

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061918\
 Data File : VF059200.D
 Acq On : 19 Jun 2018 20:34
 Operator : VA/AP
 Sample : J3244-01RE
 Misc : 5.61g/5mL/MSVOA-F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 HD-01-061518RE

Quant Time: Jun 20 04:51:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 10:52:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	218706	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	335471	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	324268	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	189769	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	168065	63.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	126.72%	
35) Dibromofluoromethane	4.29	113	146817	62.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	124.74%	
50) Toluene-d8	7.70	98	348009	50.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.64%	
62) 4-Bromofluorobenzene	11.50	95	177886	50.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.30%	

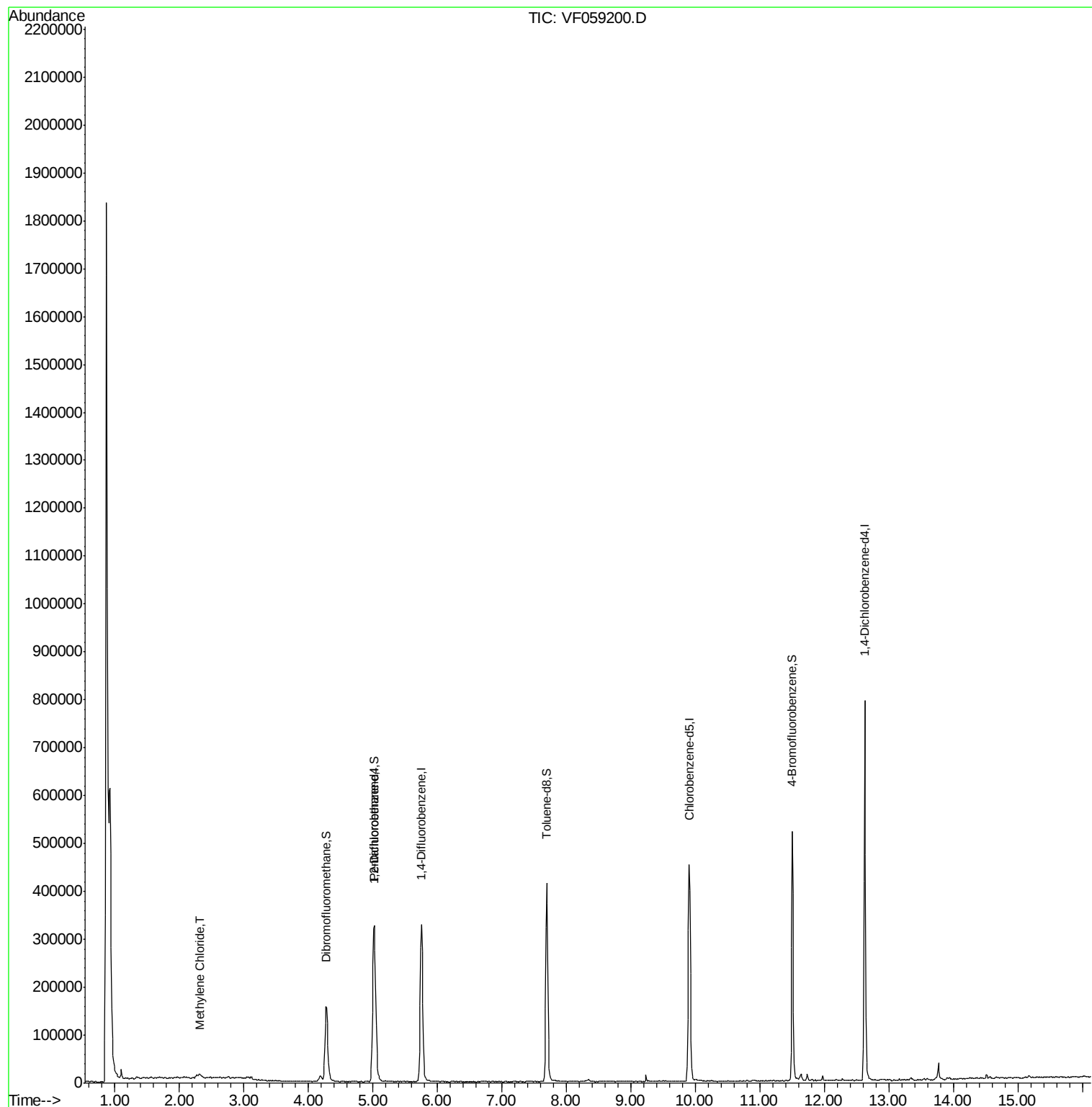
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	2.31	84	5792	3.82	ug/l	# 89

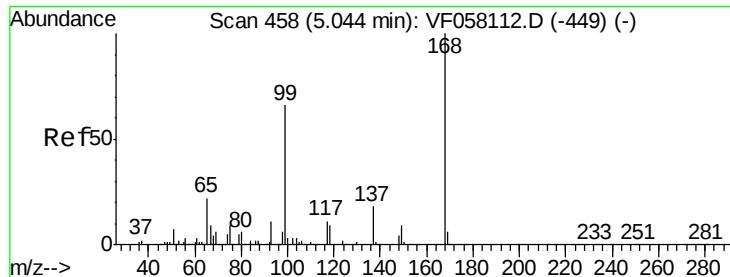
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.02 min

Lab File: VF059200.D

Acq: 19 Jun 2018 20:34

Instrument :

MSVOA_F

ClientSampleId :

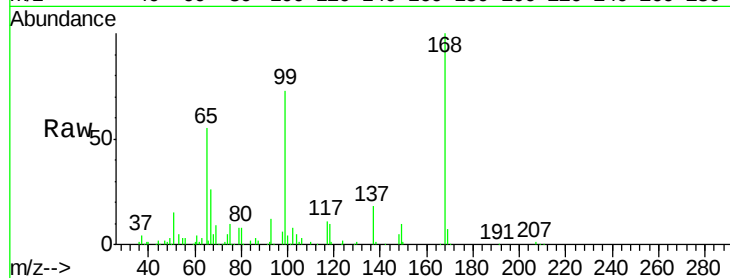
HD-01-061518RE

Tot Ion:168 Resp: 218706

Ion Ratio Lower Upper

168 100

99 73.0 52.9 79.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

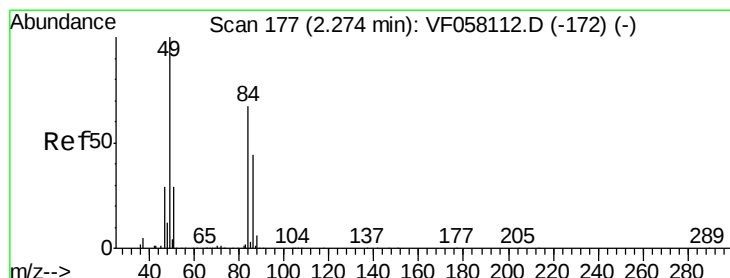
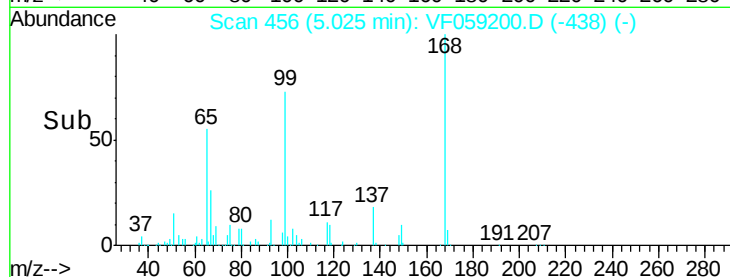
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 3.82 ug/l

RT: 2.31 min Scan# 181

Delta R.T. 0.04 min

Lab File: VF059200.D

Acq: 19 Jun 2018 20:34

Tgt Ion: 84 Resp: 5792

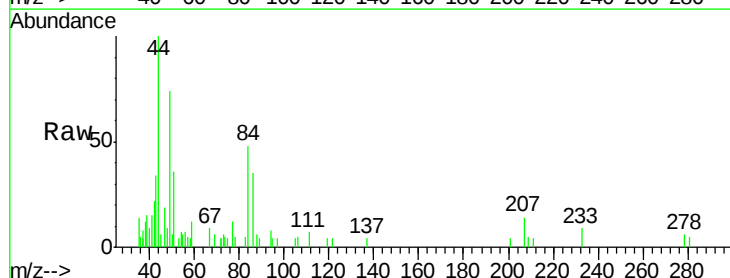
Ion Ratio Lower Upper

84 100

49 153.9 121.0 181.4

51 74.3 35.8 53.6#

86 72.7 53.2 79.8



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

3000

2500

2000

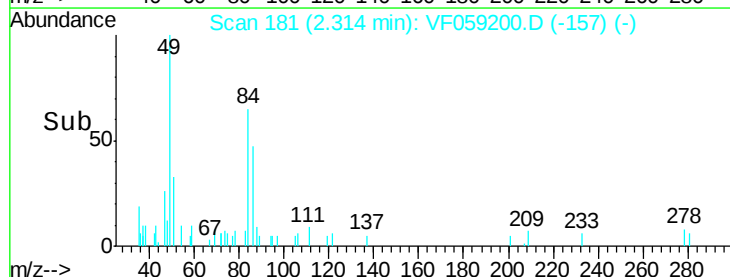
1500

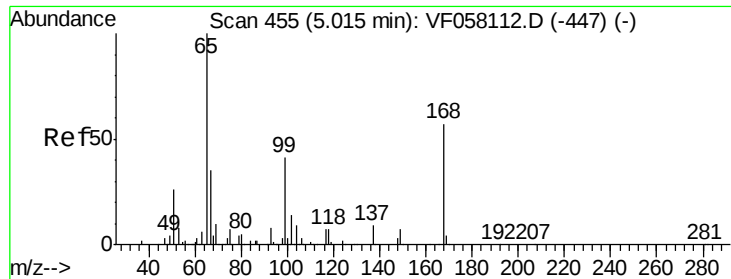
1000

500

0

Time-->

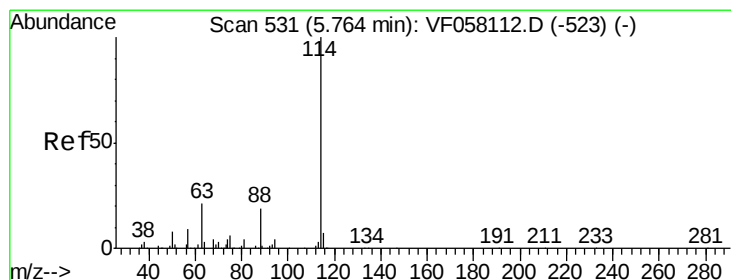
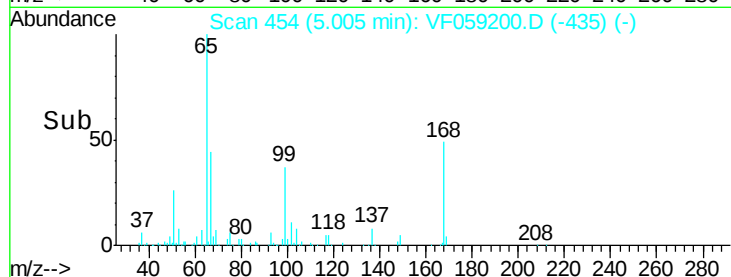
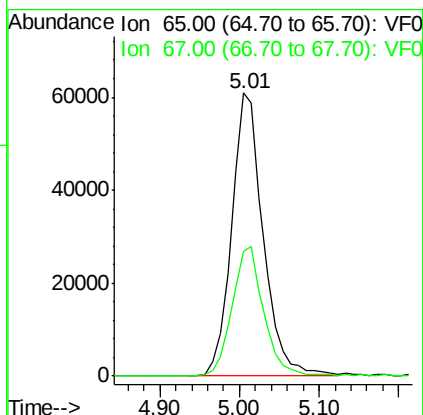
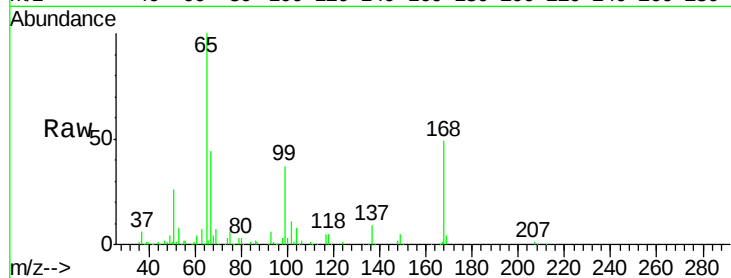




#33
 1,2-Dichloroethane-d4
 Concen: 63.36 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. -0.01 min
 Lab File: VF059200.D
 Acq: 19 Jun 2018 20:34

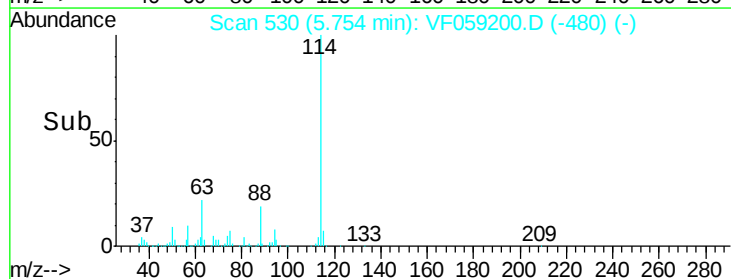
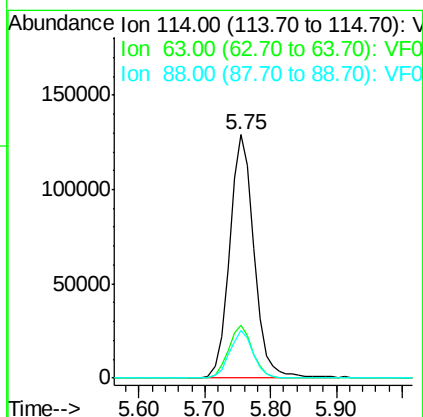
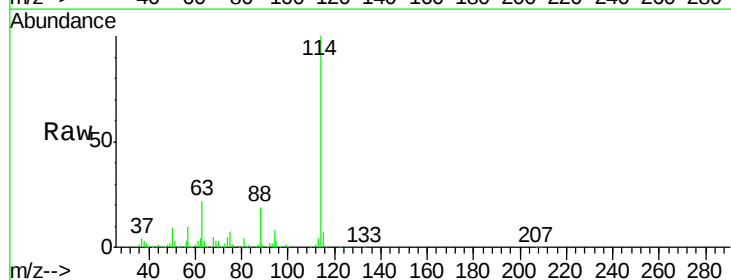
Instrument :
 MSVOA_F
 ClientSampleId :
 HD-01-061518RE

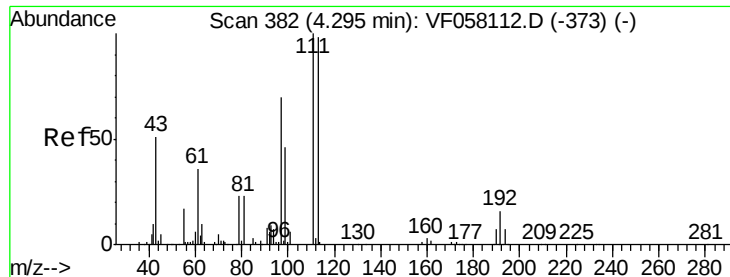
Tot Ion: 65 Resp: 168065
 Ion Ratio Lower Upper
 65 100
 67 44.2 0.0 97.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VF059200.D
 Acq: 19 Jun 2018 20:34

Tgt Ion:114 Resp: 335471
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 41.6
 88 19.4 0.0 38.8

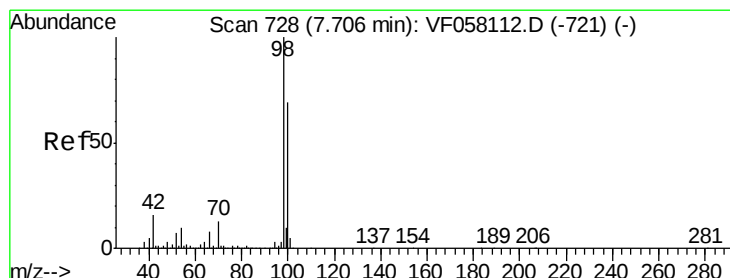
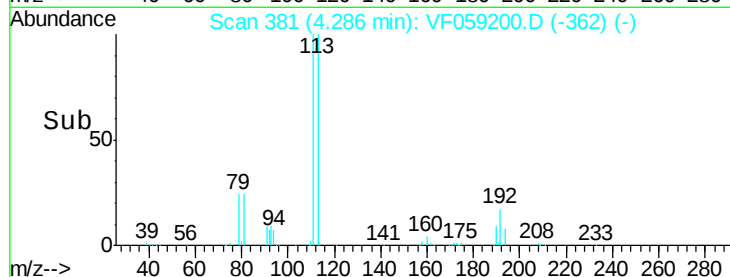
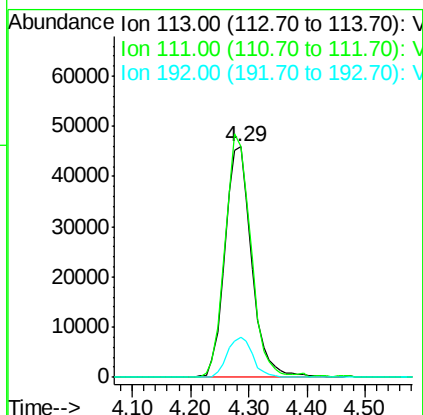
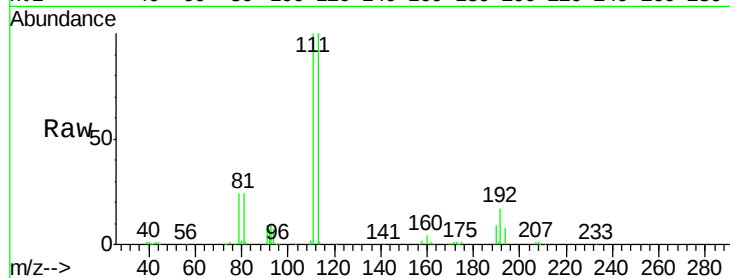




#35
 Dibromofluoromethane
 Concen: 62.37 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VF059200.D
 Acq: 19 Jun 2018 20:34

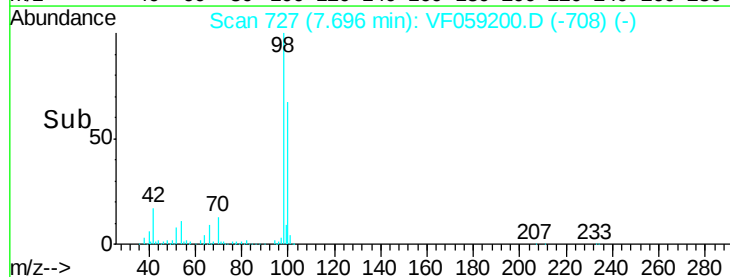
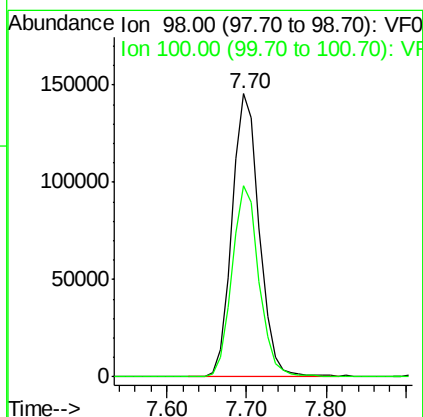
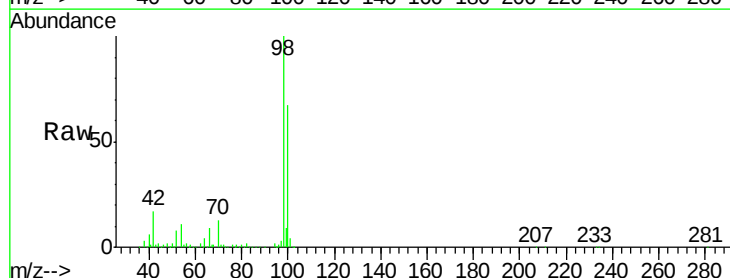
Instrument :
 MSVOA_F
 ClientSampleId :
 HD-01-061518RE

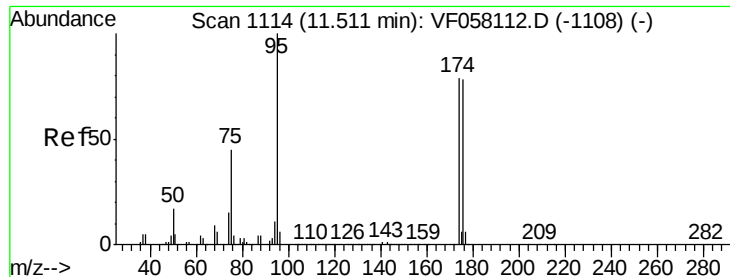
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.4	81.3	121.9
192	17.4	12.7	19.1



#50
 Toluene-d8
 Concen: 50.32 ug/l
 RT: 7.70 min Scan# 727
 Delta R.T. -0.01 min
 Lab File: VF059200.D
 Acq: 19 Jun 2018 20:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.3	55.6	83.4

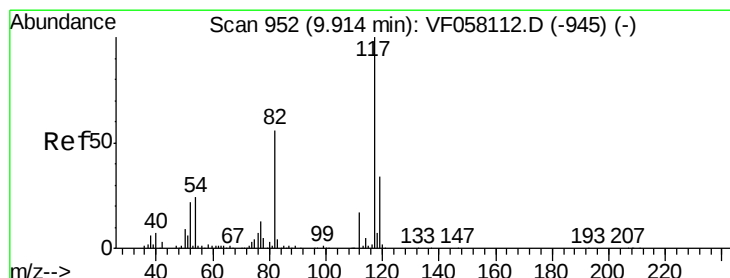
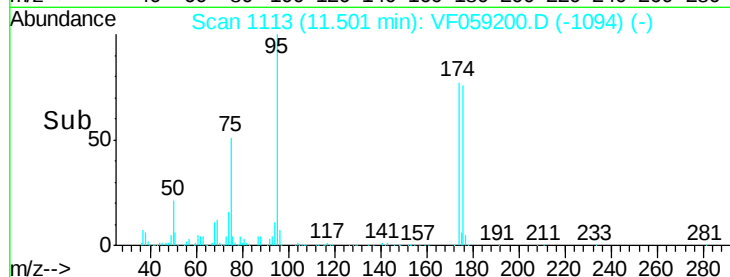
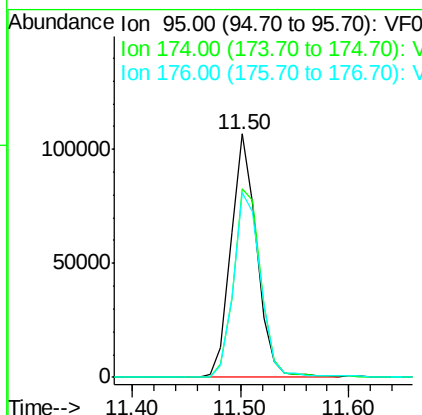
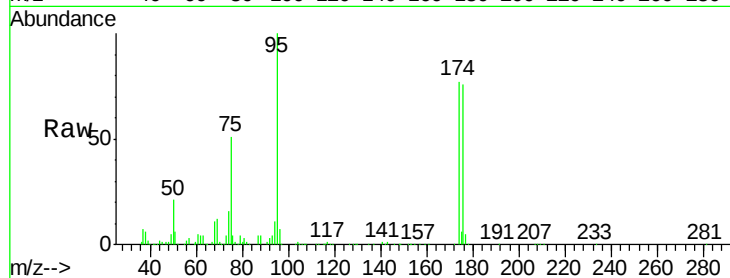




#62
4-Bromofluorobenzene
Concen: 50.15 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VF059200.D
Acq: 19 Jun 2018 20:34

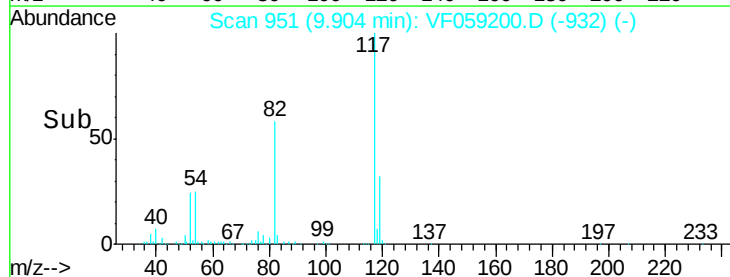
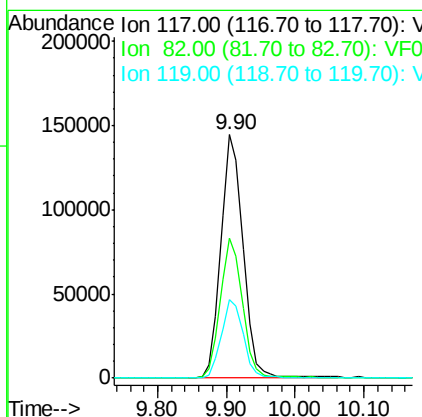
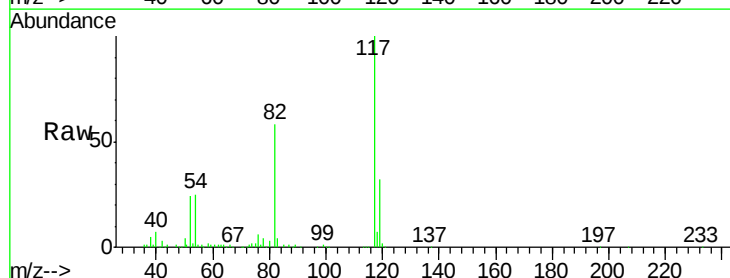
Instrument :
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ClientSampleId :
HD-01-061518RE

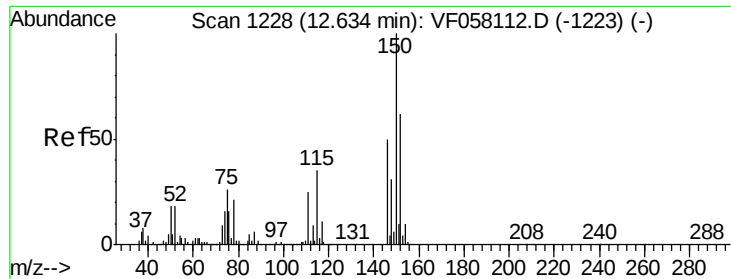
Tot Ion: 95 Resp: 177886
Ion Ratio Lower Upper
95 100
174 77.4 0.0 157.8
176 75.9 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF059200.D
Acq: 19 Jun 2018 20:34

Tgt Ion: 117 Resp: 324268
Ion Ratio Lower Upper
117 100
82 57.6 45.2 67.8
119 32.1 27.5 41.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.62 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059200.D

Acq: 19 Jun 2018 20:34

Instrument :

MSVOA_F

ClientSampleId :

HD-01-061518RE

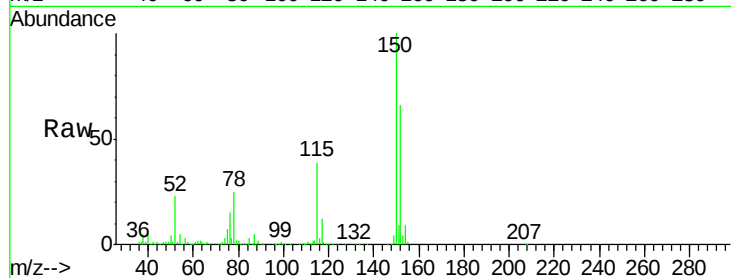
Tot Ion:152 Resp: 189769

Ion Ratio Lower Upper

152 100

115 58.8 28.5 85.5

150 151.3 0.0 323.8



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

