

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122418\
 Data File : VF061177.D
 Acq On : 24 Dec 2018 20:58
 Operator : VA/AP
 Sample : J6446-12
 Misc : 2.31g/5mL/MSVOA-F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS022-0006-01

Quant Time: Dec 25 06:25:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

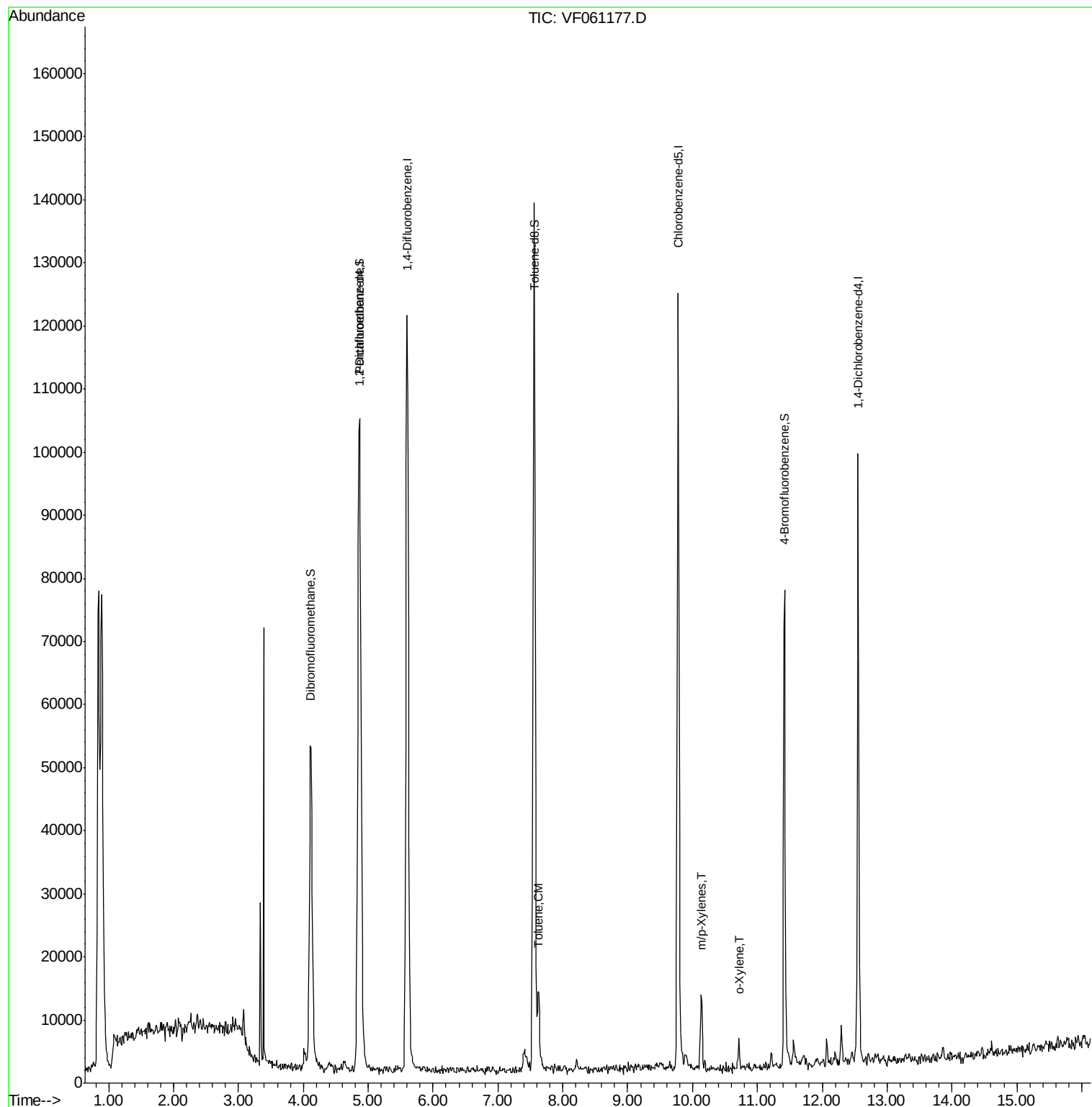
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	77318	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	130935	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	83753	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	23031	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	43482	43.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.46%	
35) Dibromofluoromethane	4.12	113	49180	46.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.78%	
50) Toluene-d8	7.55	98	117340	39.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	78.96%	
62) 4-Bromofluorobenzene	11.41	95	31689	23.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	46.26%	
Target Compounds						
52) Toluene	7.63	92	5599	2.489	ug/l	94
68) m/p-Xylenes	10.14	106	4433	3.996	ug/l	87
69) o-Xylene	10.72	106	1335	1.085	ug/l	97

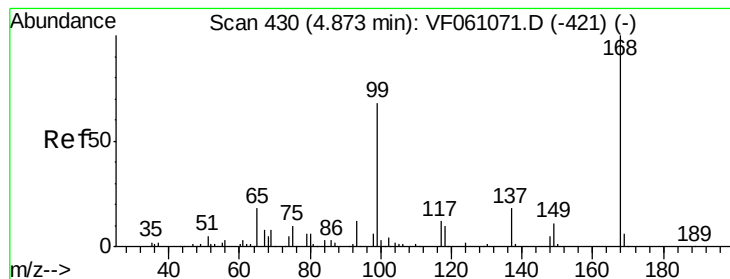
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.01 min

Lab File: VF061177.D

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Instrument :

MSVOA_F

ClientSampleId :

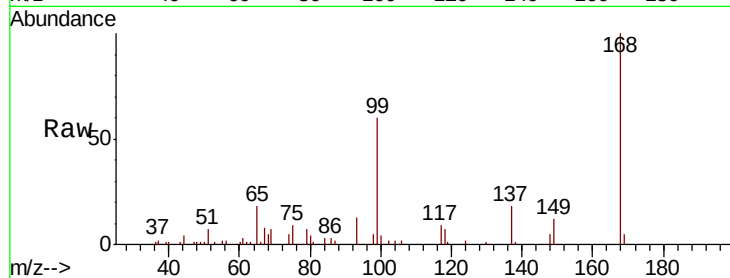
P001-SS022-0006-01

Tot Ion:168 Resp: 77318

Ion Ratio Lower Upper

168 100

99 60.3 54.4 81.6

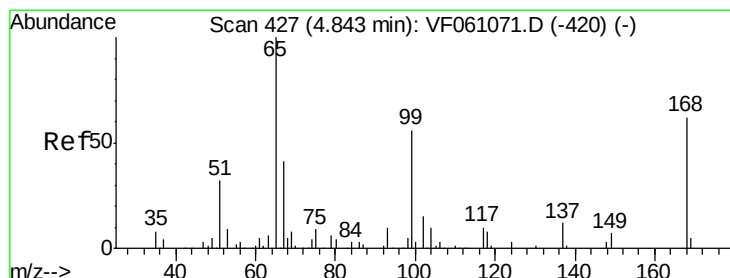
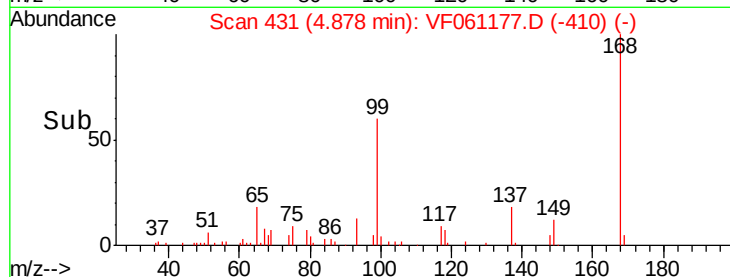


Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

Time--> 4.70 4.80 4.90 5.00



#33

1,2-Dichloroethane-d4

Concen: 43.725 ug/l

RT: 4.85 min Scan# 428

Delta R.T. 0.01 min

Lab File: VF061177.D

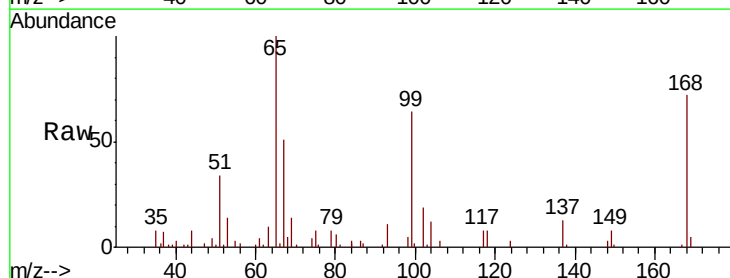
Acq: 24 Dec 2018 20:58

Tgt Ion: 65 Resp: 43482

Ion Ratio Lower Upper

65 100

67 50.6 0.0 94.6

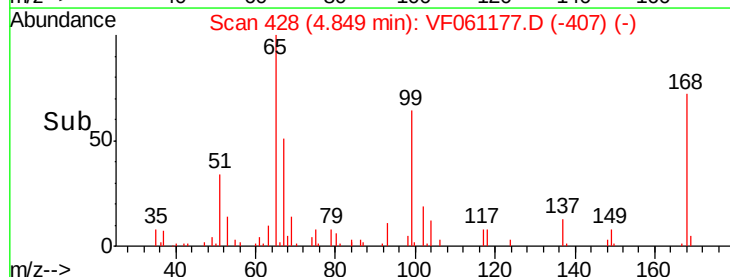


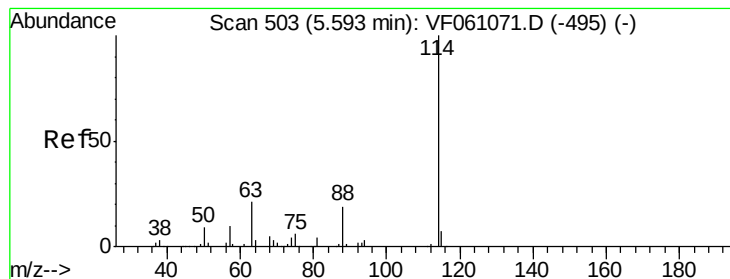
Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.85

Time--> 4.70 4.80 4.90 5.00





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. 0.01 min

Lab File: VF061177.D

Acq: 24 Dec 2018 20:58

Instrument :

MSVOA_F

ClientSampleId :

P001-SS022-0006-01

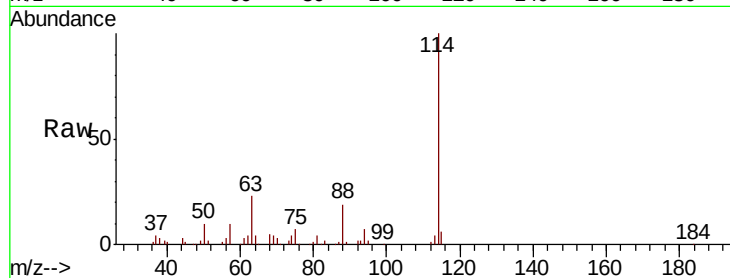
Tot Ion:114 Resp: 130935

Ion Ratio Lower Upper

114 100

63 22.7 0.0 41.6

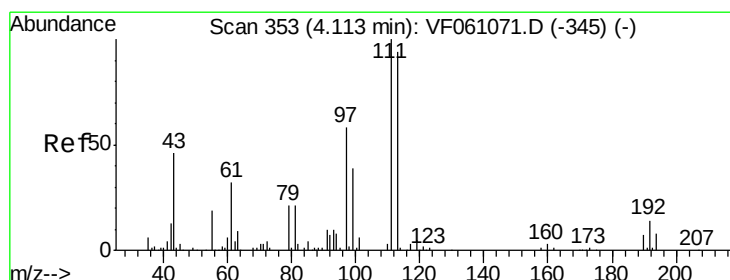
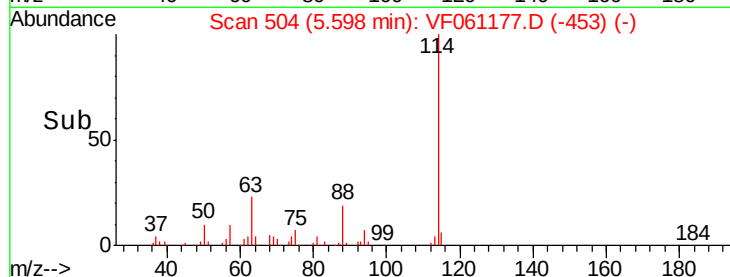
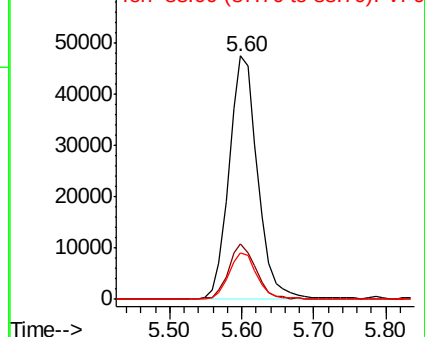
88 18.9 0.0 38.0



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: 46.889 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.01 min

Lab File: VF061177.D

Acq: 24 Dec 2018 20:58

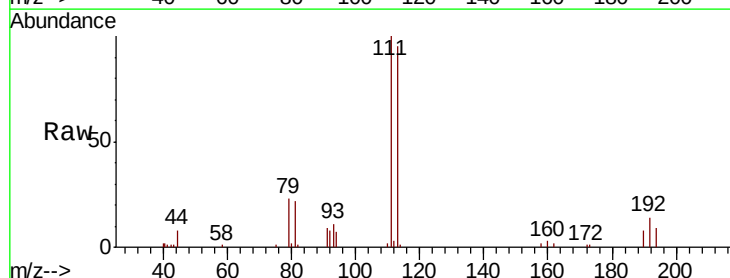
Tgt Ion:113 Resp: 49180

Ion Ratio Lower Upper

113 100

111 104.8 85.2 127.8

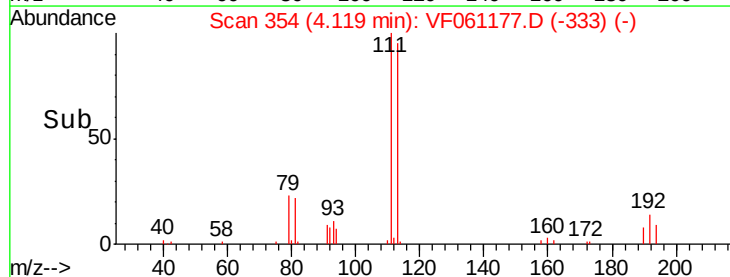
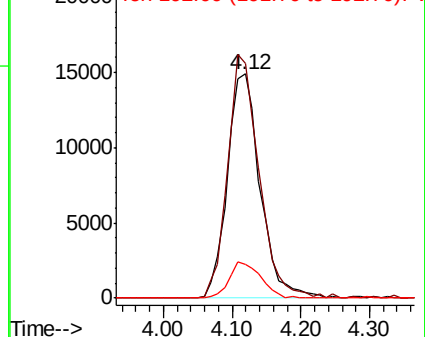
192 15.1 12.8 19.2

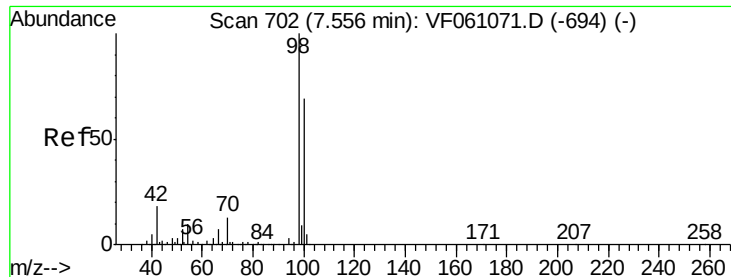


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 39.477 ug/l

RT: 7.55 min Scan# 702

Delta R.T. -0.00 min

Lab File: VF061177.D

Acq: 24 Dec 2018 20:58

Instrument :

MSVOA_F

ClientSampleId :

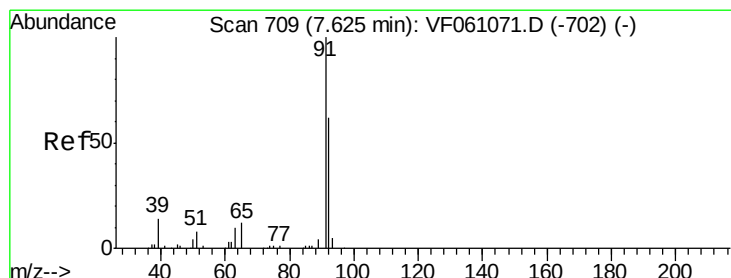
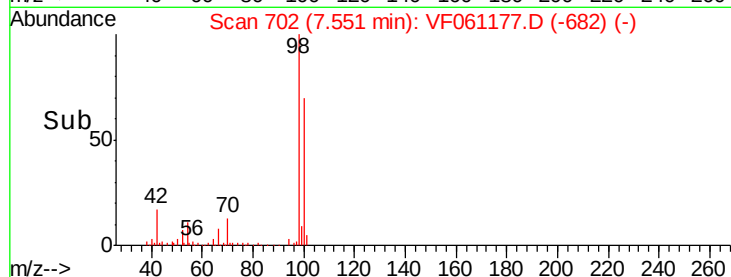
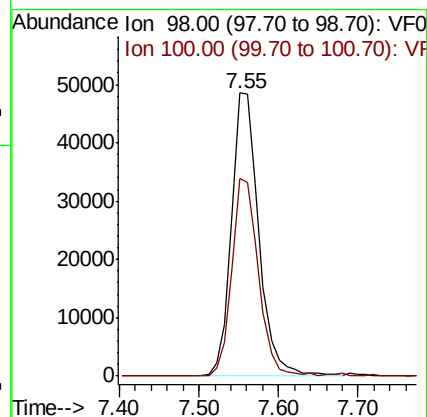
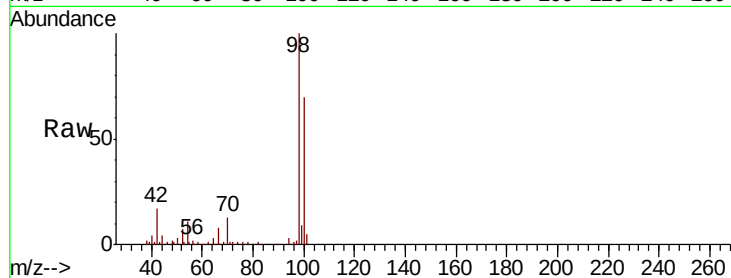
P001-SS022-0006-01

Tot Ion: 98 Resp: 117340

Ion Ratio Lower Upper

98 100

100 70.0 55.3 82.9



#52

Toluene

Concen: 2.489 ug/l

RT: 7.63 min Scan# 710

Delta R.T. 0.01 min

Lab File: VF061177.D

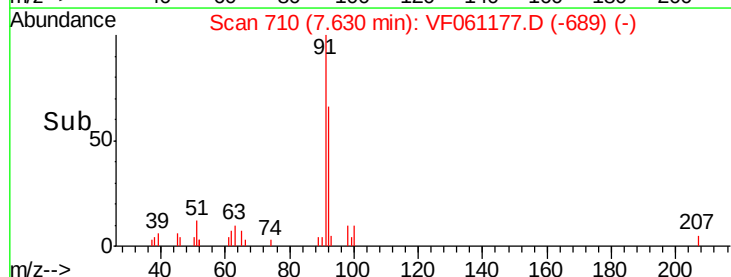
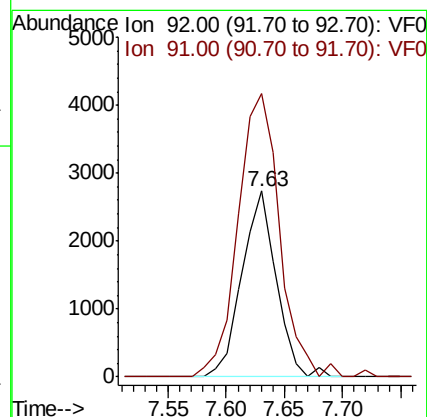
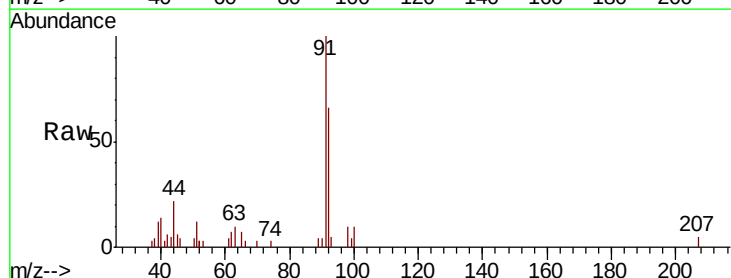
Acq: 24 Dec 2018 20:58

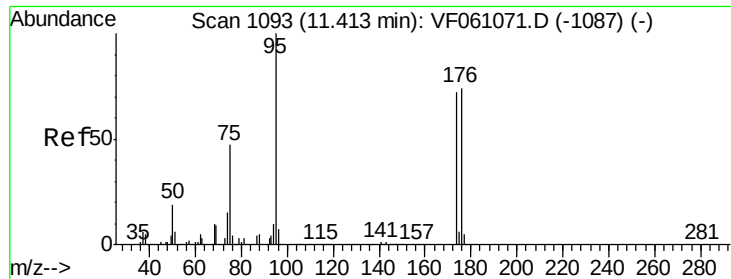
Tgt Ion: 92 Resp: 5599

Ion Ratio Lower Upper

92 100

91 152.4 128.8 193.2





#62

4-Bromofluorobenzene

Concen: 23.126 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VF061177.D

Acq: 24 Dec 2018 20:58

Instrument :

MSVOA_F

ClientSampleId :

P001-SS022-0006-01

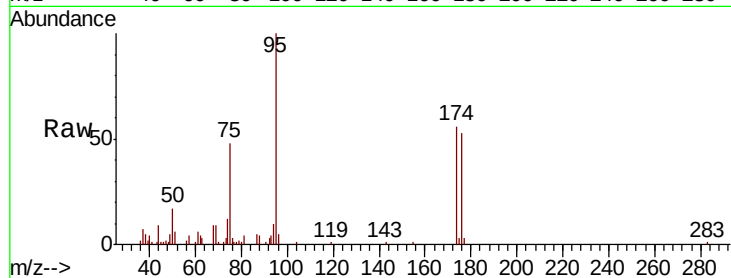
Tot Ion: 95 Resp: 31689

Ion Ratio Lower Upper

95 100

174 55.7 0.0 143.8

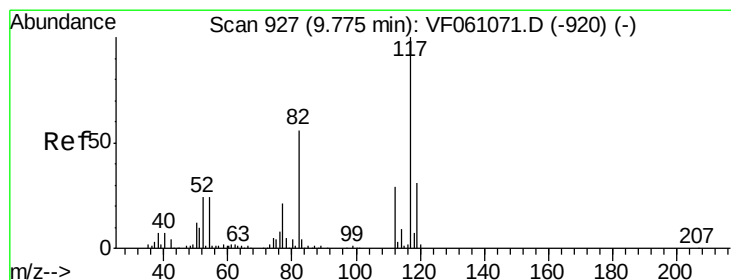
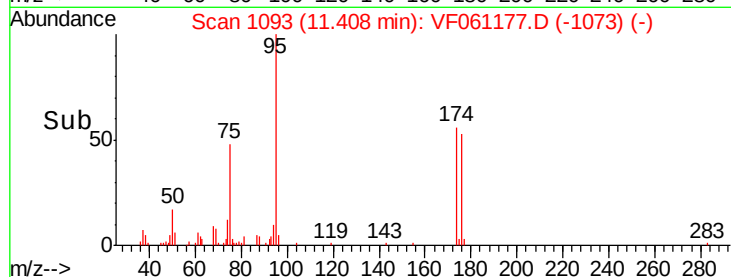
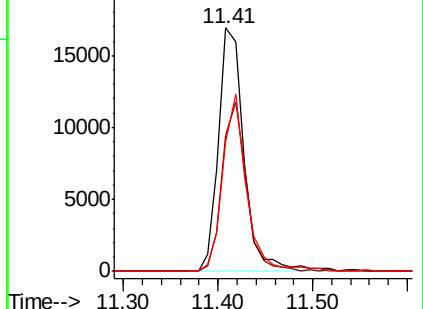
176 53.2 0.0 147.6



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: 9.78 min Scan# 928

Delta R.T. 0.01 min

Lab File: VF061177.D

Acq: 24 Dec 2018 20:58

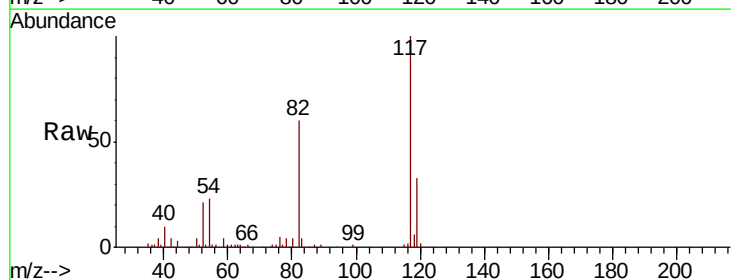
Tgt Ion: 117 Resp: 83753

Ion Ratio Lower Upper

117 100

82 59.9 45.0 67.4

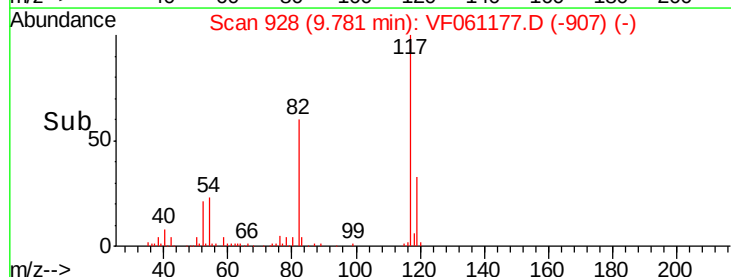
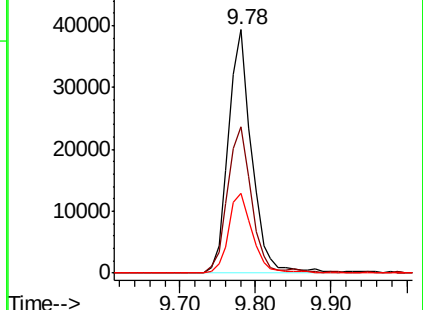
119 32.7 24.8 37.2

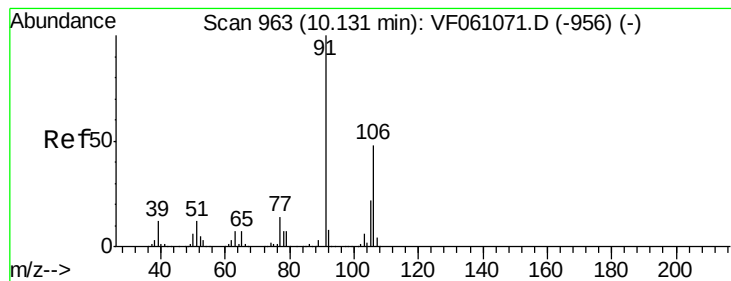


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#68

m/p-Xylenes

Concen: 3.996 ug/l

RT: 10.14 min Scan# 964

Delta R.T. 0.01 min

Lab File: VF061177.D

Acq: 24 Dec 2018 20:58

Instrument :

MSVOA_F

ClientSampleId :

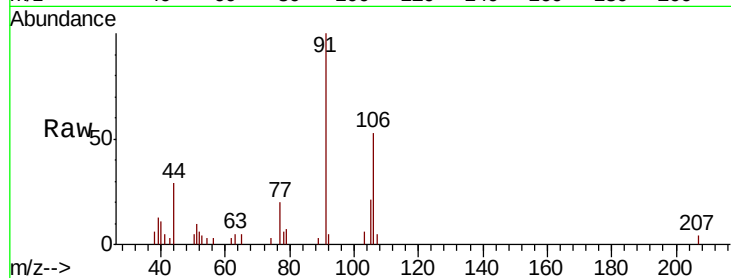
P001-SS022-0006-01

Tot Ion:106 Resp: 4433

Ion Ratio Lower Upper

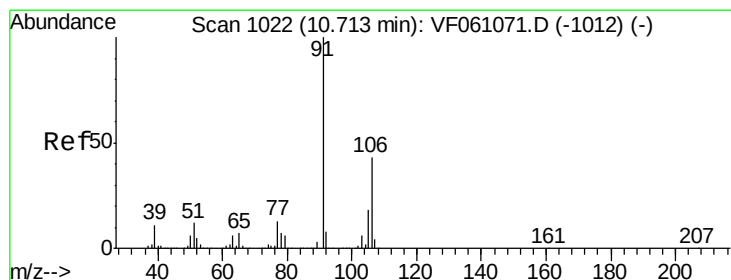
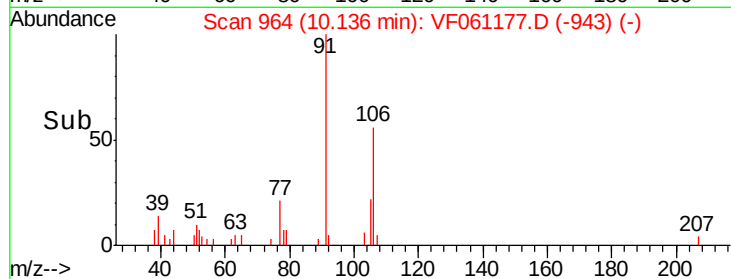
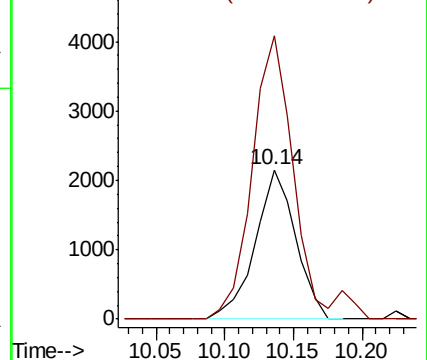
106 100

91 189.5 168.2 252.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#69

o-Xylene

Concen: 1.085 ug/l

RT: 10.72 min Scan# 1023

Delta R.T. 0.01 min

Lab File: VF061177.D

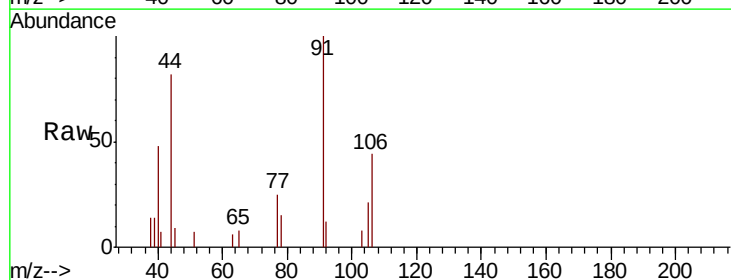
Acq: 24 Dec 2018 20:58

Tgt Ion:106 Resp: 1335

Ion Ratio Lower Upper

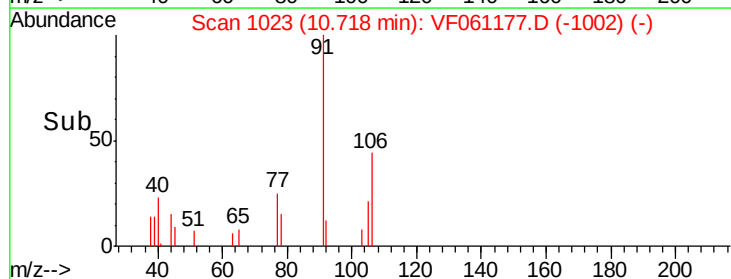
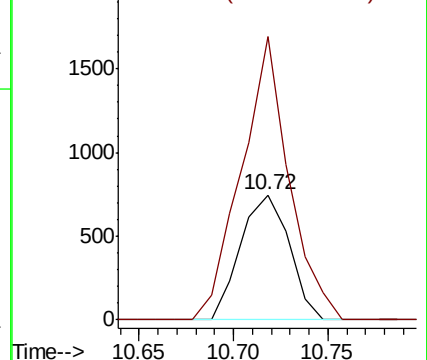
106 100

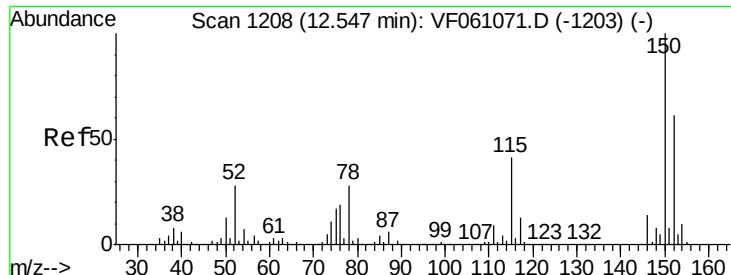
91 226.4 115.9 347.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

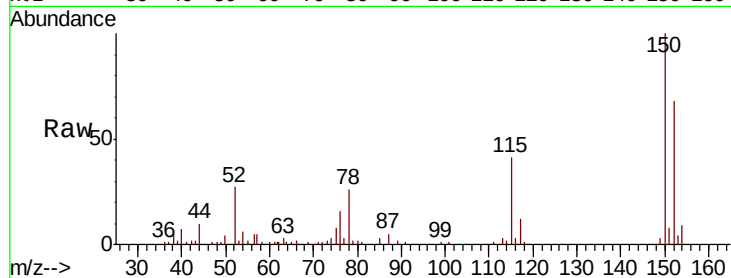




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. 0.01 min
 Lab File: VF061177.D
 Acq: 24 Dec 2018 20:58

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS022-0006-01

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.7	33.3	99.9
150	147.2	0.0	328.2



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

