

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062818\
 Data File : VF059371.D
 Acq On : 28 Jun 2018 20:11
 Operator : VA/AP
 Sample : J3746-02
 Misc : 10.79g/5mL/MSVOA-F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 FK-GF-01-009-A

Quant Time: Jun 29 05:41:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	237229	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.76	114	361506	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	351192	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	191839	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	143696	46.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.76%	
35) Dibromofluoromethane	4.29	113	139116	52.67	ug/l	0.02
Spiked Amount 50.000			Recovery	=	105.34%	
50) Toluene-d8	7.71	98	285053	43.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.18%	
62) 4-Bromofluorobenzene	11.51	95	164263	44.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.06%	

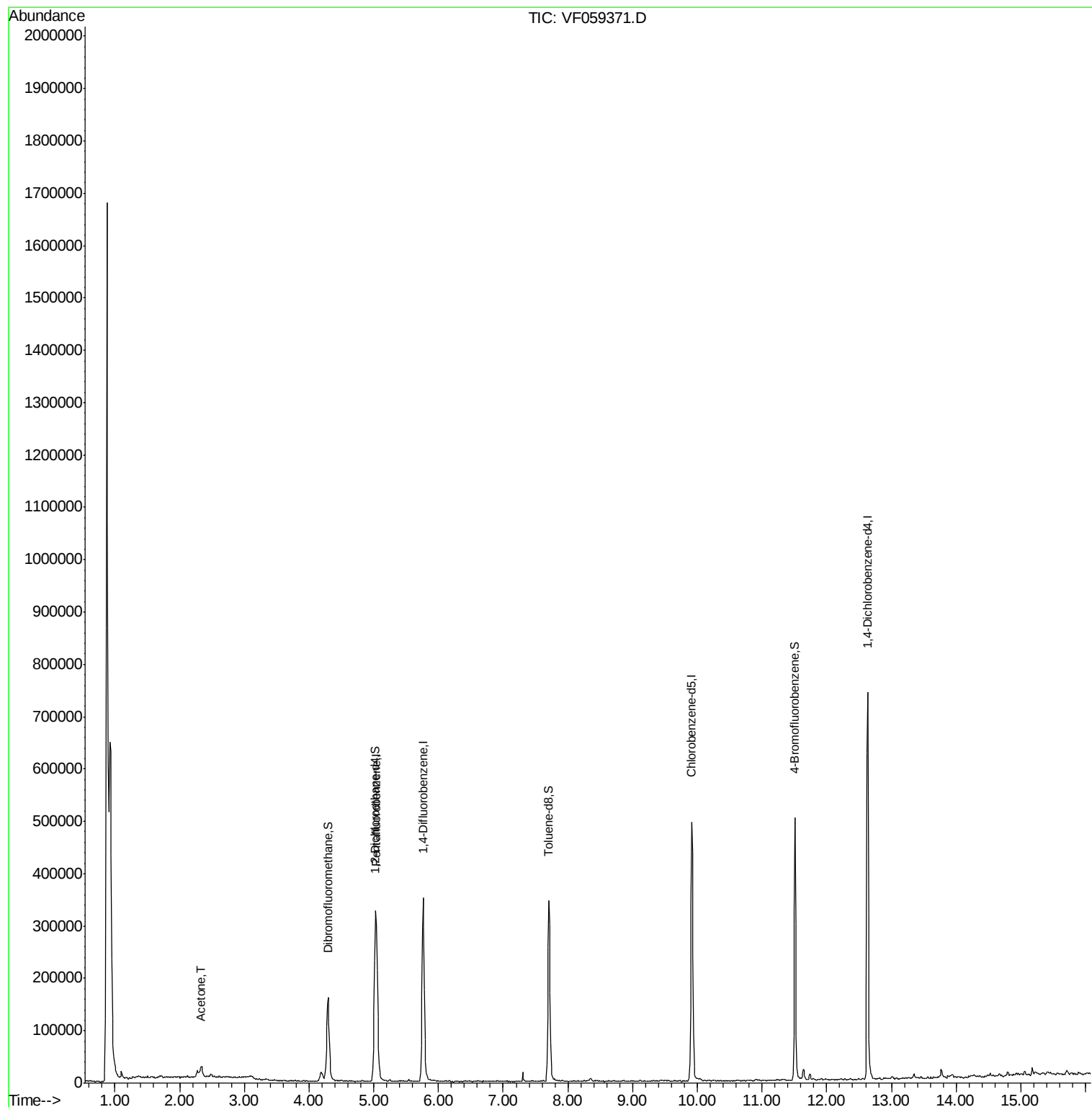
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.33	43	25824	24.54	ug/l	98

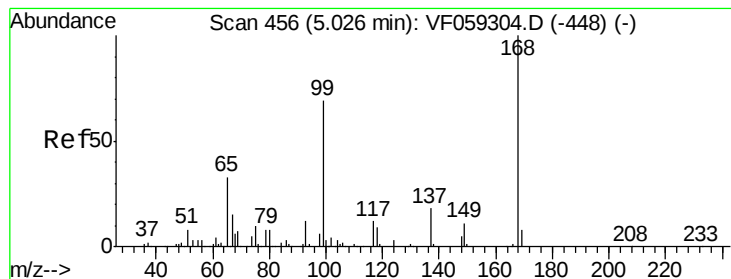
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.02 min

Lab File: VF059371.D

Acq: 28 Jun 2018 20:11

Instrument :

MSVOA_F

ClientSampleId :

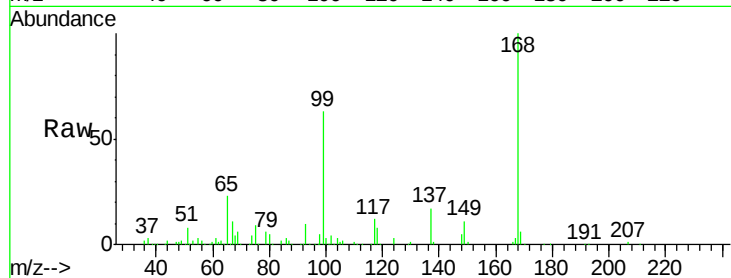
FK-GF-01-009-A

Tot Ion:168 Resp: 237229

Ion Ratio Lower Upper

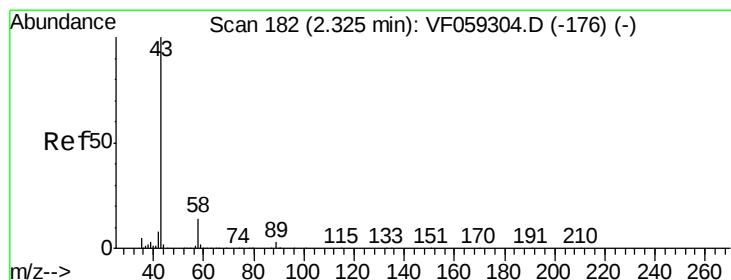
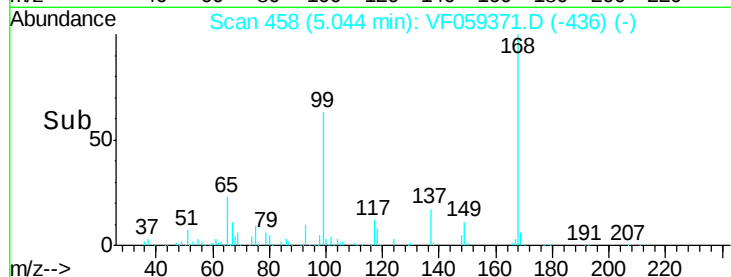
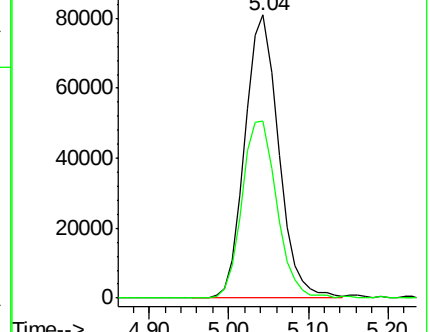
168 100

99 62.6 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#16

Acetone

Concen: 24.54 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.01 min

Lab File: VF059371.D

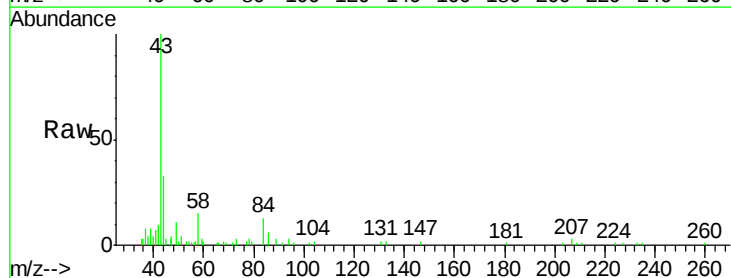
Acq: 28 Jun 2018 20:11

Tgt Ion: 43 Resp: 25824

Ion Ratio Lower Upper

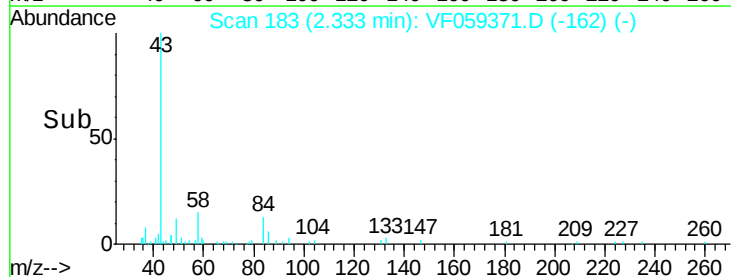
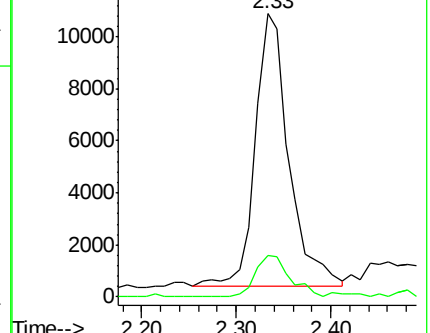
43 100

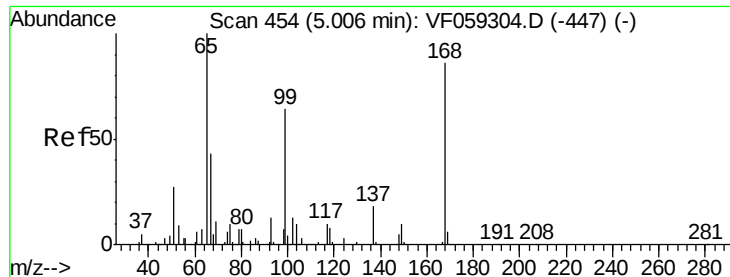
58 14.8 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 46.88 ug/l

RT: 5.01 min Scan# 455

Delta R.T. 0.01 min

Lab File: VF059371.D

Acq: 28 Jun 2018 20:11

Instrument :

MSVOA_F

ClientSampleId :

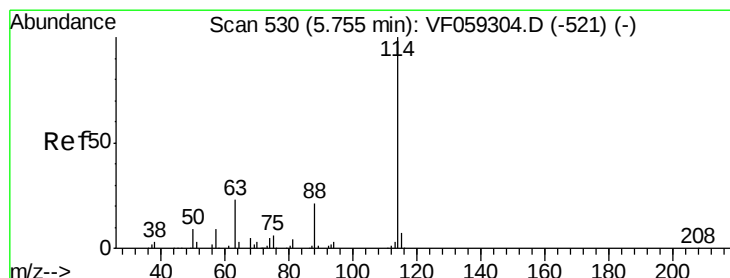
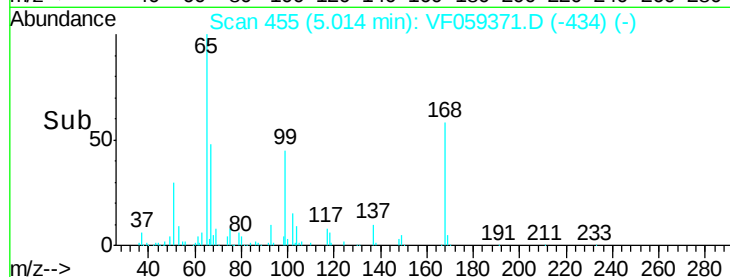
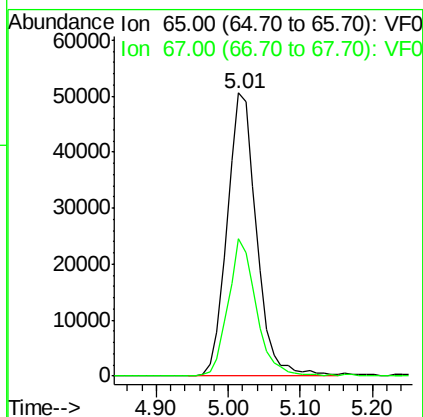
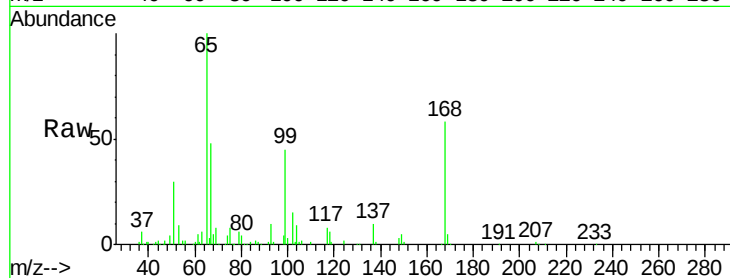
FK-GF-01-009-A

Tot Ion: 65 Resp: 143696

Ion Ratio Lower Upper

65 100

67 48.5 0.0 96.8



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 531

Delta R.T. 0.01 min

Lab File: VF059371.D

Acq: 28 Jun 2018 20:11

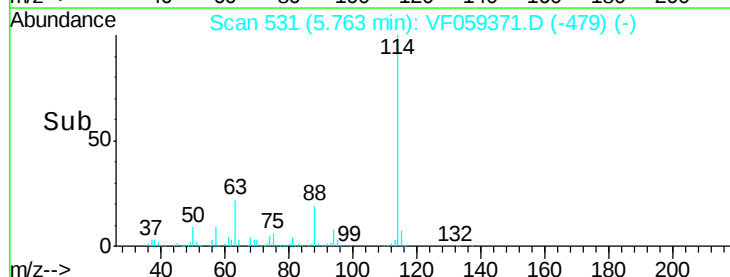
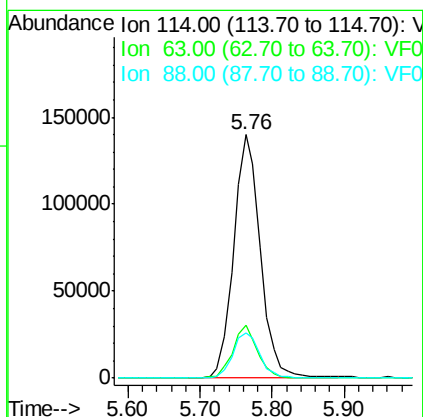
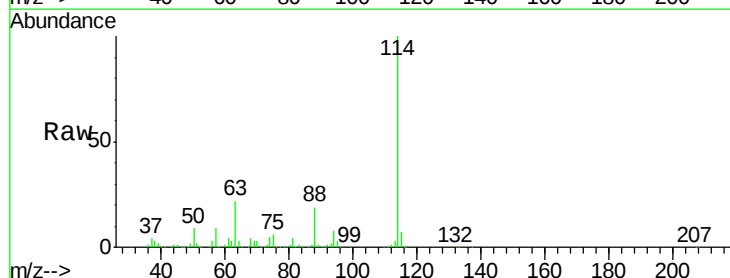
Tgt Ion: 114 Resp: 361506

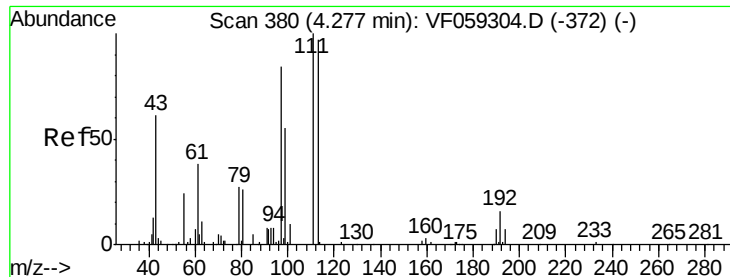
Ion Ratio Lower Upper

114 100

63 21.9 0.0 45.8

88 18.7 0.0 41.2

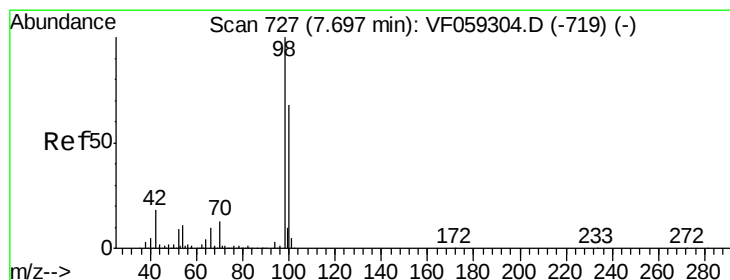
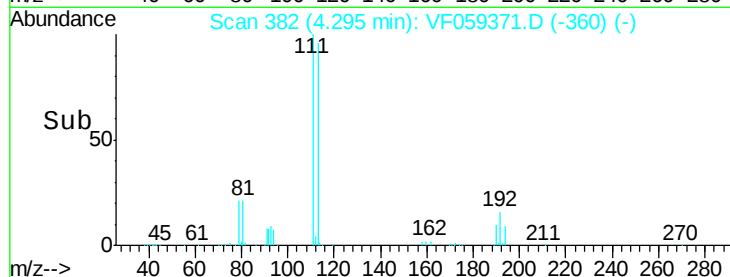
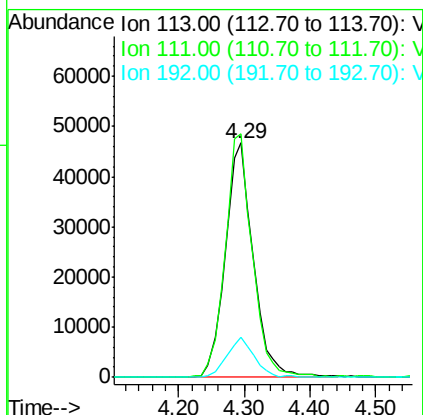
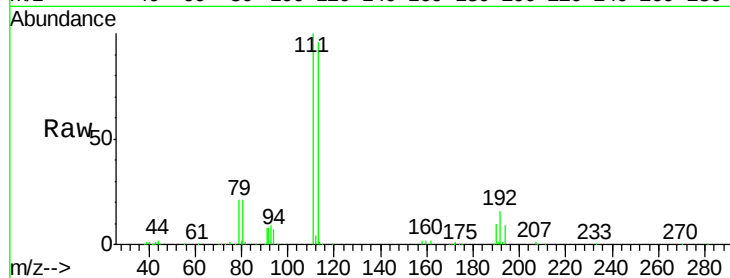




#35
Dibromofluoromethane
Concen: 52.67 ug/l
RT: 4.29 min Scan# 382
Delta R.T. 0.02 min
Lab File: VF059371.D
Acq: 28 Jun 2018 20:11

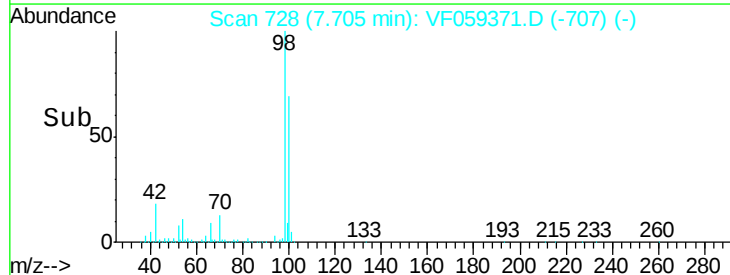
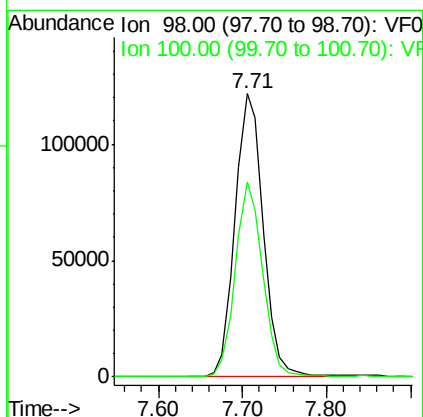
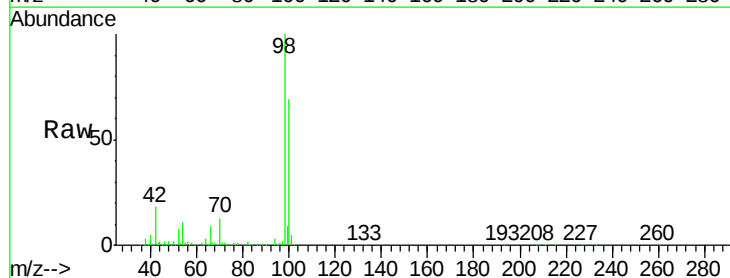
Instrument :
MSVOA_F
ClientSampleId :
FK-GF-01-009-A

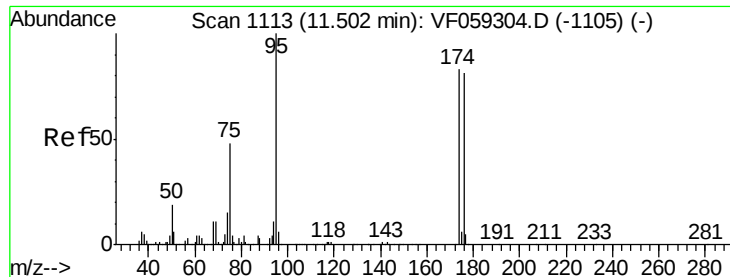
Tot Ion:113 Resp: 139116
Ion Ratio Lower Upper
113 100
111 104.0 82.1 123.1
192 17.0 13.0 19.6



#50
Toluene-d8
Concen: 43.59 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.01 min
Lab File: VF059371.D
Acq: 28 Jun 2018 20:11

Tgt Ion: 98 Resp: 285053
Ion Ratio Lower Upper
98 100
100 68.8 54.6 82.0





#62

4-Bromofluorobenzene

Concen: 44.53 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VF059371.D

Acq: 28 Jun 2018 20:11

Instrument :

MSVOA_F

ClientSampleId :

FK-GF-01-009-A

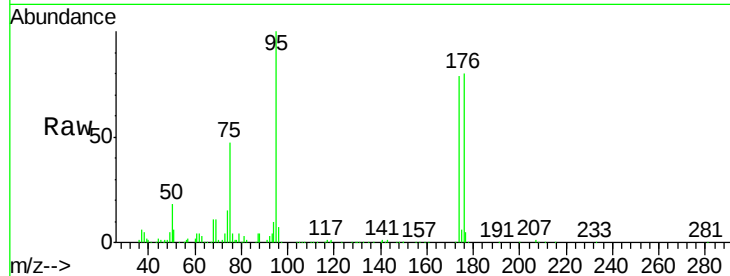
Tot Ion: 95 Resp: 164263

Ion Ratio Lower Upper

95 100

174 78.9 0.0 165.2

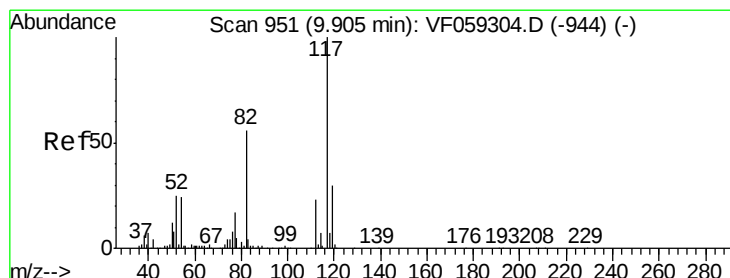
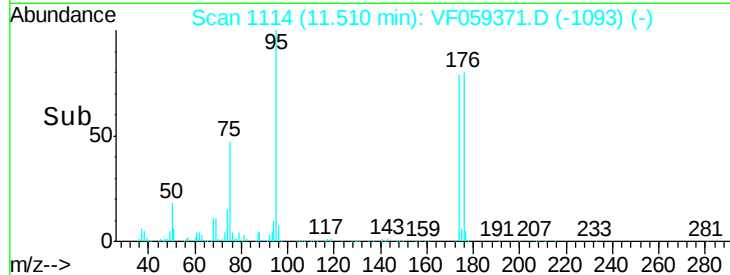
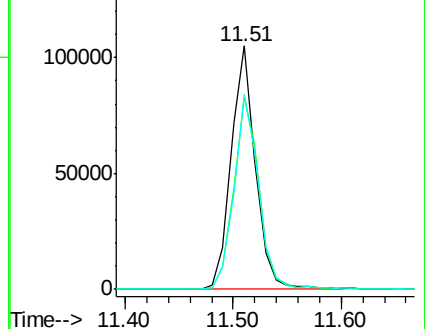
176 80.0 0.0 161.0



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: 50.00 ug/l

RT: 9.91 min Scan# 952

Delta R.T. 0.01 min

Lab File: VF059371.D

Acq: 28 Jun 2018 20:11

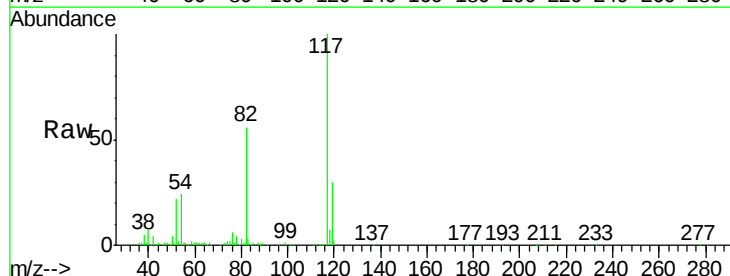
Tgt Ion: 117 Resp: 351192

Ion Ratio Lower Upper

117 100

82 56.0 44.6 66.8

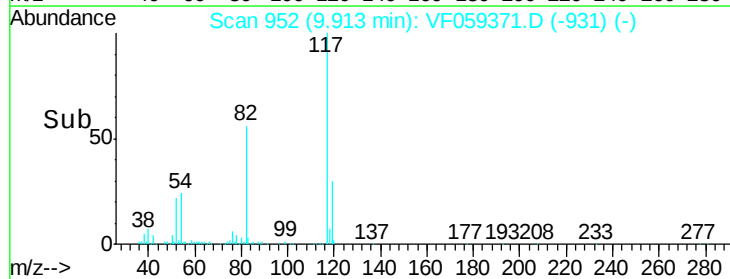
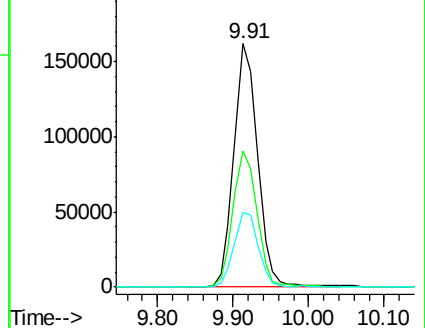
119 30.4 24.1 36.1

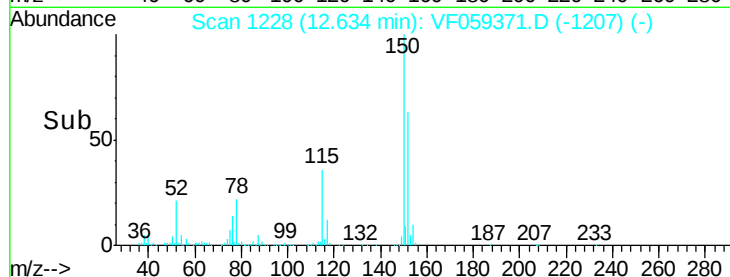
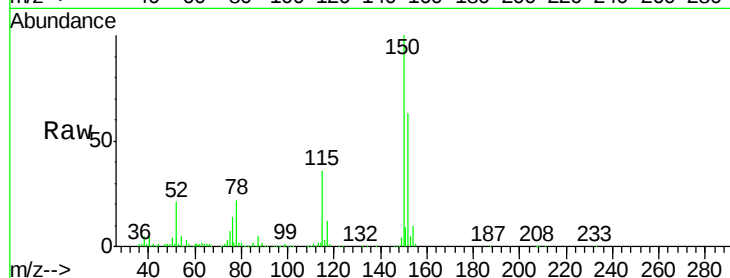
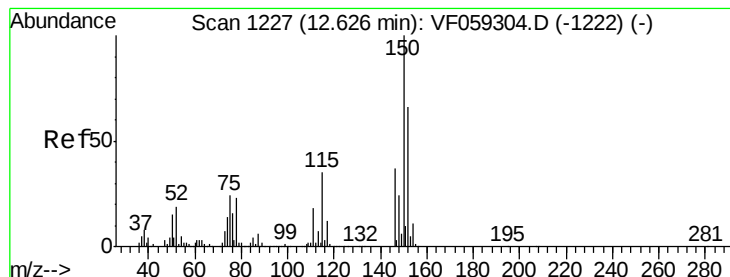


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. 0.01 min

Lab File: VF059371.D

Acq: 28 Jun 2018 20:11

Instrument :

MSVOA_F

ClientSampleId :

FK-GF-01-009-A

Tot Ion:152 Resp: 191839

Ion Ratio Lower Upper

152 100

115 57.1 27.1 81.3

150 158.1 0.0 305.2

