

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082318\
 Data File : VF060090.D
 Acq On : 24 Aug 2018 10:05
 Operator : VA/AP
 Sample : J4581-20
 Misc : 5.35g/5mL/MSVOA F/SOIL
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q3-D4

Quant Time: Aug 24 10:34:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

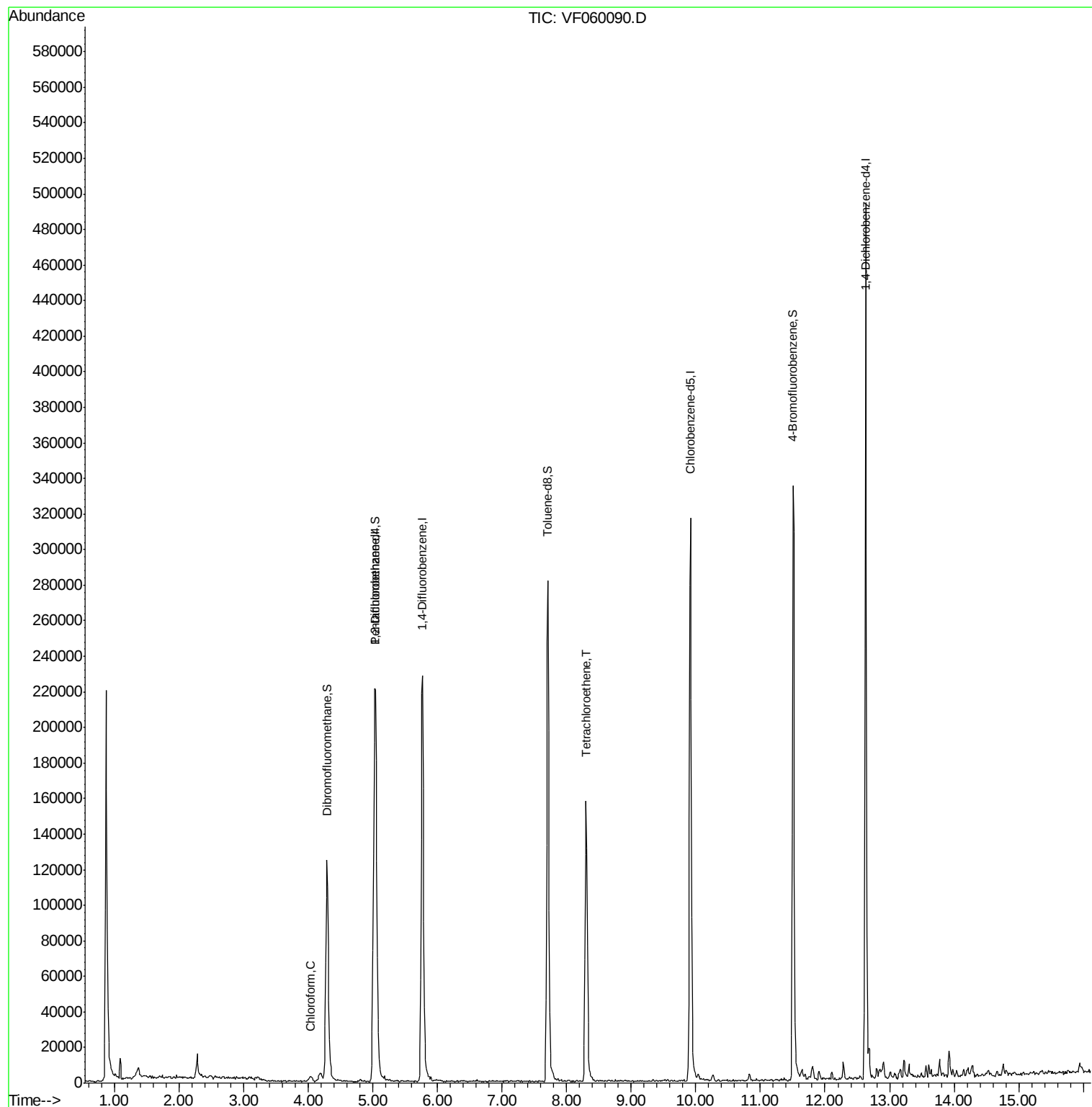
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	141460	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	235554	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	219515	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	116032	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	127603	65.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	131.82%	
35) Dibromofluoromethane	4.29	113	110184	59.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.14%	
50) Toluene-d8	7.71	98	227732	43.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.70%	
62) 4-Bromofluorobenzene	11.51	95	122850	44.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.42%	
Target Compounds						
30) Chloroform	4.04	83	3743	1.21	ug/l	# 82
64) Tetrachloroethene	8.30	164	45361	30.68	ug/l	96

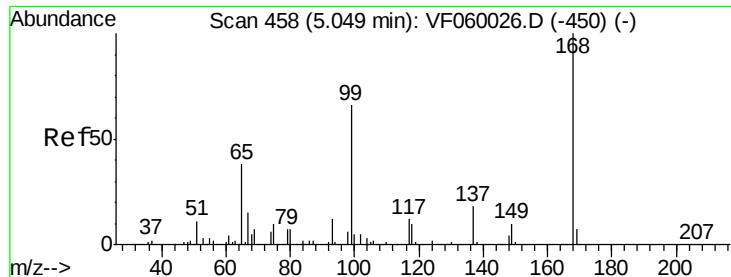
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 22 04:43:43 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF060090.D

Acq: 24 Aug 2018 10:05

Instrument :

MSVOA_F

ClientSampleId :

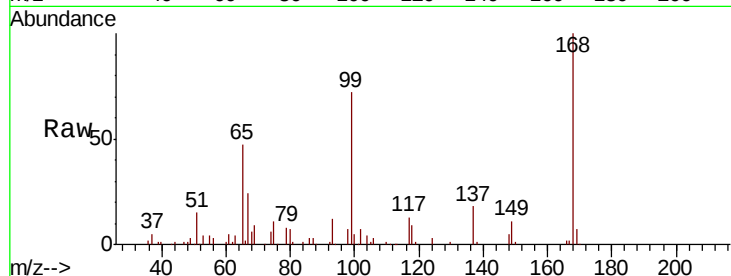
EP1-Q3-D4

Tot Ion:168 Resp: 141460

Ion Ratio Lower Upper

168 100

99 71.5 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

40000

30000

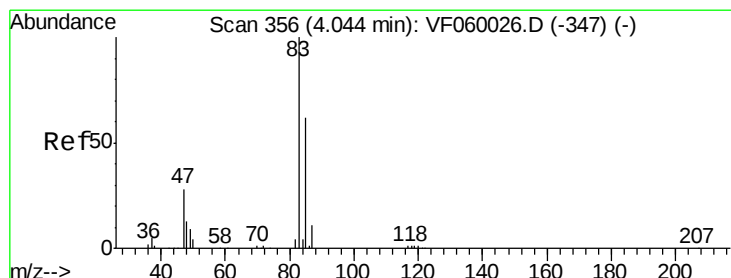
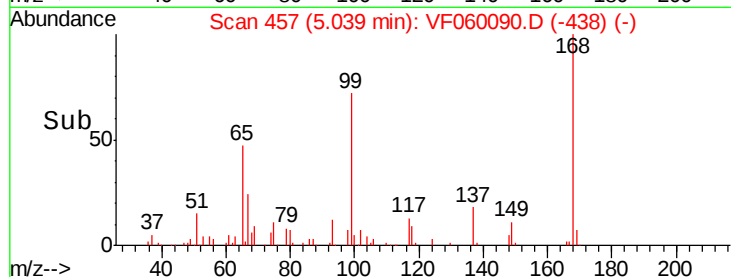
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#30

Chloroform

Concen: 1.21 ug/l

RT: 4.04 min Scan# 356

Delta R.T. -0.00 min

Lab File: VF060090.D

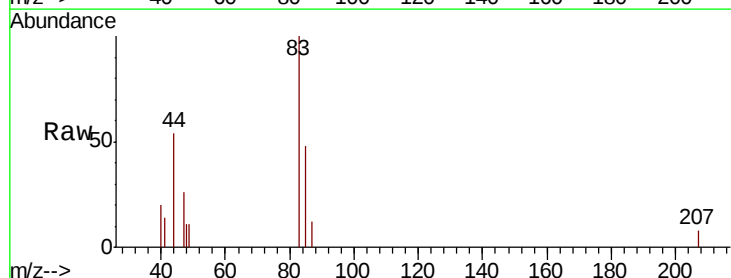
Acq: 24 Aug 2018 10:05

Tgt Ion: 83 Resp: 3743

Ion Ratio Lower Upper

83 100

85 48.3 49.5 74.3#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

1500

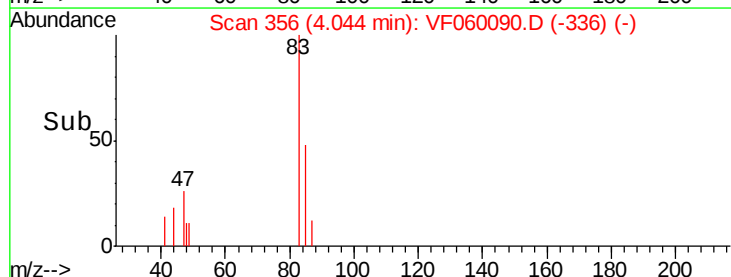
1000

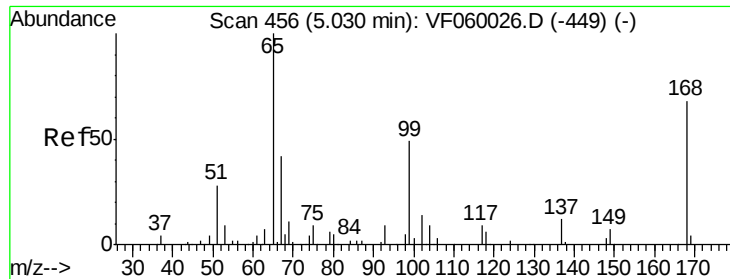
500

0

3.95 4.00 4.05 4.10

Time-->





#33

1,2-Dichloroethane-d4

Concen: 65.91 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF060090.D

Acq: 24 Aug 2018 10:05

Instrument :

MSVOA_F

ClientSampled :

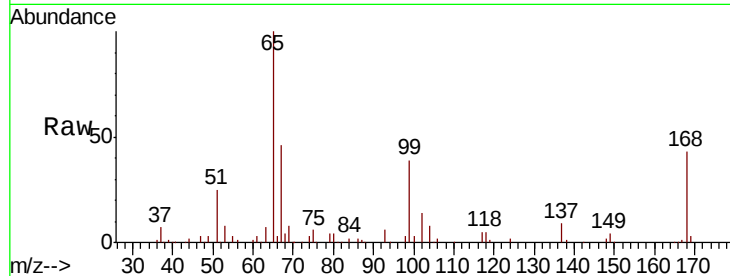
EP1-Q3-D4

Tot Ion: 65 Resp: 127603

Ion Ratio Lower Upper

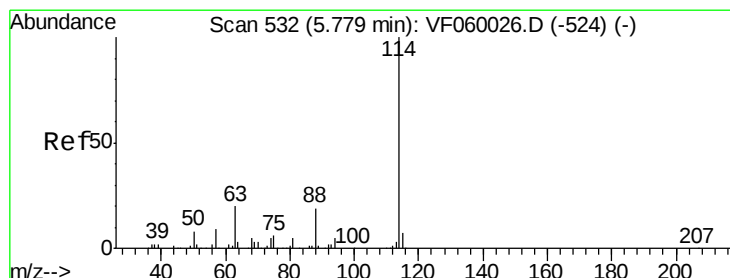
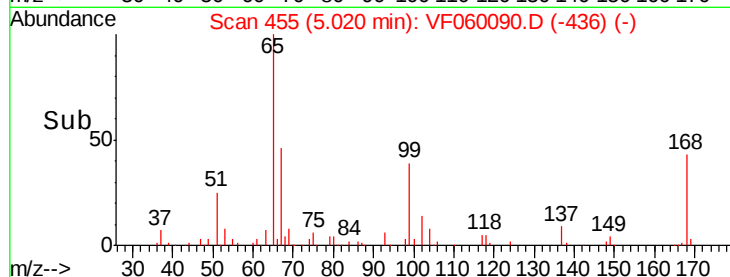
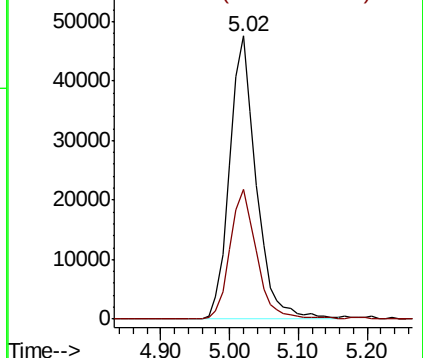
65 100

67 45.8 0.0 92.0



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# 531

Delta R.T. -0.01 min

Lab File: VF060090.D

Acq: 24 Aug 2018 10:05

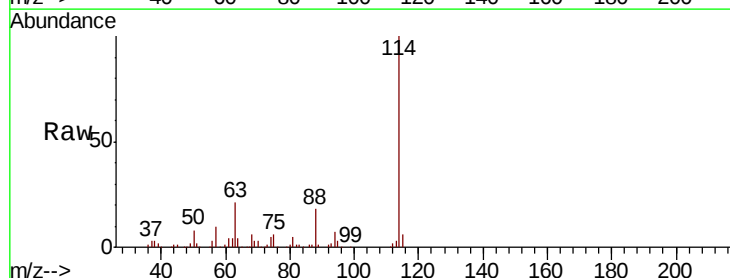
Tgt Ion: 114 Resp: 235554

Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.4

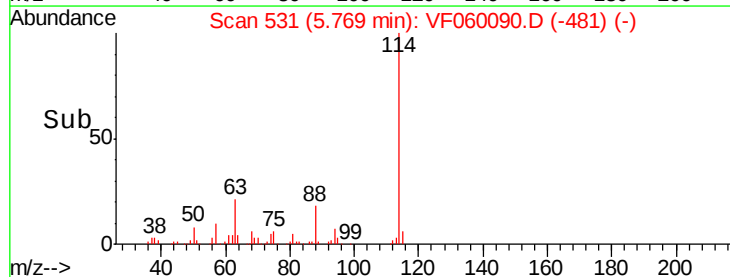
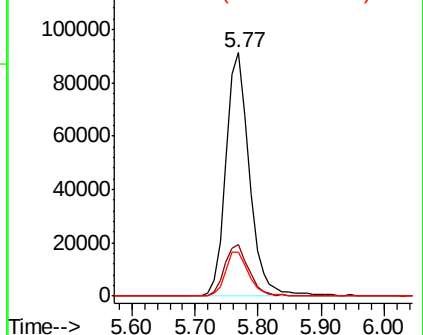
88 18.2 0.0 38.6

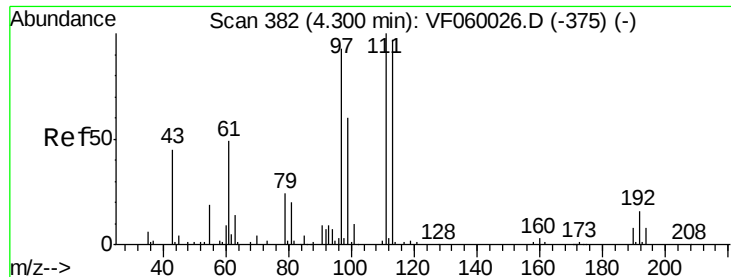


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 59.57 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF060090.D

Acq: 24 Aug 2018 10:05

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q3-D4

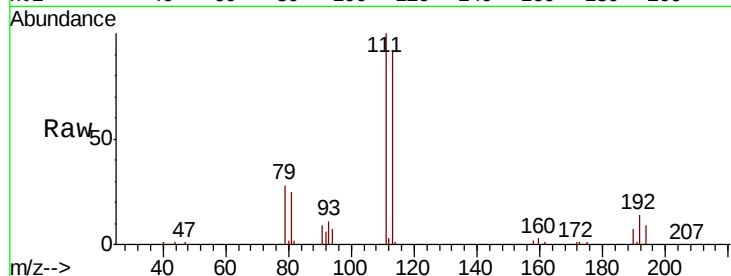
Tot Ion:113 Resp: 110184

Ion Ratio Lower Upper

113 100

111 108.3 82.7 124.1

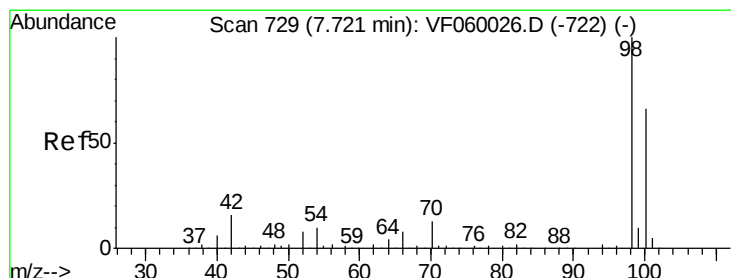
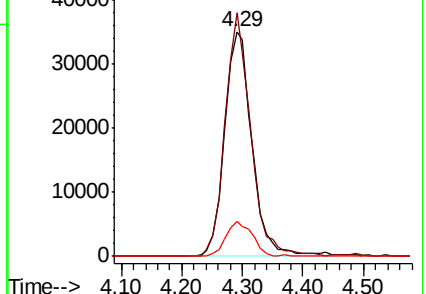
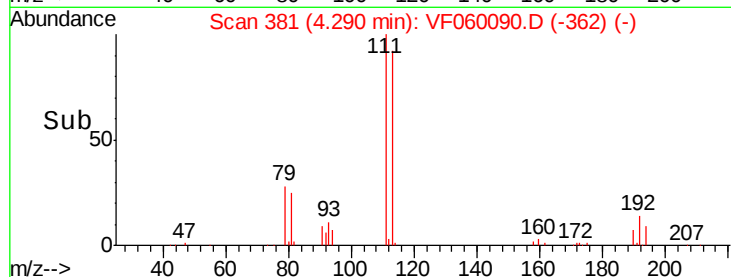
192 15.6 13.0 19.4



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: 43.35 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.01 min

Lab File: VF060090.D

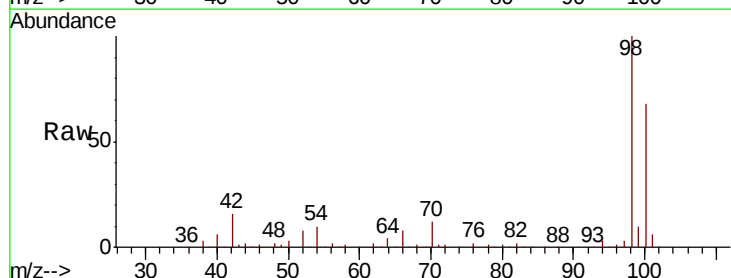
Acq: 24 Aug 2018 10:05

Tgt Ion: 98 Resp: 227732

Ion Ratio Lower Upper

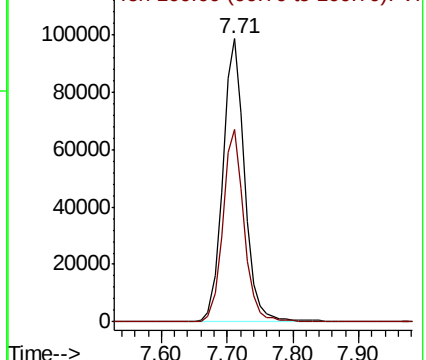
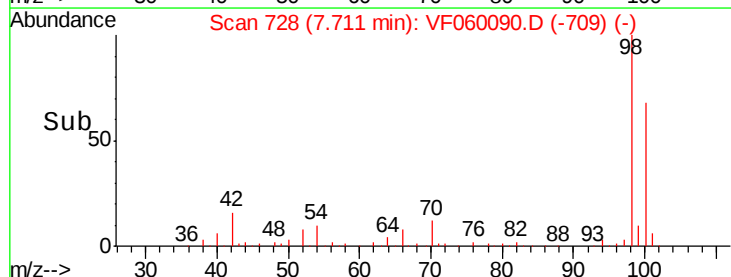
98 100

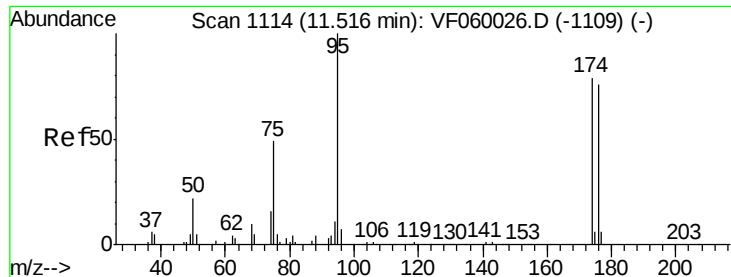
100 68.1 53.2 79.8



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF





#62

4-Bromofluorobenzene

Concen: 44.21 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF060090.D

Acq: 24 Aug 2018 10:05

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q3-D4

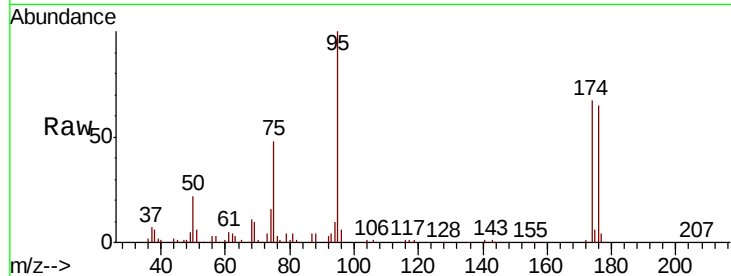
Tot Ion: 95 Resp: 122850

Ion Ratio Lower Upper

95 100

174 67.4 0.0 158.4

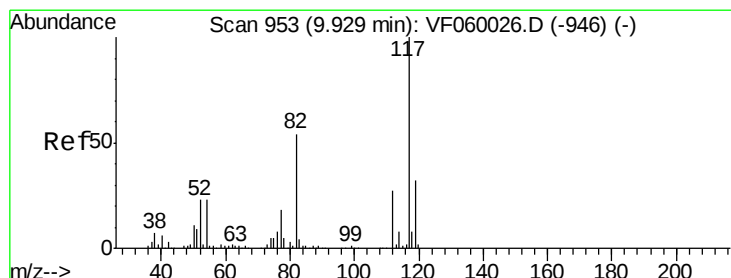
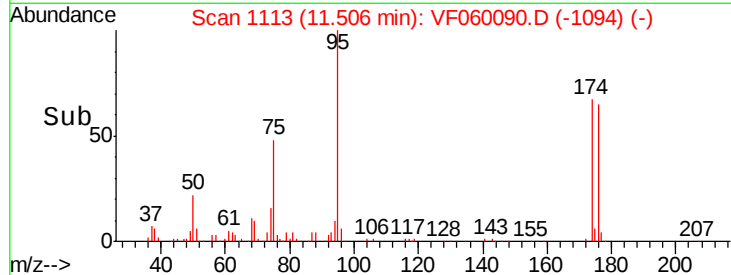
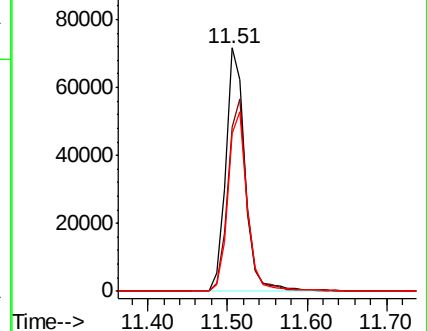
176 64.9 0.0 153.0



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.92 min Scan# 952

Delta R.T. -0.01 min

Lab File: VF060090.D

Acq: 24 Aug 2018 10:05

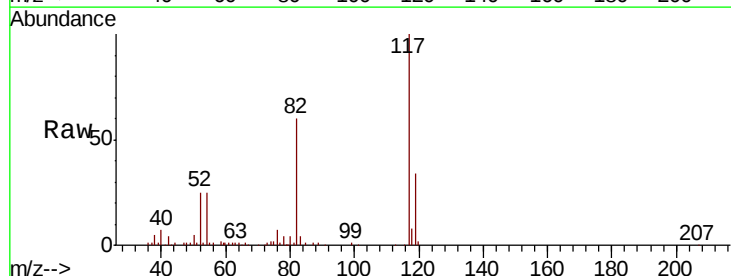
Tgt Ion: 117 Resp: 219515

Ion Ratio Lower Upper

117 100

82 60.0 43.6 65.4

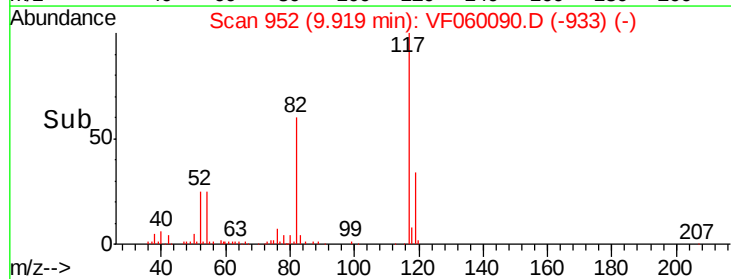
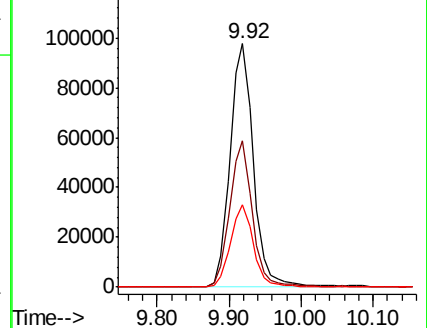
119 33.8 25.6 38.4

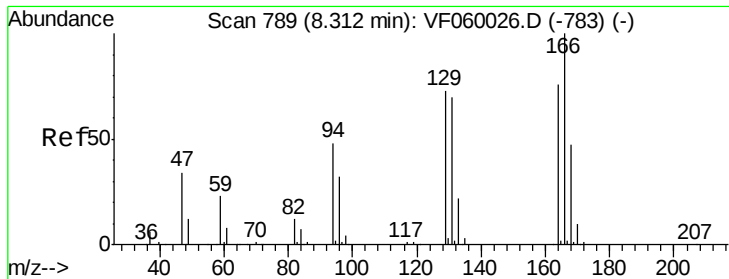


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#64

Tetrachloroethene

Concen: 30.68 ug/l

RT: 8.30 min Scan# 788

Delta R.T. -0.01 min

Lab File: VF060090.D

Acq: 24 Aug 2018 10:05

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q3-D4

Tot Ion:164 Resp: 45361

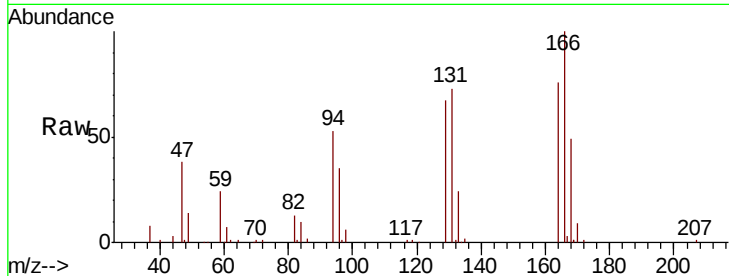
Ion Ratio Lower Upper

164 100

166 131.4 104.7 157.1

129 87.6 77.0 115.4

131 95.5 72.9 109.3



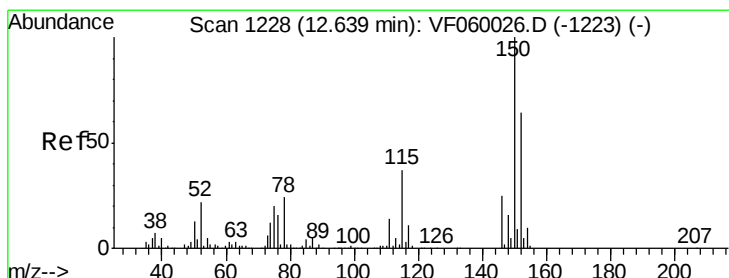
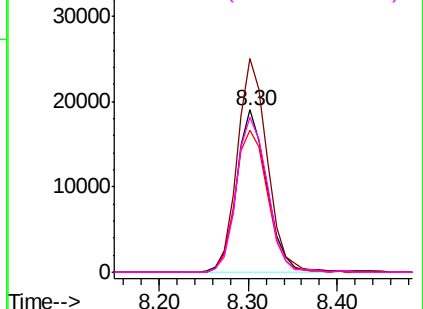
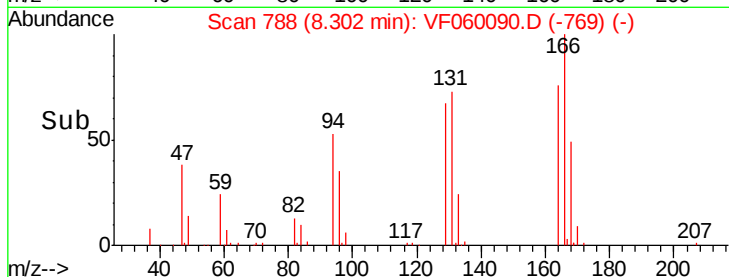
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF060090.D

Acq: 24 Aug 2018 10:05

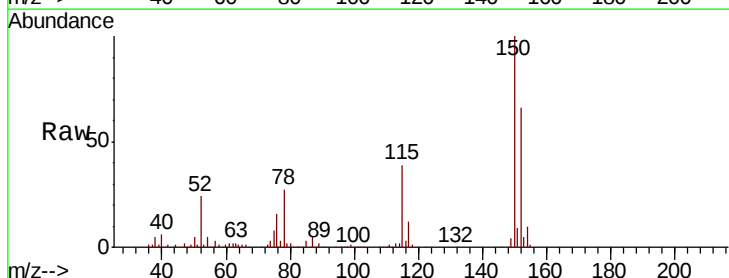
Tgt Ion:152 Resp: 116032

Ion Ratio Lower Upper

152 100

115 59.0 28.6 85.9

150 150.7 0.0 312.0



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

