

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060519\
 Data File : VF062868.D
 Acq On : 5 Jun 2019 16:34
 Operator : FY/SY
 Sample : K3173-04RE
 Misc : 4.44g/5mL/MSVOA F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 FK-SF-02-004-BRE

Quant Time: Jun 06 08:21:45 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

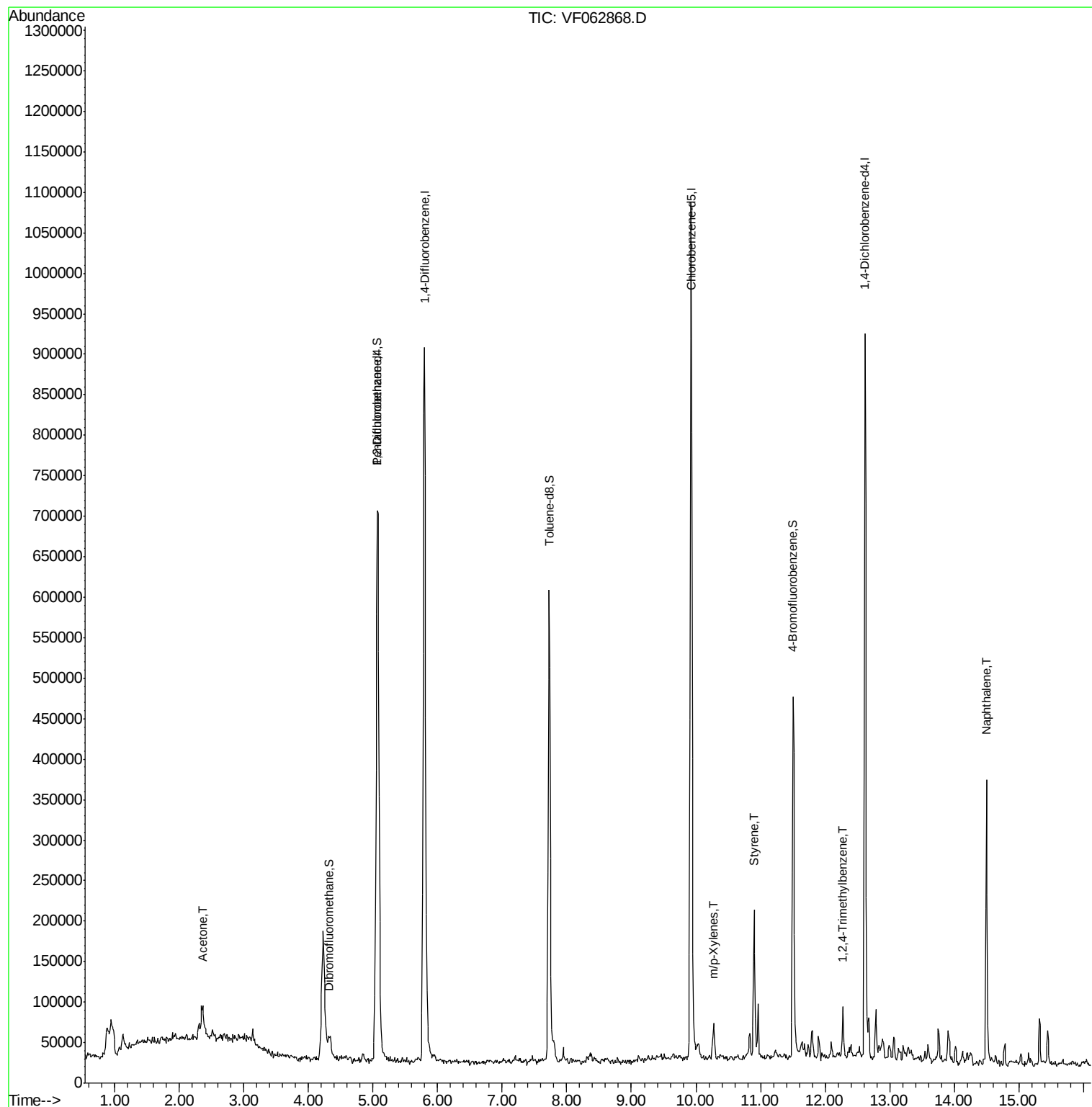
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	630900	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1141925	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	808194	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	228979	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.06	65	161999	37.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.26%	
35) Dibromofluoromethane	4.33	113	23574	2.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	5.46%	
50) Toluene-d8	7.73	98	530431	24.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	48.62%	
62) 4-Bromofluorobenzene	11.50	95	166929	21.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	42.54%	
Target Compounds						
16) Acetone	2.37	43	40763	40.823	ug/l #	90
68) m/p-Xylenes	10.27	106	14659	1.430	ug/l #	73
70) Styrene	10.90	104	100514	6.572	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	31866	2.572	ug/l	86
95) Naphthalene	14.50	128	235386	33.627	ug/l	99

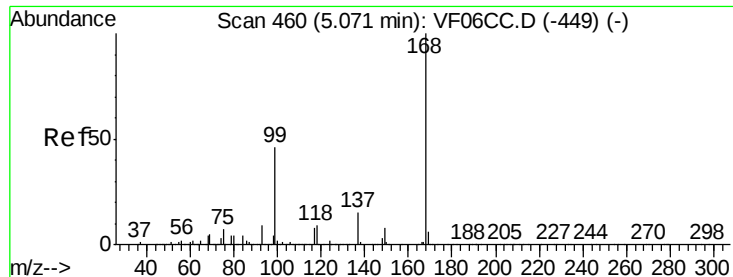
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. 0.00 min

Lab File: VF062868.D

Acq: 5 Jun 2019 16:34

Instrument :

MSVOA_F

ClientSampleId :

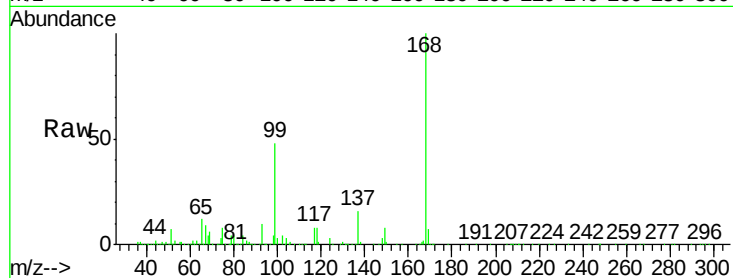
FK-SF-02-004-BRE

Tot Ion:168 Resp: 630900

Ion Ratio Lower Upper

168 100

99 48.4 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.08

250000

200000

150000

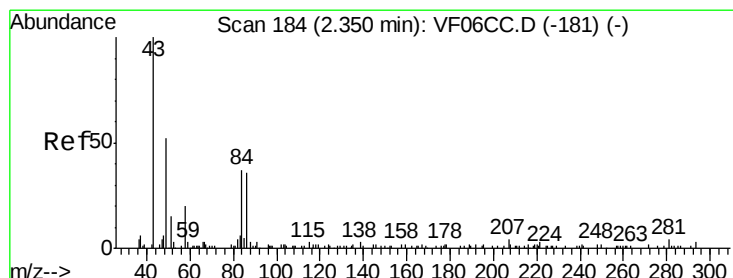
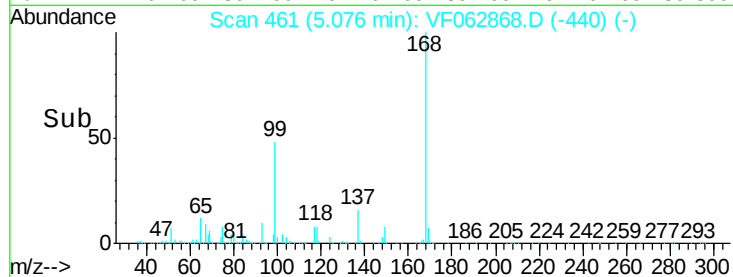
100000

50000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#16

Acetone

Concen: 40.823 ug/l

RT: 2.37 min Scan# 186

Delta R.T. 0.00 min

Lab File: VF062868.D

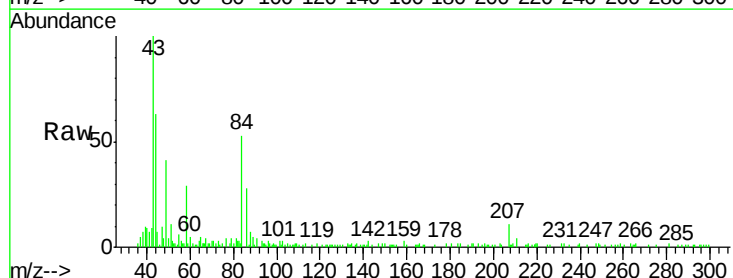
Acq: 5 Jun 2019 16:34

Tgt Ion: 43 Resp: 40763

Ion Ratio Lower Upper

43 100

58 28.6 19.0 28.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.37

15000

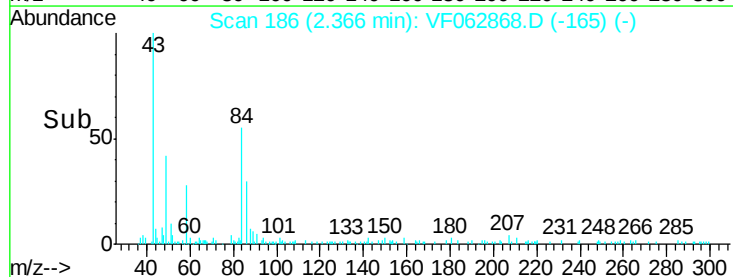
10000

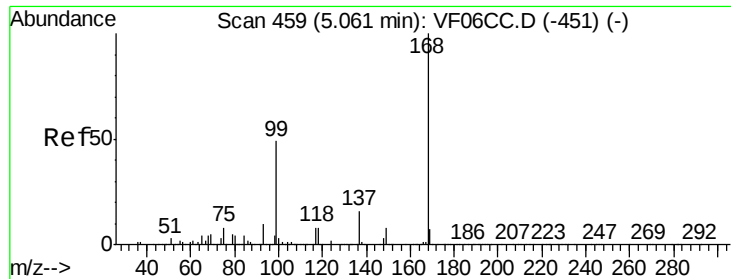
5000

0

Time-->

2.30 2.40 2.50





#33

1,2-Dichloroethane-d4

Concen: 37.133 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.00 min

Lab File: VF062868.D

Acq: 5 Jun 2019 16:34

Instrument :

MSVOA_F

ClientSampleId :

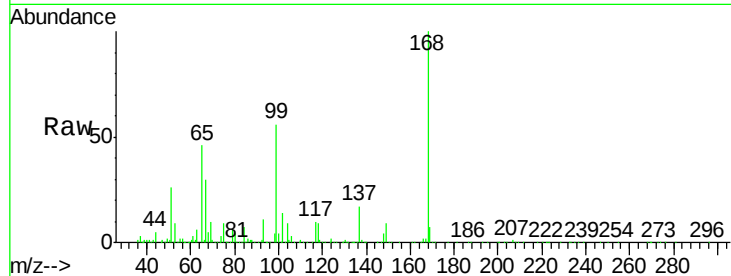
FK-SF-02-004-BRE

Tot Ion: 65 Resp: 161999

Ion Ratio Lower Upper

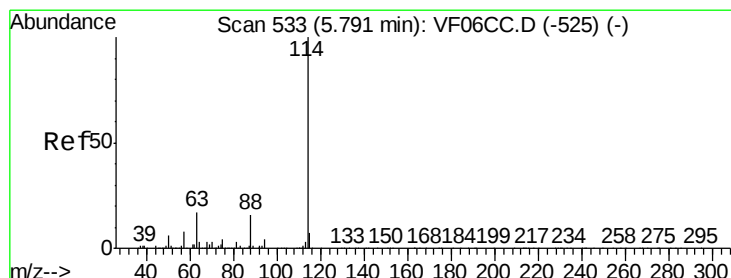
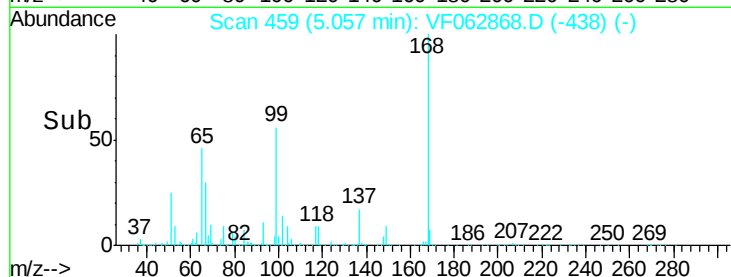
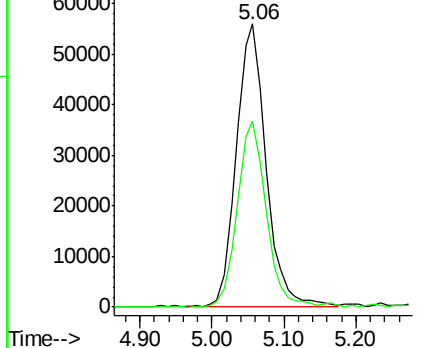
65 100

67 65.8 0.0 121.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.80 min Scan# 534

Delta R.T. -0.01 min

Lab File: VF062868.D

Acq: 5 Jun 2019 16:34

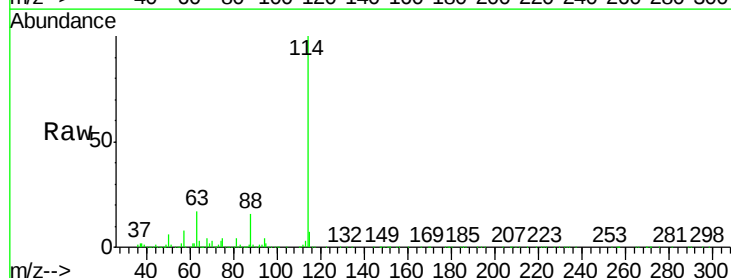
Tgt Ion:114 Resp: 1141925

Ion Ratio Lower Upper

114 100

63 17.0 0.0 34.2

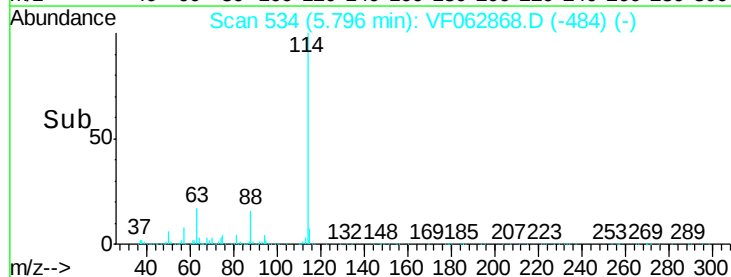
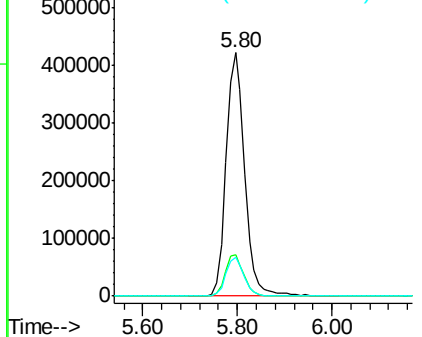
88 15.9 0.0 31.2

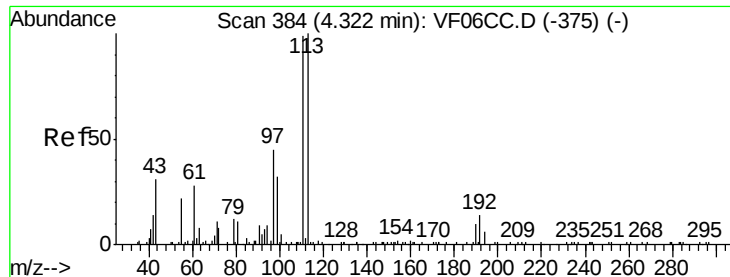


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

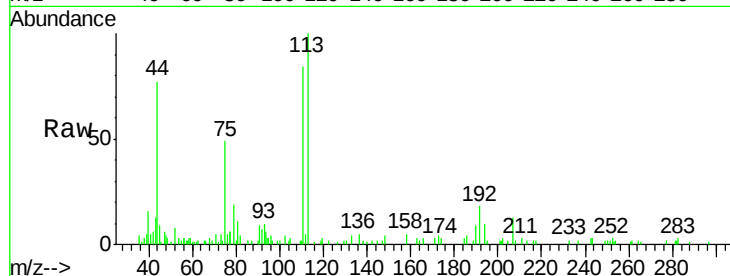




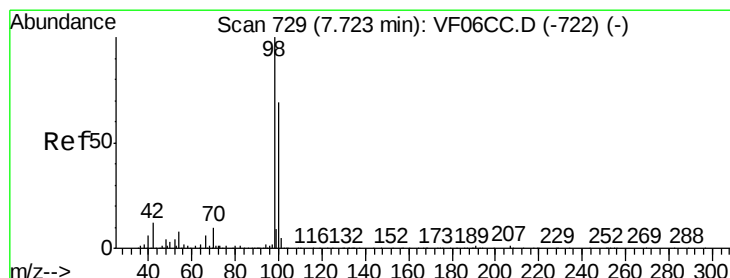
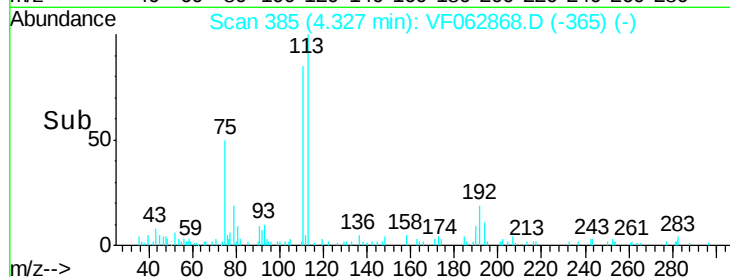
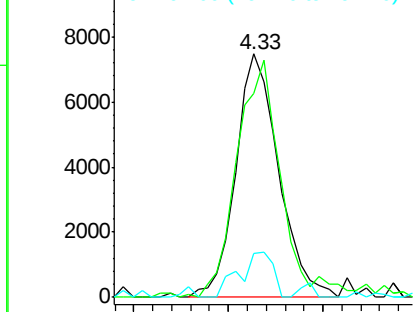
#35
Dibromofluoromethane
Concen: 2.732 ug/l
RT: 4.33 min Scan# 385
Delta R.T. -0.01 min
Lab File: VF062868.D
Acq: 5 Jun 2019 16:34

Instrument :
MSVOA_F
ClientSampleId :
FK-SF-02-004-BRE

Tot Ion: 113 Resp: 23574
Ion Ratio Lower Upper
113 100
111 83.7 81.9 122.9
192 18.3 15.1 22.7

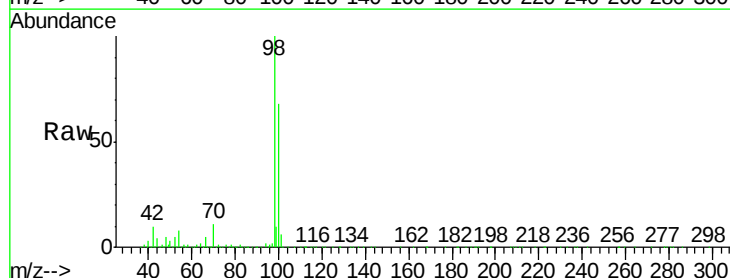


Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V

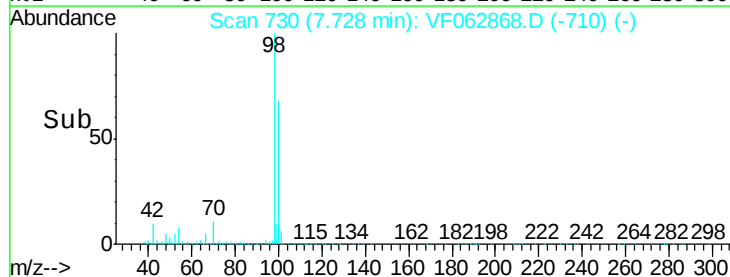
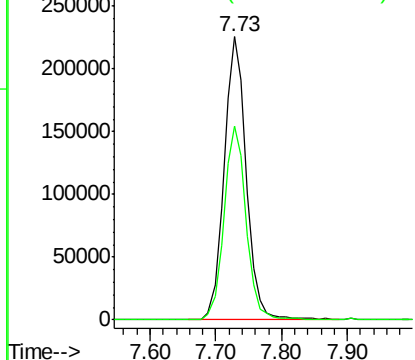


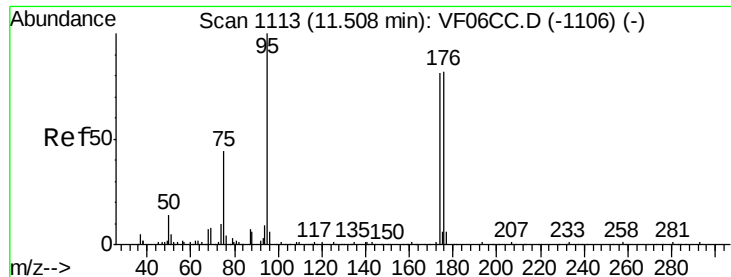
#50
Toluene-d8
Concen: 24.309 ug/l
RT: 7.73 min Scan# 730
Delta R.T. -0.01 min
Lab File: VF062868.D
Acq: 5 Jun 2019 16:34

Tgt Ion: 98 Resp: 530431
Ion Ratio Lower Upper
98 100
100 68.3 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: 21.267 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF062868.D

Acq: 5 Jun 2019 16:34

Instrument :

MSVOA_F

ClientSampleId :

FK-SF-02-004-BRE

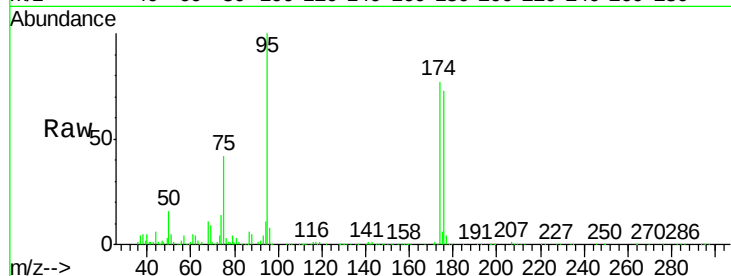
Tot Ion: 95 Resp: 166929

Ion Ratio Lower Upper

95 100

174 76.8 0.0 170.6

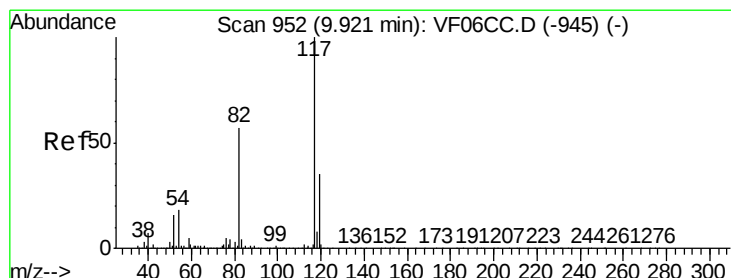
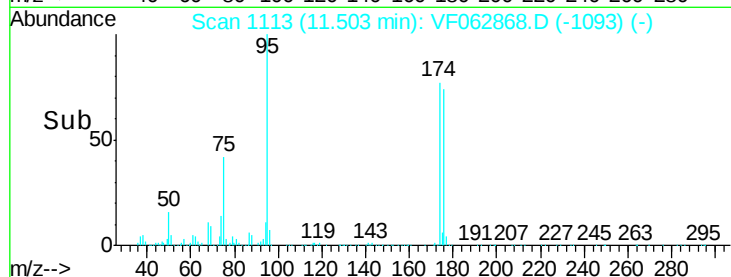
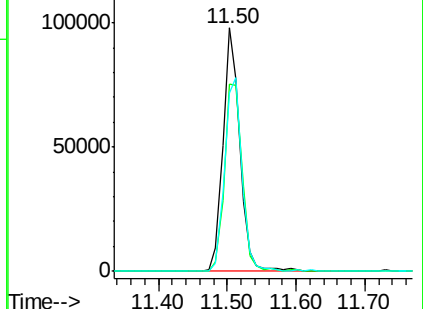
176 73.3 0.0 170.6



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: 9.93 min Scan# 953

Delta R.T. -0.01 min

Lab File: VF062868.D

Acq: 5 Jun 2019 16:34

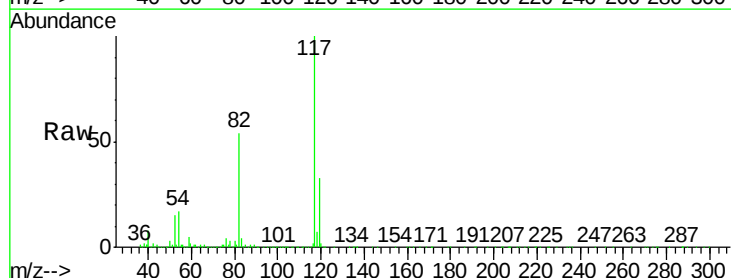
Tgt Ion: 117 Resp: 808194

Ion Ratio Lower Upper

117 100

82 53.8 42.4 63.6

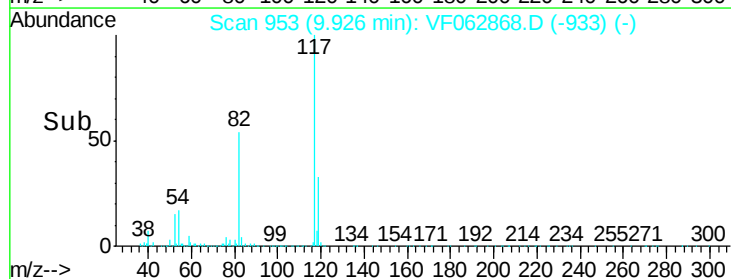
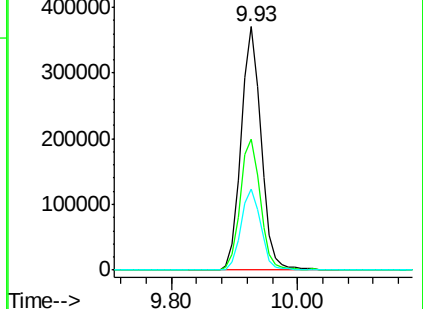
119 33.1 27.1 40.7

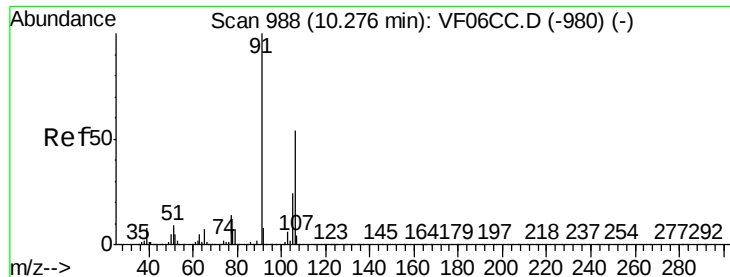


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#68

m/p-Xylenes

Concen: 1.430 ug/l

RT: 10.27 min Scan# 988

Delta R.T. -0.01 min

Lab File: VF062868.D

Acq: 5 Jun 2019 16:34

Instrument :

MSVOA_F

ClientSampleId :

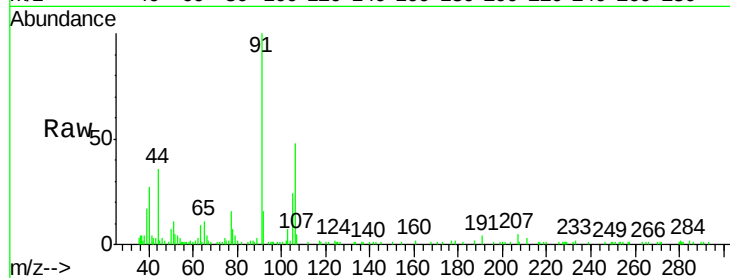
FK-SF-02-004-BRE

Tot Ion:106 Resp: 14659

Ion Ratio Lower Upper

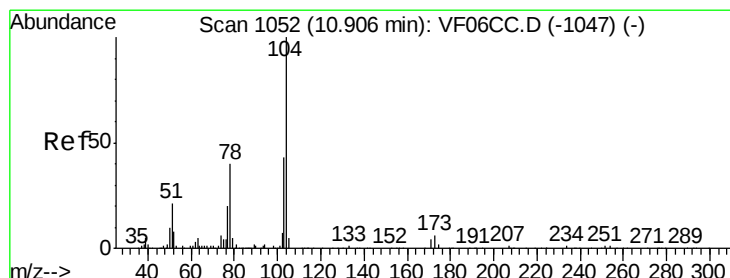
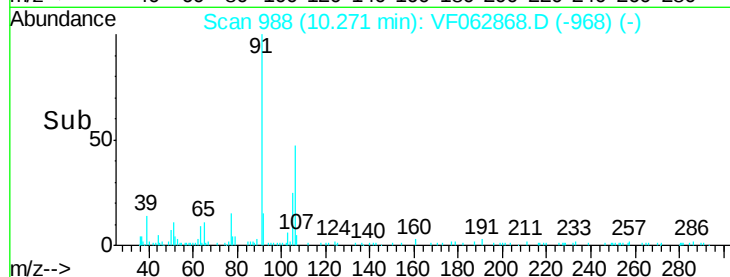
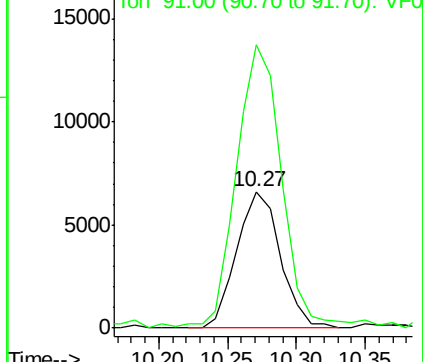
106 100

91 206.9 136.2 204.4#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#70

Styrene

Concen: 6.572 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VF062868.D

Acq: 5 Jun 2019 16:34

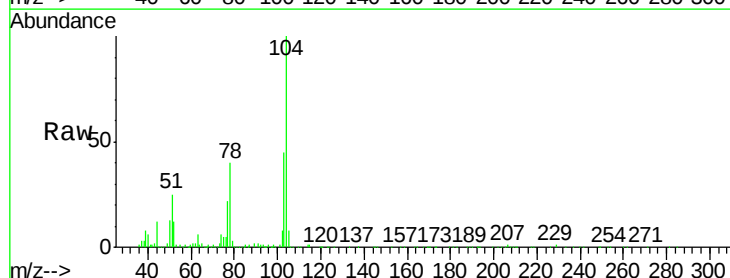
Tgt Ion:104 Resp: 100514

Ion Ratio Lower Upper

104 100

78 40.0 30.8 46.2

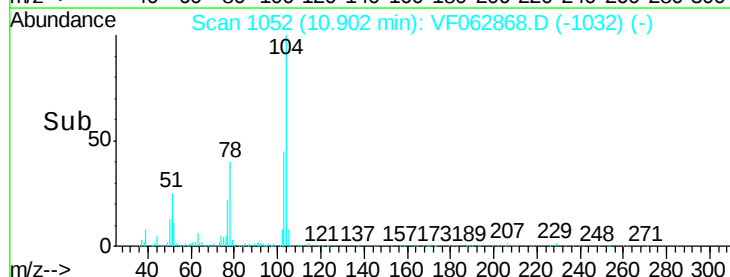
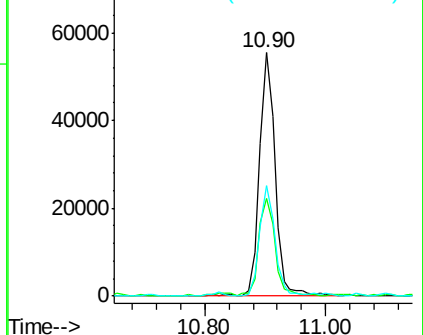
103 45.4 35.8 53.6

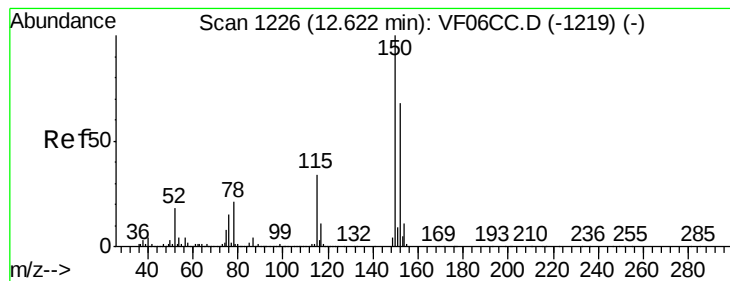


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VF0

Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. -0.01 min

Lab File: VF062868.D

Acq: 5 Jun 2019 16:34

Instrument :

MSVOA_F

ClientSampleId :

FK-SF-02-004-BRE

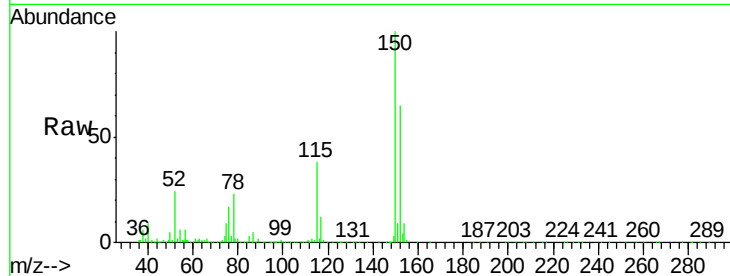
Tot Ion:152 Resp: 228979

Ion Ratio Lower Upper

152 100

115 58.4 24.6 74.0

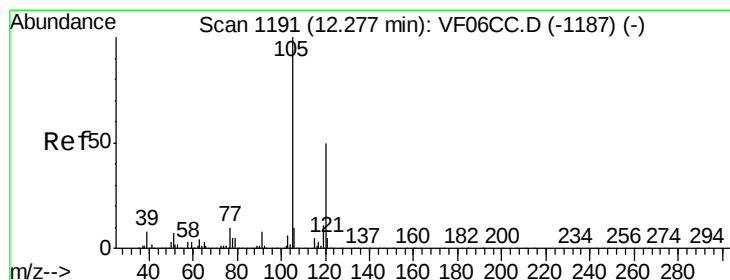
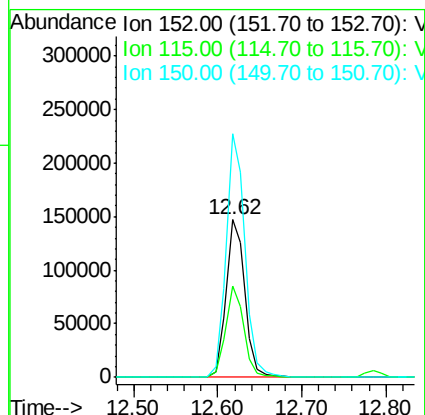
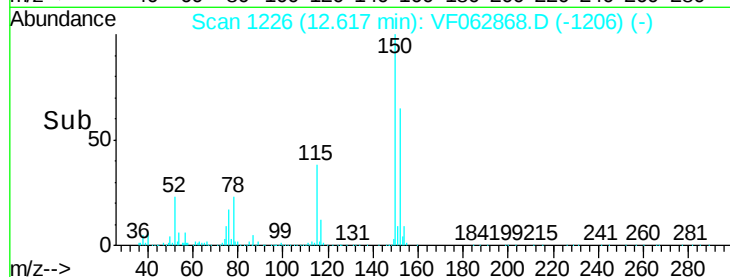
150 154.6 0.0 290.6



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



#84

1,2,4-Trimethylbenzene

Concen: 2.572 ug/l

RT: 12.27 min Scan# 1191

Delta R.T. -0.01 min

Lab File: VF062868.D

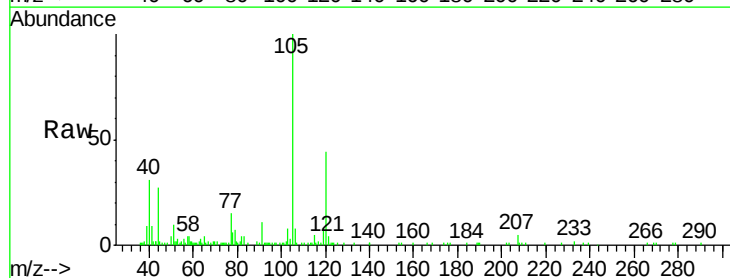
Acq: 5 Jun 2019 16:34

Tgt Ion:105 Resp: 31866

Ion Ratio Lower Upper

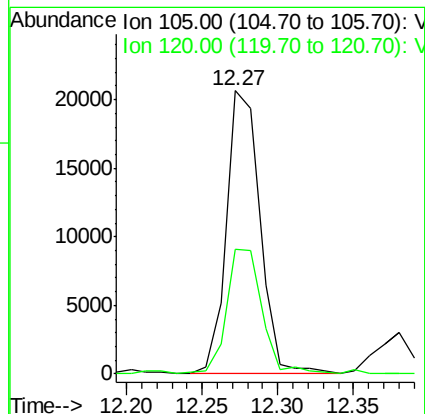
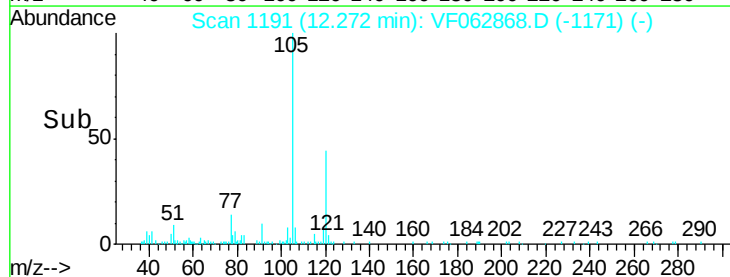
105 100

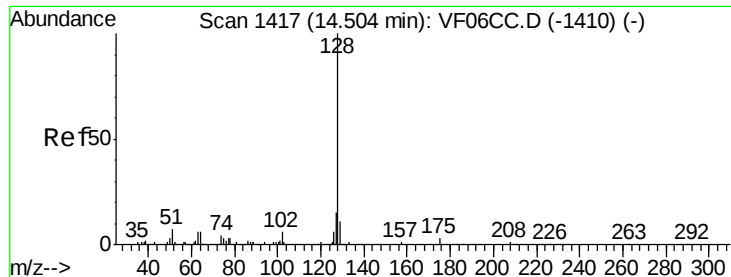
120 44.1 27.1 81.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95
 Naphthalene
 Concen: 33.627 ug/l
 RT: 14.50 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VF062868.D
 Acq: 5 Jun 2019 16:34

Instrument :
 MSVOA_F
 ClientSampleId :
 FK-SF-02-004-BRE

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	9.7	14.5
129	11.6	9.4	14.2

