

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121118\
 Data File : VF060986.D
 Acq On : 11 Dec 2018 19:53
 Operator : VA/AP
 Sample : J6214-45
 Misc : 4.28g/5mL/MSVOA-F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-6-(0-2)

Quant Time: Dec 12 07:13:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	166557	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.61	114	278750	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.78	117	225842	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.55	152	97204	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	108663	55.38	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	110.76%	
35) Dibromofluoromethane	4.12	113	116556	52.71	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	105.42%	
50) Toluene-d8	7.56	98	247971	38.07	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	76.14%	
62) 4-Bromofluorobenzene	11.42	95	108883	36.78	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	73.56%	

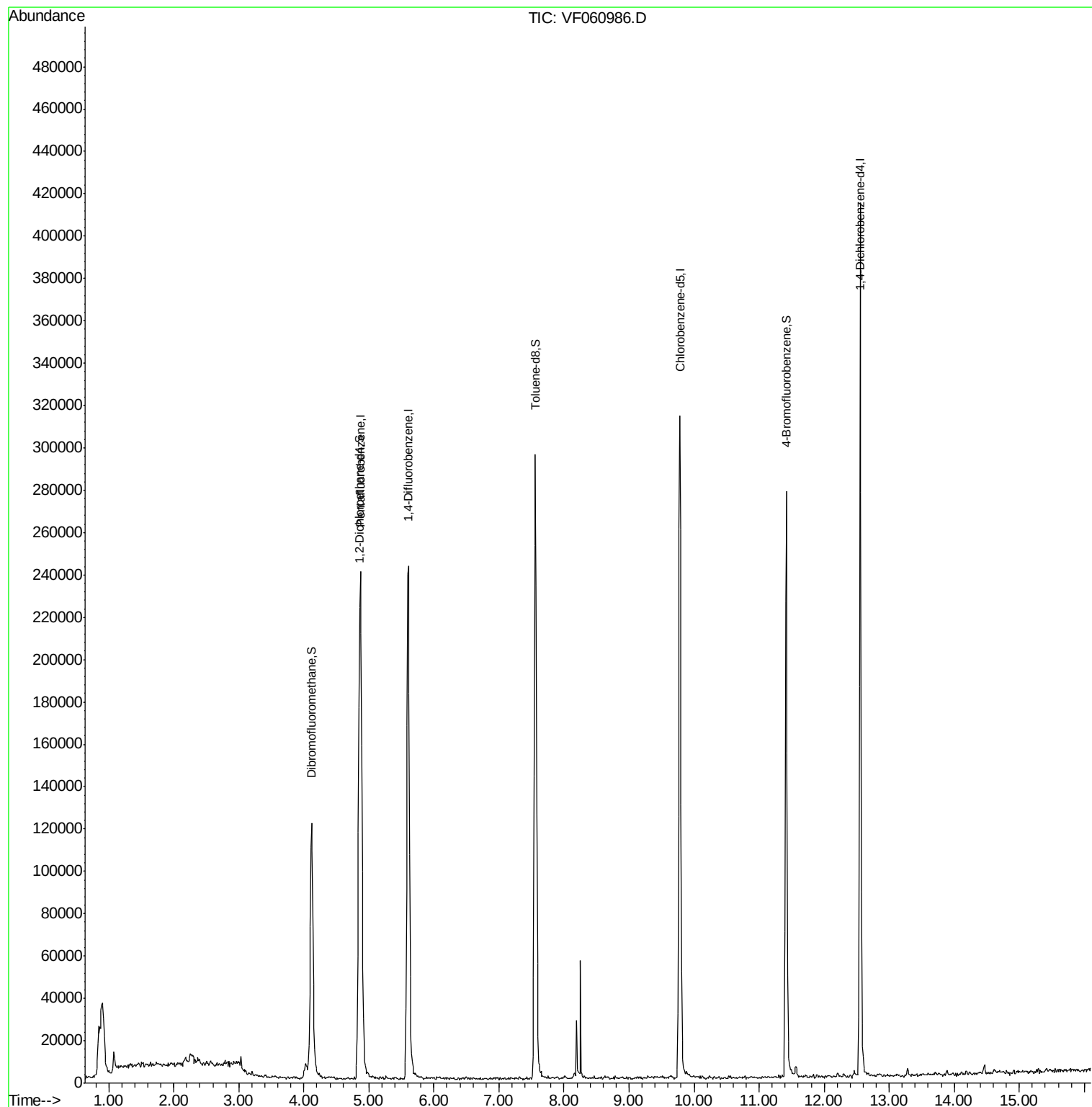
Target Compounds Qvalue

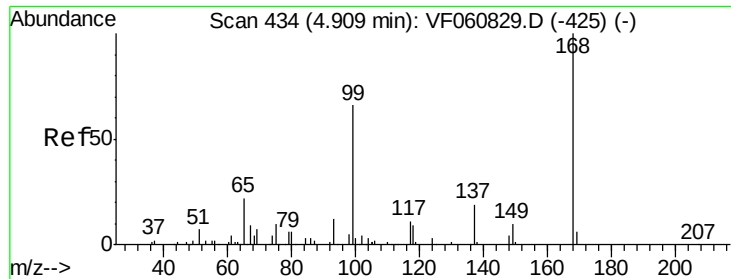
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.03 min

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Acq: 11 Dec 2018 19:53

Instrument :

MSVOA_F

ClientSampleId :

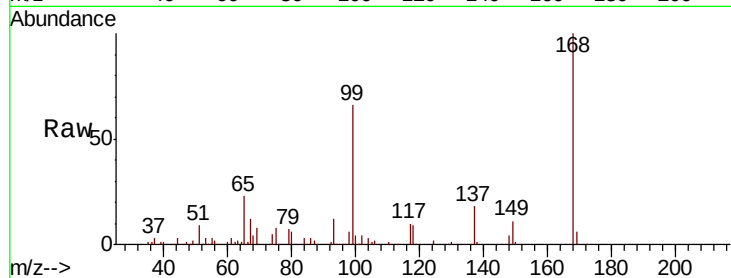
SB-6-(0-2)

Tot Ion:168 Resp: 166557

Ion Ratio Lower Upper

168 100

99 66.3 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

60000

50000

40000

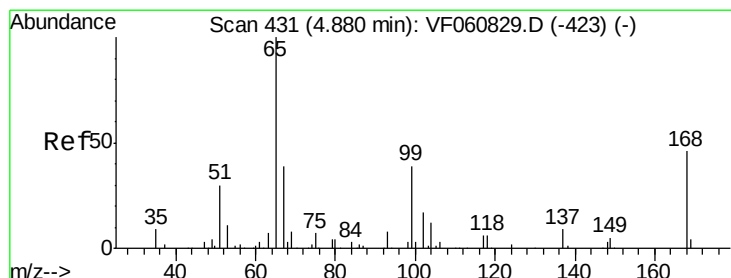
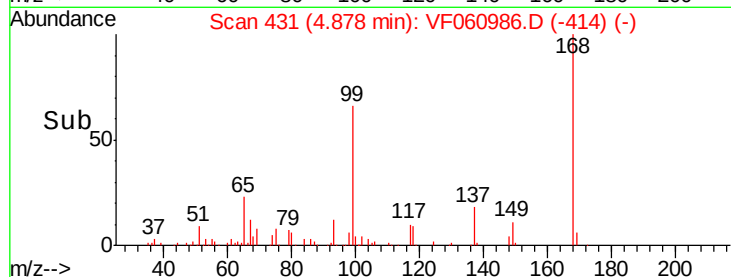
30000

20000

10000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 55.381 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.03 min

Lab File: VF060986.D

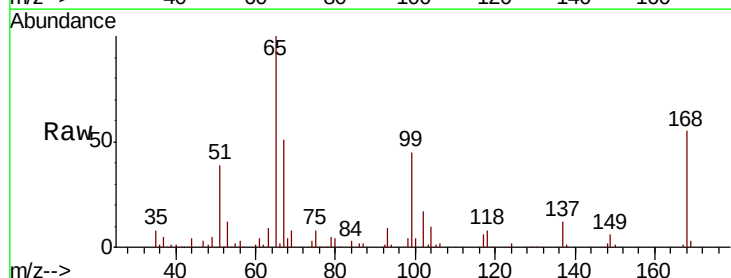
Acq: 11 Dec 2018 19:53

Tgt Ion: 65 Resp: 108663

Ion Ratio Lower Upper

65 100

67 50.7 0.0 96.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.85

40000

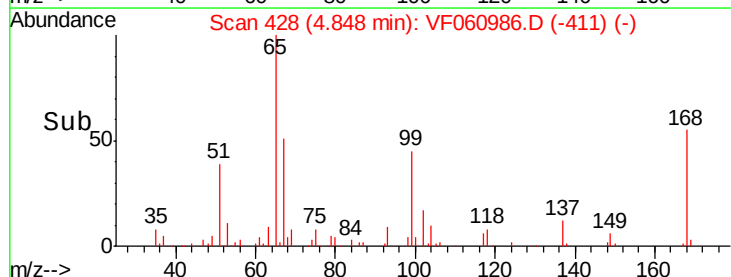
30000

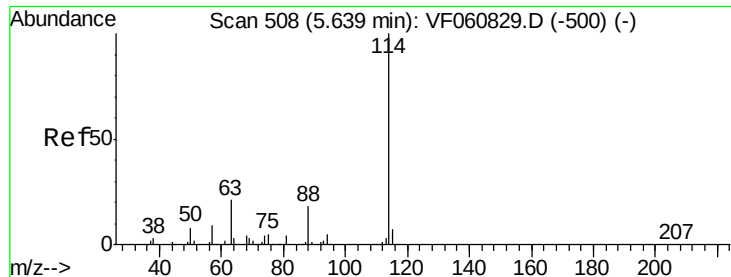
20000

10000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. -0.03 min

Lab File: VF060986.D

Acq: 11 Dec 2018 19:53

Instrument :

MSVOA_F

ClientSampleId :

SB-6-(0-2)

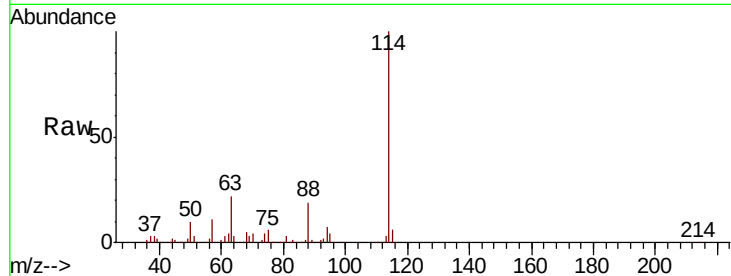
Tot Ion:114 Resp: 278750

Ion Ratio Lower Upper

114 100

63 22.0 0.0 41.6

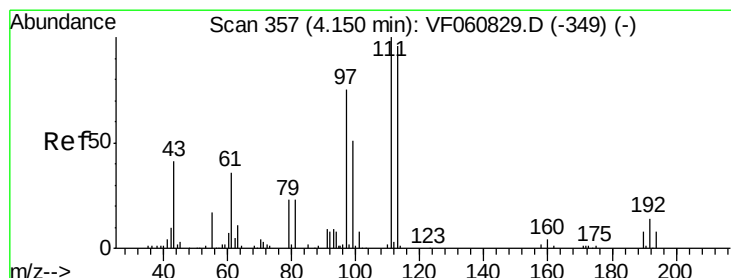
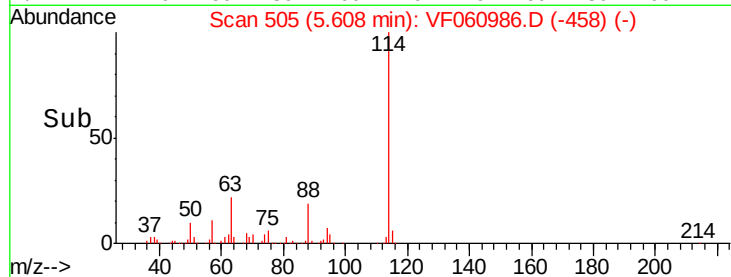
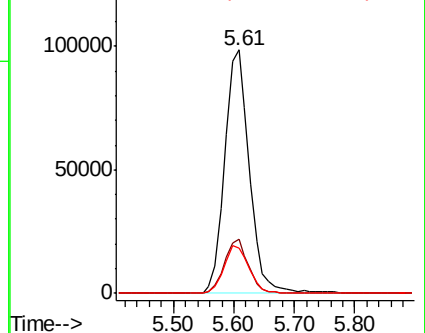
88 18.6 0.0 36.6



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: 52.707 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.03 min

Lab File: VF060986.D

Acq: 11 Dec 2018 19:53

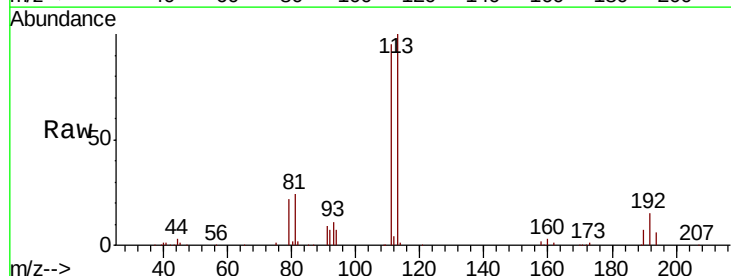
Tgt Ion:113 Resp: 116556

Ion Ratio Lower Upper

113 100

111 95.2 83.0 124.6

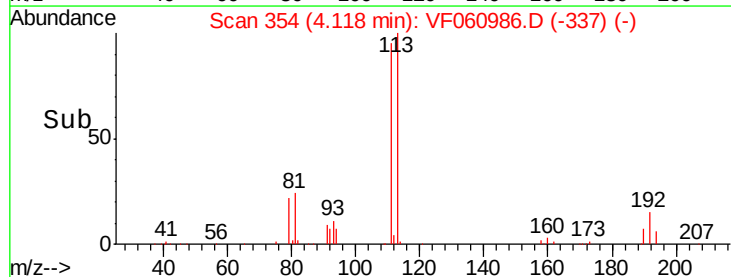
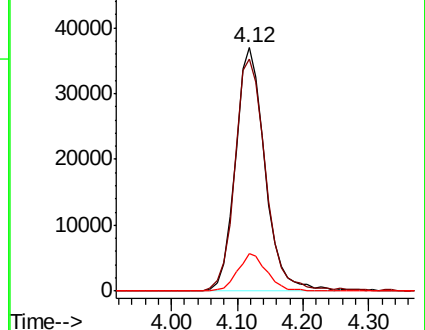
192 15.2 12.3 18.5

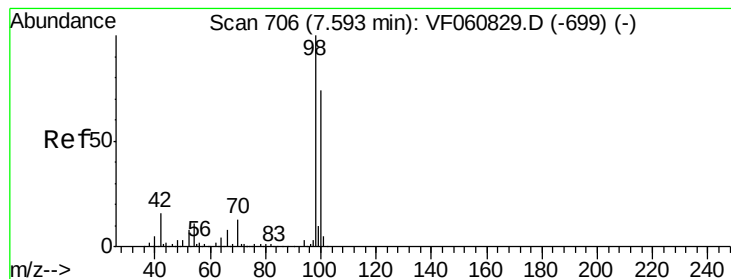


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 38.067 ug/l

RT: 7.56 min Scan# 703

Delta R.T. -0.03 min

Lab File: VF060986.D

Acq: 11 Dec 2018 19:53

Instrument :

MSVOA_F

ClientSampleId :

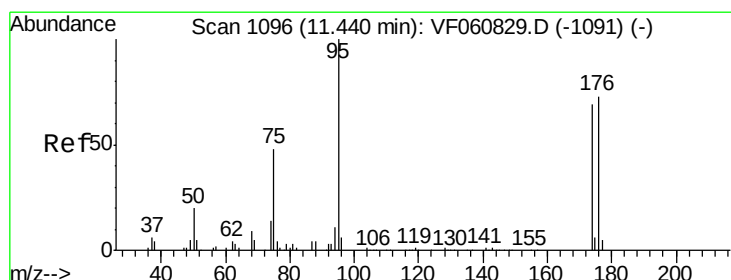
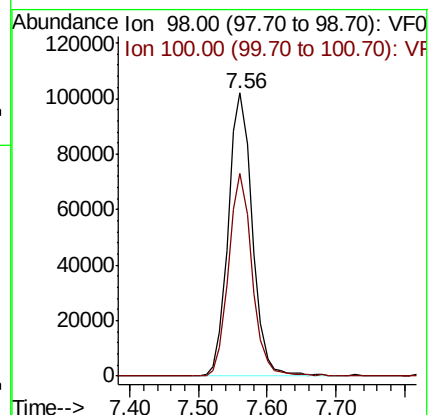
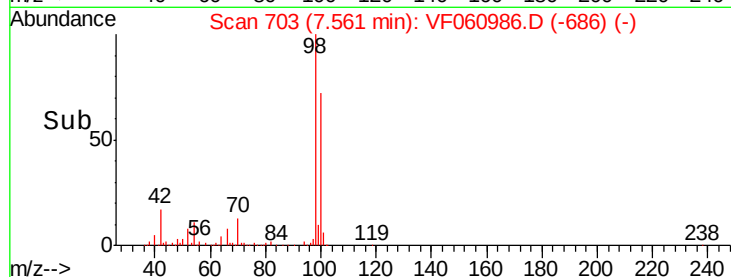
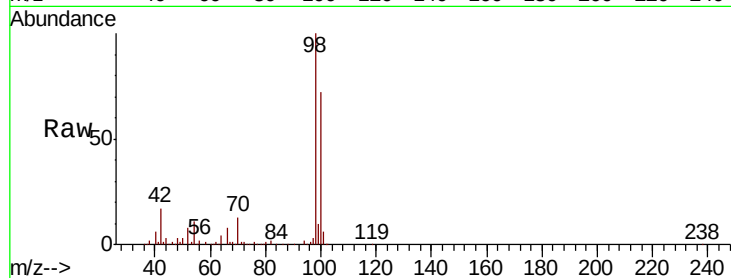
SB-6-(0-2)

Tot Ion: 98 Resp: 247971

Ion Ratio Lower Upper

98 100

100 71.8 59.3 88.9



#62

4-Bromofluorobenzene

Concen: 36.778 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. -0.02 min

Lab File: VF060986.D

Acq: 11 Dec 2018 19:53

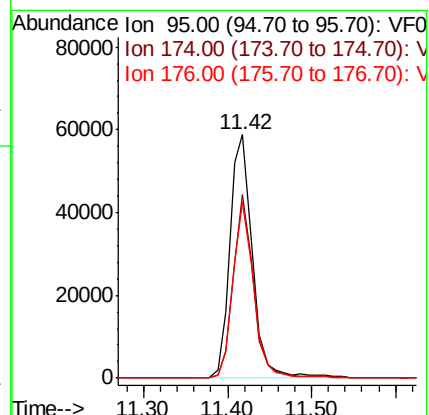
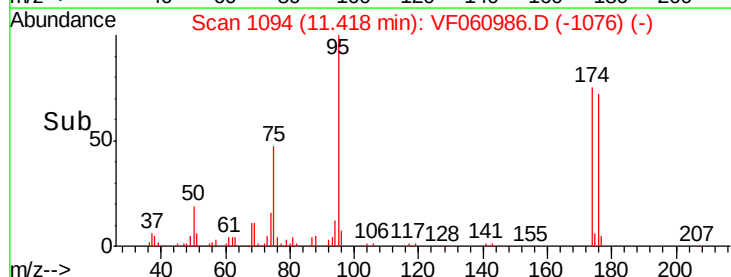
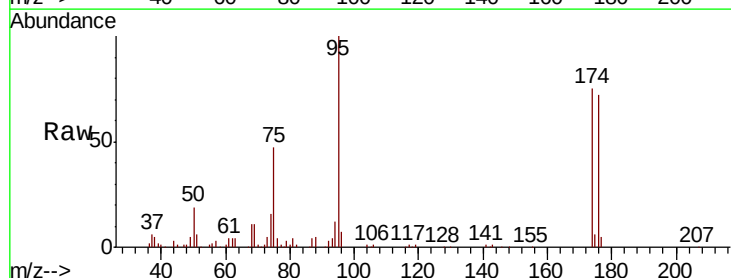
Tgt Ion: 95 Resp: 108883

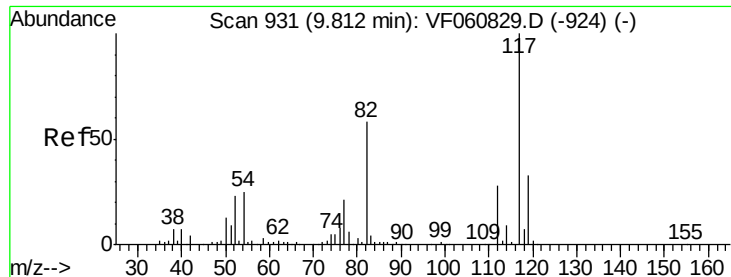
Ion Ratio Lower Upper

95 100

174 75.3 0.0 138.2

176 72.1 0.0 146.2

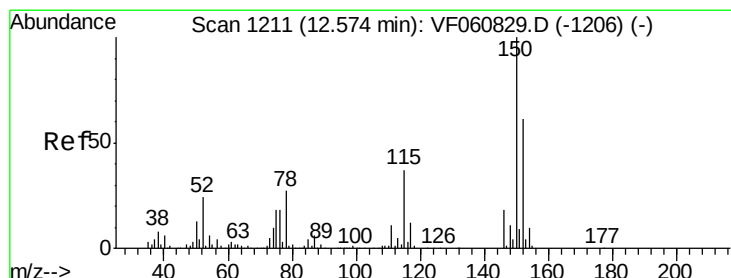
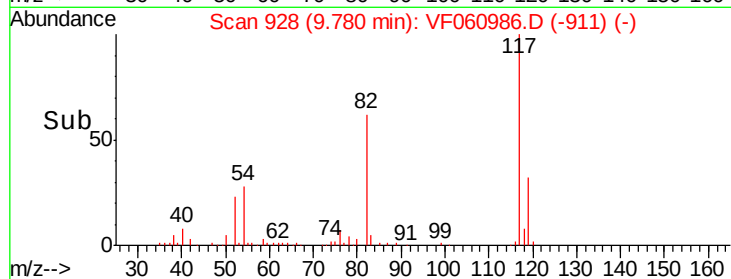
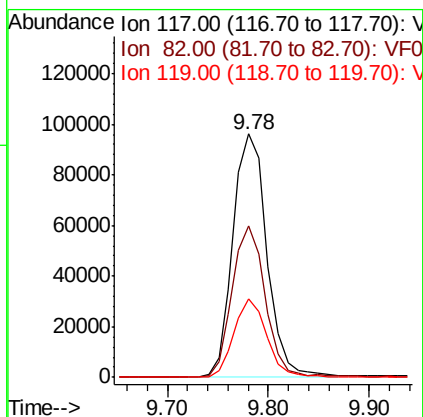
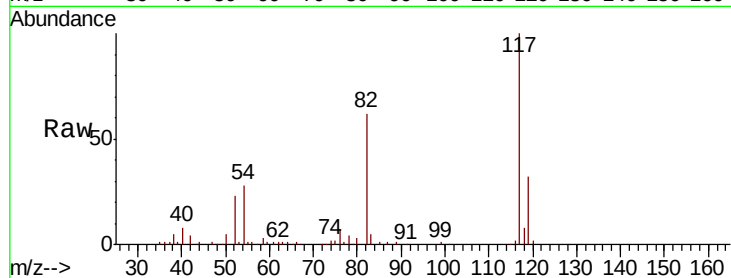




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.03 min
Lab File: VF060986.D
Acq: 11 Dec 2018 19:53

Instrument :
MSVOA_F
ClientSampleId :
SB-6-(0-2)

Tot Ion:117 Resp: 225842
Ion Ratio Lower Upper
117 100
82 62.5 46.6 69.8
119 32.1 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.02 min
Lab File: VF060986.D
Acq: 11 Dec 2018 19:53

Tgt Ion:152 Resp: 97204
Ion Ratio Lower Upper
152 100
115 63.4 30.1 90.5
150 153.5 0.0 327.6

