

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072018\
 Data File : VF059608.D
 Acq On : 21 Jul 2018 3:50
 Operator : VA/AP
 Sample : J4071-01
 Misc : 5.86g/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 21 04:38:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	189462	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.77	114	272692	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.92	117	255484	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	160742	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	129302	43.88	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	87.76%	
35) Dibromofluoromethane	4.30	113	117385	49.70	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	99.40%	
50) Toluene-d8	7.72	98	213109	35.82	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	71.64%	
62) 4-Bromofluorobenzene	11.51	95	127574	40.88	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	81.76%	

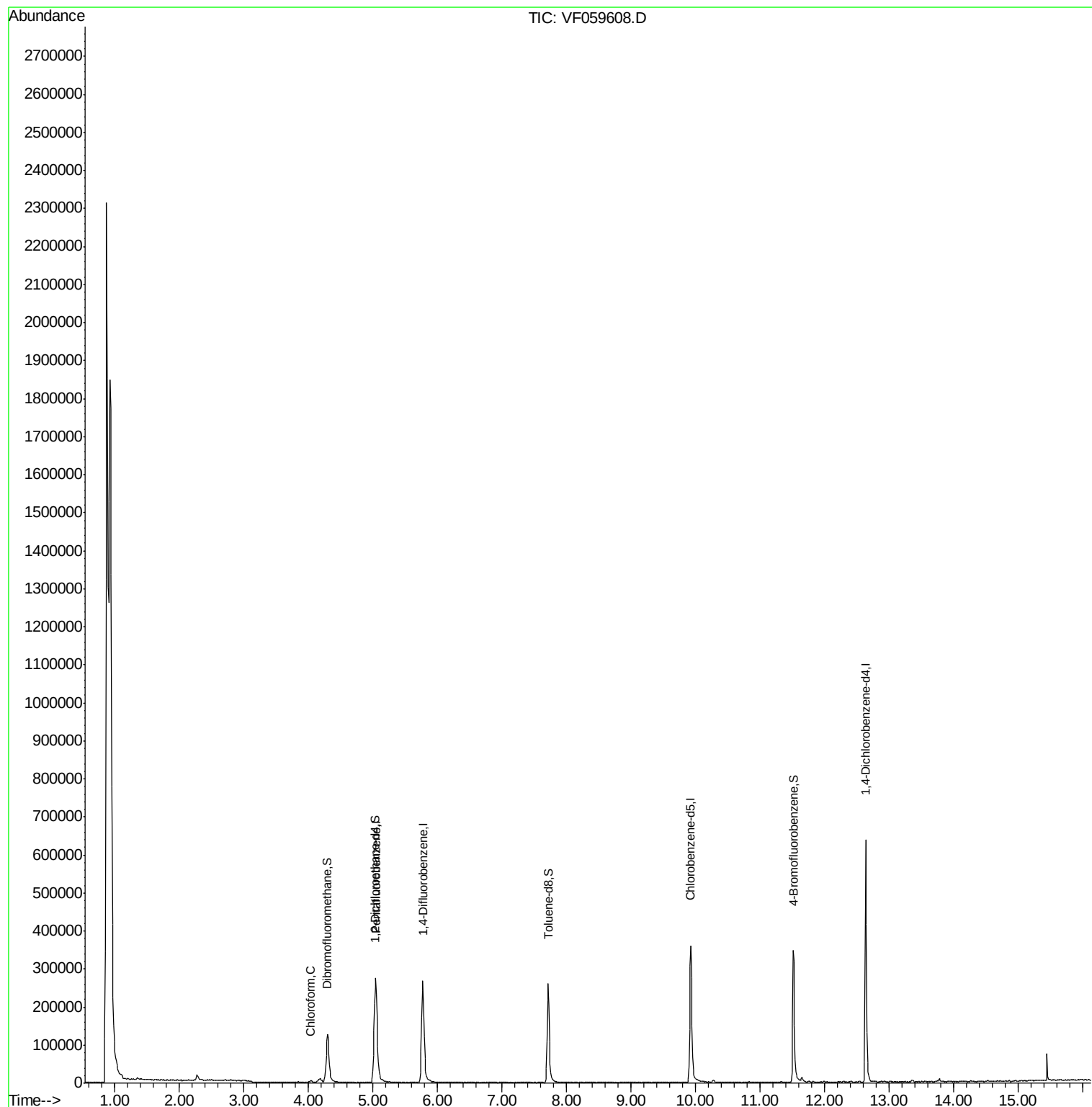
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.69	59	293	Below Cal	#	1
13) Acrolein	2.23	56	186	Below Cal		86
16) Acetone	2.34	43	1247	Below Cal	#	80
18) Methyl Acetate	2.46	43	283	Below Cal	#	67
29) Tetrahydrofuran	4.19	42	167	Below Cal		95
30) Chloroform	4.04	83	4586	1.035	ug/l #	79
37) Ethyl Acetate	4.27	43	247	Below Cal	#	41
49) 1,4-Dioxane	6.79	88	67	Below Cal	#	15

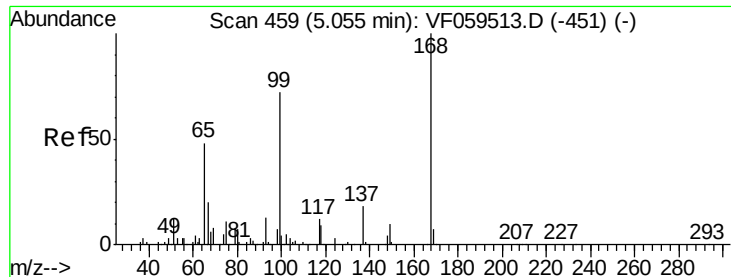
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 18 04:09:10 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF059608.D

Acq: 21 Jul 2018 3:50

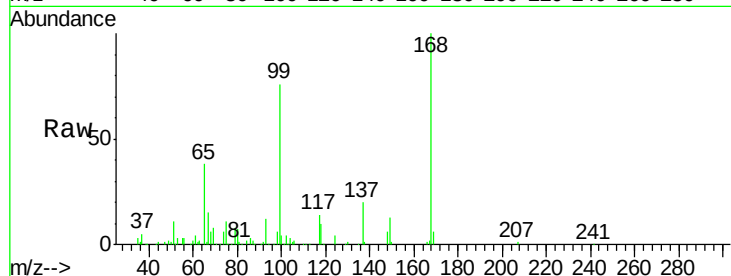
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 189462

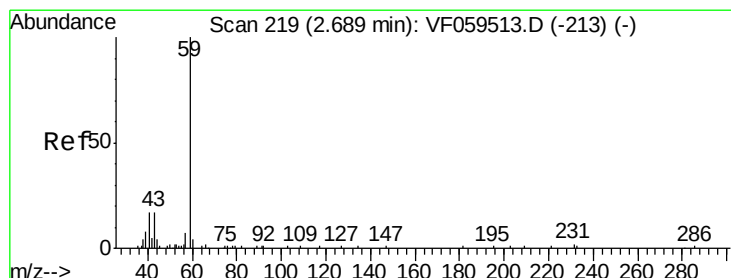
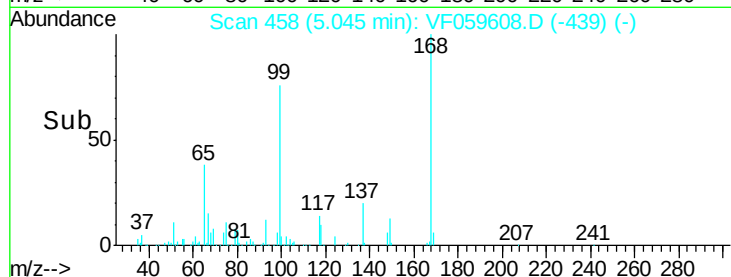
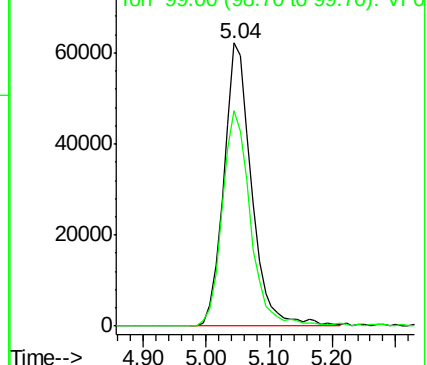
Ion Ratio Lower Upper

168 100

99 76.3 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.69 min Scan# 219

Delta R.T. -0.00 min

Lab File: VF059608.D

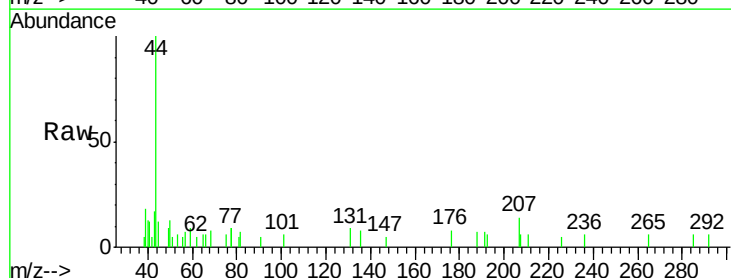
Acq: 21 Jul 2018 3:50

Tgt Ion: 59 Resp: 293

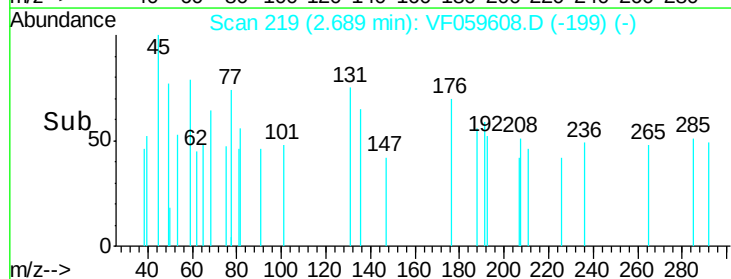
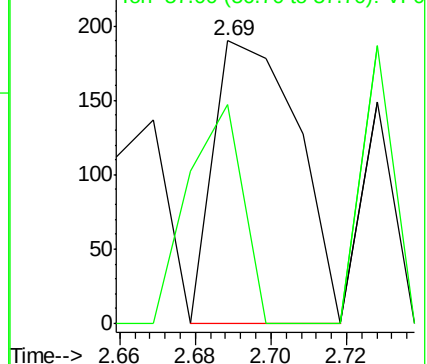
Ion Ratio Lower Upper

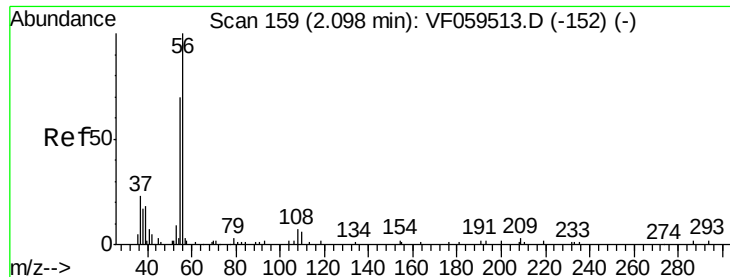
59 100

57 77.4 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VF0





#13

Acrolein

Concen: Below Cal

RT: 2.23 min Scan# 172

Delta R.T. 0.13 min

Lab File: VF059608.D

Acq: 21 Jul 2018 3:50

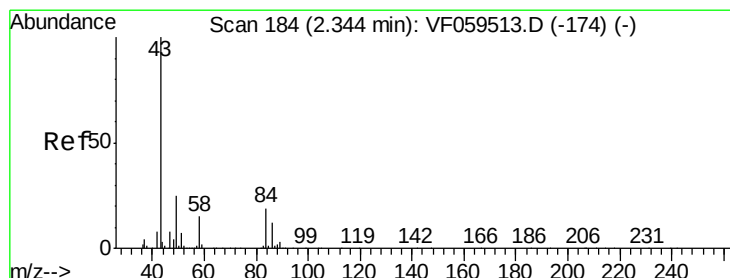
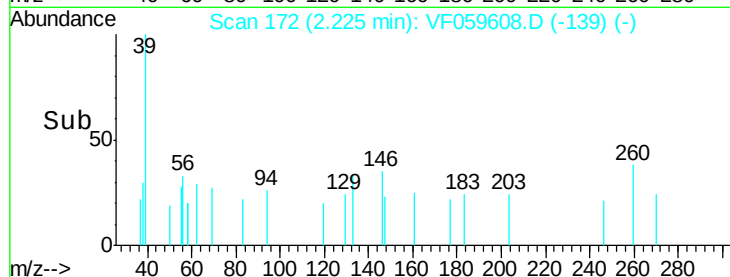
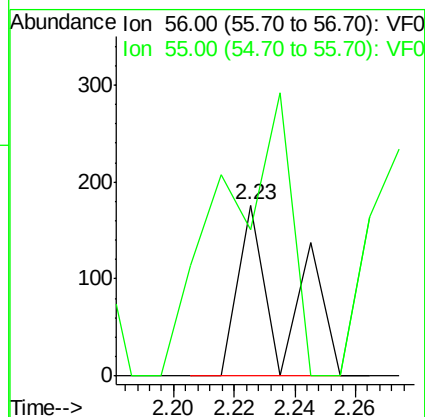
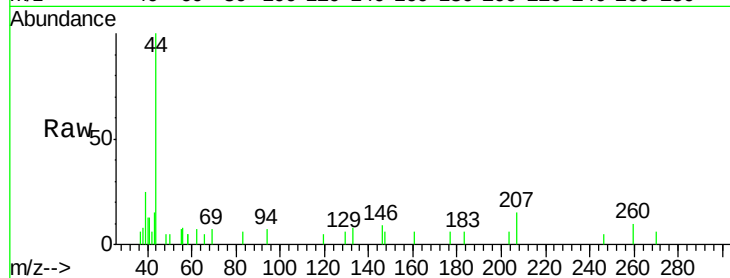
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 186

Ion Ratio Lower Upper

56 100

55 85.8 59.4 89.2



#16

Acetone

Concen: Below Cal

RT: 2.34 min Scan# 184

Delta R.T. -0.00 min

Lab File: VF059608.D

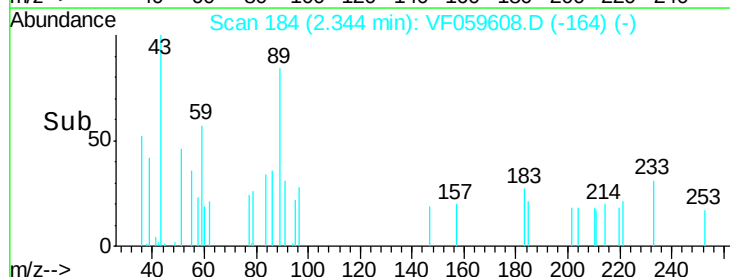
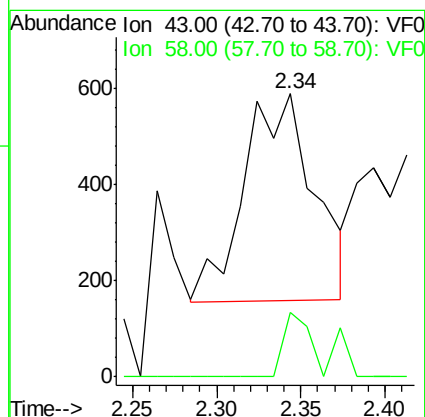
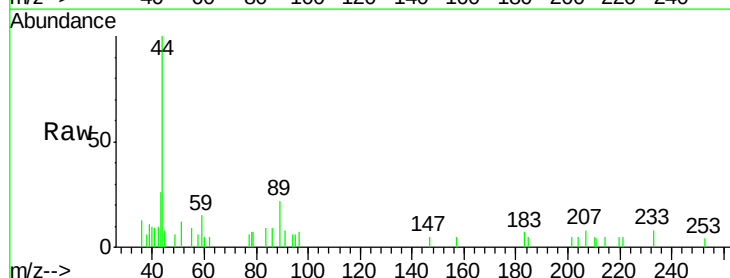
Acq: 21 Jul 2018 3:50

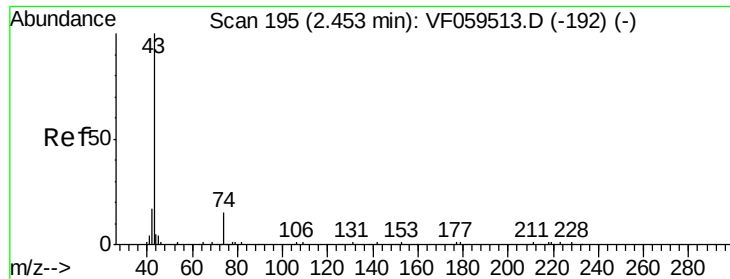
Tgt Ion: 43 Resp: 1247

Ion Ratio Lower Upper

43 100

58 22.9 11.8 17.6#

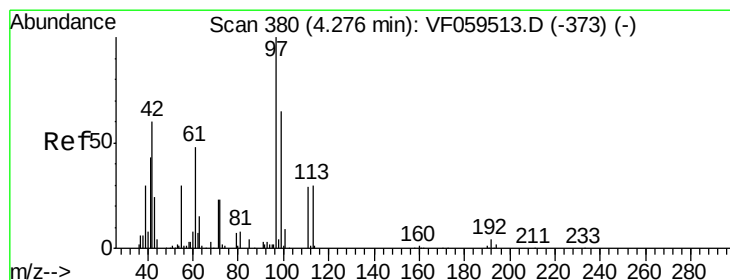
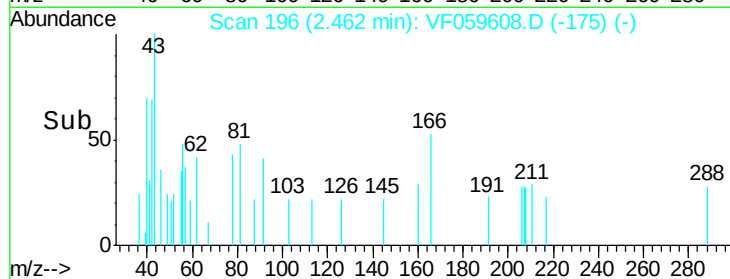
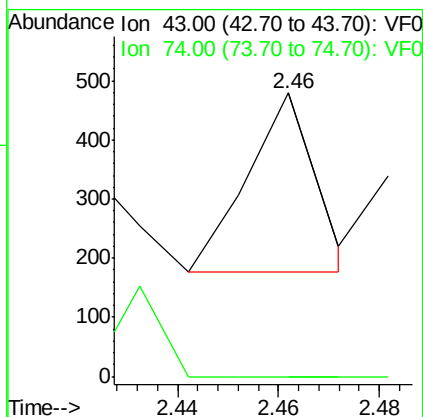
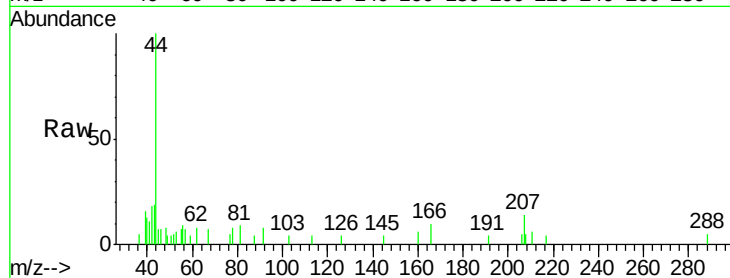




#18
Methyl Acetate
Concen: Below Cal
RT: 2.46 min Scan# 196
Delta R.T. 0.01 min
Lab File: VF059608.D
Acq: 21 Jul 2018 3:50

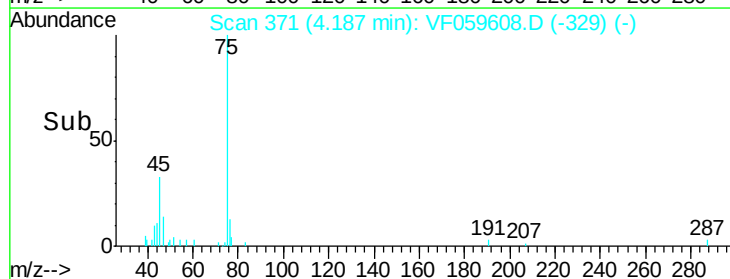
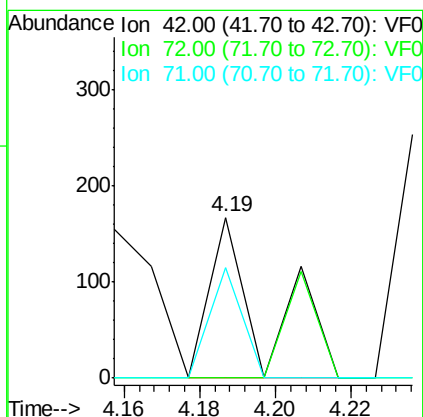
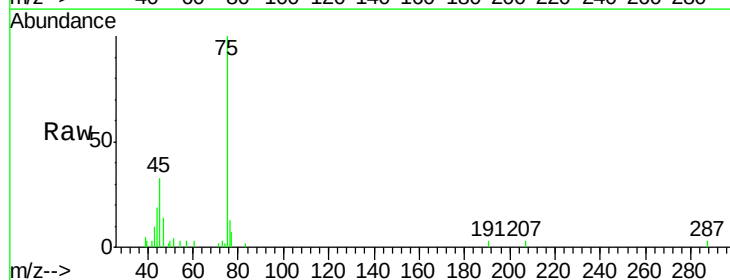
Instrument :
MSVOA_F
ClientSampleId :

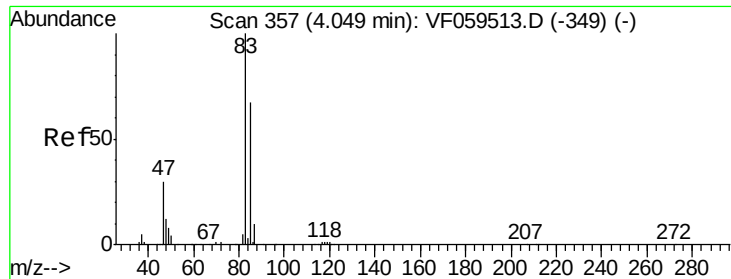
Tot Ion: 43 Resp: 283
Ion Ratio Lower Upper
43 100
74 0.0 10.6 15.8#



#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.19 min Scan# 371
Delta R.T. -0.09 min
Lab File: VF059608.D
Acq: 21 Jul 2018 3:50

Tgt Ion: 42 Resp: 167
Ion Ratio Lower Upper
42 100
72 39.5 28.7 43.1
71 40.7 30.8 46.2

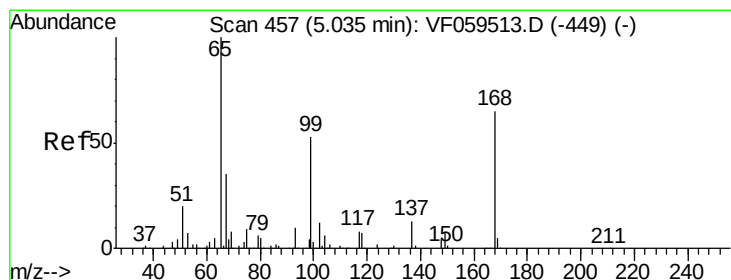
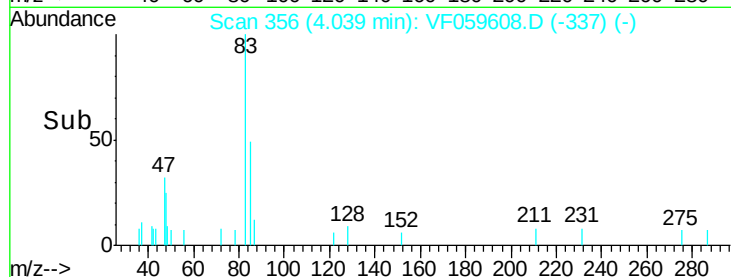
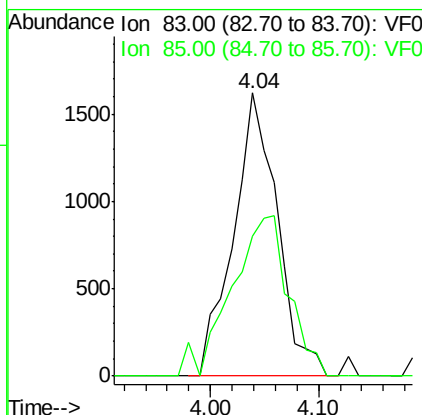
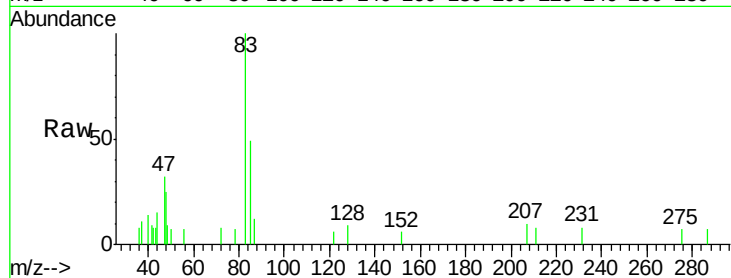




#30
Chloroform
Concen: 1.035 ug/l
RT: 4.04 min Scan# 356
Delta R.T. -0.01 min
Lab File: VF059608.D
Acq: 21 Jul 2018 3:50

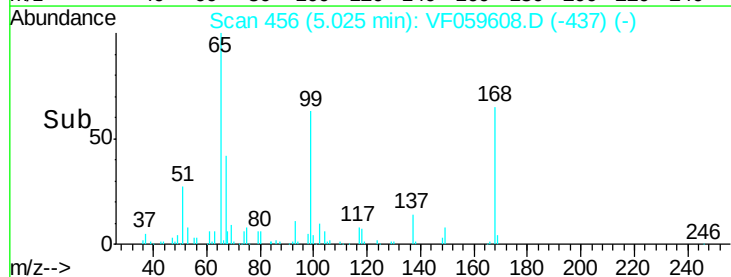
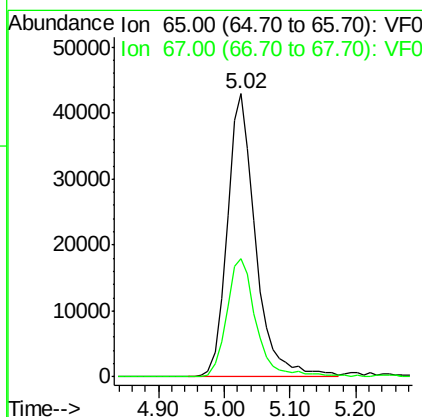
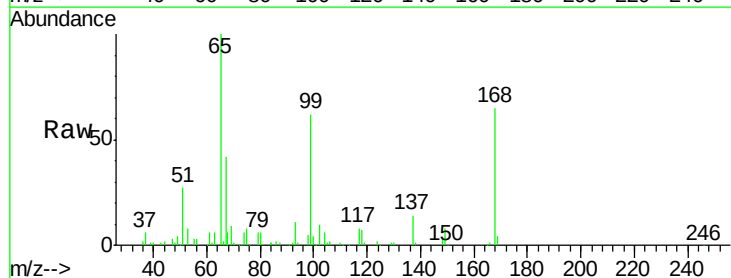
Instrument :
MSVOA_F
ClientSampleId :

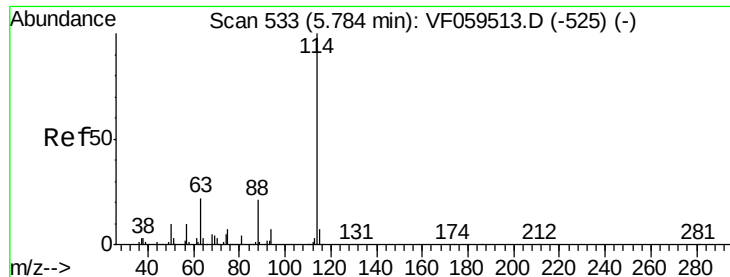
Tot Ion: 83 Resp: 4586
Ion Ratio Lower Upper
83 100
85 49.4 53.2 79.8#



#33
1,2-Dichloroethane-d4
Concen: 43.882 ug/l
RT: 5.02 min Scan# 456
Delta R.T. -0.01 min
Lab File: VF059608.D
Acq: 21 Jul 2018 3:50

Tgt Ion: 65 Resp: 129302
Ion Ratio Lower Upper
65 100
67 41.6 0.0 91.2

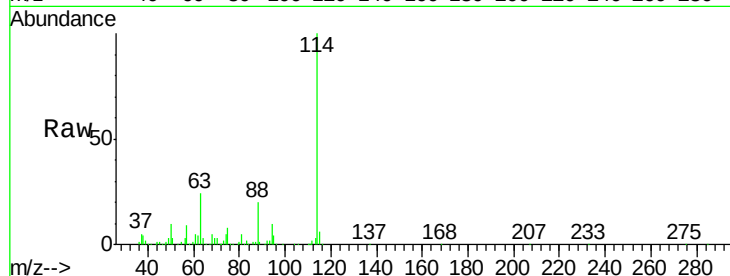




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VF059608.D
 Acq: 21 Jul 2018 3:50

Instrument :
 MSVOA_F
 ClientSampleId :

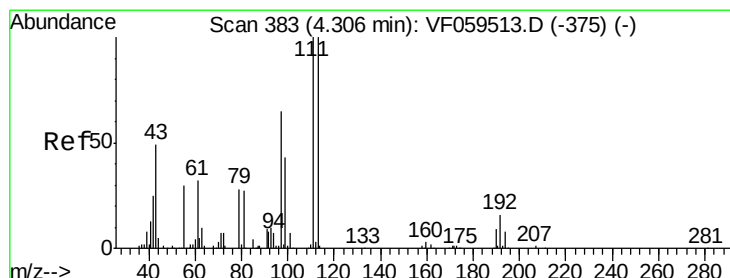
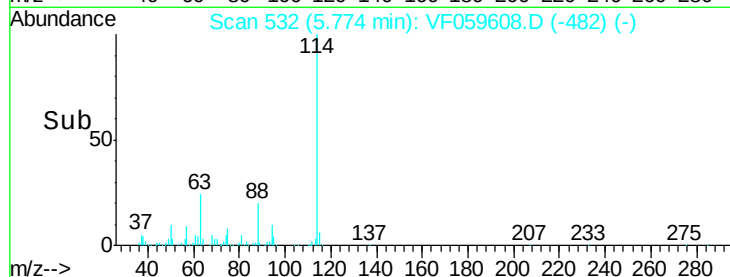
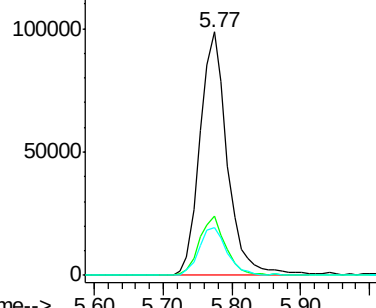
Tot Ion	Ratio	Lower	Upper
114	100		
63	24.4	0.0	44.8
88	19.5	0.0	42.6



Abundance Ion 114.00 (113.70 to 114.70): V

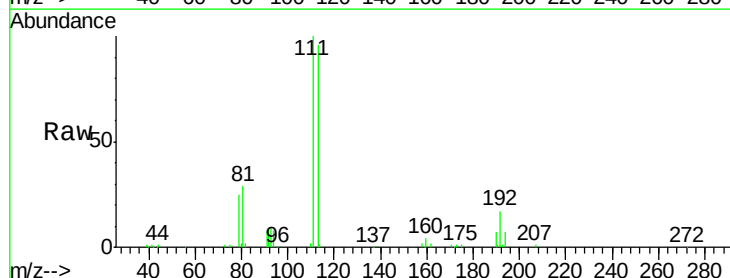
Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35
 Dibromofluoromethane
 Concen: 49.703 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. -0.01 min
 Lab File: VF059608.D
 Acq: 21 Jul 2018 3:50

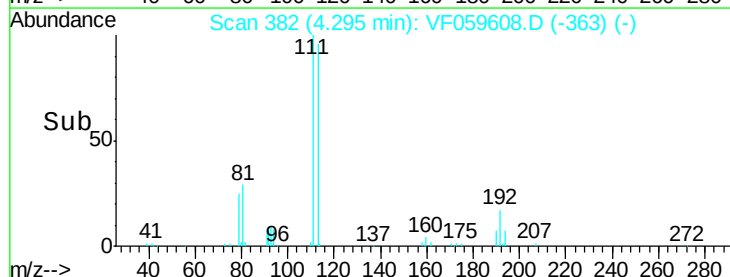
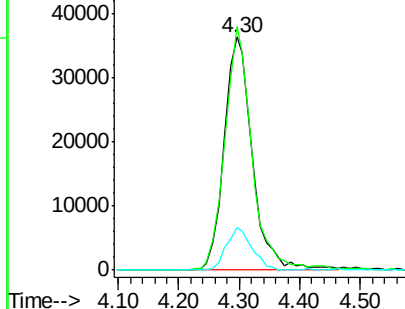
Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.6	80.3	120.5
192	18.5	13.1	19.7

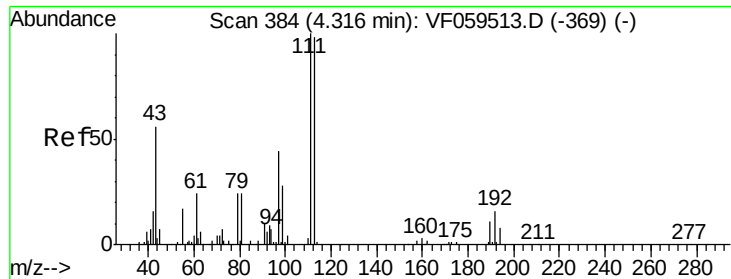


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

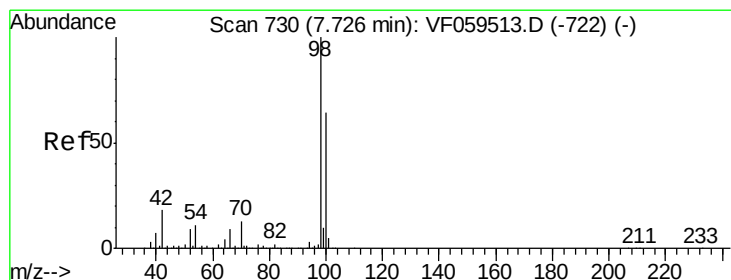
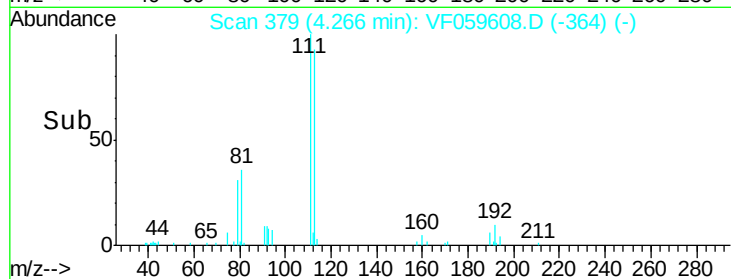
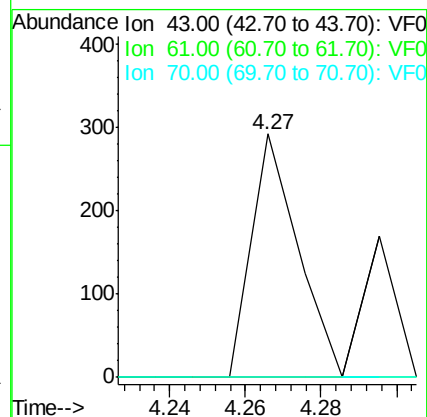
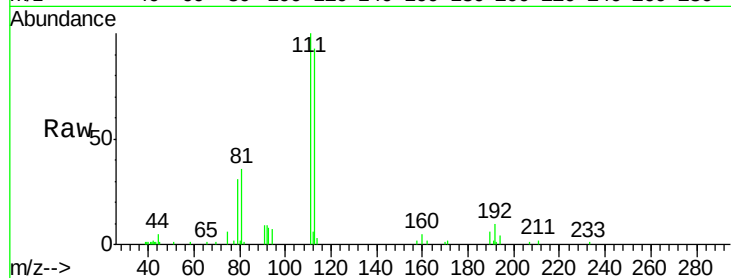




#37
Ethyl Acetate
Concen: Below Cal
RT: 4.27 min Scan# 379
Delta R.T. -0.05 min
Lab File: VF059608.D
Acq: 21 Jul 2018 3:50

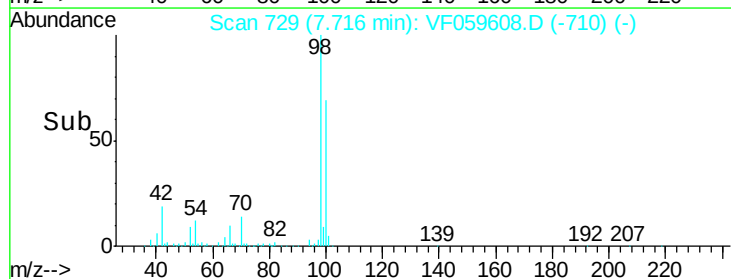
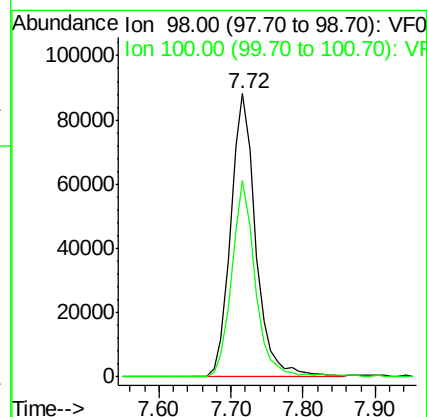
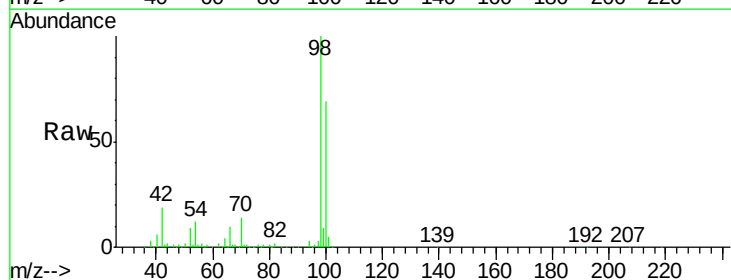
Instrument :
MSVOA_F
ClientSampleId :

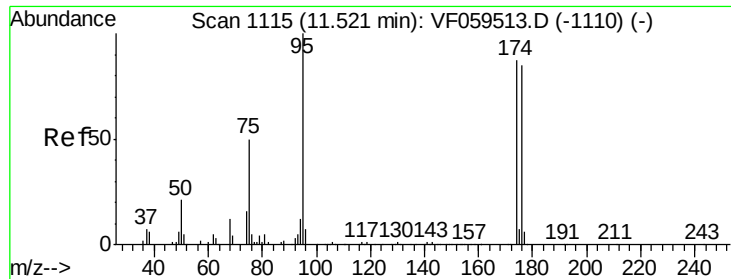
Tot Ion: 43 Resp: 247
Ion Ratio Lower Upper
43 100
61 0.0 33.7 50.5#
70 0.0 7.4 11.0#



#50
Toluene-d8
Concen: 35.822 ug/l
RT: 7.72 min Scan# 729
Delta R.T. -0.01 min
Lab File: VF059608.D
Acq: 21 Jul 2018 3:50

Tgt Ion: 98 Resp: 213109
Ion Ratio Lower Upper
98 100
100 69.3 50.9 76.3

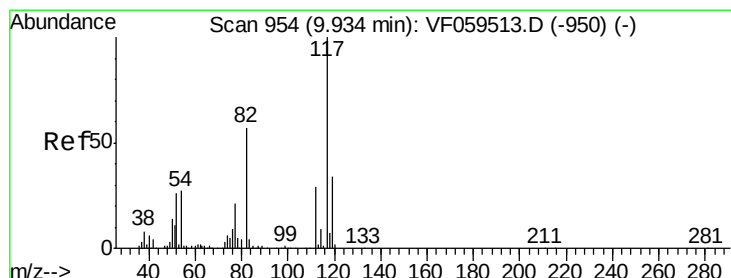
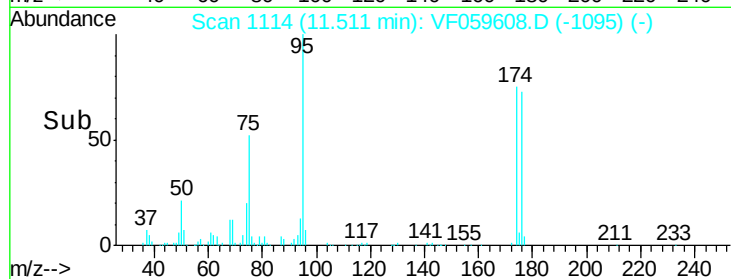
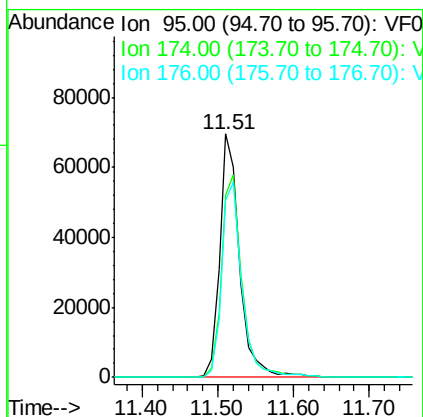
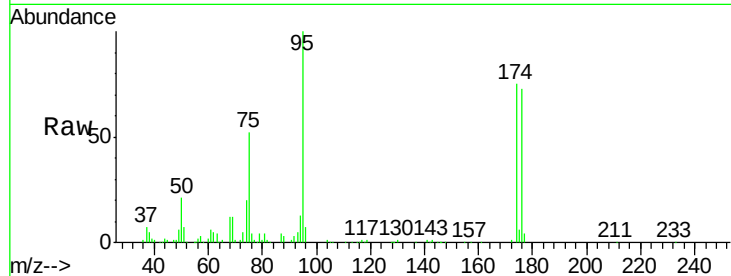




#62
4-Bromofluorobenzene
Concen: 40.878 ug/l
RT: 11.51 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VF059608.D
Acq: 21 Jul 2018 3:50

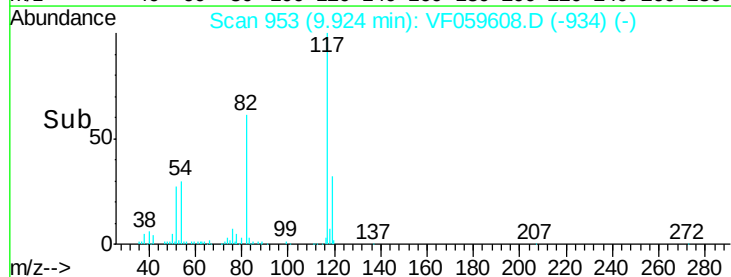
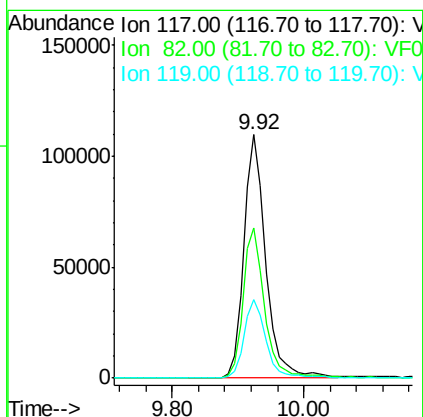
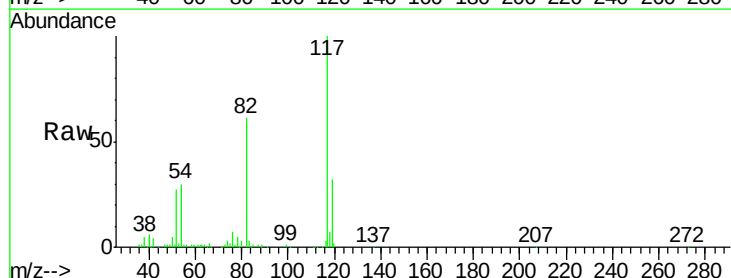
Instrument :
MSVOA_F
ClientSampleId :

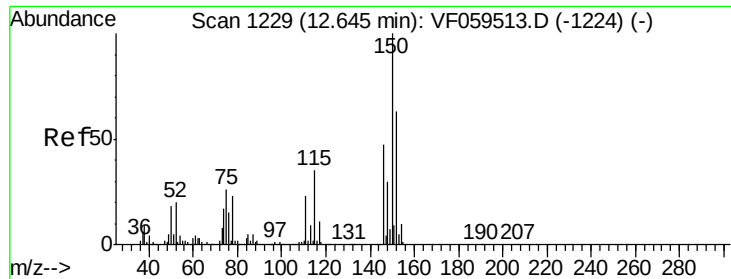
Tot Ion: 95 Resp: 127574
Ion Ratio Lower Upper
95 100
174 74.7 0.0 174.4
176 72.8 0.0 169.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF059608.D
Acq: 21 Jul 2018 3:50

Tgt Ion: 117 Resp: 255484
Ion Ratio Lower Upper
117 100
82 61.4 46.1 69.1
119 32.1 27.2 40.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VF059608.D

Acq: 21 Jul 2018 3:50

Instrument :

MSVOA_F

ClientSampleId :

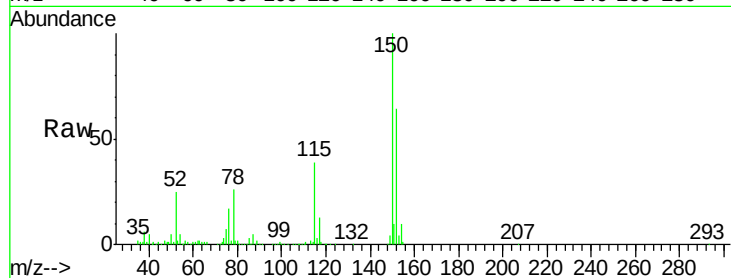
Tot Ion:152 Resp: 160742

Ion Ratio Lower Upper

152 100

115 60.2 27.8 83.3

150 155.7 0.0 318.4



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

