

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031419\
 Data File : VF061948.D
 Acq On : 14 Mar 2019 19:44
 Operator : VA/AP
 Sample : K1911-04
 Misc : 4.21g/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 RBR200051

Quant Time: Mar 15 01:51:03 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

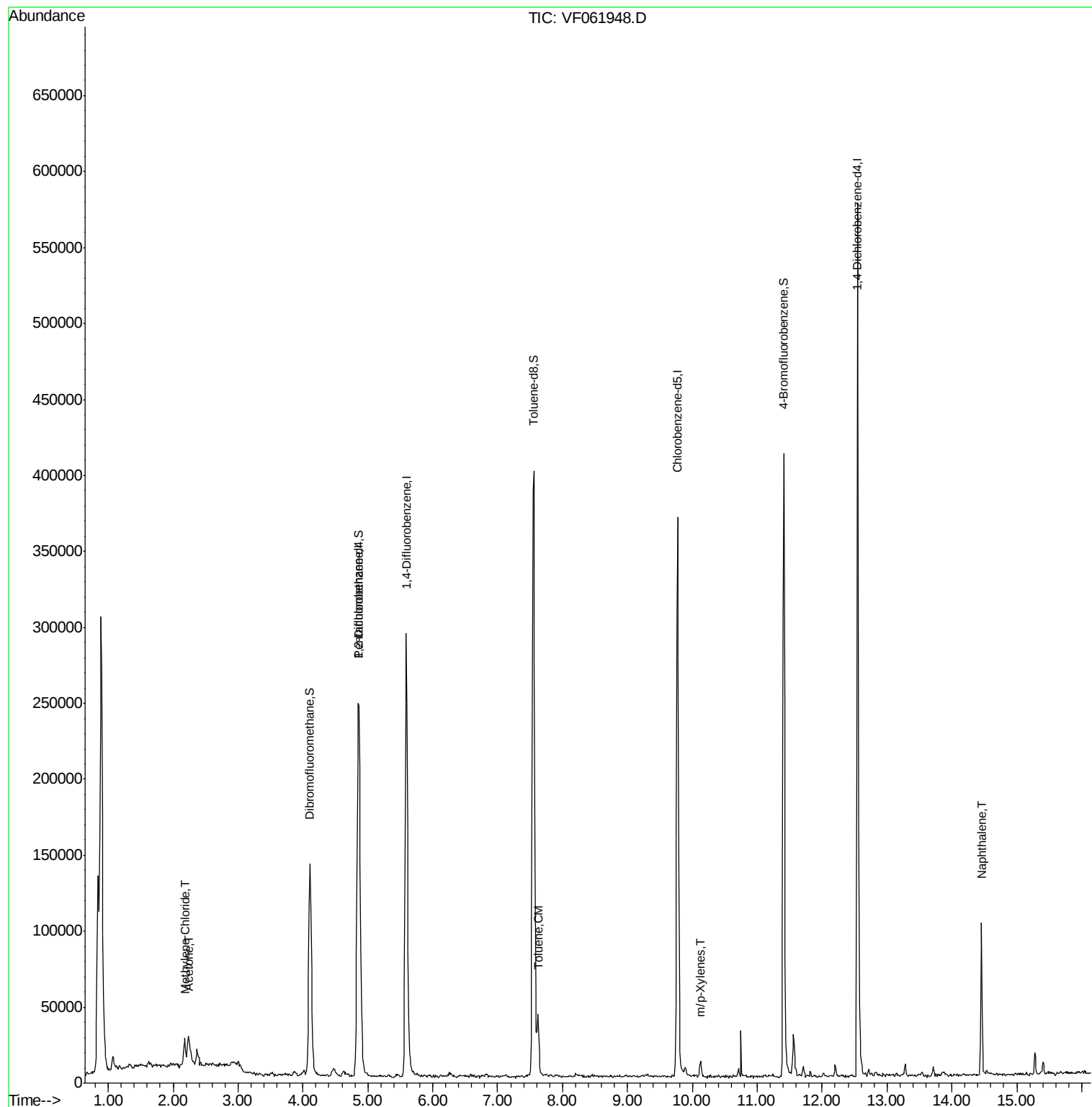
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	222209	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.59	114	367333	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.77	117	293921	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	168396	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	97235	60.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	120.18%	
35) Dibromofluoromethane	4.10	113	143283	55.89	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	111.78%	
50) Toluene-d8	7.55	98	373547	49.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.06%	
62) 4-Bromofluorobenzene	11.41	95	156209	52.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.68%	
Target Compounds						
16) Acetone	2.23	43	13039	38.466	ug/l	98
20) Methylene Chloride	2.18	84	16019m	3.623	ug/l	
52) Toluene	7.62	92	20963	3.907	ug/l	100
68) m/p-Xylenes	10.13	106	3857	1.076	ug/l #	69
95) Naphthalene	14.46	128	79840	12.739	ug/l	98

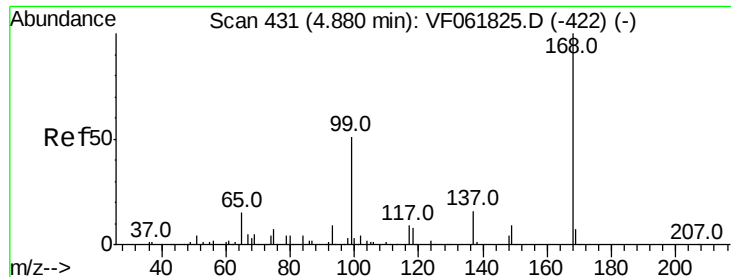
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031419\
Data File : VF061948.D
Acq On : 14 Mar 2019 19:44
Operator : VA/AP
Sample : K1911-04
Misc : 4.21g/5mL/MSVOA-F/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
RBR200051

Quant Time: Mar 15 01:51:03 2019
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: 4.86 min Scan# 429

Delta R.T. -0.02 min

Lab File: VF061948.D

Acq: 14 Mar 2019 19:44

Instrument :

MSVOA_F

ClientSampleId :

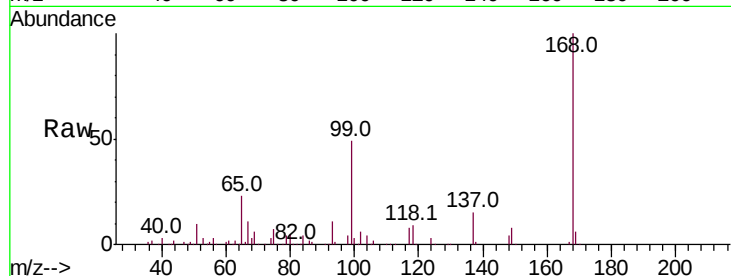
RBR200051

Tot Ion:168 Resp: 222209

Ion Ratio Lower Upper

168 100

99 49.0 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

80000

60000

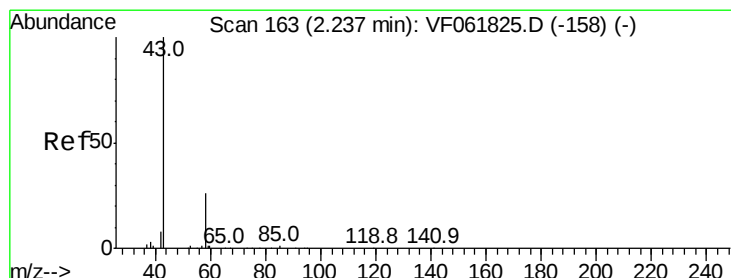
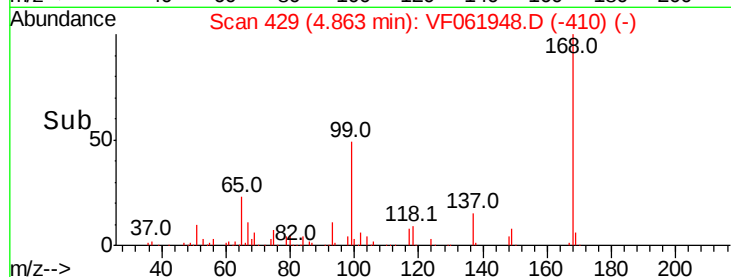
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#16

Acetone

Concen: 38.466 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061948.D

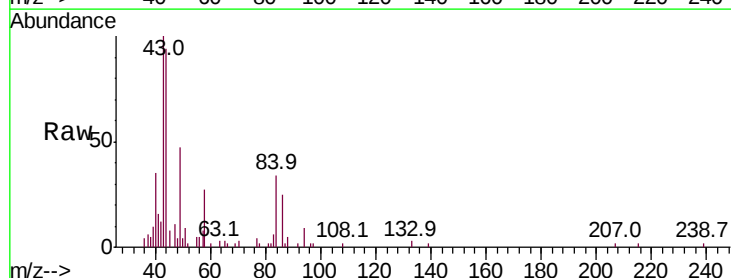
Acq: 14 Mar 2019 19:44

Tgt Ion: 43 Resp: 13039

Ion Ratio Lower Upper

43 100

58 26.6 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.23

6000

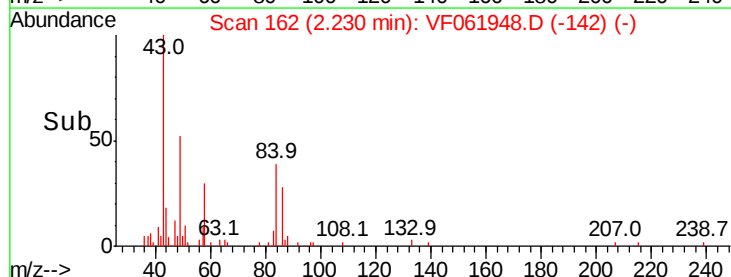
4000

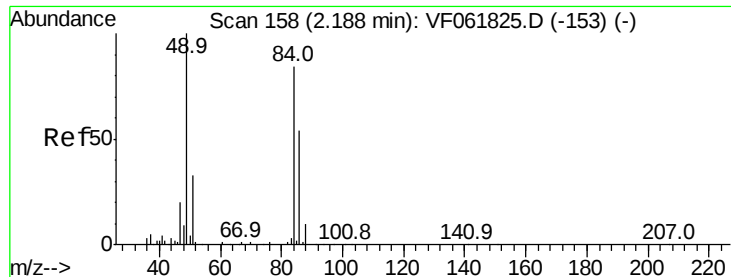
2000

0

Time-->

2.10 2.20 2.30

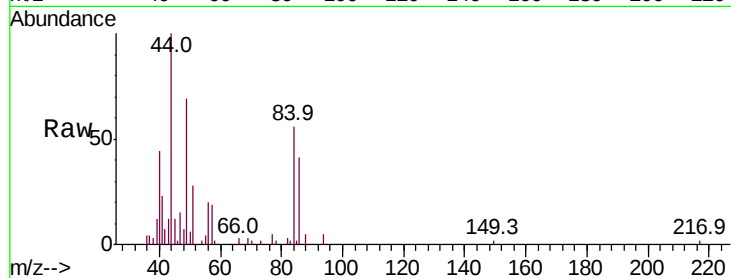




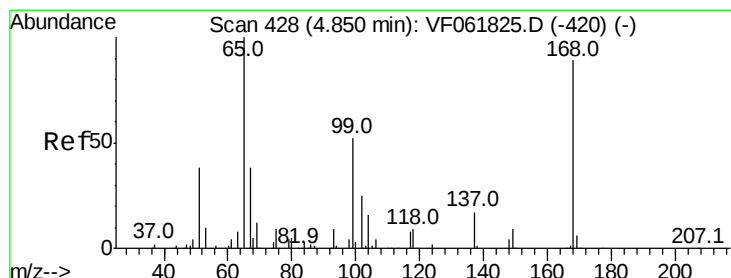
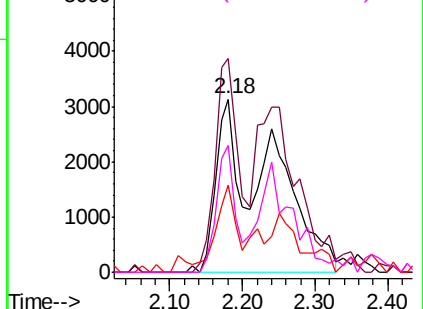
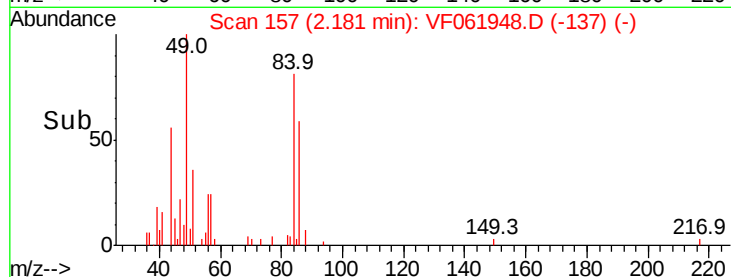
#20
Methvlene Chloride
Concen: 3.623 ug/l m
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF061948.D
Acq: 14 Mar 2019 19:44

Instrument :
MSVOA_F
ClientSampleId :
RBR200051

Tot Ion: 84 Resp: 16019
Ion Ratio Lower Upper
84 100
49 123.4 96.8 145.2
51 50.2 31.8 47.6#
86 73.0 51.6 77.4

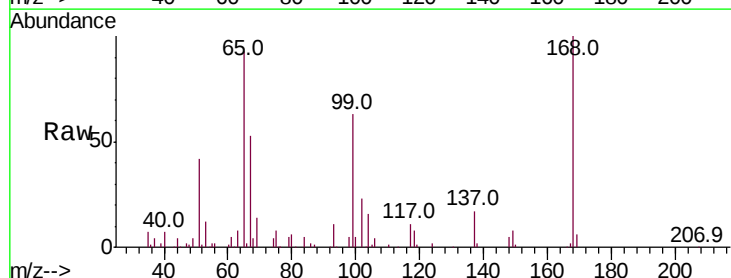


Abundance Ion 84.00 (83.70 to 84.70): VF0
Ion 49.00 (48.70 to 49.70): VF0
Ion 51.00 (50.70 to 51.70): VF0
Ion 86.00 (85.70 to 86.70): VF0

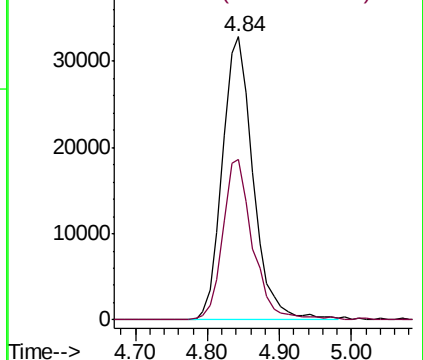
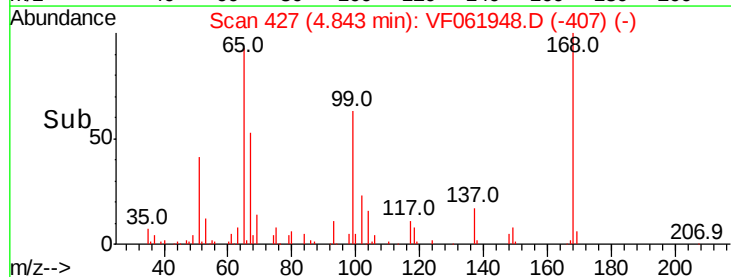


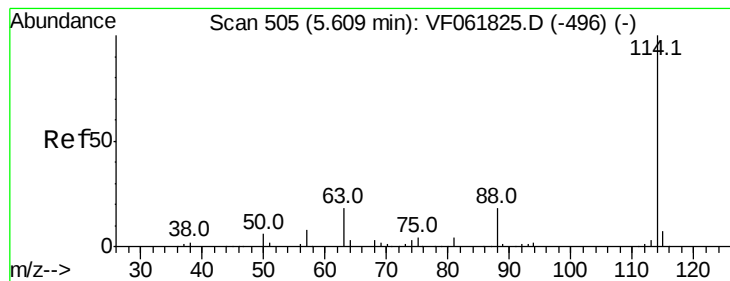
#33
1,2-Dichloroethane-d4
Concen: 60.087 ug/l
RT: 4.84 min Scan# 427
Delta R.T. -0.01 min
Lab File: VF061948.D
Acq: 14 Mar 2019 19:44

Tgt Ion: 65 Resp: 97235
Ion Ratio Lower Upper
65 100
67 56.8 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: 5.59 min Scan# 503

Delta R.T. -0.02 min

Lab File: VF061948.D

Acq: 14 Mar 2019 19:44

Instrument :

MSVOA_F

ClientSampleId :

RBR200051

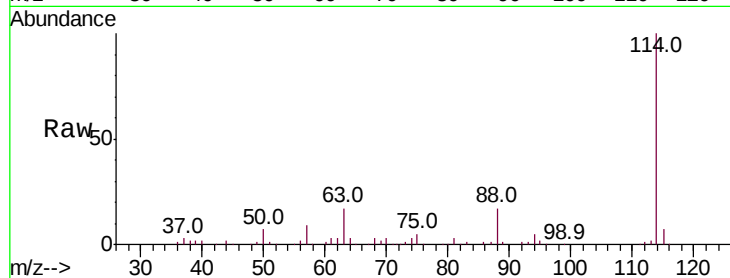
Tot Ion:114 Resp: 367333

Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.6

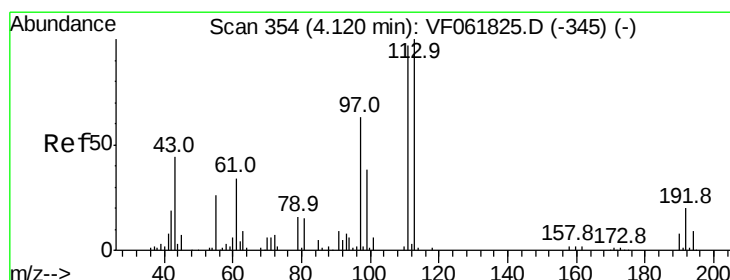
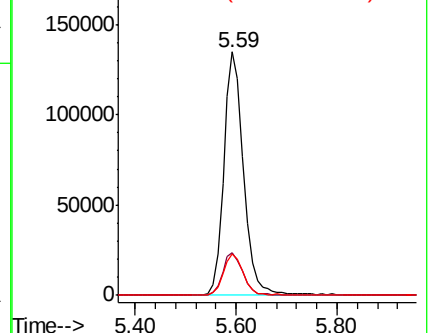
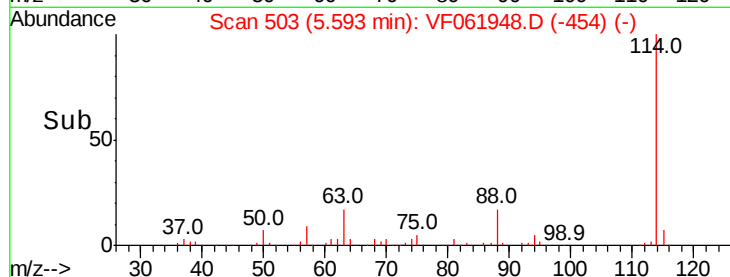
88 17.2 0.0 35.6



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: 55.893 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.02 min

Lab File: VF061948.D

Acq: 14 Mar 2019 19:44

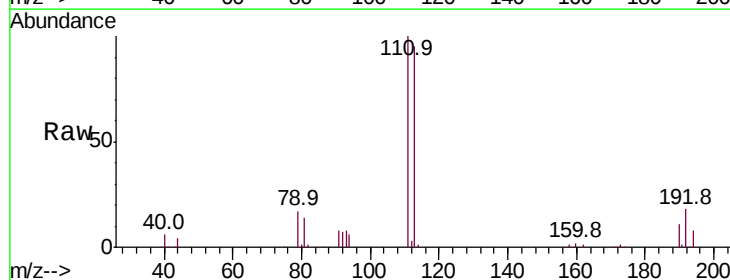
Tgt Ion:113 Resp: 143283

Ion Ratio Lower Upper

113 100

111 105.1 77.6 116.4

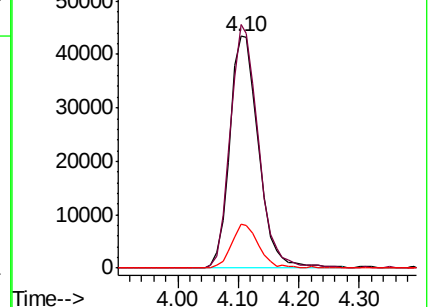
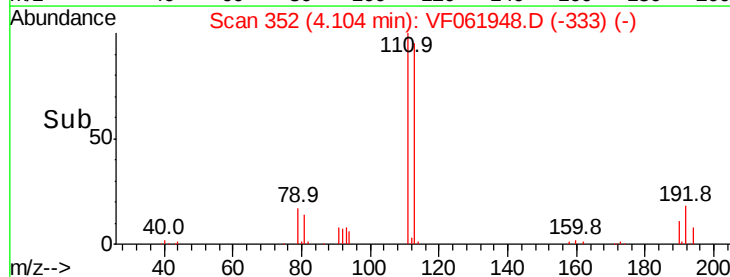
192 19.3 15.9 23.9

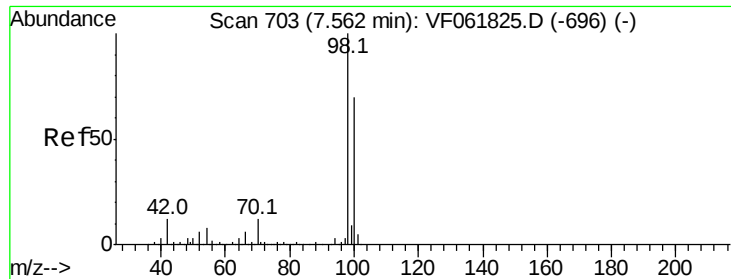


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

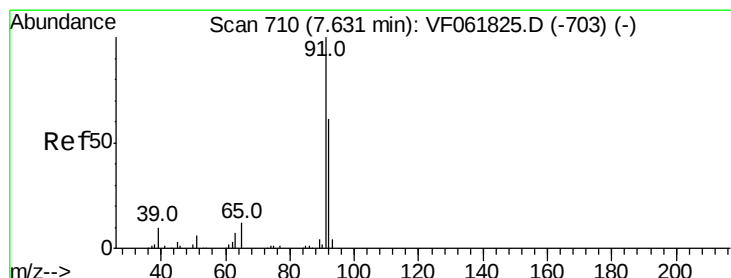
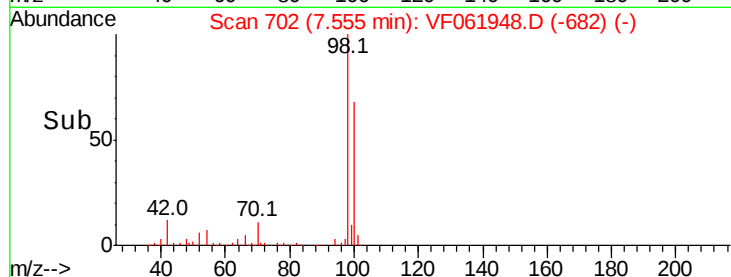
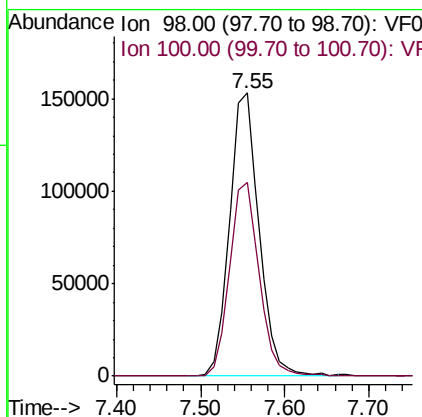
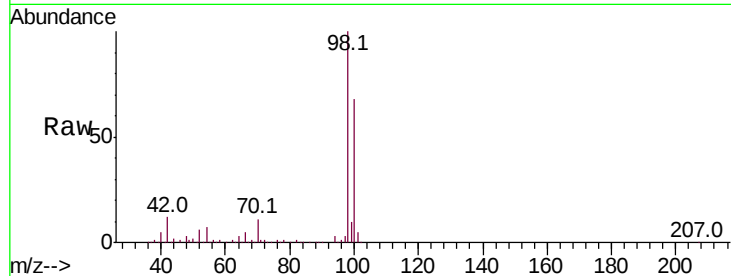




#50
Toluene-d8
Concen: 49.025 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.01 min
Lab File: VF061948.D
Acq: 14 Mar 2019 19:44

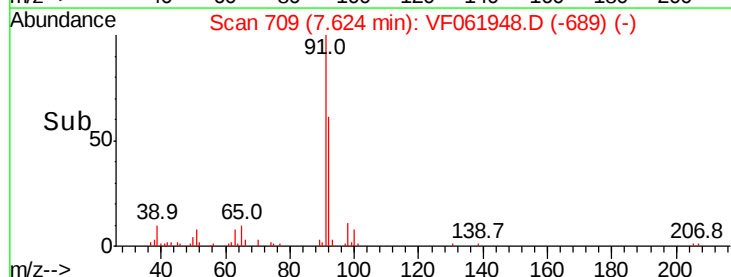
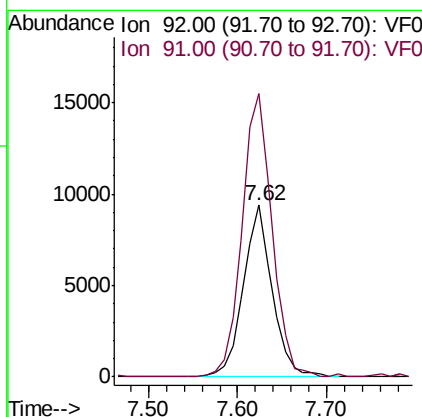
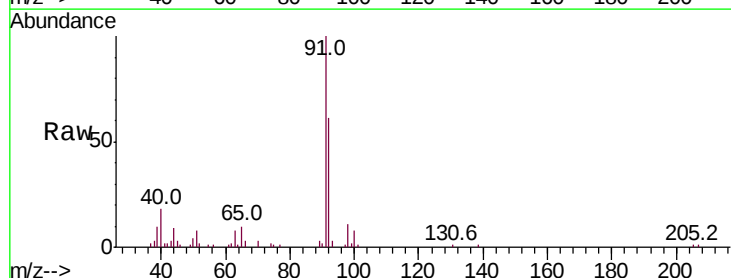
Instrument :
MSVOA_F
ClientSampleId :
RBR200051

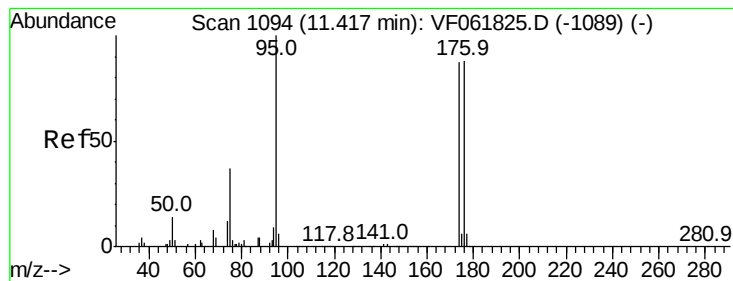
Tot Ion: 98 Resp: 373547
Ion Ratio Lower Upper
98 100
100 68.2 56.0 84.0



#52
Toluene
Concen: 3.907 ug/l
RT: 7.62 min Scan# 709
Delta R.T. -0.01 min
Lab File: VF061948.D
Acq: 14 Mar 2019 19:44

Tgt Ion: 92 Resp: 20963
Ion Ratio Lower Upper
92 100
91 164.8 132.0 198.0





#62

4-Bromofluorobenzene

Concen: 52.336 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF061948.D

Acq: 14 Mar 2019 19:44

Instrument :

MSVOA_F

ClientSampleId :

RBR200051

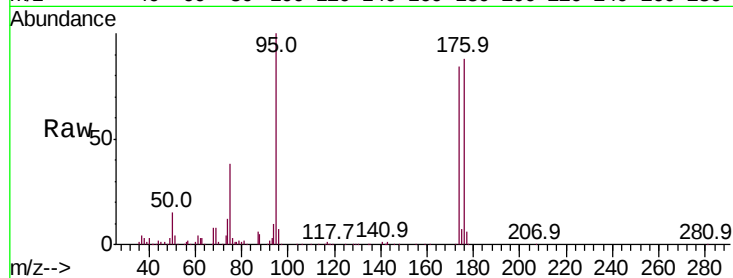
Tot Ion: 95 Resp: 156209

Ion Ratio Lower Upper

95 100

174 84.3 0.0 174.0

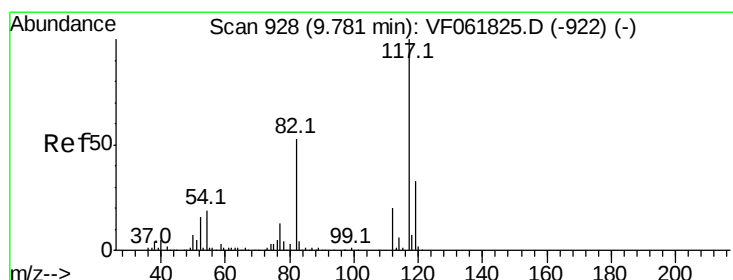
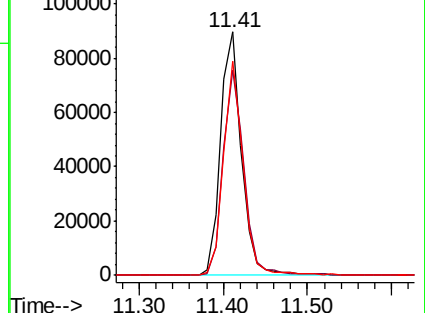
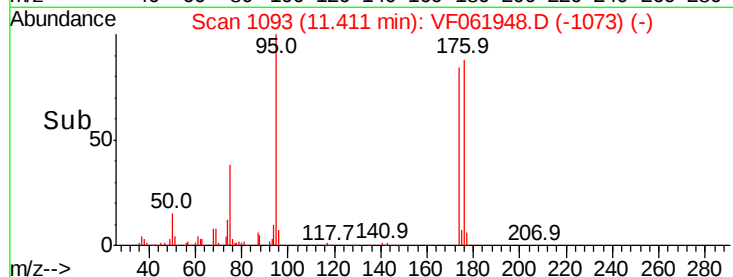
176 88.0 0.0 175.2



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: 9.77 min Scan# 927

Delta R.T. -0.01 min

Lab File: VF061948.D

Acq: 14 Mar 2019 19:44

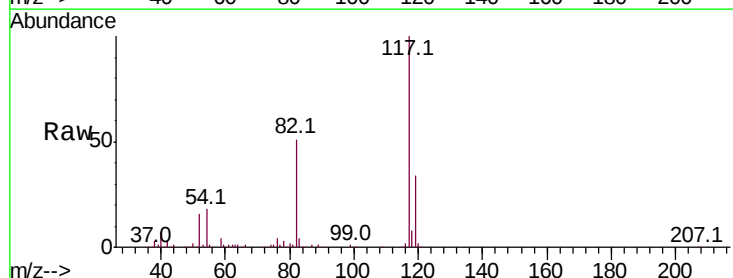
Tgt Ion: 117 Resp: 293921

Ion Ratio Lower Upper

117 100

82 50.5 42.6 63.8

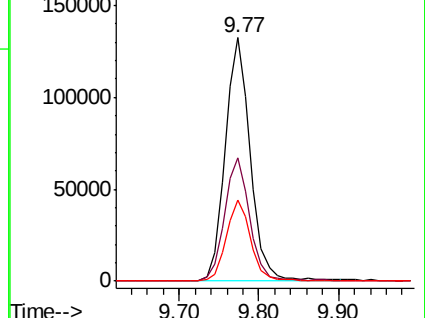
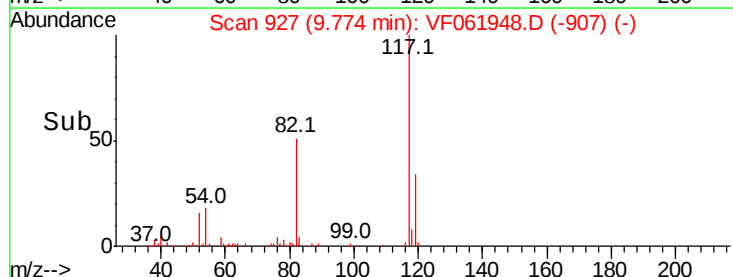
119 33.5 26.0 39.0

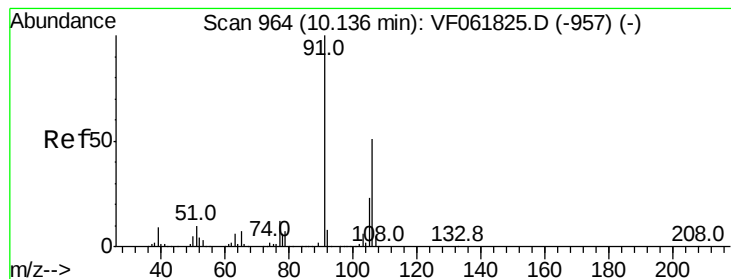


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#68

m/p-Xvlenes

Concen: 1.076 ug/l

RT: 10.13 min Scan# 963

Delta R.T. -0.01 min

Lab File: VF061948.D

Acq: 14 Mar 2019 19:44

Instrument :

MSVOA_F

ClientSampleId :

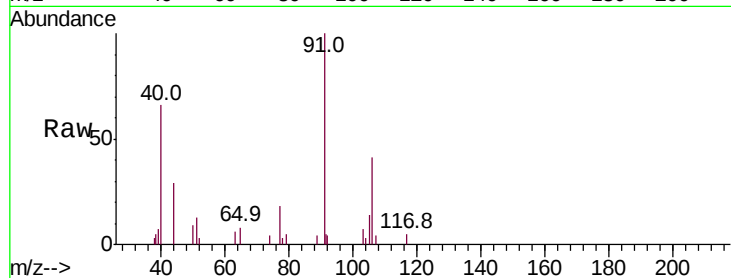
RBR200051

Tot Ion:106 Resp: 3857

Ion Ratio Lower Upper

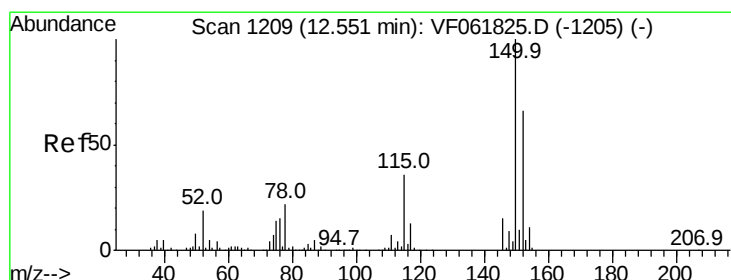
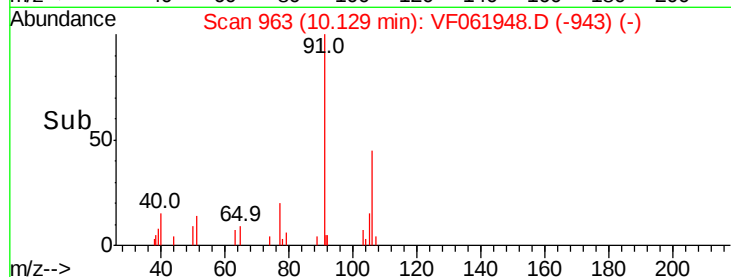
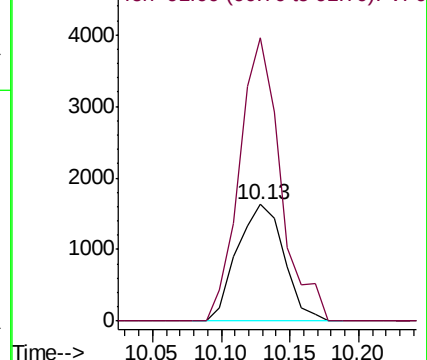
106 100

91 243.0 157.5 236.3#



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: 12.54 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VF061948.D

Acq: 14 Mar 2019 19:44

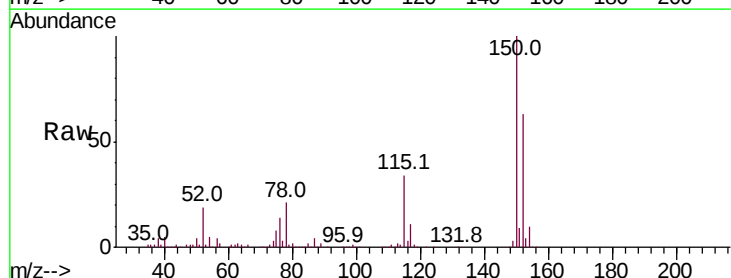
Tgt Ion:152 Resp: 168396

Ion Ratio Lower Upper

152 100

115 54.0 27.7 83.1

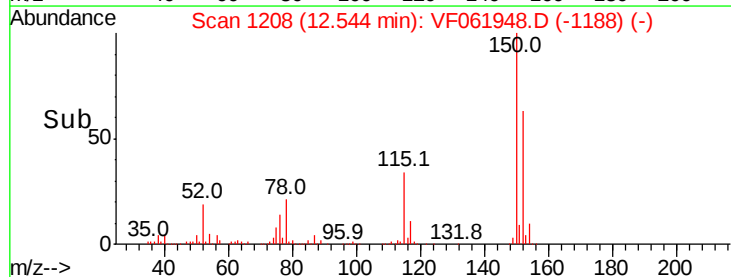
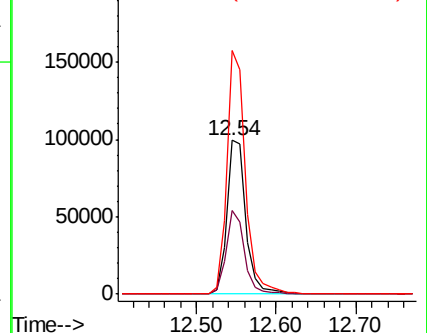
150 158.4 0.0 304.2

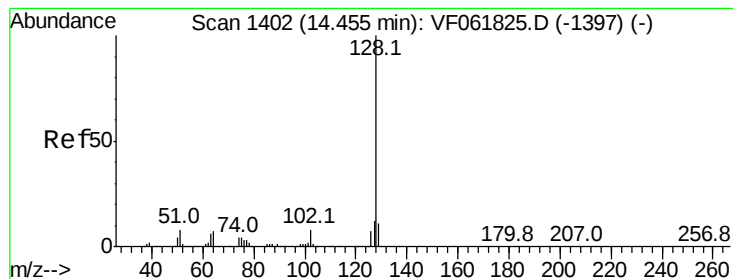


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#95

Naphthalene

Concen: 12.739 ug/l

RT: 14.46 min Scan# 1402

Delta R.T. 0.00 min

Lab File: VF061948.D

Acq: 14 Mar 2019 19:44

Instrument :

MSVOA_F

ClientSampleId :

RBR200051

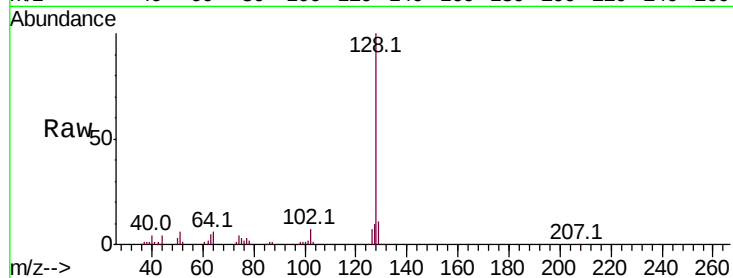
Tot Ion:128 Resp: 79840

Ion Ratio Lower Upper

128 100

127 10.1 9.3 13.9

129 11.0 8.8 13.2



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

