

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041119\
 Data File : VD061749.D
 Acq On : 11 Apr 2019 19:01
 Operator : VA/AP
 Sample : K2347-01
 Misc : 5.08g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BC0601

Quant Time: Apr 12 02:25:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

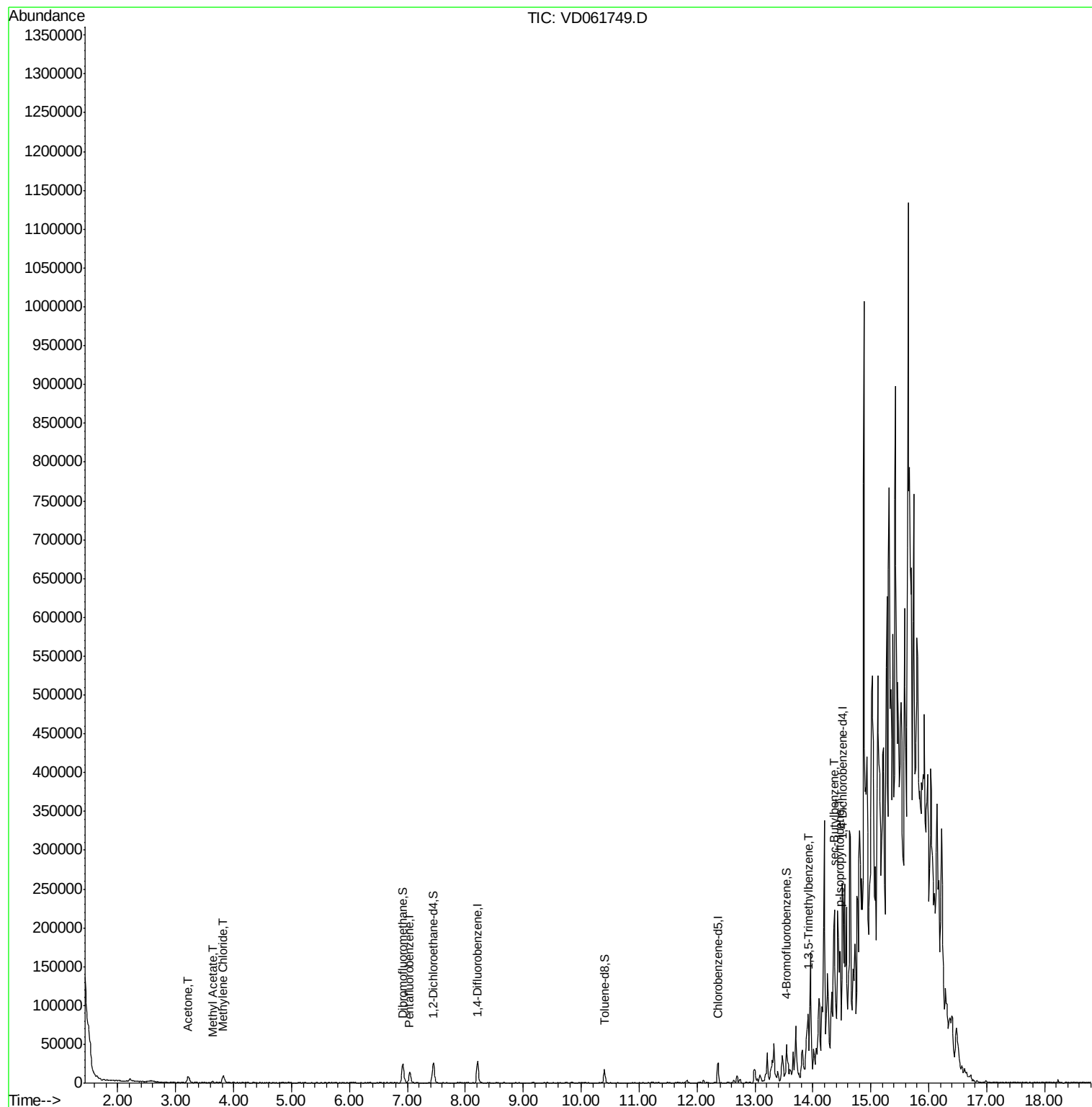
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	14813	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	38570	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	18098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	11699	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	26156	232.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	465.90%	
35) Dibromofluoromethane	6.92	113	24605	92.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	184.16%	
50) Toluene-d8	10.40	98	15782	23.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	47.02%	
62) 4-Bromofluorobenzene	13.54	95	11446	48.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.24%	
Target Compounds						
16) Acetone	3.22	43	15363	457.712	ug/l	99
18) Methyl Acetate	3.64	43	3672	58.147	ug/l	98
20) Methylene Chloride	3.83	84	6373	33.460	ug/l #	95
80) 1,3,5-Trimethylbenzene	13.93	105	7859	12.702	ug/l	90
85) sec-Butylbenzene	14.36	105	4583	5.686	ug/l	94
86) p-Isopropyltoluene	14.48	119	7296	10.435	ug/l	95

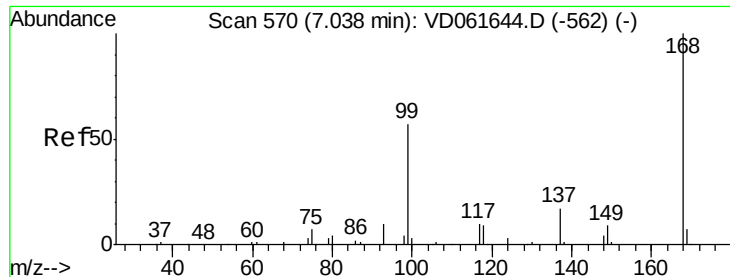
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.00 min

Lab File: VD061749.D

Acq: 11 Apr 2019 19:01

Instrument :

MSVOA_D

ClientSampleId :

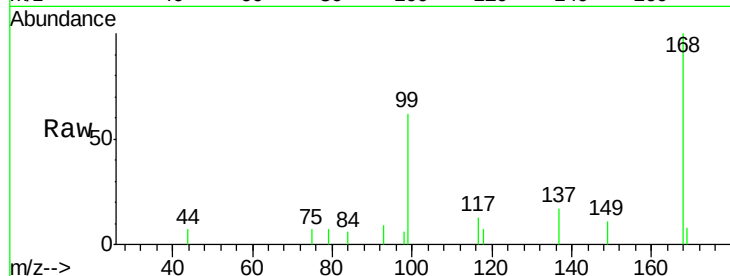
BC0601

Tot Ion:168 Resp: 14813

Ion Ratio Lower Upper

168 100

99 62.4 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

6000

5000

4000

3000

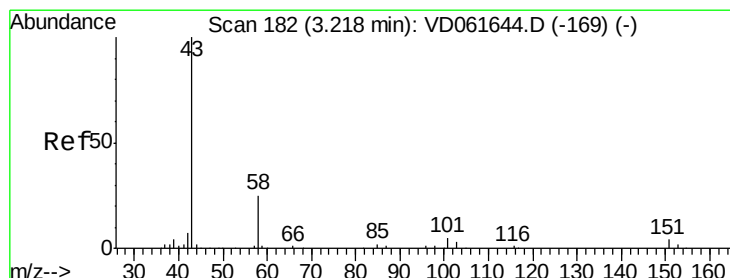
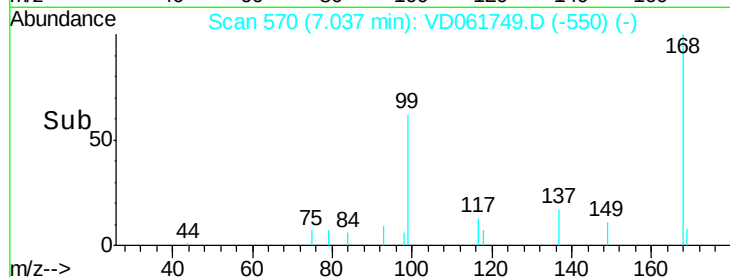
2000

1000

0

Time-->

6.95 7.00 7.05 7.10 7.15



#16

Acetone

Concen: 457.712 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD061749.D

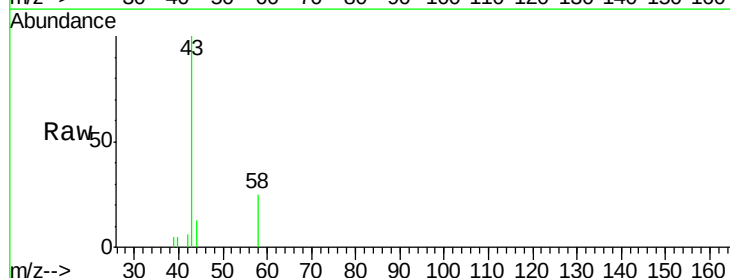
Acq: 11 Apr 2019 19:01

Tgt Ion: 43 Resp: 15363

Ion Ratio Lower Upper

43 100

58 25.1 19.7 29.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

6000

5000

4000

3000

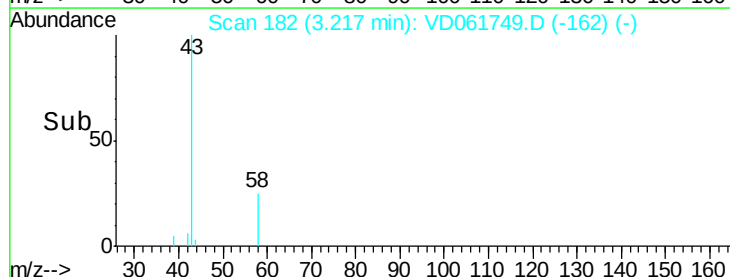
2000

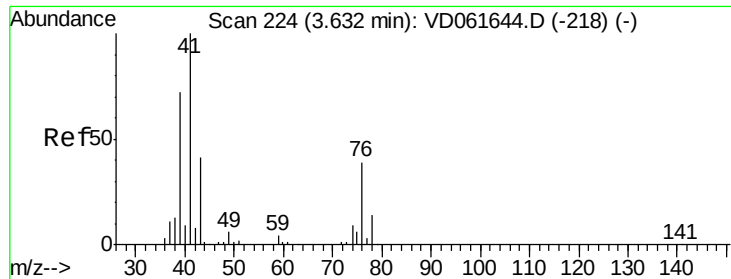
1000

0

Time-->

3.10 3.20 3.30

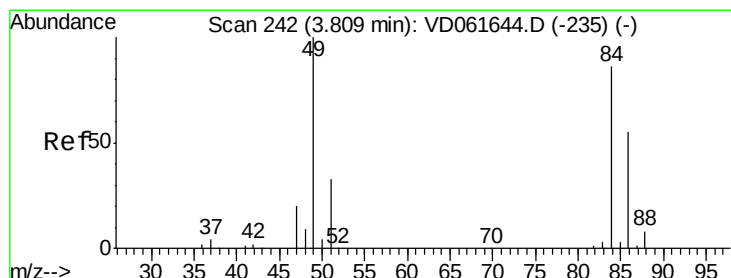
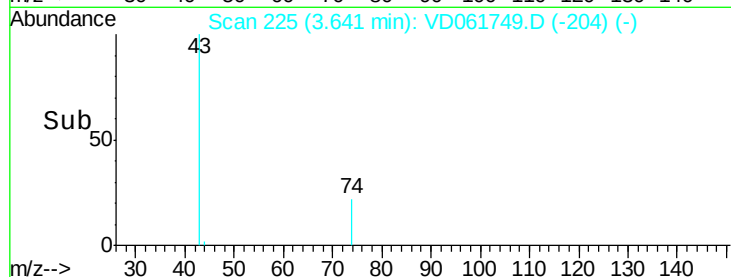
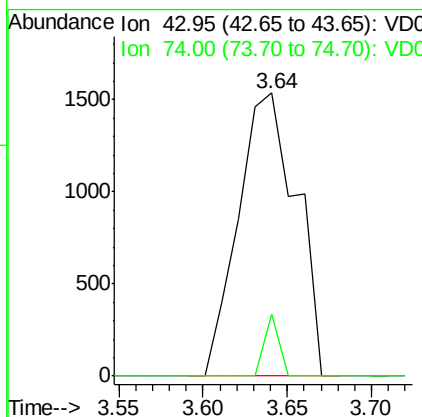
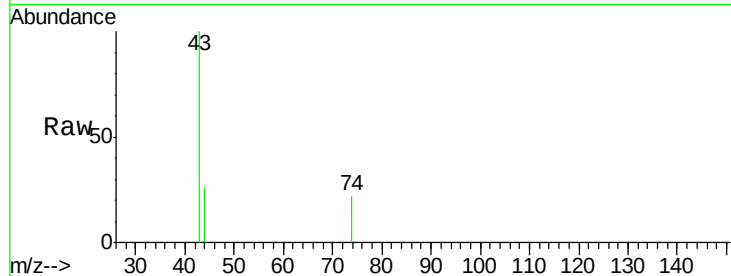




#18
Methyl Acetate
Concen: 58.147 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD061749.D
Acq: 11 Apr 2019 19:01

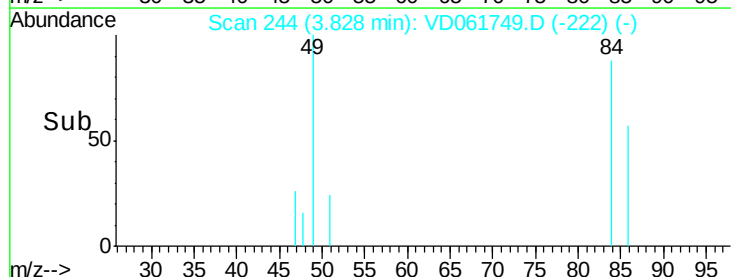
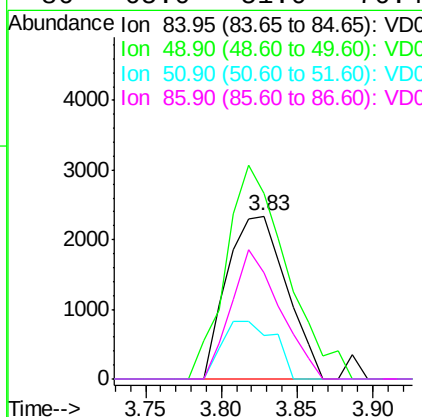
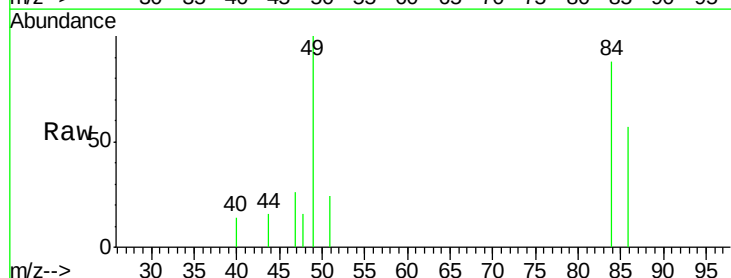
Instrument :
MSVOA_D
ClientSampleId :
BC0601

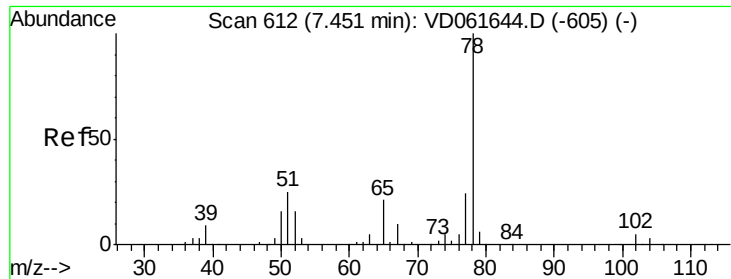
Tot Ion: 43 Resp: 3672
Ion Ratio Lower Upper
43 100
74 21.8 18.2 27.2



#20
Methylene Chloride
Concen: 33.460 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.02 min
Lab File: VD061749.D
Acq: 11 Apr 2019 19:01

Tgt Ion: 84 Resp: 6373
Ion Ratio Lower Upper
84 100
49 114.2 93.0 139.4
51 27.1 30.4 45.6#
86 65.0 51.0 76.4

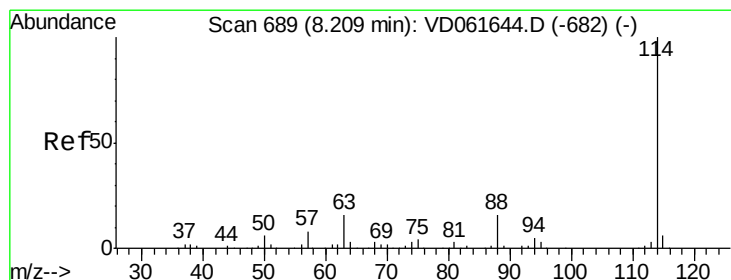
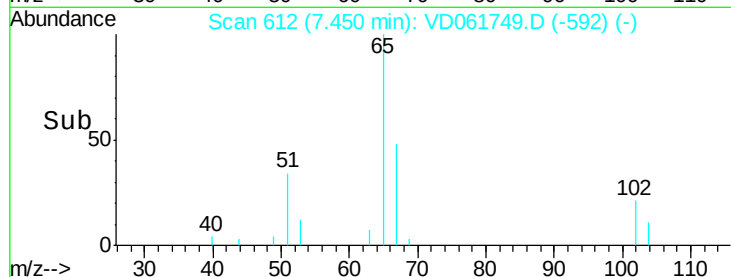
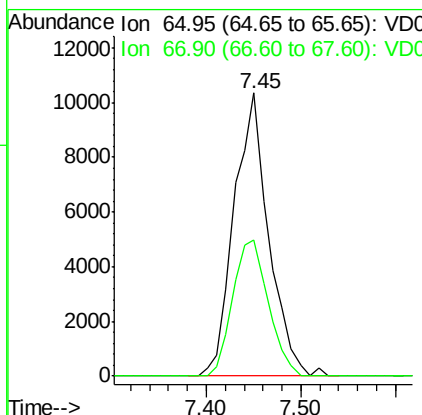
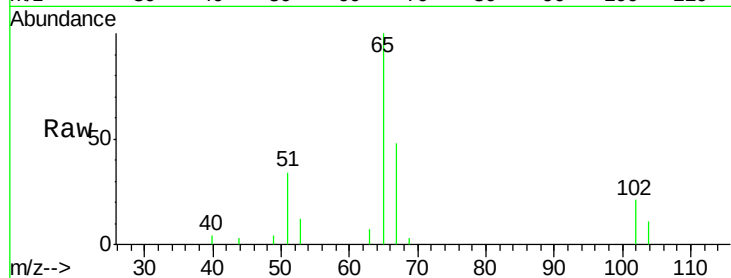




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VD061749.D
 Acq: 11 Apr 2019 19:01

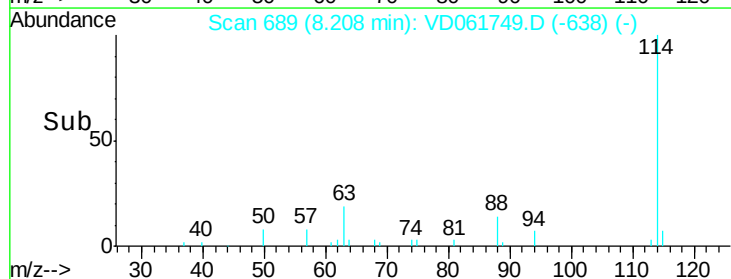
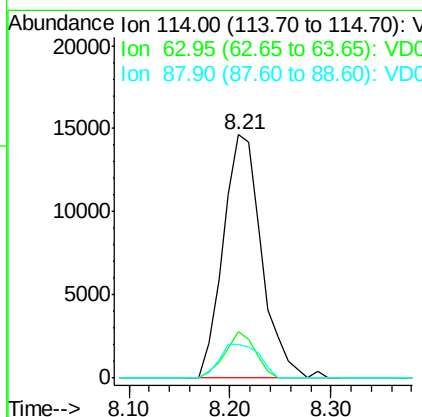
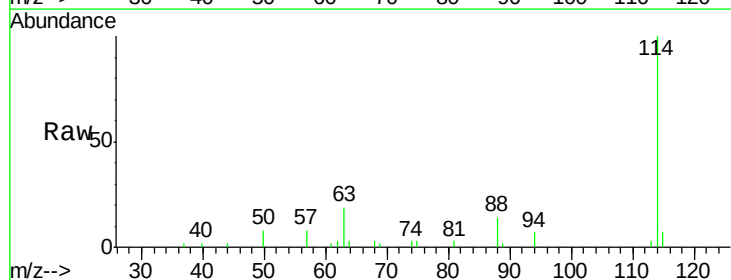
Instrument :
 MSVOA_D
 ClientSampleId :
 BC0601

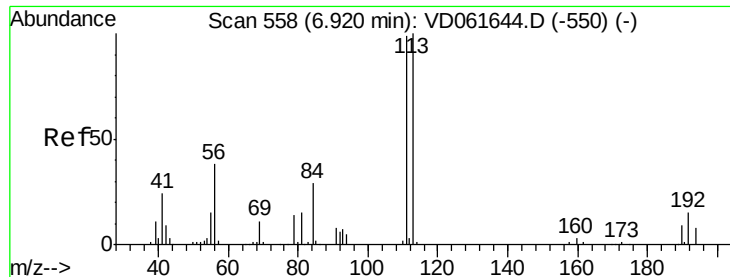
Tot Ion: 65 Resp: 26156
 Ion Ratio Lower Upper
 65 100
 67 48.2 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: VD061749.D
 Acq: 11 Apr 2019 19:01

Tgt Ion: 114 Resp: 38570
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 31.2
 88 13.6 0.0 31.8

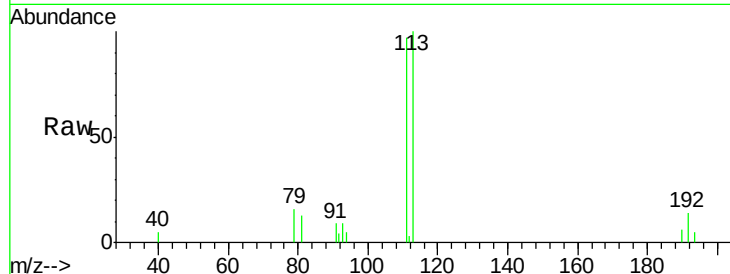




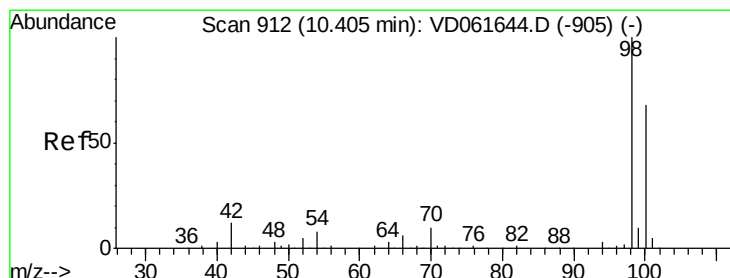
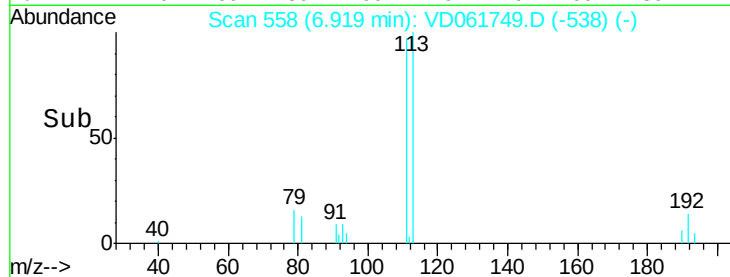
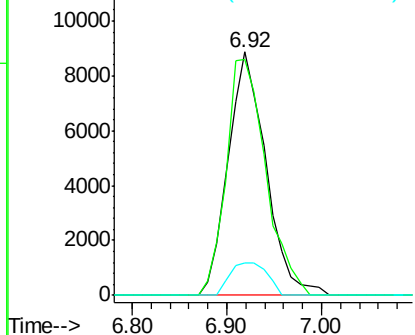
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.00 min
 Lab File: VD061749.D
 Acq: 11 Apr 2019 19:01

Instrument :
 MSVOA_D
 ClientSampleId :
 BC0601

Tot Ion:113 Resp: 24605
 Ion Ratio Lower Upper
 113 100
 111 97.0 79.3 118.9
 192 13.5 12.3 18.5

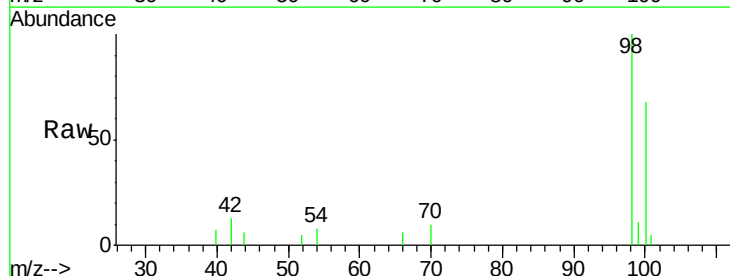


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

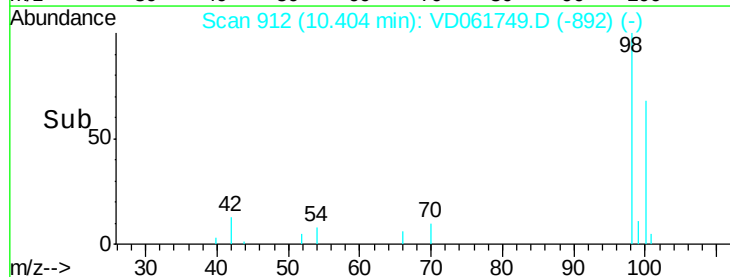
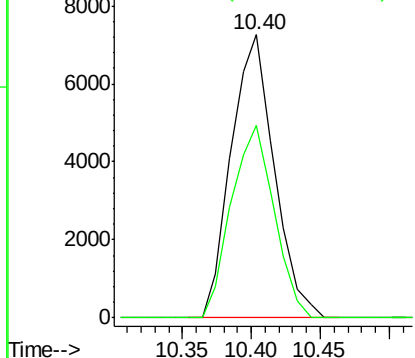


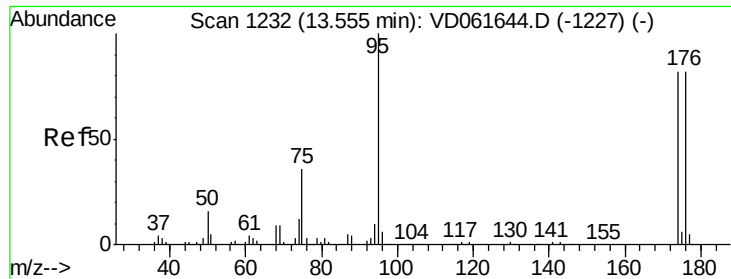
#50
 Toluene-d8
 Concen: N.D. ug/l
 RT: 10.40 min Scan# 912
 Delta R.T. -0.00 min
 Lab File: VD061749.D
 Acq: 11 Apr 2019 19:01

Tgt Ion: 98 Resp: 15782
 Ion Ratio Lower Upper
 98 100
 100 68.2 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): VDC
 Ion 100.05 (99.75 to 100.75): VDC





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD061749.D

Acq: 11 Apr 2019 19:01

Instrument :

MSVOA_D

ClientSampleId :

BC0601

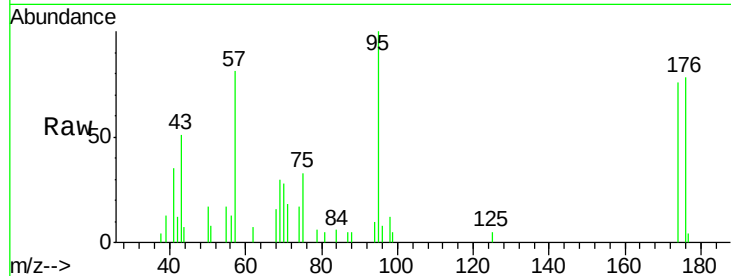
Tot Ion: 95 Resp: 11446

Ion Ratio Lower Upper

95 100

174 76.3 0.0 164.6

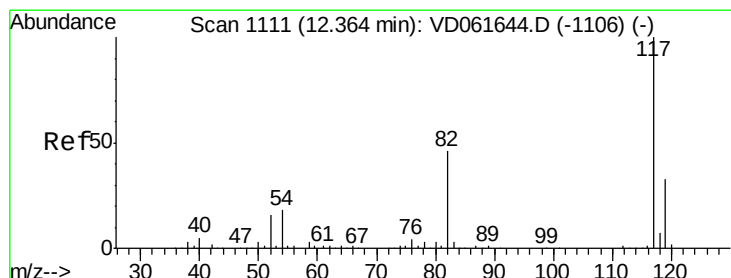
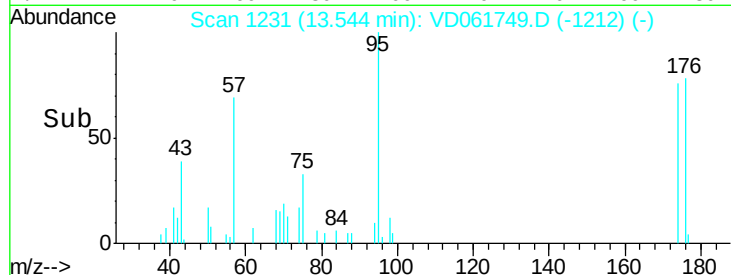
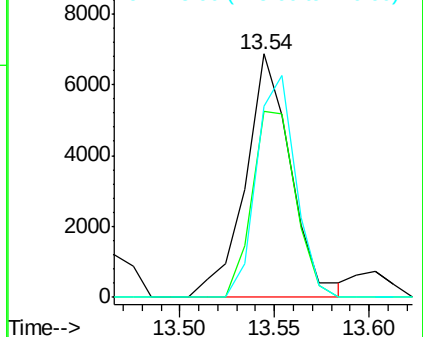
176 78.3 0.0 165.0



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.36 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD061749.D

Acq: 11 Apr 2019 19:01

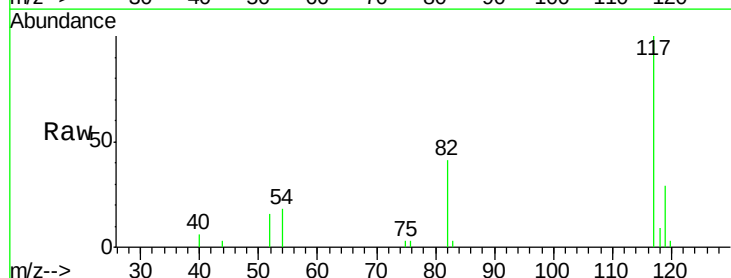
Tgt Ion: 117 Resp: 18098

Ion Ratio Lower Upper

117 100

82 40.6 36.8 55.2

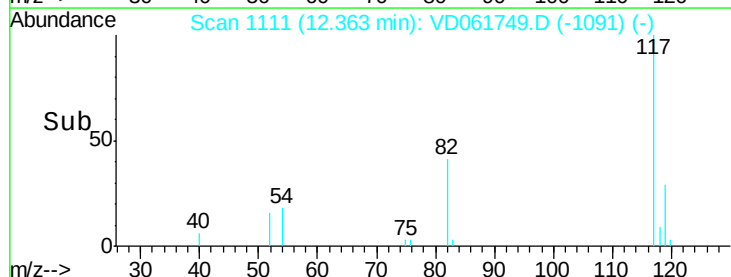
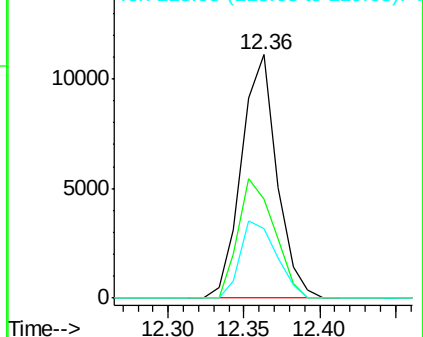
119 28.6 26.1 39.1

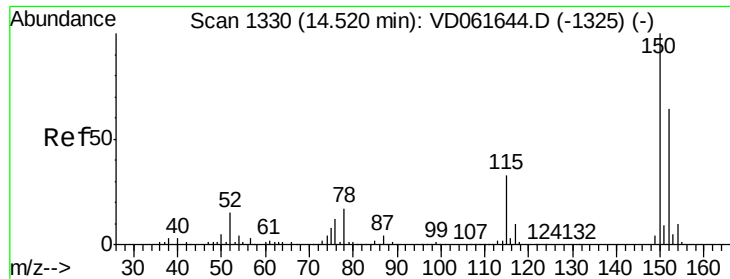


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD061749.D

Acq: 11 Apr 2019 19:01

Instrument :

MSVOA_D

ClientSampleId :

BC0601

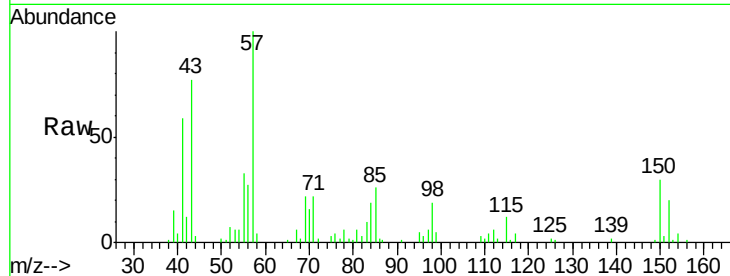
Tot Ion:152 Resp: 11699

Ion Ratio Lower Upper

152 100

115 56.7 26.4 79.2

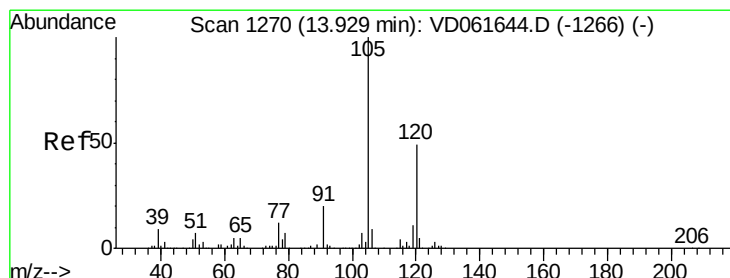
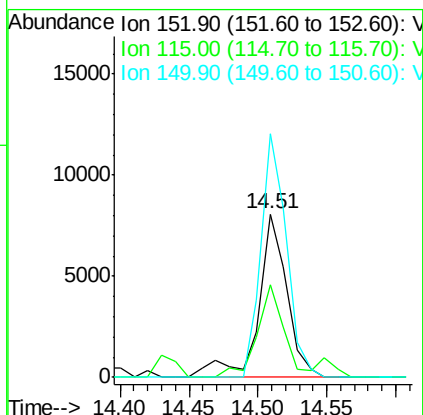
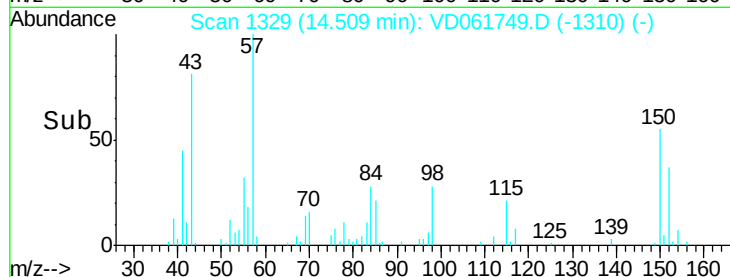
150 149.1 0.0 320.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#80

1,3,5-Trimethylbenzene

Concen: 12.702 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD061749.D

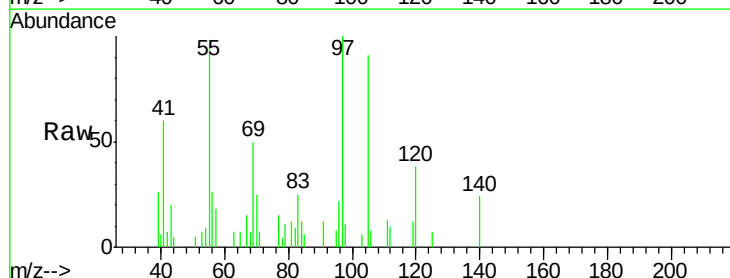
Acq: 11 Apr 2019 19:01

Tgt Ion:105 Resp: 7859

Ion Ratio Lower Upper

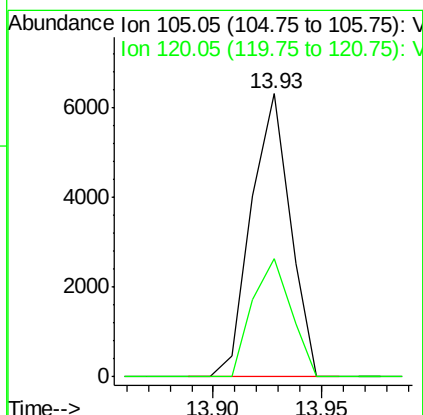
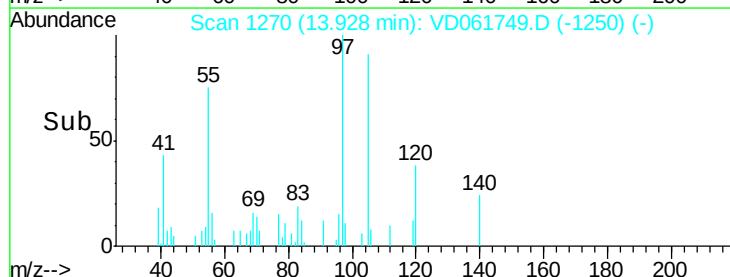
105 100

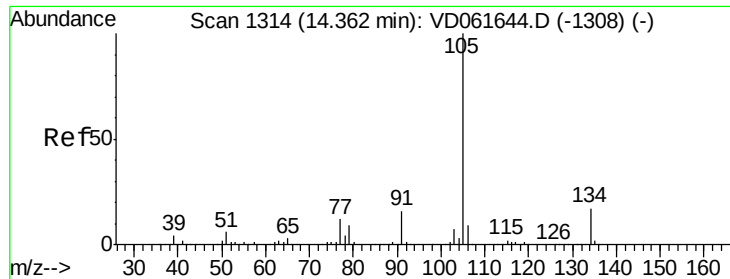
120 41.8 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

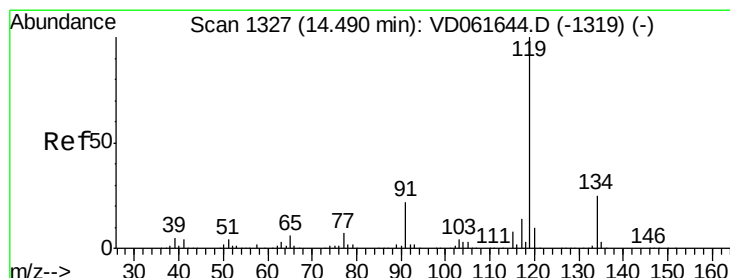
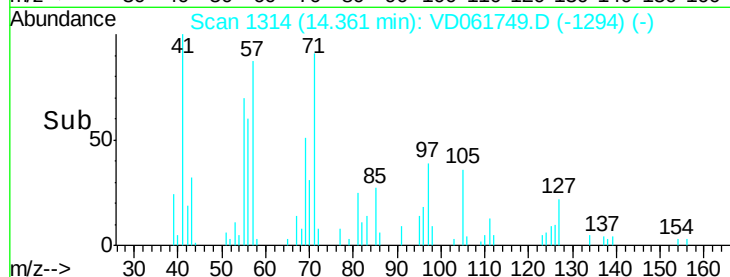
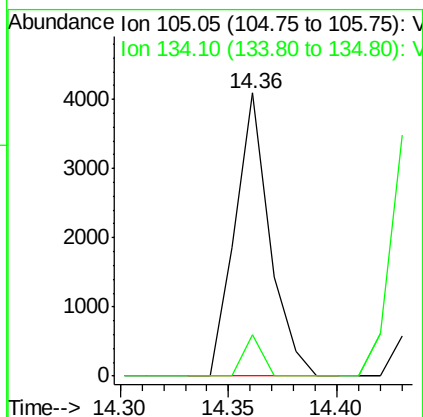
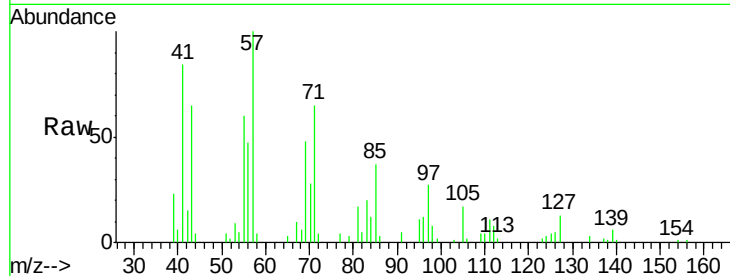




#85
 sec-Butylbenzene
 Concen: 5.686 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.00 min
 Lab File: VD061749.D
 Acq: 11 Apr 2019 19:01

Instrument :
 MSVOA_D
 ClientSampleId :
 BC0601

Tot Ion:105 Resp: 4583
 Ion Ratio Lower Upper
 105 100
 134 14.6 8.6 25.7



#86
 p-Isopropyltoluene
 Concen: 10.435 ug/l
 RT: 14.48 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: VD061749.D
 Acq: 11 Apr 2019 19:01

Tgt Ion:119 Resp: 7296
 Ion Ratio Lower Upper
 119 100
 134 22.8 12.5 37.5
 91 19.3 11.0 33.0

