

Data Path : Z:\voasrv\HPCHEM1\MSVOA F\Data\VF111918\
 Data File : VF060799.D
 Acq On : 20 Nov 2018 2:14
 Operator : VA/AP
 Sample : J5952-04
 Misc : 2.89g/5mL/MSVOA-F/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VTW-02(4-6)

Quant Time: Nov 21 14:28:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

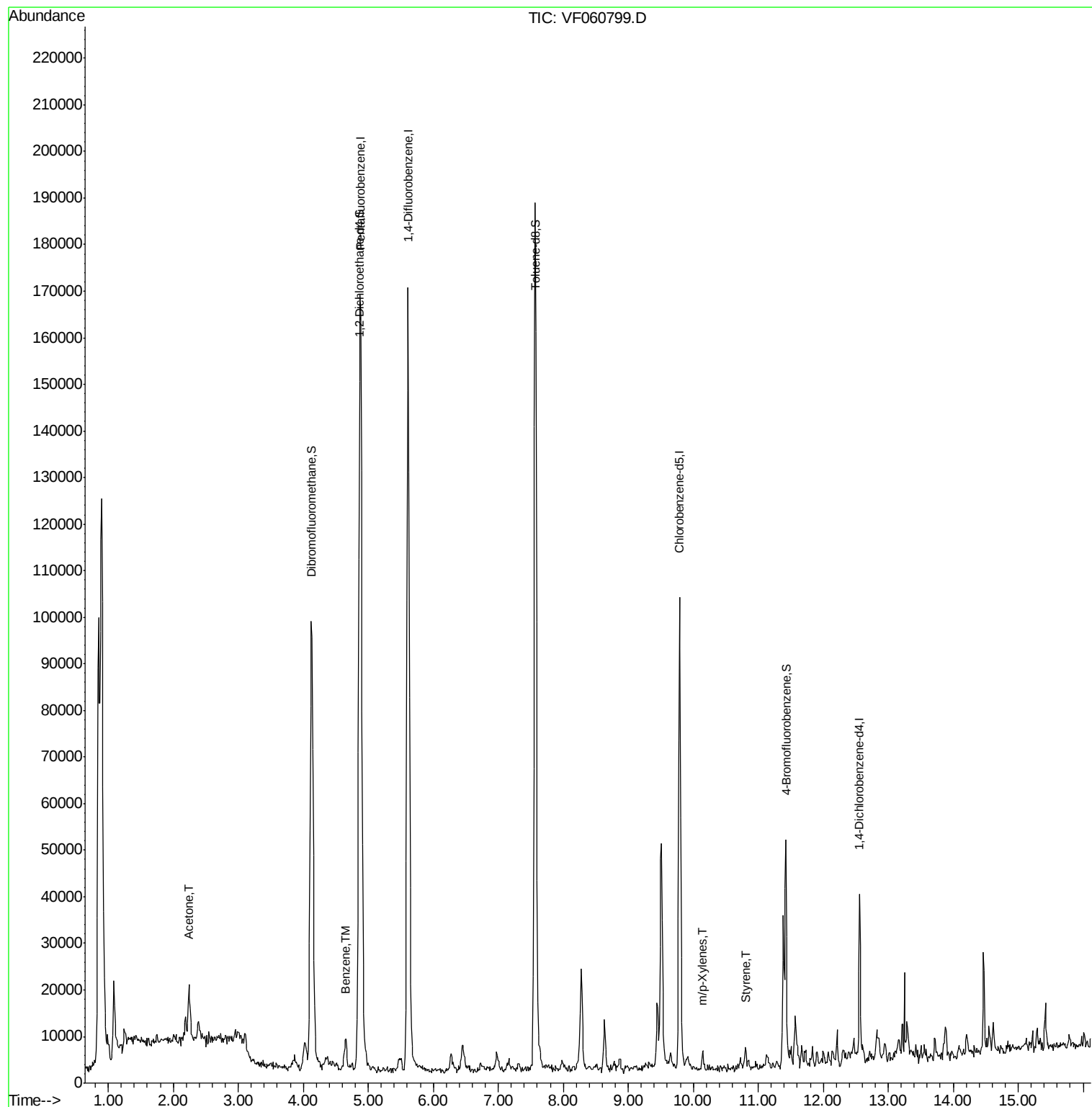
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	123788	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	190179	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	73348	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	8263	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	77013	54.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.08%	
35) Dibromofluoromethane	4.13	113	93299	65.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	130.52%	
50) Toluene-d8	7.57	98	156417	42.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.10%	
62) 4-Bromofluorobenzene	11.42	95	19007	7.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	15.64%	
Target Compounds						
16) Acetone	2.24	43	15355	50.879	ug/l #	87
40) Benzene	4.65	78	7646	1.555	ug/l	94
68) m/p-Xylenes	10.15	106	1294	1.298	ug/l	82
70) Styrene	10.80	104	2500	1.643	ug/l #	83

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.00 min

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Instrument :

MSVOA_F

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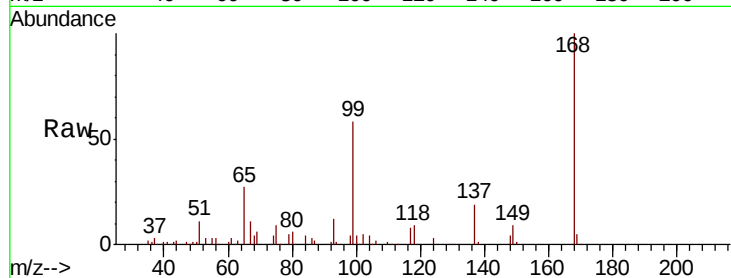
VTW-02(4-6)

Tot Ion:168 Resp: 123788

Ion Ratio Lower Upper

168 100

99 58.4 57.2 85.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

50000

40000

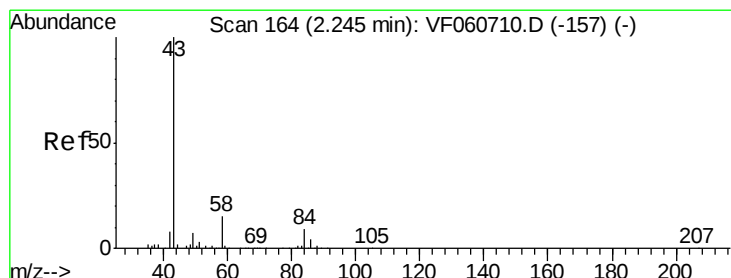
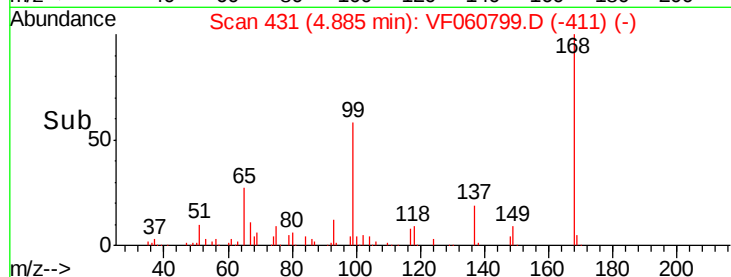
30000

20000

10000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#16

Acetone

Concen: 50.879 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.00 min

Lab File: VF060799.D

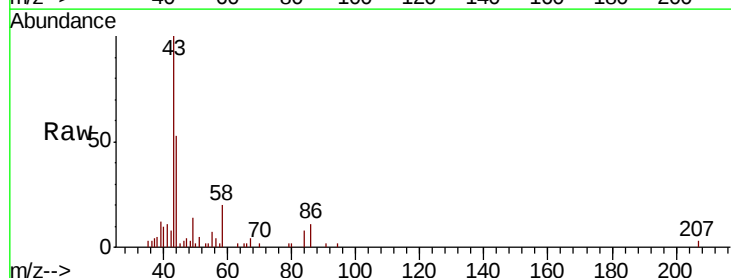
Acq: 20 Nov 2018 2:14

Tgt Ion: 43 Resp: 15355

Ion Ratio Lower Upper

43 100

58 19.7 11.6 17.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.24

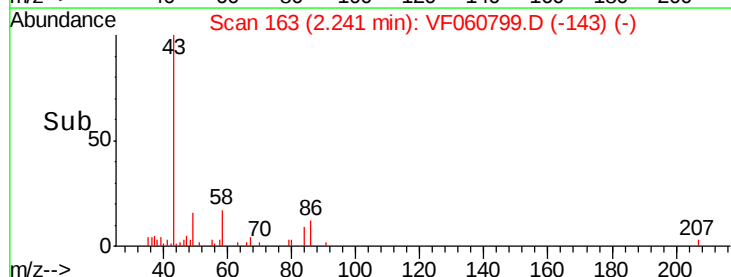
6000

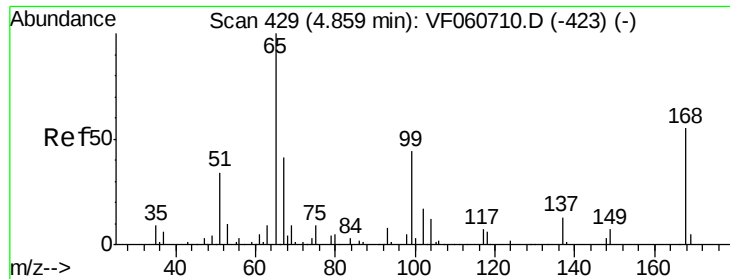
4000

2000

0

Time--> 2.10 2.20 2.30





#33

1,2-Dichloroethane-d4

Concen: 54.544 ug/l

RT: 4.86 min Scan# 428

Delta R.T. -0.00 min

Lab File: VF060799.D

Acq: 20 Nov 2018 2:14

Instrument :

MSVOA_F

ClientSampleId :

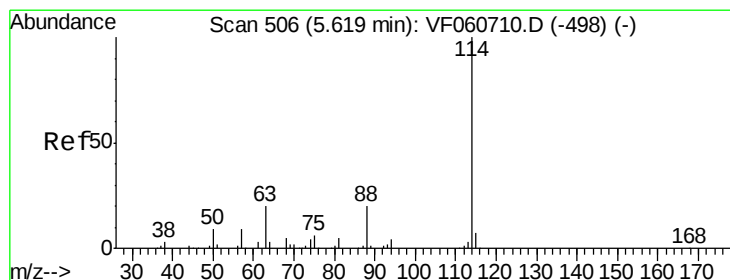
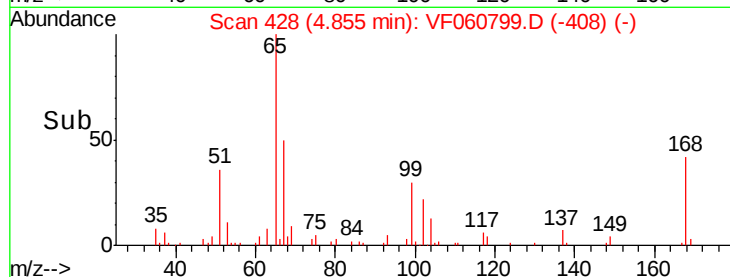
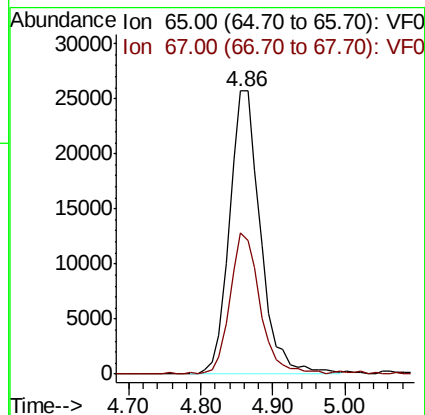
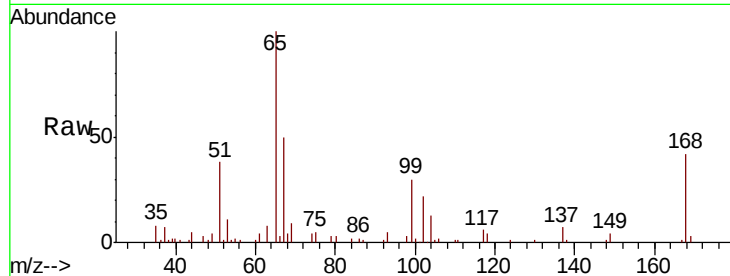
VTW-02(4-6)

Tot Ion: 65 Resp: 77013

Ion Ratio Lower Upper

65 100

67 50.1 0.0 90.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. -0.00 min

Lab File: VF060799.D

Acq: 20 Nov 2018 2:14

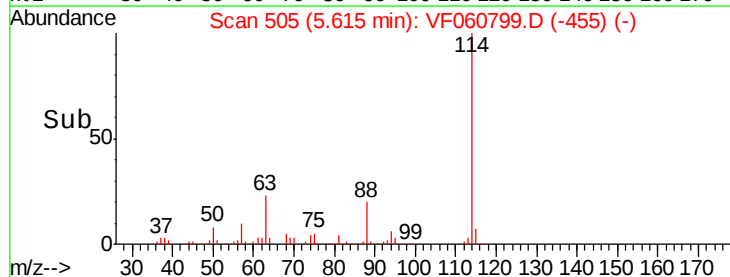
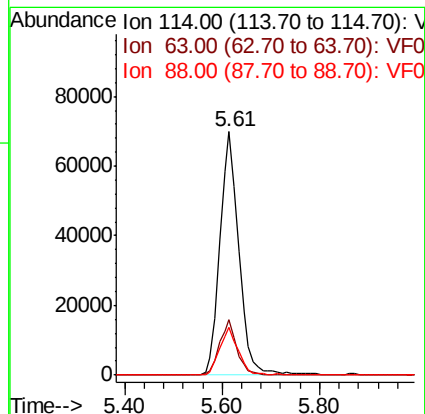
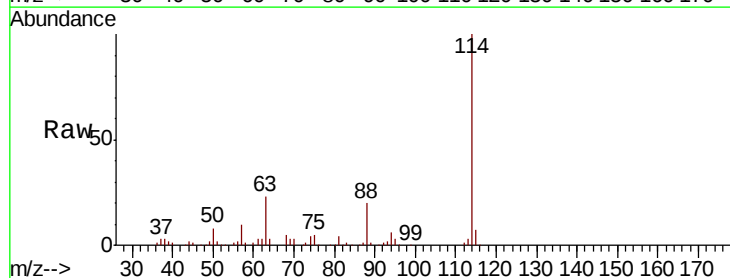
Tgt Ion: 114 Resp: 190179

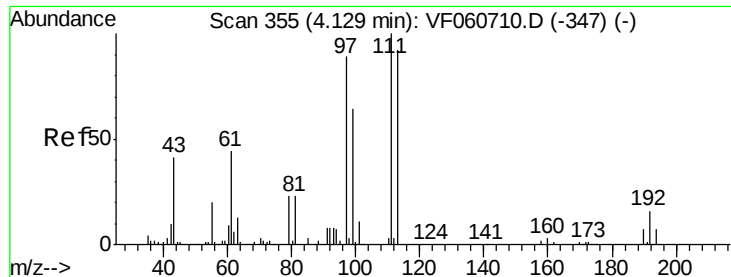
Ion Ratio Lower Upper

114 100

63 22.5 0.0 40.8

88 19.5 0.0 39.6

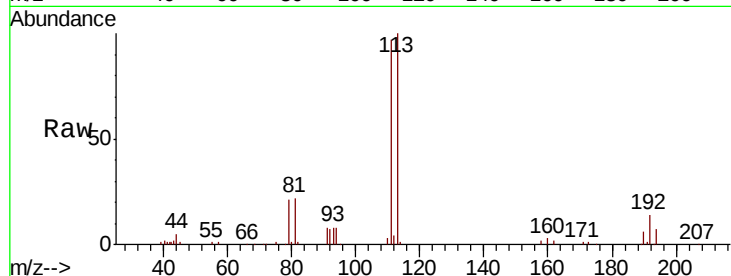




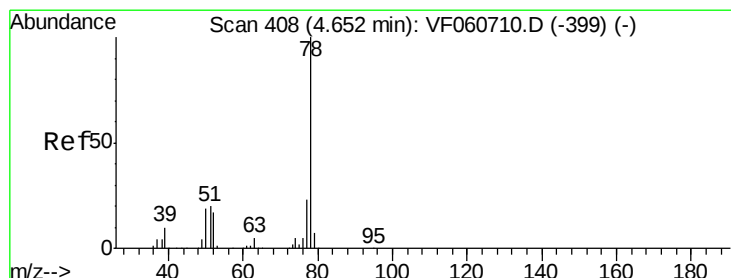
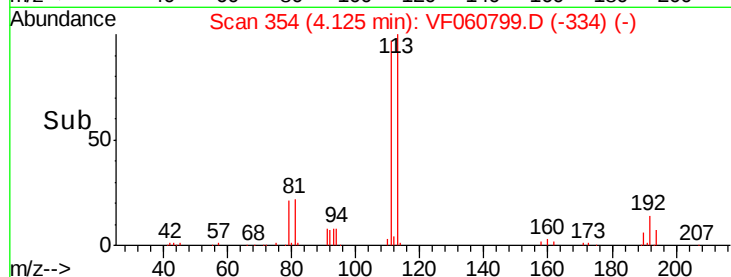
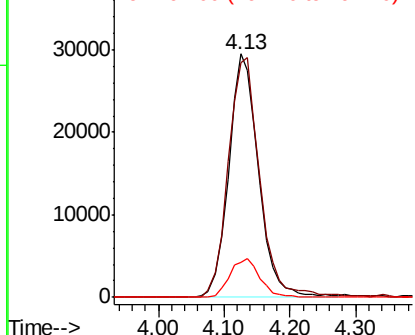
#35
 Dibromofluoromethane
 Concen: 65.264 ug/l
 RT: 4.13 min Scan# 354
 Delta R.T. -0.00 min
 Lab File: VF060799.D
 Acq: 20 Nov 2018 2:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VTW-02(4-6)

Tot Ion	Ratio	Lower	Upper
113	100		
111	96.6	87.1	130.7
192	14.1	13.8	20.6

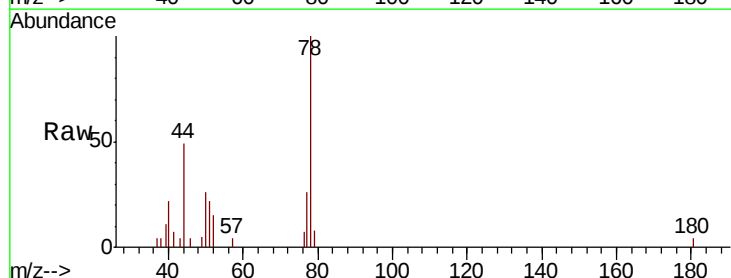


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

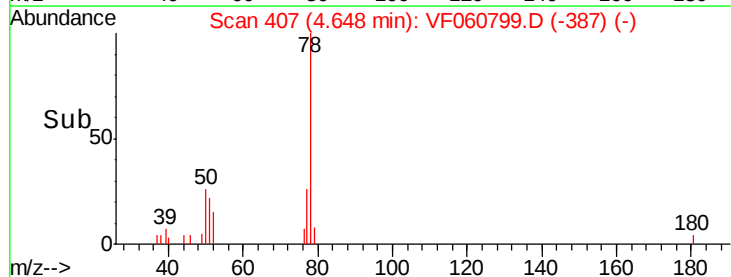
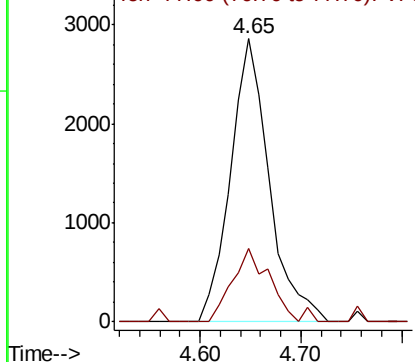


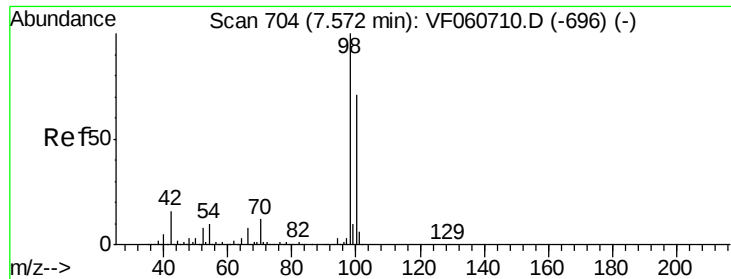
#40
 Benzene
 Concen: 1.555 ug/l
 RT: 4.65 min Scan# 407
 Delta R.T. -0.00 min
 Lab File: VF060799.D
 Acq: 20 Nov 2018 2:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.1	18.6	28.0



Abundance Ion 78.10 (77.80 to 78.80): VF0
 Ion 77.00 (76.70 to 77.70): VF0

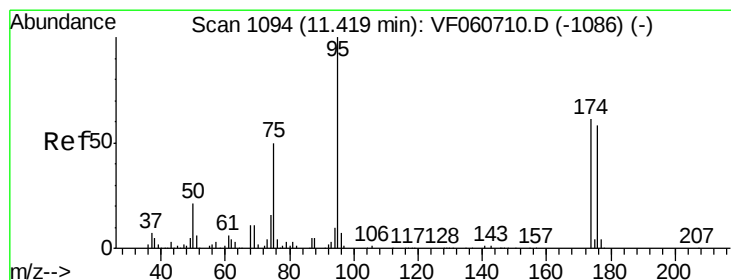
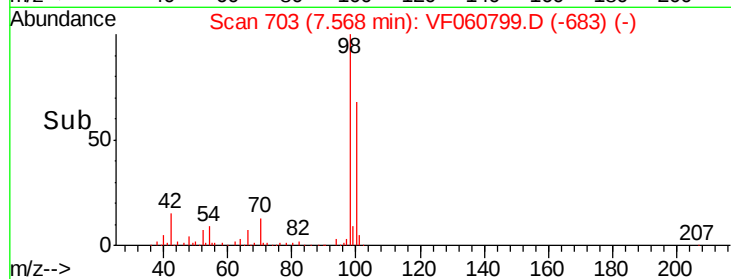
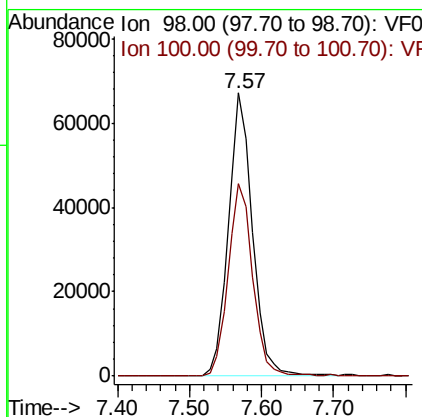
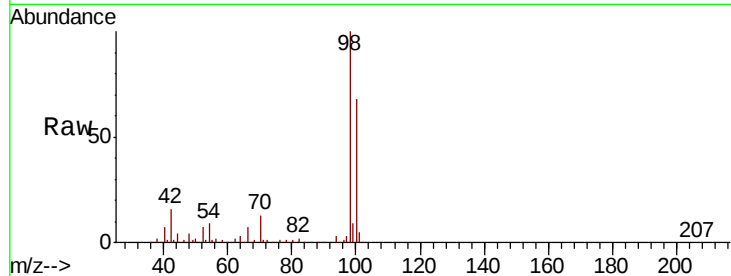




#50
Toluene-d8
Concen: 42.055 ug/l
RT: 7.57 min Scan# 703
Delta R.T. -0.00 min
Lab File: VF060799.D
Acq: 20 Nov 2018 2:14

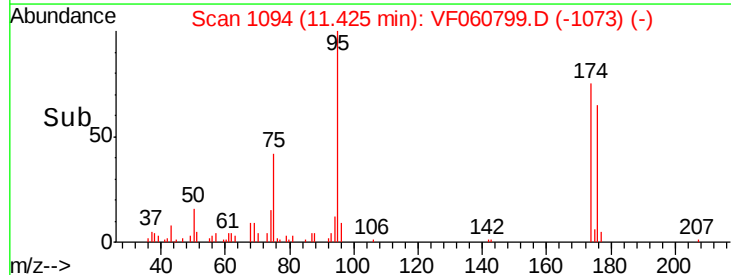
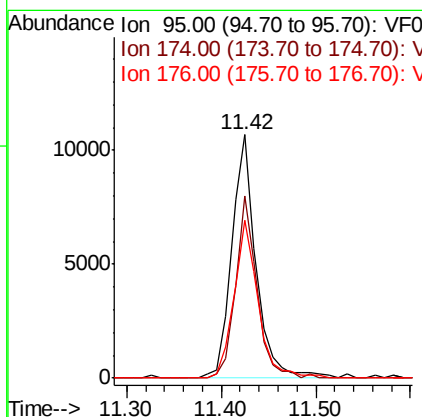
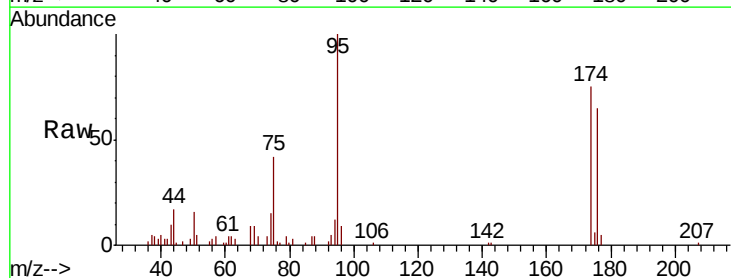
Instrument :
MSVOA_F
ClientSampleId :
VTW-02(4-6)

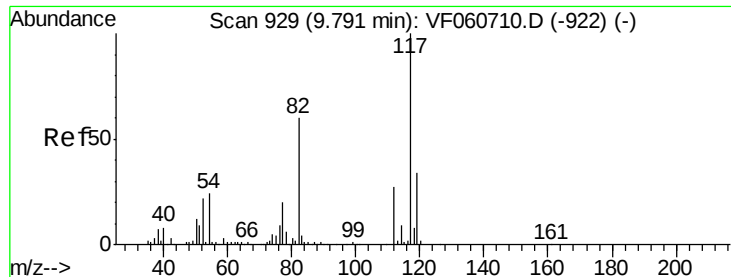
Tot Ion: 98 Resp: 156417
Ion Ratio Lower Upper
98 100
100 68.2 56.5 84.7



#62
4-Bromofluorobenzene
Concen: 7.823 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VF060799.D
Acq: 20 Nov 2018 2:14

Tgt Ion: 95 Resp: 19007
Ion Ratio Lower Upper
95 100
174 74.6 0.0 121.6
176 64.8 0.0 115.2

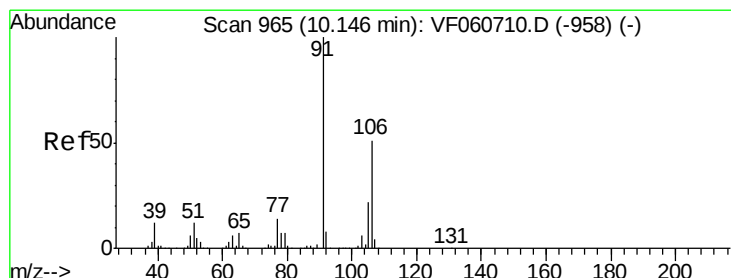
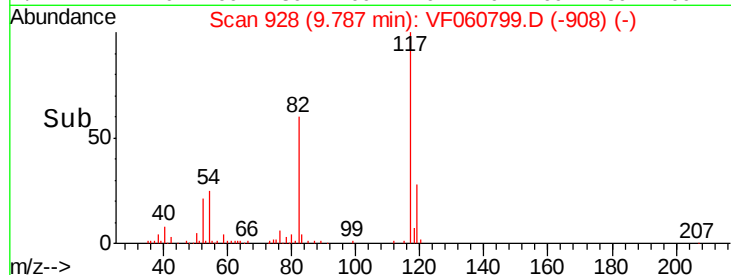
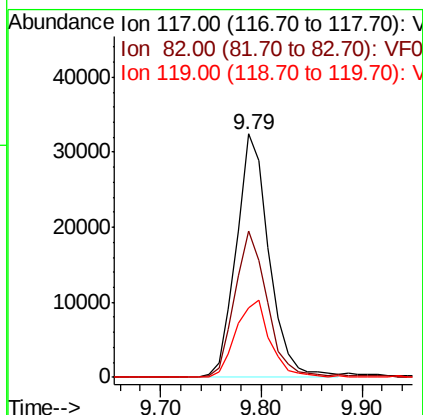
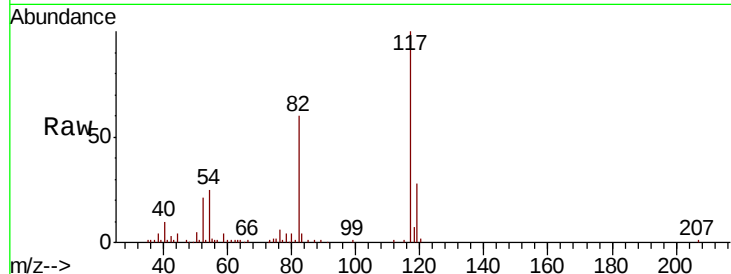




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 928
Delta R.T. -0.00 min
Lab File: VF060799.D
Acq: 20 Nov 2018 2:14

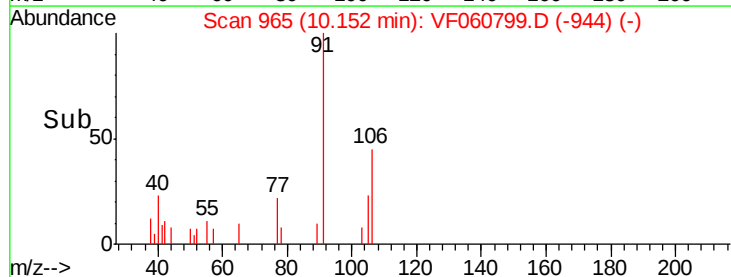
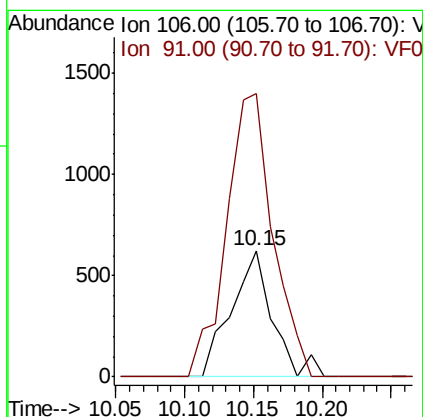
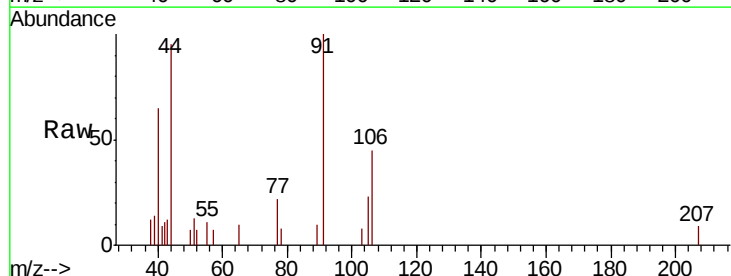
Instrument :
MSVOA_F
ClientSampleId :
VTW-02(4-6)

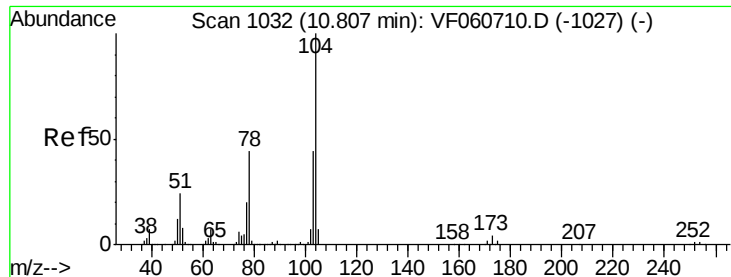
Tot Ion:117 Resp: 73348
Ion Ratio Lower Upper
117 100
82 60.0 47.9 71.9
119 28.4 26.8 40.2



#68
m/p-Xylenes
Concen: 1.298 ug/l
RT: 10.15 min Scan# 965
Delta R.T. 0.01 min
Lab File: VF060799.D
Acq: 20 Nov 2018 2:14

Tgt Ion:106 Resp: 1294
Ion Ratio Lower Upper
106 100
91 224.0 158.2 237.2

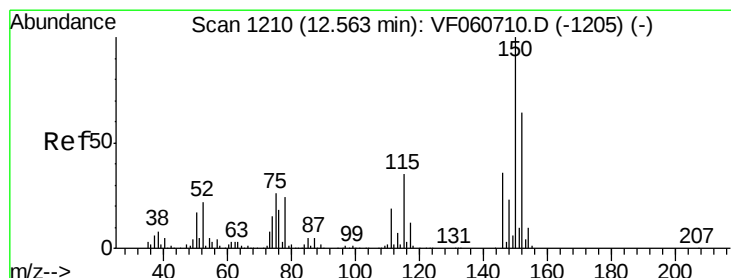
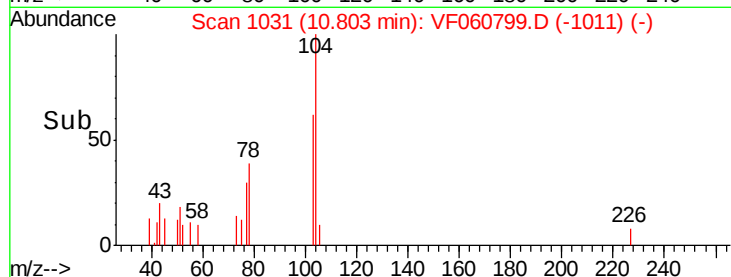
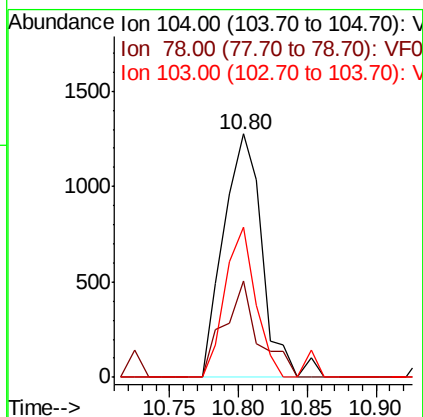
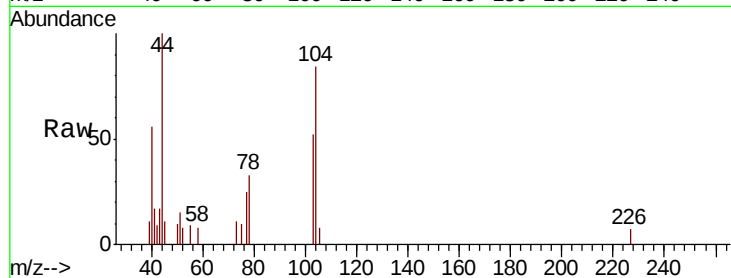




#70
Stvrene
Concen: 1.643 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VF060799.D
Acq: 20 Nov 2018 2:14

Instrument :
MSVOA_F
ClientSampleId :
VTW-02(4-6)

Tot Ion:104 Resp: 2500
Ion Ratio Lower Upper
104 100
78 39.5 35.4 53.2
103 61.6 35.8 53.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1209
Delta R.T. -0.00 min
Lab File: VF060799.D
Acq: 20 Nov 2018 2:14

Tgt Ion:152 Resp: 8263
Ion Ratio Lower Upper
152 100
115 57.1 27.9 83.7
150 147.5 0.0 316.4

