

Data File : VF060629.D
Acq On : 7 Nov 2018 15:19
Operator : VA/AP
Sample : J5819-05
Misc : 2.71g/5mL/MSVOA-F/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
BES48_SB02_1.5-2

Quant Time: Nov 07 15:10:57 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
Quant Title : SW846 8260
QLast Update : Sat Nov 03 05:29:31 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	117574	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.61	114	145750	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.79	117	46755	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	3841	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	120279	101.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	202.50%	
35) Dibromofluoromethane	4.12	113	158910	141.12	ug/l	0.01
Spiked Amount 50.000			Recovery	=	282.24%	
50) Toluene-d8	7.56	98	143735	43.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.18%	
62) 4-Bromofluorobenzene	11.42	95	6652	4.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	9.12%	
Target Compounds						
20) Methylene Chloride	2.19	84	11321m	9.179	ug/l	Qvalue
80) 1,3,5-Trimethylbenzene	11.83	105	941	3.811	ug/l	71
84) 1,2,4-Trimethylbenzene	12.22	105	1440	5.955	ug/l	89
89) n-Butylbenzene	12.85	91	1634	4.746	ug/l	68
95) Naphthalene	14.47	128	3973	24.276	ug/l	98

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

Data File : VF060629.D

Acq On : 7 Nov 2018 15:19

Operator : VA/AP

Sample : J5819-05

Misc : 2.71g/5mL/MSVOA-F/SOIL

ALS Vial : 8 Sample Multiplier: 1

Instrument :

MSVOA_F

ClientSampleId :

BES48_SB02_1.5-2

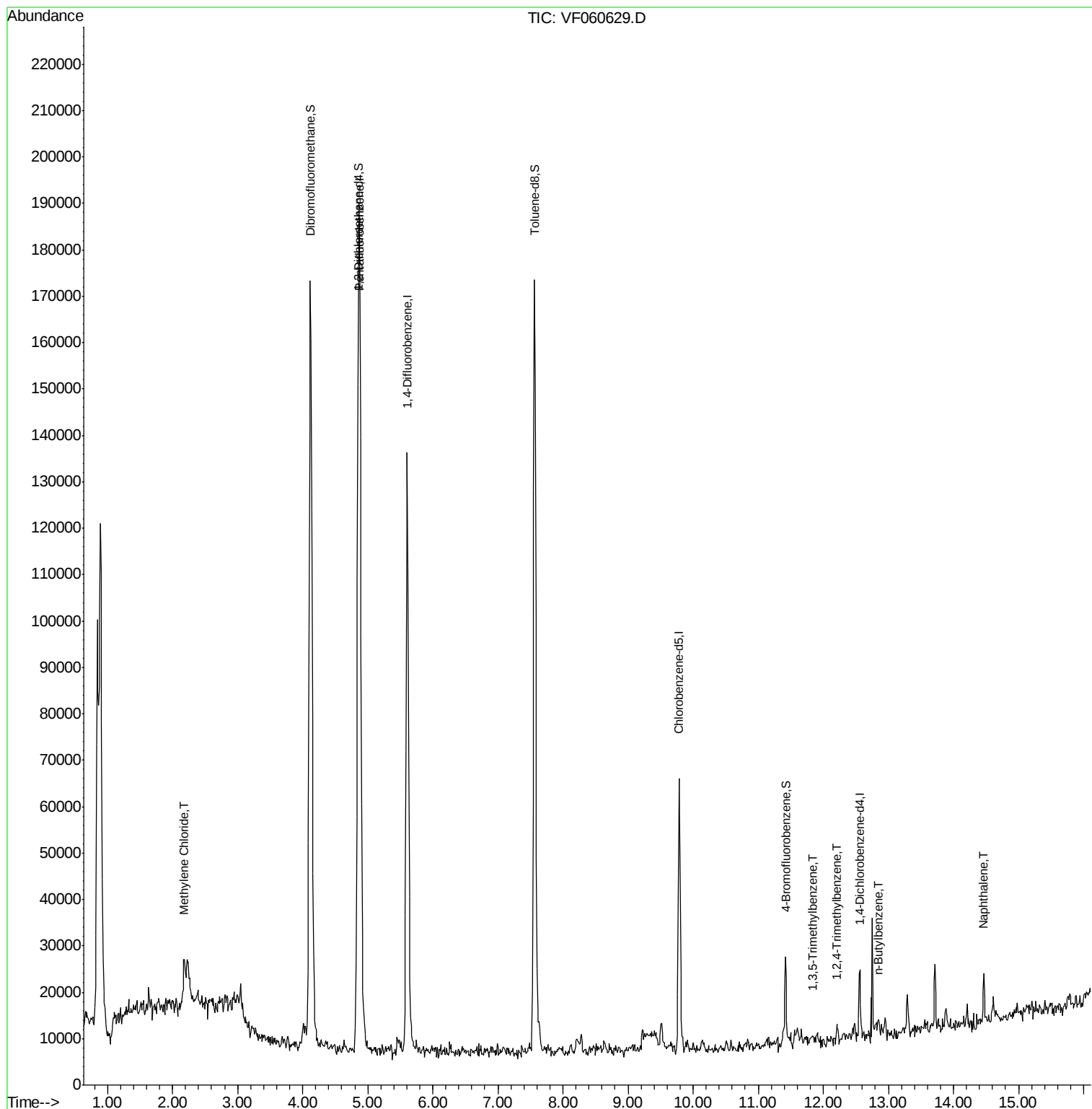
Quant Time: Nov 07 15:10:57 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M

Quant Title : SW846 8260

QLast Update : Sat Nov 03 05:29:31 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.01 min

Lab File: VF060629.D

Acq: 7 Nov 2018 15:19

Instrument :

MSVOA_F

ClientSampleId :

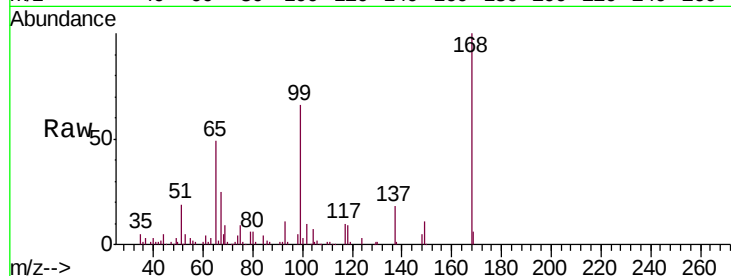
BES48_SB02_1.5-2

Tgt Ion:168 Resp: 117574

Ion Ratio Lower Upper

168 100

99 66.4 48.6 72.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

40000

30000

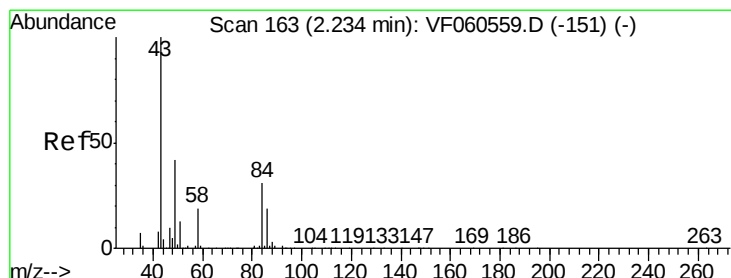
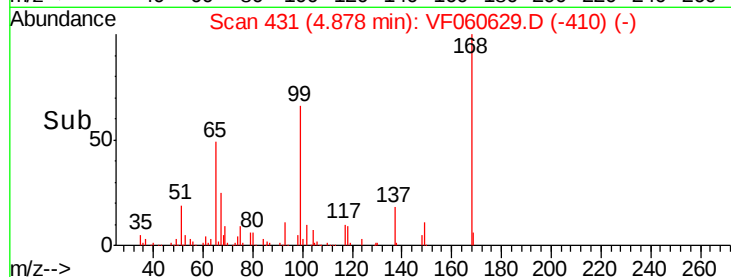
20000

10000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#20

Methylene Chloride

Concen: 9.179 ug/l m

RT: 2.19 min Scan# 158

Delta R.T. -0.05 min

Lab File: VF060629.D

Acq: 7 Nov 2018 15:19

Tgt Ion: 84 Resp: 11321

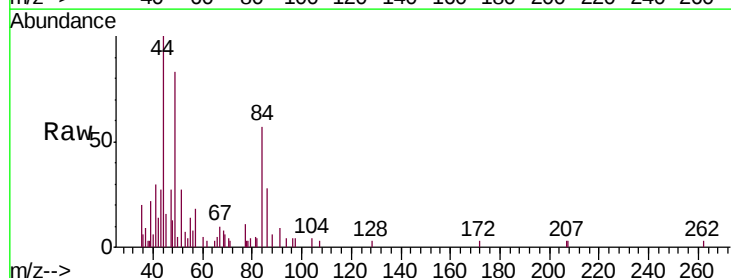
Ion Ratio Lower Upper

84 100

49 145.8 109.9 164.9

51 48.1 35.8 53.8

86 48.9 48.3 72.5



Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

5000

4000

3000

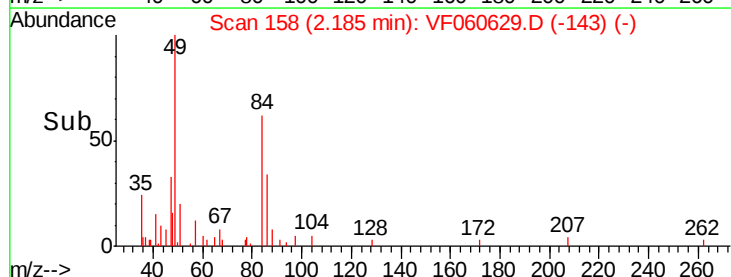
2000

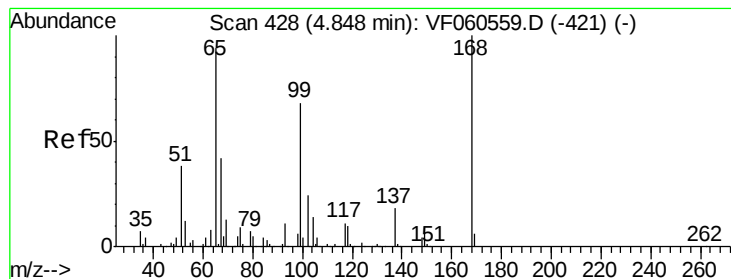
1000

0

Time-->

2.10 2.20 2.30 2.40





#33

1,2-Dichloroethane-d4

Concen: 101.251 ug/l

RT: 4.85 min Scan# 428

Delta R.T. 0.00 min

Lab File: VF060629.D

Acq: 7 Nov 2018 15:19

Instrument :

MSVOA_F

ClientSampleId :

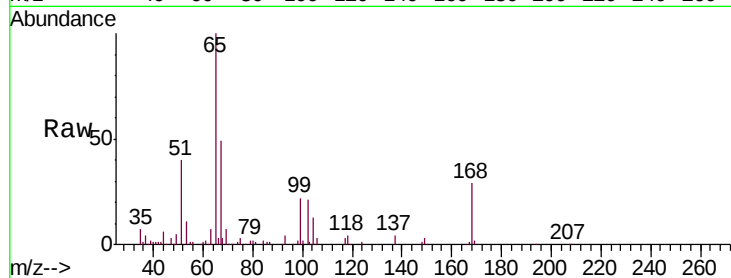
BES48_SB02_1.5-2

Tgt Ion: 65 Resp: 120279

Ion Ratio Lower Upper

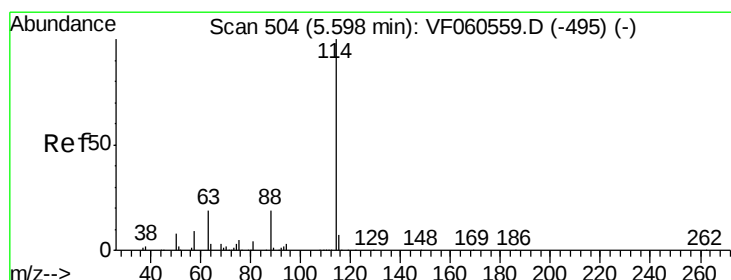
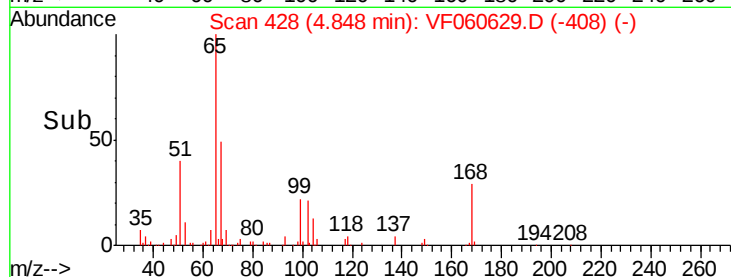
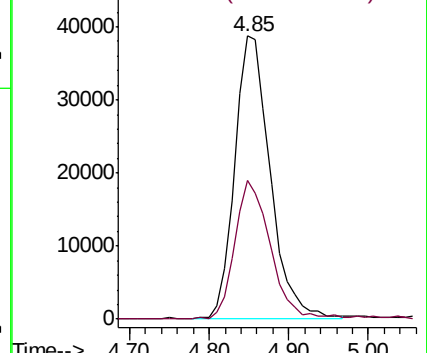
65 100

67 49.1 0.0 101.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. 0.01 min

Lab File: VF060629.D

Acq: 7 Nov 2018 15:19

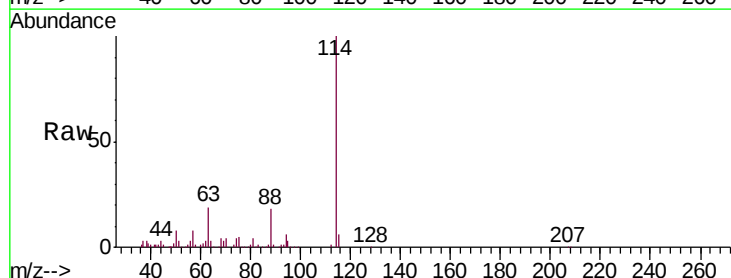
Tgt Ion: 114 Resp: 145750

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.0

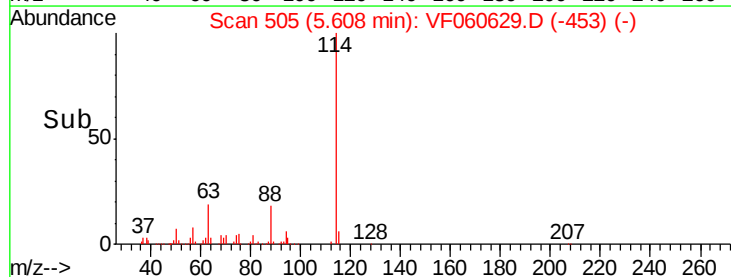
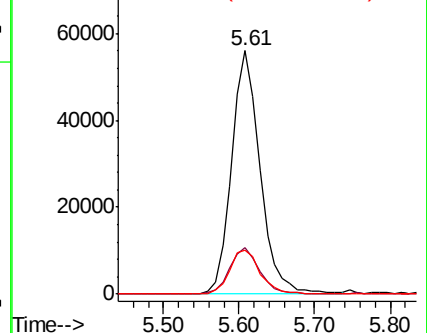
88 18.3 0.0 38.2

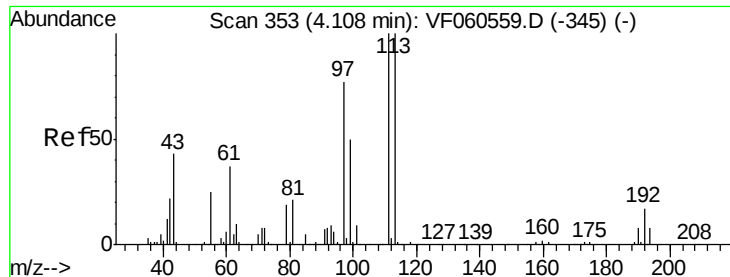


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 141.120 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.01 min

Lab File: VF060629.D

Acq: 7 Nov 2018 15:19

Instrument :

MSVOA_F

ClientSampleId :

BES48_SB02_1.5-2

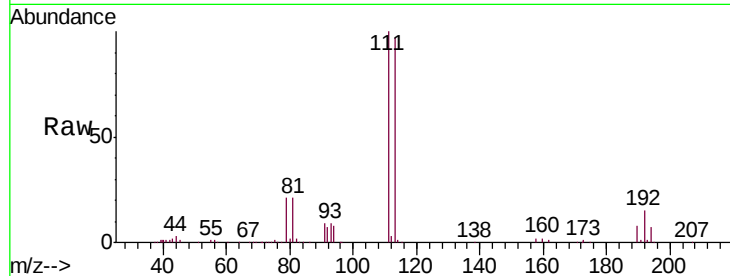
Tgt Ion:113 Resp: 158910

Ion Ratio Lower Upper

113 100

111 102.9 79.9 119.9

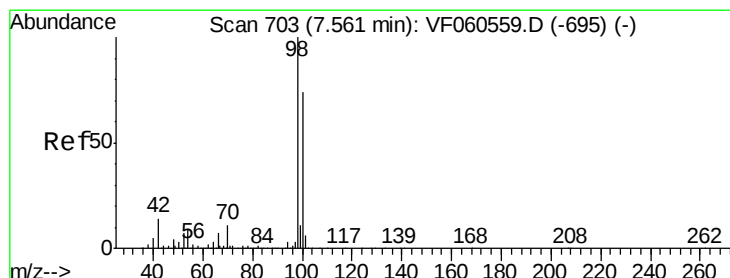
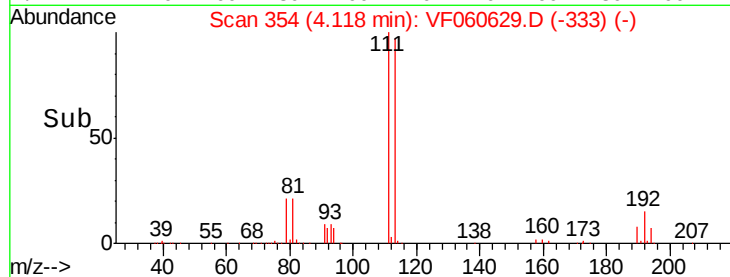
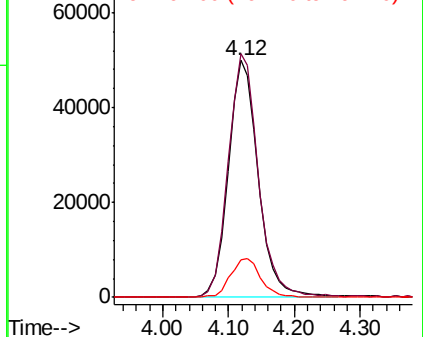
192 15.9 13.3 19.9



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: 43.090 ug/l

RT: 7.56 min Scan# 703

Delta R.T. 0.00 min

Lab File: VF060629.D

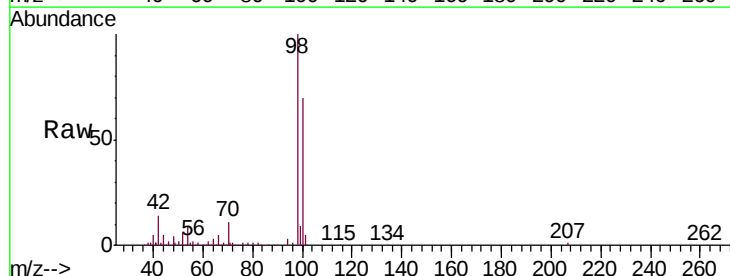
Acq: 7 Nov 2018 15:19

Tgt Ion: 98 Resp: 143735

Ion Ratio Lower Upper

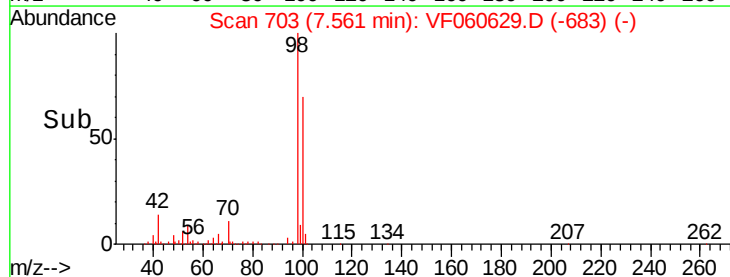
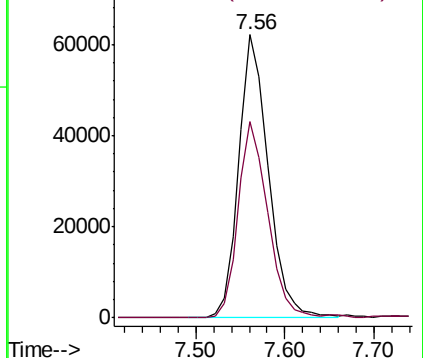
98 100

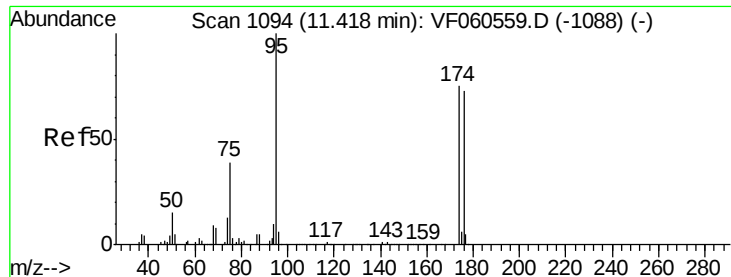
100 69.5 59.4 89.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF





#62

4-Bromofluorobenzene

Concen: 4.559 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF060629.D

Acq: 7 Nov 2018 15:19

Instrument :

MSVOA_F

ClientSampleId :

BES48_SB02_1.5-2

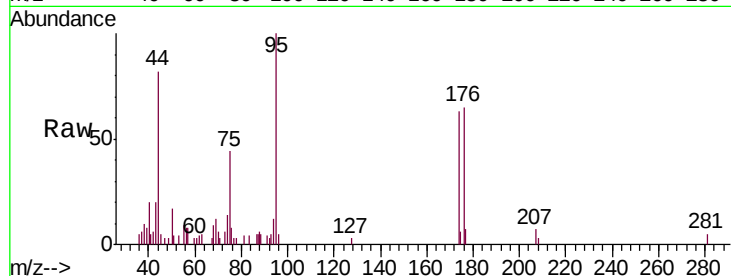
Tgt Ion: 95 Resp: 6652

Ion Ratio Lower Upper

95 100

174 69.6 0.0 149.0

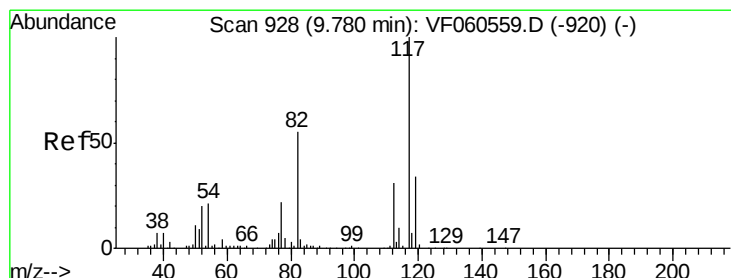
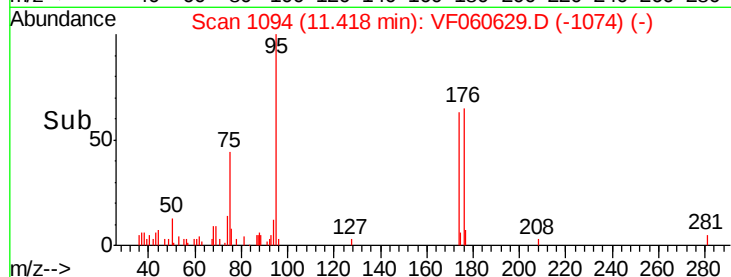
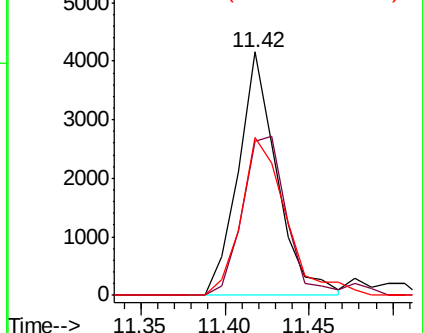
176 64.7 0.0 145.6



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: 9.79 min Scan# 929

Delta R.T. 0.01 min

Lab File: VF060629.D

Acq: 7 Nov 2018 15:19

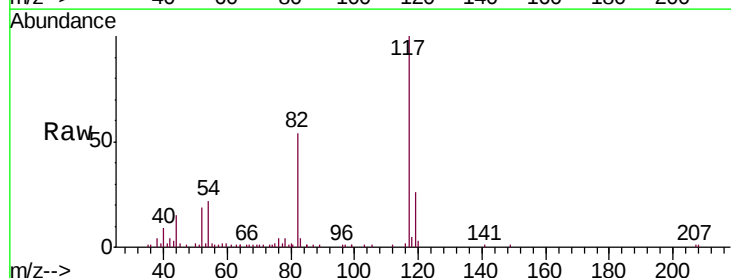
Tgt Ion: 117 Resp: 46755

Ion Ratio Lower Upper

117 100

82 54.1 43.9 65.9

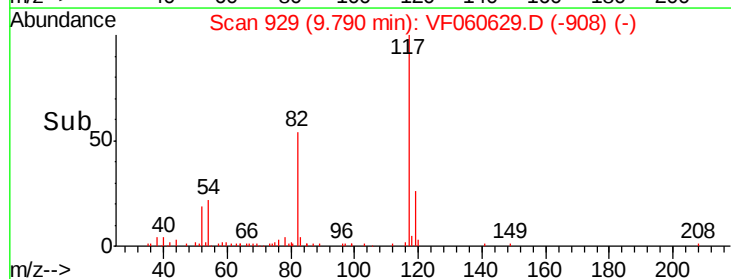
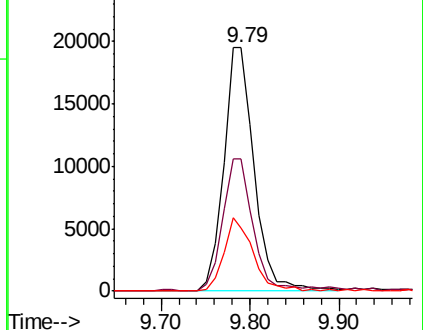
119 26.2 27.4 41.0#

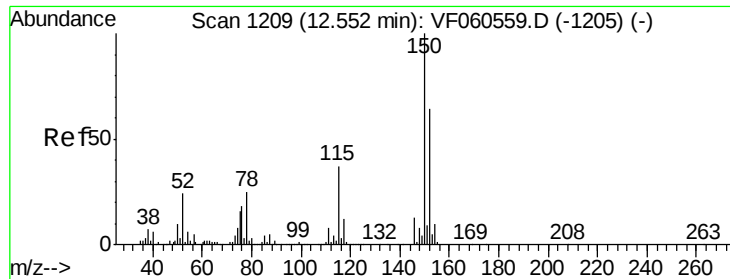


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. 0.01 min

Lab File: VF060629.D

Acq: 7 Nov 2018 15:19

Instrument :

MSVOA_F

ClientSampleId :

BES48_SB02_1.5-2

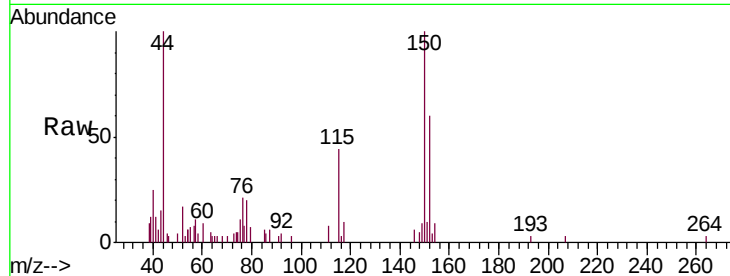
Tgt Ion:152 Resp: 3841

Ion Ratio Lower Upper

152 100

115 73.4 29.6 88.8

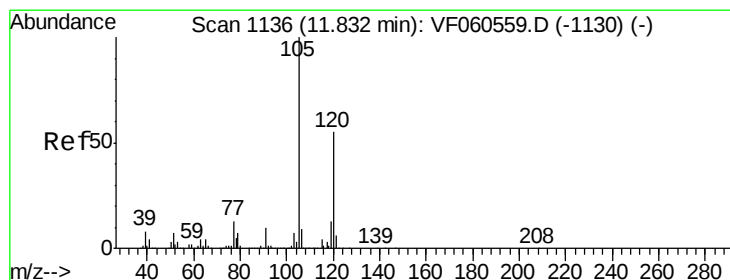
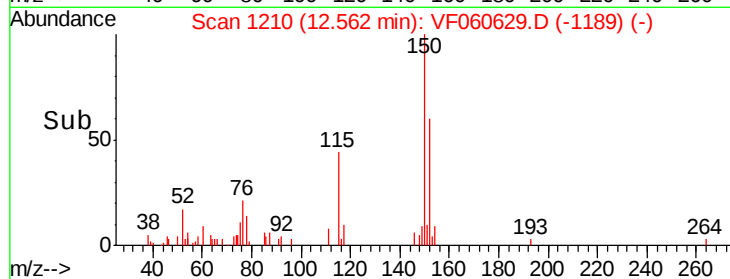
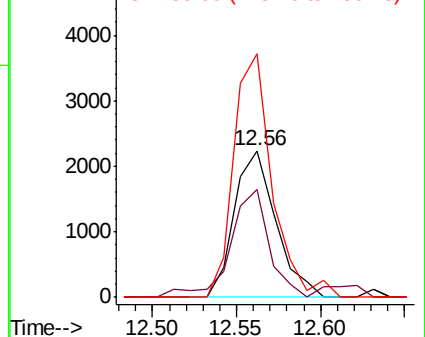
150 166.3 0.0 315.6



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: 3.811 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VF060629.D

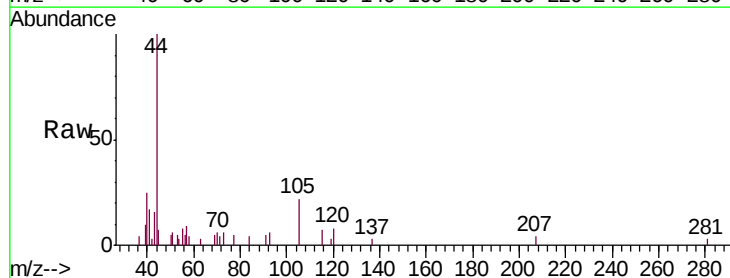
Acq: 7 Nov 2018 15:19

Tgt Ion:105 Resp: 941

Ion Ratio Lower Upper

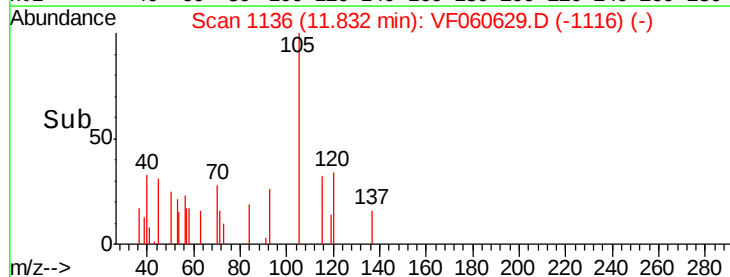
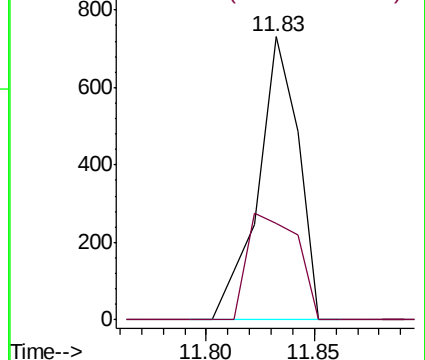
105 100

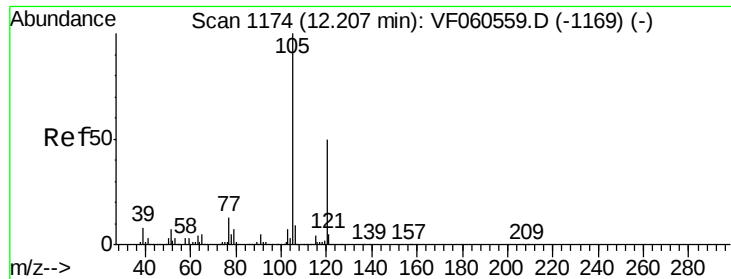
120 33.9 27.6 82.8



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: 5.955 ug/l

RT: 12.22 min Scan# 1175

Delta R.T. 0.01 min

Lab File: VF060629.D

Acq: 7 Nov 2018 15:19

Instrument :

MSVOA_F

ClientSampleId :

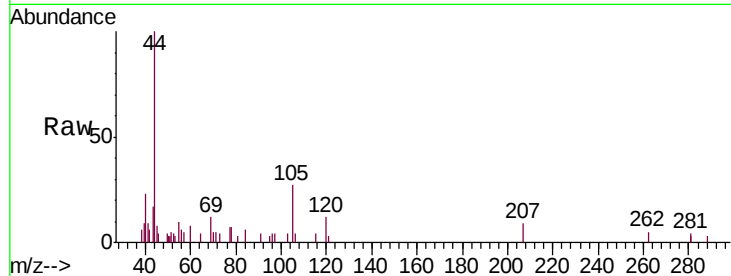
BES48_SB02_1.5-2

Tgt Ion:105 Resp: 1440

Ion Ratio Lower Upper

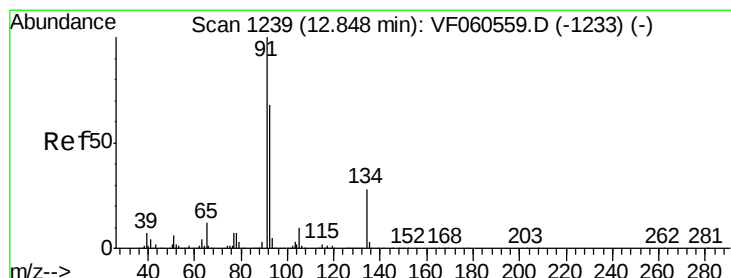
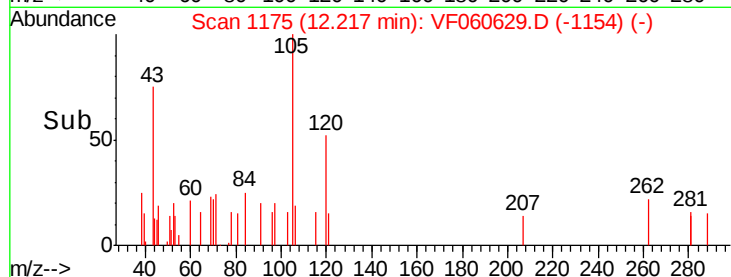
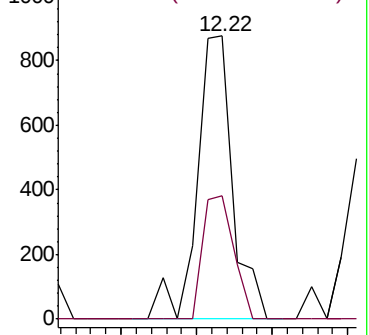
105 100

120 43.5 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#89

n-Butylbenzene

Concen: 4.746 ug/l

RT: 12.85 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VF060629.D

Acq: 7 Nov 2018 15:19

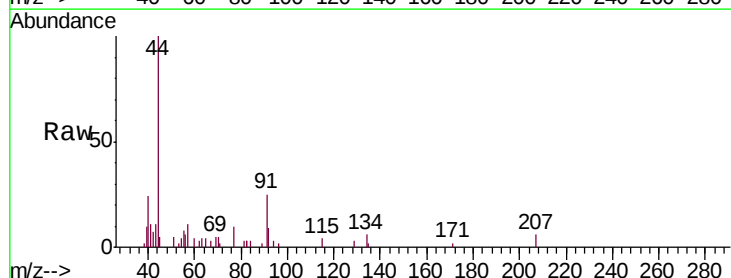
Tgt Ion: 91 Resp: 1634

Ion Ratio Lower Upper

91 100

92 35.2 34.1 102.2

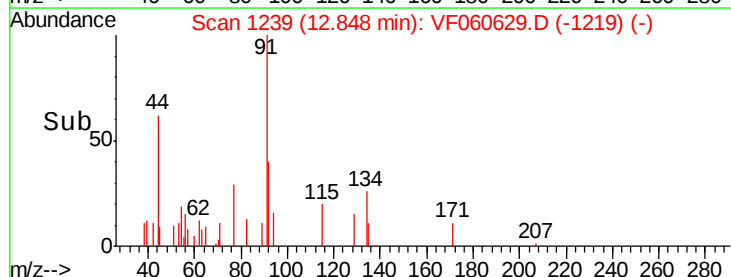
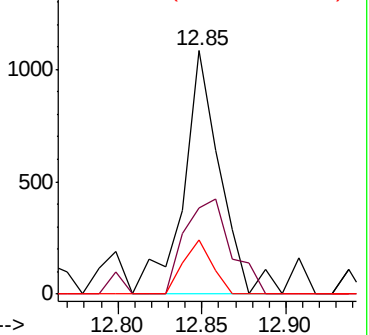
134 22.4 13.9 41.6

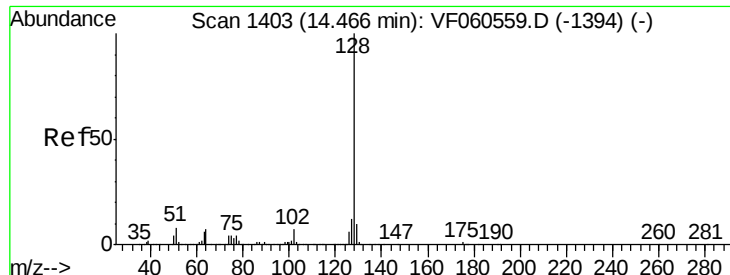


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V

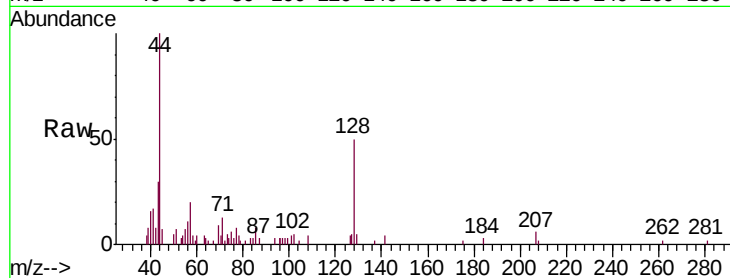




#95
Naphthalene
Concen: 24.276 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. 0.00 min
Lab File: VF060629.D
Acq: 7 Nov 2018 15:19

Instrument :
MSVOA_F
ClientSampleId :
BES48_SB02_1.5-2

Tgt Ion	Ratio	Lower	Upper
128	100		
127	10.9	9.4	14.0
129	10.0	8.4	12.6



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

