

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF090718\
 Data File : VF060220.D
 Acq On : 7 Sep 2018 19:45
 Operator : VA/AP
 Sample : J4803-03
 Misc : 5.27g/5mL/MSVOA F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q2-E7

Quant Time: Sep 08 00:28:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 07 10:44:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	158662	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	230743	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	243800	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	133982	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	116463	42.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.04%	
35) Dibromofluoromethane	4.28	113	101029	44.69	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	89.38%	
50) Toluene-d8	7.71	98	208203	36.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	73.82%	
62) 4-Bromofluorobenzene	11.51	95	107786	33.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	67.72%	

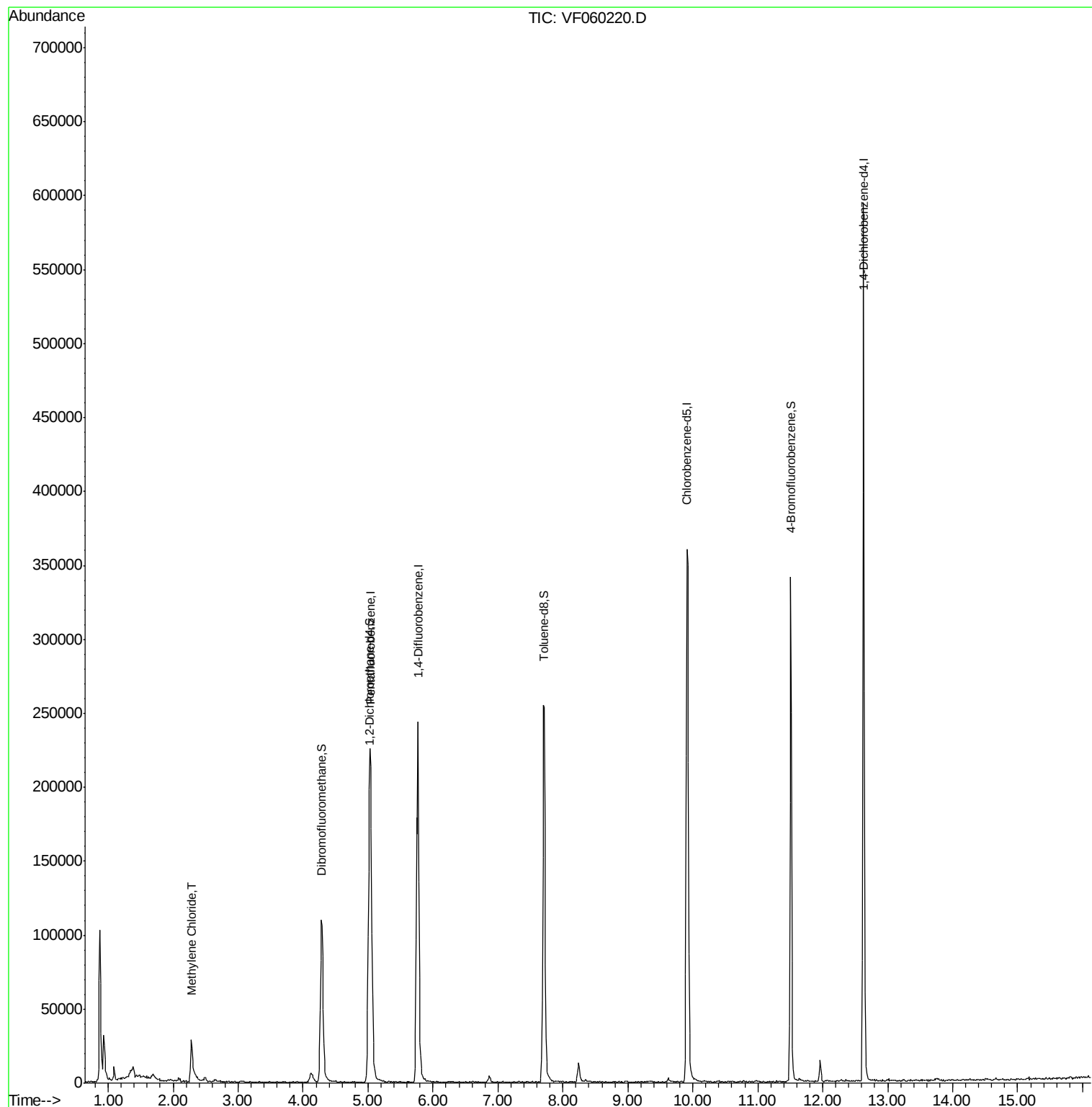
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	2.28	84	15799	3.37	ug/l	86

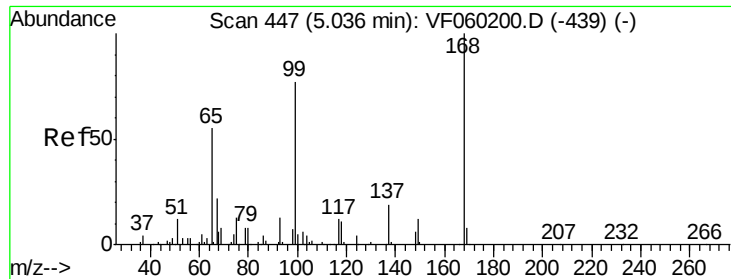
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 447

Delta R.T. 0.00 min

Lab File: VF060220.D

Acq: 7 Sep 2018 19:45

Instrument :

MSVOA_F

ClientSampleId :

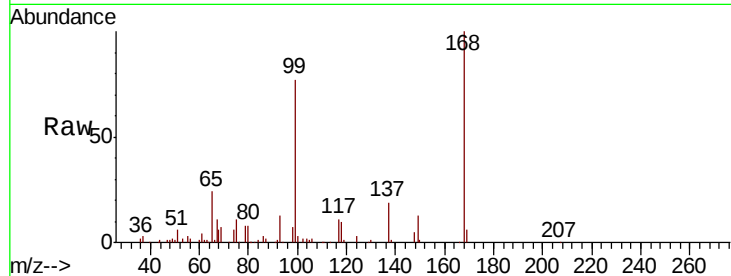
EP1-Q2-E7

Tot Ion:168 Resp: 158662

Ion Ratio Lower Upper

168 100

99 76.9 61.8 92.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

60000

50000

40000

30000

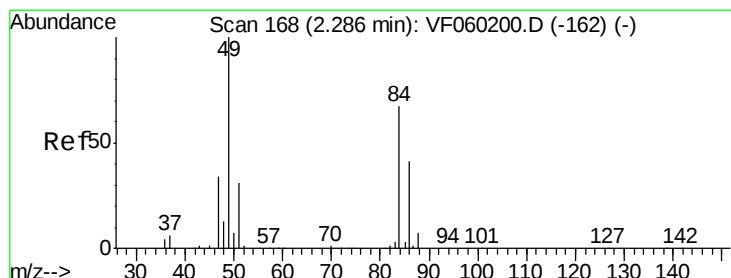
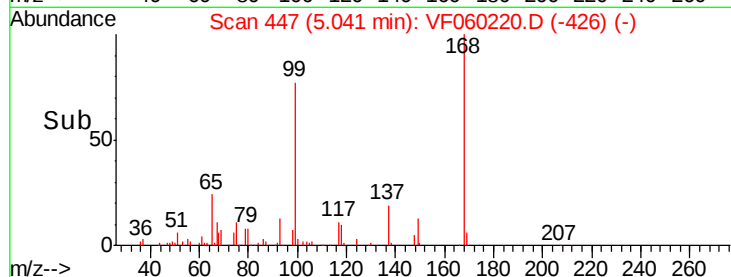
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#20

Methylene Chloride

Concen: 3.37 ug/l

RT: 2.28 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF060220.D

Acq: 7 Sep 2018 19:45

Tgt Ion: 84 Resp: 15799

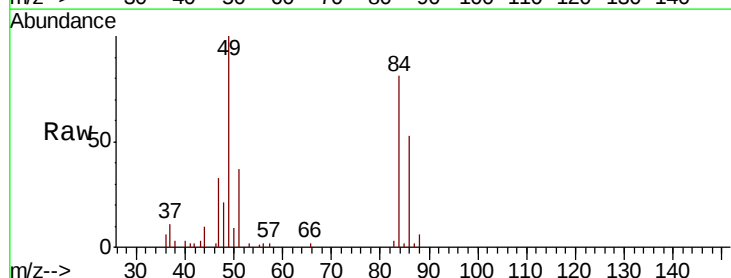
Ion Ratio Lower Upper

84 100

49 123.6 120.1 180.1

51 45.8 37.0 55.6

86 65.9 49.0 73.6



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

10000

8000

6000

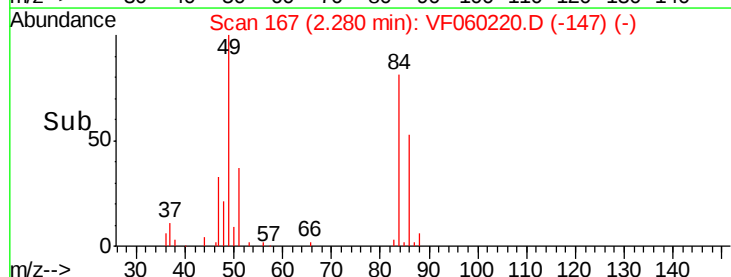
4000

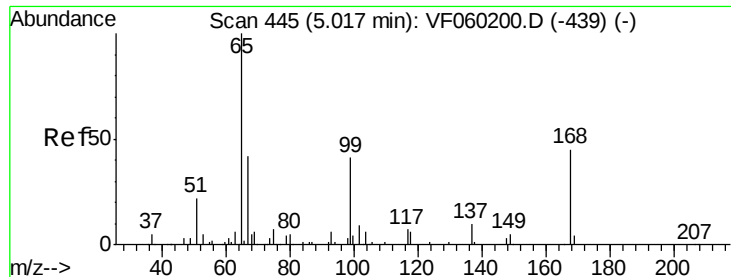
2000

0

Time-->

2.20 2.30 2.40





#33

1,2-Dichloroethane-d4

Concen: 42.02 ug/l

RT: 5.01 min Scan# 444

Delta R.T. -0.01 min

Lab File: VF060220.D

Acq: 7 Sep 2018 19:45

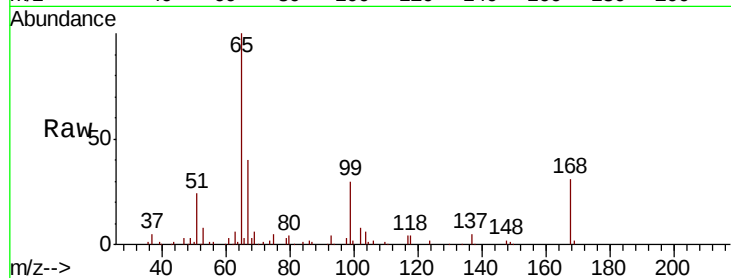
Instrument :
MSVOA_F
ClientSampleId :
EP1-Q2-E7

Tot Ion: 65 Resp: 116463

Ion Ratio Lower Upper

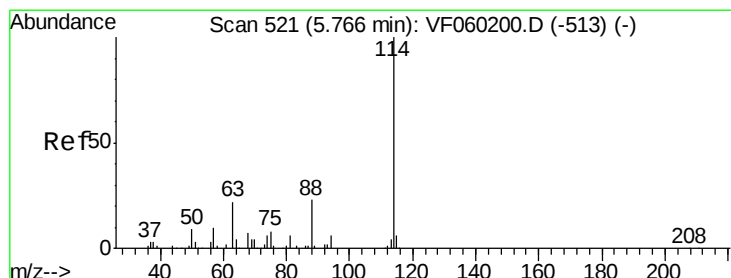
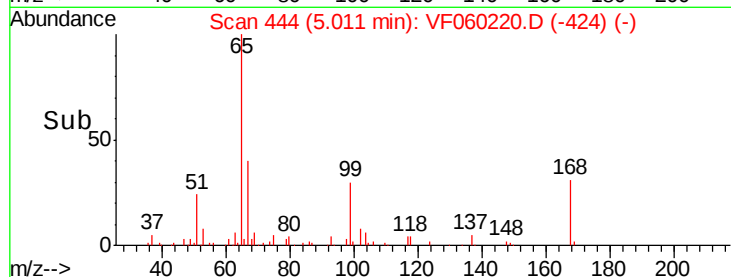
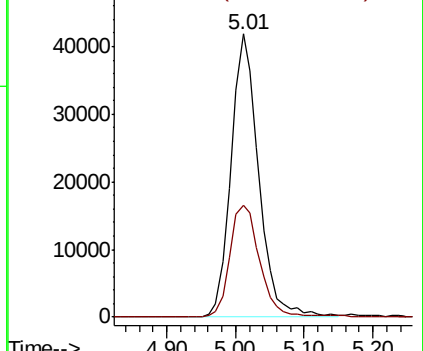
65 100

67 39.6 0.0 87.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.77 min Scan# 521

Delta R.T. 0.00 min

Lab File: VF060220.D

Acq: 7 Sep 2018 19:45

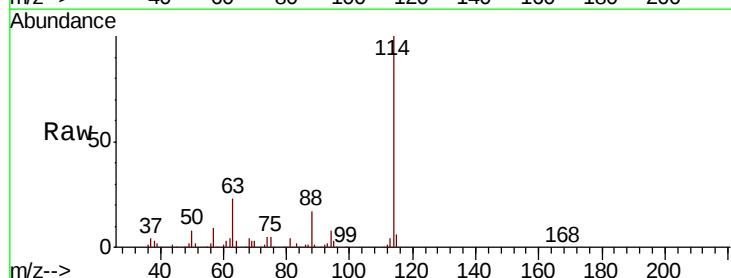
Tgt Ion: 114 Resp: 230743

Ion Ratio Lower Upper

114 100

63 23.5 0.0 45.6

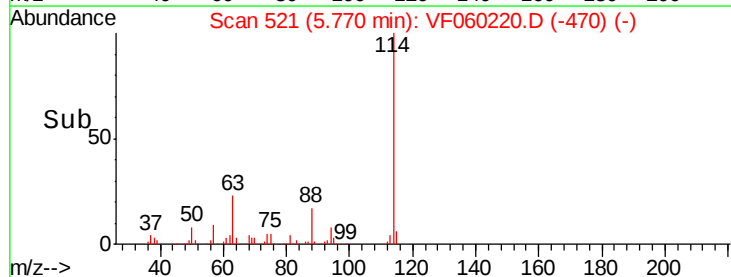
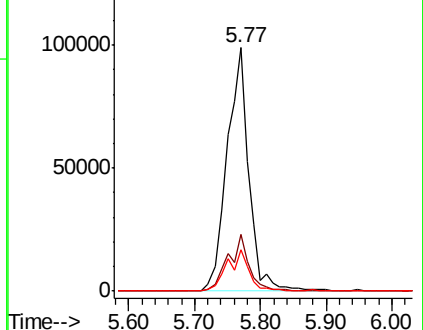
88 16.9 0.0 46.4

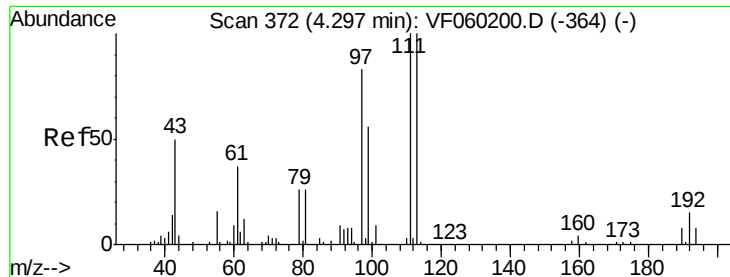


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

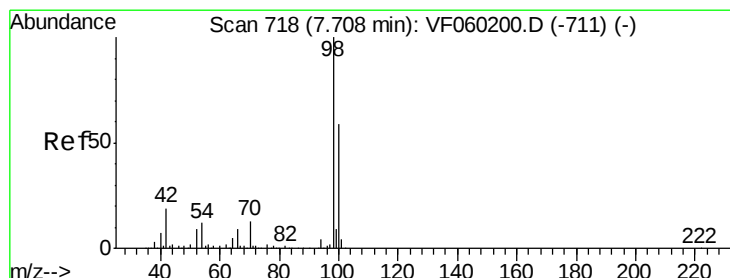
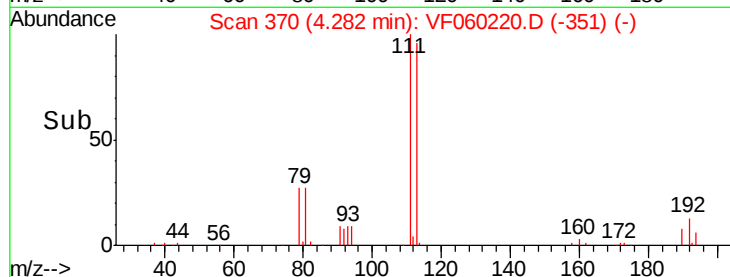
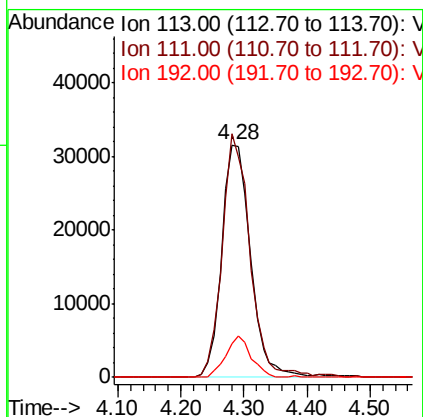
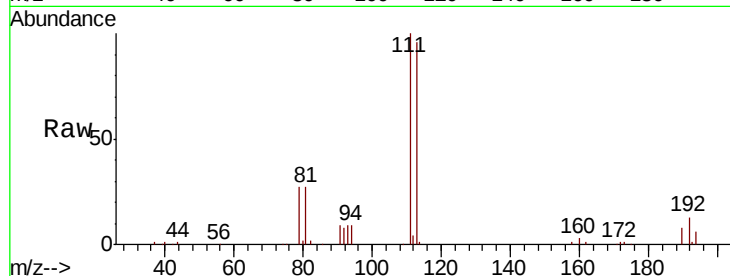




#35
 Dibromofluoromethane
 Concen: 44.69 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. -0.02 min
 Lab File: VF060220.D
 Acq: 7 Sep 2018 19:45

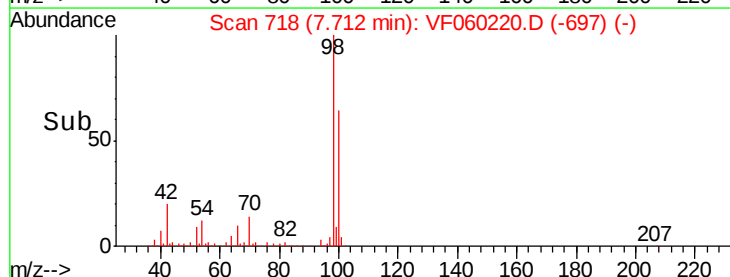
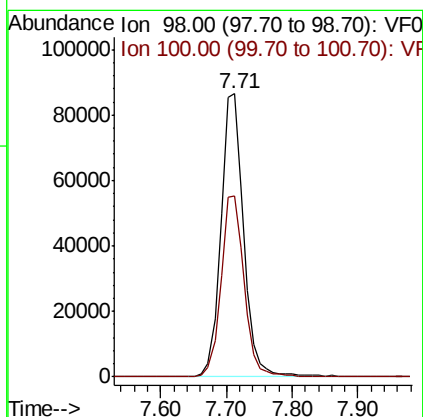
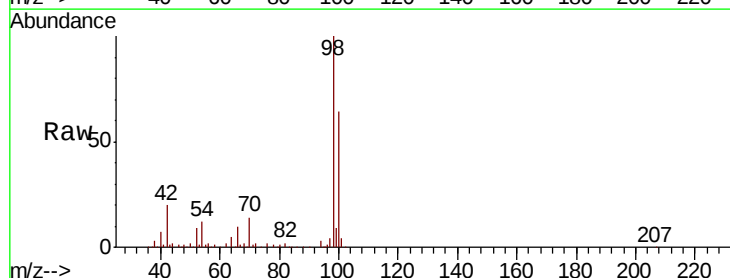
Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q2-E7

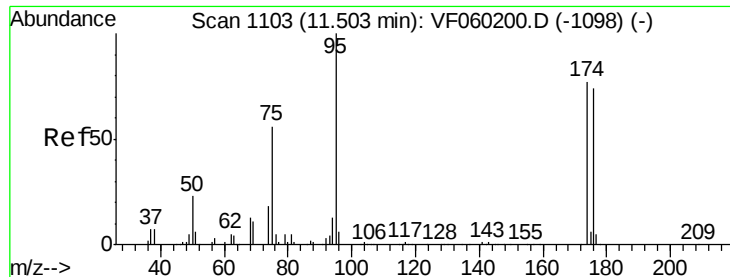
Tot Ion:113 Resp: 101029
 Ion Ratio Lower Upper
 113 100
 111 103.6 80.2 120.2
 192 14.1 11.8 17.8



#50
 Toluene-d8
 Concen: 36.91 ug/l
 RT: 7.71 min Scan# 718
 Delta R.T. 0.00 min
 Lab File: VF060220.D
 Acq: 7 Sep 2018 19:45

Tgt Ion: 98 Resp: 208203
 Ion Ratio Lower Upper
 98 100
 100 64.1 47.4 71.0

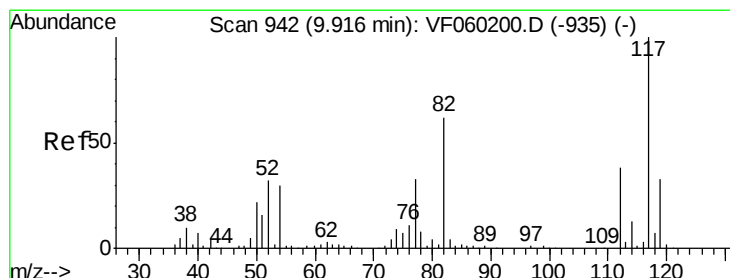
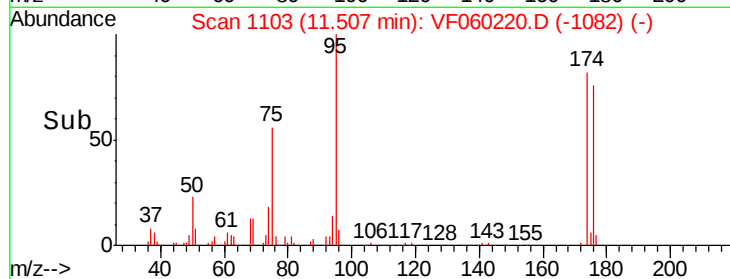
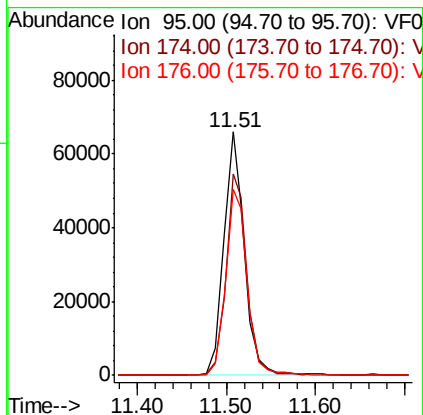
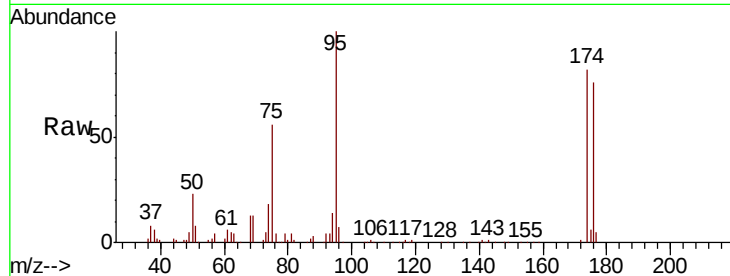




#62
4-Bromofluorobenzene
Concen: 33.86 ug/l
RT: 11.51 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VF060220.D
Acq: 7 Sep 2018 19:45

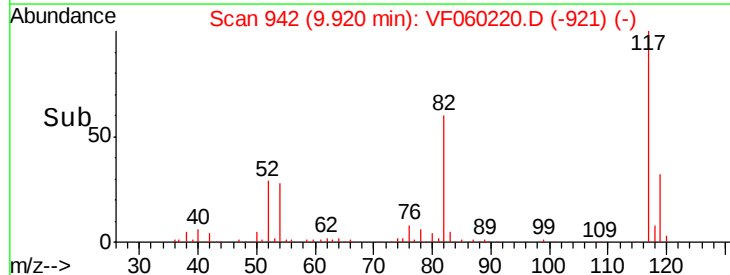
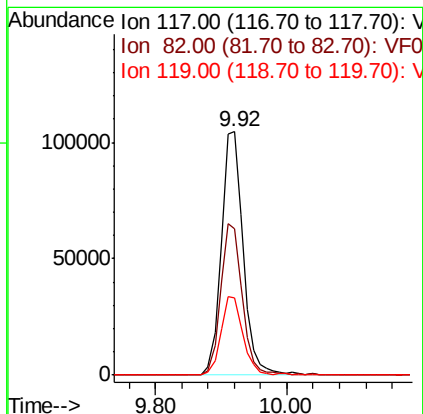
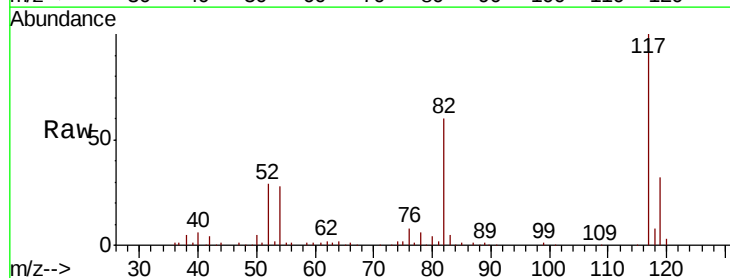
Instrument :
MSVOA_F
ClientSampleId :
EP1-Q2-E7

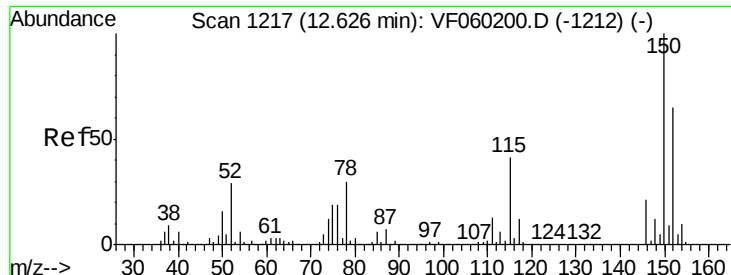
Tot Ion: 95 Resp: 107786
Ion Ratio Lower Upper
95 100
174 82.5 0.0 153.2
176 76.2 0.0 147.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 942
Delta R.T. 0.00 min
Lab File: VF060220.D
Acq: 7 Sep 2018 19:45

Tgt Ion: 117 Resp: 243800
Ion Ratio Lower Upper
117 100
82 60.1 49.3 73.9
119 31.5 26.5 39.7





#72

1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1217
Delta R.T. 0.00 min
Lab File: VF060220.D
Acq: 7 Sep 2018 19:45

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q2-E7

Tot Ion	Ratio	Lower	Upper
152	100		
115	61.3	31.5	94.5
150	152.5	0.0	310.4

