

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 01:19:25 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	97235	60.09	ug/l	0.00
Spiked Amount			Recovery	=	120.18%	
35) Dibromofluoromethane	4.10	113	143283	55.89	ug/l	-0.02
Spiked Amount			Recovery	=	111.78%	
50) Toluene-d8	7.55	98	373547	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
62) 4-Bromofluorobenzene	11.41	95	156209	52.34	ug/l	0.00
Spiked Amount			Recovery	=	104.68%	

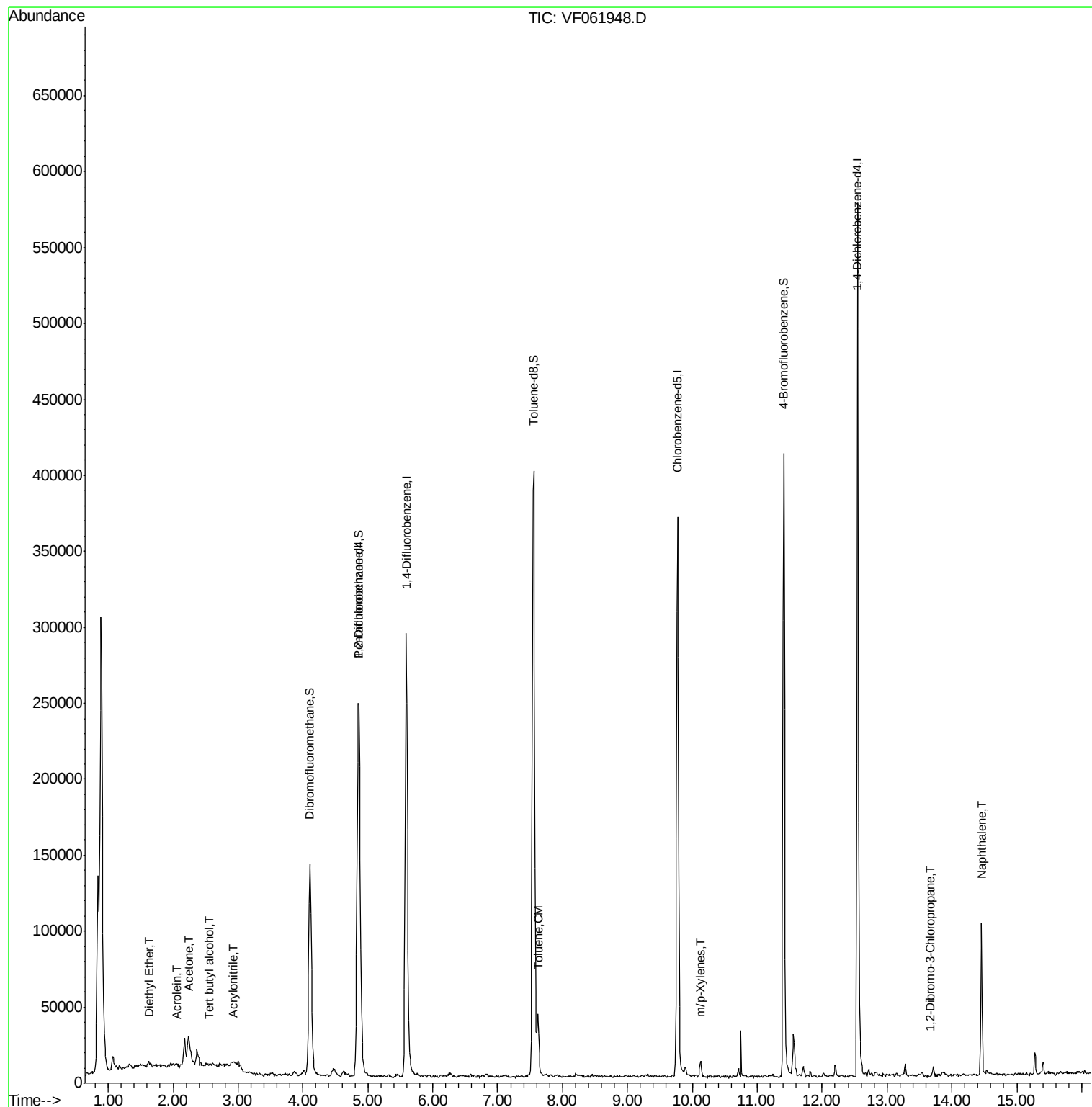
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.63	74	1358	1.948	ug/l	80
11) Tert butyl alcohol	2.57	59	314	3.419	ug/l #	1
13) Acrolein	2.04	56	1178	10.122	ug/l	84
15) Acrylonitrile	2.92	53	447	1.528	ug/l #	16
16) Acetone	2.23	43	13039	38.466	ug/l	98
18) Methyl Acetate	2.38	43	4434	Below Cal	#	62
20) Methylene Chloride	2.18	84	6919	Below Cal	#	93
52) Toluene	7.62	92	20963	3.907	ug/l	100
68) m/p-Xylenes	10.13	106	3857	1.076	ug/l #	69
92) 1,2-Dibromo-3-Chloropropan	13.66	75	83	3.997	ug/l #	1
95) Naphthalene	14.46	128	79840	12.739	ug/l	98

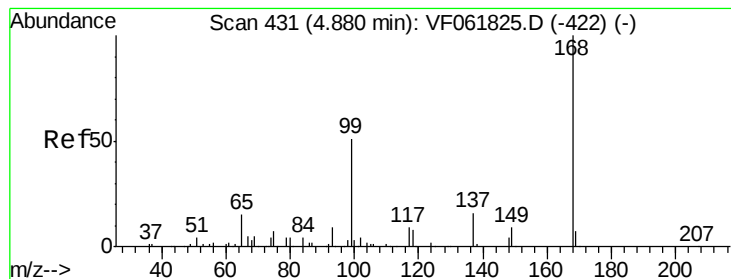
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 01:19:25 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 :

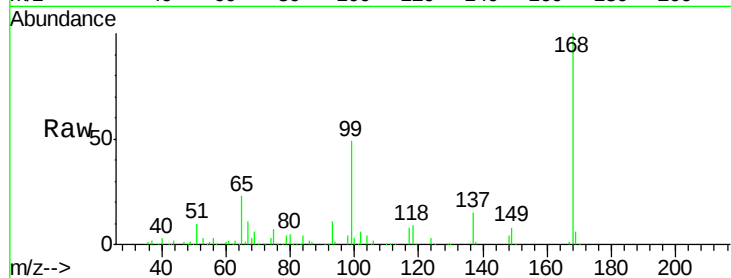
RBR200051

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

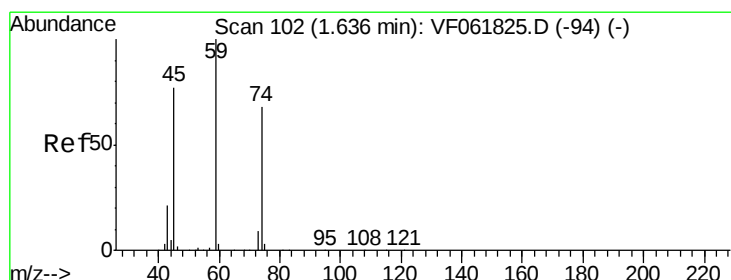
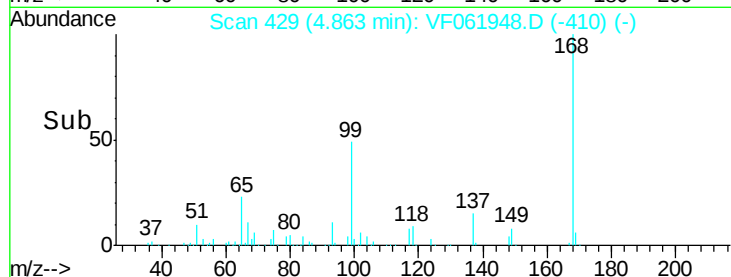
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#8

Diethyl Ether

Concen: 1.948 ug/l

RT: 1.63 min Scan# 101

Delta R.T. -0.01 min

Lab File: VF061948.D

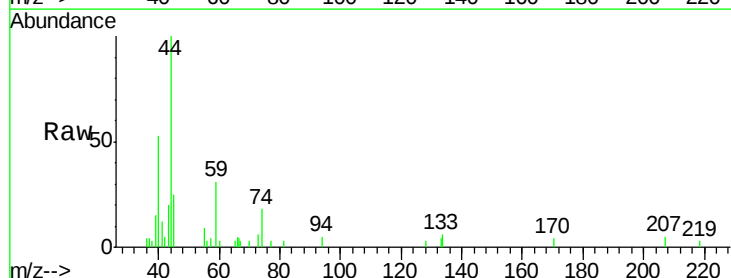
Acq: 14 Mar 2019 19:44

Tgt Ion: 74 Resp: 1358

Ion Ratio Lower Upper

74 100

45 135.6 57.2 171.6



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1.63

1000

800

600

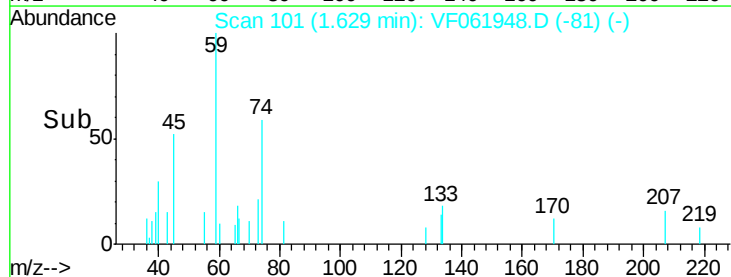
400

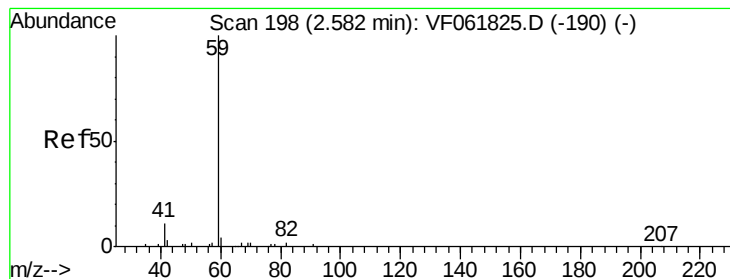
200

0

Time-->

1.60 1.65 1.70



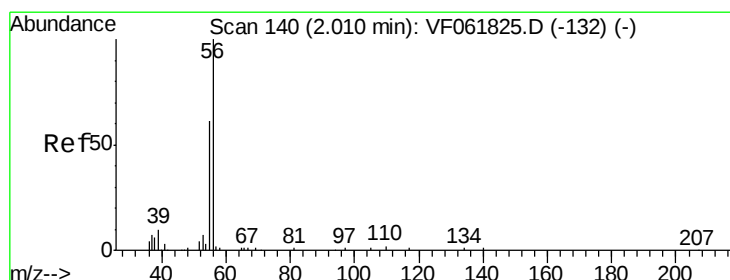
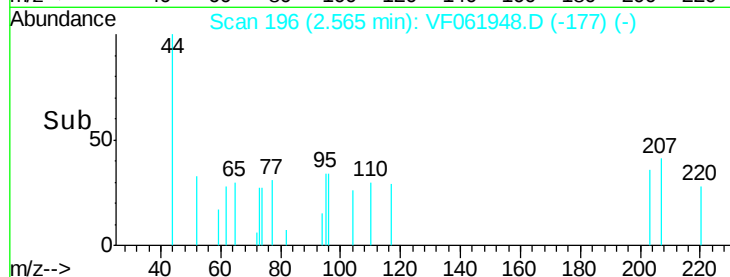
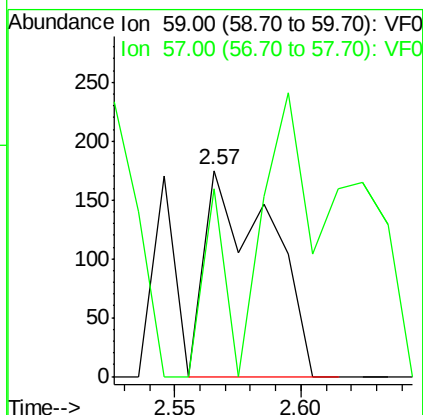
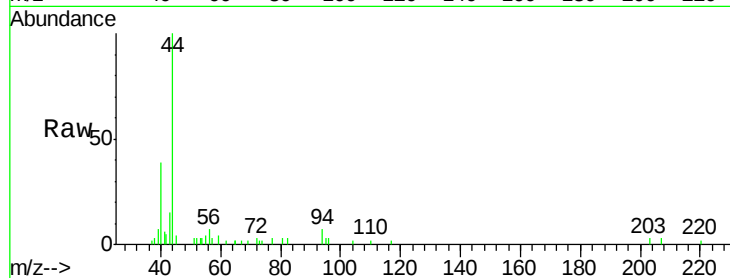


#11

Tert butyl alcohol
Concen: 3.419 ug/l
RT: 2.57 min Scan# 196
Delta R.T. -0.02 min
Lab File: VF061948.D
Acq: 14 Mar 2019 19:44

Instrument :
MSVOA_F
ClientSampled :
RBR200051

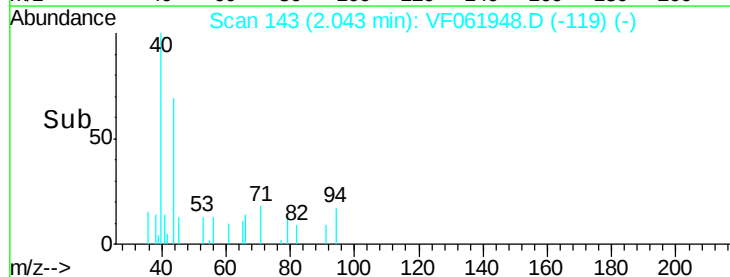
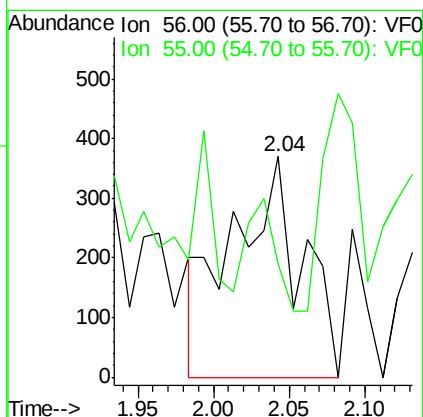
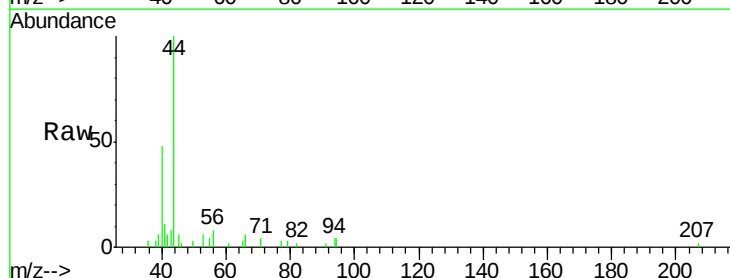
Tot Ion: 59 Resp: 314
Ion Ratio Lower Upper
59 100
57 90.9 11.8 17.6#

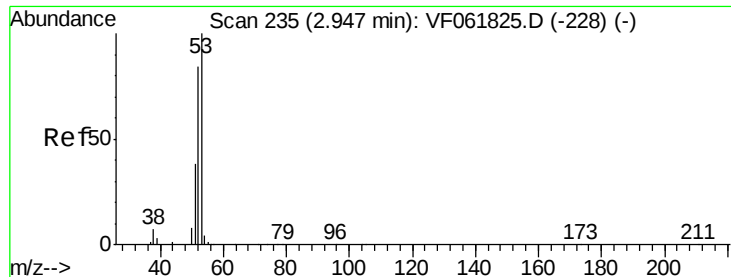


#13

Acrolein
Concen: 10.122 ug/l
RT: 2.04 min Scan# 143
Delta R.T. 0.03 min
Lab File: VF061948.D
Acq: 14 Mar 2019 19:44

Tgt Ion: 56 Resp: 1178
Ion Ratio Lower Upper
56 100
55 51.4 51.3 76.9





#15

Acrylonitrile

Concen: 1.528 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.03 min

Lab File: VF061948.D

Acq: 14 Mar 2019 19:44

Instrument :

MSVOA_F

ClientSampleID :

RBR200051

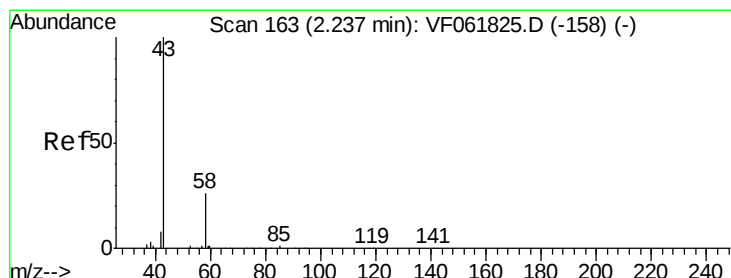
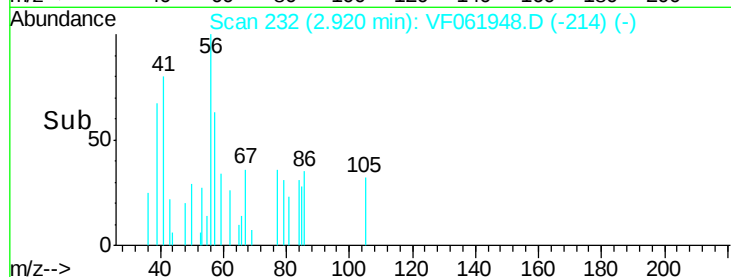
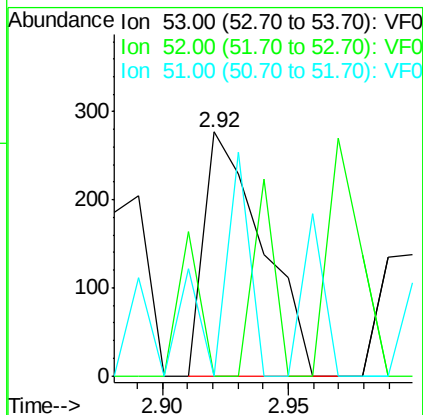
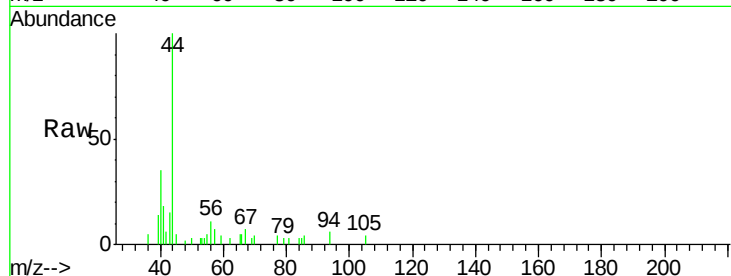
Tot Ion: 53 Resp: 447

Ion Ratio Lower Upper

53 100

52 0.0 67.4 101.0#

51 0.0 30.7 46.1#



#16

Acetone

Concen: 38.466 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061948.D

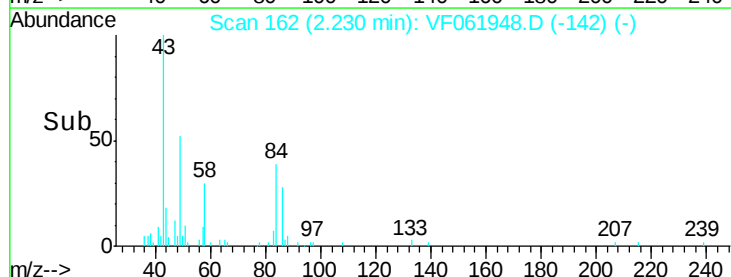
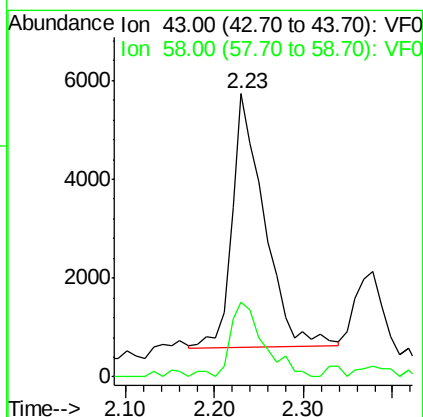
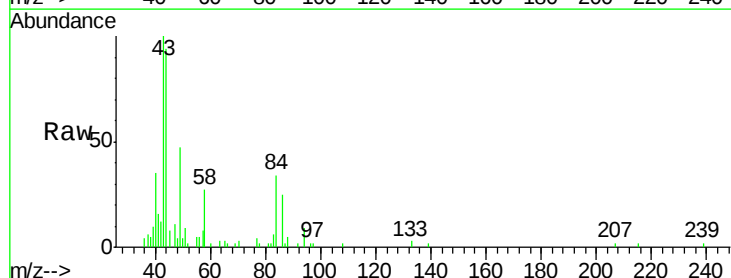
Acq: 14 Mar 2019 19:44

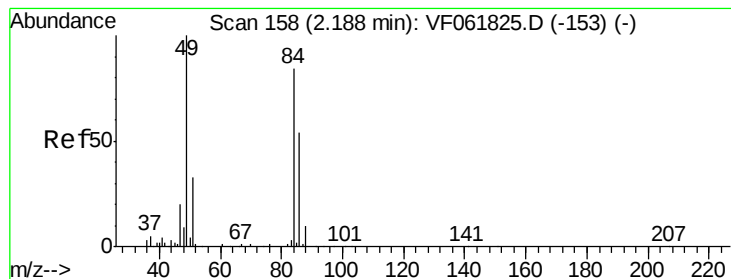
Tgt Ion: 43 Resp: 13039

Ion Ratio Lower Upper

43 100

58 26.6 20.3 30.5



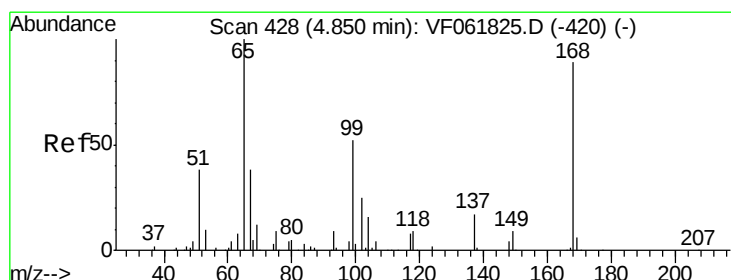
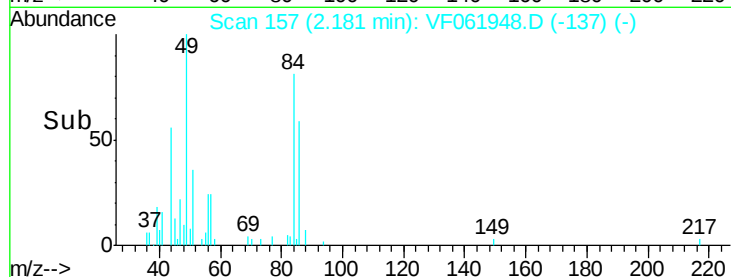
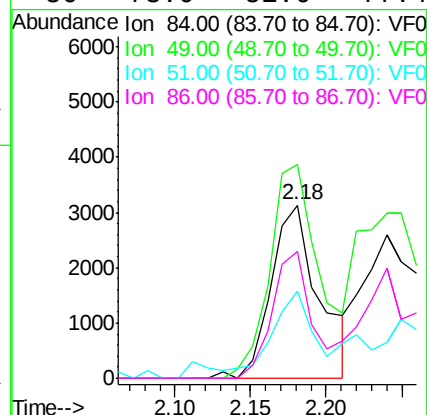
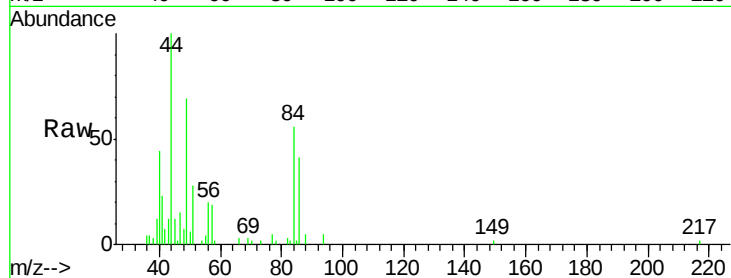


#20

Methvlene Chloride
 Concen: Below Cal
 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

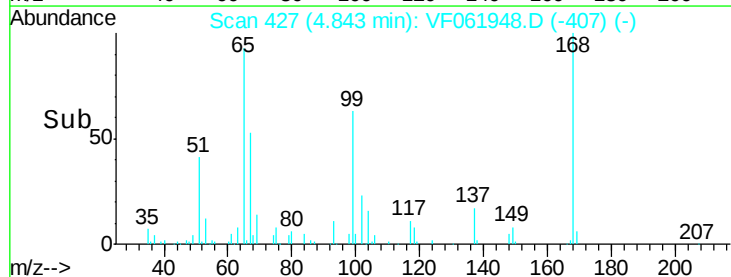
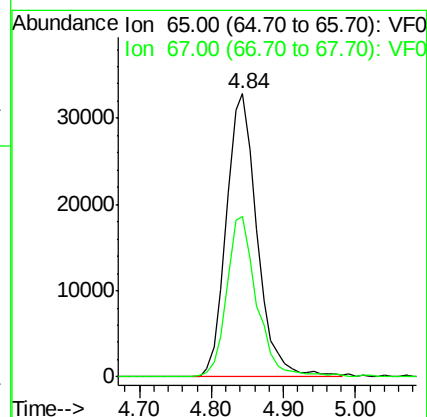
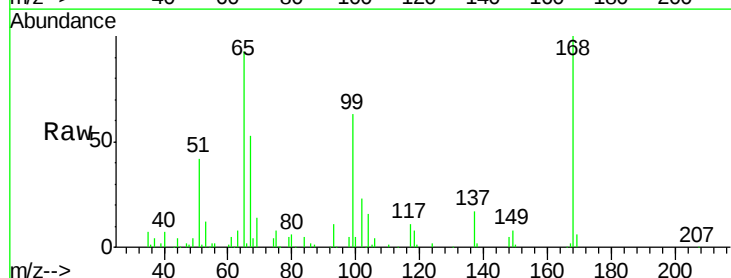
Tot Ion: 84 Resp: 6919
 Ion Ratio Lower Upper
 84 100
 49 123.4 96.8 145.2
 51 50.2 31.8 47.6#
 86 73.0 51.6 77.4

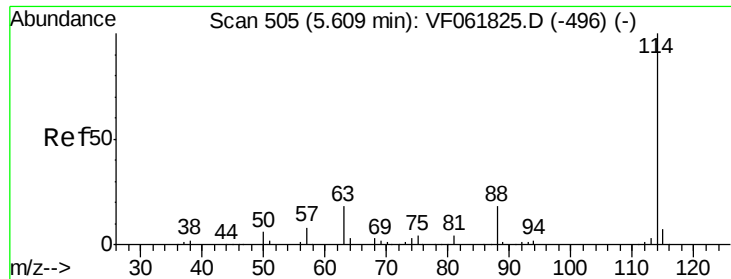


#33

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

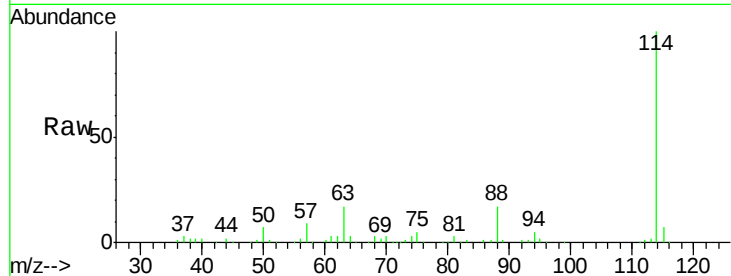




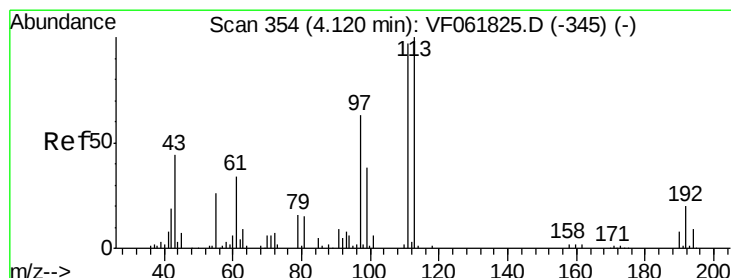
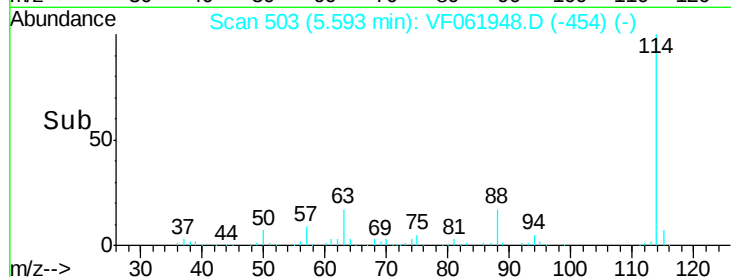
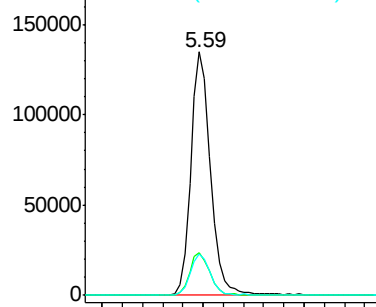
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.02 min
 Lab File: VF061948.D
 Acq: 14 Mar 2019 19:44

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

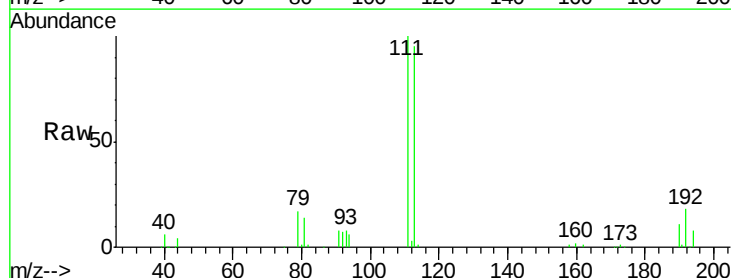


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

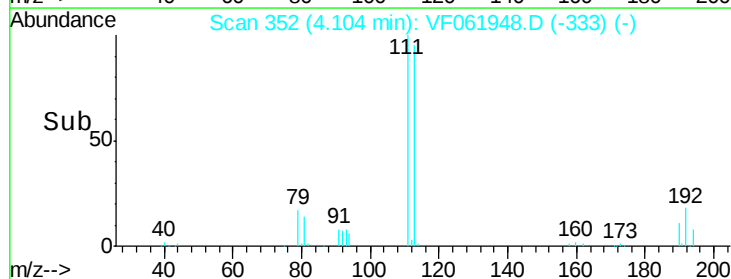
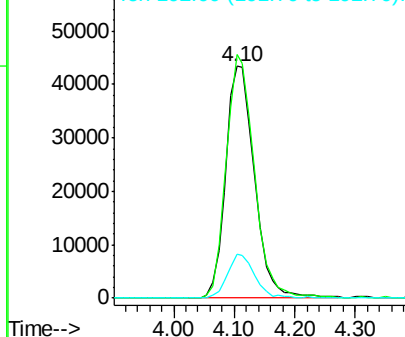


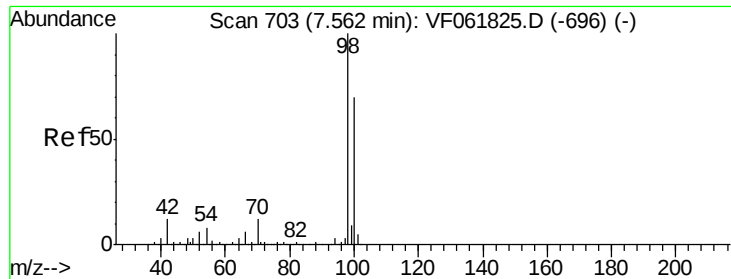
#35
 Dibromofluoromethane
 Concen: 55.893 ug/l
 RT: 4.10 min Scan# 352
 Delta R.T. -0.02 min
 Lab File: VF061948.D
 Acq: 14 Mar 2019 19:44

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

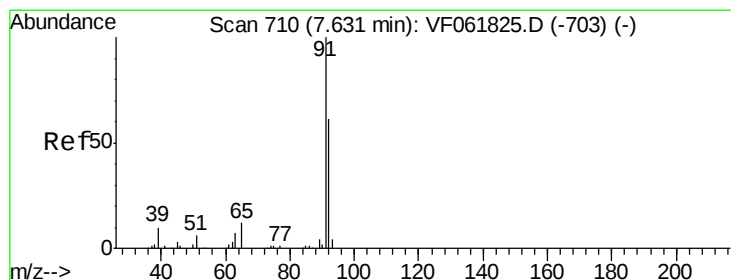
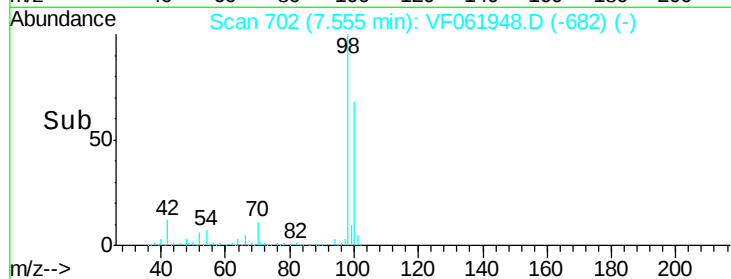
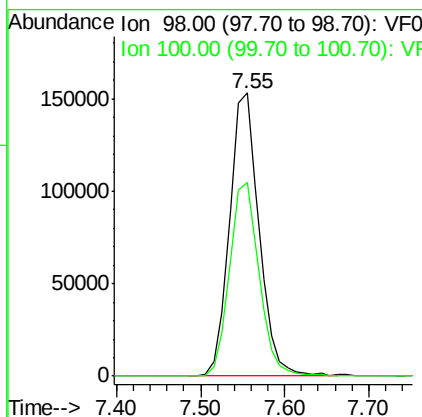
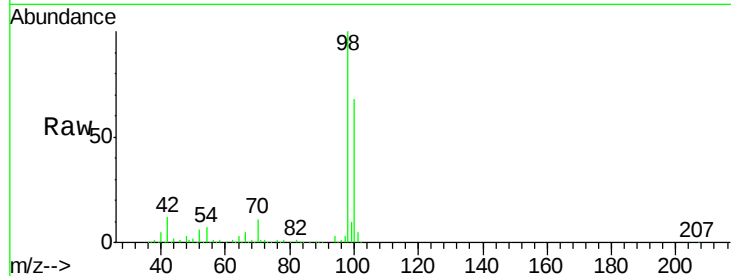




#50
Toluene-d8
Concen: 49.025 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.01 min
Lab File: VF061948.D
Acq: 14 Mar 2019 19:44

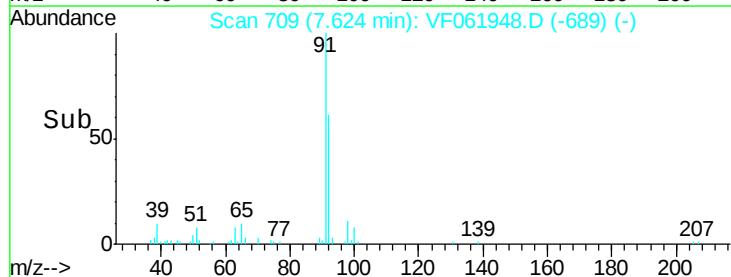
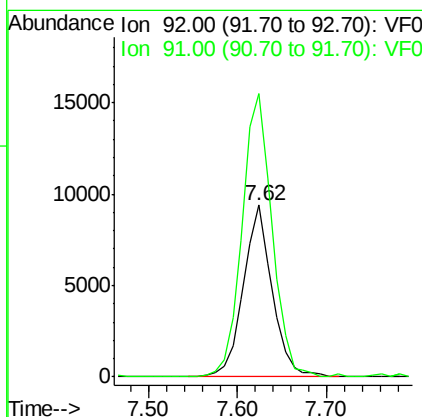
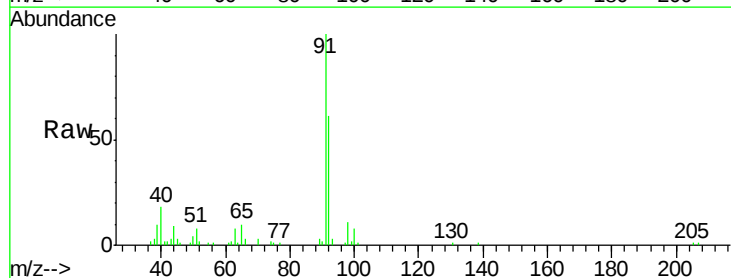
Instrument :
MSVOA_F
ClientSampleId :
RBR200051

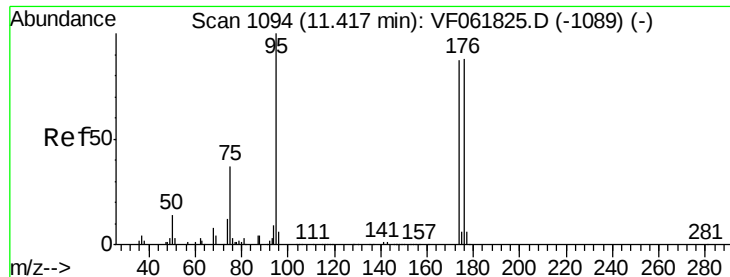
Tot Ion: 98 Resp: 373547
Ion Ratio Lower Upper
98 100
100 68.2 56.0 84.0



#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

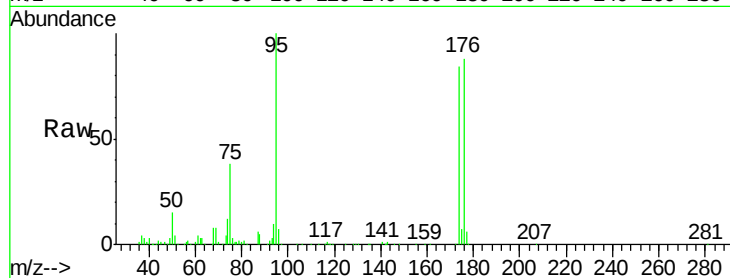
Tot Ion: 95 Resp: 156209

Ion Ratio Lower Upper

95 100

174 84.3 0.0 174.0

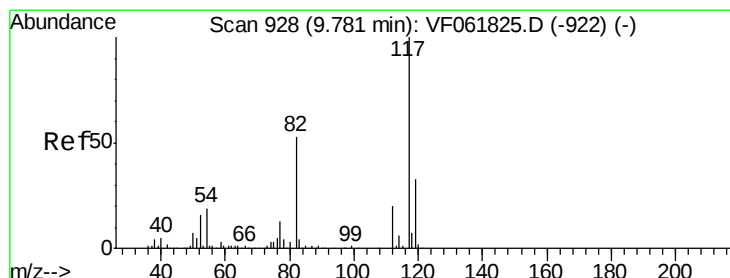
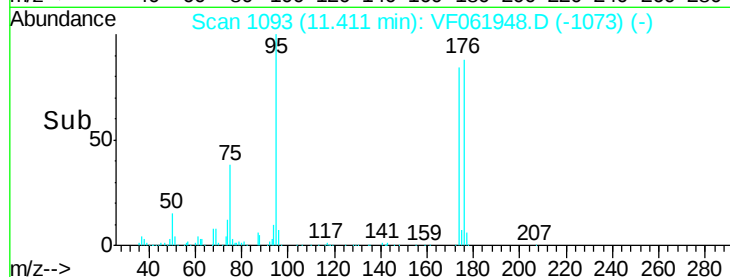
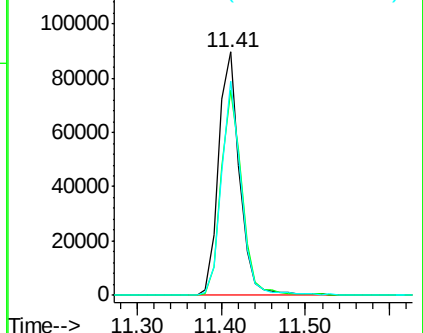
176 88.0 0.0 175.2



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

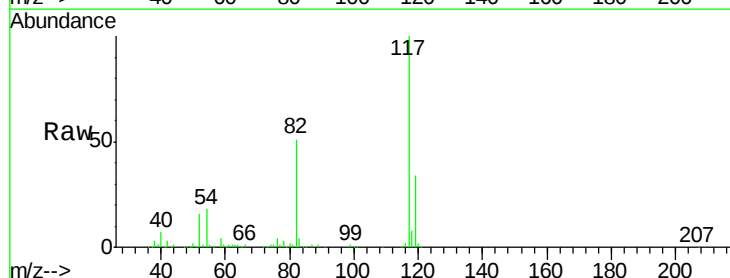
Tgt Ion: 117 Resp: 293921

Ion Ratio Lower Upper

117 100

82 50.5 42.6 63.8

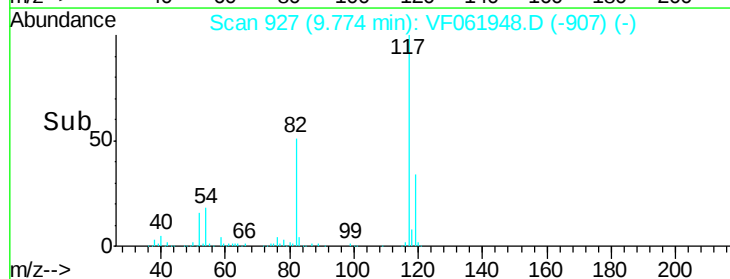
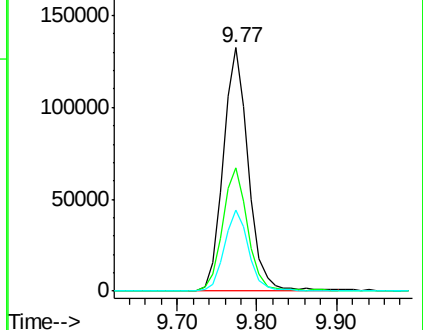
119 33.5 26.0 39.0

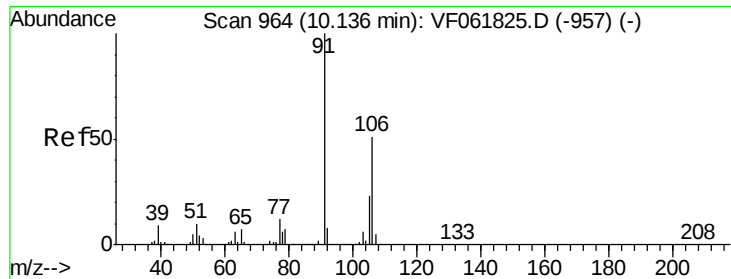


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0

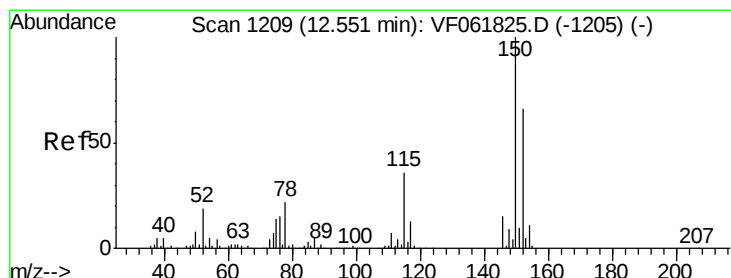
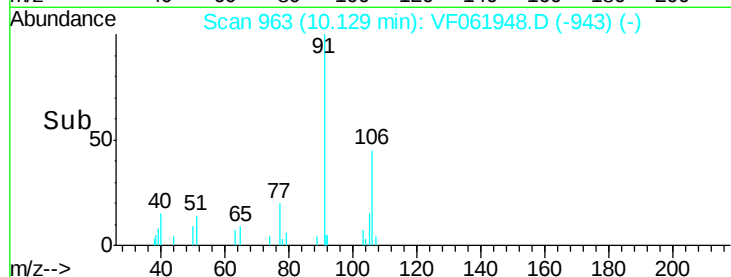
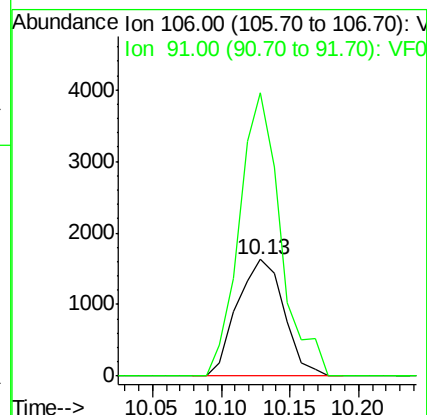
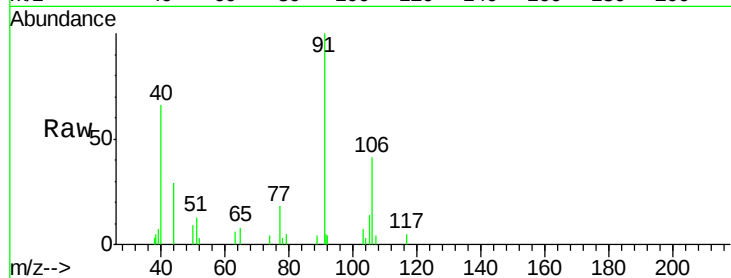




#68
m/p-Xvlenes
Concen: 1.076 ug/l
RT: 10.13 min Scan# 963
Delta R.T. -0.01 min
Lab File: VF061948.D
Acq: 14 Mar 2019 19:44

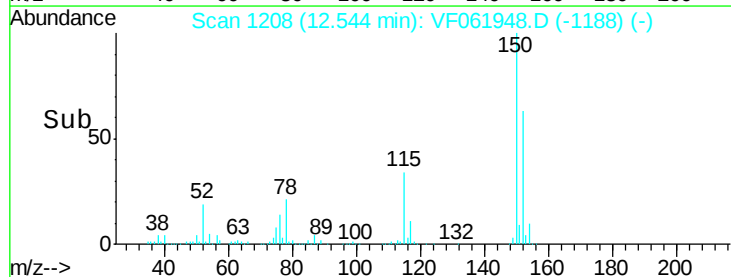
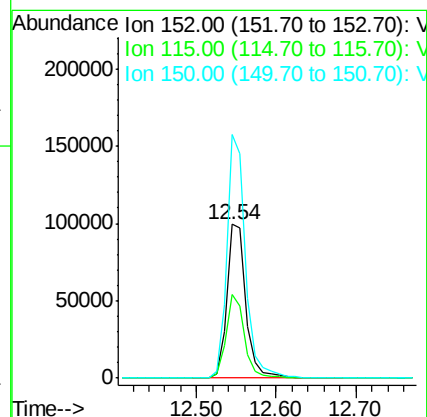
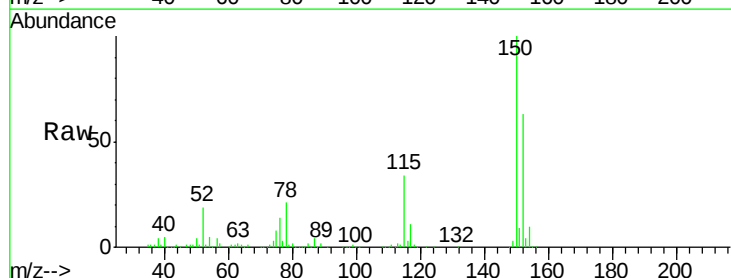
Instrument :
MSVOA_F
ClientSampleId :
RBR200051

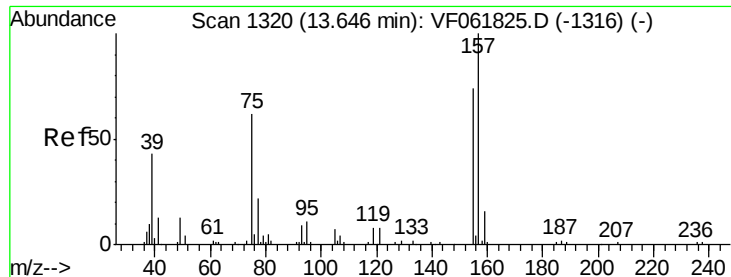
Tot Ion:106 Resp: 3857
Ion Ratio Lower Upper
106 100
91 243.0 157.5 236.3#



#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





#92

1,2-Dibromo-3-Chloropropane

Concen: 3.997 ug/l

RT: 13.66 min Scan# 1321

Delta R.T. 0.01 min

Lab File: VF061948.D

Acq: 14 Mar 2019 19:44

Instrument :

MSVOA_F

ClientSampleId :

RBR200051

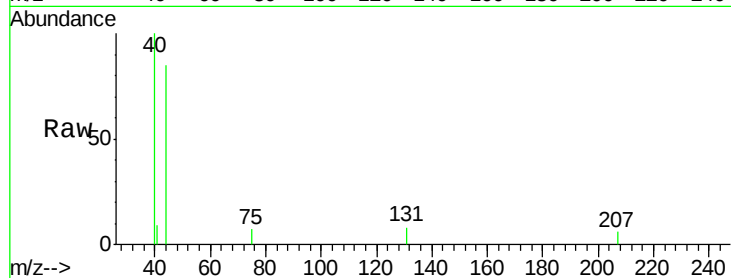
Tot Ion: 75 Resp: 83

Ion Ratio Lower Upper

75 100

155 0.0 59.8 179.4#

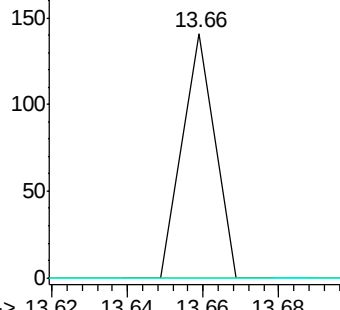
157 0.0 81.2 243.4#



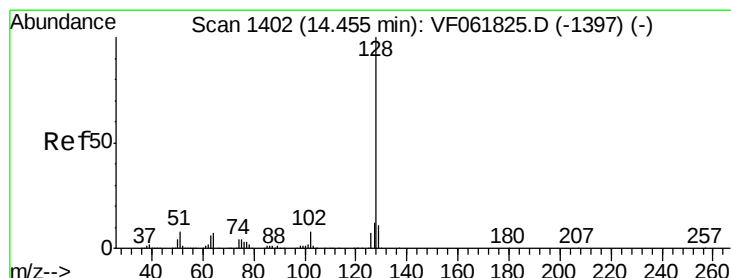
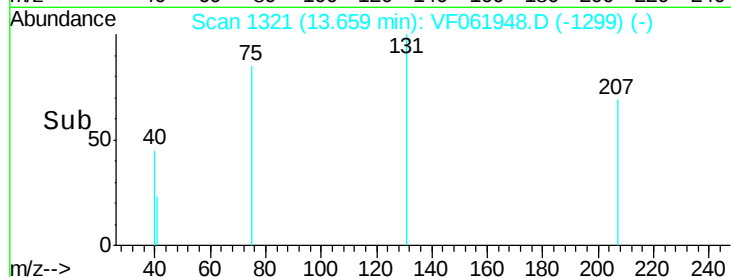
Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V



Time--> 13.62 13.64 13.66 13.68



#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

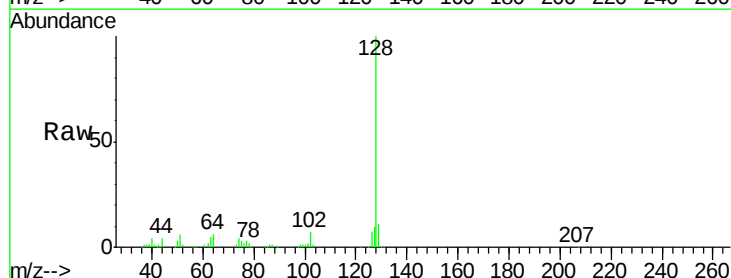
Tgt Ion:128 Resp: 79840

Ion Ratio Lower Upper

128 100

127 10.1 9.3 13.9

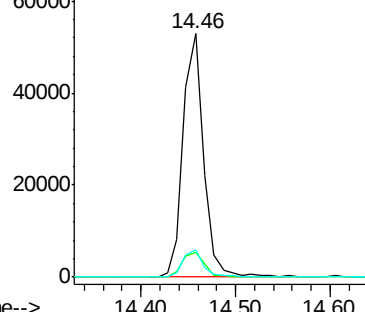
129 11.0 8.8 13.2



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



Time-->

