

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031620\
 Data File : VV014961.D
 Acq On : 16 Mar 2020 21:21
 Operator : SY/MD
 Sample : L1940-16
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DB7

Quant Time: Mar 18 03:22:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 18 03:17:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	360815	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	356493	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	195938	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	102852	42.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.58%
7) Chloroethane-d5	1.58	69	82032	45.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.90%
11) 1,1-Dichloroethene-d2	2.12	63	127288	34.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.02%
21) 2-Butanone-d5	3.93	46	128643	87.77	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.77%
24) Chloroform-d	4.38	84	226170	45.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.32%
26) 1,2-Dichloroethane-d4	5.06	65	148906	46.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.86%
32) Benzene-d6	5.08	84	461768	47.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.04%
36) 1,2-Dichloropropane-d6	6.10	67	136214	46.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.16%
41) Toluene-d8	7.34	98	449842	46.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.62%
43) trans-1,3-Dichloropropene-	7.64	79	59364	38.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.36%
47) 2-Hexanone-d5	8.12	63	124648	94.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.42%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	196801	45.97	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.94%
64) 1,2-Dichlorobenzene-d4	11.65	152	201440	46.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.86%

Target Compounds

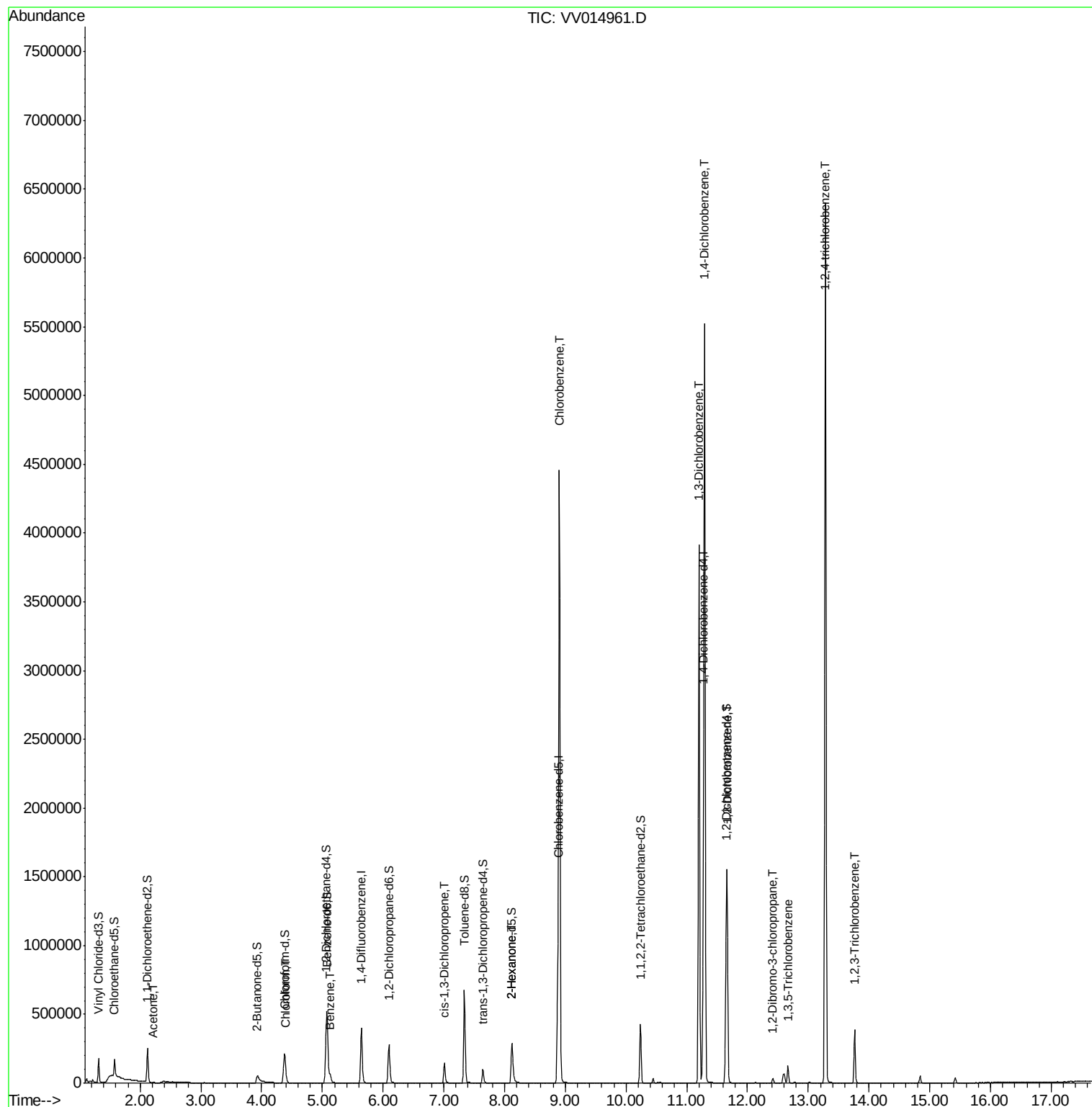
					Ovalue
13) Acetone	2.21	43	1697	1.172	ug/L 92
25) Chloroform	4.41	83	4715	0.998	ug/L 97
33) Benzene	5.13	78	58097	5.989	ug/L 100
39) cis-1,3-Dichloropropene	7.01	75	4069	1.018	ug/L # 58
48) 2-Hexanone	8.12	43	15013	5.781	ug/L # 69
51) Chlorobenzene	8.90	112	2440619	324.692	ug/L 100
62) 1,3-Dichlorobenzene	11.20	146	1639786	253.959	ug/L 99
63) 1,4-Dichlorobenzene	11.29	146	2256977	347.001	ug/L 98
65) 1,2-Dichlorobenzene	11.67	146	586845	90.986	ug/L 98
66) 1,2-Dibromo-3-chloropropan	12.42	75	5252	5.417	ug/L # 1
67) 1,3,5-Trichlorobenzene	12.67	180	40230	7.947	ug/L 99
68) 1,2,4-trichlorobenzene	13.28	180	2049838	454.289	ug/L 100
70) 1,2,3-Trichlorobenzene	13.77	180	125338	28.061	ug/L 97

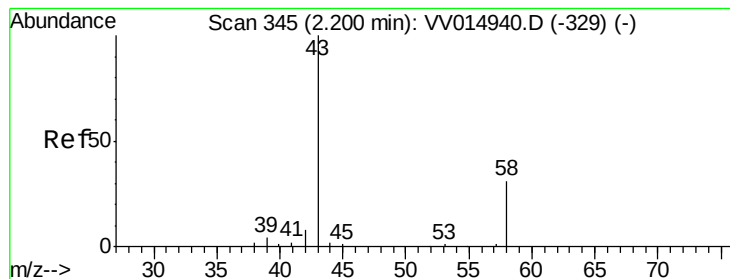
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.172 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.01 min

Lab File: VV014961.D

Acq: 16 Mar 2020 21:21

Instrument :

MSVOA_V

ClientSampleId :

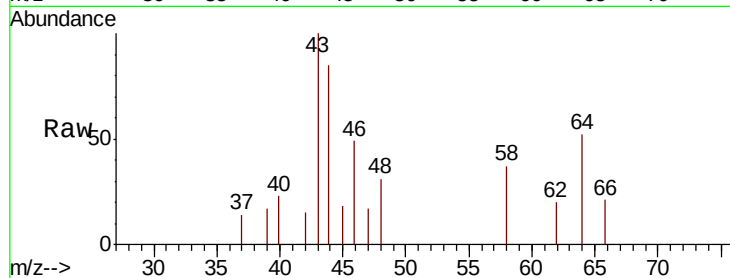
C0DB7

Tot Ion: 43 Resp: 1697

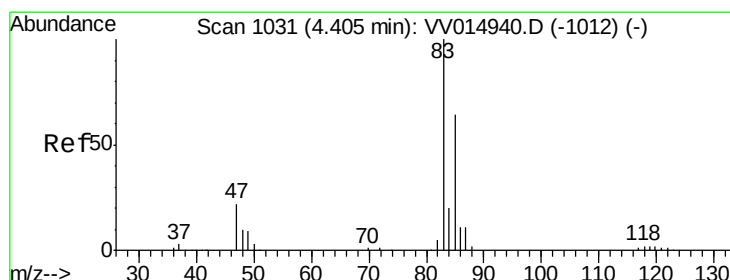
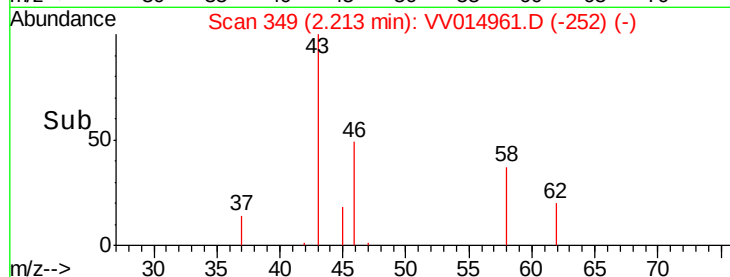
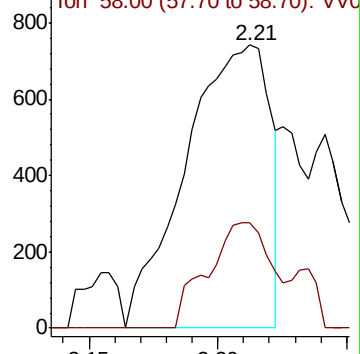
Ion Ratio Lower Upper

43 100

58 21.9 0.0 51.6



Abundance Ion 43.00 (42.70 to 43.70): VV014940.D (-329) (-)



#25

Chloroform

Concen: 0.998 ug/L

RT: 4.41 min Scan# 1033

Delta R.T. 0.01 min

Lab File: VV014961.D

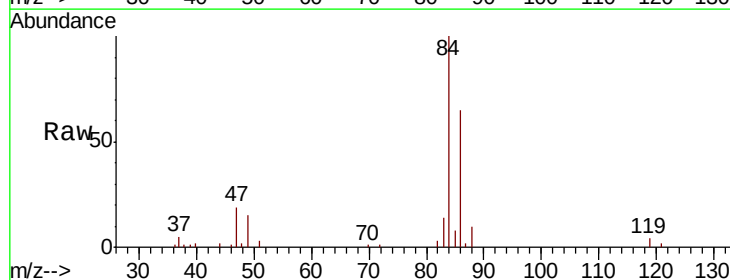
Acq: 16 Mar 2020 21:21

Tgt Ion: 83 Resp: 4715

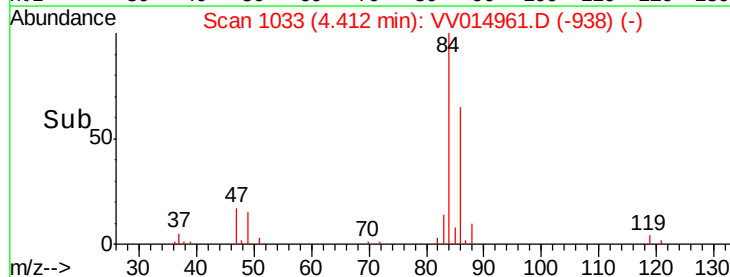
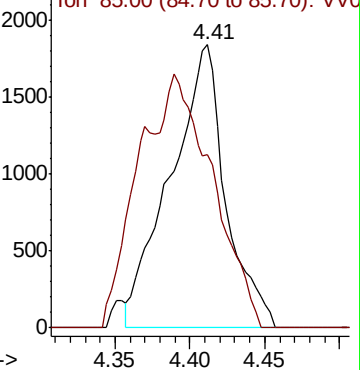
Ion Ratio Lower Upper

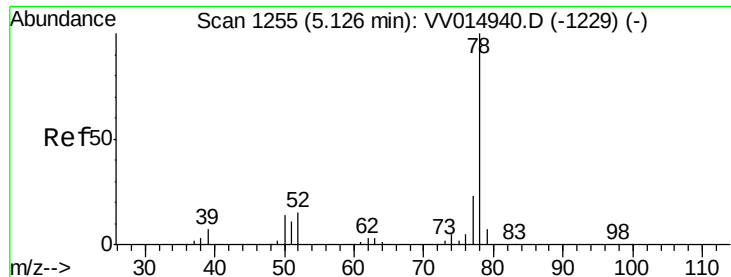
83 100

85 61.3 44.6 82.8



Abundance Ion 83.00 (82.70 to 83.70): VV014940.D (-1012) (-)





#33

Benzene

Concen: 5.989 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VV014961.D

Acq: 16 Mar 2020 21:21

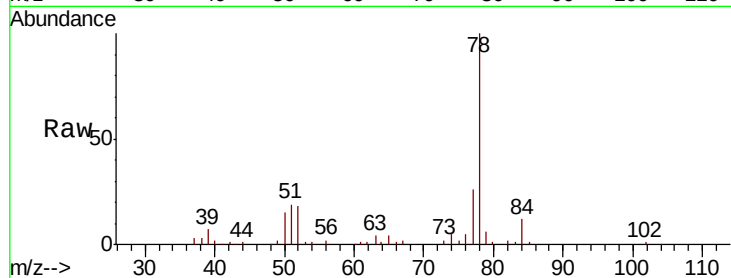
Instrument :

MSVOA_V

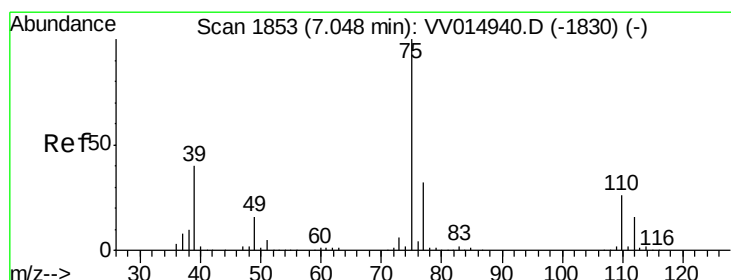
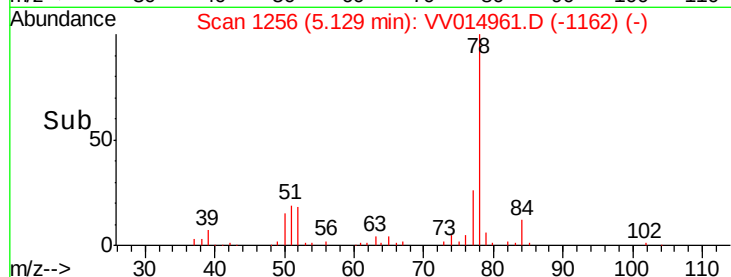
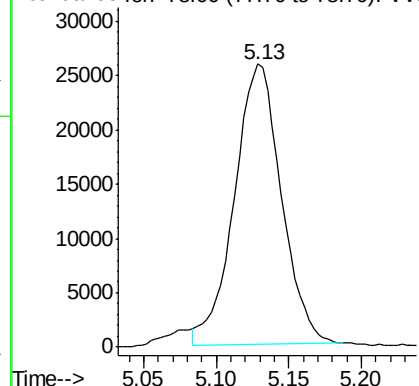
ClientSampleId :

C0DB7

Tgt Ion: 78 Resp: 58097



Abundance Ion 78.00 (77.70 to 78.70): VV0



#39

cis-1,3-Dichloropropene

Concen: 1.018 ug/L

RT: 7.01 min Scan# 1841

Delta R.T. -0.04 min

Lab File: VV014961.D

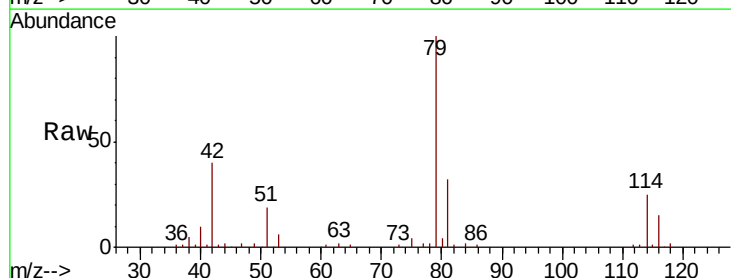
Acq: 16 Mar 2020 21:21

Tgt Ion: 75 Resp: 4069

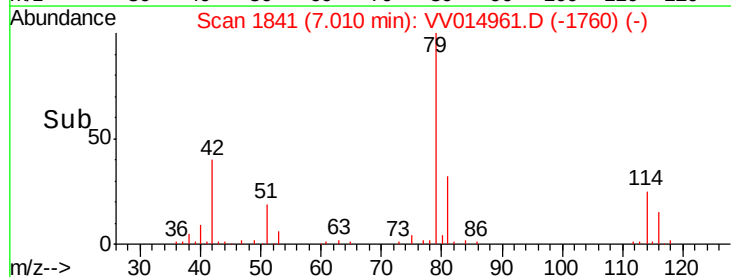
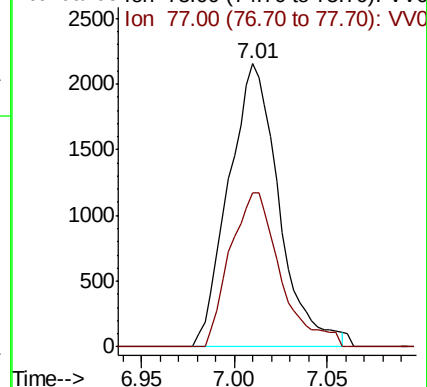
Ion Ratio Lower Upper

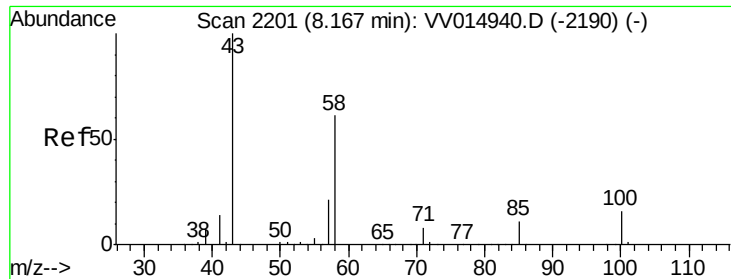
75 100

77 54.3 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VV0

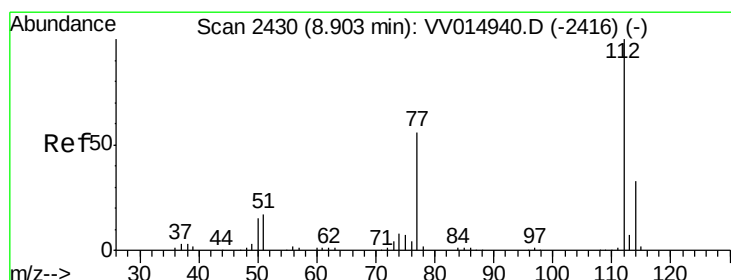
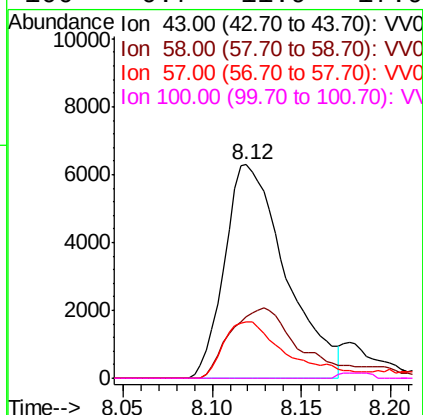
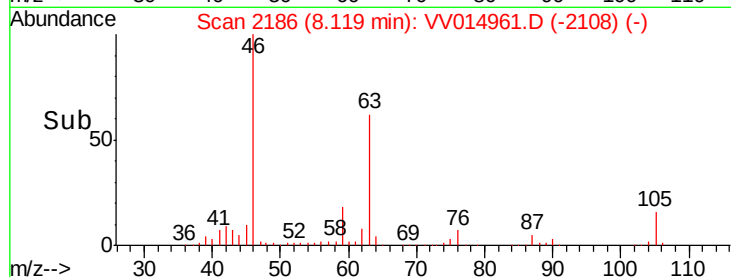
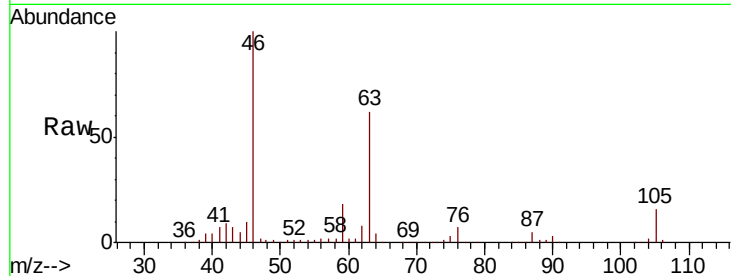




#48
2-Hexanone
Concen: 5.781 ug/L
RT: 8.12 min Scan# 2186
Delta R.T. -0.05 min
Lab File: VV014961.D
Acq: 16 Mar 2020 21:21

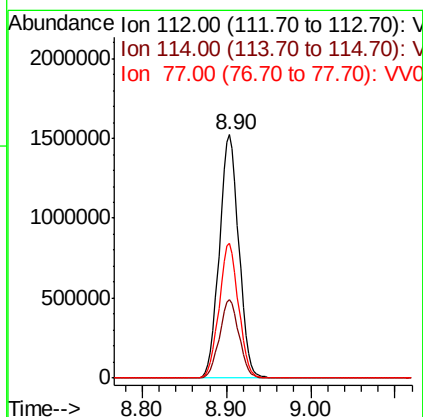
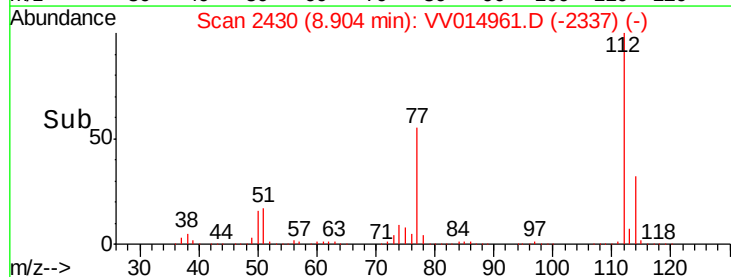
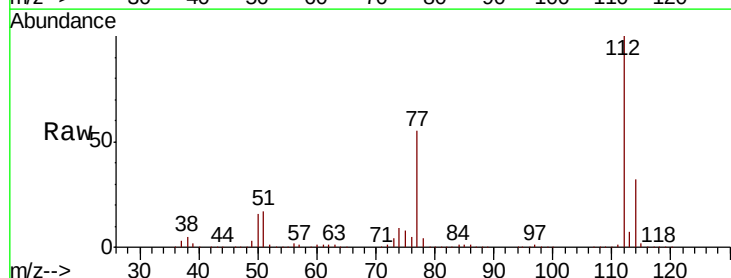
Instrument :
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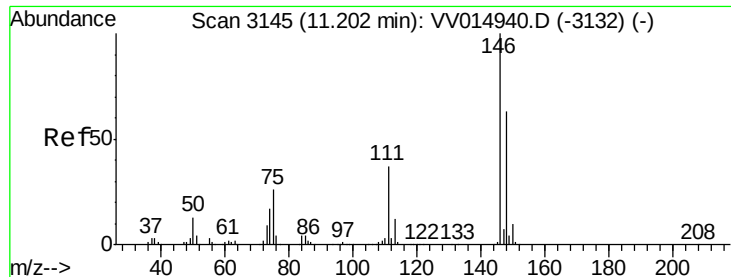
Tot Ion: 43 Resp: 15013
Ion Ratio Lower Upper
43 100
58 30.9 46.9 70.3#
57 24.9 16.2 24.4#
100 0.7 11.9 17.9#



#51
Chlorobenzene
Concen: 324.692 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV014961.D
Acq: 16 Mar 2020 21:21

Tgt Ion: 112 Resp: 2440619
Ion Ratio Lower Upper
112 100
114 32.5 22.8 42.4
77 55.3 44.5 66.7

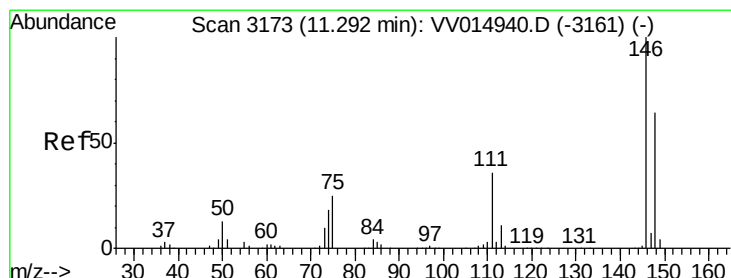
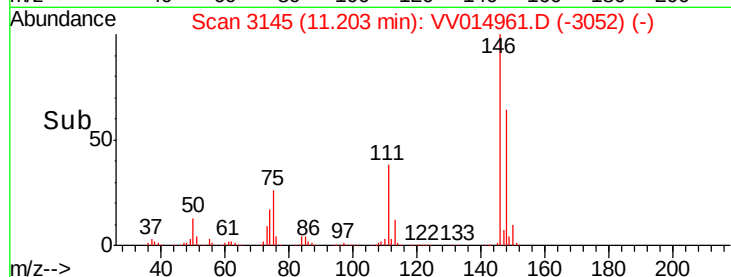
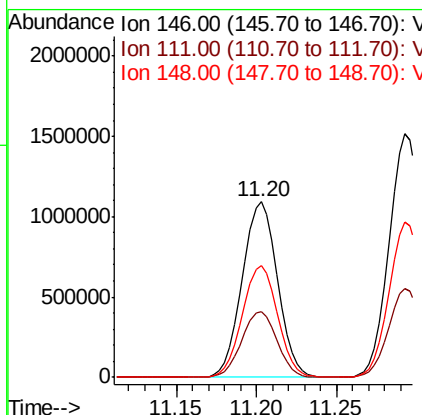
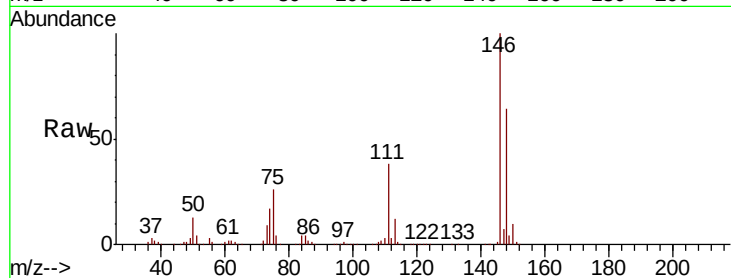




#62
 1,3-Dichlorobenzene
 Concen: 253.959 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV014961.D
 Acq: 16 Mar 2020 21:21

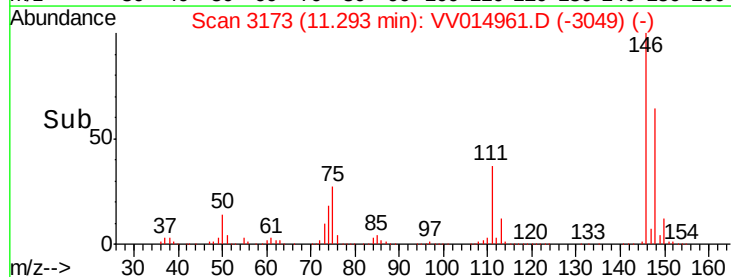
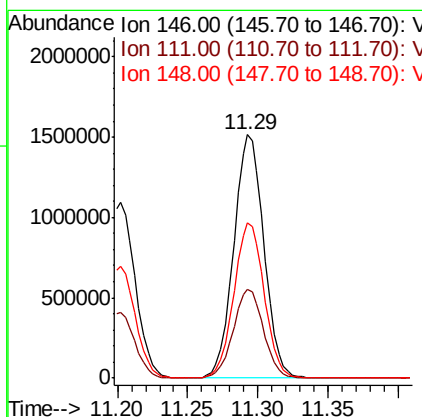
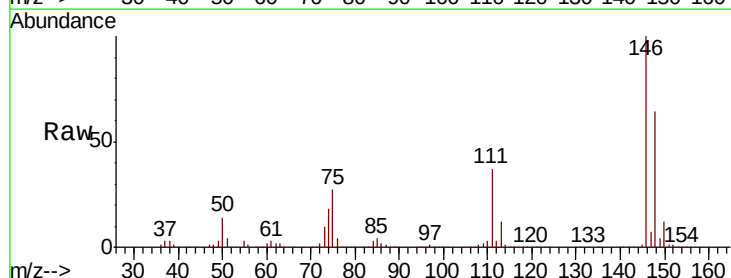
Instrument :
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 ClientSampleId :
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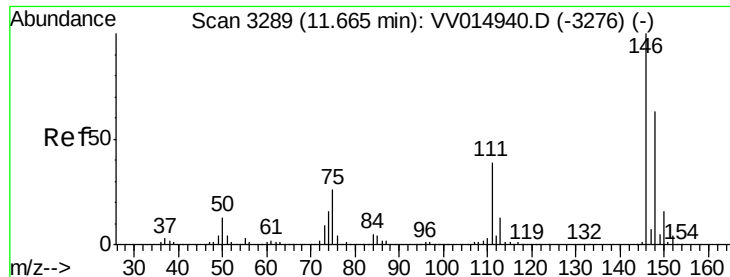
Tot Ion:146 Resp: 1639786
 Ion Ratio Lower Upper
 146 100
 111 37.8 26.5 49.3
 148 63.9 45.4 84.2



#63
 1,4-Dichlorobenzene
 Concen: 347.001 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV014961.D
 Acq: 16 Mar 2020 21:21

Tgt Ion:146 Resp: 2256977
 Ion Ratio Lower Upper
 146 100
 111 36.5 26.0 48.2
 148 63.6 46.1 85.5

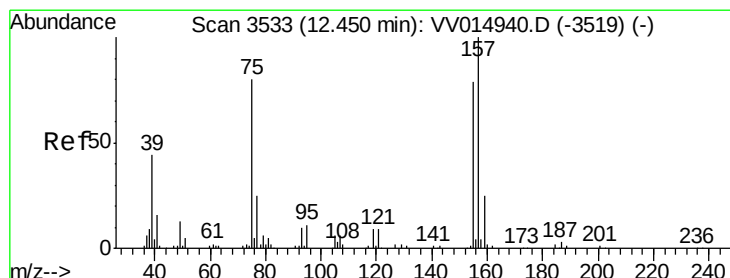
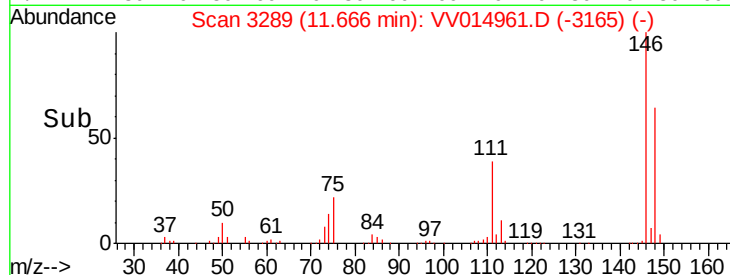
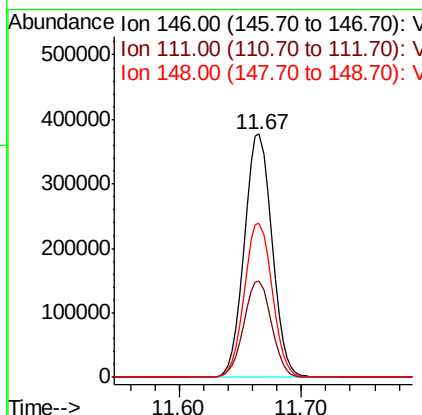
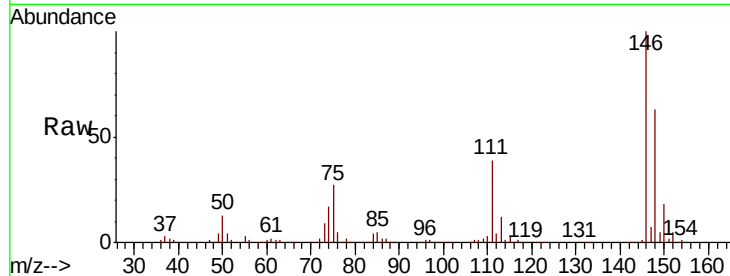




#65
 1,2-Dichlorobenzene
 Concen: 90.986 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV014961.D
 Acq: 16 Mar 2020 21:21

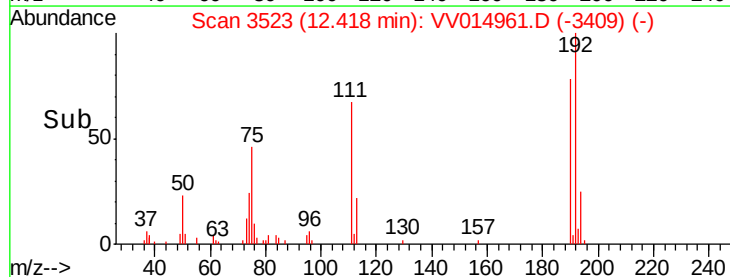
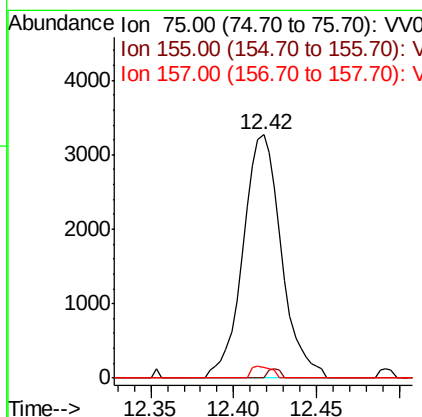
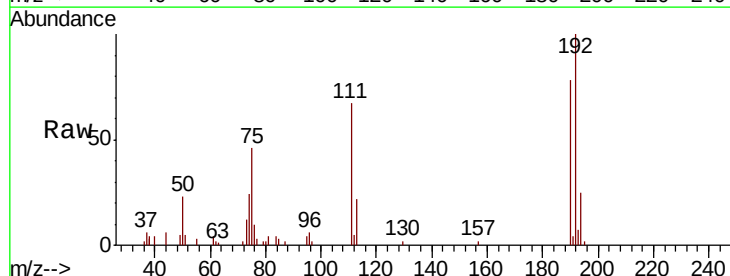
Instrument :
 MSVOA_V
 ClientSampleID :
 C0DB7

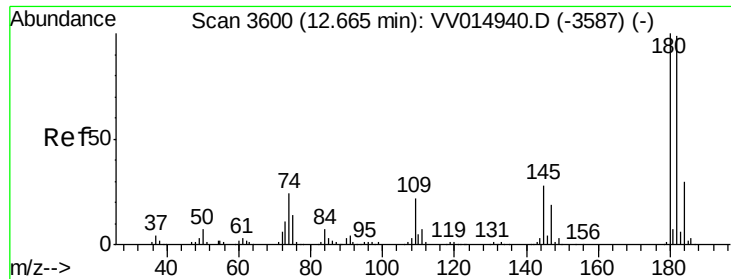
Tot Ion:146 Resp: 586845
 Ion Ratio Lower Upper
 146 100
 111 39.4 31.6 47.4
 148 63.5 52.2 78.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.417 ug/L
 RT: 12.42 min Scan# 3523
 Delta R.T. -0.03 min
 Lab File: VV014961.D
 Acq: 16 Mar 2020 21:21

Tgt Ion: 75 Resp: 5252
 Ion Ratio Lower Upper
 75 100
 155 0.0 77.7 116.5#
 157 4.5 97.2 145.8#

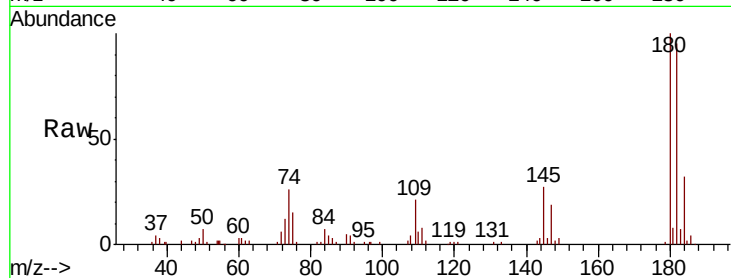




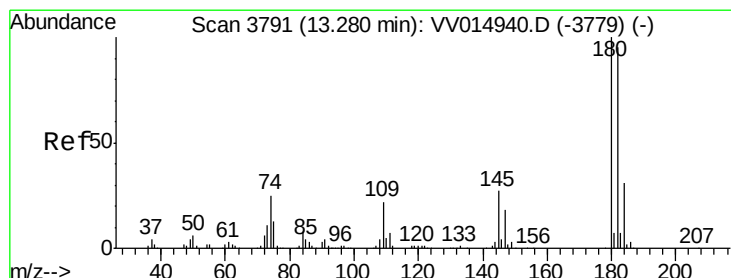
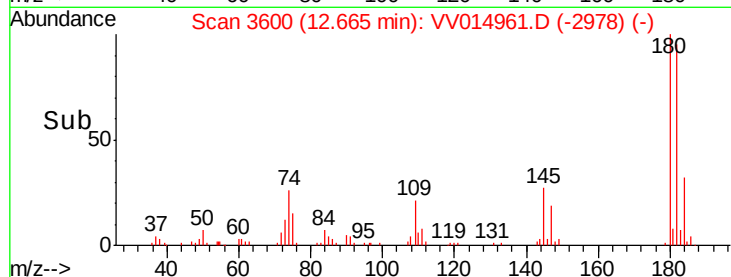
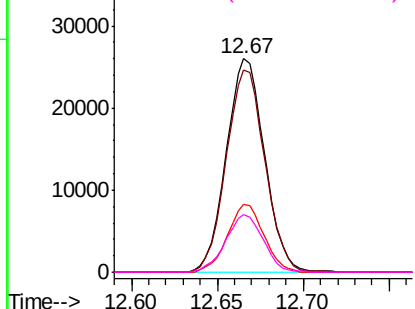
#67
 1,3,5-Trichlorobenzene
 Concen: 7.947 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV014961.D
 Acq: 16 Mar 2020 21:21

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DB7

Tot Ion:180 Resp: 40230
 Ion Ratio Lower Upper
 180 100
 182 95.5 75.7 113.5
 184 30.3 24.2 36.4
 145 26.7 22.0 33.0

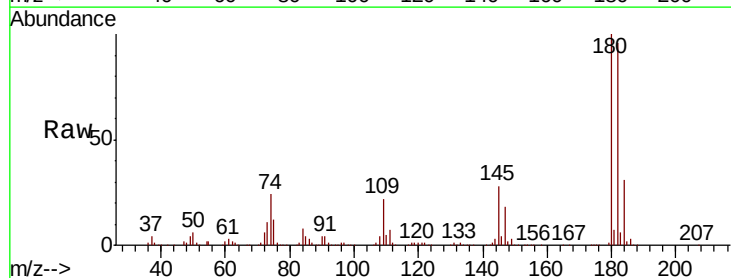


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

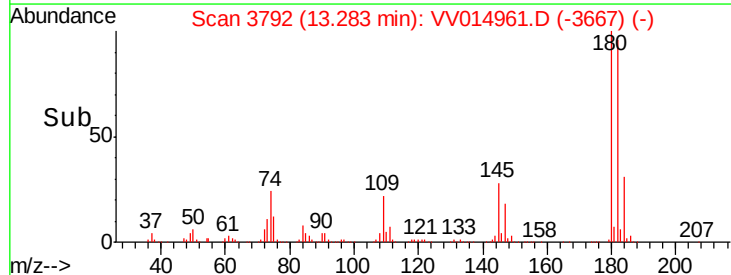
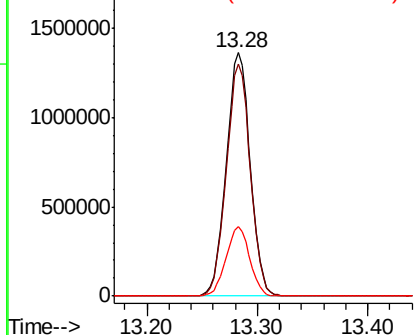


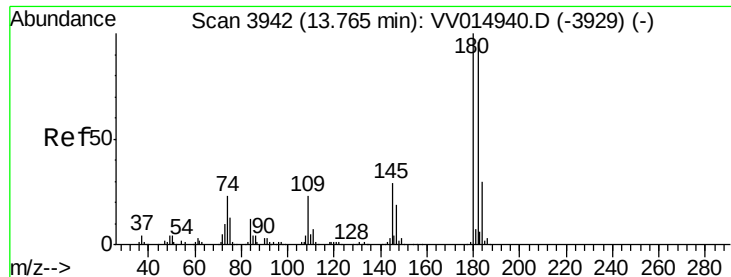
#68
 1,2,4-trichlorobenzene
 Concen: 454.289 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV014961.D
 Acq: 16 Mar 2020 21:21

Tgt Ion:180 Resp: 2049838
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.3 114.5
 145 28.2 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: 28.061 ug/L
 RT: 13.77 min Scan# 3942
 Delta R.T. 0.00 min
 Lab File: VV014961.D
 Acq: 16 Mar 2020 21:21

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DB7

Tot Ion:	180	Resp:	125338
Ion	Ratio	Lower	Upper
180	100		
182	98.5	76.2	114.4
145	29.8	24.1	36.1

