

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF053119\
 Data File : VF062809.D
 Acq On : 31 May 2019 15:22
 Operator : FY/SY
 Sample : K3109-02
 Misc : 4.09g/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 FK-0D015-03-006

Quant Time: Jun 01 01:26:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

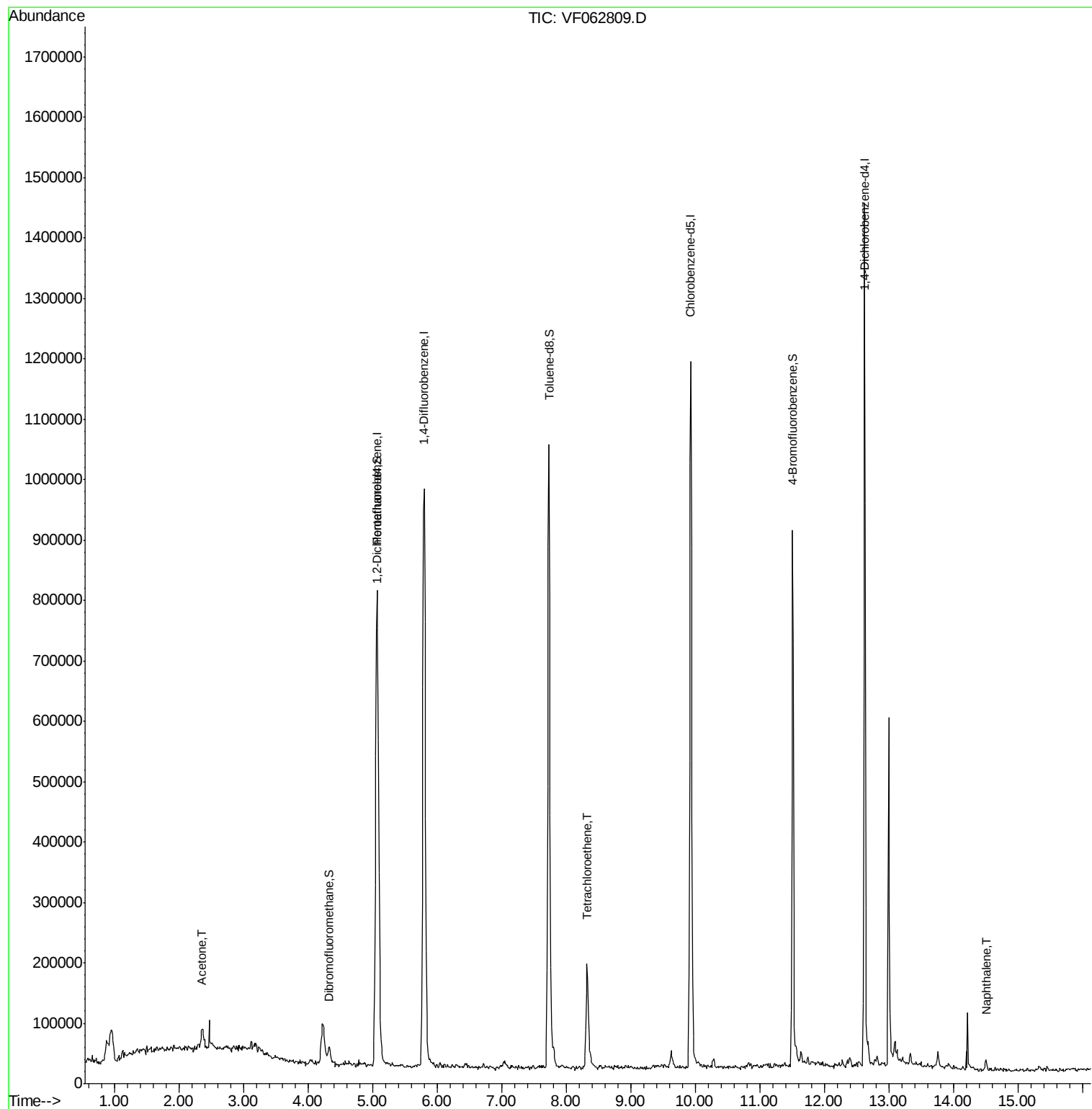
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	716130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1257015	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	912080	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	356837	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.05	65	233548	47.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.32%	
35) Dibromofluoromethane	4.33	113	23864	2.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	5.02%	
50) Toluene-d8	7.73	98	917614	38.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	76.40%	
62) 4-Bromofluorobenzene	11.51	95	320793	37.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.26%	
Target Compounds						
16) Acetone	2.36	43	46852	41.337	ug/l	97
64) Tetrachloroethene	8.32	164	52742	7.525	ug/l	92
95) Naphthalene	14.50	128	13070	1.198	ug/l #	90

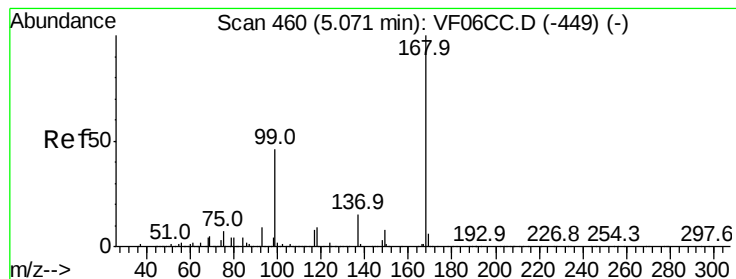
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. 0.01 min

Lab File: VF062809.D

Acq: 31 May 2019 15:22

Instrument :

MSVOA_F

ClientSampleId :

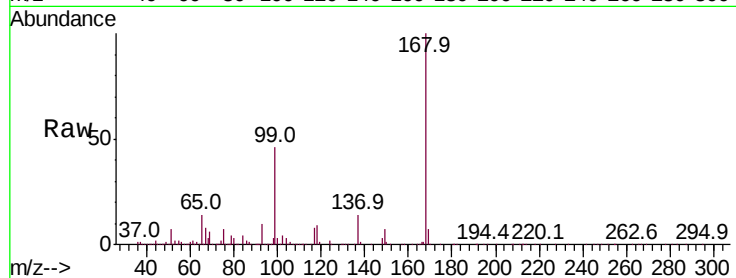
FK-0D015-03-006

Tot Ion:168 Resp: 716130

Ion Ratio Lower Upper

168 100

99 45.5 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF062809.D (-168) (-)

Ion 99.00 (98.70 to 99.70): VF062809.D (-99) (-)

5.08

250000

200000

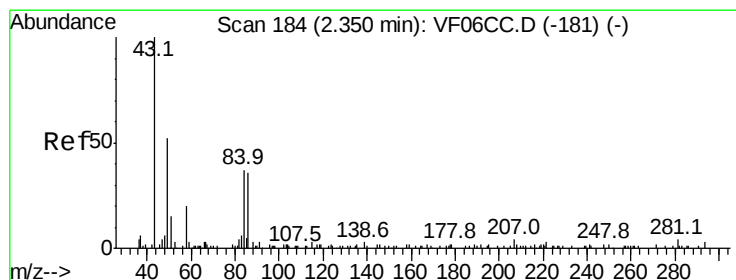
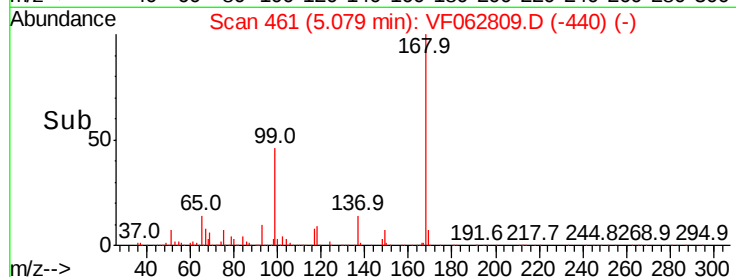
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 41.337 ug/l

RT: 2.36 min Scan# 185

Delta R.T. -0.00 min

Lab File: VF062809.D

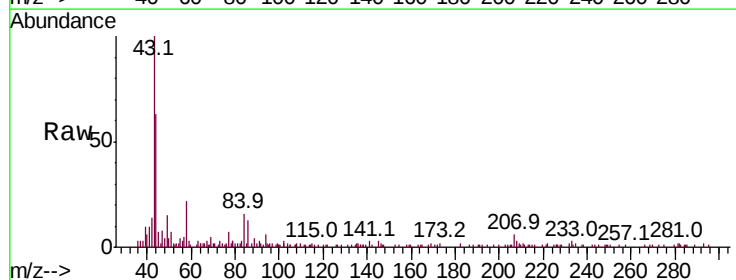
Acq: 31 May 2019 15:22

Tgt Ion: 43 Resp: 46852

Ion Ratio Lower Upper

43 100

58 22.3 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VF062809.D (-43) (-)

Ion 58.00 (57.70 to 58.70): VF062809.D (-58) (-)

2.36

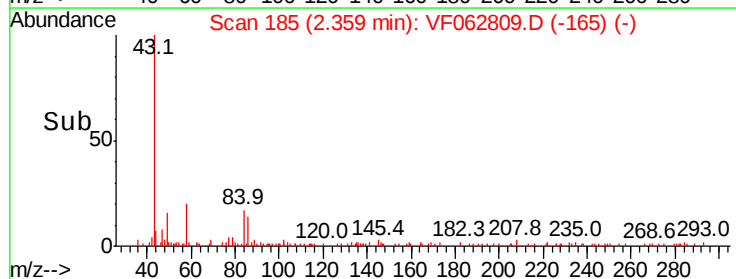
15000

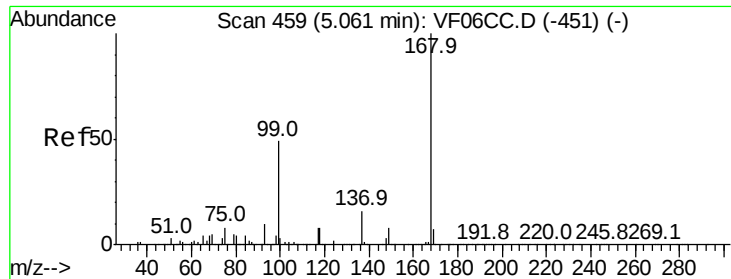
10000

5000

0

Time-->

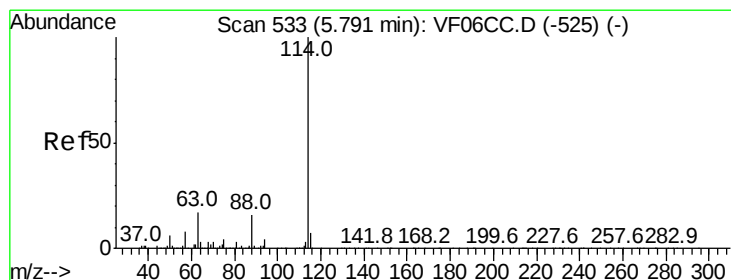
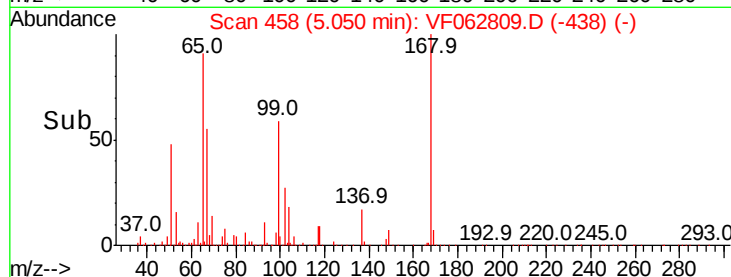
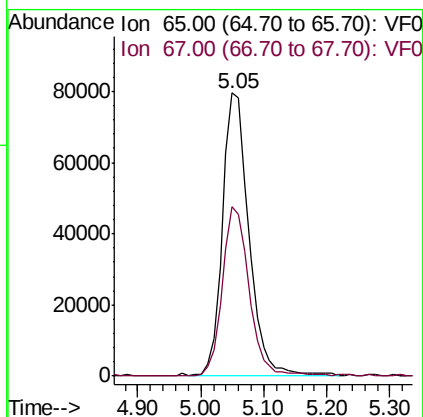
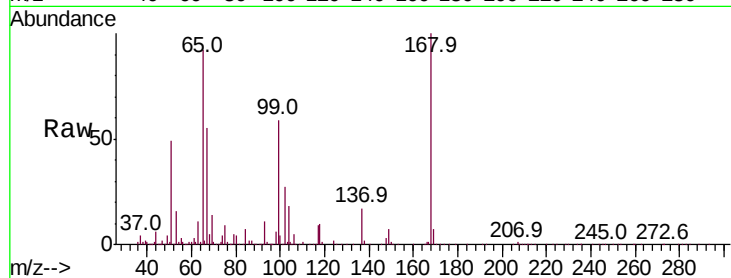




#33
 1,2-Dichloroethane-d4
 Concen: 47.162 ug/l
 RT: 5.05 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: VF062809.D
 Acq: 31 May 2019 15:22

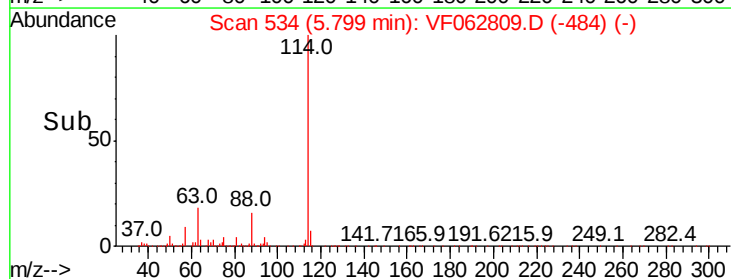
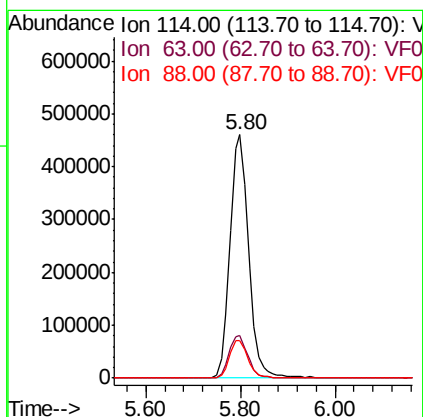
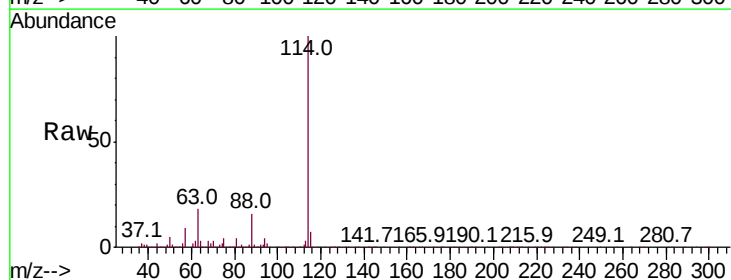
Instrument :
 MSVOA_F
 ClientSampleId :
 FK-0D015-03-006

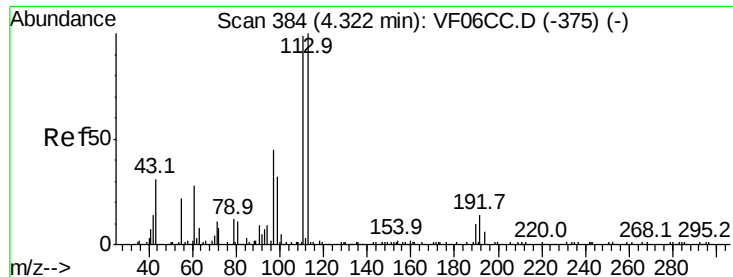
Tot Ion: 65 Resp: 233548
 Ion Ratio Lower Upper
 65 100
 67 59.9 0.0 121.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.80 min Scan# 534
 Delta R.T. -0.00 min
 Lab File: VF062809.D
 Acq: 31 May 2019 15:22

Tgt Ion:114 Resp: 1257015
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 34.2
 88 15.6 0.0 31.2





#35

Dibromofluoromethane

Concen: 2.512 ug/l

RT: 4.33 min Scan# 385

Delta R.T. -0.00 min

Lab File: VF062809.D

Acq: 31 May 2019 15:22

Instrument :

MSVOA_F

ClientSampleId :

FK-0D015-03-006

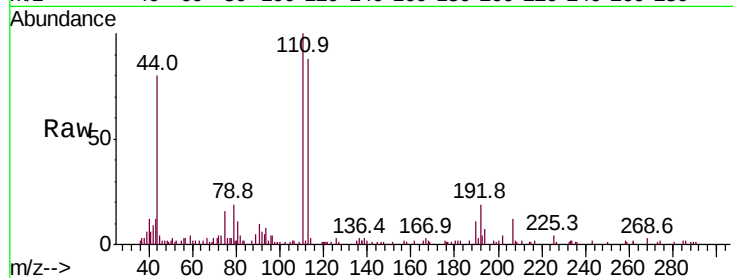
Tot Ion:113 Resp: 23864

Ion Ratio Lower Upper

113 100

111 113.8 81.9 122.9

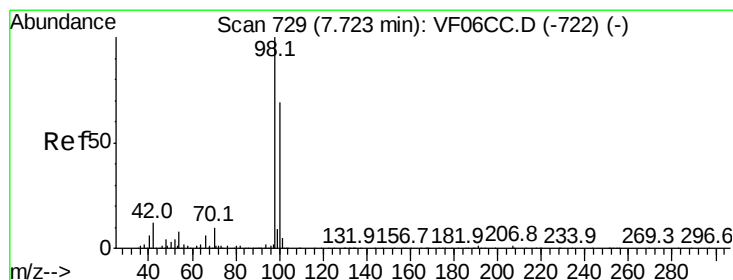
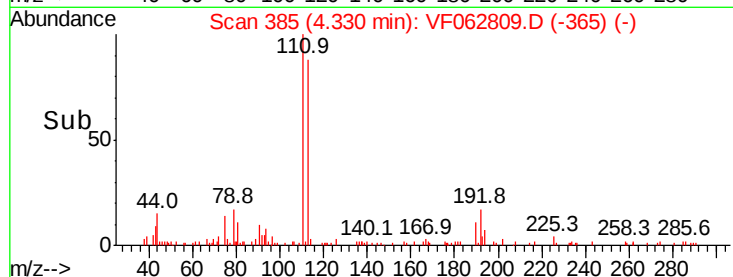
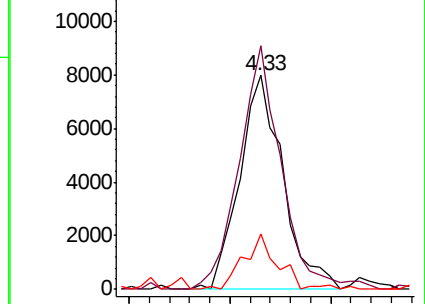
192 26.1 15.1 22.7#



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: 38.202 ug/l

RT: 7.73 min Scan# 730

Delta R.T. -0.00 min

Lab File: VF062809.D

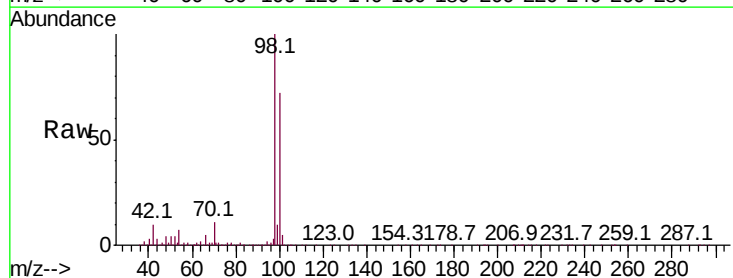
Acq: 31 May 2019 15:22

Tgt Ion: 98 Resp: 917614

Ion Ratio Lower Upper

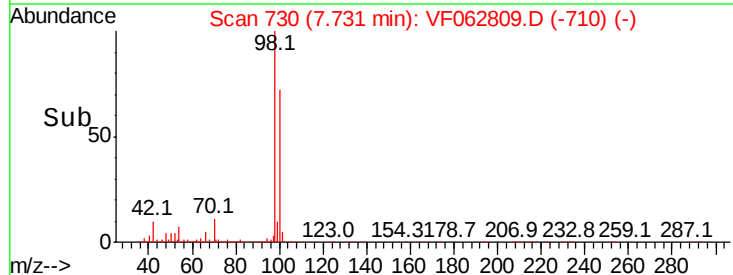
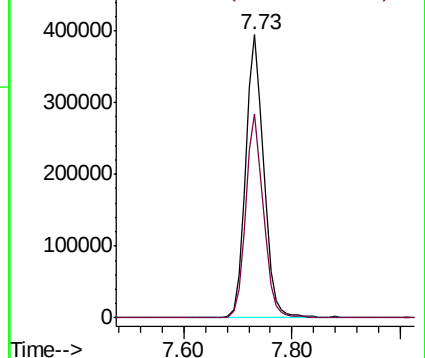
98 100

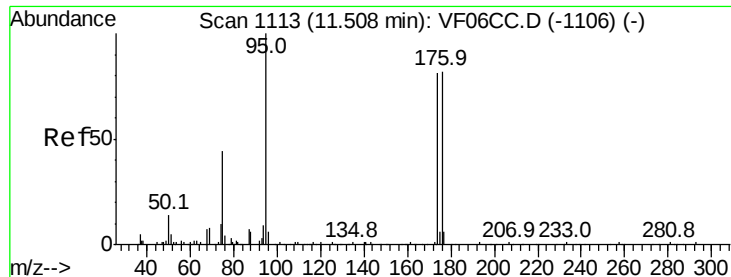
100 72.2 59.8 89.8



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF





#62

4-Bromofluorobenzene

Concen: 37.128 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF062809.D

Acq: 31 May 2019 15:22

Instrument :

MSVOA_F

ClientSampleId :

FK-0D015-03-006

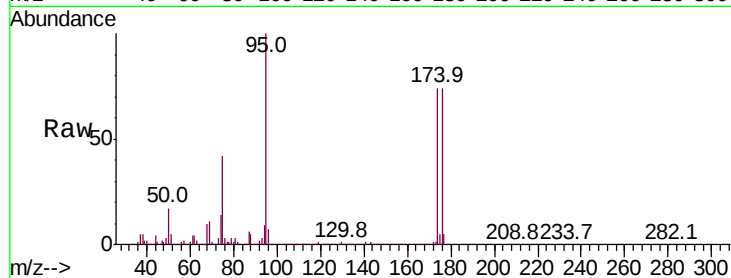
Tot Ion: 95 Resp: 320793

Ion Ratio Lower Upper

95 100

174 73.8 0.0 170.6

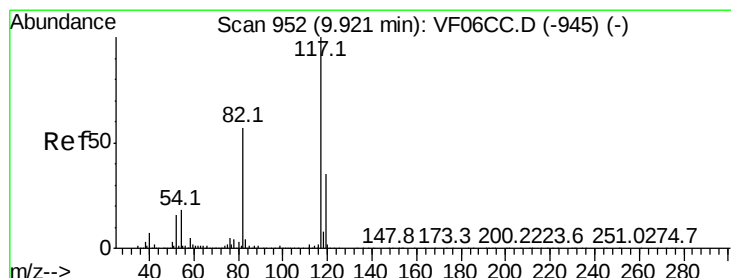
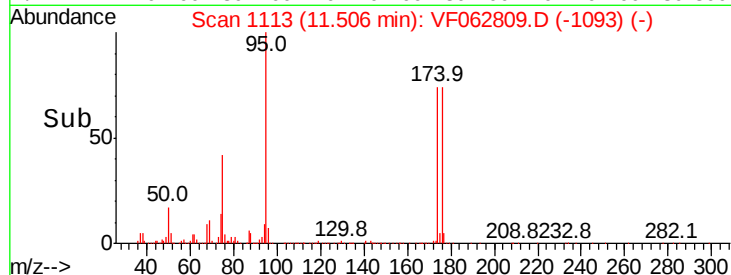
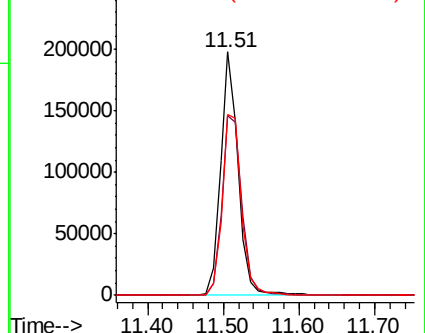
176 74.3 0.0 170.6



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.93 min Scan# 953

Delta R.T. -0.00 min

Lab File: VF062809.D

Acq: 31 May 2019 15:22

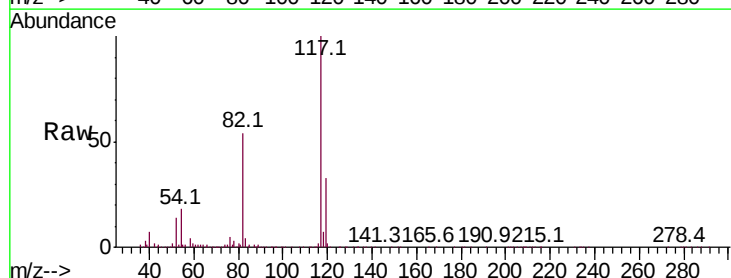
Tgt Ion: 117 Resp: 912080

Ion Ratio Lower Upper

117 100

82 54.0 42.4 63.6

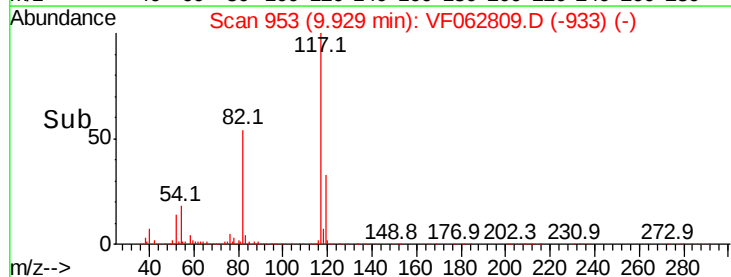
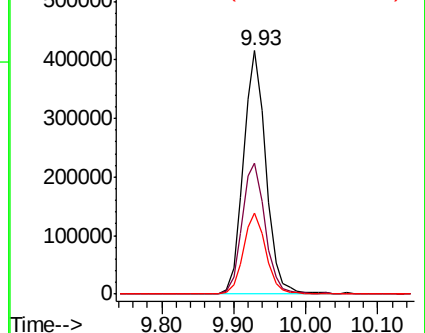
119 33.2 27.1 40.7

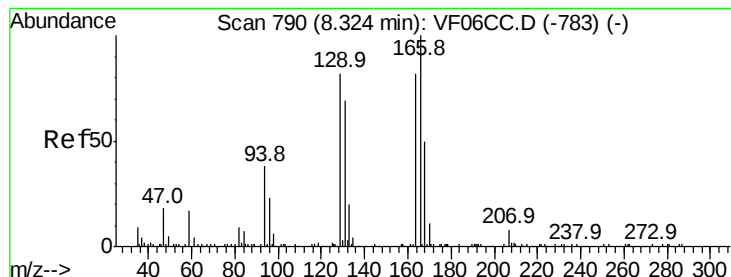


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#64

Tetrachloroethene

Concen: 7.525 ug/l

RT: 8.32 min Scan# 790

Delta R.T. -0.00 min

Lab File: VF062809.D

Acq: 31 May 2019 15:22

Instrument :

MSVOA_F

ClientSampleId :

FK-0D015-03-006

Tot Ion:164 Resp: 52742

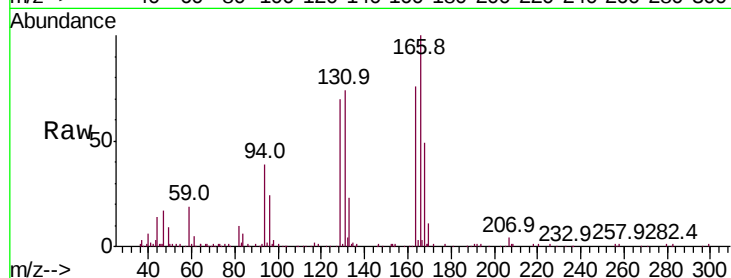
Ion Ratio Lower Upper

164 100

166 131.2 99.1 148.7

129 92.4 69.5 104.3

131 96.7 69.2 103.8

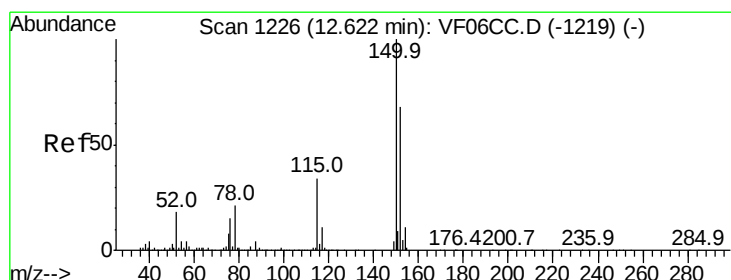
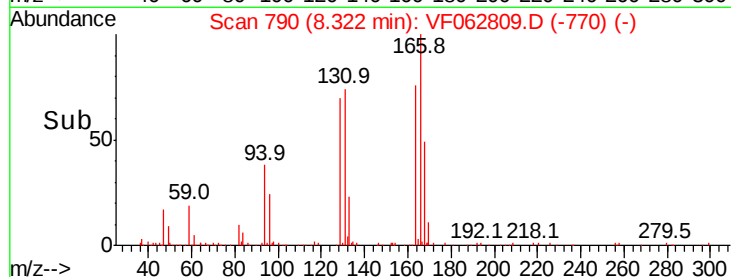
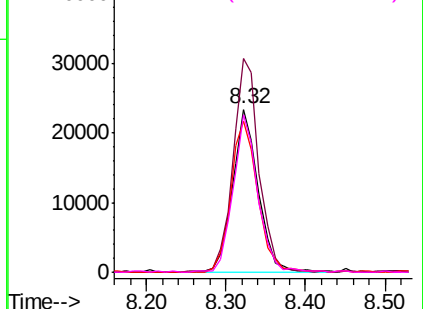


Abundance Ion 163.85 (163.55 to 164.55): V

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: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. -0.00 min

Lab File: VF062809.D

Acq: 31 May 2019 15:22

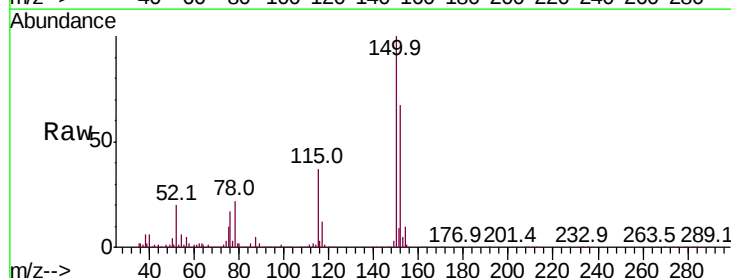
Tgt Ion:152 Resp: 356837

Ion Ratio Lower Upper

152 100

115 55.7 24.6 74.0

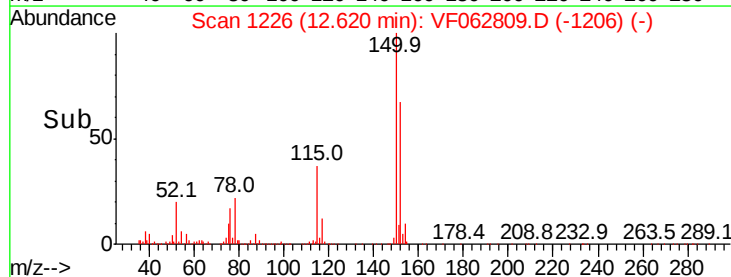
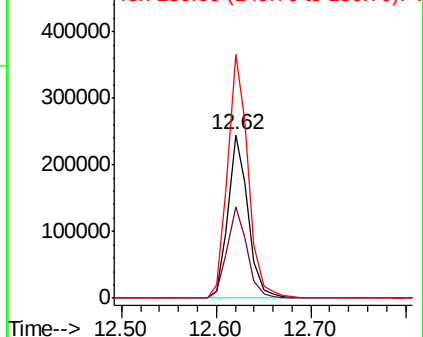
150 149.0 0.0 290.6

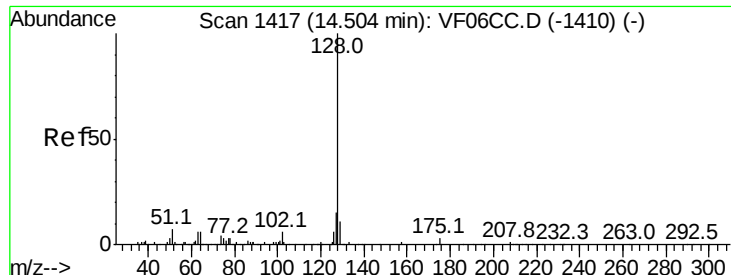


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#95

Naphthalene

Concen: 1.198 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VF062809.D

Acq: 31 May 2019 15:22

Instrument :

MSVOA_F

ClientSampleId :

FK-0D015-03-006

Tot Ion:128 Resp: 13070

Ion Ratio Lower Upper

128 100

127 7.9 9.7 14.5#

129 8.0 9.4 14.2#

