

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031419\
 Data File : VF061944.D
 Acq On : 14 Mar 2019 17:51
 Operator : VA/AP
 Sample : K1905-03
 Misc : 5.86g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 RBR-200052

Quant Time: Mar 15 01:48:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

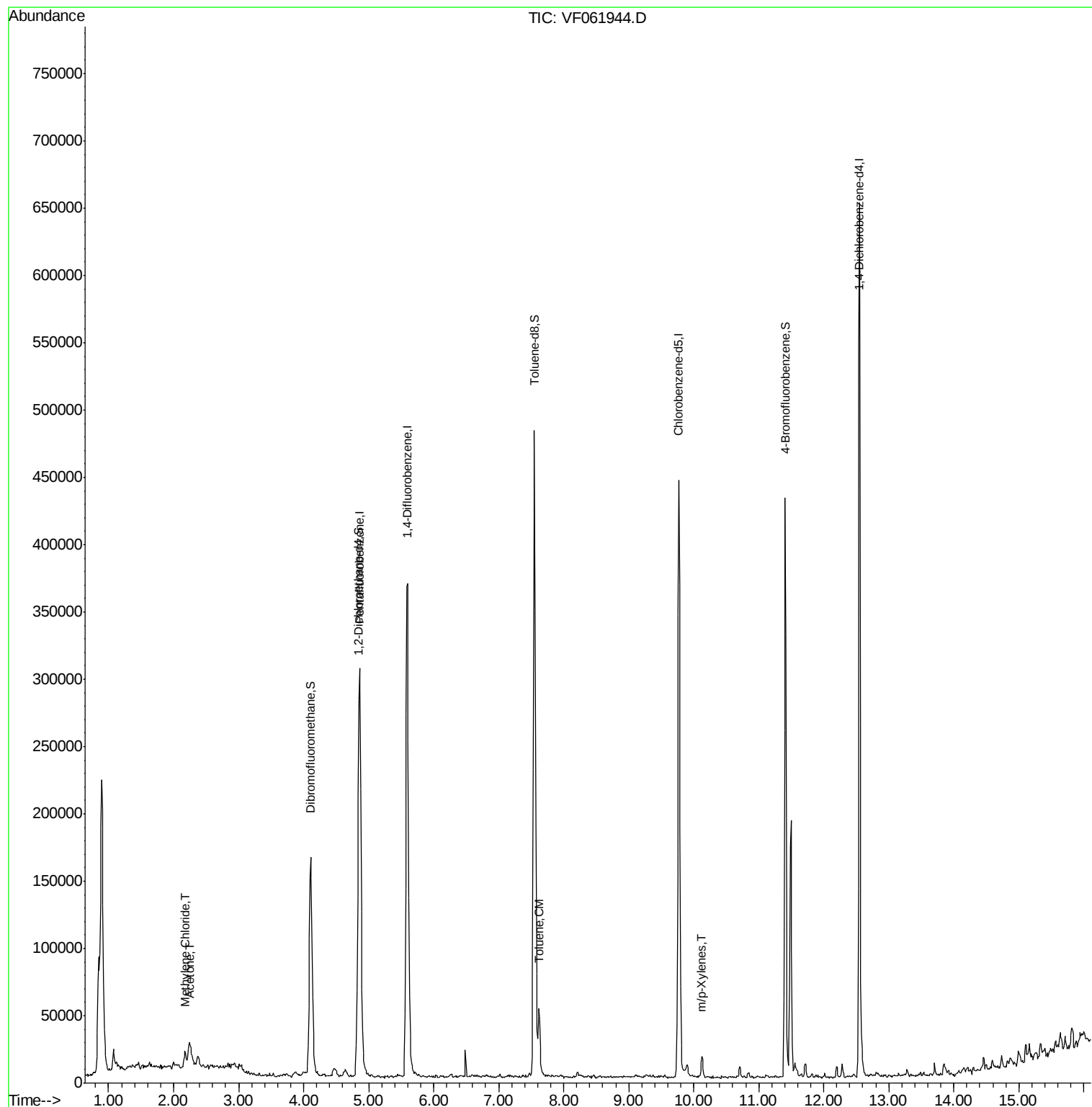
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	278425	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.60	114	467836	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.77	117	355502	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	187808	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	106248	52.40	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	104.80%	
35) Dibromofluoromethane	4.11	113	163472	50.07	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	100.14%	
50) Toluene-d8	7.55	98	425998	43.90	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	87.80%	
62) 4-Bromofluorobenzene	11.41	95	163516	43.01	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	86.02%	
Target Compounds						
16) Acetone	2.24	43	18485	43.522	ug/l	98
20) Methylene Chloride	2.18	84	14997m	1.218	ug/l	
52) Toluene	7.62	92	27466	4.019	ug/l	96
68) m/p-Xylenes	10.12	106	5850	1.349	ug/l	91

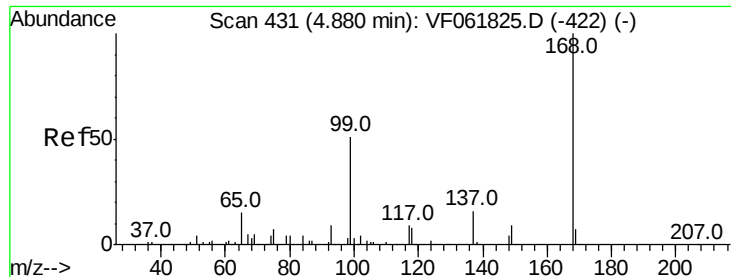
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:50:44 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF061944.D

Acq: 14 Mar 2019 17:51

Instrument :

MSVOA_F

ClientSampleId :

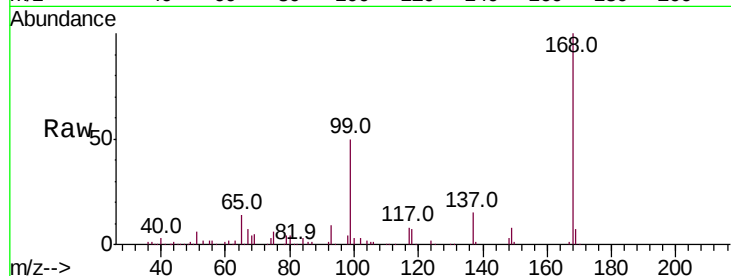
RBR-200052

Tot Ion:168 Resp: 278425

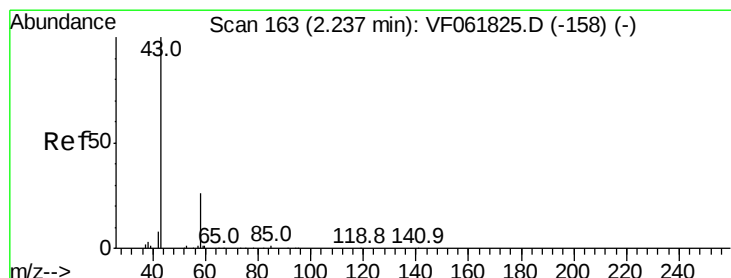
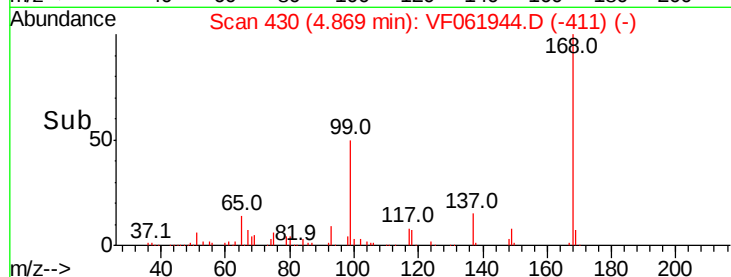
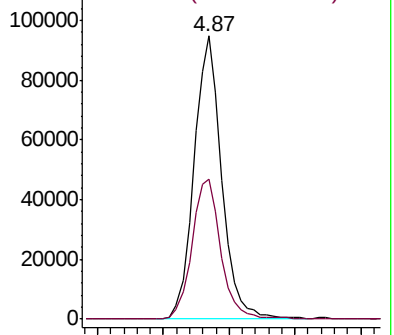
Ion Ratio Lower Upper

168 100

99 49.5 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0



#16

Acetone

Concen: 43.522 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.00 min

Lab File: VF061944.D

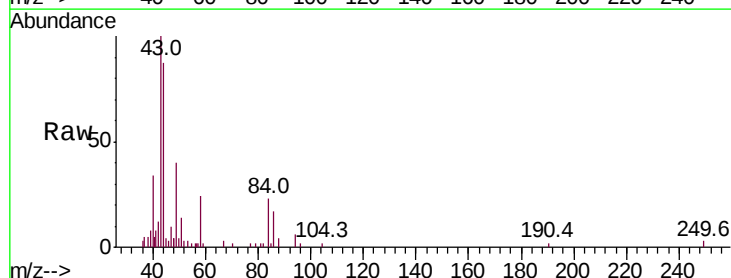
Acq: 14 Mar 2019 17:51

Tgt Ion: 43 Resp: 18485

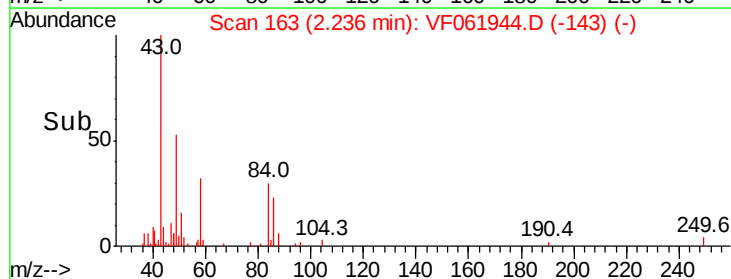
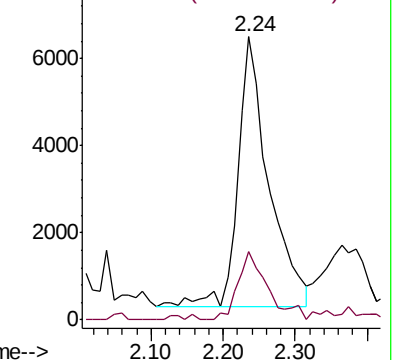
Ion Ratio Lower Upper

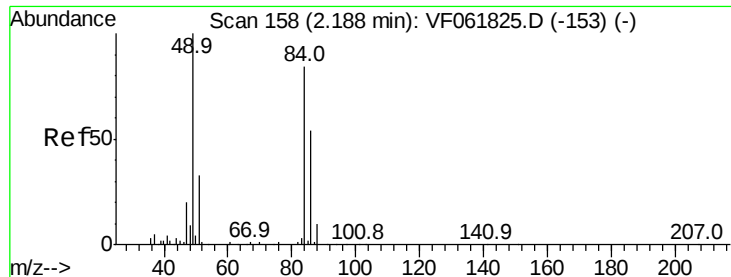
43 100

58 24.2 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VF0





#20

Methylene Chloride

Concen: 1.218 ug/l

RT: 2.18 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF061944.D

Acq: 14 Mar 2019 17:51

Instrument :

MSVOA_F

ClientSampleId :

RBR-200052

Tot Ion: 84 Resp: 14997

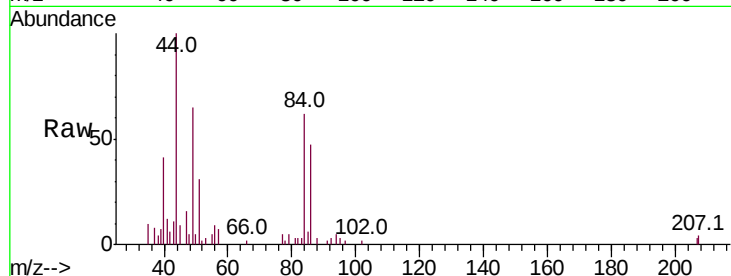
Ion Ratio Lower Upper

84 100

49 104.3 96.8 145.2

51 50.3 31.8 47.6#

86 75.6 51.6 77.4

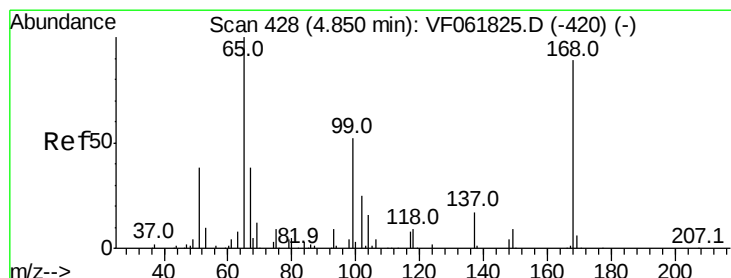
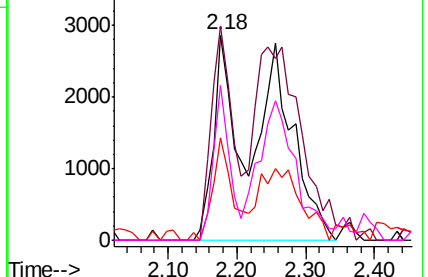
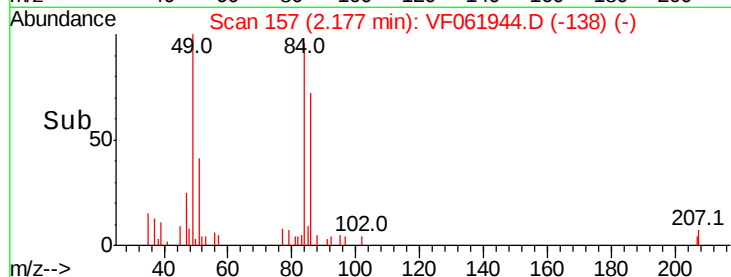


Abundance Ion 84.00 (83.70 to 84.70): VF0

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



#33

1,2-Dichloroethane-d4

Concen: 52.400 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.01 min

Lab File: VF061944.D

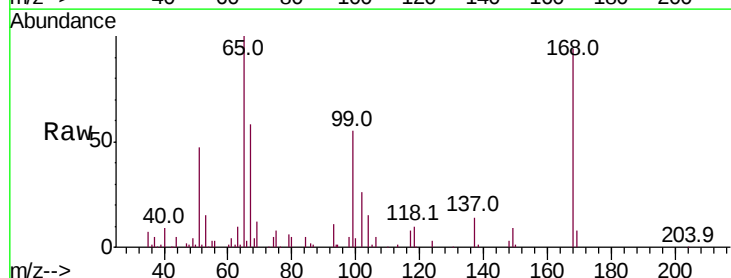
Acq: 14 Mar 2019 17:51

Tgt Ion: 65 Resp: 106248

Ion Ratio Lower Upper

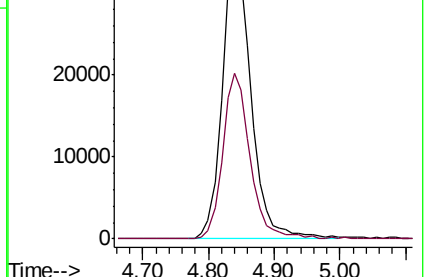
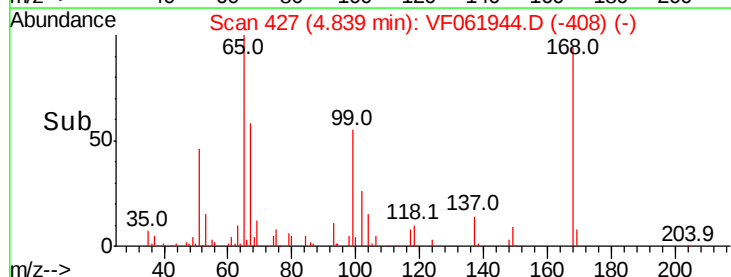
65 100

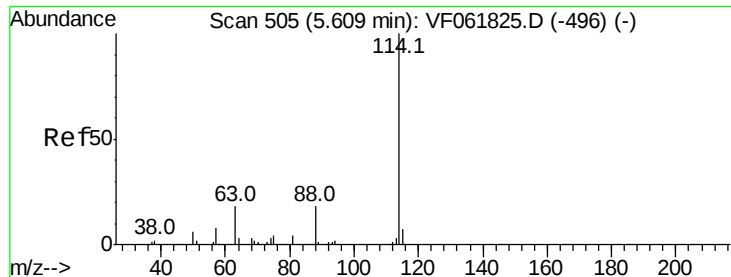
67 58.4 0.0 108.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

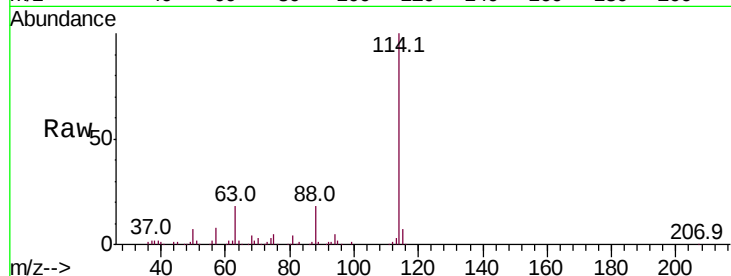




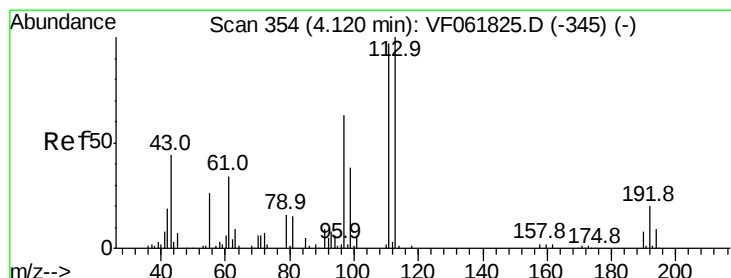
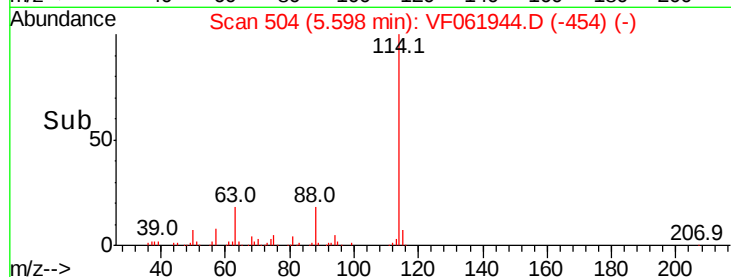
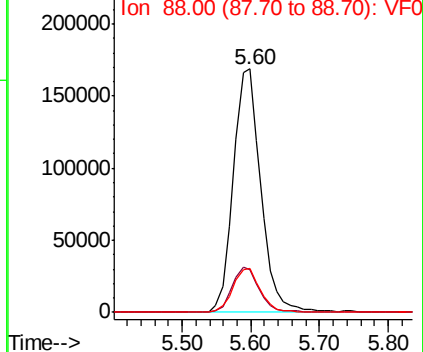
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.60 min Scan# 504
Delta R.T. -0.01 min
Lab File: VF061944.D
Acq: 14 Mar 2019 17:51

Instrument :
MSVOA_F
ClientSampleId :
RBR-200052

Tot Ion:114 Resp: 467836
Ion Ratio Lower Upper
114 100
63 17.7 0.0 35.6
88 18.3 0.0 35.6

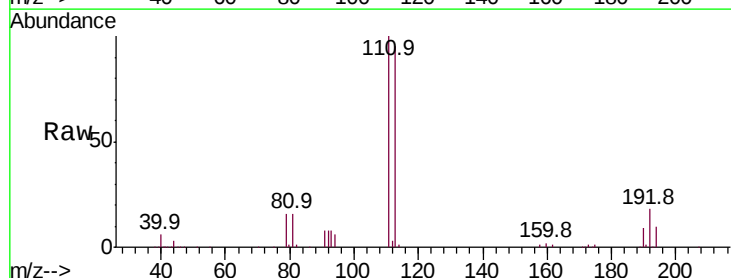


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 63.00 (62.70 to 63.70): VF0
Ion 88.00 (87.70 to 88.70): VF0

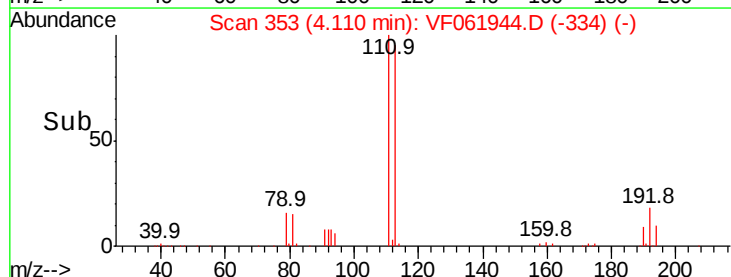
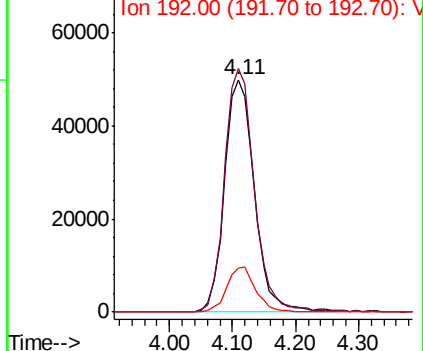


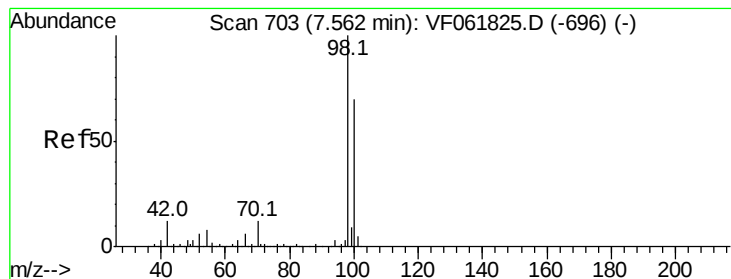
#35
Dibromofluoromethane
Concen: 50.070 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.01 min
Lab File: VF061944.D
Acq: 14 Mar 2019 17:51

Tgt Ion:113 Resp: 163472
Ion Ratio Lower Upper
113 100
111 104.9 77.6 116.4
192 18.7 15.9 23.9



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: 43.898 ug/l

RT: 7.55 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF061944.D

Acq: 14 Mar 2019 17:51

Instrument :

MSVOA_F

ClientSampleId :

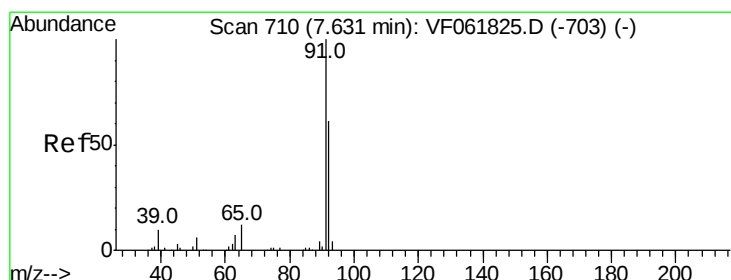
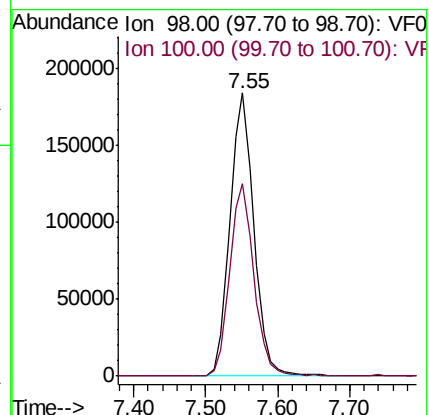
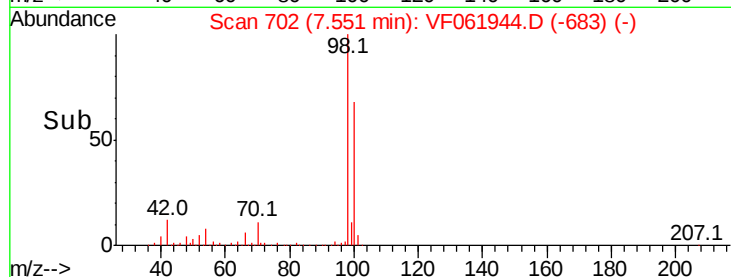
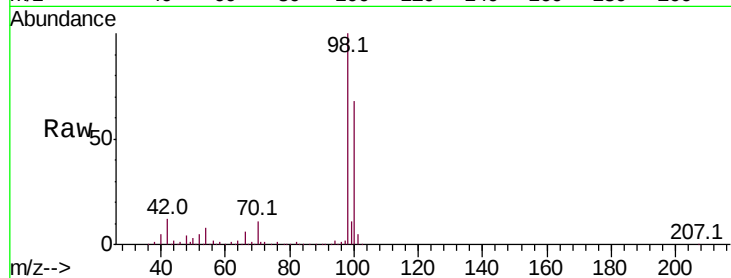
RBR-200052

Tot Ion: 98 Resp: 425998

Ion Ratio Lower Upper

98 100

100 68.2 56.0 84.0



#52

Toluene

Concen: 4.019 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.01 min

Lab File: VF061944.D

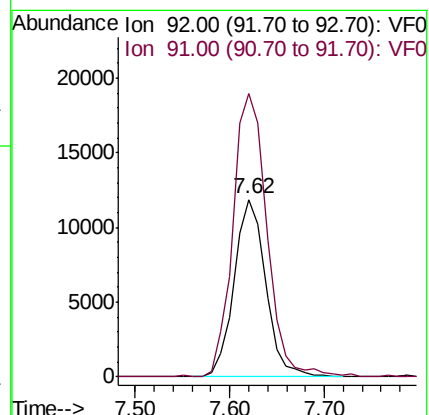
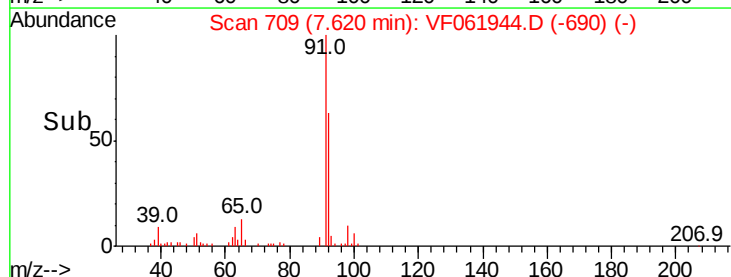
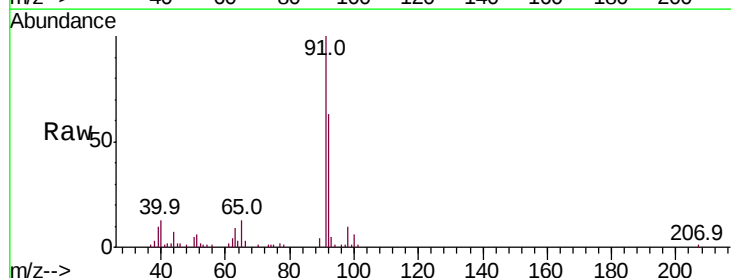
Acq: 14 Mar 2019 17:51

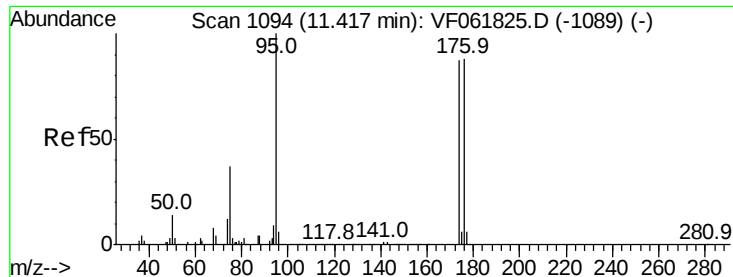
Tgt Ion: 92 Resp: 27466

Ion Ratio Lower Upper

92 100

91 159.7 132.0 198.0





#62

4-Bromofluorobenzene

Concen: 43.015 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF061944.D

Acq: 14 Mar 2019 17:51

Instrument :

MSVOA_F

ClientSampleId :

RBR-200052

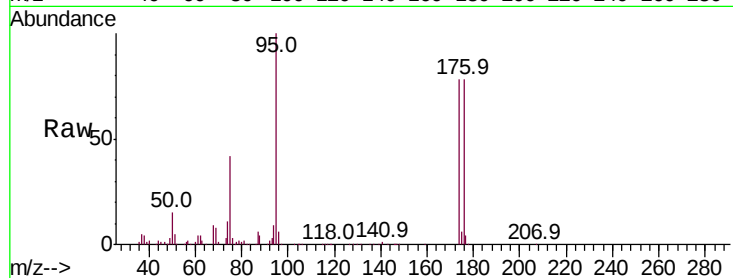
Tot Ion: 95 Resp: 163516

Ion Ratio Lower Upper

95 100

174 78.4 0.0 174.0

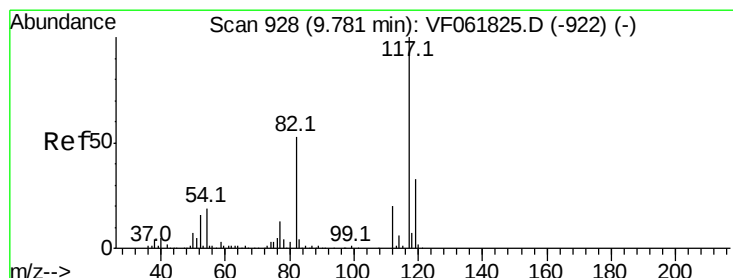
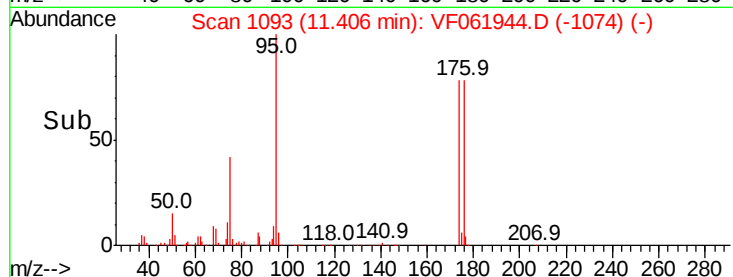
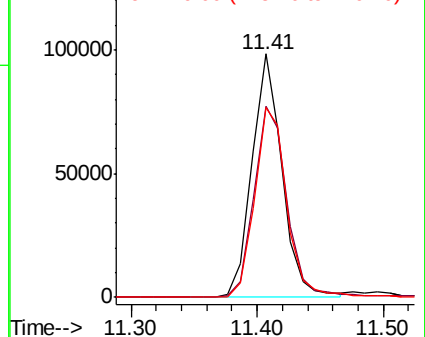
176 77.8 0.0 175.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 927

Delta R.T. -0.01 min

Lab File: VF061944.D

Acq: 14 Mar 2019 17:51

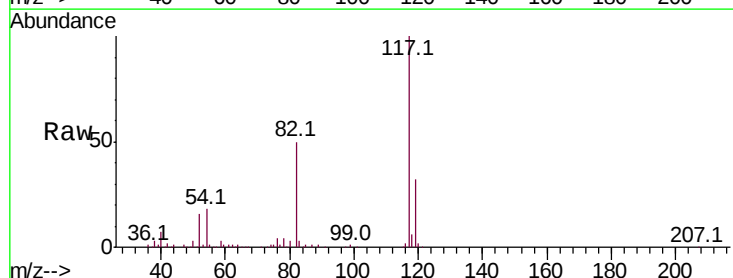
Tgt Ion: 117 Resp: 355502

Ion Ratio Lower Upper

117 100

82 49.7 42.6 63.8

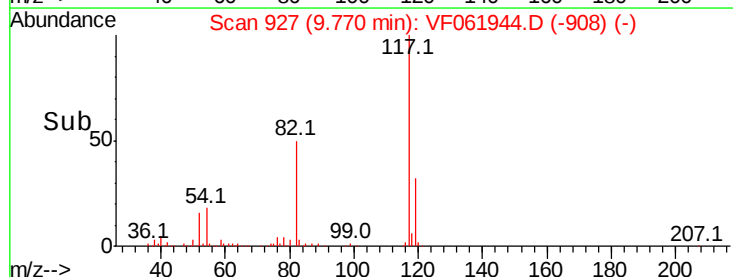
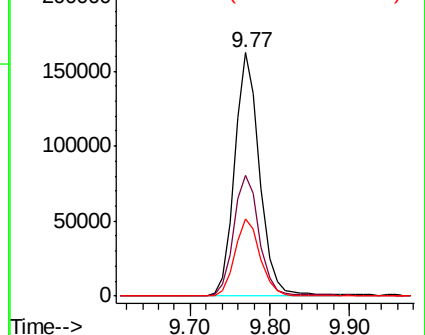
119 31.8 26.0 39.0

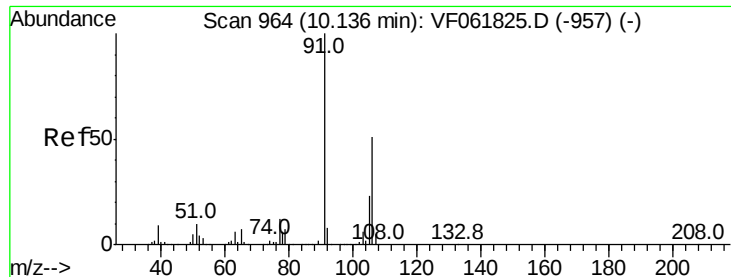


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#68

m/p-Xvlenes

Concen: 1.349 ug/l

RT: 10.12 min Scan# 963

Delta R.T. -0.01 min

Lab File: VF061944.D

Acq: 14 Mar 2019 17:51

Instrument :

MSVOA_F

ClientSampleId :

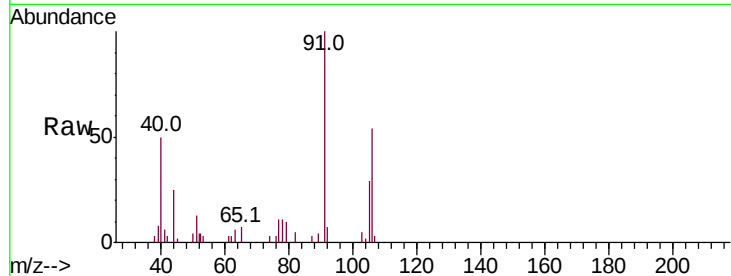
RBR-200052

Tot Ion:106 Resp: 5850

Ion Ratio Lower Upper

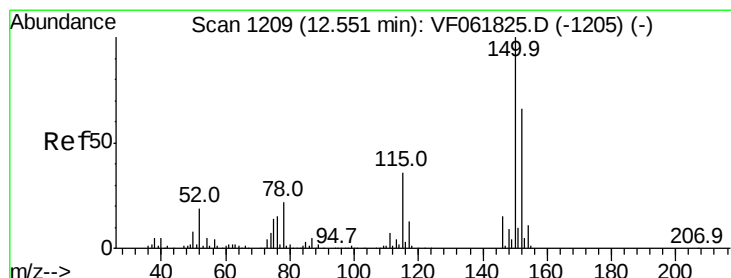
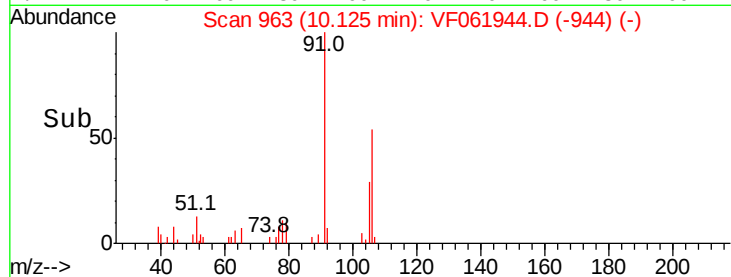
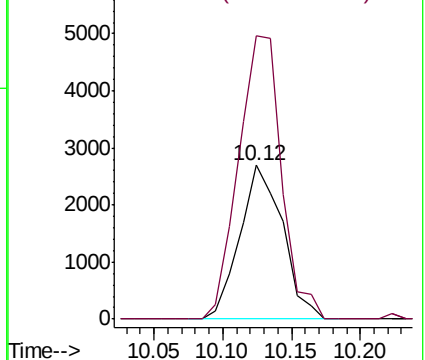
106 100

91 183.9 157.5 236.3



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. -0.00 min

Lab File: VF061944.D

Acq: 14 Mar 2019 17:51

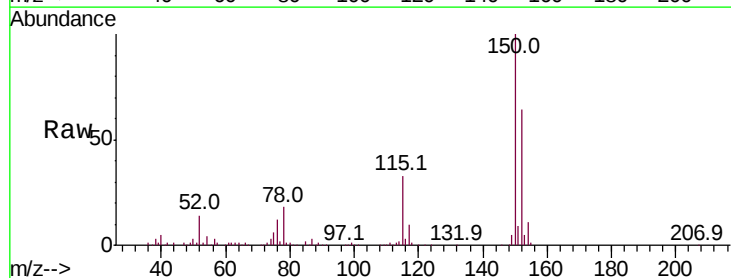
Tgt Ion:152 Resp: 187808

Ion Ratio Lower Upper

152 100

115 50.8 27.7 83.1

150 155.2 0.0 304.2



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

