

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082318\
 Data File : VF060065.D
 Acq On : 23 Aug 2018 20:48
 Operator : VA/AP
 Sample : J4581-06
 Misc : 6.15g/5mL/MSVOA F/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q3-B2

Quant Time: Aug 24 04:01:42 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	5.05	168	179708	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	292577	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.92	117	308626	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.64	152	187280	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	134069	54.51	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	109.02%	
35) Dibromofluoromethane	4.30	113	121849	53.04	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.08%	
50) Toluene-d8	7.71	98	318571	48.82	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	97.64%	
62) 4-Bromofluorobenzene	11.51	95	168656	48.86	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.72%	

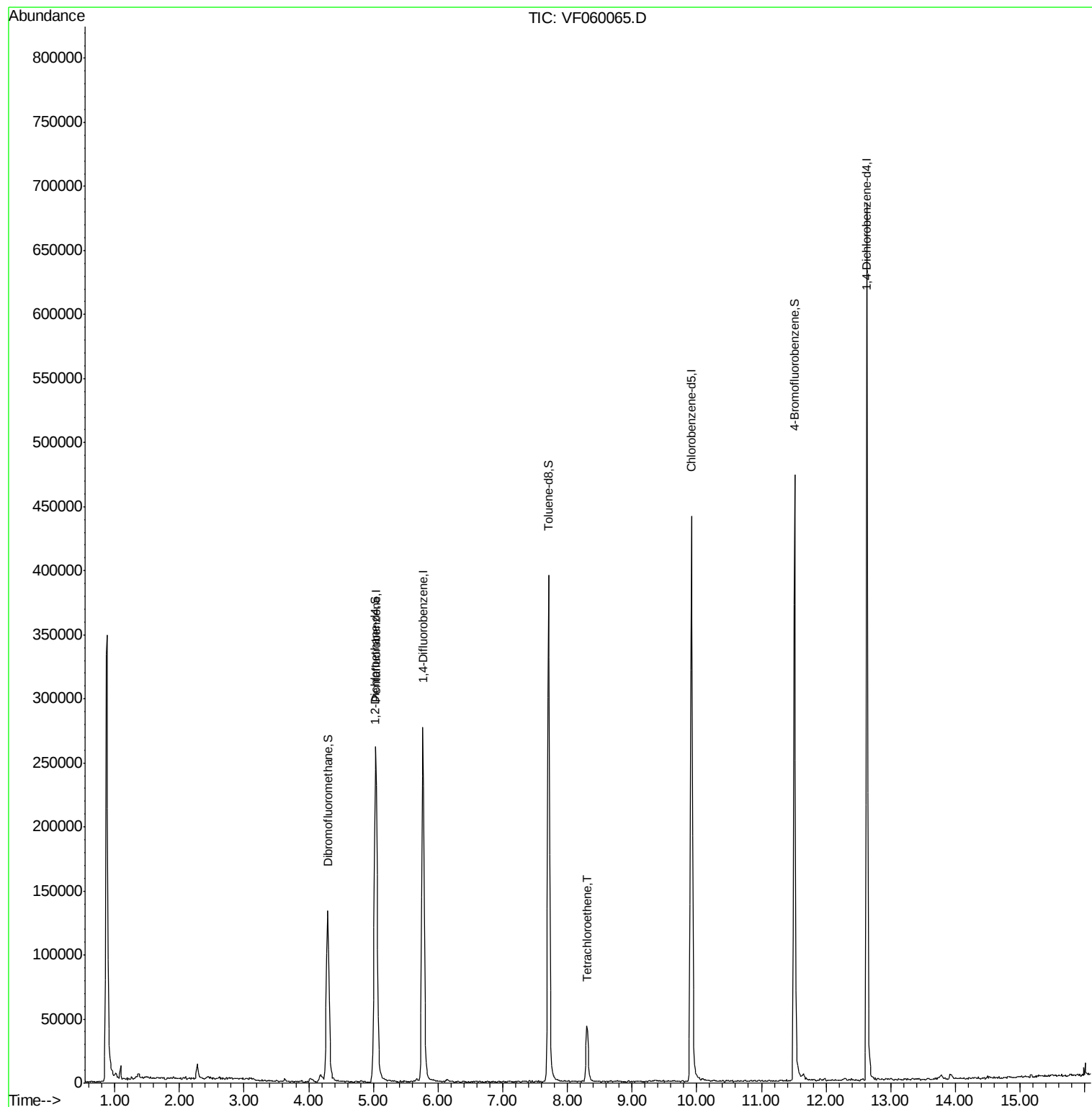
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
64) Tetrachloroethene	8.30	164	11888	5.72	ug/l	95

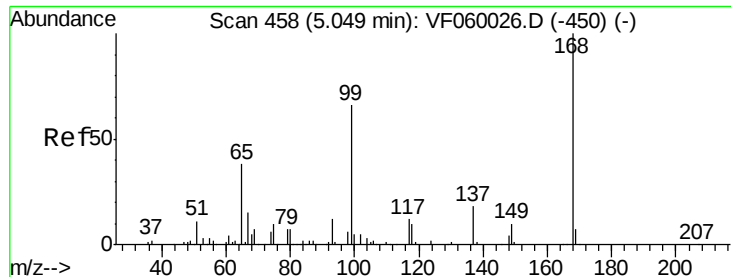
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.05 min Scan# 458

Delta R.T. -0.00 min

Lab File: VF060065.D

Acq: 23 Aug 2018 20:48

Instrument :

MSVOA_F

ClientSampleId :

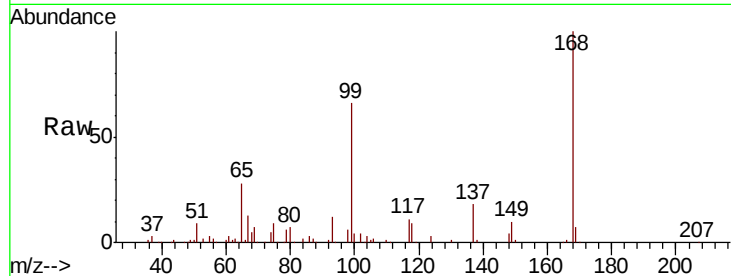
EP1-Q3-B2

Tot Ion:168 Resp: 179708

Ion Ratio Lower Upper

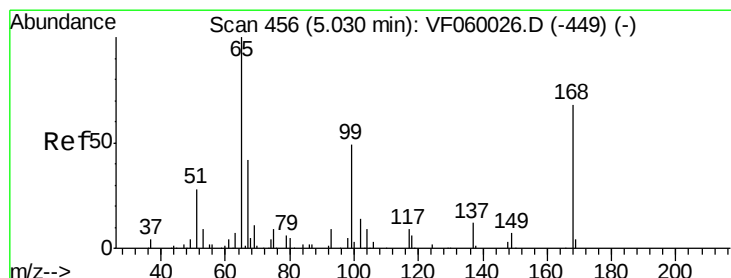
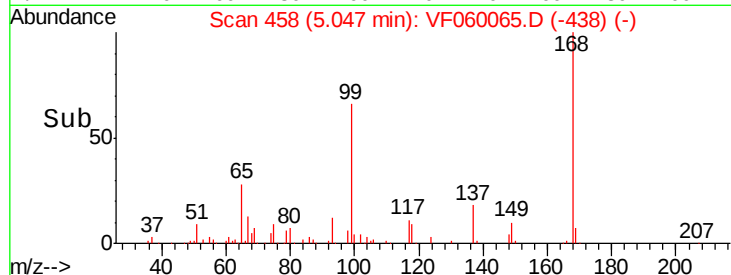
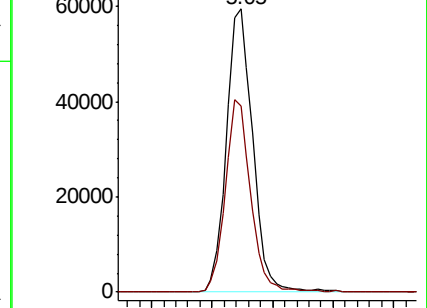
168 100

99 65.9 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 54.51 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF060065.D

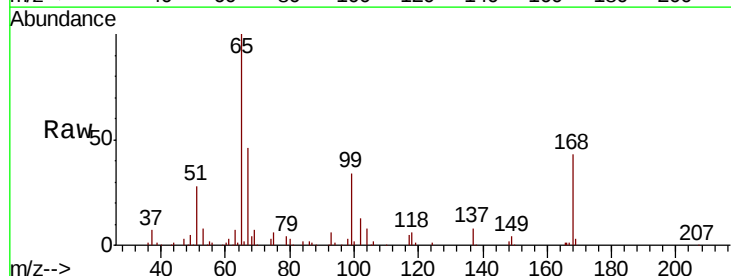
Acq: 23 Aug 2018 20:48

Tgt Ion: 65 Resp: 134069

Ion Ratio Lower Upper

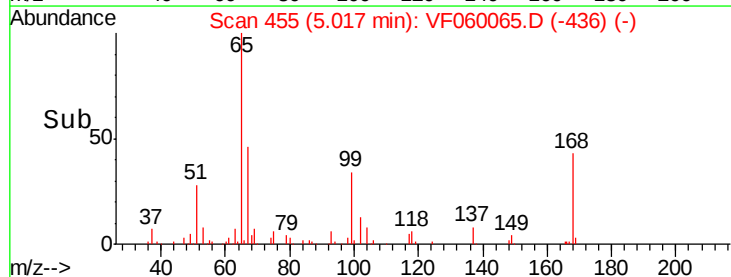
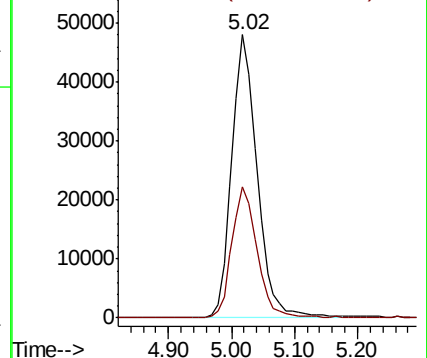
65 100

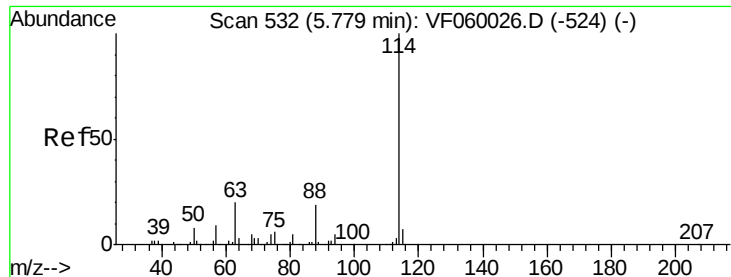
67 46.1 0.0 92.0



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: VF060065.D

Acq: 23 Aug 2018 20:48

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q3-B2

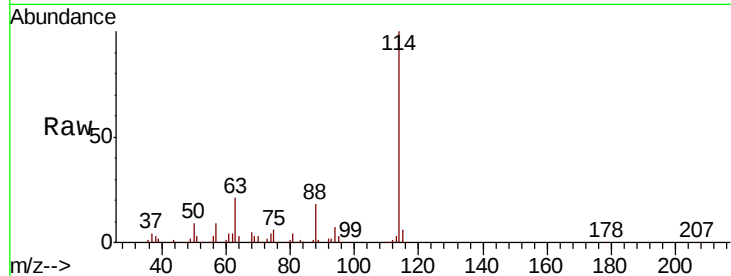
Tot Ion:114 Resp: 292577

Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.4

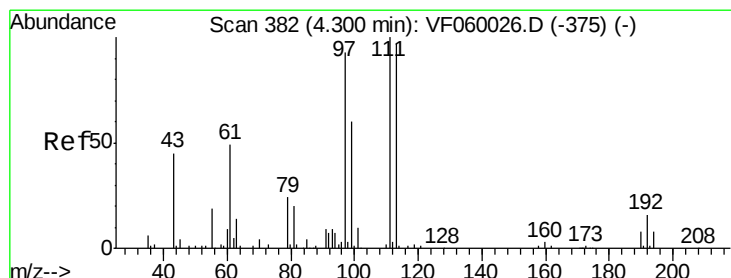
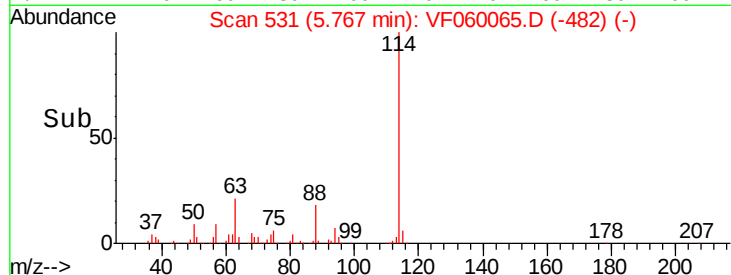
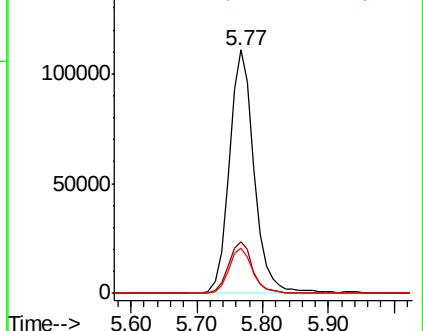
88 18.4 0.0 38.6



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: 53.04 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.00 min

Lab File: VF060065.D

Acq: 23 Aug 2018 20:48

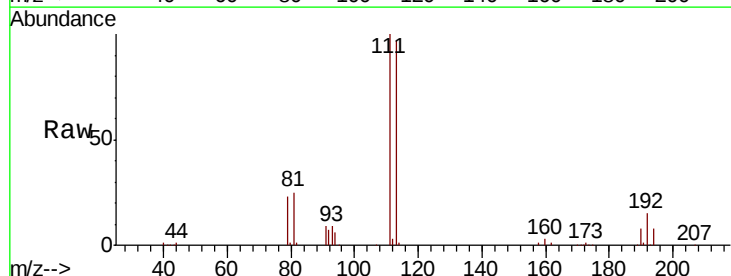
Tgt Ion:113 Resp: 121849

Ion Ratio Lower Upper

113 100

111 102.8 82.7 124.1

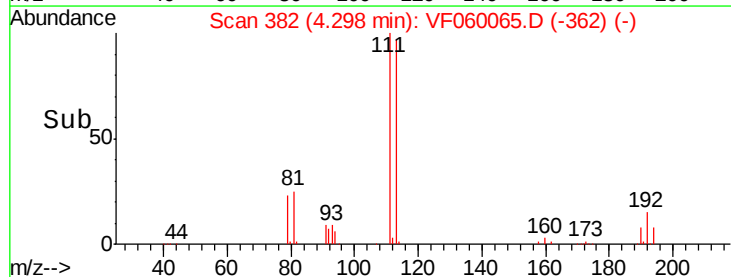
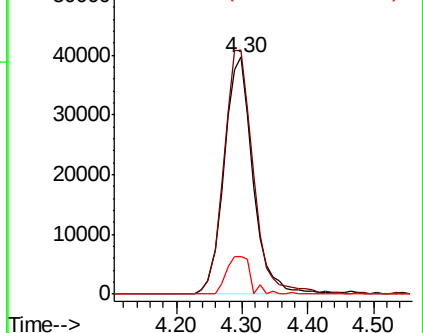
192 15.6 13.0 19.4

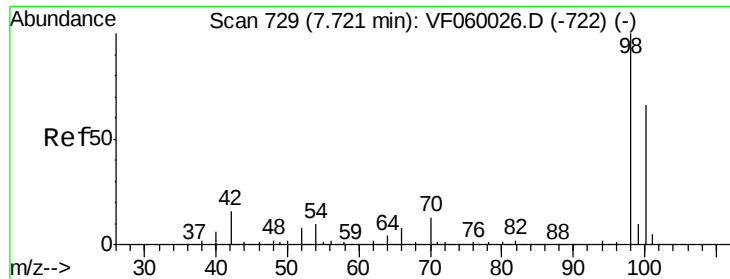


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 48.82 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.01 min

Lab File: VF060065.D

Acq: 23 Aug 2018 20:48

Instrument :

MSVOA_F

ClientSampleId :

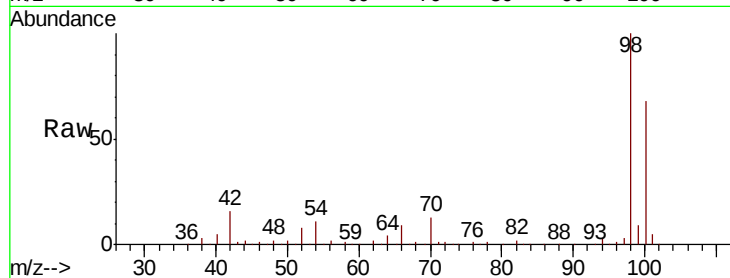
EP1-Q3-B2

Tot Ion: 98 Resp: 318571

Ion Ratio Lower Upper

98 100

100 67.6 53.2 79.8



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

7.71

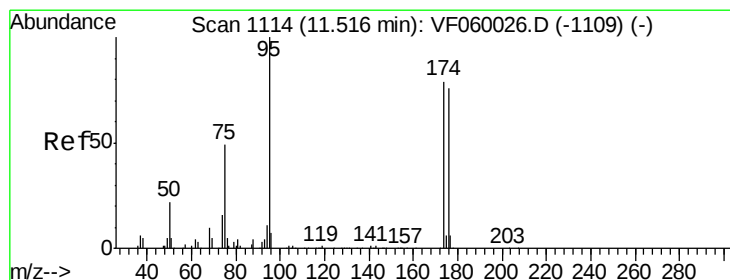
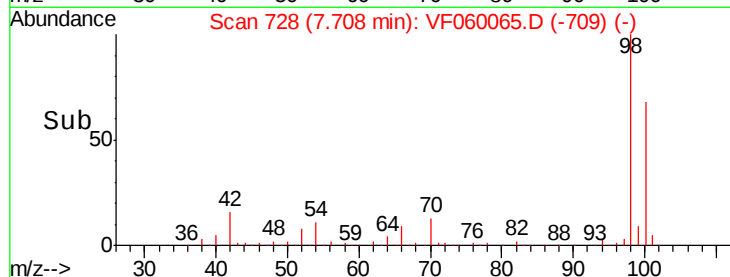
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.86 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VF060065.D

Acq: 23 Aug 2018 20:48

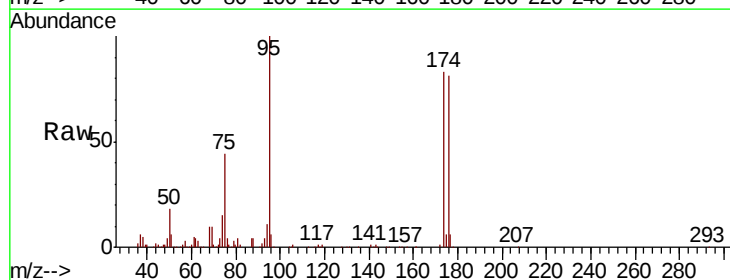
Tgt Ion: 95 Resp: 168656

Ion Ratio Lower Upper

95 100

174 82.7 0.0 158.4

176 81.0 0.0 153.0



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

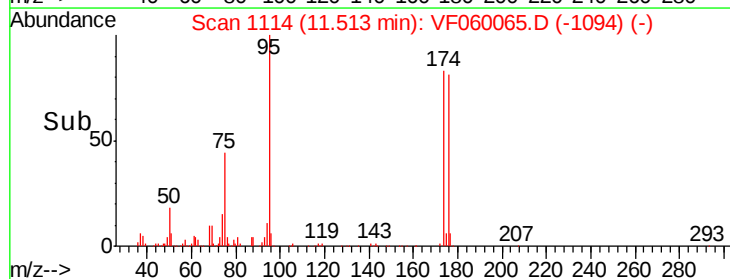
11.51

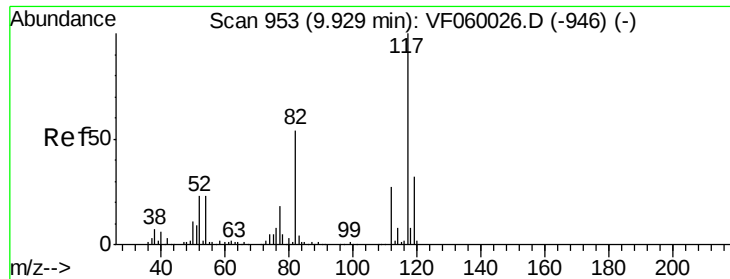
100000

50000

0

Time-->

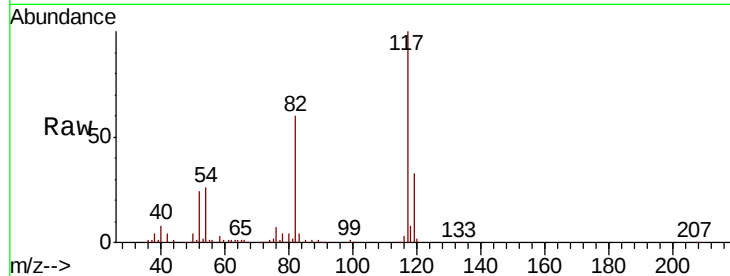




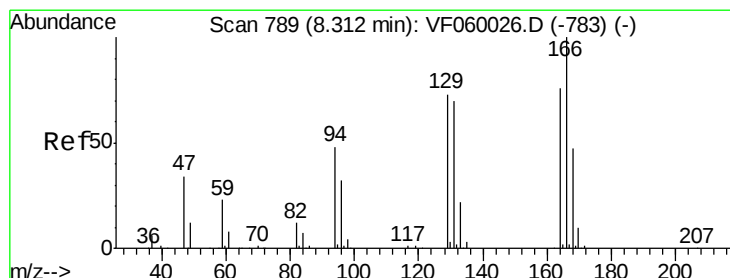
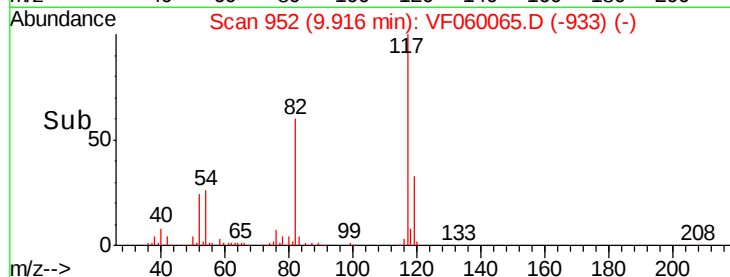
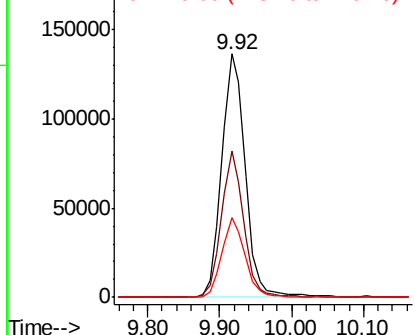
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF060065.D
Acq: 23 Aug 2018 20:48

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q3-B2

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.0	43.6	65.4
119	32.9	25.6	38.4



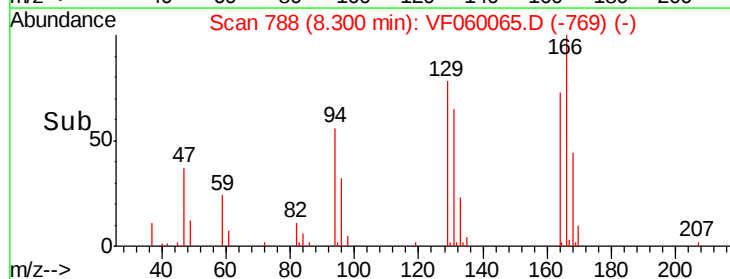
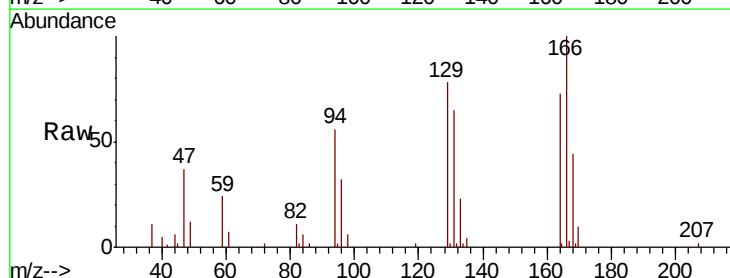
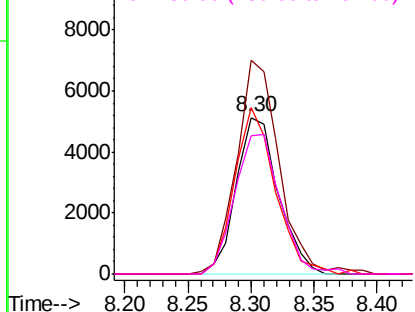
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

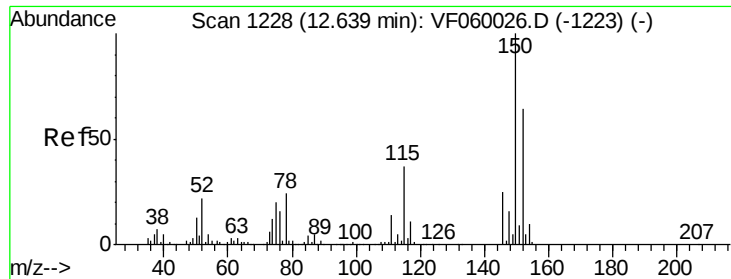


#64
Tetrachloroethene
Concen: 5.72 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF060065.D
Acq: 23 Aug 2018 20:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.3	104.7	157.1
129	103.7	77.0	115.4
131	86.1	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: 12.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VF060065.D

Acq: 23 Aug 2018 20:48

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q3-B2

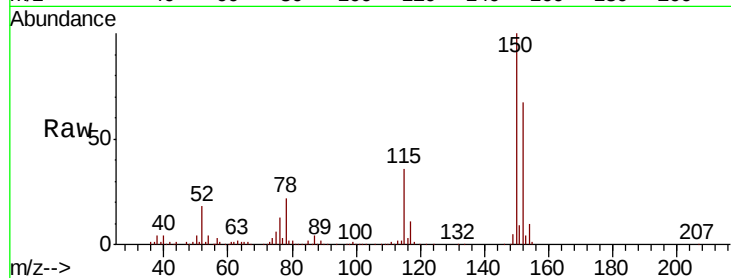
Tot Ion:152 Resp: 187280

Ion Ratio Lower Upper

152 100

115 53.2 28.6 85.9

150 149.9 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

