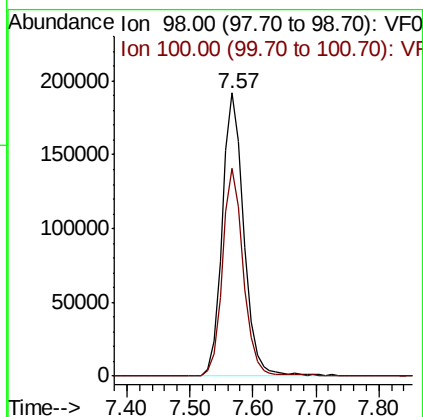
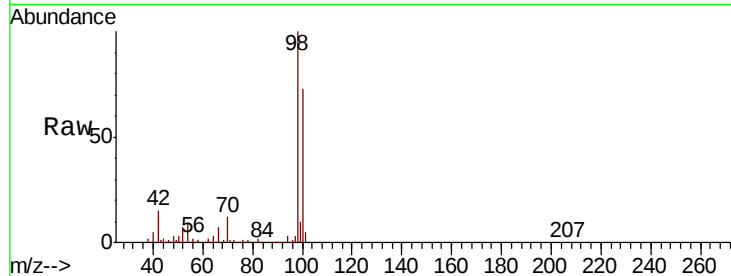




#50
Toluene-d8
Concen: 48.748 ug/l
RT: 7.57 min Scan# 703
Delta R.T. 0.01 min
Lab File: VF060687.D
Acq: 9 Nov 2018 22:28

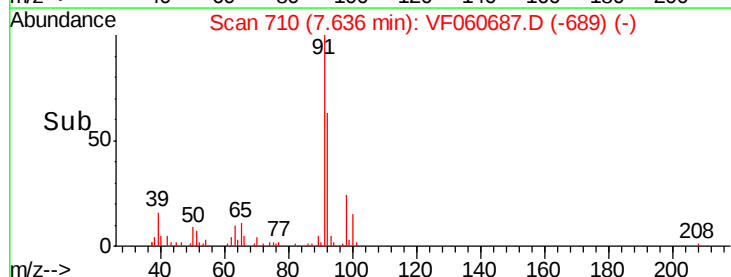
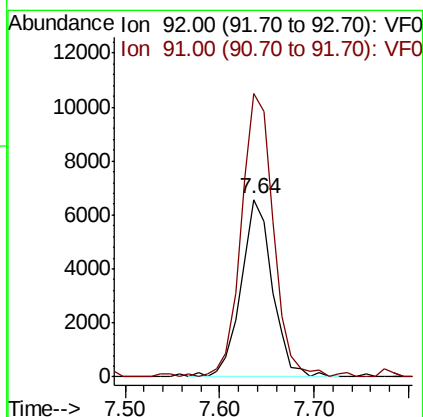
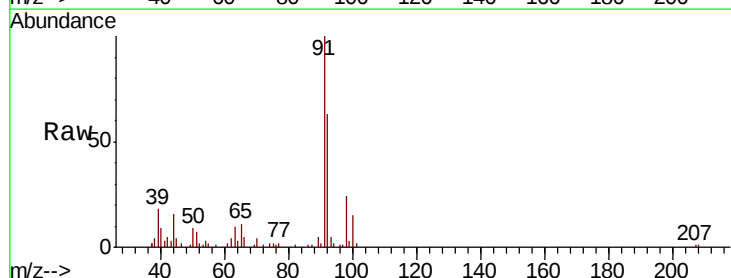
Instrument :
MSVOA_F
ClientSampleId :
W-1-S

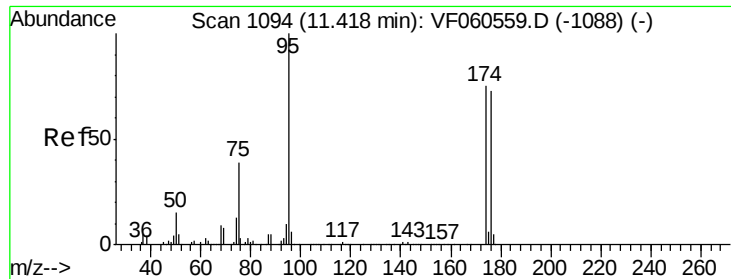
Tot Ion: 98 Resp: 456223
Ion Ratio Lower Upper
98 100
100 73.2 59.4 89.2



#52
Toluene
Concen: 2.109 ug/l
RT: 7.64 min Scan# 710
Delta R.T. 0.01 min
Lab File: VF060687.D
Acq: 9 Nov 2018 22:28

Tgt Ion: 92 Resp: 15015
Ion Ratio Lower Upper
92 100
91 159.3 124.5 186.7





#62

4-Bromofluorobenzene

Concen: 55.584 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VF060687.D

Acq: 9 Nov 2018 22:28

Instrument :

MSVOA_F

ClientSampleId :

W-1-S

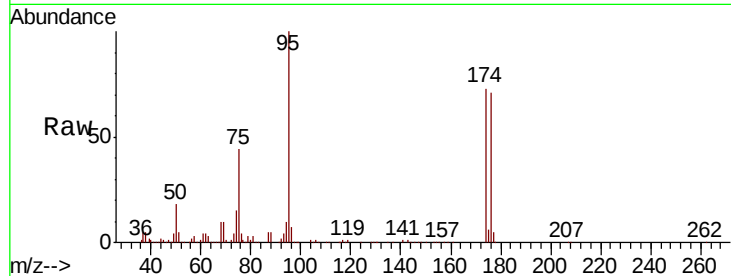
Tot Ion: 95 Resp: 227542

Ion Ratio Lower Upper

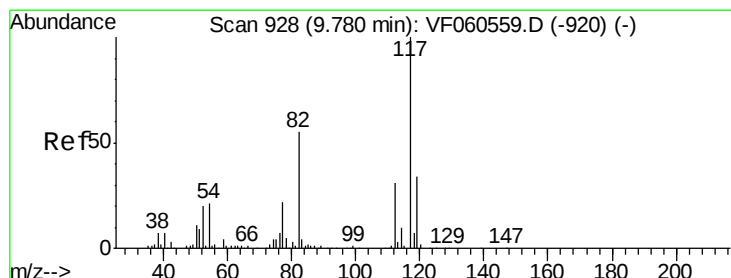
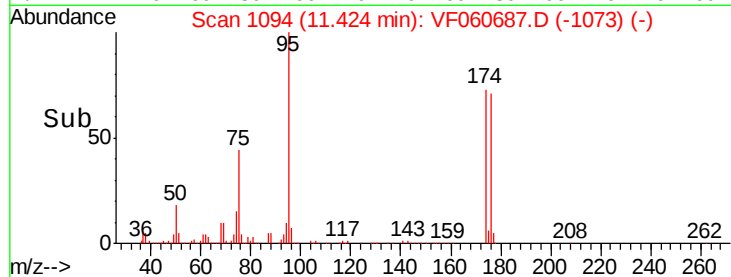
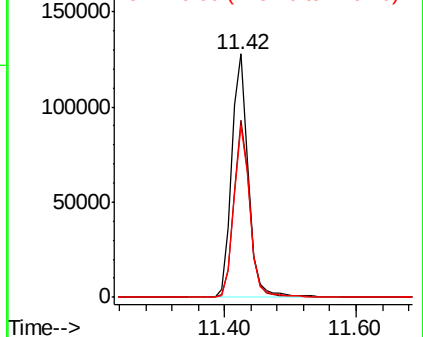
95 100

174 72.6 0.0 149.0

176 70.6 0.0 145.6



Abundance Ion 95.00 (94.70 to 95.70): VF0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.79 min Scan# 928

Delta R.T. 0.01 min

Lab File: VF060687.D

Acq: 9 Nov 2018 22:28

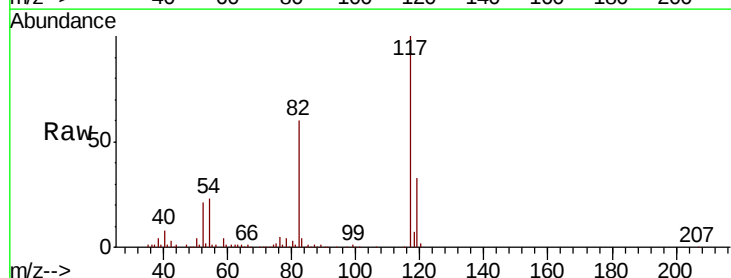
Tgt Ion: 117 Resp: 377376

Ion Ratio Lower Upper

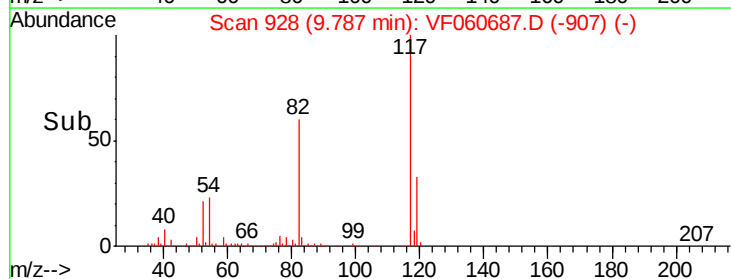
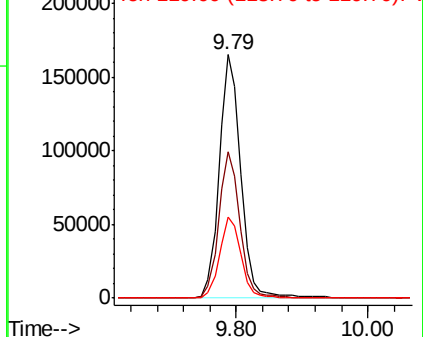
117 100

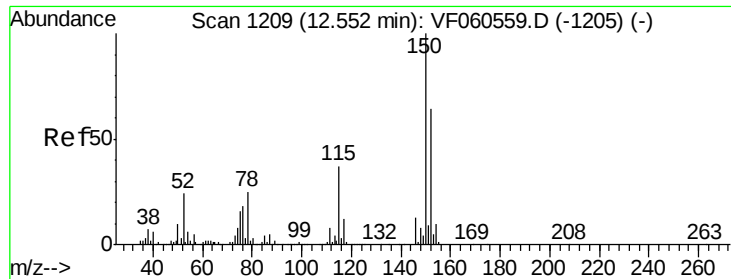
82 60.0 43.9 65.9

119 33.2 27.4 41.0



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

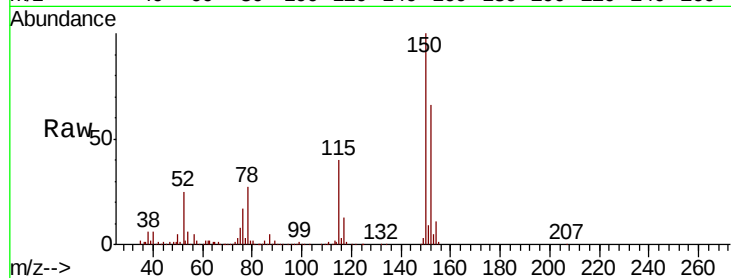




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.56 min Scan# 1209
 Delta R.T. 0.01 min
 Lab File: VF060687.D
 Acq: 9 Nov 2018 22:28

Instrument :
 MSVOA_F
 ClientSampleId :
 W-1-S

Tot Ion	Ratio	Lower	Upper
152	100		
115	61.2	29.6	88.8
150	152.6	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

