

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061219\
 Data File : VF062935.D
 Acq On : 12 Jun 2019 18:44
 Operator : FY/SY
 Sample : K3343-02
 Misc : 4.76µ/5mL/MSVOA F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 FK-0D015-03-008

Quant Time: Jun 13 09:06:25 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

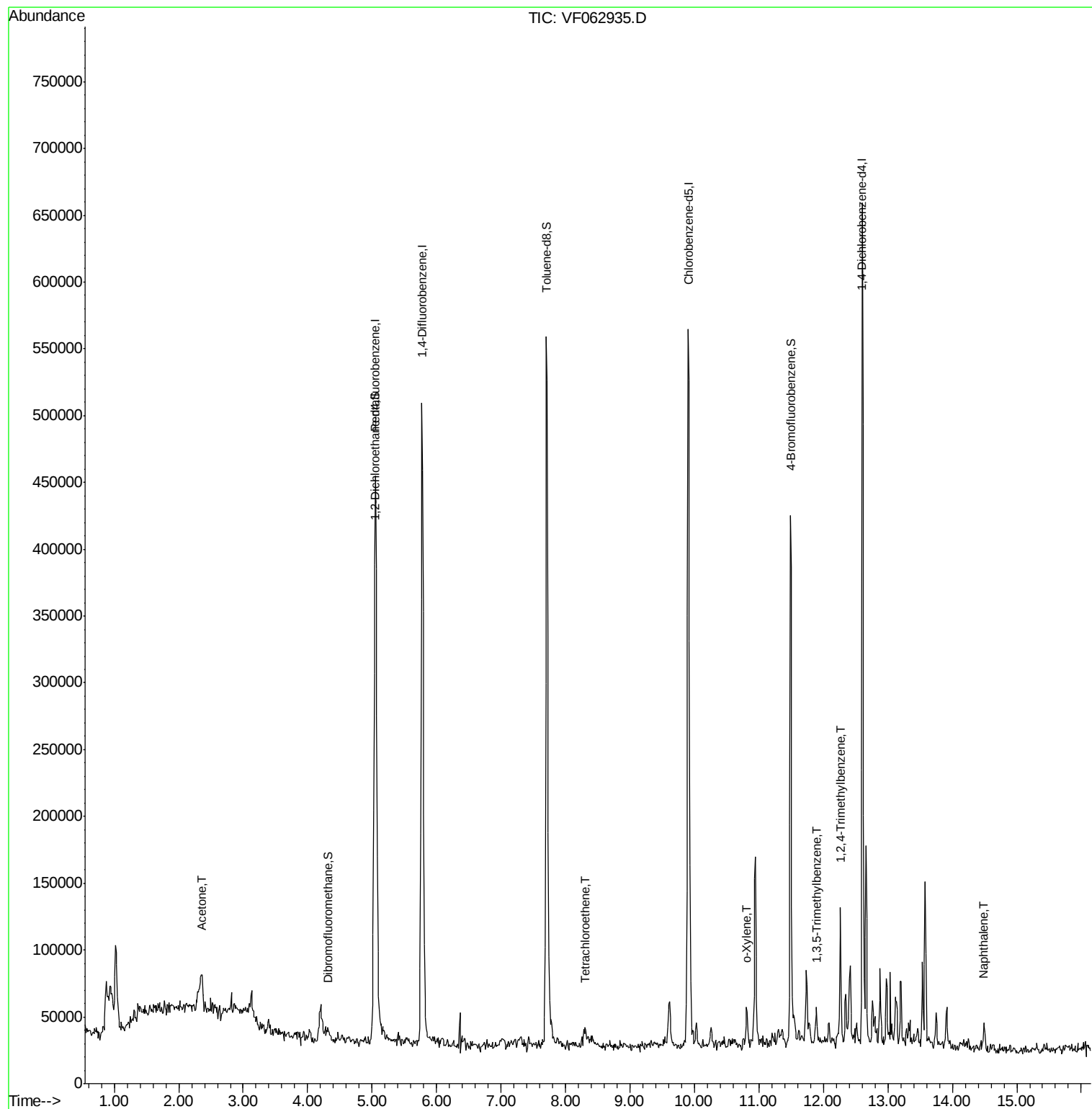
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	345279	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.77	114	573596	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.91	117	431180	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.60	152	145296	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	123362	51.67	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	103.34%	
35) Dibromofluoromethane	4.31	113	7321	1.69	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	3.38%	
50) Toluene-d8	7.70	98	429137	39.15	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	78.30%	
62) 4-Bromofluorobenzene	11.49	95	142960	36.26	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	72.52%	
Target Compounds						
16) Acetone	2.35	43	36471	66.739	ug/l	97
64) Tetrachloroethene	8.31	164	3881	1.171	ug/l #	71
69) o-Xylene	10.81	106	6685	1.208	ug/l	80
80) 1,3,5-Trimethylbenzene	11.89	105	13162	1.588	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	53055	6.749	ug/l	85
95) Naphthalene	14.50	128	14459	3.255	ug/l #	95

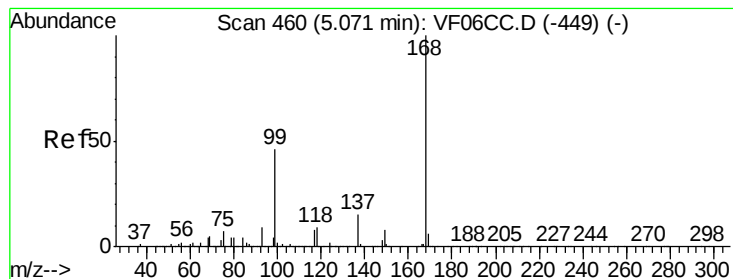
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri May 31 04:18:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.01 min

Lab File: VF062935.D

Acq: 12 Jun 2019 18:44

Instrument :

MSVOA_F

ClientSampleId :

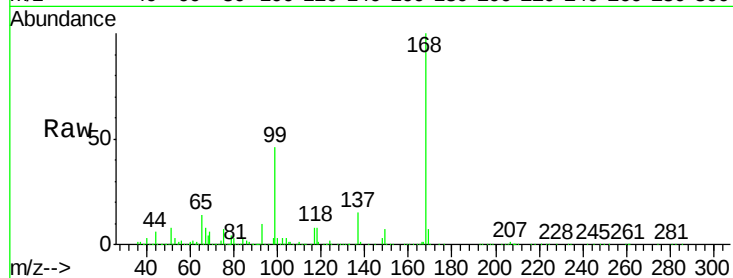
FK-0D015-03-008

Tot Ion:168 Resp: 345279

Ion Ratio Lower Upper

168 100

99 46.2 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

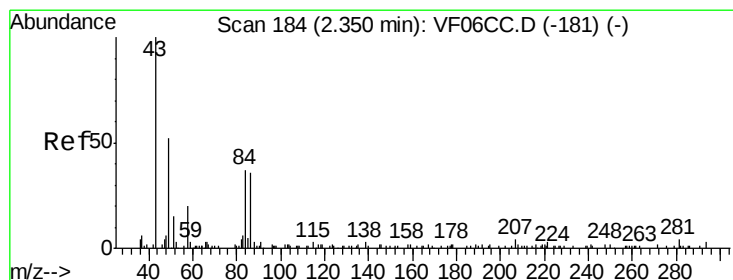
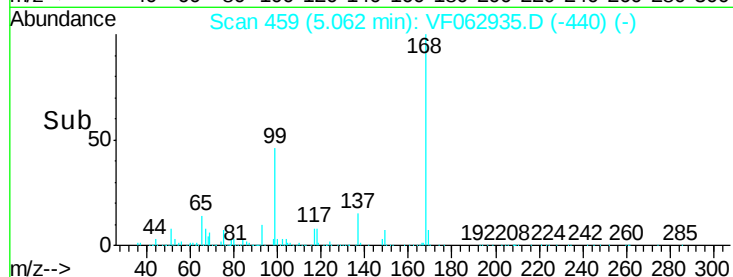
5.06

100000

50000

0

Time-->



#16

Acetone

Concen: 66.739 ug/l

RT: 2.35 min Scan# 184

Delta R.T. -0.01 min

Lab File: VF062935.D

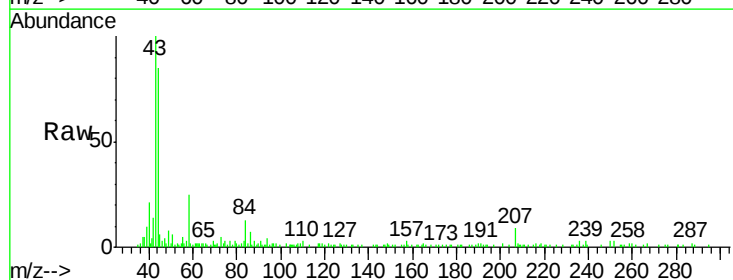
Acq: 12 Jun 2019 18:44

Tgt Ion: 43 Resp: 36471

Ion Ratio Lower Upper

43 100

58 25.0 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.35

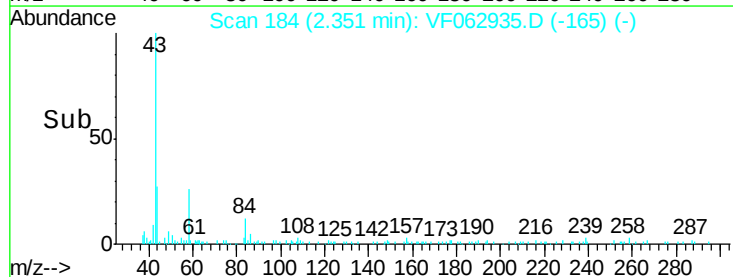
15000

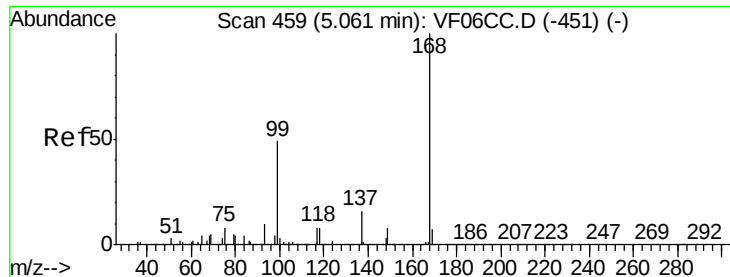
10000

5000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 51.667 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.02 min

Lab File: VF062935.D

Acq: 12 Jun 2019 18:44

Instrument :

MSVOA_F

ClientSampleId :

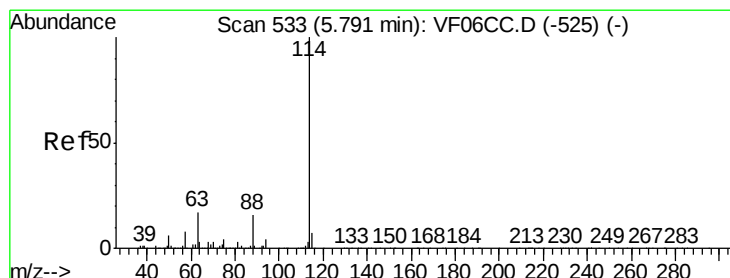
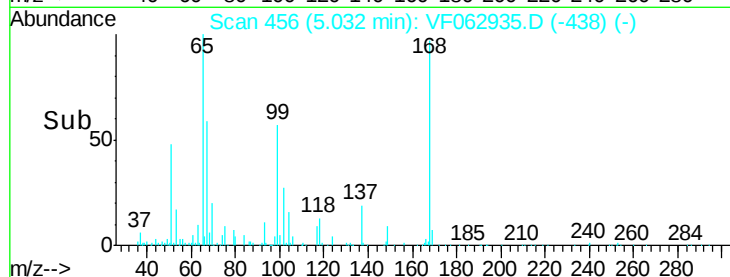
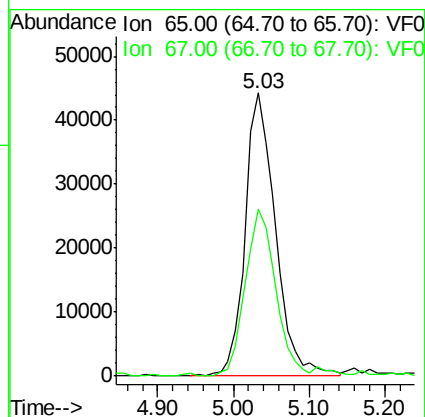
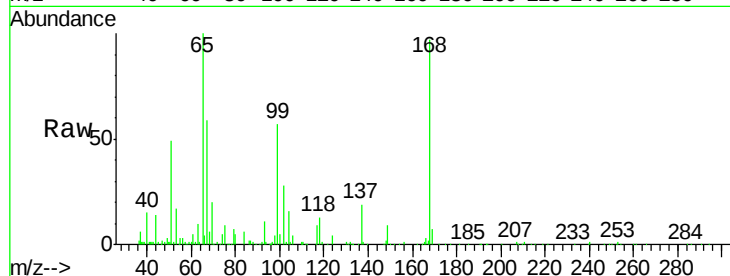
FK-0D015-03-008

Tot Ion: 65 Resp: 123362

Ion Ratio Lower Upper

65 100

67 59.1 0.0 121.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.03 min

Lab File: VF062935.D

Acq: 12 Jun 2019 18:44

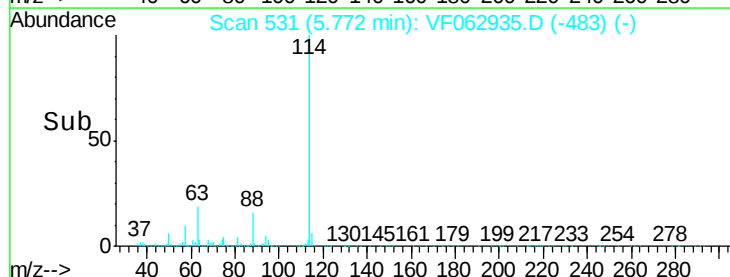
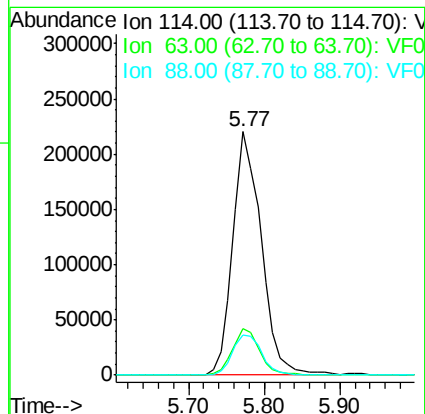
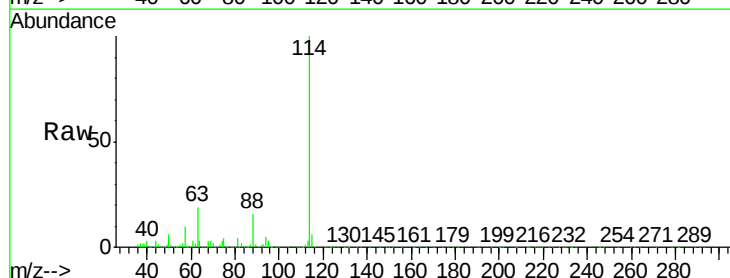
Tgt Ion: 114 Resp: 573596

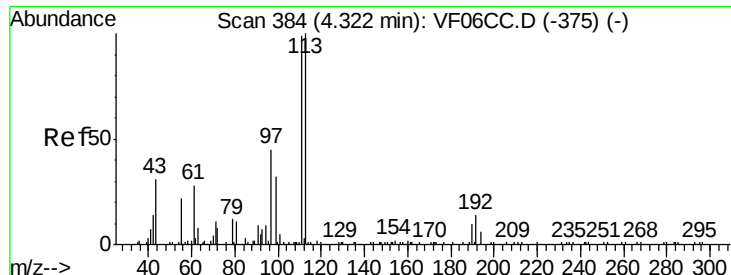
Ion Ratio Lower Upper

114 100

63 19.2 0.0 34.2

88 16.2 0.0 31.2





#35

Dibromofluoromethane

Concen: 1.689 ug/l

RT: 4.31 min Scan# 383

Delta R.T. -0.02 min

Lab File: VF062935.D

Acq: 12 Jun 2019 18:44

Instrument :

MSVOA_F

ClientSampleId :

FK-0D015-03-008

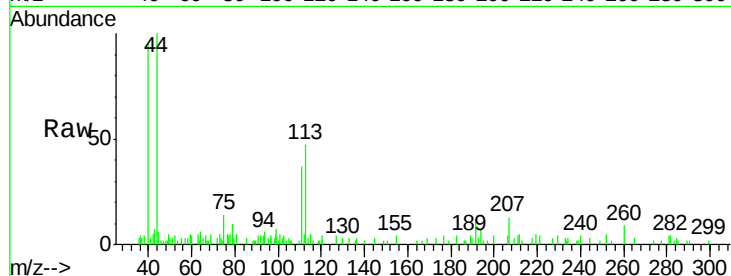
Tot Ion: 113 Resp: 7321

Ion Ratio Lower Upper

113 100

111 77.9 81.9 122.9#

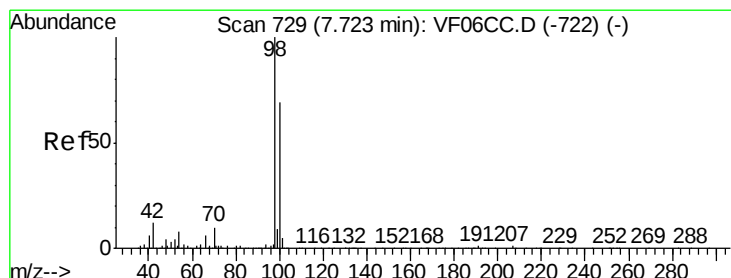
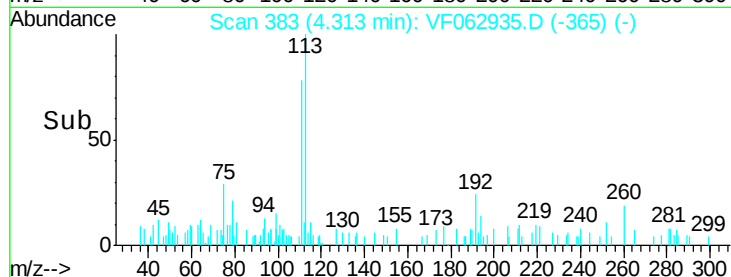
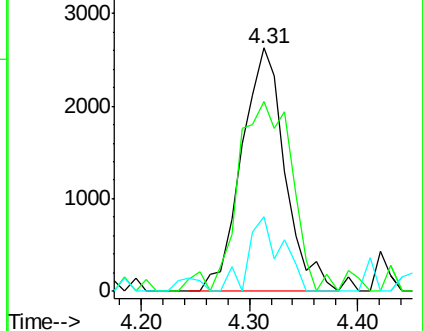
192 30.9 15.1 22.7#



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: 39.152 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.03 min

Lab File: VF062935.D

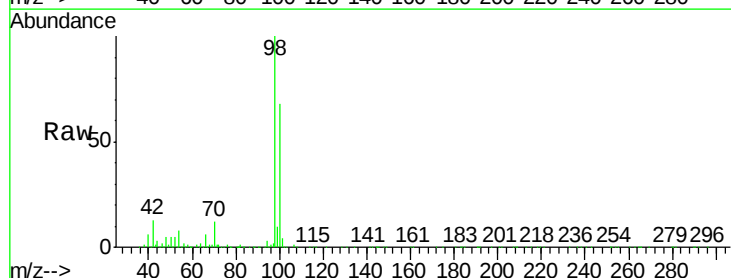
Acq: 12 Jun 2019 18:44

Tgt Ion: 98 Resp: 429137

Ion Ratio Lower Upper

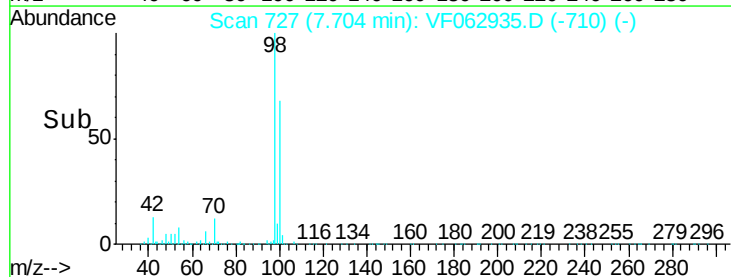
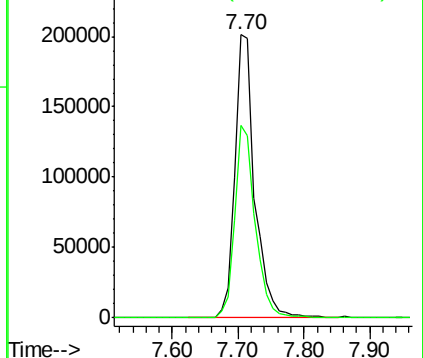
98 100

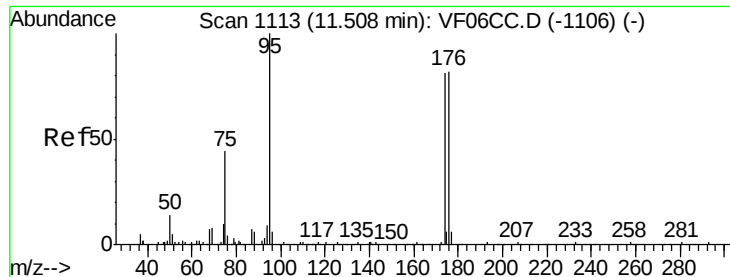
100 67.8 59.8 89.8



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#62

4-Bromofluorobenzene

Concen: 36.260 ug/l

RT: 11.49 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF062935.D

Acq: 12 Jun 2019 18:44

Instrument :

MSVOA_F

ClientSampleId :

FK-0D015-03-008

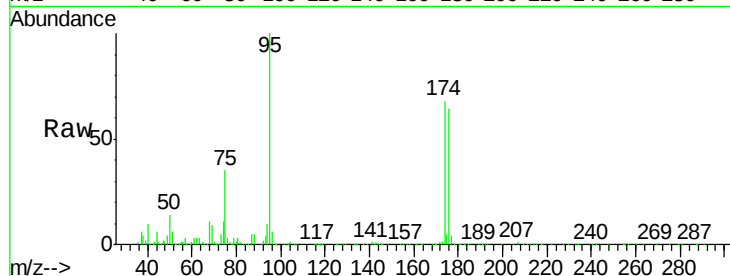
Tot Ion: 95 Resp: 142960

Ion Ratio Lower Upper

95 100

174 68.4 0.0 170.6

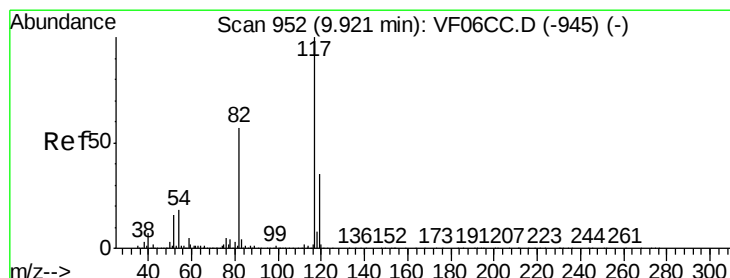
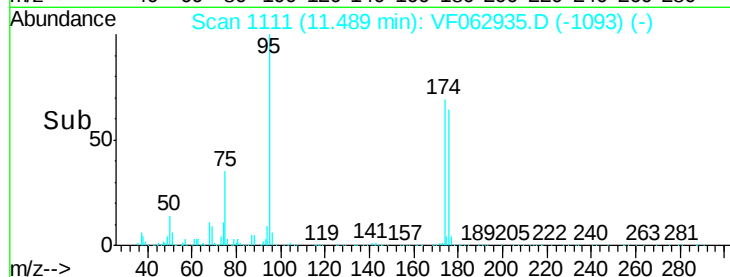
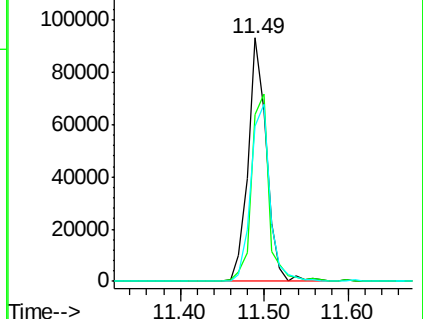
176 63.9 0.0 170.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 951

Delta R.T. -0.02 min

Lab File: VF062935.D

Acq: 12 Jun 2019 18:44

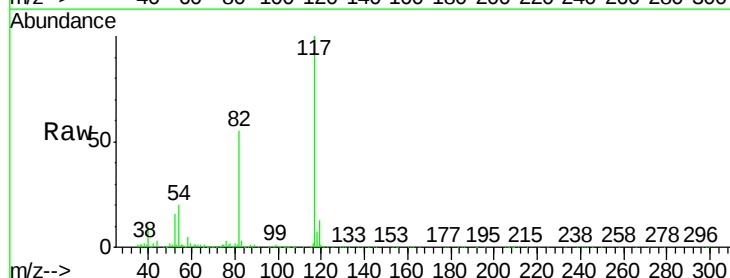
Tgt Ion: 117 Resp: 431180

Ion Ratio Lower Upper

117 100

82 55.1 42.4 63.6

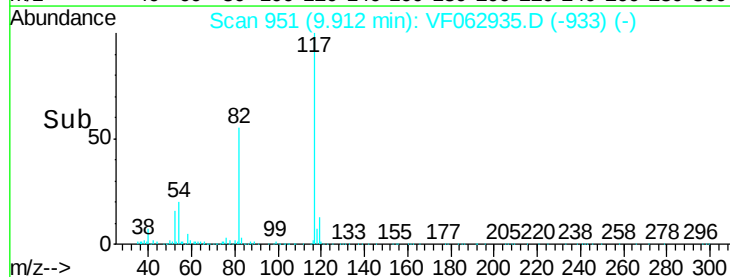
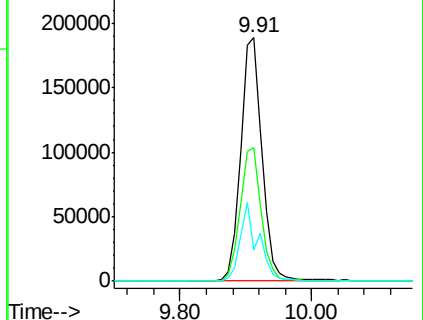
119 12.9 27.1 40.7#

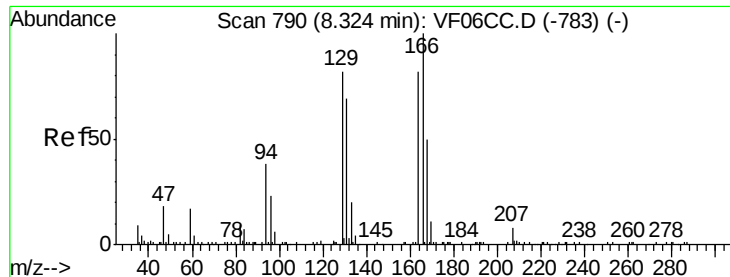


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#64

Tetrachloroethene

Concen: 1.171 ug/l

RT: 8.31 min Scan# 789

Delta R.T. -0.01 min

Lab File: VF062935.D

Acq: 12 Jun 2019 18:44

Instrument :

MSVOA_F

ClientSampleId :

FK-0D015-03-008

Tot Ion:164 Resp: 3881

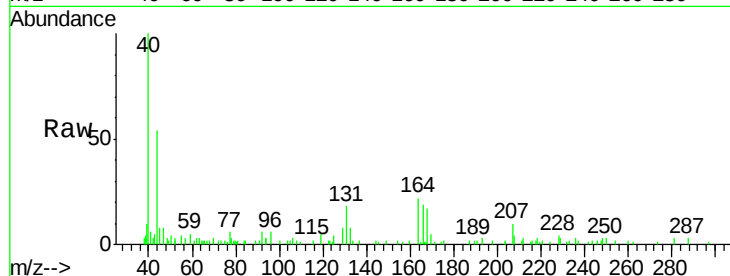
Ion Ratio Lower Upper

164 100

166 87.5 99.1 148.7#

129 38.8 69.5 104.3#

131 84.5 69.2 103.8

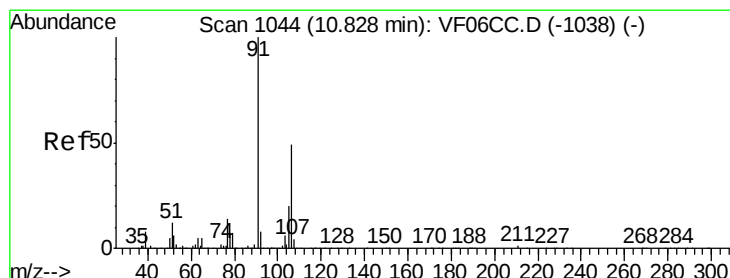
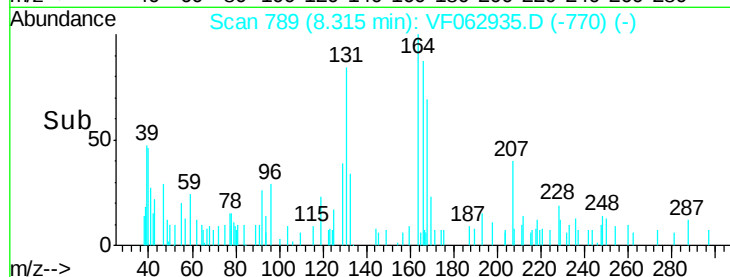
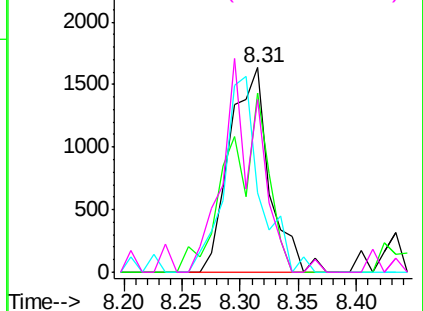


Abundance Ion 163.85 (163.55 to 164.55): V

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



#69

o-Xylene

Concen: 1.208 ug/l

RT: 10.81 min Scan# 1042

Delta R.T. -0.02 min

Lab File: VF062935.D

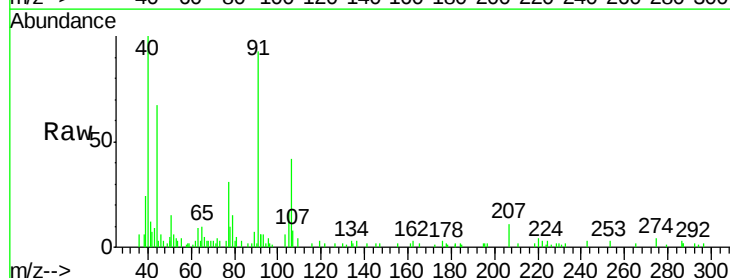
Acq: 12 Jun 2019 18:44

Tgt Ion:106 Resp: 6685

Ion Ratio Lower Upper

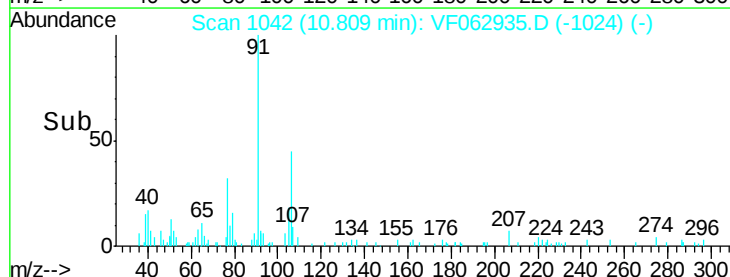
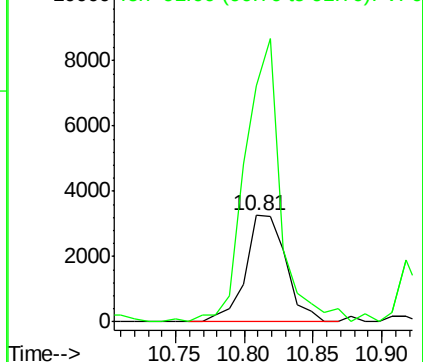
106 100

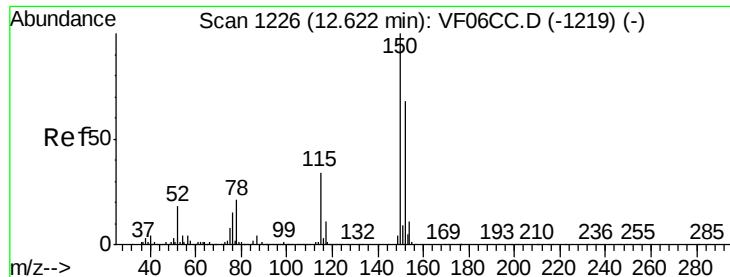
91 222.2 96.6 289.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.60 min Scan# 1224

Delta R.T. -0.02 min

Lab File: VF062935.D

Acq: 12 Jun 2019 18:44

Instrument :

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FK-0D015-03-008

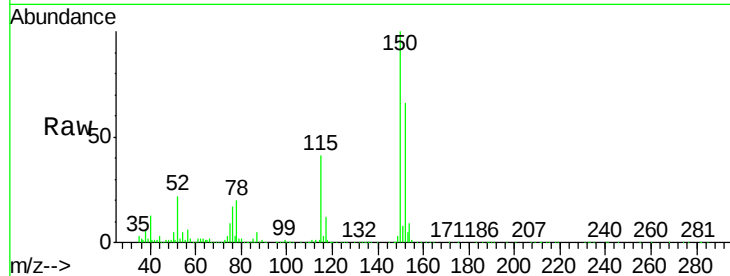
Tot Ion:152 Resp: 145296

Ion Ratio Lower Upper

152 100

115 61.9 24.6 74.0

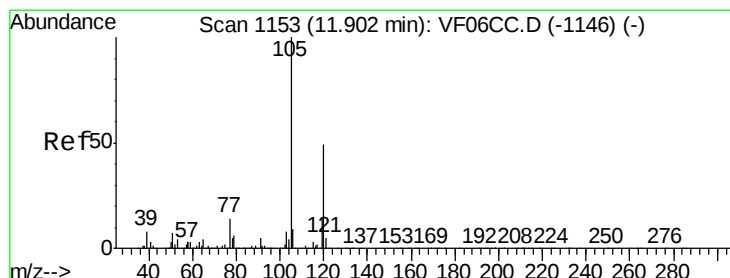
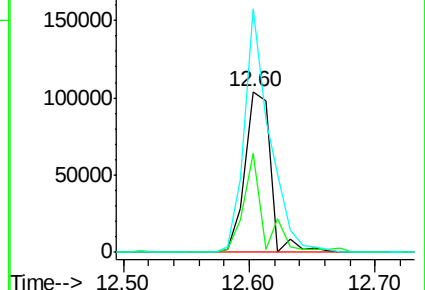
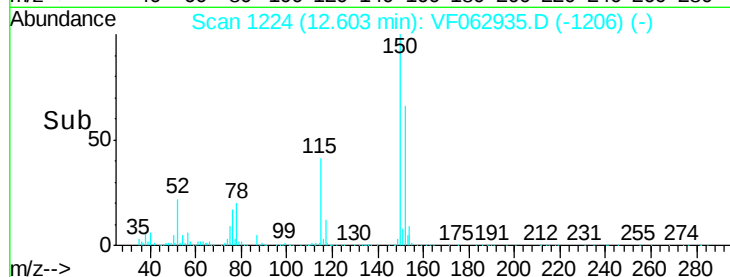
150 151.5 0.0 290.6



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



#80

1,3,5-Trimethylbenzene

Concen: 1.588 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.01 min

Lab File: VF062935.D

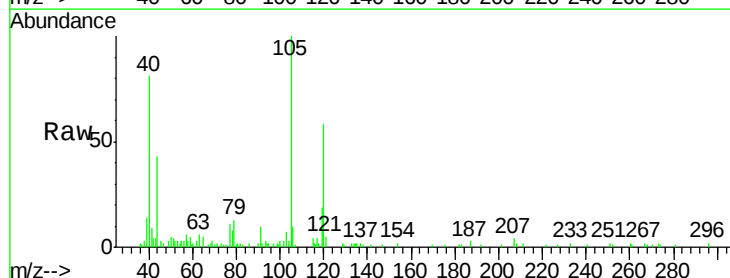
Acq: 12 Jun 2019 18:44

Tgt Ion:105 Resp: 13162

Ion Ratio Lower Upper

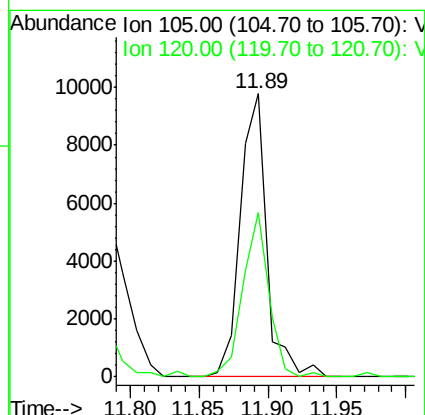
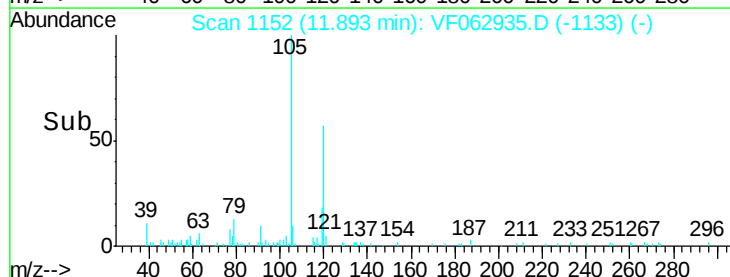
105 100

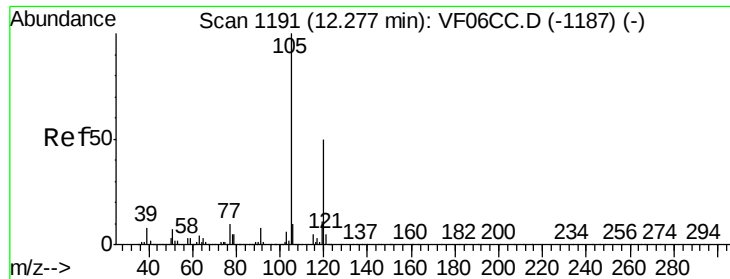
120 58.1 28.7 86.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#84

1,2,4-Trimethylbenzene

Concen: 6.749 ug/l

RT: 12.27 min Scan# 1190

Delta R.T. -0.01 min

Lab File: VF062935.D

Acq: 12 Jun 2019 18:44

Instrument :

MSVOA_F

ClientSampleId :

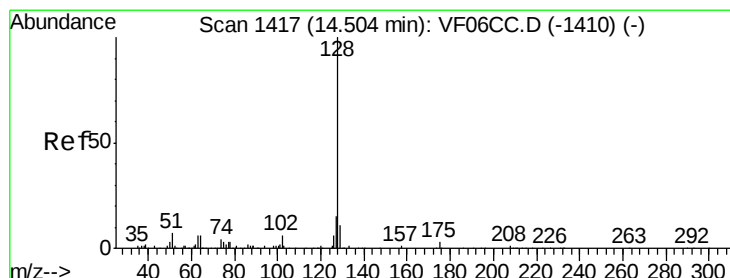
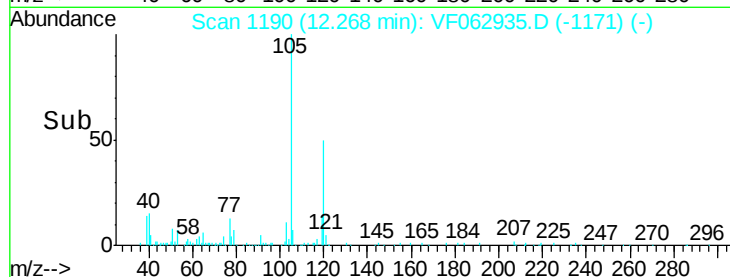
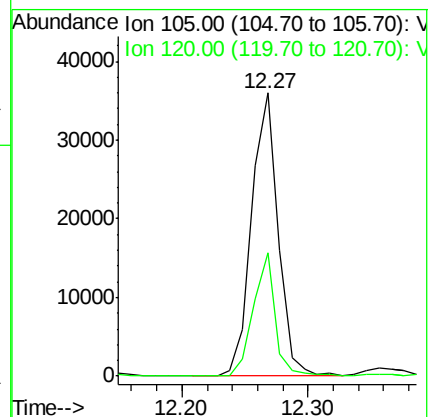
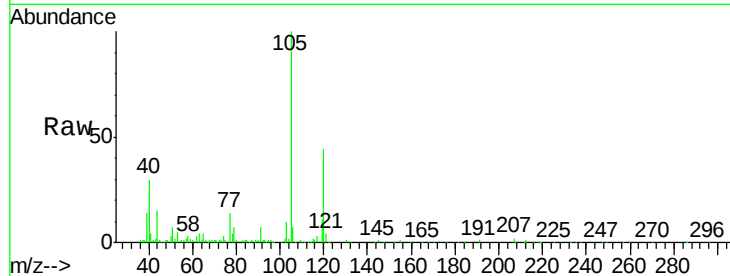
FK-0D015-03-008

Tot Ion:105 Resp: 53055

Ion Ratio Lower Upper

105 100

120 43.7 27.1 81.3



#95

Naphthalene

Concen: 3.255 ug/l

RT: 14.50 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VF062935.D

Acq: 12 Jun 2019 18:44

Tgt Ion:128 Resp: 14459

Ion Ratio Lower Upper

128 100

127 15.0 9.7 14.5#

129 10.4 9.4 14.2

