

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082318\
 Data File : VF060060.D
 Acq On : 23 Aug 2018 18:29
 Operator : VA/AP
 Sample : J4581-02
 Misc : 5.64g/5mL/MSVOA F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q3-A2

Quant Time: Aug 24 03:54:27 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	181804	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	286477	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	317695	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	187277	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	152766	61.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	122.80%	
35) Dibromofluoromethane	4.29	113	134854	59.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.90%	
50) Toluene-d8	7.72	98	343188	53.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.44%	
62) 4-Bromofluorobenzene	11.51	95	190485	56.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.72%	

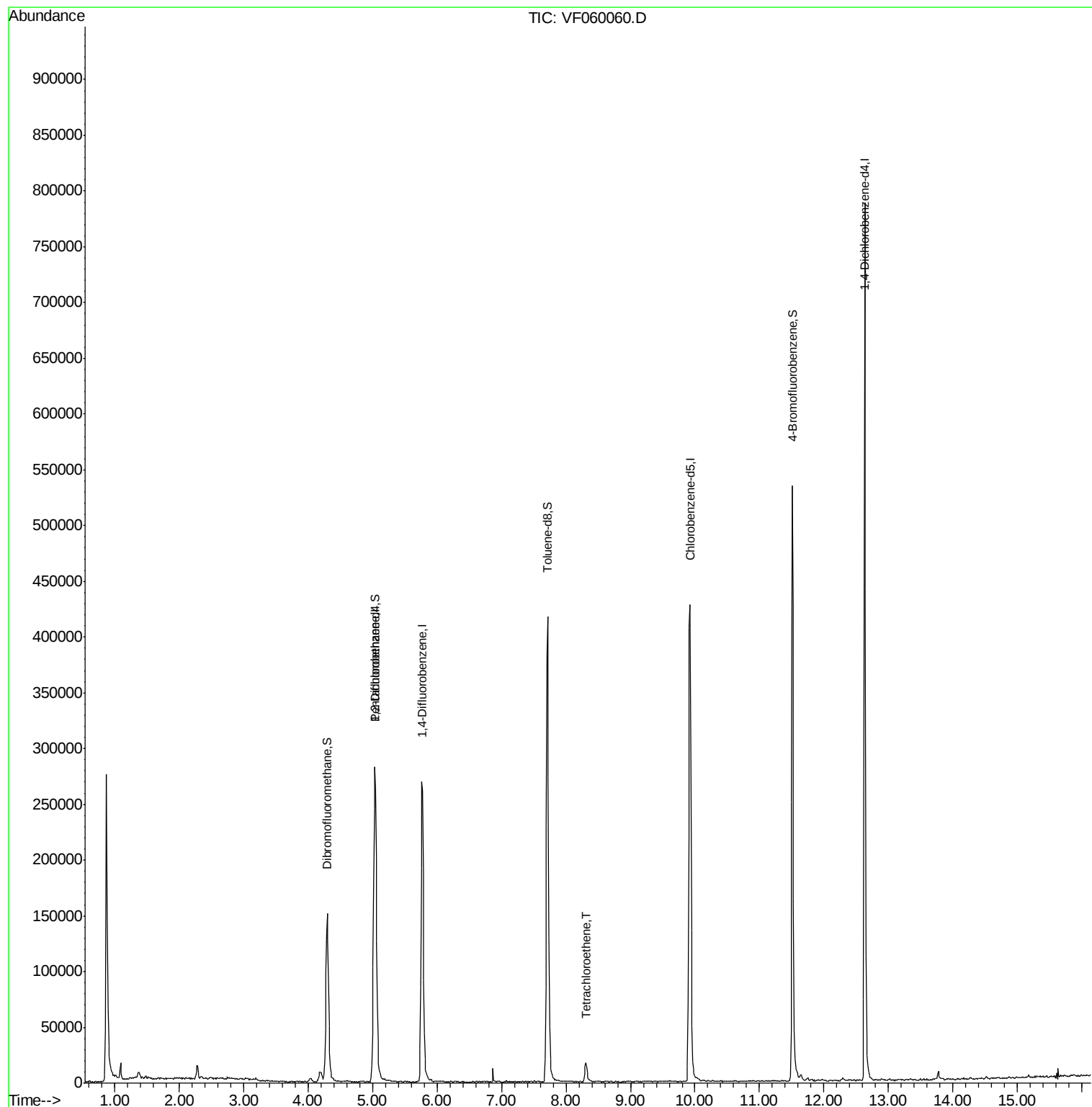
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
64) Tetrachloroethene	8.32	164	4937	2.31	ug/l	# 85

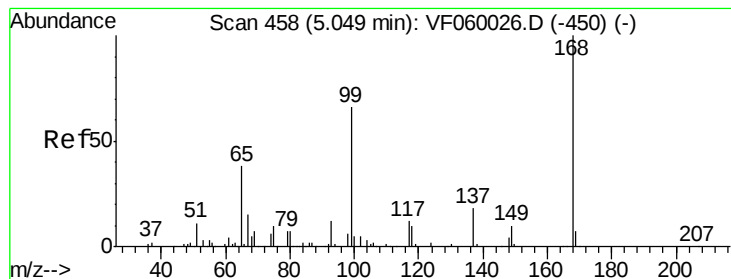
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 458

Delta R.T. -0.01 min

Lab File: VF060060.D

Acq: 23 Aug 2018 18:29

Instrument :

MSVOA_F

ClientSampleId :

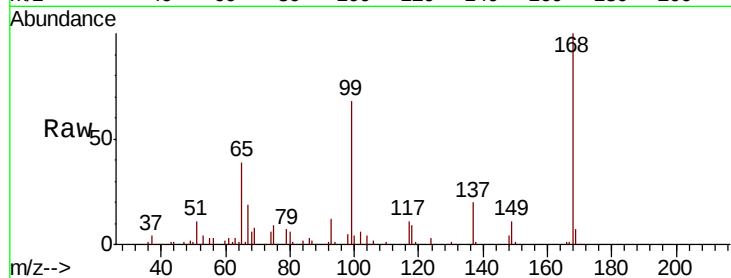
EP1-Q3-A2

Tot Ion:168 Resp: 181804

Ion Ratio Lower Upper

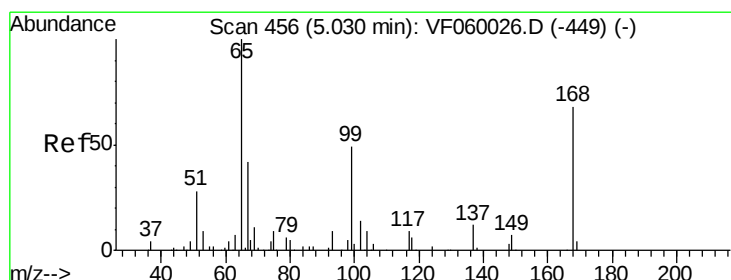
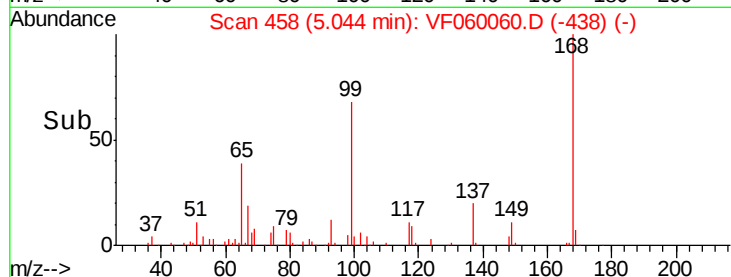
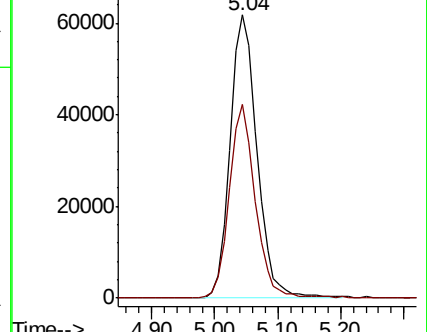
168 100

99 68.3 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: 61.40 ug/l

RT: 5.02 min Scan# 456

Delta R.T. -0.01 min

Lab File: VF060060.D

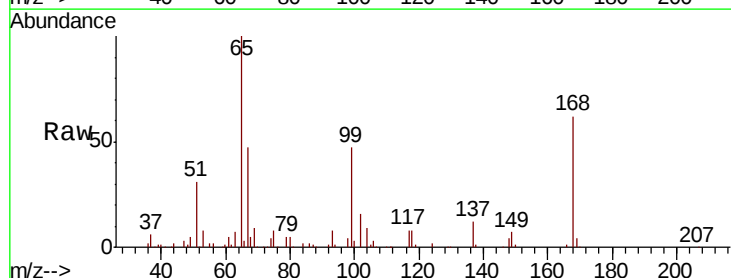
Acq: 23 Aug 2018 18:29

Tgt Ion: 65 Resp: 152766

Ion Ratio Lower Upper

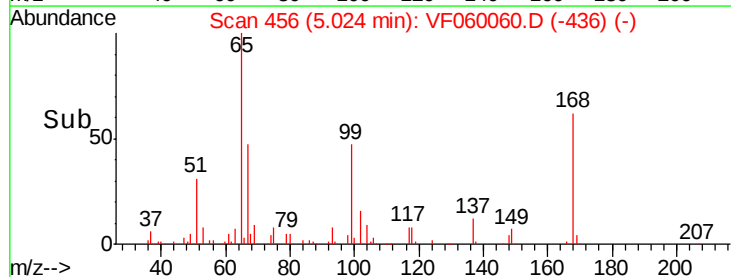
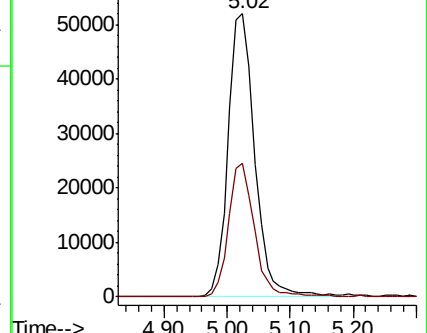
65 100

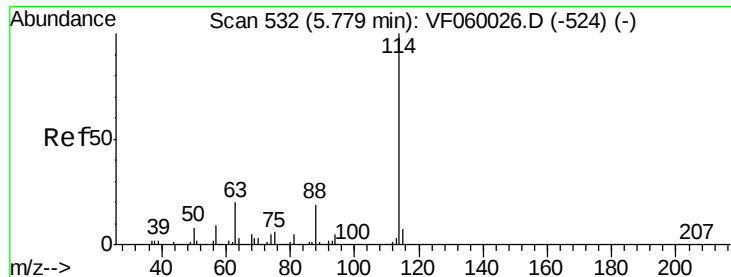
67 47.2 0.0 92.0



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# 532

Delta R.T. -0.01 min

Lab File: VF060060.D

Acq: 23 Aug 2018 18:29

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q3-A2

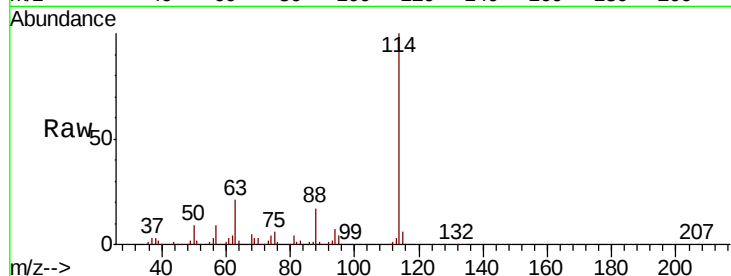
Tot Ion:114 Resp: 286477

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.4

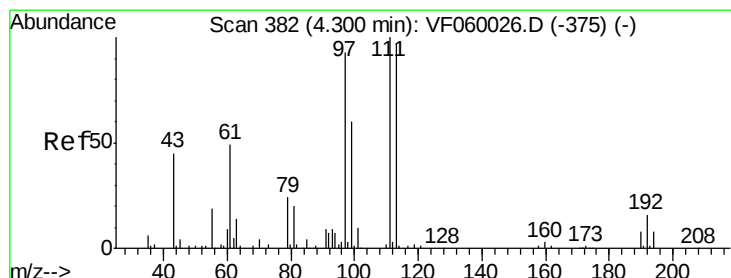
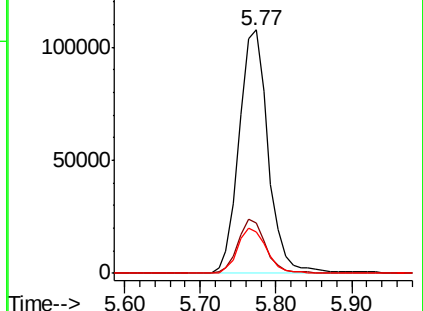
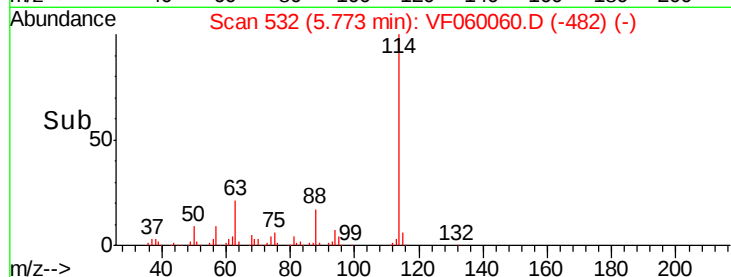
88 17.2 0.0 38.6



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: 59.95 ug/l

RT: 4.29 min Scan# 382

Delta R.T. -0.01 min

Lab File: VF060060.D

Acq: 23 Aug 2018 18:29

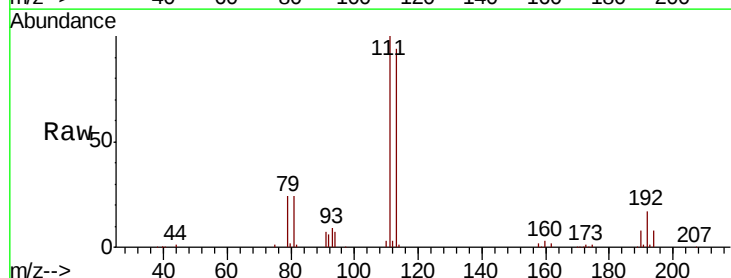
Tgt Ion:113 Resp: 134854

Ion Ratio Lower Upper

113 100

111 105.3 82.7 124.1

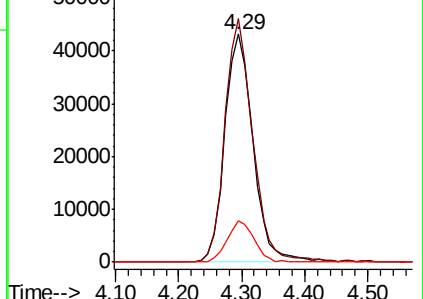
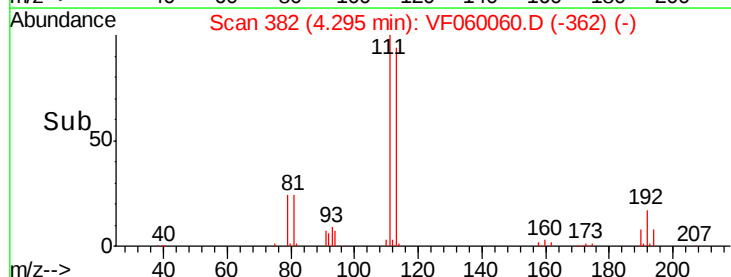
192 18.1 13.0 19.4

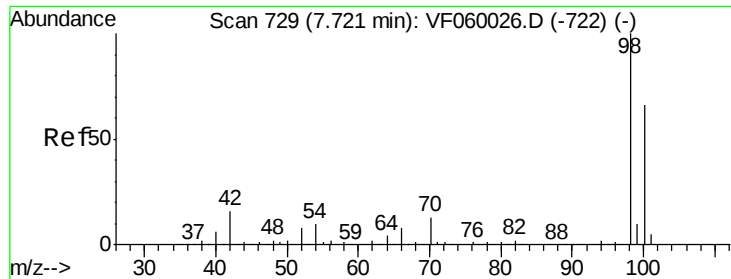


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

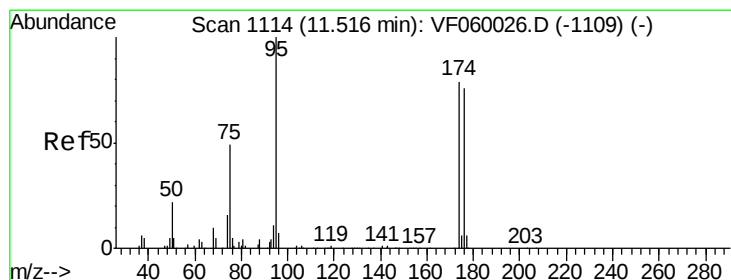
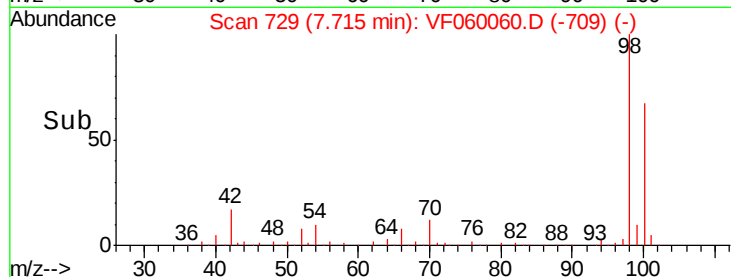
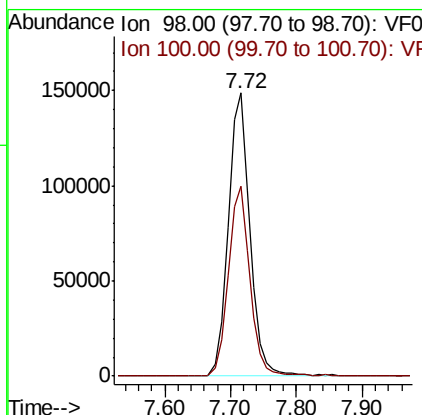
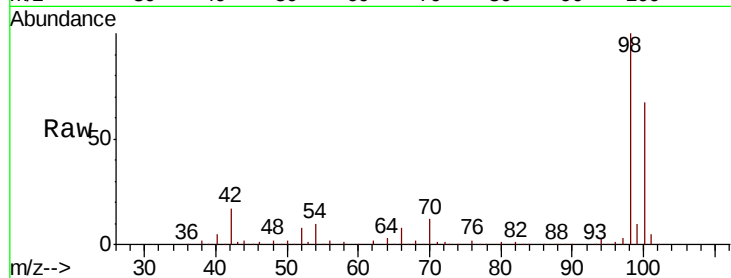




#50
Toluene-d8
Concen: 53.72 ug/l
RT: 7.72 min Scan# 729
Delta R.T. -0.01 min
Lab File: VF060060.D
Acq: 23 Aug 2018 18:29

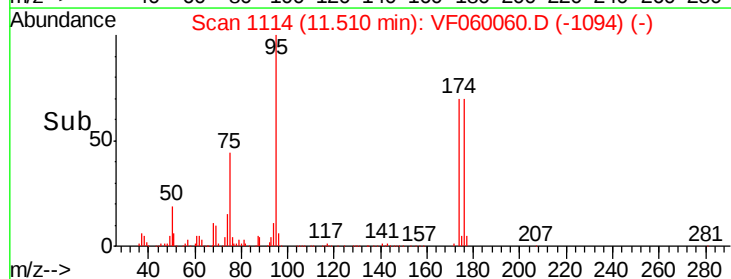
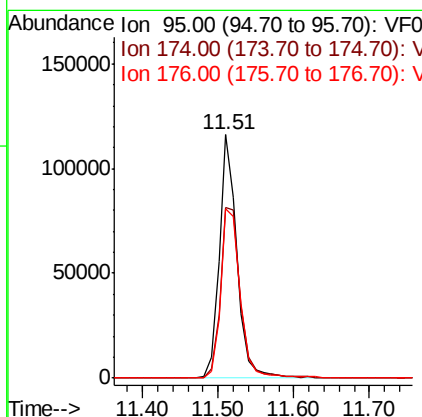
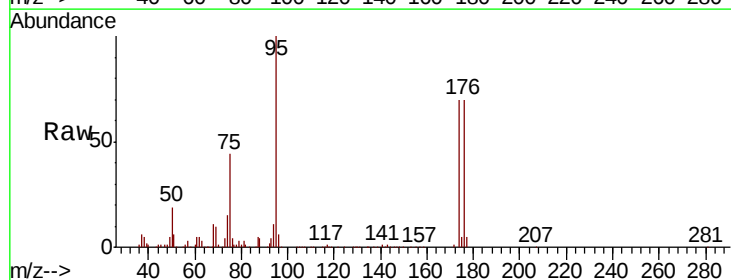
Instrument :
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EP1-Q3-A2

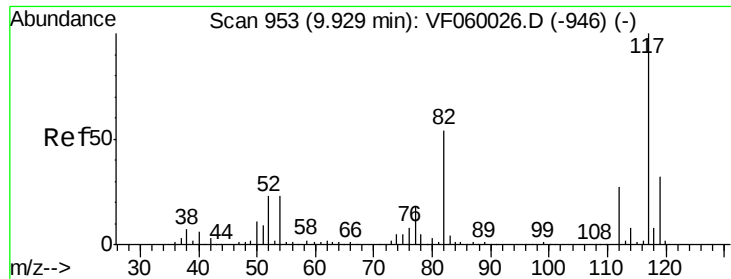
Tot Ion: 98 Resp: 343188
Ion Ratio Lower Upper
98 100
100 67.1 53.2 79.8



#62
4-Bromofluorobenzene
Concen: 56.36 ug/l
RT: 11.51 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VF060060.D
Acq: 23 Aug 2018 18:29

Tgt Ion: 95 Resp: 190485
Ion Ratio Lower Upper
95 100
174 70.0 0.0 158.4
176 69.8 0.0 153.0

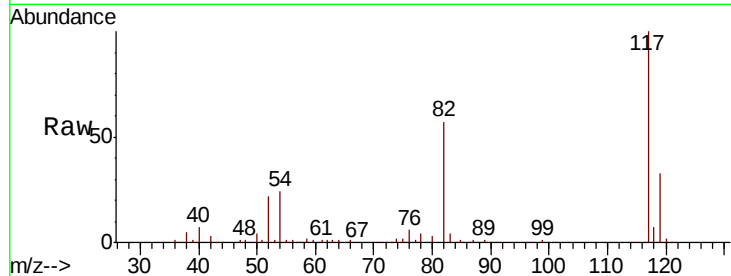




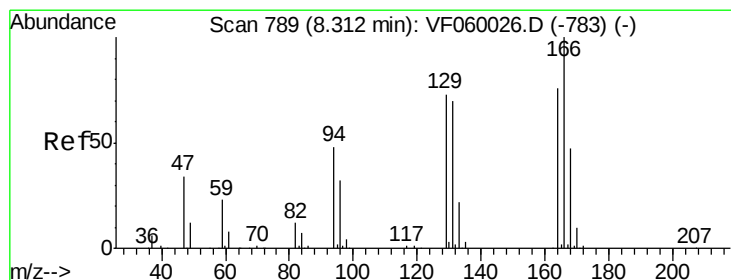
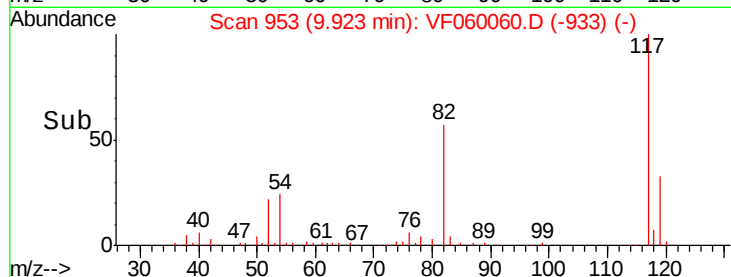
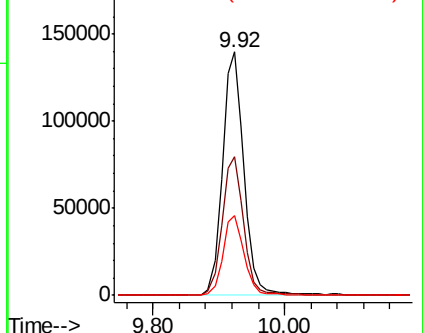
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF060060.D
Acq: 23 Aug 2018 18:29

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q3-A2

Tot Ion:117 Resp: 317695
Ion Ratio Lower Upper
117 100
82 57.1 43.6 65.4
119 32.9 25.6 38.4

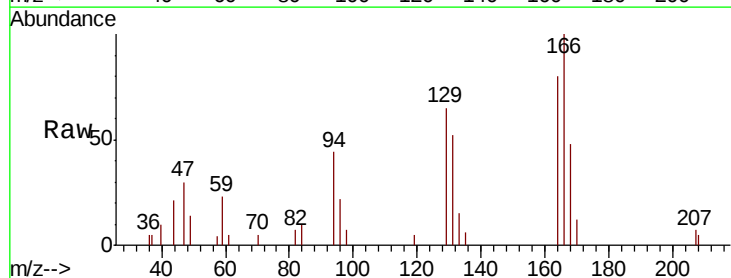


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

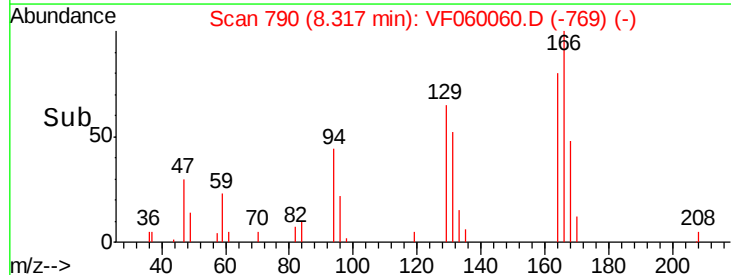
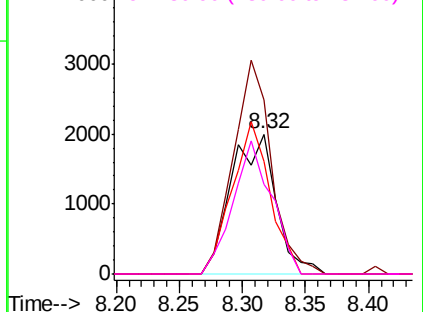


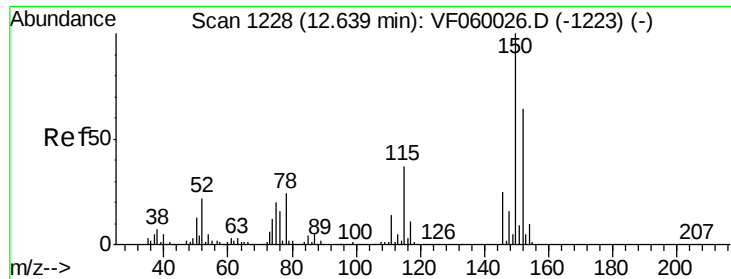
#64
Tetrachloroethene
Concen: 2.31 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.00 min
Lab File: VF060060.D
Acq: 23 Aug 2018 18:29

Tgt Ion:164 Resp: 4937
Ion Ratio Lower Upper
164 100
166 124.5 104.7 157.1
129 81.1 77.0 115.4
131 64.3 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# 1228

Delta R.T. -0.01 min

Lab File: VF060060.D

Acq: 23 Aug 2018 18:29

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q3-A2

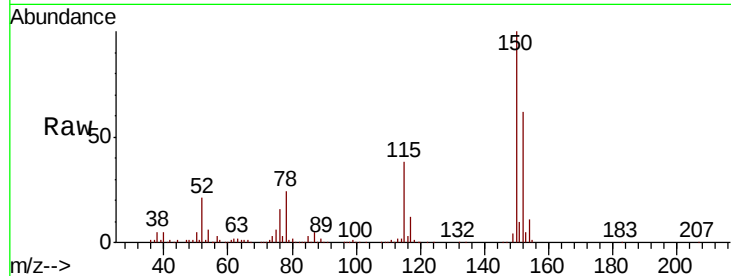
Tot Ion:152 Resp: 187277

Ion Ratio Lower Upper

152 100

115 61.4 28.6 85.9

150 160.4 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

