

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082418\
 Data File : VF060102.D
 Acq On : 24 Aug 2018 16:16
 Operator : VA/AP
 Sample : J4581-19
 Misc : 5.53g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q3-D3

Quant Time: Aug 25 04:49:44 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

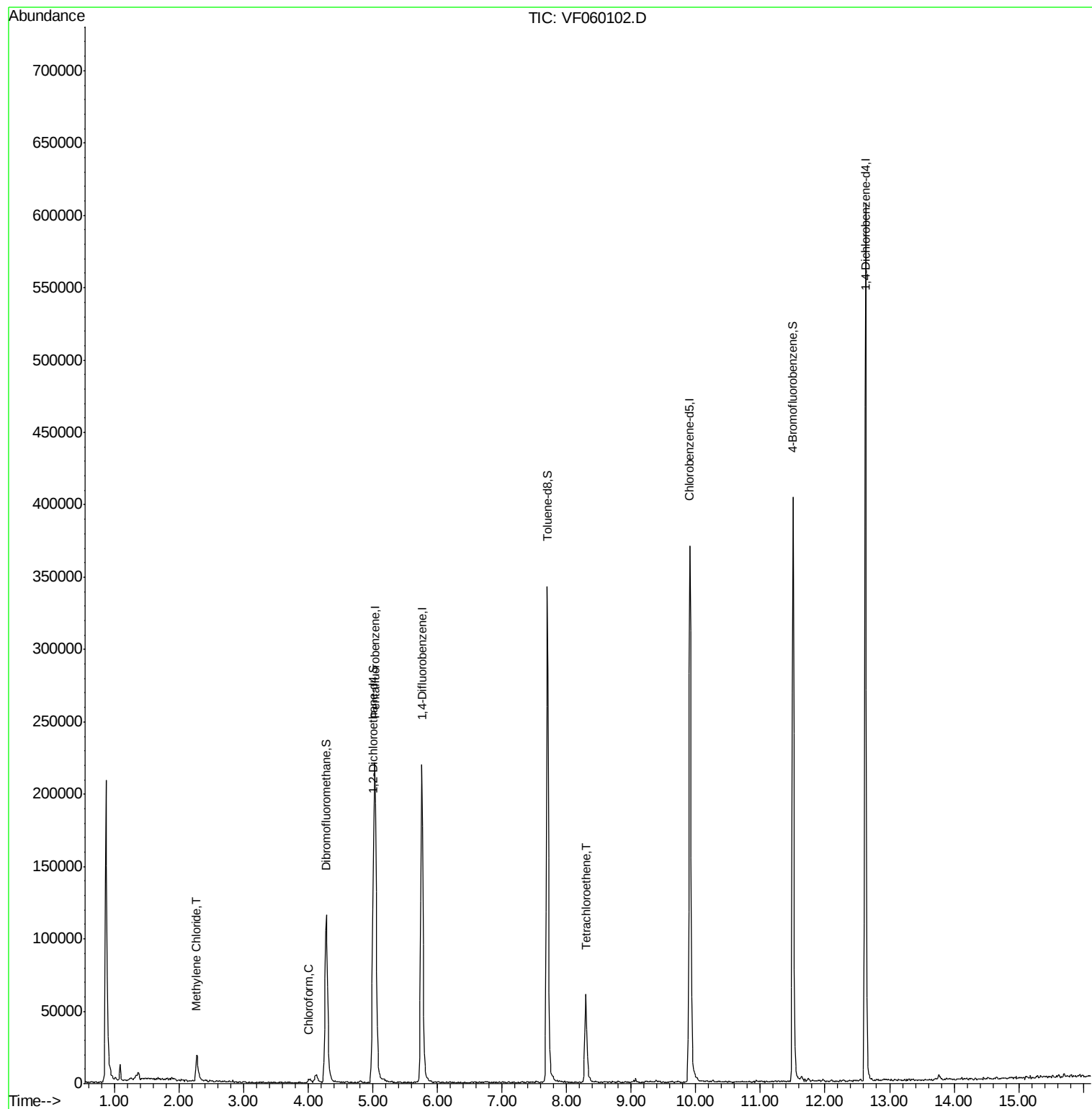
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	160739	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	233378	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	261437	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	146748	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	106642	48.48	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	96.96%	
35) Dibromofluoromethane	4.28	113	106776	58.26	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	116.52%	
50) Toluene-d8	7.70	98	271595	52.18	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	104.36%	
62) 4-Bromofluorobenzene	11.51	95	134715	48.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.86%	
Target Compounds						
20) Methylene Chloride	2.28	84	9965	4.04	ug/l	# 69
30) Chloroform	4.01	83	3706	1.05	ug/l	92
64) Tetrachloroethene	8.30	164	17748	10.08	ug/l	92

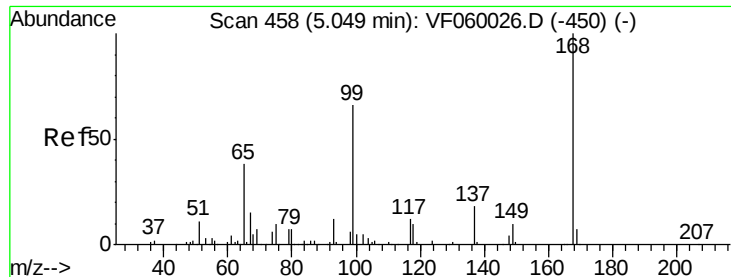
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.03 min Scan# 456

Delta R.T. -0.02 min

Lab File: VF060102.D

Acq: 24 Aug 2018 16:16

Instrument :

MSVOA_F

ClientSampleId :

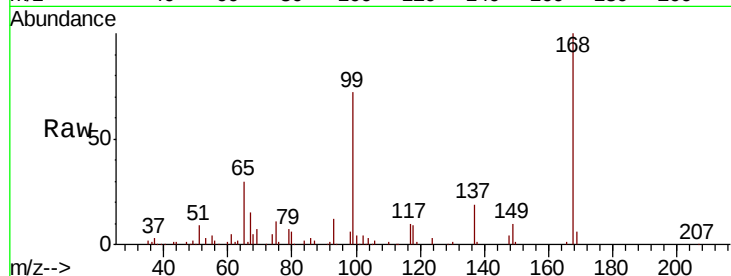
EP1-Q3-D3

Tot Ion:168 Resp: 160739

Ion Ratio Lower Upper

168 100

99 71.9 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

60000

50000

40000

30000

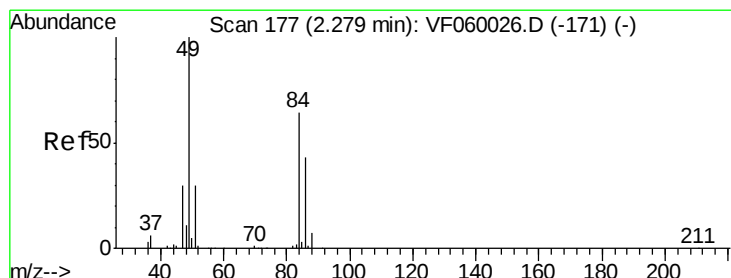
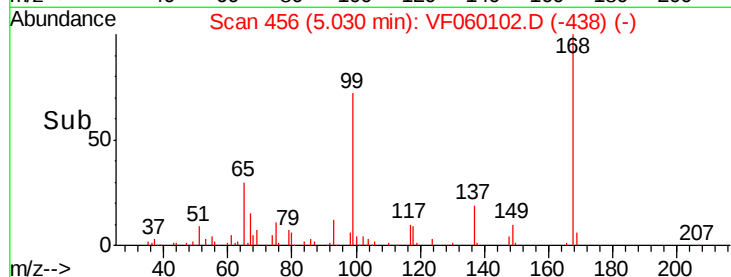
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#20

Methylene Chloride

Concen: 4.04 ug/l

RT: 2.28 min Scan# 177

Delta R.T. 0.00 min

Lab File: VF060102.D

Acq: 24 Aug 2018 16:16

Tgt Ion: 84 Resp: 9965

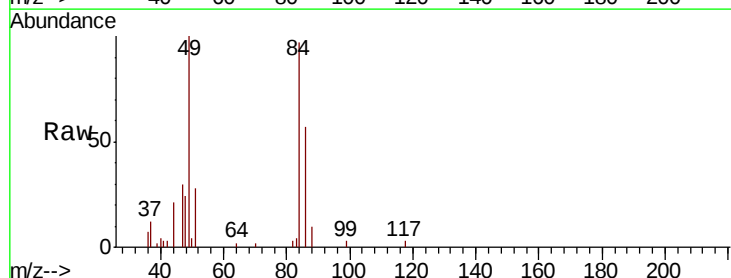
Ion Ratio Lower Upper

84 100

49 102.9 125.4 188.0#

51 28.9 38.3 57.5#

86 58.6 53.3 79.9



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

8000

6000

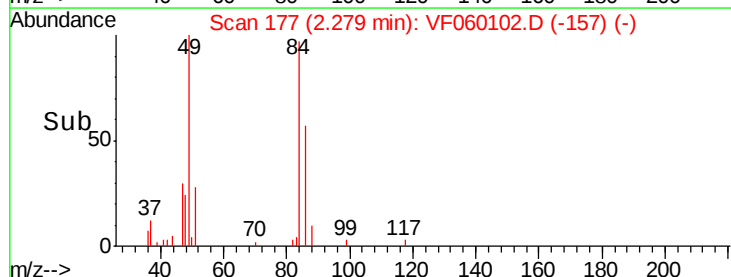
4000

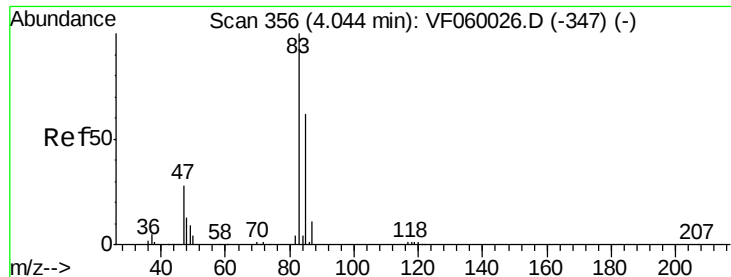
2000

0

Time-->

2.20 2.30 2.40

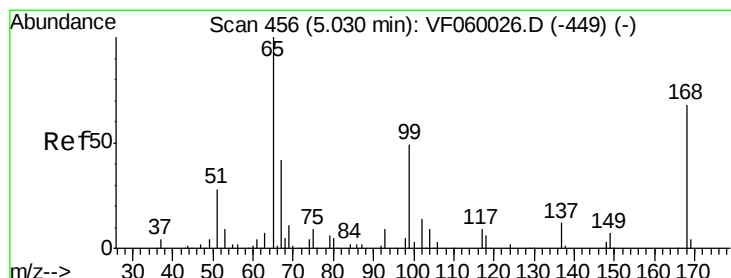
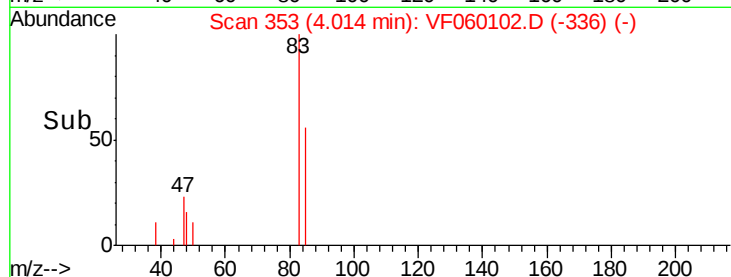
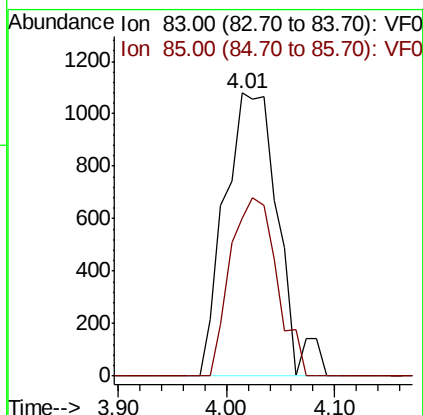
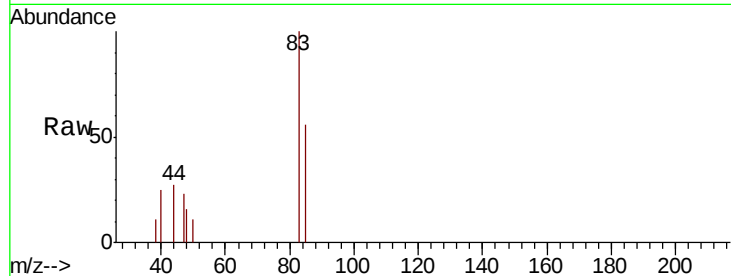




#30
 Chloroform
 Concen: 1.05 ug/l
 RT: 4.01 min Scan# 353
 Delta R.T. -0.03 min
 Lab File: VF060102.D
 Acq: 24 Aug 2018 16:16

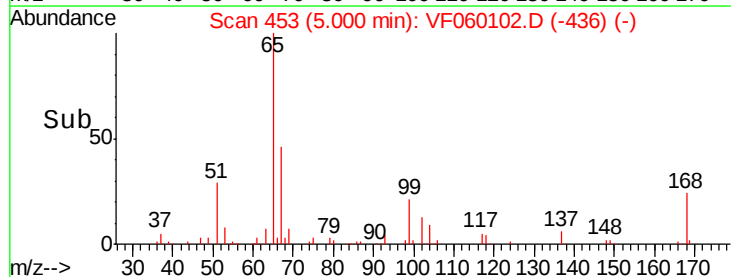
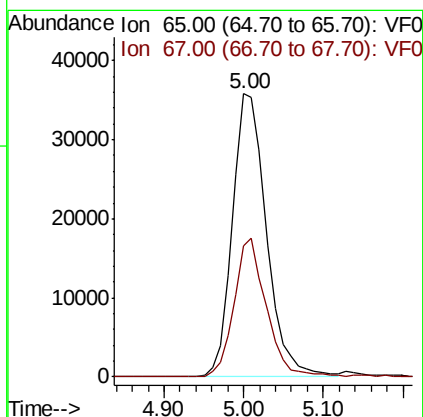
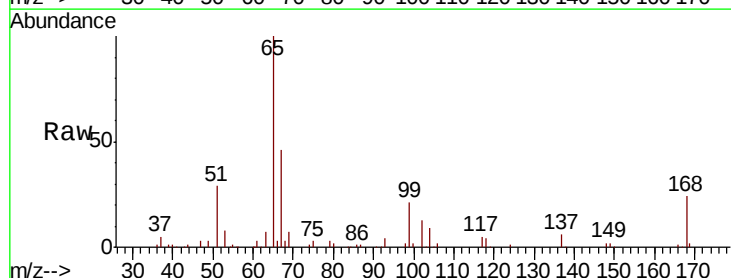
Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q3-D3

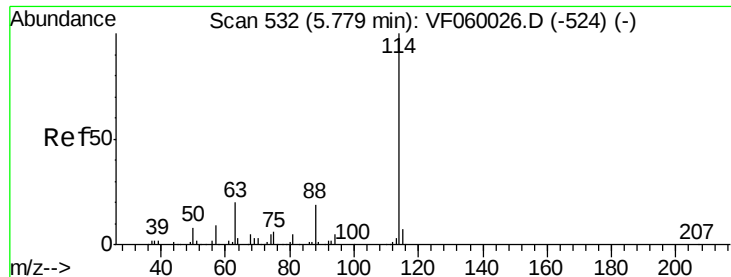
Tot Ion: 83 Resp: 3706
 Ion Ratio Lower Upper
 83 100
 85 56.0 49.5 74.3



#33
 1,2-Dichloroethane-d4
 Concen: 48.48 ug/l
 RT: 5.00 min Scan# 453
 Delta R.T. -0.03 min
 Lab File: VF060102.D
 Acq: 24 Aug 2018 16:16

Tgt Ion: 65 Resp: 106642
 Ion Ratio Lower Upper
 65 100
 67 46.2 0.0 92.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.02 min

Lab File: VF060102.D

Acq: 24 Aug 2018 16:16

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q3-D3

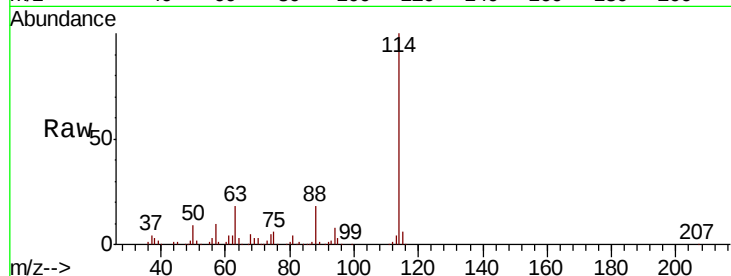
Tot Ion:114 Resp: 233378

Ion Ratio Lower Upper

114 100

63 18.3 0.0 40.4

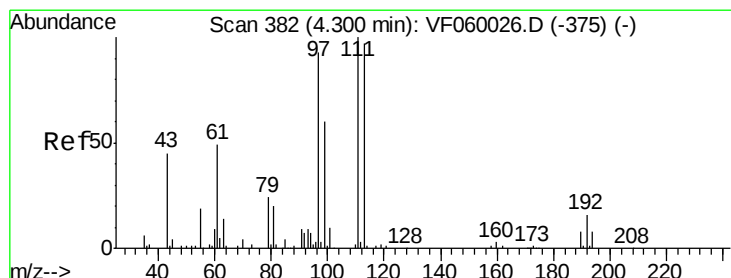
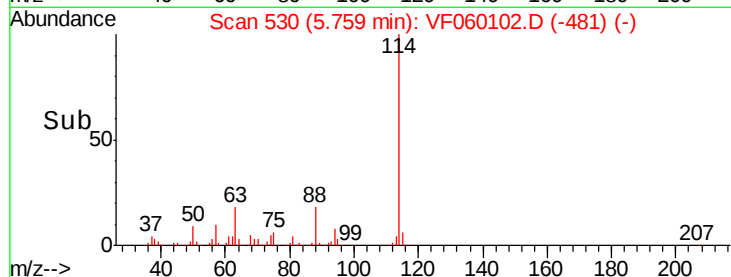
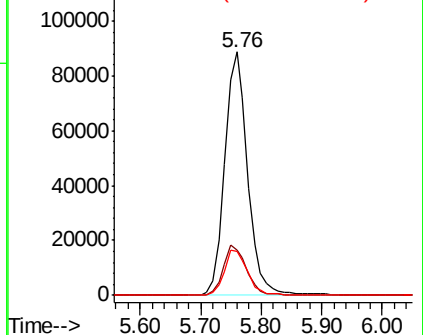
88 17.9 0.0 38.6



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: 58.26 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.02 min

Lab File: VF060102.D

Acq: 24 Aug 2018 16:16

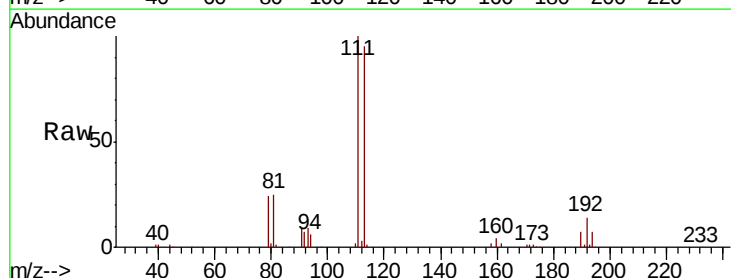
Tgt Ion:113 Resp: 106776

Ion Ratio Lower Upper

113 100

111 104.9 82.7 124.1

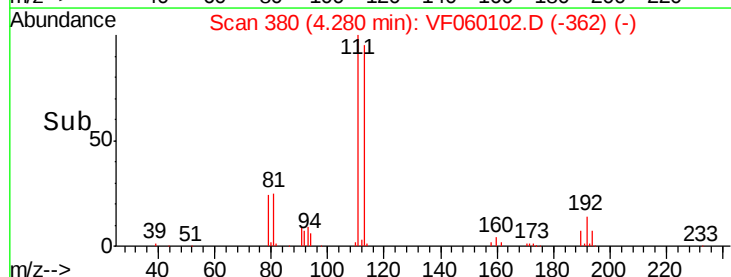
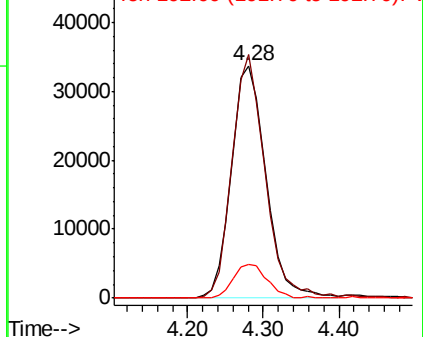
192 14.6 13.0 19.4

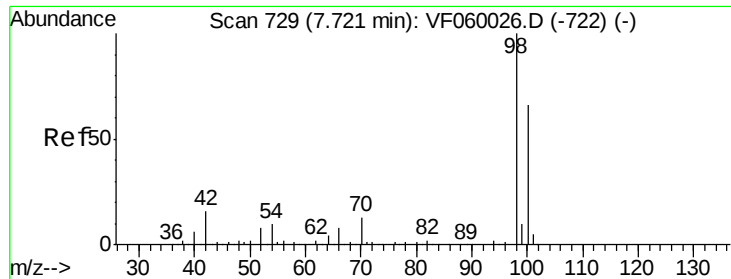


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

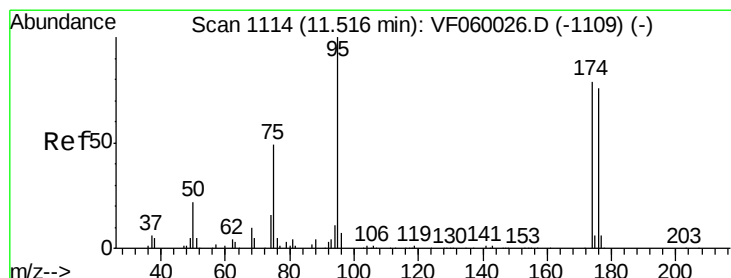
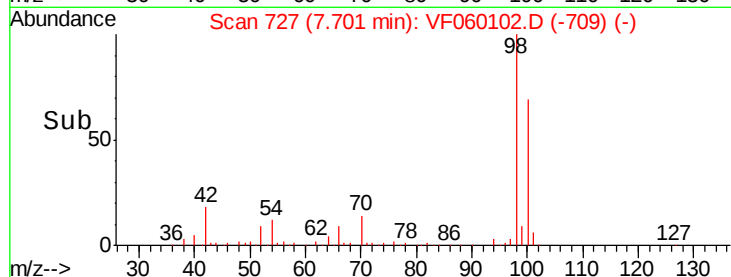
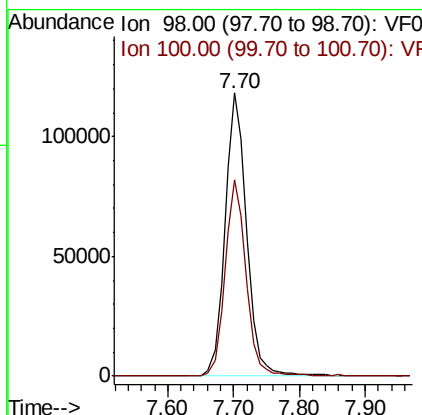
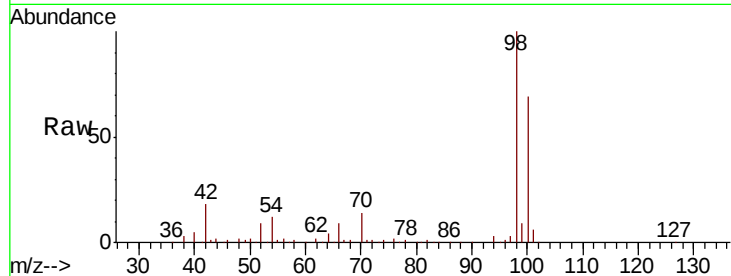




#50
Toluene-d8
Concen: 52.18 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.02 min
Lab File: VF060102.D
Acq: 24 Aug 2018 16:16

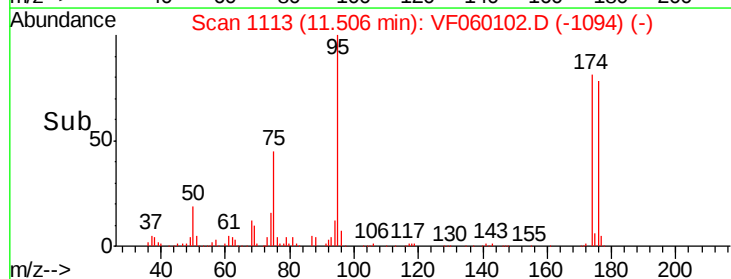
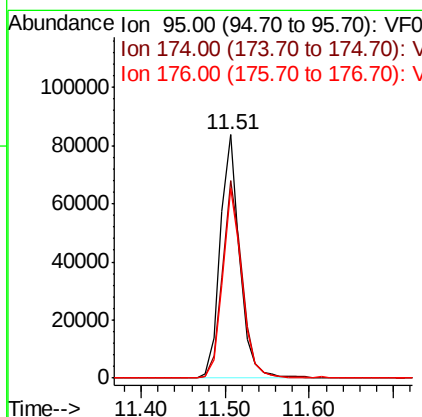
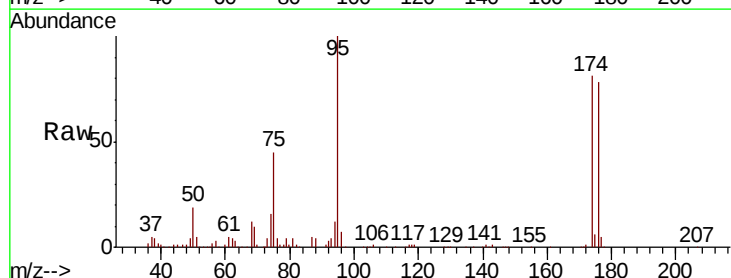
Instrument :
MSVOA_F
ClientSampleId :
EP1-Q3-D3

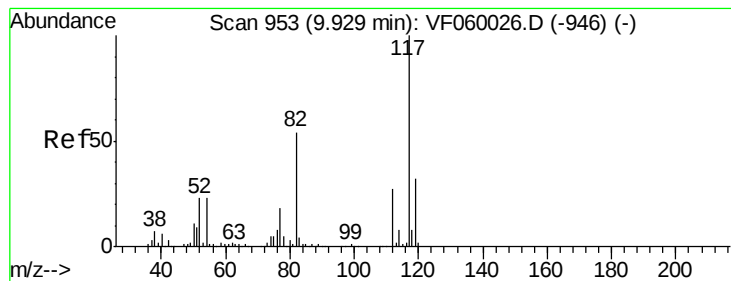
Tot Ion: 98 Resp: 271595
Ion Ratio Lower Upper
98 100
100 69.3 53.2 79.8



#62
4-Bromofluorobenzene
Concen: 48.93 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VF060102.D
Acq: 24 Aug 2018 16:16

Tgt Ion: 95 Resp: 134715
Ion Ratio Lower Upper
95 100
174 81.2 0.0 158.4
176 78.2 0.0 153.0





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.91 min Scan# 951

Delta R.T. -0.02 min

Lab File: VF060102.D

Acq: 24 Aug 2018 16:16

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q3-D3

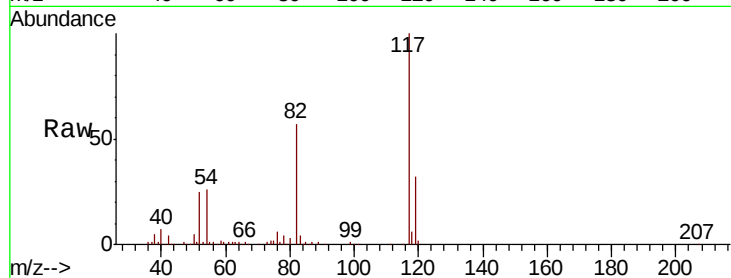
Tot Ion:117 Resp: 261437

Ion Ratio Lower Upper

117 100

82 57.2 43.6 65.4

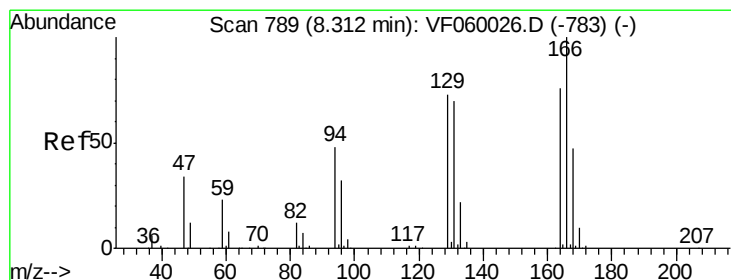
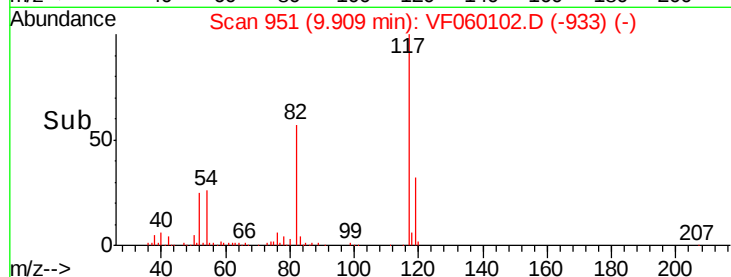
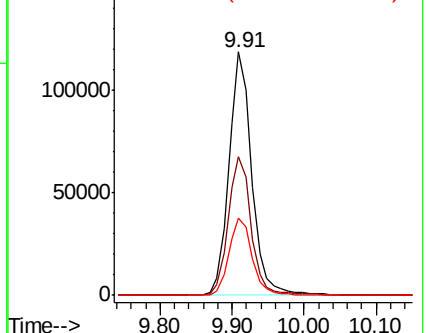
119 31.7 25.6 38.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 10.08 ug/l

RT: 8.30 min Scan# 788

Delta R.T. -0.01 min

Lab File: VF060102.D

Acq: 24 Aug 2018 16:16

Tgt Ion:164 Resp: 17748

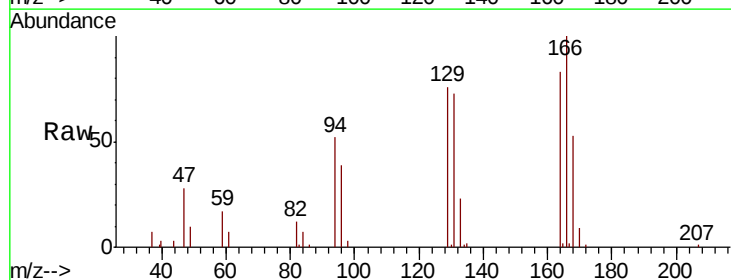
Ion Ratio Lower Upper

164 100

166 117.6 104.7 157.1

129 89.7 77.0 115.4

131 86.3 72.9 109.3

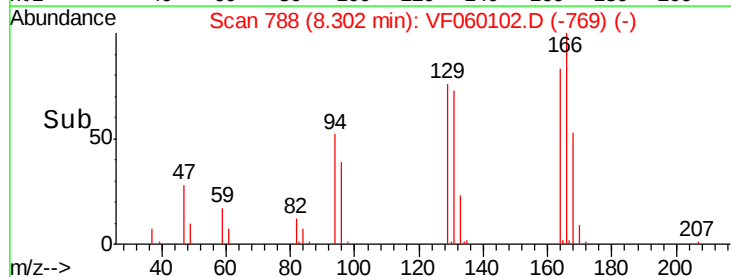
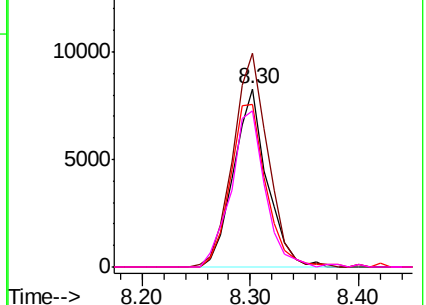


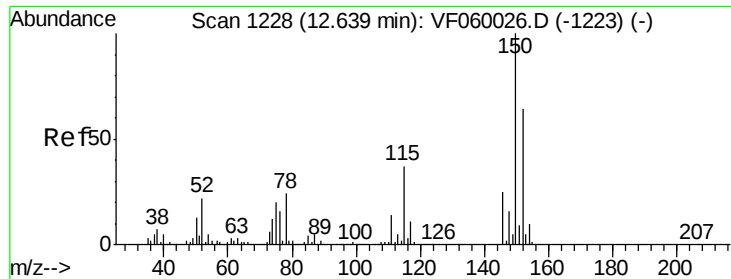
Abundance Ion 163.85 (163.55 to 164.55): V

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: VF060102.D

Acq: 24 Aug 2018 16:16

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q3-D3

Tot Ion:152 Resp: 146748

Ion Ratio Lower Upper

152 100

115 61.2 28.6 85.9

150 160.5 0.0 312.0

