

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070618\
 Data File : VF059463.D
 Acq On : 6 Jul 2018 21:30
 Operator : VA/AP
 Sample : J3855-02
 Misc : 6.60µ/5mL/MSVOA-F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S-9(7.5-8)

Quant Time: Jul 07 04:13:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

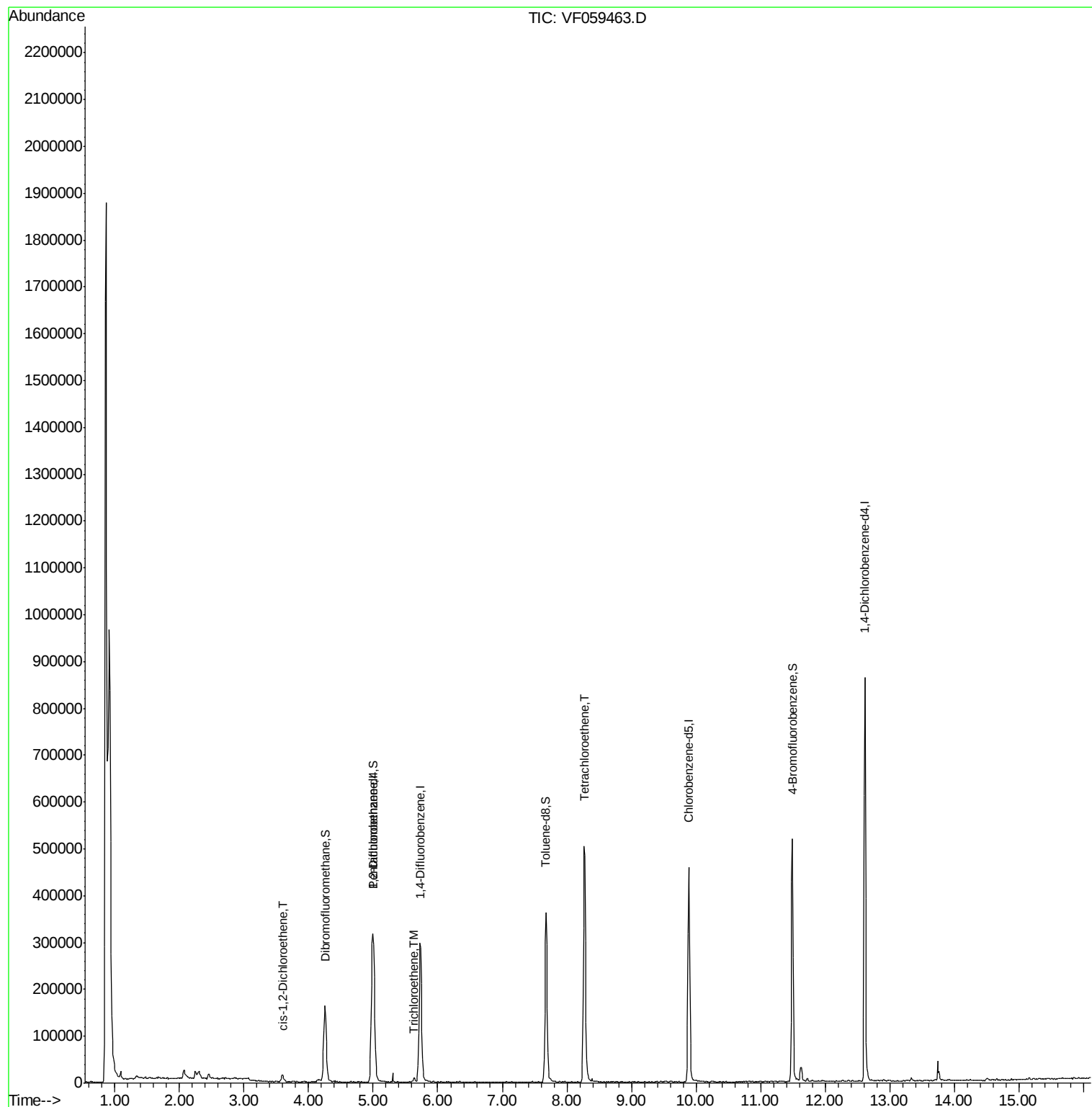
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	201219	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.73	114	301955	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.88	117	310862	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	200575	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.99	65	170141	65.45	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	130.90%	
35) Dibromofluoromethane	4.26	113	144897	65.67	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	131.34%	
50) Toluene-d8	7.68	98	283110	51.83	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	103.66%	
62) 4-Bromofluorobenzene	11.49	95	176170	57.17	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	114.34%	
Target Compounds						
27) cis-1,2-Dichloroethene	3.60	96	7970	4.15	ug/l	76
44) Trichloroethene	5.64	130	3181	1.59	ug/l	99
64) Tetrachloroethene	8.28	164	140937	69.90	ug/l	97

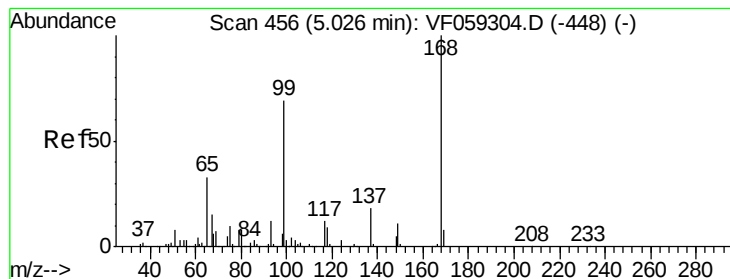
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jun 26 08:45:17 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.02 min

Lab File: VF059463.D

Acq: 6 Jul 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

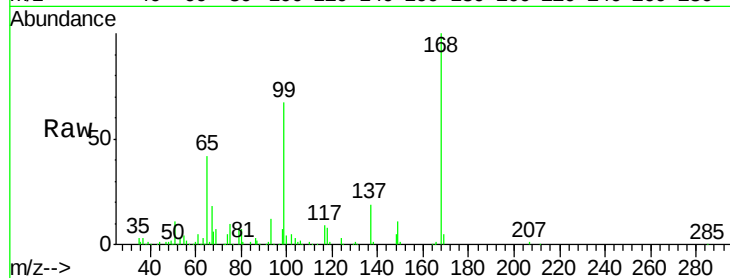
S-9(7.5-8)

Tot Ion:168 Resp: 201219

Ion Ratio Lower Upper

168 100

99 67.2 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.01

80000

60000

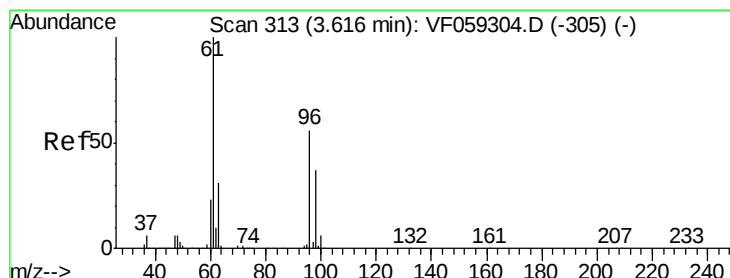
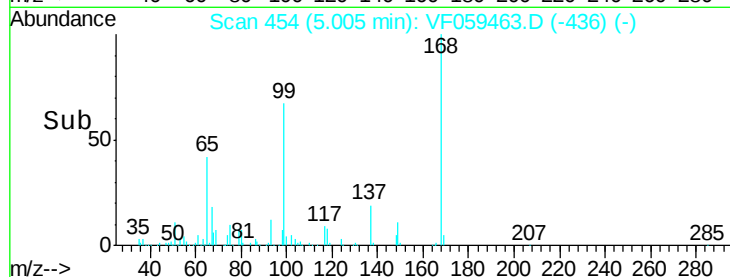
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#27

cis-1,2-Dichloroethene

Concen: 4.15 ug/l

RT: 3.60 min Scan# 311

Delta R.T. -0.02 min

Lab File: VF059463.D

Acq: 6 Jul 2018 21:30

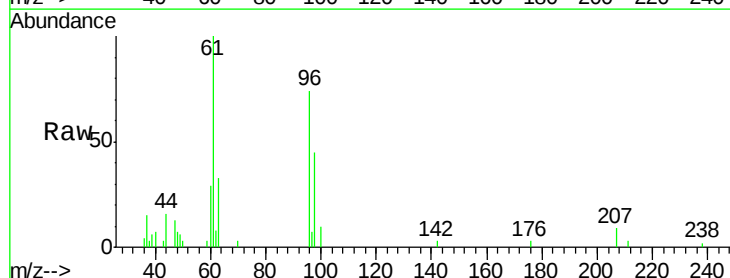
Tgt Ion: 96 Resp: 7970

Ion Ratio Lower Upper

96 100

61 135.0 0.0 355.4

98 60.3 0.0 131.0



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

5000

4000

3000

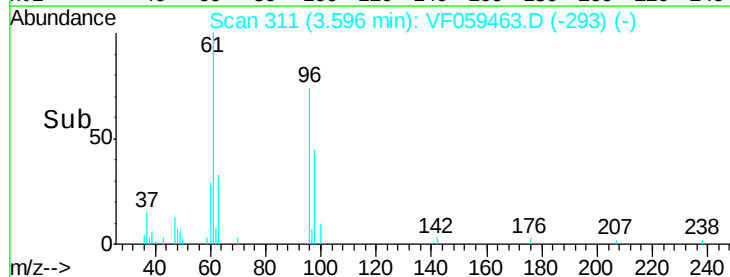
2000

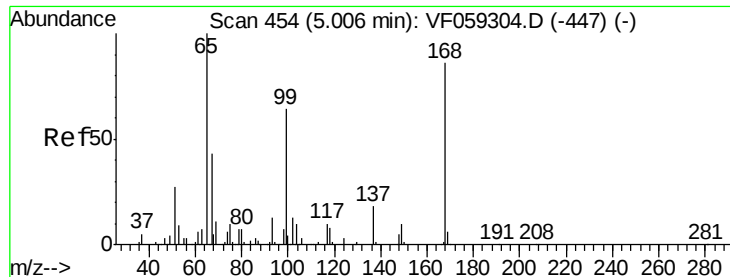
1000

0

Time-->

3.50 3.55 3.60 3.65 3.70





#33

1,2-Dichloroethane-d4

Concen: 65.45 ug/l

RT: 4.99 min Scan# 452

Delta R.T. -0.02 min

Lab File: VF059463.D

Acq: 6 Jul 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

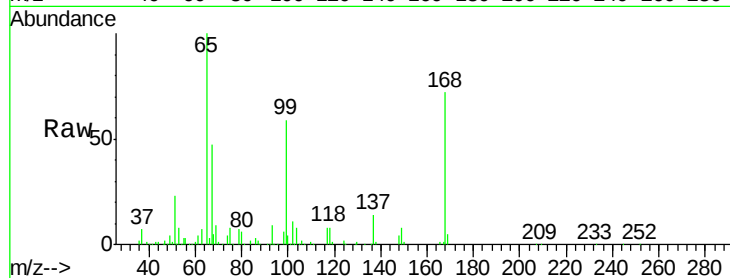
S-9(7.5-8)

Tot Ion: 65 Resp: 170141

Ion Ratio Lower Upper

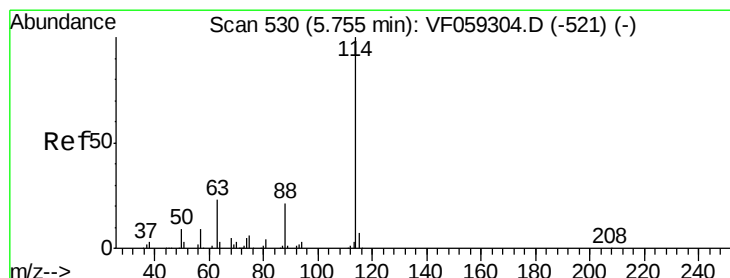
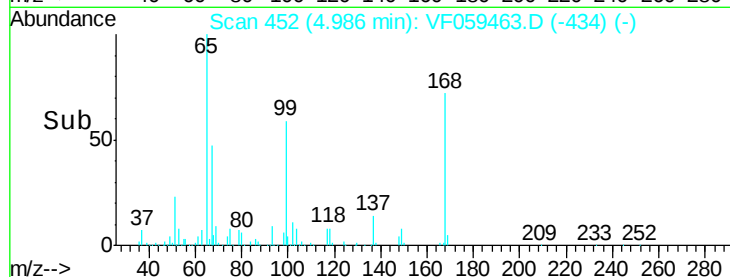
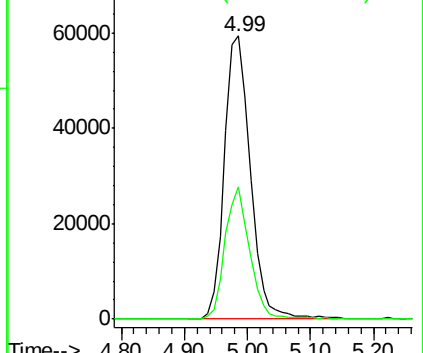
65 100

67 46.8 0.0 96.8



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: 5.73 min Scan# 528

Delta R.T. -0.02 min

Lab File: VF059463.D

Acq: 6 Jul 2018 21:30

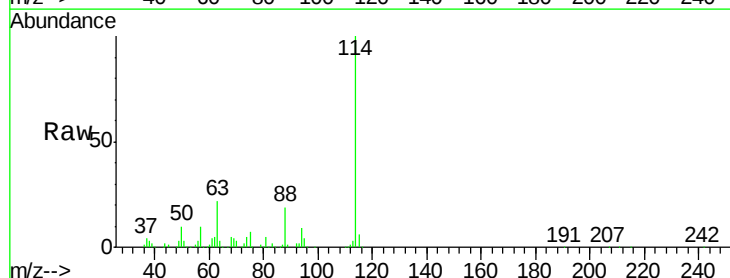
Tgt Ion: 114 Resp: 301955

Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.8

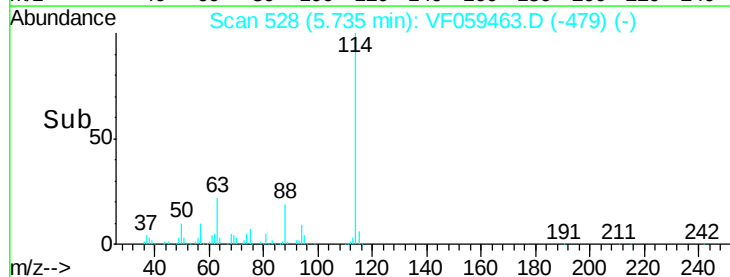
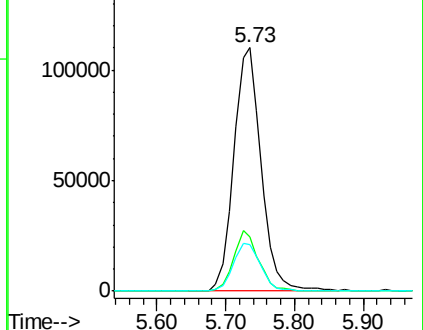
88 19.0 0.0 41.2



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: 65.67 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.02 min

Lab File: VF059463.D

Acq: 6 Jul 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

S-9(7.5-8)

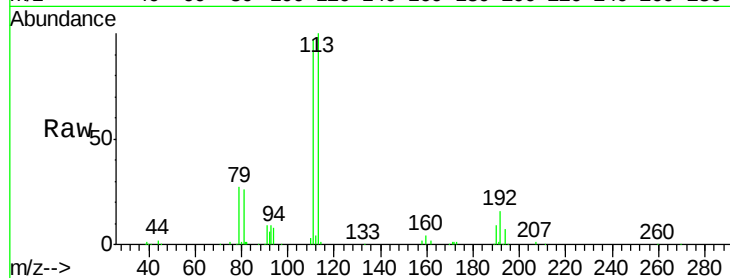
Tot Ion:113 Resp: 144897

Ion Ratio Lower Upper

113 100

111 97.1 82.1 123.1

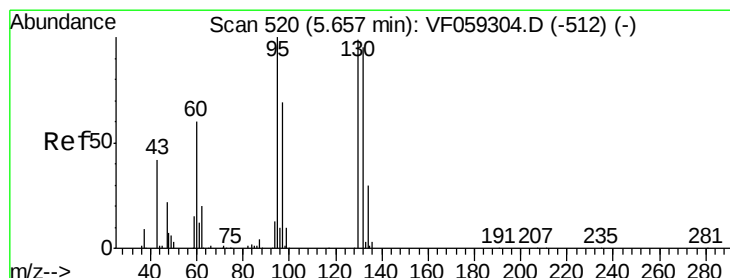
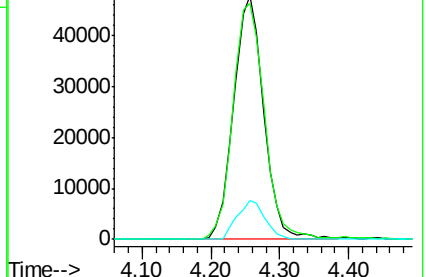
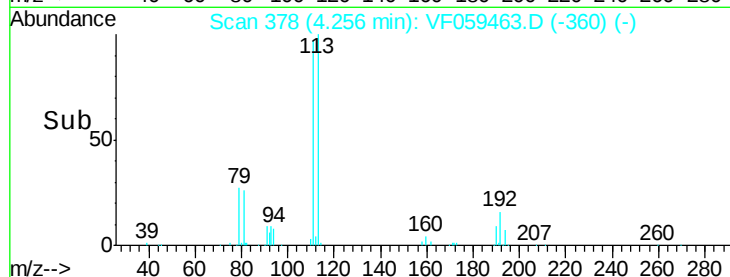
192 16.0 13.0 19.6



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



#44

Trichloroethene

Concen: 1.59 ug/l

RT: 5.64 min Scan# 518

Delta R.T. -0.02 min

Lab File: VF059463.D

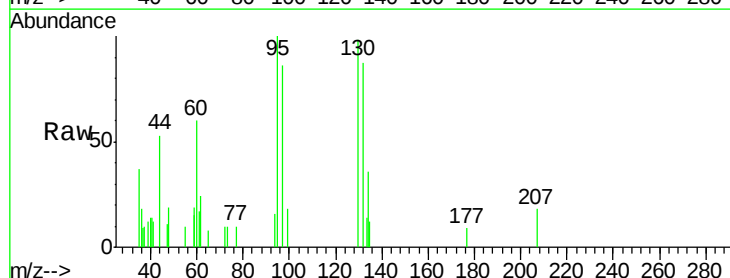
Acq: 6 Jul 2018 21:30

Tgt Ion:130 Resp: 3181

Ion Ratio Lower Upper

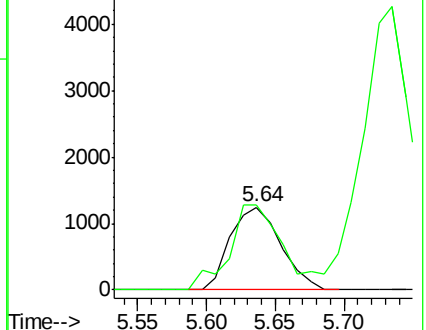
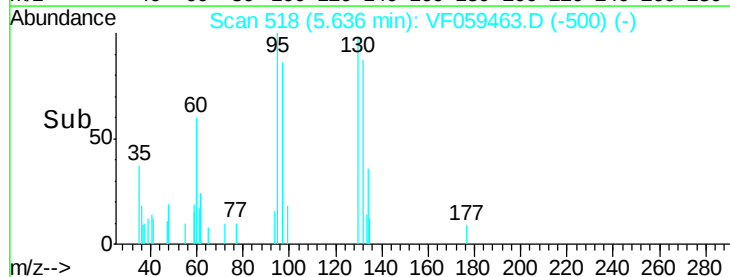
130 100

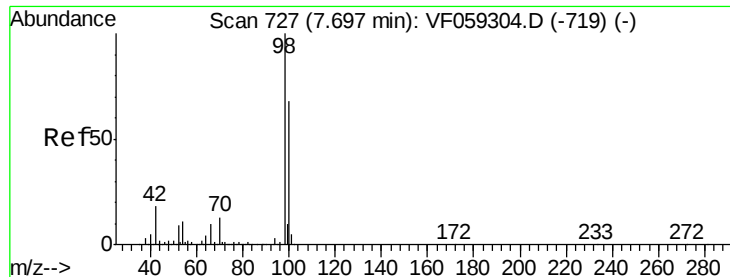
95 102.6 0.0 202.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#50

Toluene-d8

Concen: 51.83 ug/l

RT: 7.68 min Scan# 725

Delta R.T. -0.02 min

Lab File: VF059463.D

Acq: 6 Jul 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

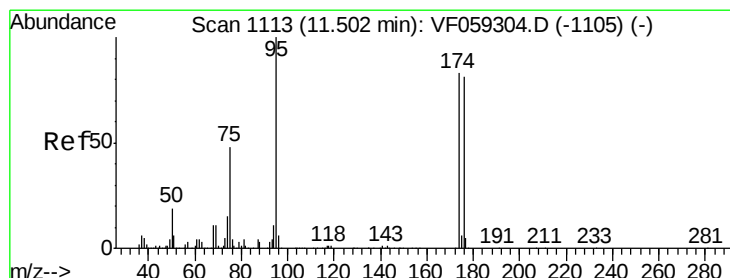
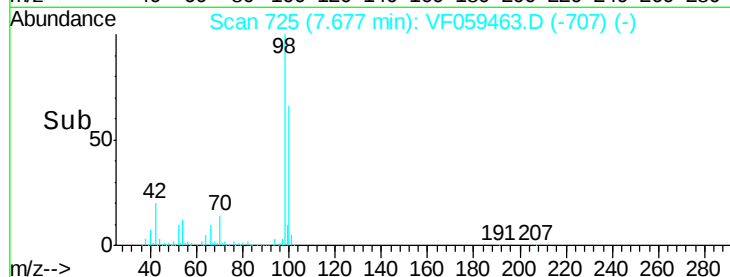
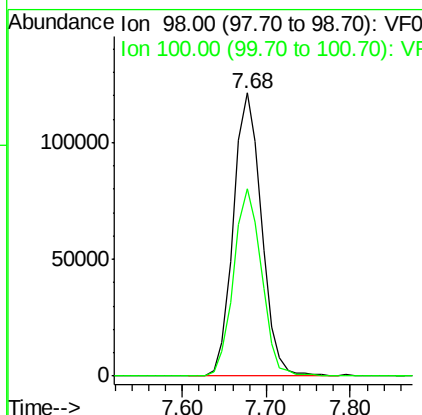
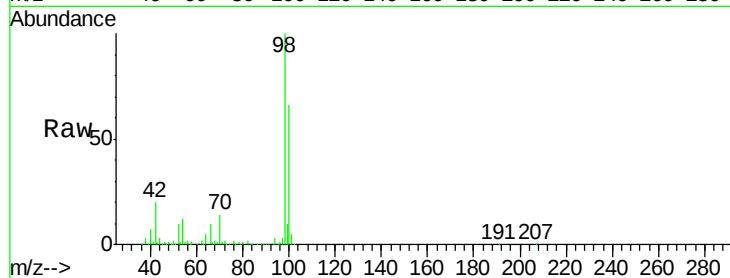
S-9(7.5-8)

Tot Ion: 98 Resp: 283110

Ion Ratio Lower Upper

98 100

100 66.4 54.6 82.0



#62

4-Bromofluorobenzene

Concen: 57.17 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF059463.D

Acq: 6 Jul 2018 21:30

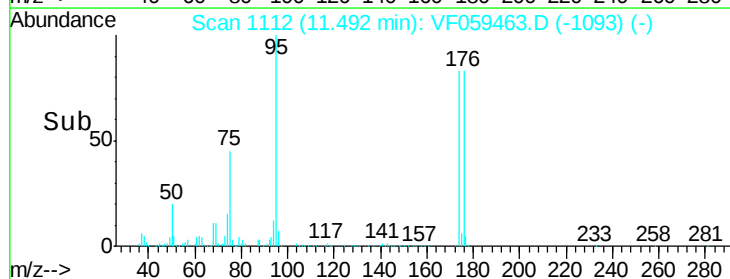
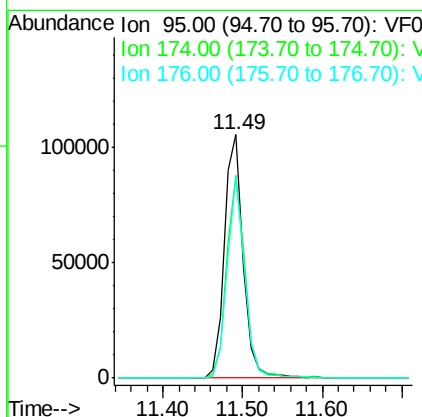
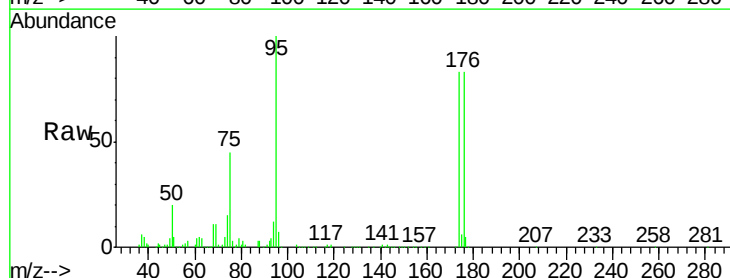
Tgt Ion: 95 Resp: 176170

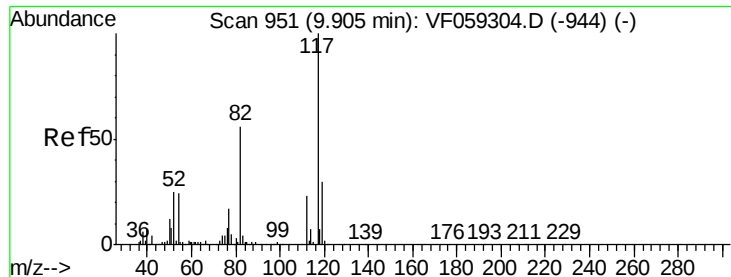
Ion Ratio Lower Upper

95 100

174 83.4 0.0 165.2

176 82.7 0.0 161.0





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.88 min Scan# 949

Delta R.T. -0.02 min

Lab File: VF059463.D

Acq: 6 Jul 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

S-9(7.5-8)

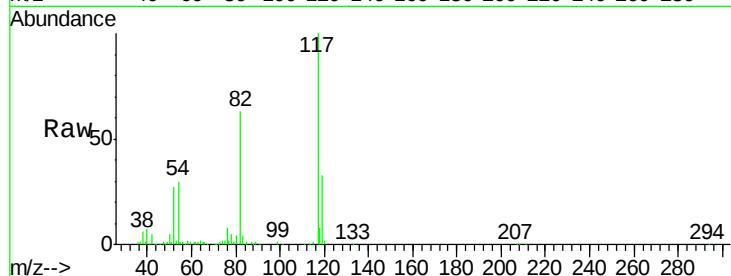
Tot Ion:117 Resp: 310862

Ion Ratio Lower Upper

117 100

82 63.2 44.6 66.8

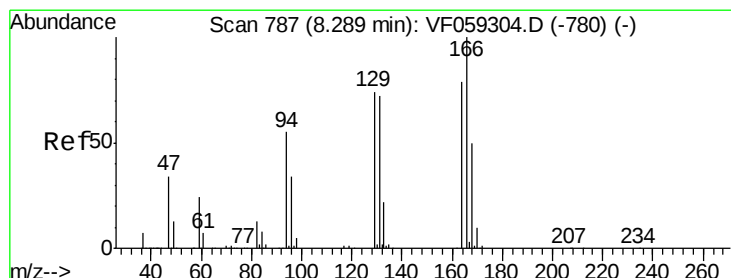
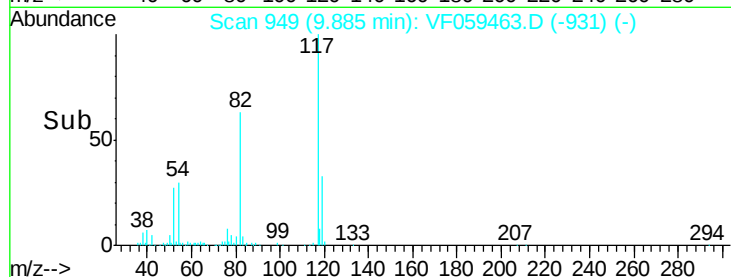
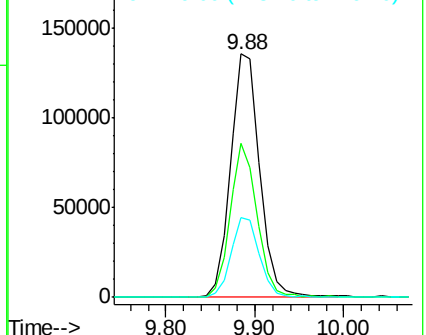
119 32.5 24.1 36.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 69.90 ug/l

RT: 8.28 min Scan# 786

Delta R.T. -0.01 min

Lab File: VF059463.D

Acq: 6 Jul 2018 21:30

Tgt Ion:164 Resp: 140937

Ion Ratio Lower Upper

164 100

166 125.0 101.1 151.7

129 88.9 75.0 112.4

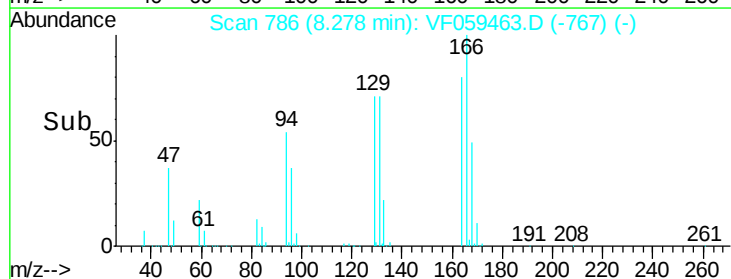
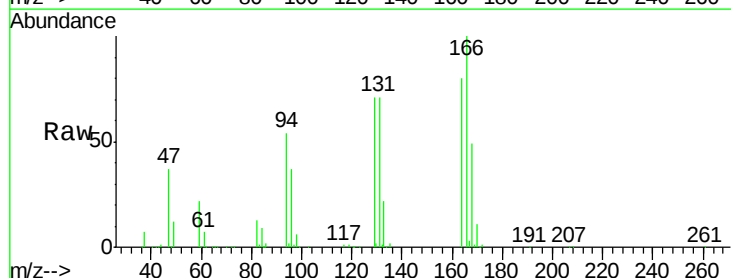
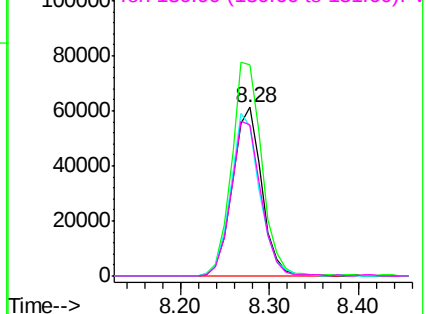
131 89.4 73.3 109.9

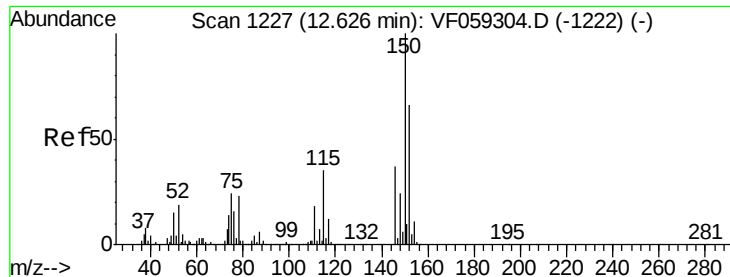
Abundance Ion 163.85 (163.55 to 164.55): V

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: 12.62 min Scan# 1226

Delta R.T. -0.01 min

Lab File: VF059463.D

Acq: 6 Jul 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

S-9(7.5-8)

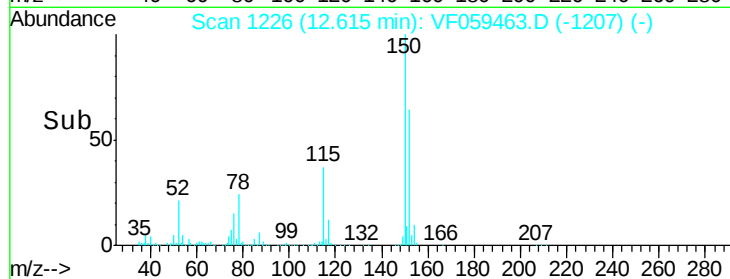
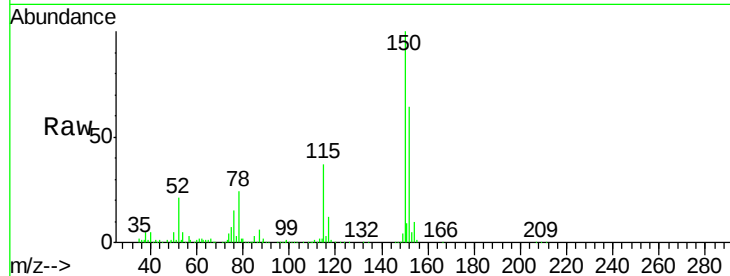
Tot Ion:152 Resp: 200575

Ion Ratio Lower Upper

152 100

115 58.4 27.1 81.3

150 157.2 0.0 305.2



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

