

Data File : VV014986.D
Acq On : 17 Mar 2020 20:14
Operator : SY/MD
Sample : L1941-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0DB4

Quant Time: Mar 18 05:27:07 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 18 05:21:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	326258	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	321615	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	163172	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	82260	37.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.70%
7) Chloroethane-d5	1.58	69	66186	41.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.00%
11) 1,1-Dichloroethene-d2	2.12	63	107972	32.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.76%
21) 2-Butanone-d5	3.93	46	125851	94.96	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.96%
24) Chloroform-d	4.38	84	201212	44.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.86%
26) 1,2-Dichloroethane-d4	5.06	65	134264	46.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.60%
32) Benzene-d6	5.08	84	412556	46.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.12%
36) 1,2-Dichloropropane-d6	6.10	67	124111	47.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.08%
41) Toluene-d8	7.34	98	396801	45.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.56%
43) trans-1,3-Dichloropropene-	7.64	79	54690	38.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.98%
47) 2-Hexanone-d5	8.12	63	112111	94.14	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.14%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	178626	46.24	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.48%
64) 1,2-Dichlorobenzene-d4	11.65	152	178797	50.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.04%

Target Compounds

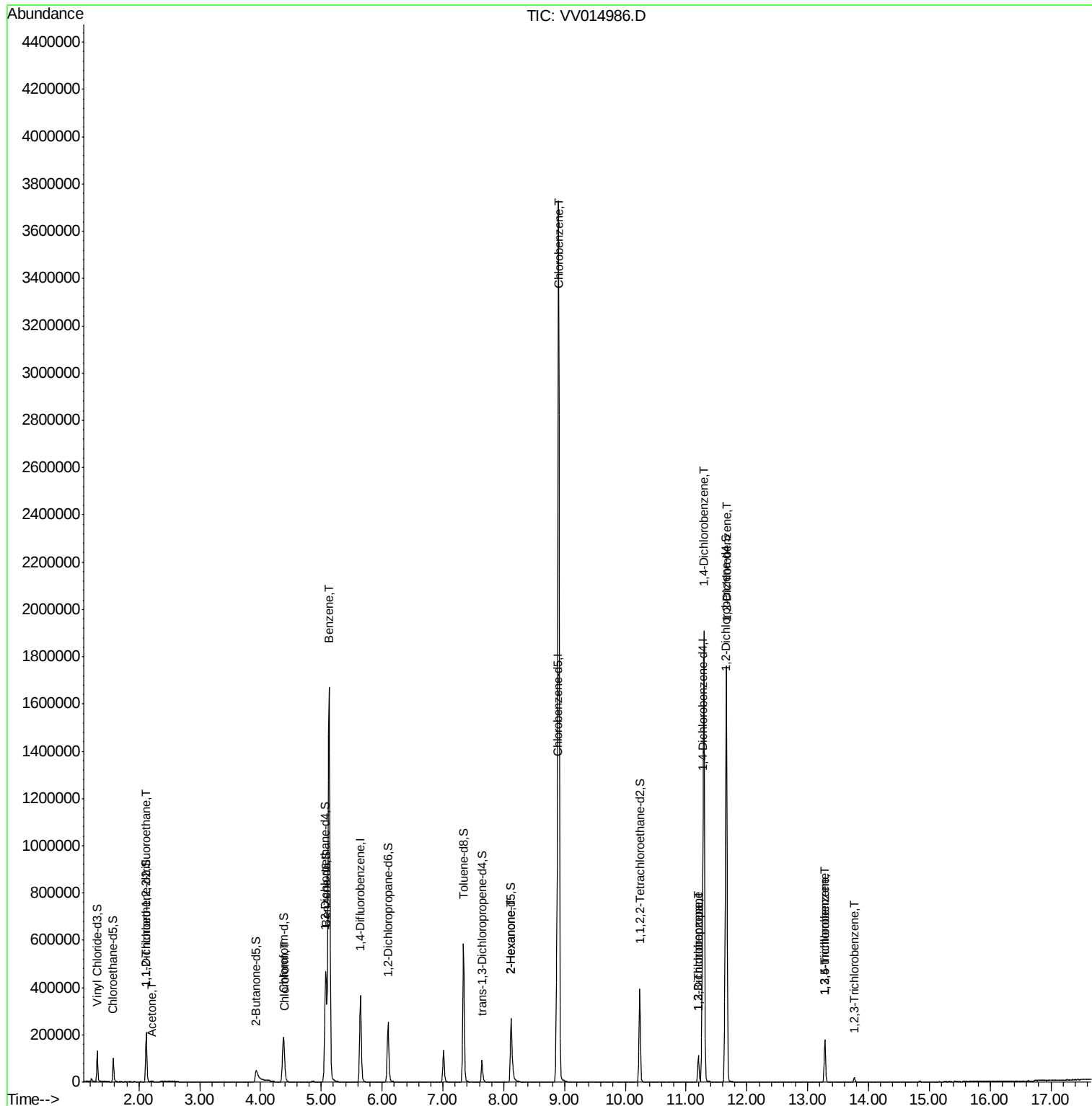
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1278	0.760	ug/L #	15
13) Acetone	2.20	43	2737	2.090	ug/L	96
25) Chloroform	4.41	83	5750	1.346	ug/L	93
33) Benzene	5.13	78	1723207	196.905	ug/L	100
48) 2-Hexanone	8.12	43	13476	5.752	ug/L #	80
51) Chlorobenzene	8.90	112	2072601	305.635	ug/L	99
59) 1,2,3-Trichloropropane	11.20	75	12306	4.092	ug/L #	41
62) 1,3-Dichlorobenzene	11.20	146	47744	8.879	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	786264	145.160	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	689997	128.461	ug/L	98
67) 1,3,5-Trichlorobenzene	13.28	180	58807	13.949	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	58807	15.650	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	5650	1.519	ug/L #	82

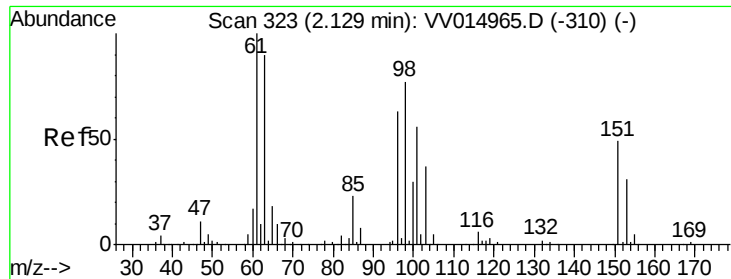
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.760 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV014986.D

Acq: 17 Mar 2020 20:14

Instrument :

MSVOA_V

ClientSampleId :

C0DB4

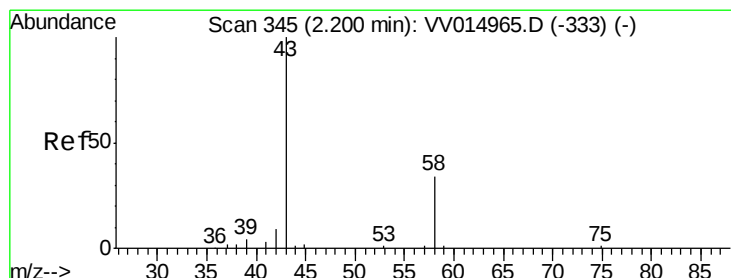
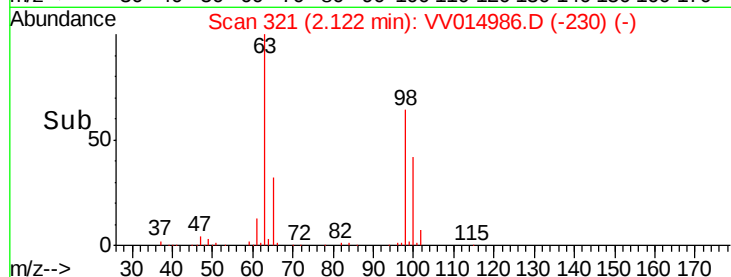
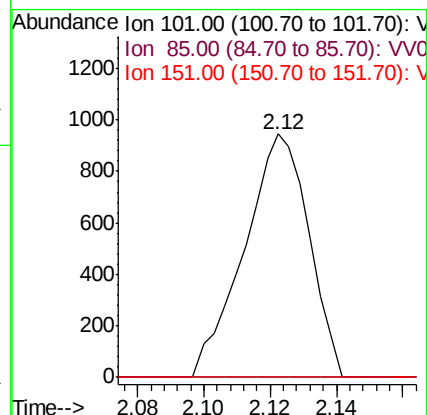
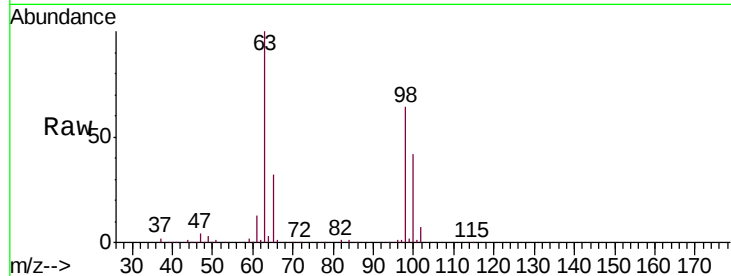
Tgt Ion:101 Resp: 1278

Ion Ratio Lower Upper

101 100

85 0.0 33.9 50.9#

151 0.0 70.1 105.1#



#13

Acetone

Concen: 2.090 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.00 min

Lab File: VV014986.D

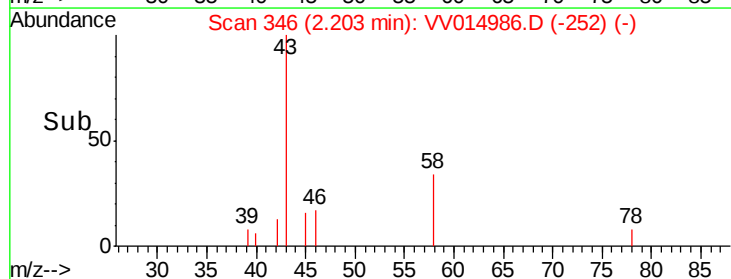
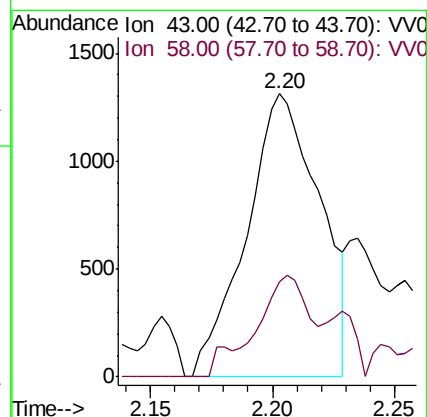
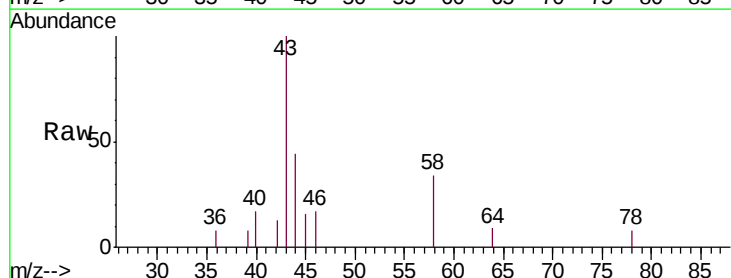
Acq: 17 Mar 2020 20:14

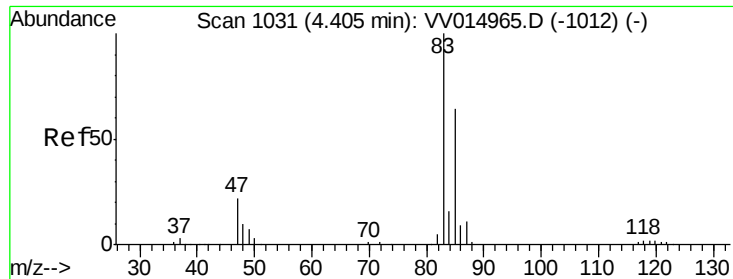
Tgt Ion: 43 Resp: 2737

Ion Ratio Lower Upper

43 100

58 23.7 0.0 51.6

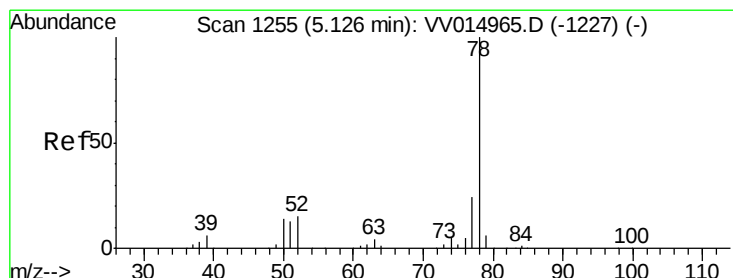
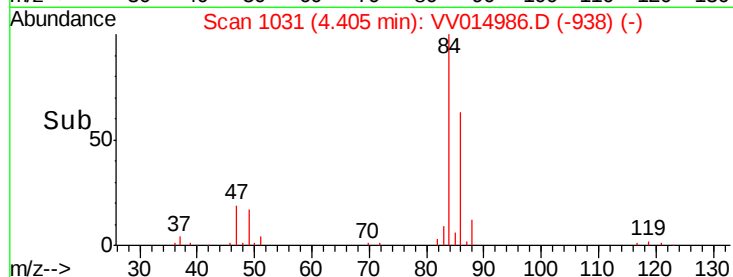
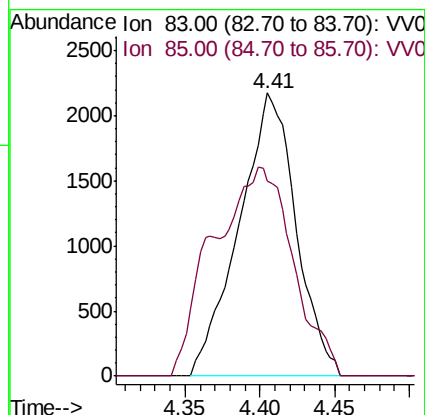
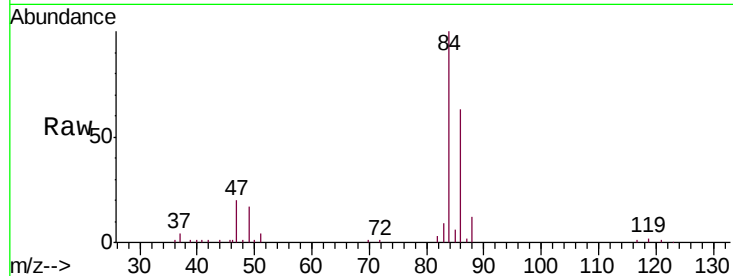




#25
Chloroform
Concen: 1.346 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VV014986.D
Acq: 17 Mar 2020 20:14

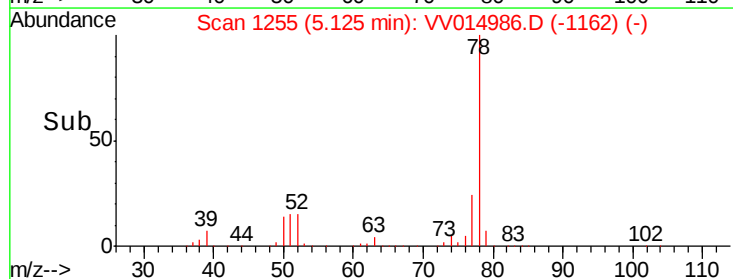
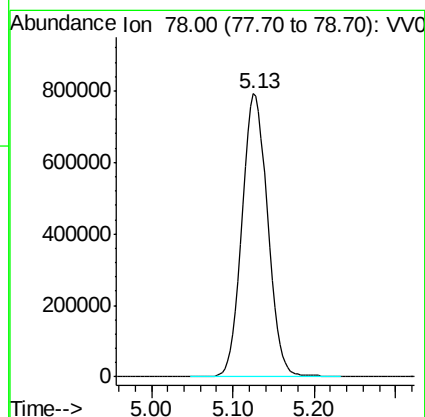
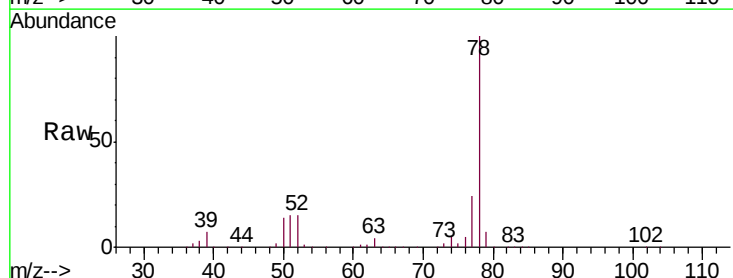
Instrument :
MSVOA_V
ClientSampleId :
C0DB4

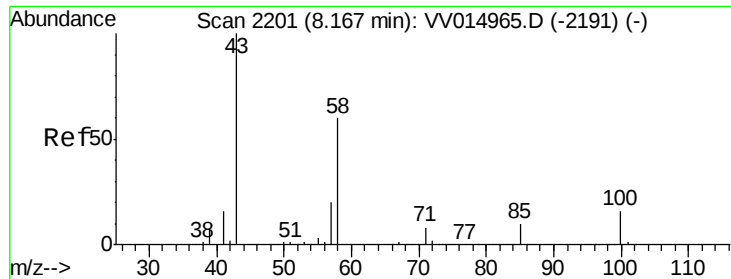
Tgt Ion: 83 Resp: 5750
Ion Ratio Lower Upper
83 100
85 68.9 44.6 82.8



#33
Benzene
Concen: 196.905 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VV014986.D
Acq: 17 Mar 2020 20:14

Tgt Ion: 78 Resp: 1723207

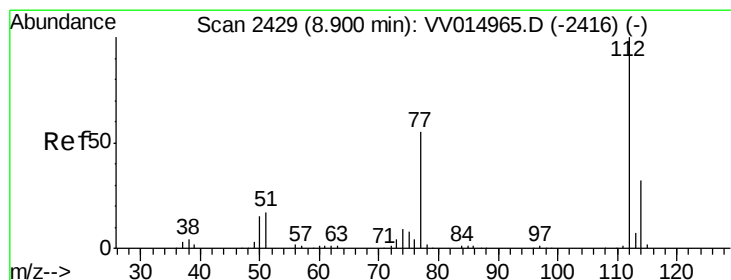
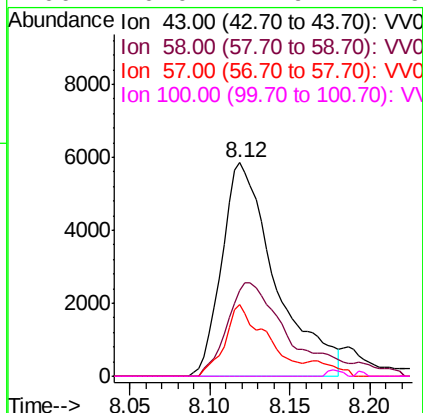
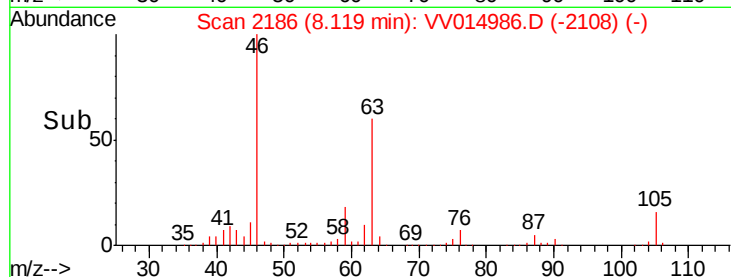
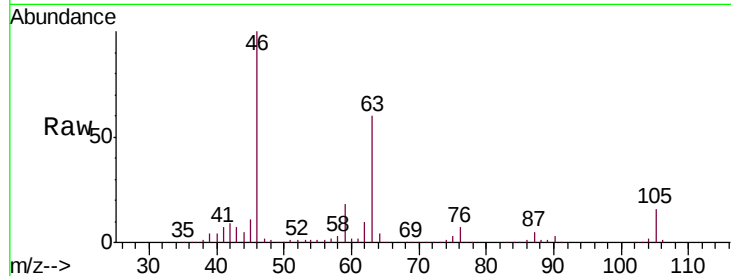




#48
2-Hexanone
Concen: 5.752 ug/L
RT: 8.12 min Scan# 2186
Delta R.T. -0.05 min
Lab File: VV014986.D
Acq: 17 Mar 2020 20:14

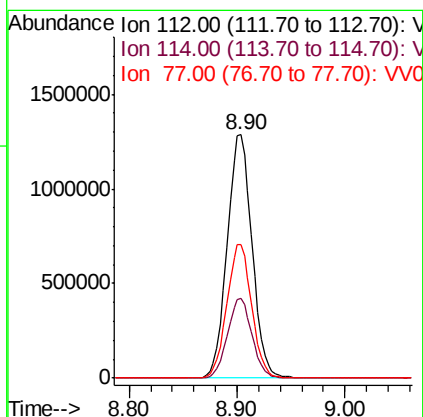
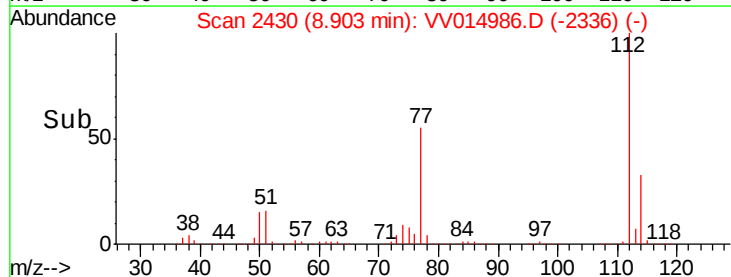
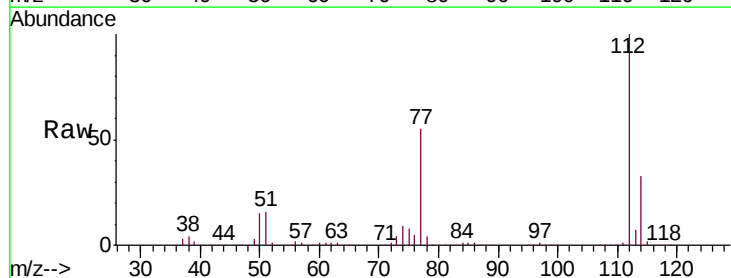
Instrument :
MSVOA_V
ClientSampled :
C0DB4

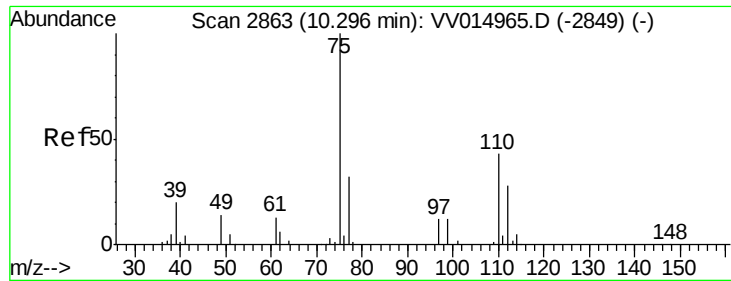
Tgt Ion: 43 Resp: 13476
Ion Ratio Lower Upper
43 100
58 44.3 46.9 70.3#
57 26.2 16.2 24.4#
100 0.0 11.9 17.9#



#51
Chlorobenzene
Concen: 305.635 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV014986.D
Acq: 17 Mar 2020 20:14

Tgt Ion: 112 Resp: 2072601
Ion Ratio Lower Upper
112 100
114 32.7 22.8 42.4
77 54.8 44.5 66.7

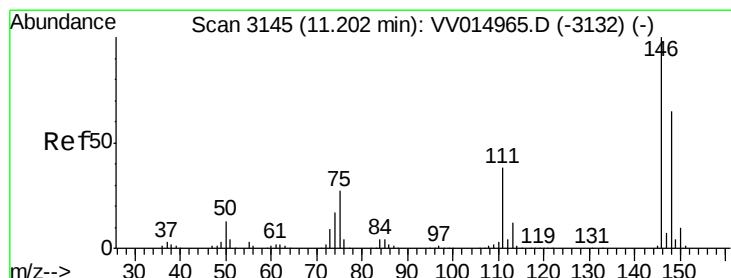
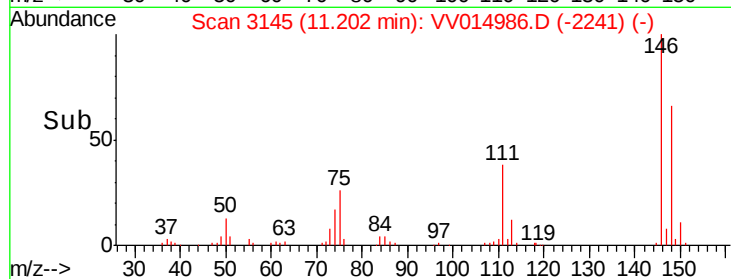
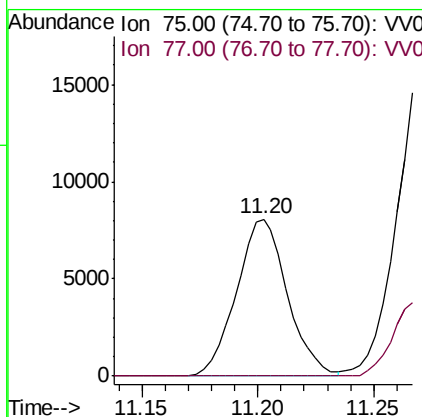
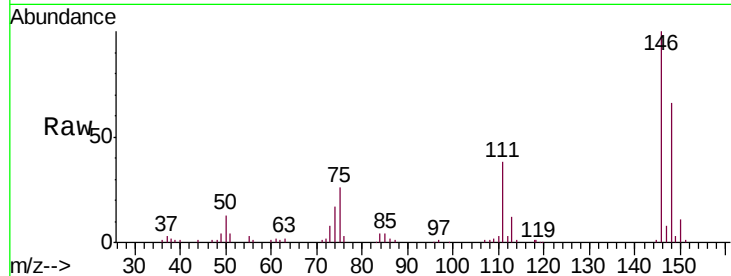




#59
 1,2,3-Trichloropropane
 Concen: 4.092 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.91 min
 Lab File: VV014986.D
 Acq: 17 Mar 2020 20:14

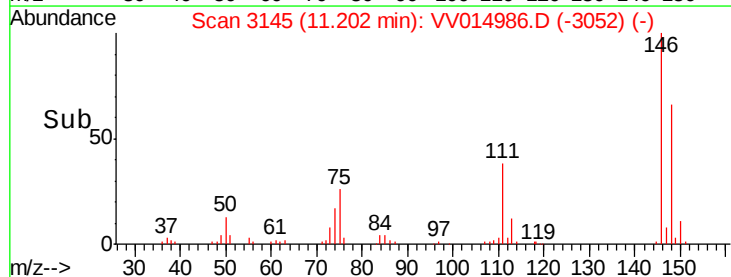
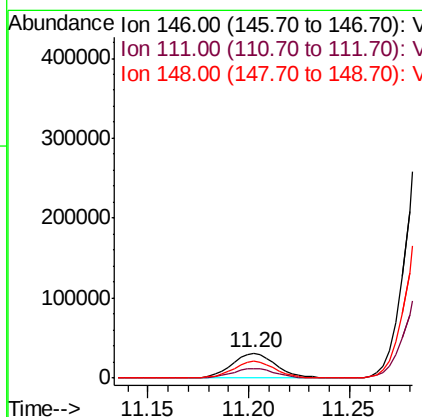
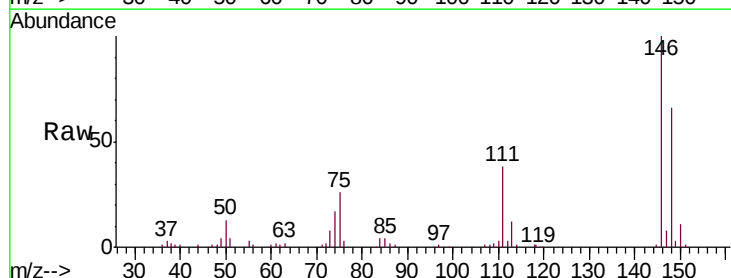
Instrument :
 MSVOA_V
 ClientSampleId :
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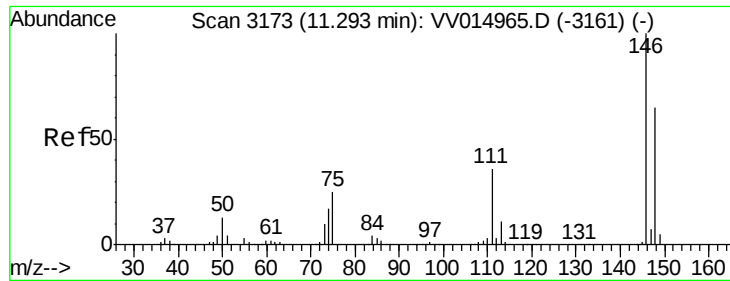
Tgt Ion: 75 Resp: 12306
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.6 40.0#



#62
 1,3-Dichlorobenzene
 Concen: 8.879 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV014986.D
 Acq: 17 Mar 2020 20:14

Tgt Ion: 146 Resp: 47744
 Ion Ratio Lower Upper
 146 100
 111 37.8 26.5 49.3
 148 66.5 45.4 84.2

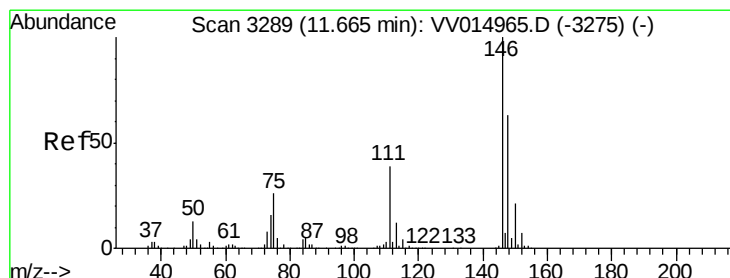
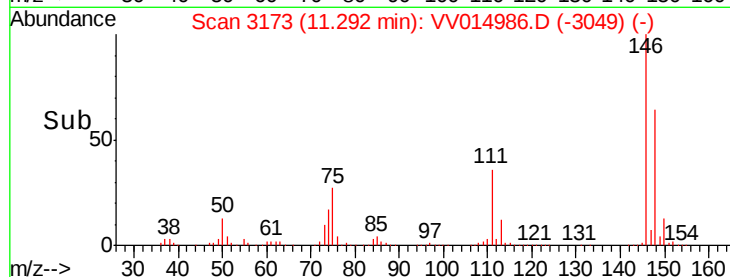
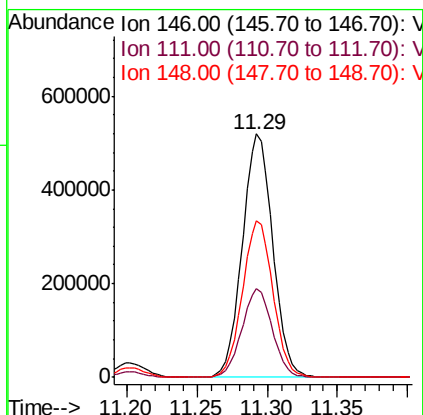
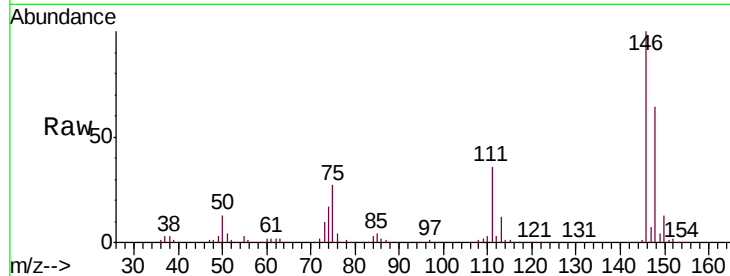




#63
 1,4-Dichlorobenzene
 Concen: 145.160 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV014986.D
 Acq: 17 Mar 2020 20:14

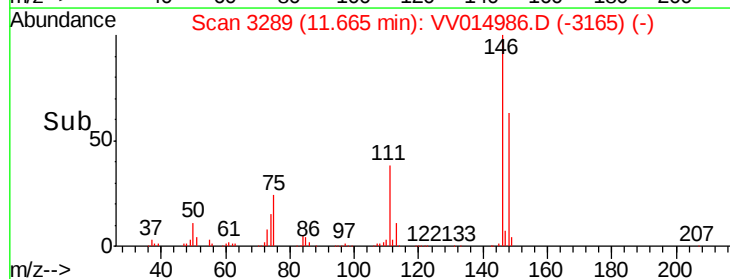
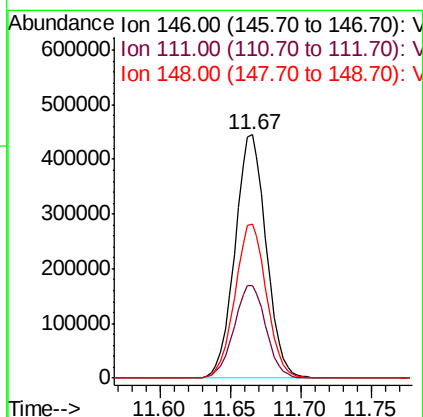
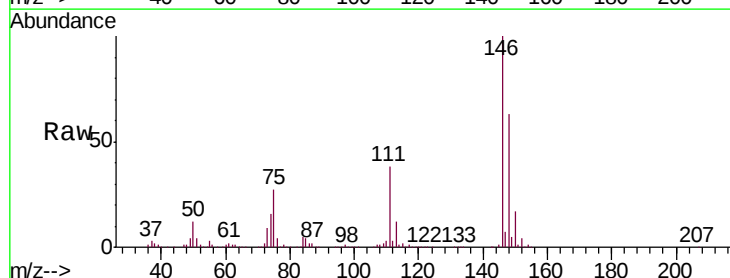
Instrument :
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 ClientSampleId :
 C0DB4

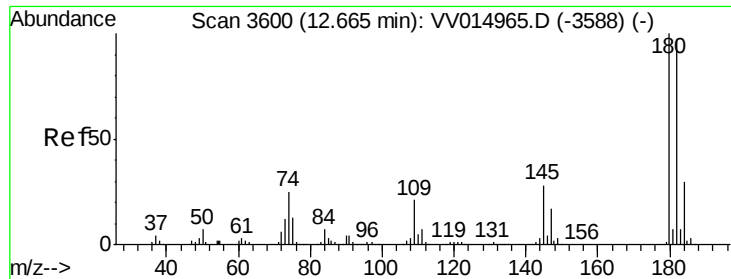
Tgt Ion:146 Resp: 786264
 Ion Ratio Lower Upper
 146 100
 111 36.2 26.0 48.2
 148 64.1 46.1 85.5



#65
 1,2-Dichlorobenzene
 Concen: 128.461 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV014986.D
 Acq: 17 Mar 2020 20:14

Tgt Ion:146 Resp: 689997
 Ion Ratio Lower Upper
 146 100
 111 38.1 31.6 47.4
 148 63.3 52.2 78.4

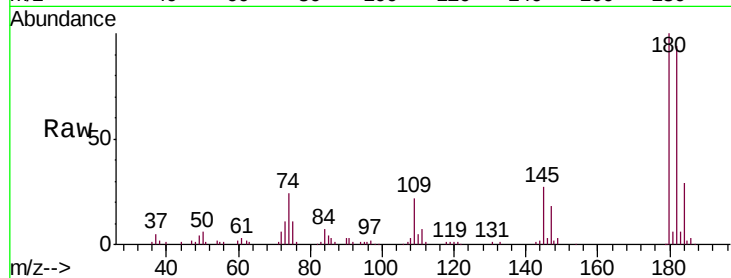




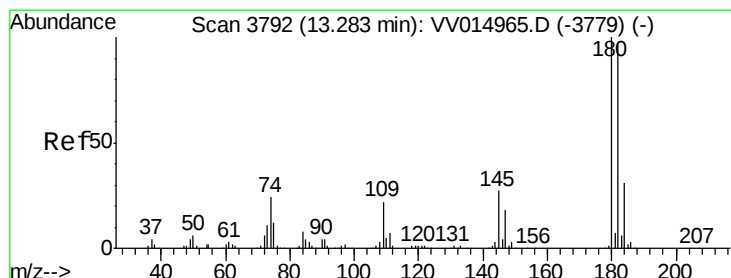
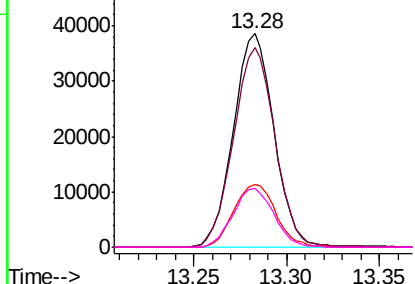
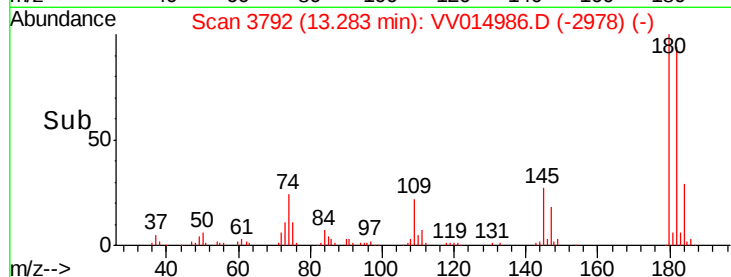
#67
 1,3,5-Trichlorobenzene
 Concen: 13.949 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.62 min
 Lab File: VV014986.D
 Acq: 17 Mar 2020 20:14

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DB4

Tgt Ion:180 Resp: 58807
 Ion Ratio Lower Upper
 180 100
 182 95.2 75.7 113.5
 184 30.6 24.2 36.4
 145 27.7 22.0 33.0

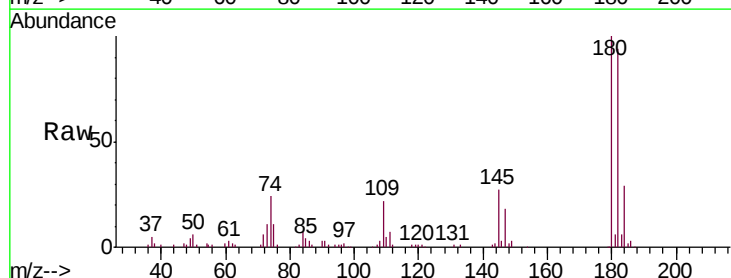


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

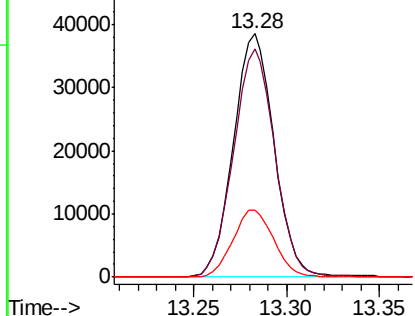
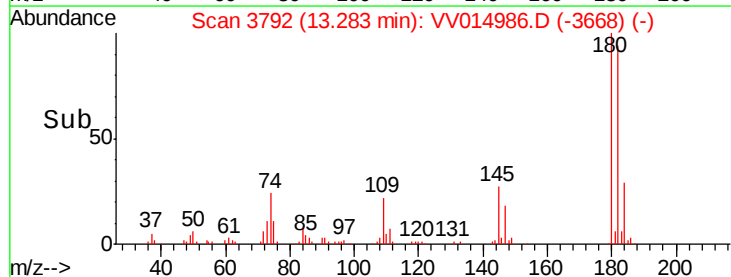


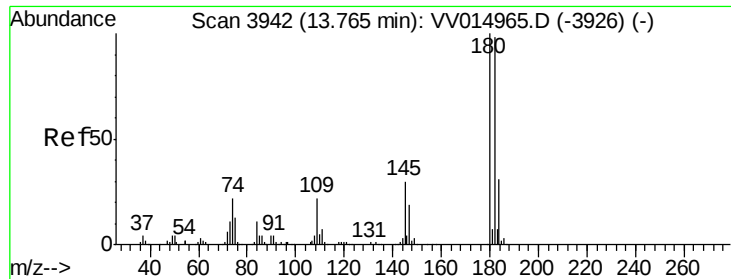
#68
 1,2,4-trichlorobenzene
 Concen: 15.650 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV014986.D
 Acq: 17 Mar 2020 20:14

Tgt Ion:180 Resp: 58807
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.3 114.5
 145 27.7 23.1 34.7



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 1.519 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV014986.D
 Acq: 17 Mar 2020 20:14

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DB4

Tgt Ion	Resp	Lower	Upper
180	5650		
182	117.8	76.2	114.4
145	31.9	24.1	36.1

