

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060519\
 Data File : VF062869.D
 Acq On : 5 Jun 2019 17:02
 Operator : FY/SY
 Sample : K3172-02RE
 Misc : 4.22g/5mL/MSVOA F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 FK-SF-01-005-ARE

Quant Time: Jun 06 08:23:26 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

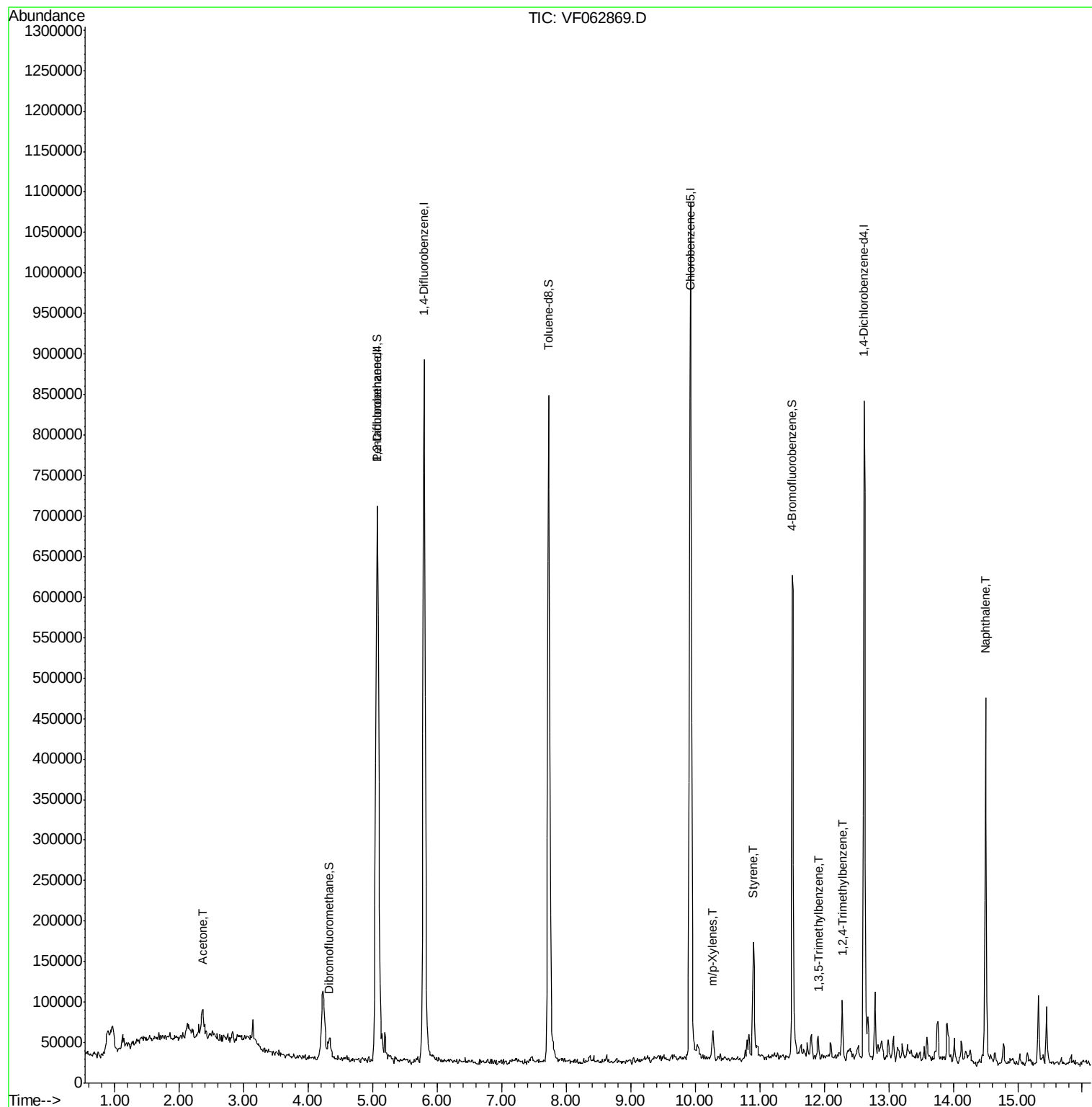
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	614241	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1068270	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	783471	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	208353	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.06	65	202008	47.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.12%	
35) Dibromofluoromethane	4.33	113	20484	2.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	5.08%	
50) Toluene-d8	7.73	98	742250	36.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.72%	
62) 4-Bromofluorobenzene	11.50	95	225608	30.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	61.44%	
Target Compounds						
16) Acetone	2.37	43	26191	26.941	ug/l	96
68) m/p-Xylenes	10.28	106	12667	1.275	ug/l	94
70) Styrene	10.90	104	72149	4.866	ug/l	92
80) 1,3,5-Trimethylbenzene	11.91	105	12823	1.079	ug/l	93
84) 1,2,4-Trimethylbenzene	12.28	105	36767	3.262	ug/l	87
95) Naphthalene	14.50	128	298014	46.789	ug/l	99

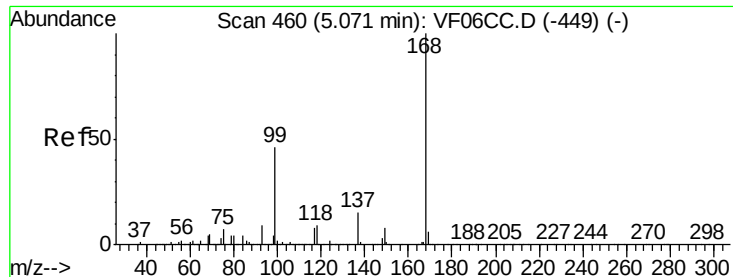
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.08 min Scan# 461

Delta R.T. 0.00 min

Lab File: VF062869.D

Acq: 5 Jun 2019 17:02

Instrument :

MSVOA_F

ClientSampleId :

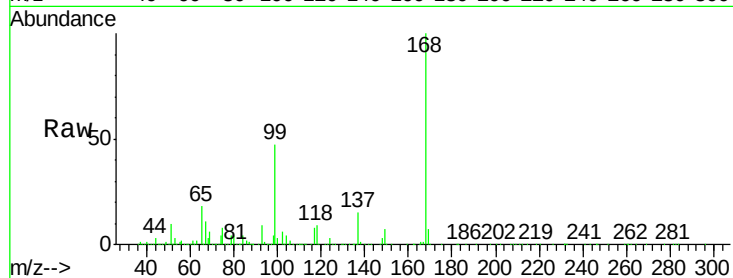
FK-SF-01-005-ARE

Tot Ion:168 Resp: 614241

Ion Ratio Lower Upper

168 100

99 46.6 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

200000

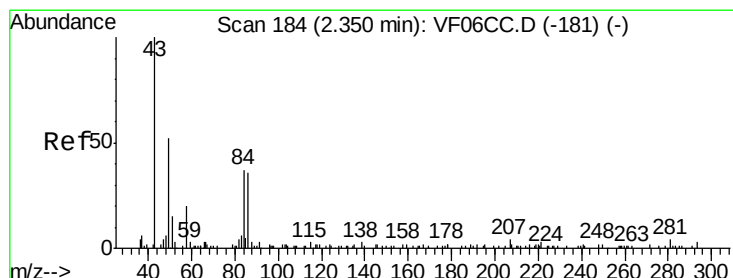
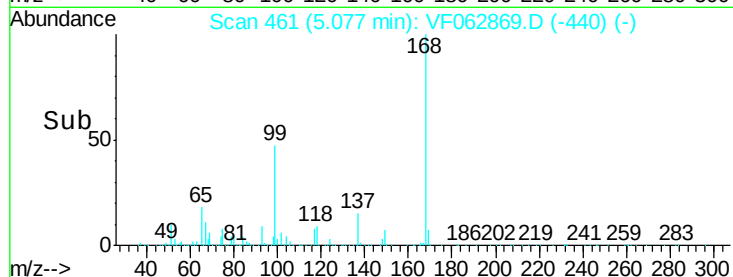
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 26.941 ug/l

RT: 2.37 min Scan# 186

Delta R.T. 0.00 min

Lab File: VF062869.D

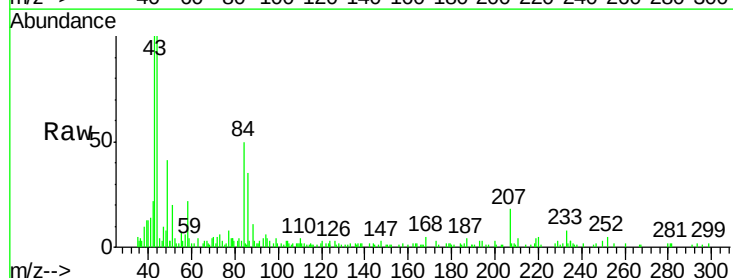
Acq: 5 Jun 2019 17:02

Tgt Ion: 43 Resp: 26191

Ion Ratio Lower Upper

43 100

58 21.9 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

12000

10000

8000

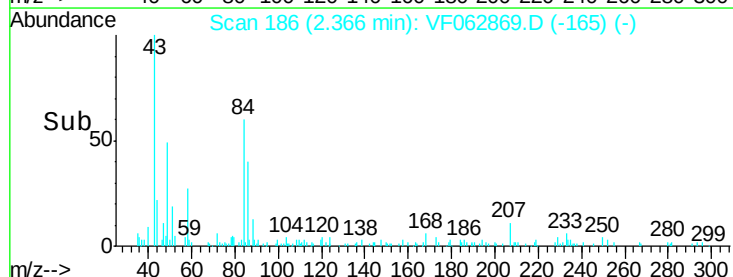
6000

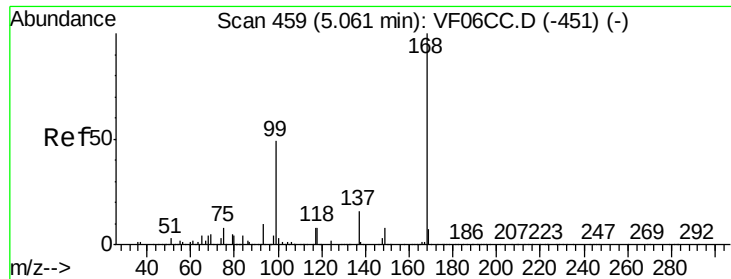
4000

2000

0

Time-->

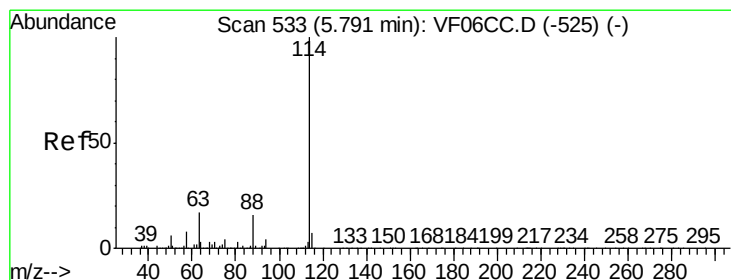
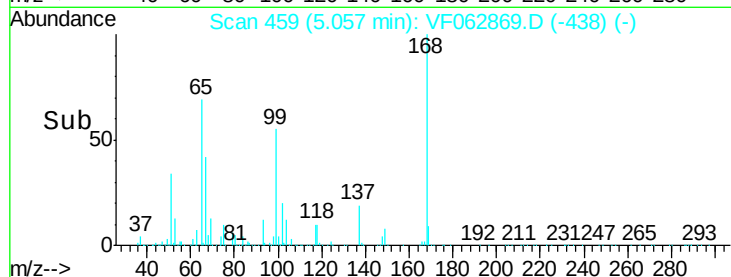
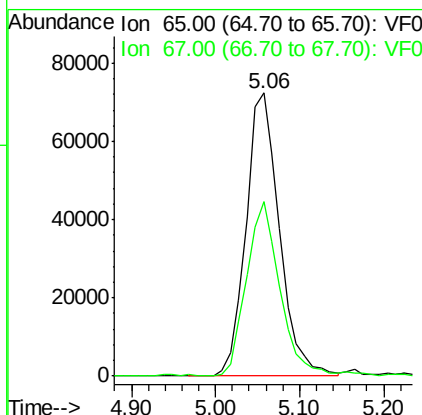
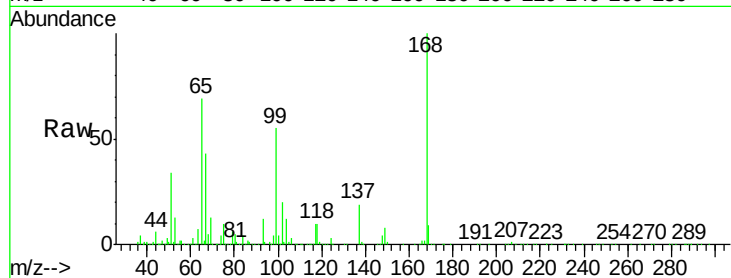




#33
 1,2-Dichloroethane-d4
 Concen: 47.559 ug/l
 RT: 5.06 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VF062869.D
 Acq: 5 Jun 2019 17:02

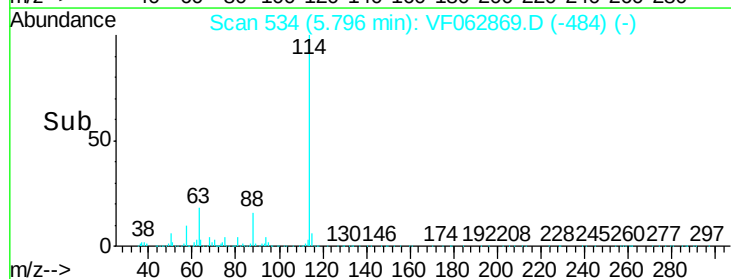
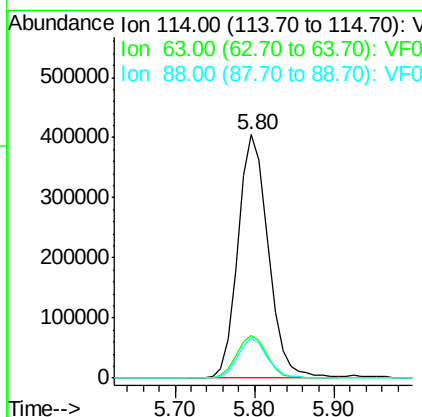
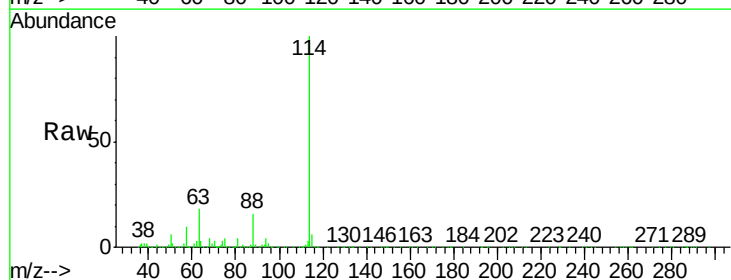
Instrument :
 MSVOA_F
 ClientSampleId :
 FK-SF-01-005-ARE

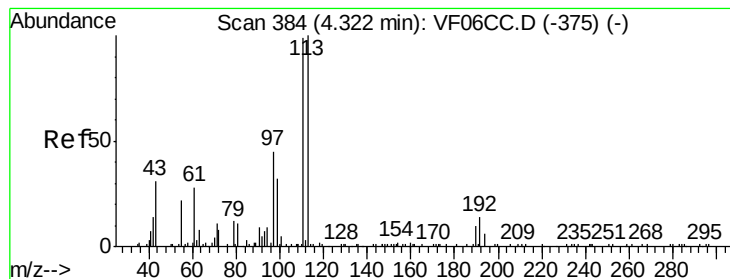
Tot Ion: 65 Resp: 202008
 Ion Ratio Lower Upper
 65 100
 67 61.6 0.0 121.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.80 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VF062869.D
 Acq: 5 Jun 2019 17:02

Tgt Ion:114 Resp: 1068270
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 34.2
 88 16.5 0.0 31.2





#35

Dibromofluoromethane

Concen: 2.538 ug/l

RT: 4.33 min Scan# 385

Delta R.T. -0.01 min

Lab File: VF062869.D

Acq: 5 Jun 2019 17:02

Instrument :

MSVOA_F

ClientSampleId :

FK-SF-01-005-ARE

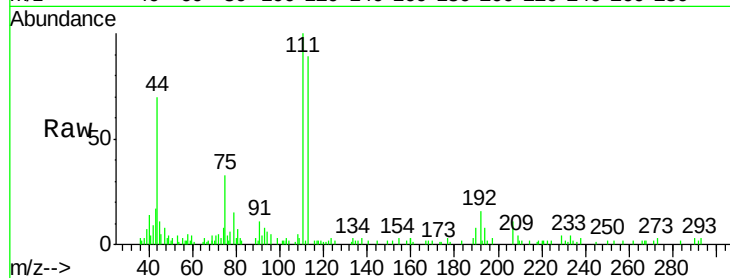
Tot Ion:113 Resp: 20484

Ion	Ratio	Lower	Upper
113	100		
111	115.4	81.9	122.9
192	18.1	15.1	22.7

113 100

111 115.4 81.9 122.9

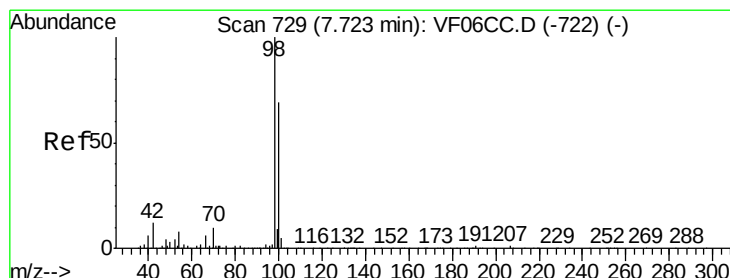
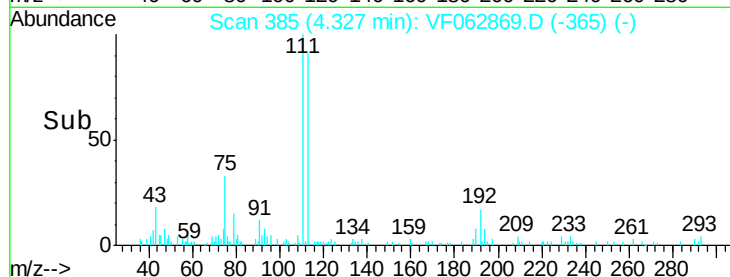
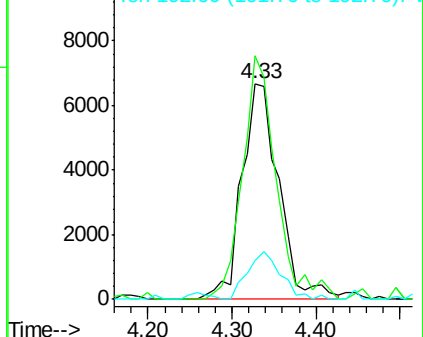
192 18.1 15.1 22.7



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: 36.361 ug/l

RT: 7.73 min Scan# 730

Delta R.T. -0.01 min

Lab File: VF062869.D

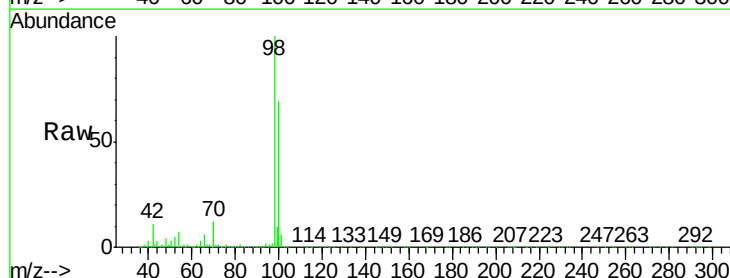
Acq: 5 Jun 2019 17:02

Tgt Ion: 98 Resp: 742250

Ion	Ratio	Lower	Upper
98	100		
100	69.3	59.8	89.8

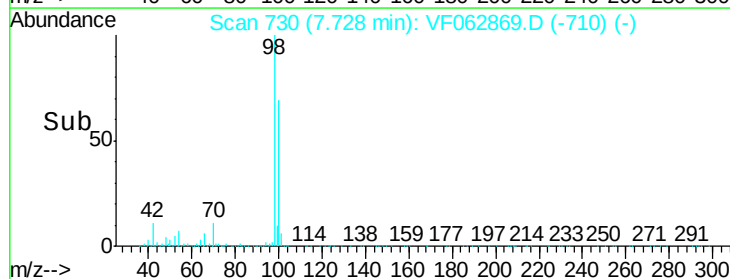
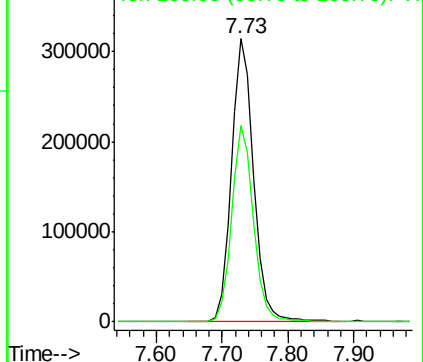
98 100

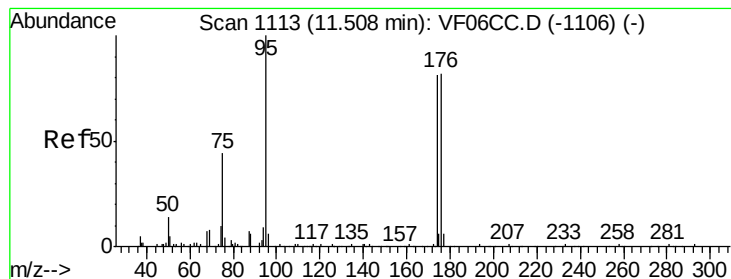
100 69.3 59.8 89.8



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#62

4-Bromofluorobenzene

Concen: 30.725 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF062869.D

Acq: 5 Jun 2019 17:02

Instrument :

MSVOA_F

ClientSampleId :

FK-SF-01-005-ARE

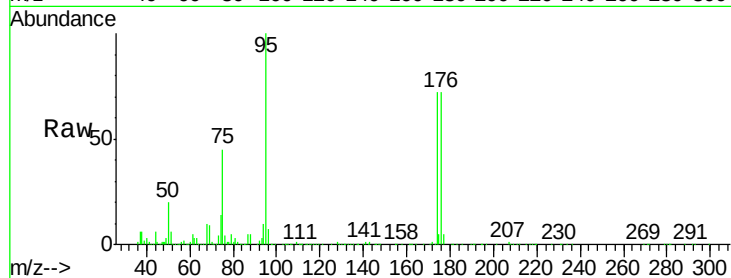
Tot Ion: 95 Resp: 225608

Ion Ratio Lower Upper

95 100

174 72.2 0.0 170.6

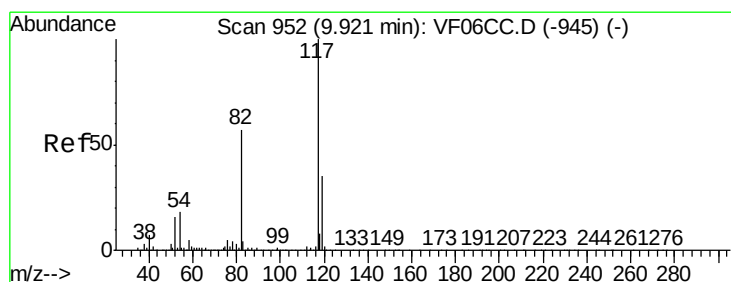
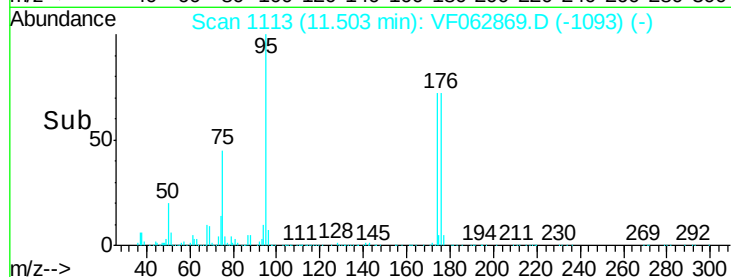
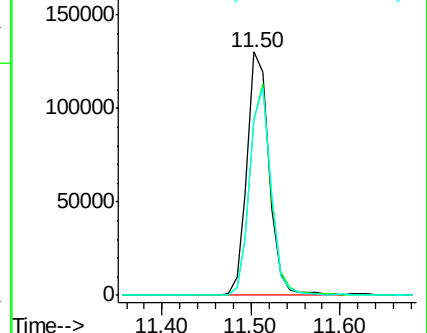
176 72.0 0.0 170.6



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: VF062869.D

Acq: 5 Jun 2019 17:02

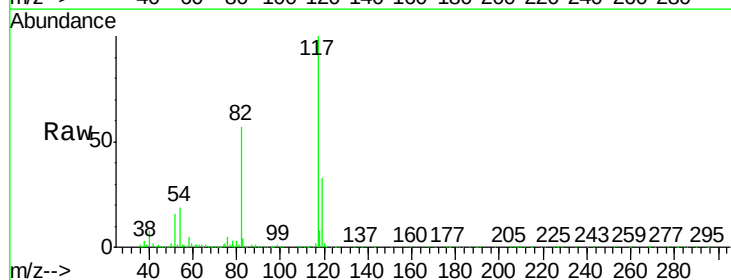
Tgt Ion: 117 Resp: 783471

Ion Ratio Lower Upper

117 100

82 56.7 42.4 63.6

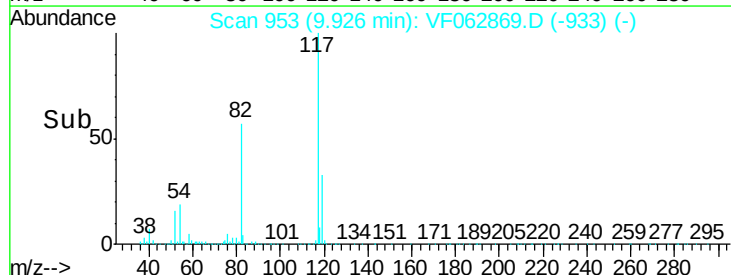
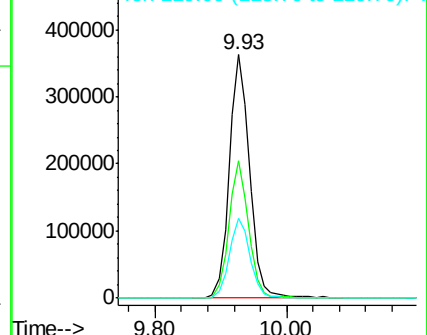
119 33.0 27.1 40.7

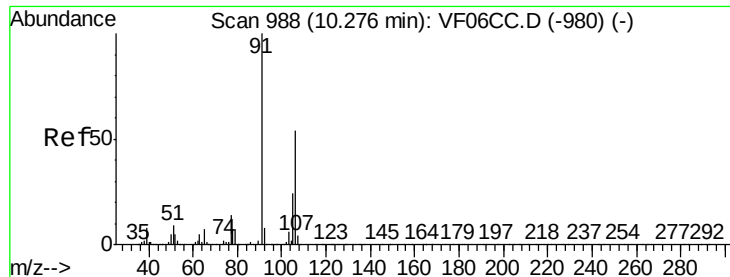


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#68

m/p-Xylenes

Concen: 1.275 ug/l

RT: 10.28 min Scan# 989

Delta R.T. 0.00 min

Lab File: VF062869.D

Acq: 5 Jun 2019 17:02

Instrument :

MSVOA_F

ClientSampleId :

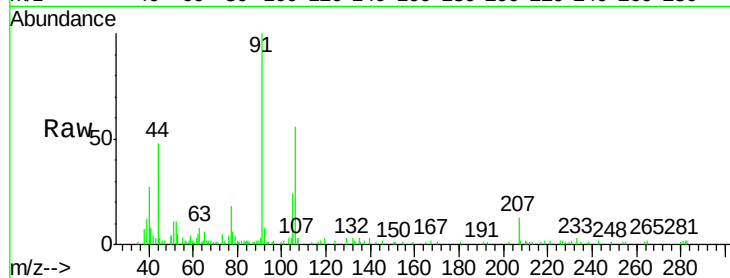
FK-SF-01-005-ARE

Tot Ion:106 Resp: 12667

Ion Ratio Lower Upper

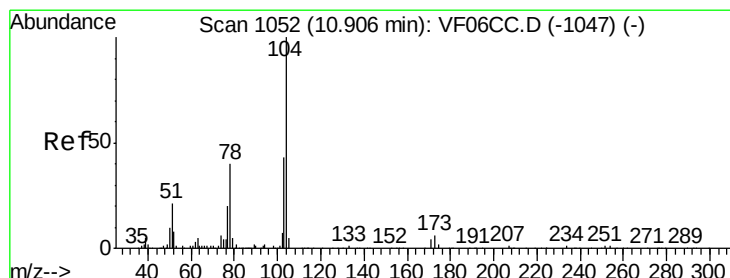
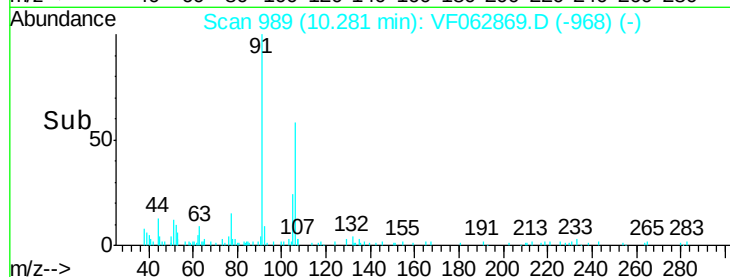
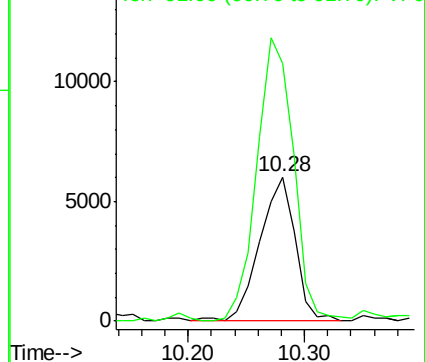
106 100

91 179.2 136.2 204.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#70

Styrene

Concen: 4.866 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VF062869.D

Acq: 5 Jun 2019 17:02

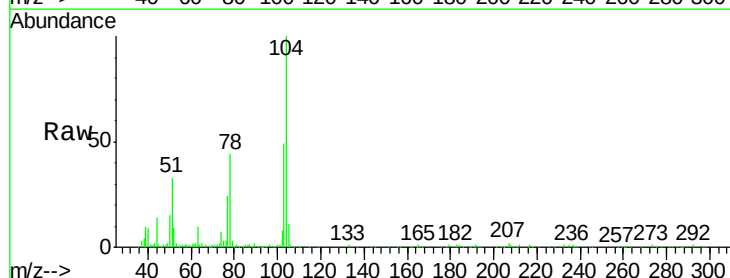
Tgt Ion:104 Resp: 72149

Ion Ratio Lower Upper

104 100

78 44.1 30.8 46.2

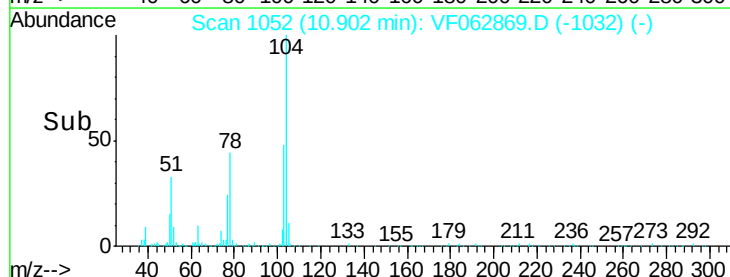
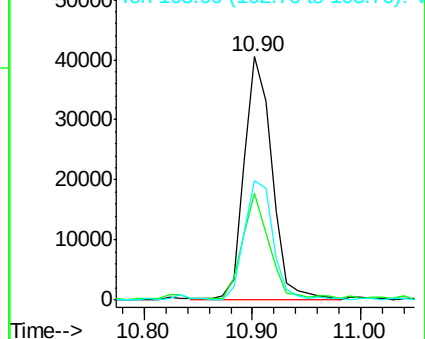
103 49.0 35.8 53.6

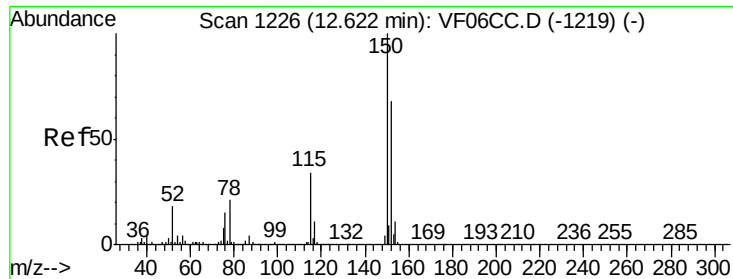


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VF0

Ion 103.00 (102.70 to 103.70): V



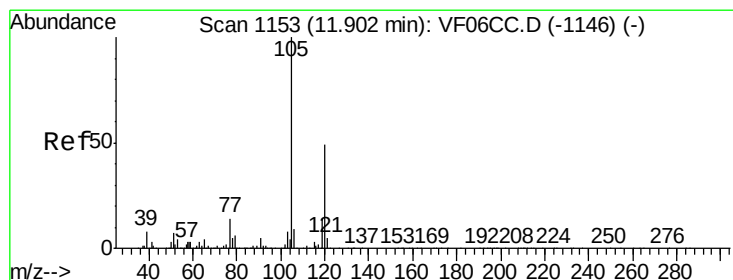
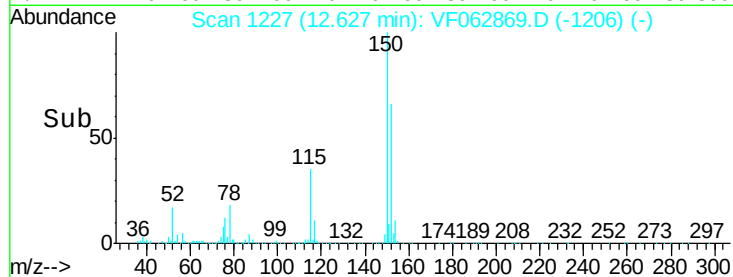
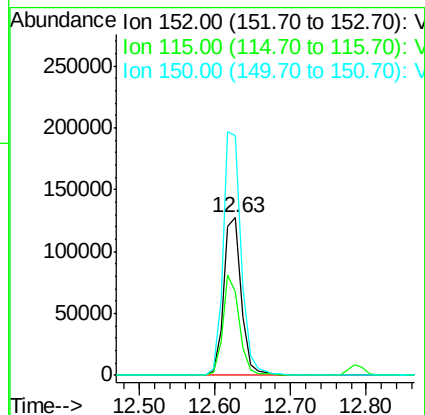
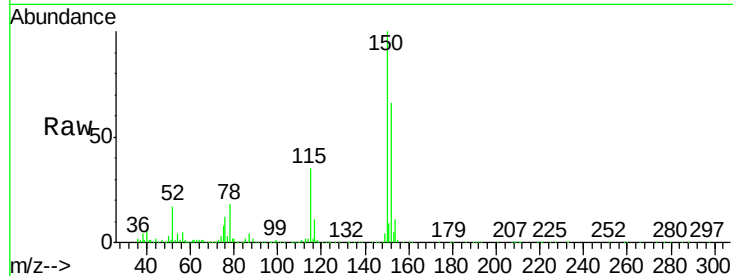


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. 0.00 min
Lab File: VF062869.D
Acq: 5 Jun 2019 17:02

Instrument :
MSVOA_F
ClientSampleId :
FK-SF-01-005-ARE

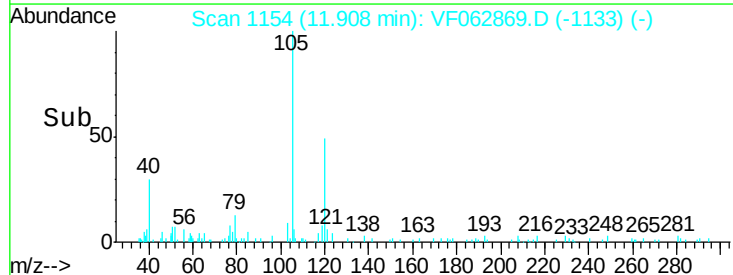
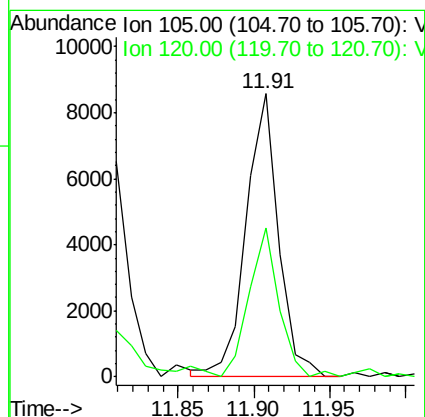
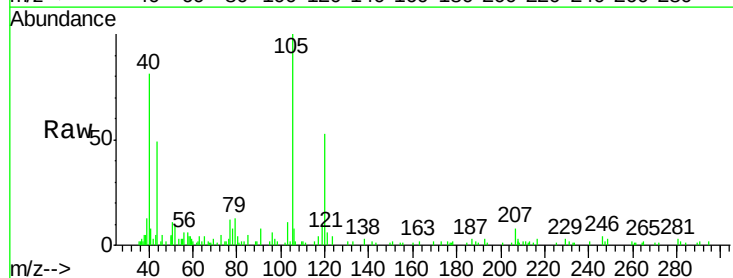
Tot Ion	152	Resp	208353
Ion	Ratio	Lower	Upper
152	100		
115	53.0	24.6	74.0
150	152.2	0.0	290.6

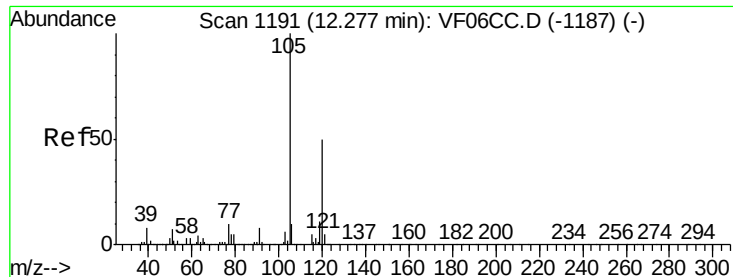


#80

1,3,5-Trimethylbenzene
Concen: 1.079 ug/l
RT: 11.91 min Scan# 1154
Delta R.T. 0.00 min
Lab File: VF062869.D
Acq: 5 Jun 2019 17:02

Tgt Ion	105	Resp	12823
Ion	Ratio	Lower	Upper
105	100		
120	52.6	28.7	86.1





#84

1,2,4-Trimethylbenzene

Concen: 3.262 ug/l

RT: 12.28 min Scan# 1192

Delta R.T. 0.00 min

Lab File: VF062869.D

Acq: 5 Jun 2019 17:02

Instrument :

MSVOA_F

ClientSampleId :

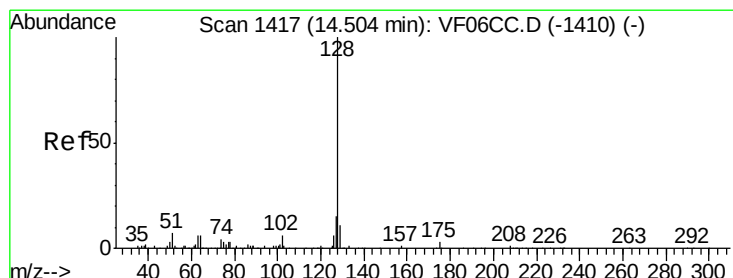
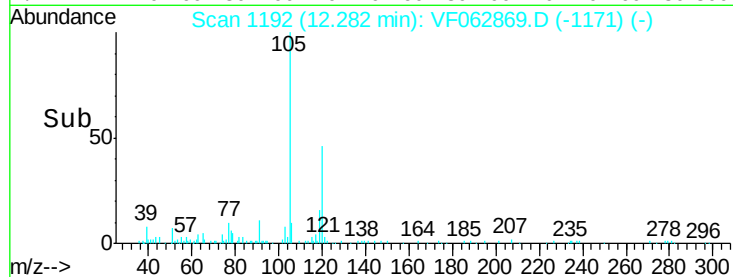
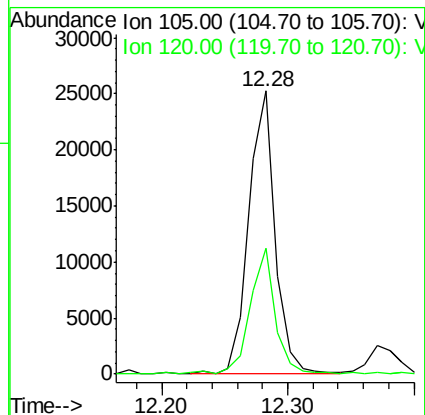
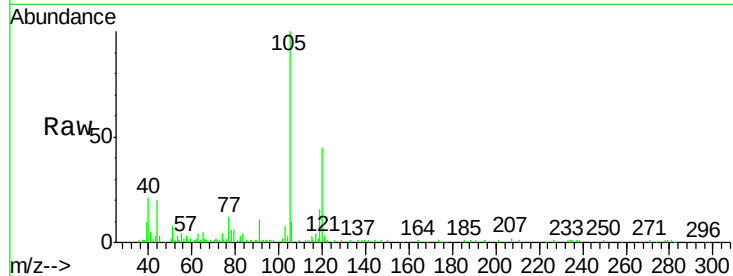
FK-SF-01-005-ARE

Tot Ion:105 Resp: 36767

Ion Ratio Lower Upper

105 100

120 44.7 27.1 81.3



#95

Naphthalene

Concen: 46.789 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.01 min

Lab File: VF062869.D

Acq: 5 Jun 2019 17:02

Tgt Ion:128 Resp: 298014

Ion Ratio Lower Upper

128 100

127 12.2 9.7 14.5

129 11.4 9.4 14.2

