

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010220\
 Data File : VD064712.D
 Acq On : 02 Jan 2020 12:39
 Operator : VA/SY
 Sample : K6469-01
 Misc : 5.07G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 174-NC-TOPSOIL-001

Quant Time: Jan 03 00:51:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

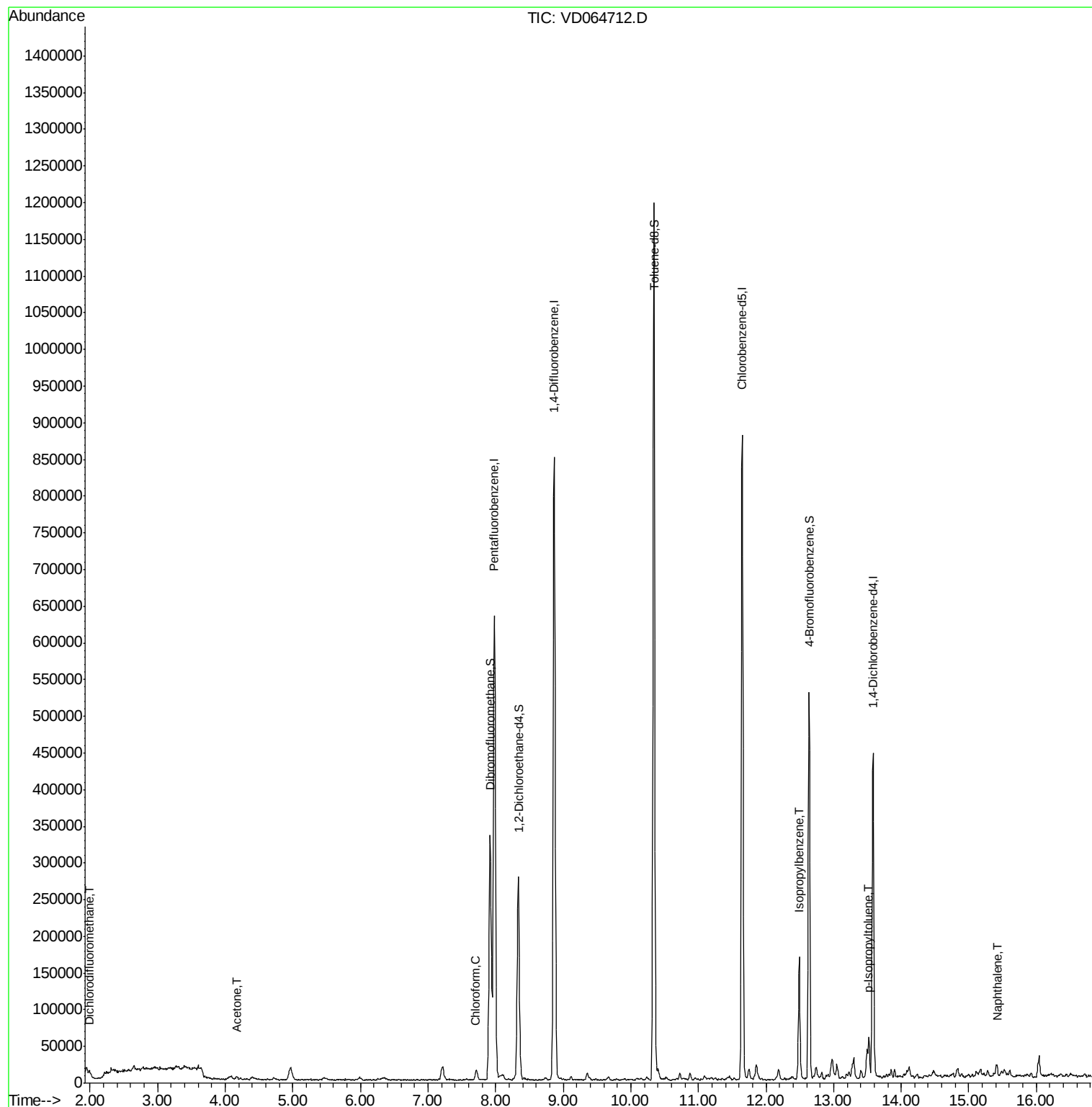
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	494465	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	740229	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	502373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	118538	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	218656	50.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.30%	
35) Dibromofluoromethane	7.92	113	229371	50.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.02%	
50) Toluene-d8	10.34	98	809281	46.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.06%	
62) 4-Bromofluorobenzene	12.64	95	156211	28.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	56.80%	
Target Compounds						
2) Dichlorodifluoromethane	1.99	85	5240	1.364	ug/l	87
16) Acetone	4.17	43	7888	11.757	ug/l	99
30) Chloroform	7.71	83	12038	1.413	ug/l	88
73) Isopropylbenzene	12.48	105	13172	1.555	ug/l	84
86) p-Isopropyltoluene	13.53	119	26965	3.405	ug/l #	84
95) Naphthalene	15.41	128	13071	3.316	ug/l	98

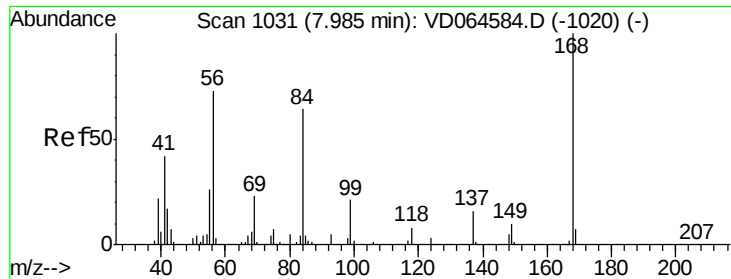
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064712.D

Acq: 02 Jan 2020 12:39

Instrument :

MSVOA_D

ClientSampleId :

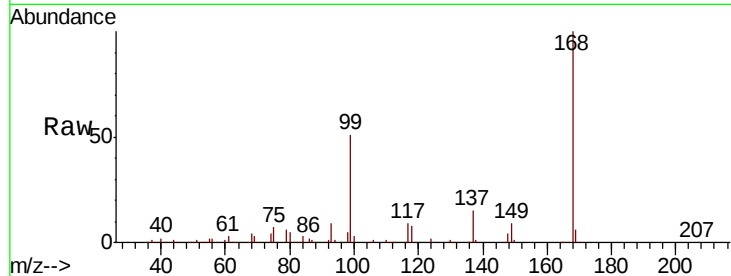
174-NC-TOPSOIL-001

Tot Ion:168 Resp: 494465

Ion Ratio Lower Upper

168 100

99 50.8 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

250000

200000

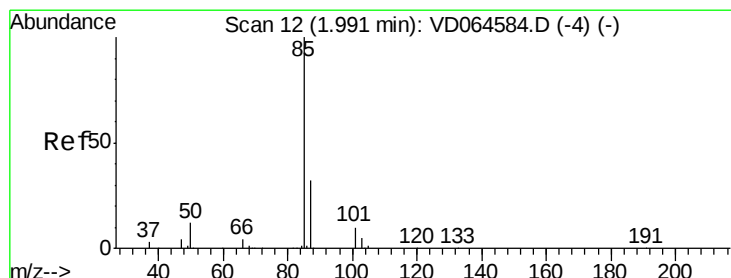
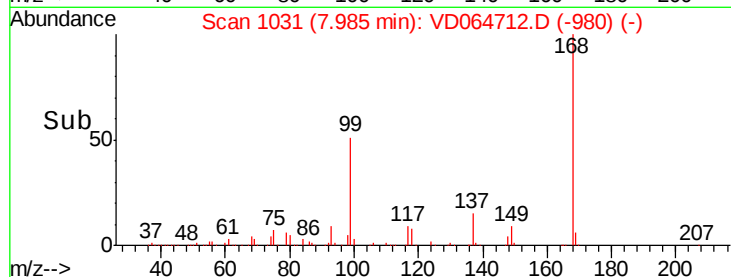
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.364 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064712.D

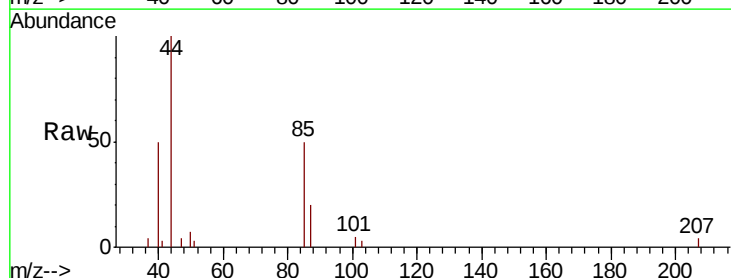
Acq: 02 Jan 2020 12:39

Tgt Ion: 85 Resp: 5240

Ion Ratio Lower Upper

85 100

87 39.5 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

4000

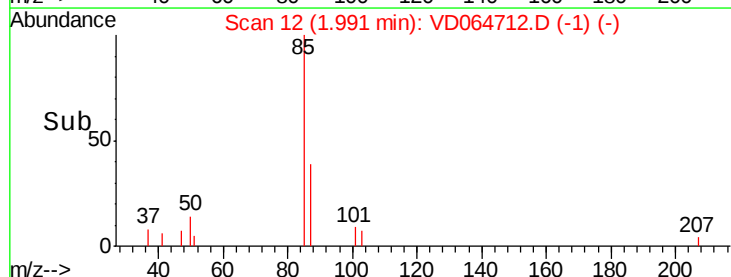
3000

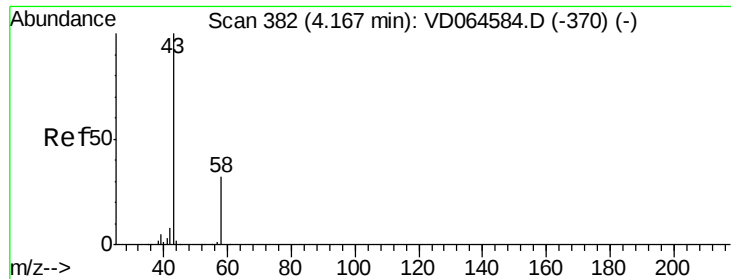
2000

1000

0

Time-->





#16

Acetone

Concen: 11.757 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064712.D

Acq: 02 Jan 2020 12:39

Instrument :

MSVOA_D

ClientSampleId :

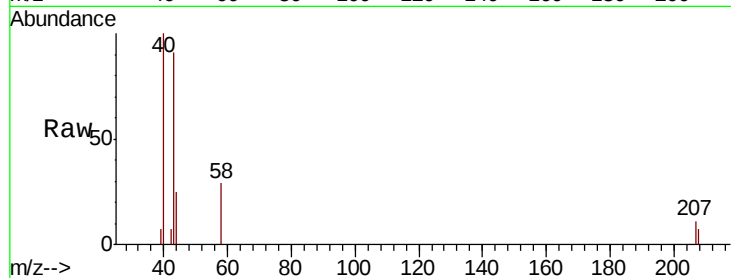
174-NC-TOPSOIL-001

Tot Ion: 43 Resp: 7888

Ion Ratio Lower Upper

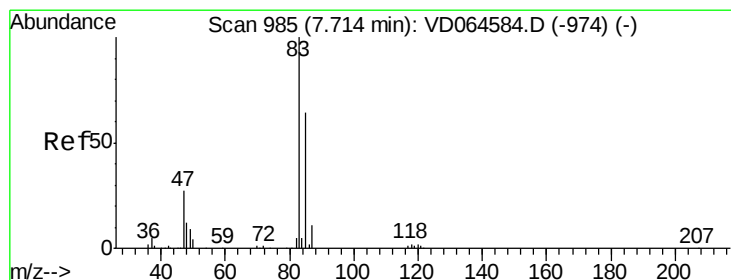
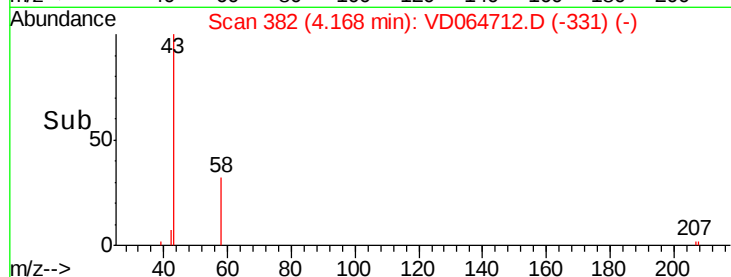
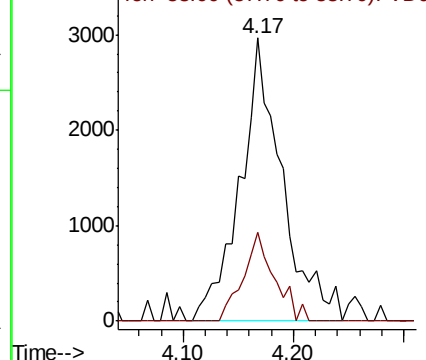
43 100

58 31.5 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#30

Chloroform

Concen: 1.413 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.01 min

Lab File: VD064712.D

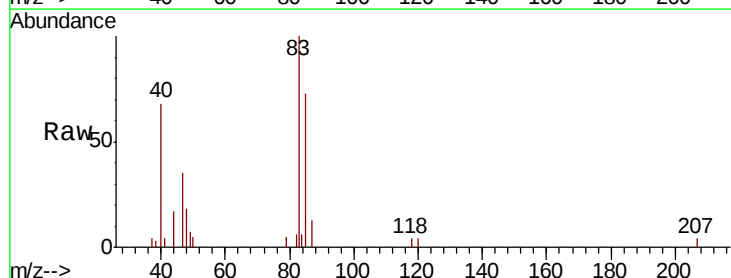
Acq: 02 Jan 2020 12:39

Tgt Ion: 83 Resp: 12038

Ion Ratio Lower Upper

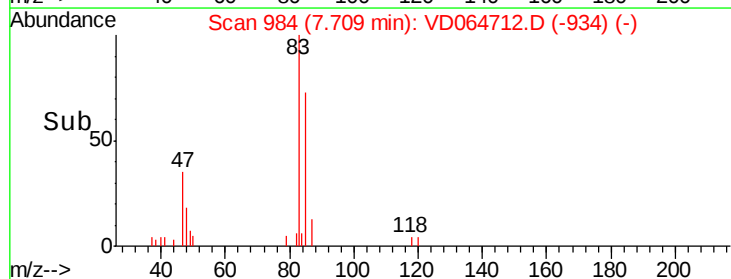
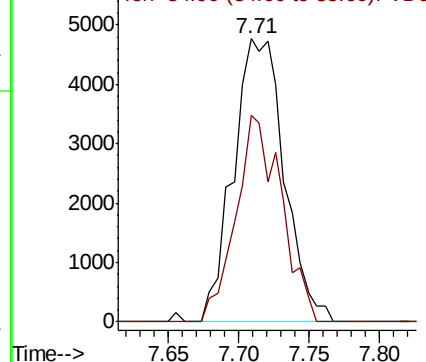
83 100

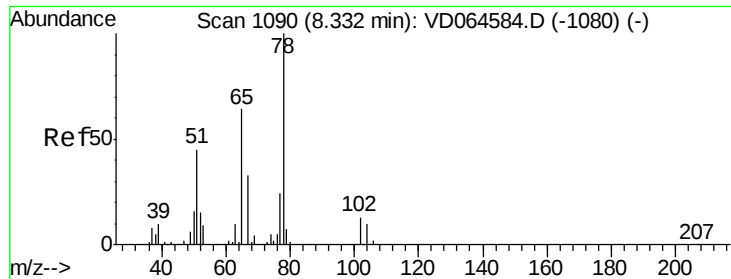
85 73.0 51.1 76.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

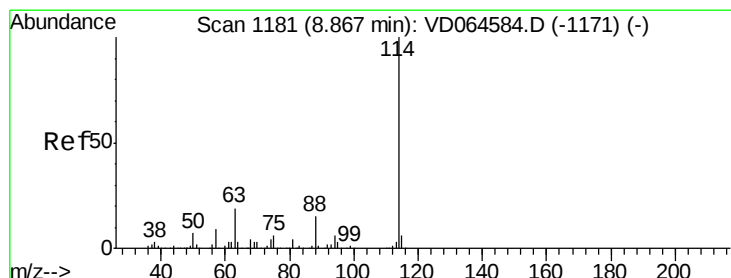
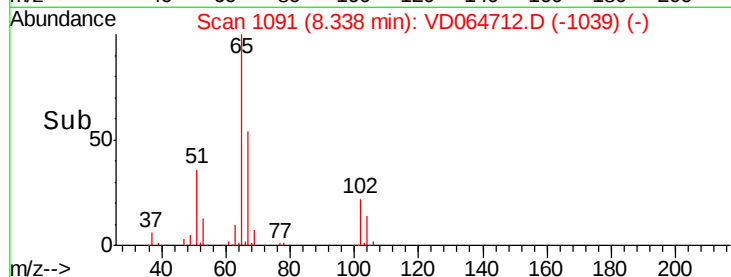
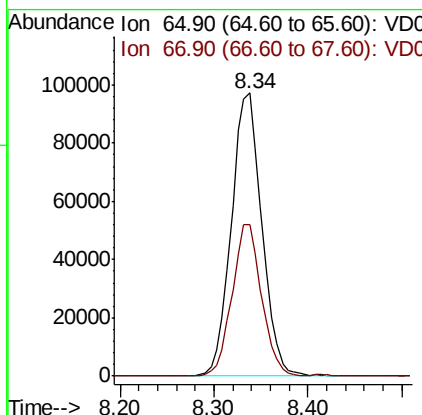
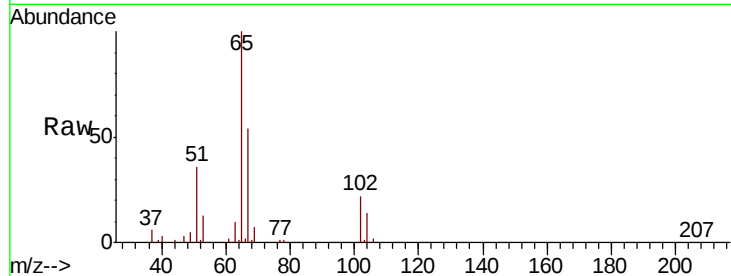




#33
 1,2-Dichloroethane-d4
 Concen: 50.149 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064712.D
 Acq: 02 Jan 2020 12:39

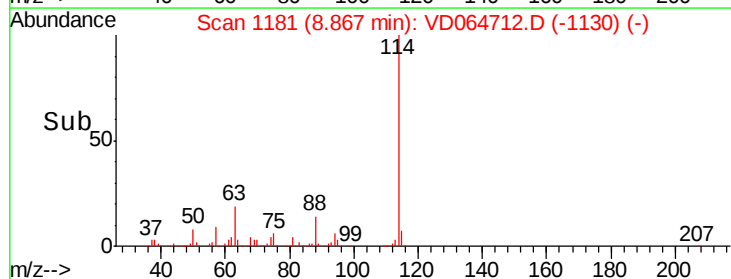
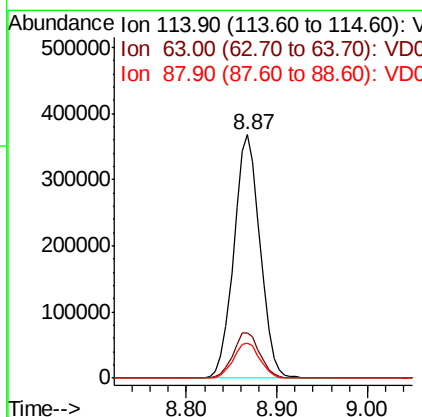
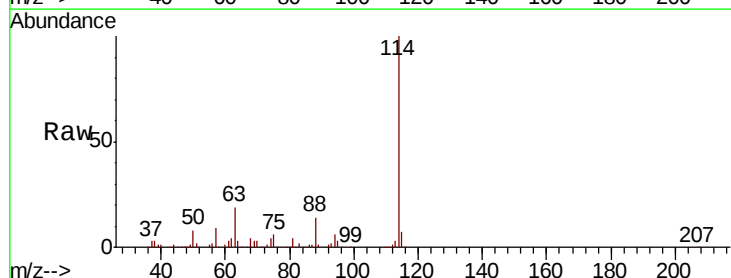
Instrument :
 MSVOA_D
 ClientSampleId :
 174-NC-TOPSOIL-001

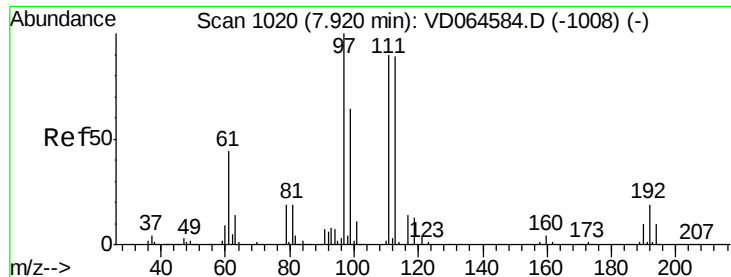
Tot Ion: 65 Resp: 218656
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064712.D
 Acq: 02 Jan 2020 12:39

Tgt Ion: 114 Resp: 740229
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 38.0
 88 14.4 0.0 29.2

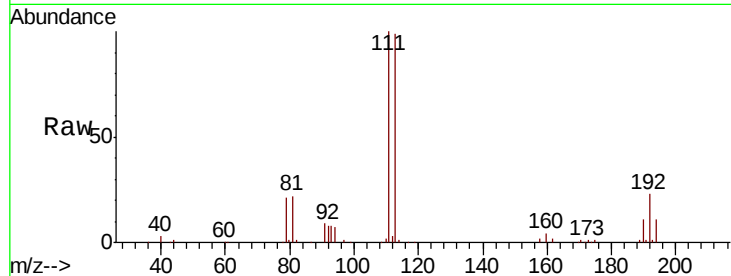




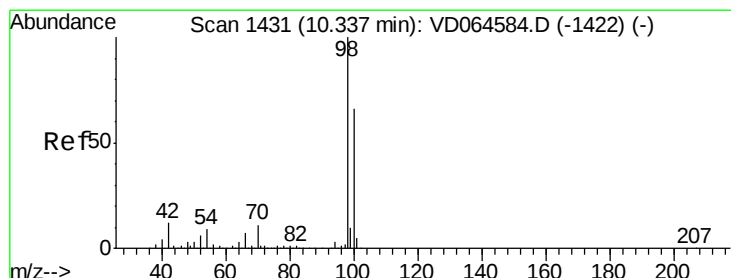
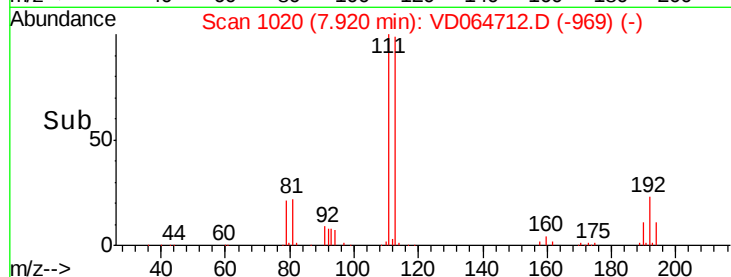
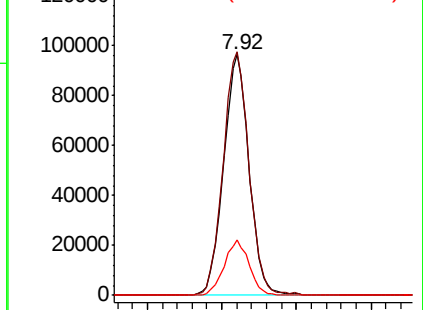
#35
Dibromofluoromethane
Concen: 50.506 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD064712.D
Acq: 02 Jan 2020 12:39

Instrument :
MSVOA_D
ClientSampleId :
174-NC-TOPSOIL-001

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	80.6	121.0
192	22.5	17.9	26.9

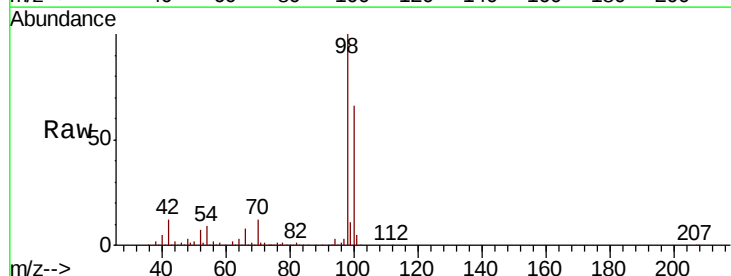


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

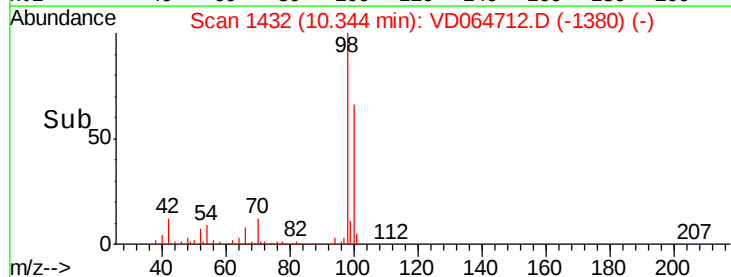
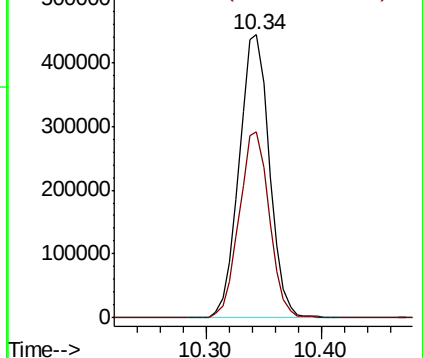


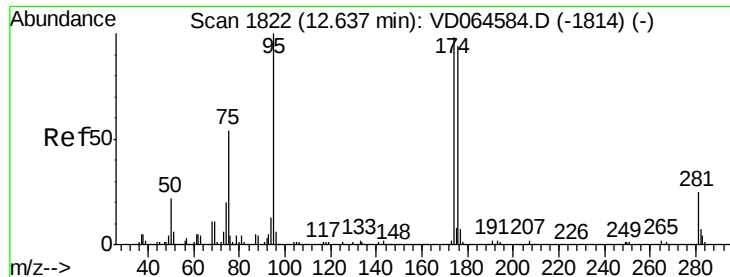
#50
Toluene-d8
Concen: 46.529 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064712.D
Acq: 02 Jan 2020 12:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.7	77.5



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VD

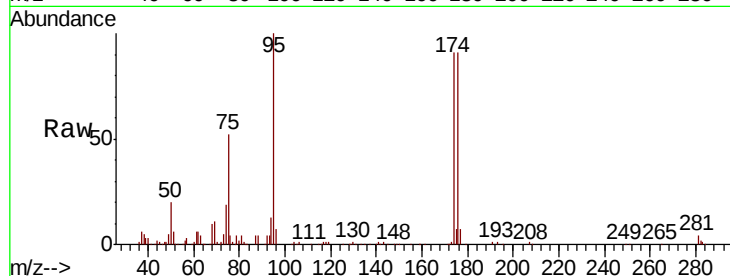




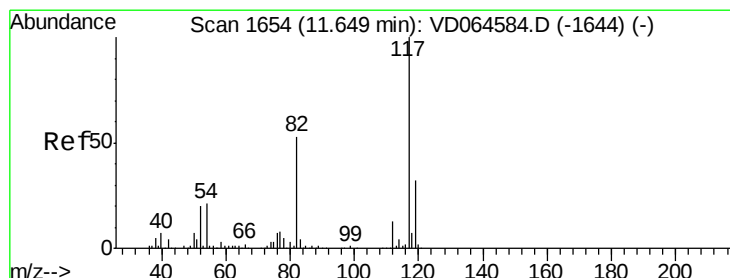
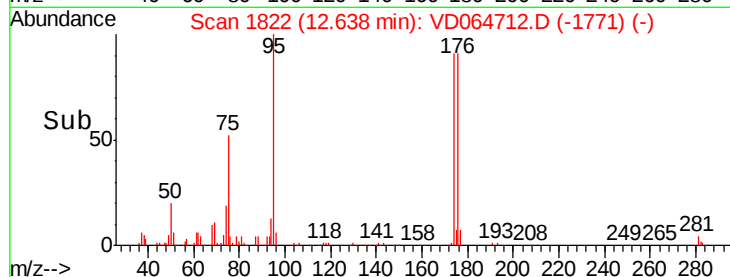
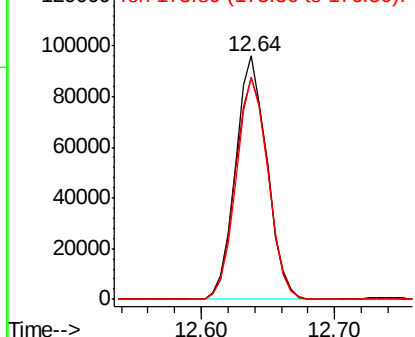
#62
4-Bromofluorobenzene
Concen: 28.402 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064712.D
Acq: 02 Jan 2020 12:39

Instrument :
MSVOA_D
ClientSampleId :
174-NC-TOPSOIL-001

Tot Ion: 95 Resp: 156211
Ion Ratio Lower Upper
95 100
174 95.8 0.0 193.2
176 92.3 0.0 184.2

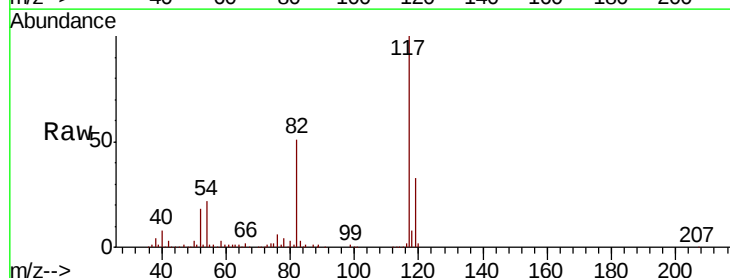


Abundance Ion 94.90 (94.60 to 95.60): V
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

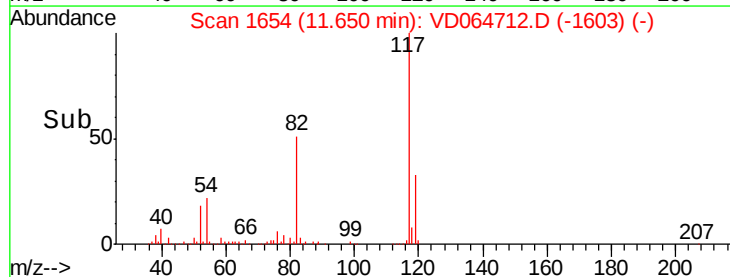
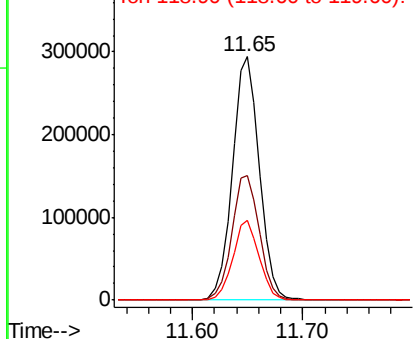


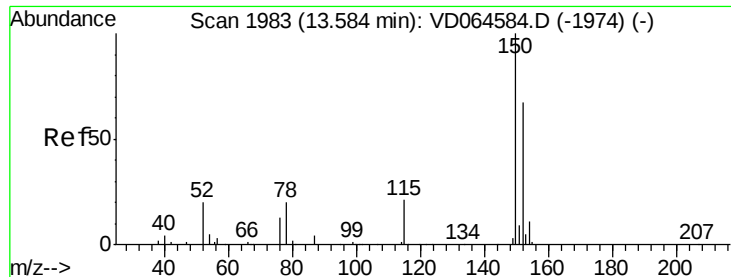
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064712.D
Acq: 02 Jan 2020 12:39

Tgt Ion: 117 Resp: 502373
Ion Ratio Lower Upper
117 100
82 51.4 42.2 63.4
119 32.6 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064712.D

Acq: 02 Jan 2020 12:39

Instrument :

MSVOA_D

ClientSampleId :

174-NC-TOPSOIL-001

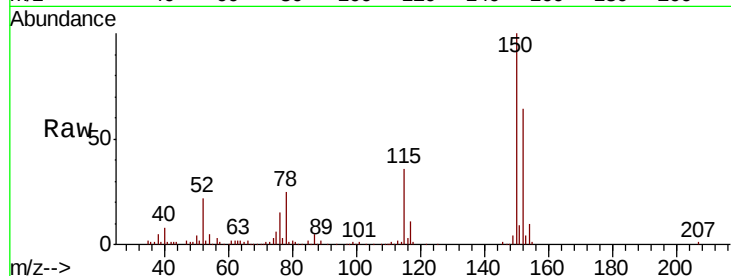
Tot Ion:152 Resp: 118538

Ion Ratio Lower Upper

152 100

115 56.3 27.8 83.4

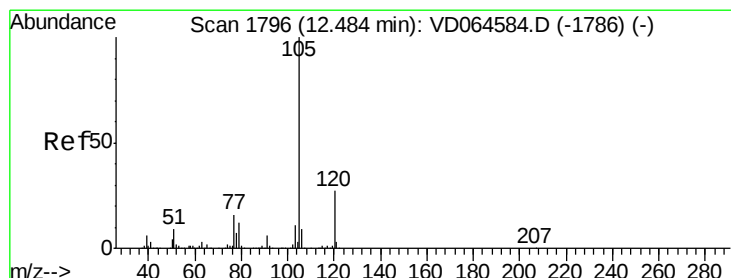
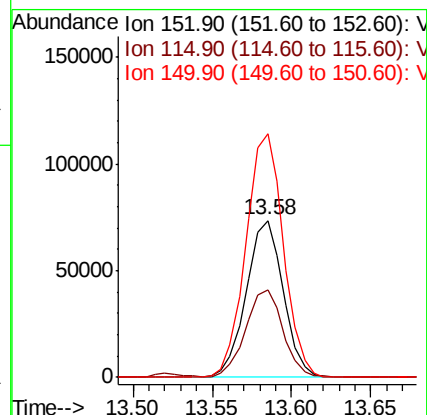
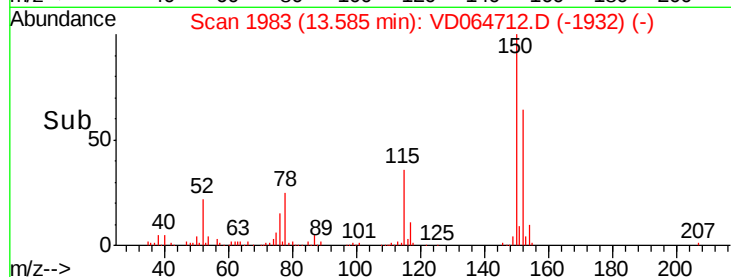
150 158.4 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 1.555 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064712.D

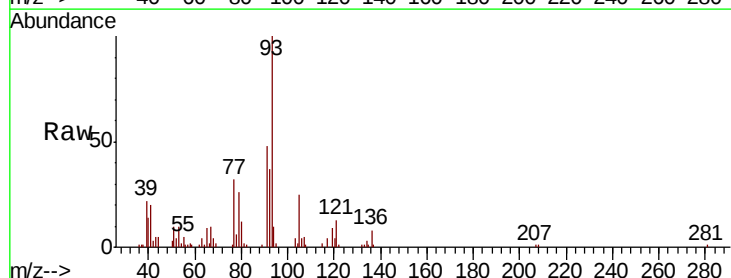
Acq: 02 Jan 2020 12:39

Tgt Ion:105 Resp: 13172

Ion Ratio Lower Upper

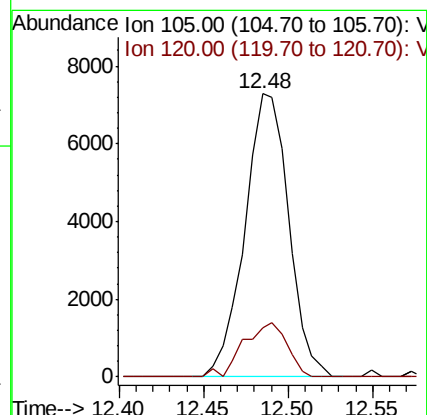
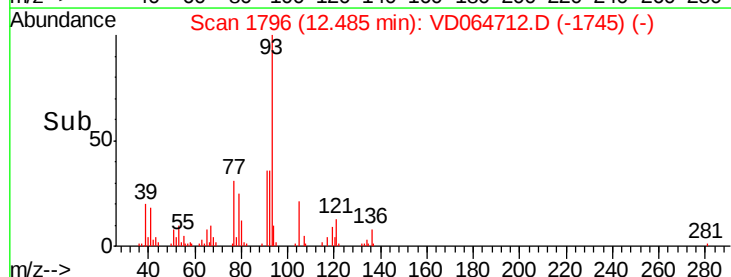
105 100

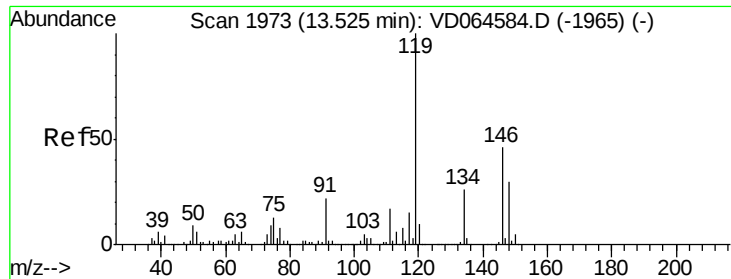
120 18.8 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

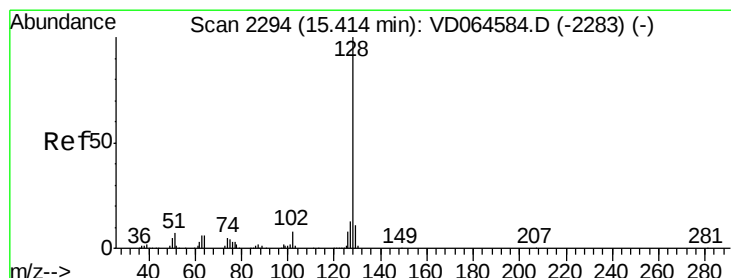
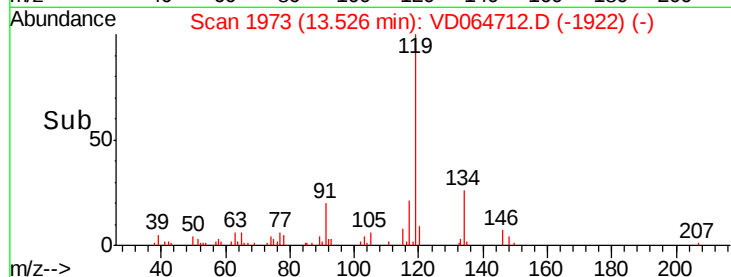
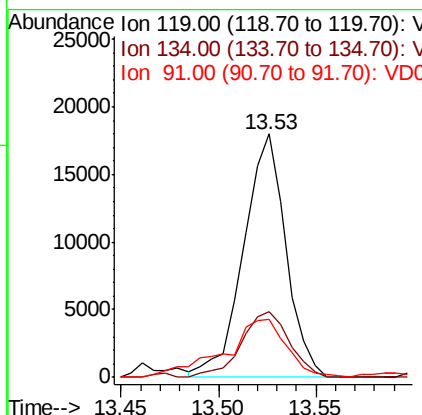
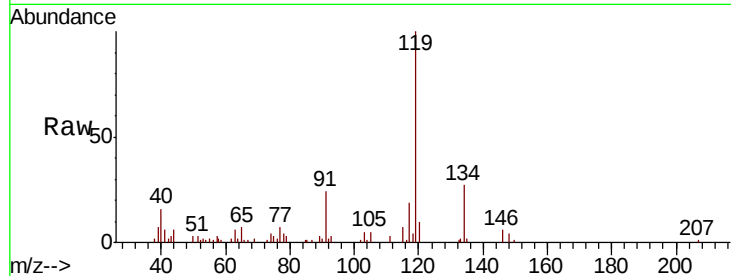




#86
 p-Isopropyltoluene
 Concen: 3.405 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064712.D
 Acq: 02 Jan 2020 12:39

Instrument :
 MSVOA_D
 ClientSampleId :
 174-NC-TOPSOIL-001

Tot Ion	Ratio	Lower	Upper
119	100		
134	30.5	13.4	40.1
91	35.3	11.2	33.6



#95
 Naphthalene
 Concen: 3.316 ug/l
 RT: 15.41 min Scan# 2294
 Delta R.T. 0.00 min
 Lab File: VD064712.D
 Acq: 02 Jan 2020 12:39

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	11.7	8.5	12.7

