

Data File : VV015028.D
Acq On : 18 Mar 2020 21:12
Operator : SY/MD
Sample : L1941-05DL40X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0DB5DL

Quant Time: Mar 19 04:11:25 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031820WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 19 04:08:09 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	334666	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	327952	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	164733	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	84517	54.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	108.10%
7) Chloroethane-d5	1.58	69	66899	54.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	109.12%
11) 1,1-Dichloroethene-d2	2.12	63	104791	39.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.42%
21) 2-Butanone-d5	3.93	46	116003	109.43	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.43%
24) Chloroform-d	4.38	84	200698	50.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.26%
26) 1,2-Dichloroethane-d4	5.06	65	132148	52.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.88%
32) Benzene-d6	5.08	84	415743	53.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.84%
36) 1,2-Dichloropropane-d6	6.10	67	120722	53.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.04%
41) Toluene-d8	7.34	98	405571	51.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.54%
43) trans-1,3-Dichloropropene-	7.64	79	59687	49.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.08%
47) 2-Hexanone-d5	8.12	63	111140	105.92	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.92%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	171535	50.06	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.12%
64) 1,2-Dichlorobenzene-d4	11.65	152	175073	52.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.88%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1214	0.844 ug/L #	13
25) Chloroform	4.40	83	3026	0.770 ug/L #	75
33) Benzene	5.13	78	6392	0.796 ug/L	100
35) Methylcyclohexane	6.10	83	31696	9.184 ug/L #	20
48) 2-Hexanone	8.12	43	11771	5.860 ug/L #	71
51) Chlorobenzene	8.90	112	24047	3.769 ug/L	98
59) 1,2,3-Trichloropropane	11.20	75	5497	2.015 ug/L #	42
62) 1,3-Dichlorobenzene	11.20	146	22166	4.470 ug/L	96
63) 1,4-Dichlorobenzene	11.29	146	330427	64.019 ug/L	98
65) 1,2-Dichlorobenzene	11.66	146	94030	17.854 ug/L	99
67) 1,3,5-Trichlorobenzene	13.28	180	23668	6.033 ug/L	96
68) 1,2,4-trichlorobenzene	13.28	180	23668	6.551 ug/L	97
70) 1,2,3-Trichlorobenzene	13.77	180	4775	1.345 ug/L	96

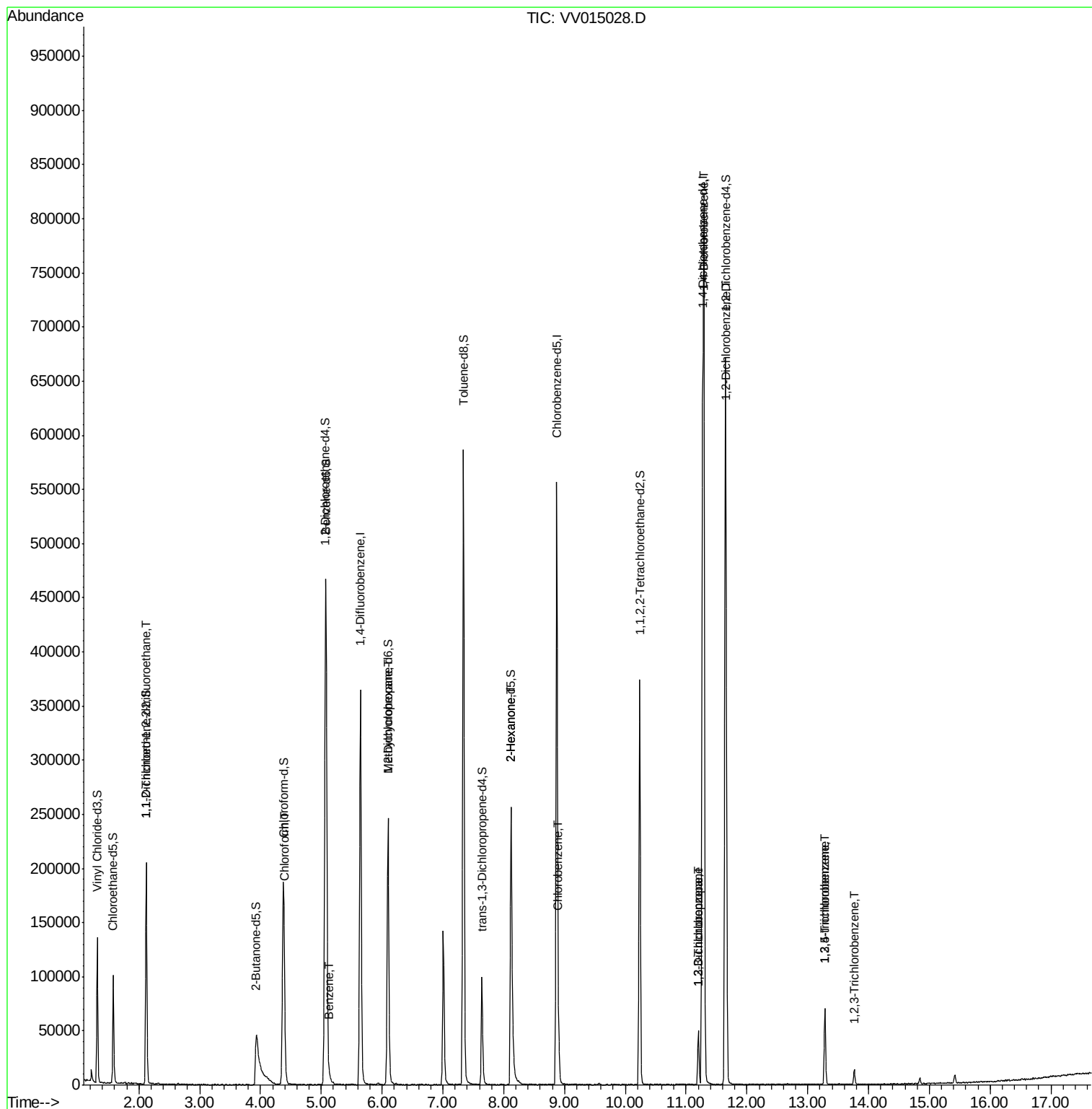
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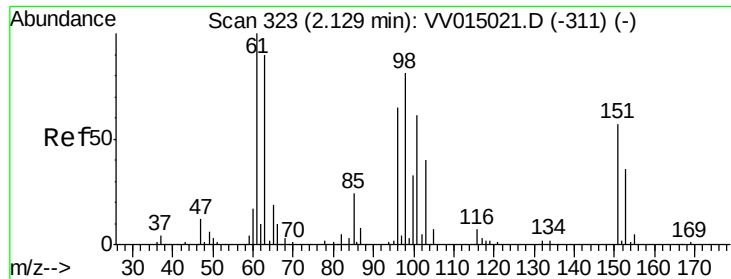
Data File : VV015028.D

```
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ALS Vial     : 19   Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
C0DB5DL

Quant Time: Mar 19 04:11:25 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031820WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 19 04:08:09 2020
Response via : Initial Calibration





#10

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

Concen: 0.844 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV015028.D

Acq: 18 Mar 2020 21:12

Instrument :

MSVOA_V

ClientSampleId :

C0DB5DL

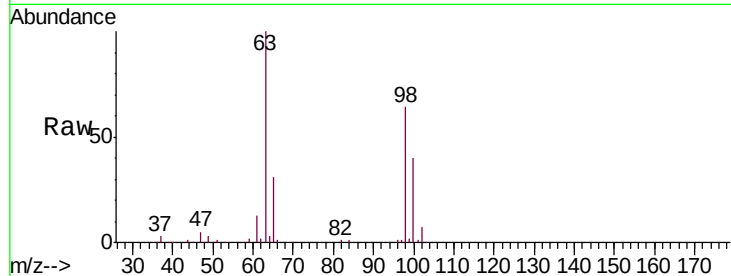
Tgt Ion:101 Resp: 1214

Ion Ratio Lower Upper

101 100

85 0.0 33.2 49.8#

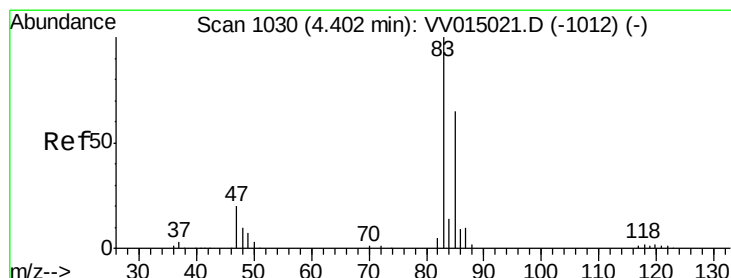
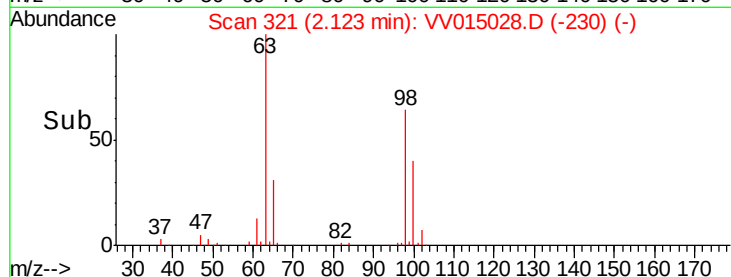
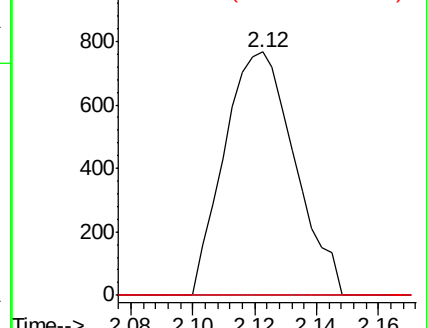
151 0.0 72.6 109.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#25

Chloroform

Concen: 0.770 ug/L

RT: 4.40 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VV015028.D

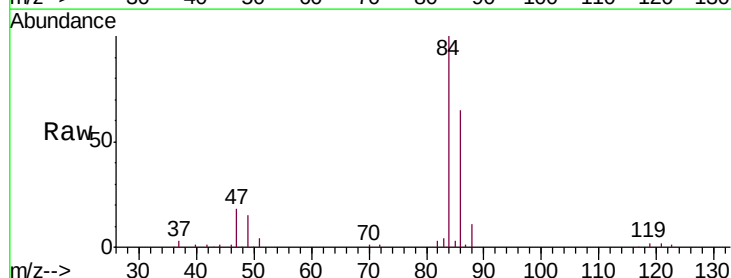
Acq: 18 Mar 2020 21:12

Tgt Ion: 83 Resp: 3026

Ion Ratio Lower Upper

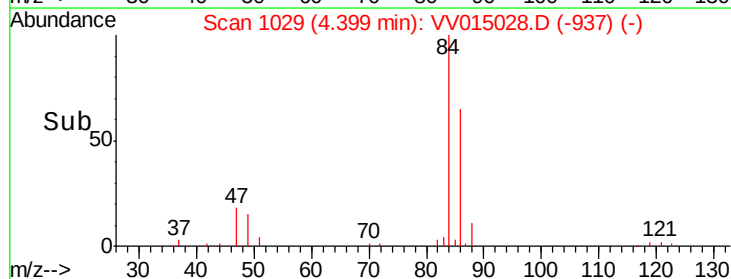
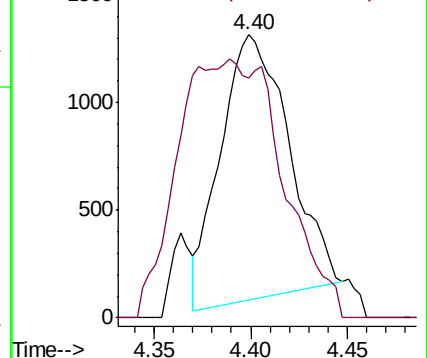
83 100

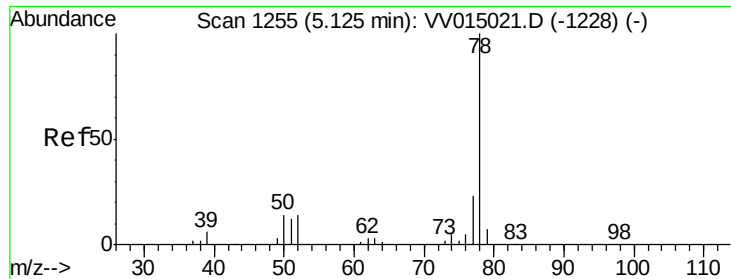
85 84.6 45.4 84.4#



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#33

Benzene

Concen: 0.796 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VV015028.D

Acq: 18 Mar 2020 21:12

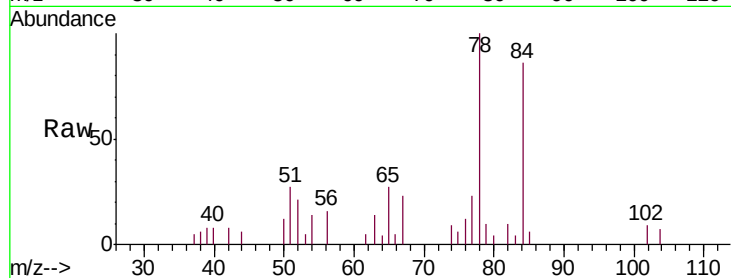
Instrument :

MSVOA_V

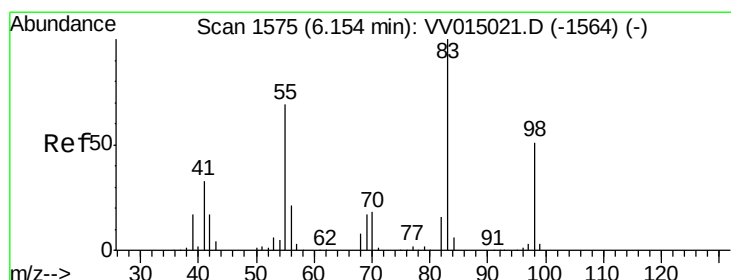
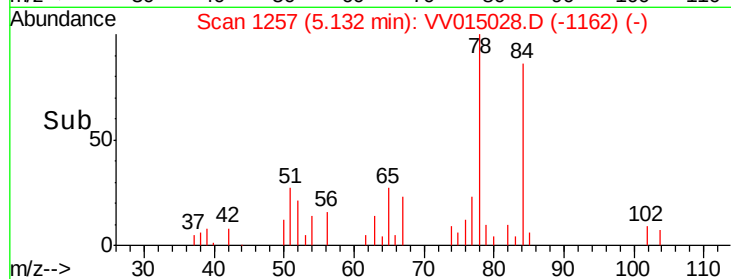
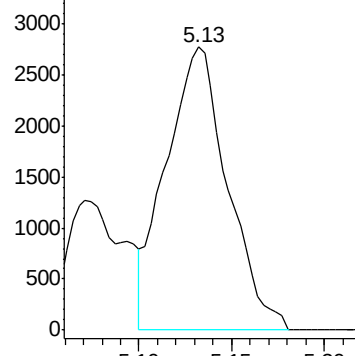
ClientSampleId :

C0DB5DL

Tgt Ion: 78 Resp: 6392



Abundance Ion 78.00 (77.70 to 78.70): VV0



#35

Methylcyclohexane

Concen: 9.184 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.06 min

Lab File: VV015028.D

Acq: 18 Mar 2020 21:12

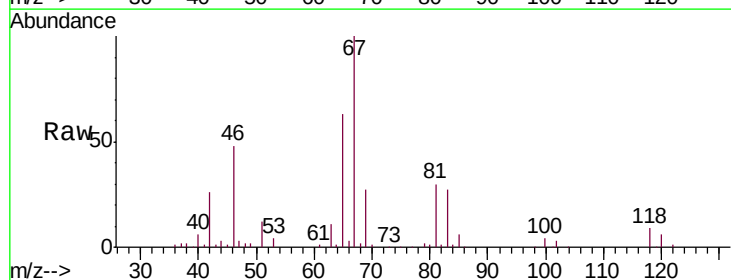
Tgt Ion: 83 Resp: 31696

Ion Ratio Lower Upper

83 100

55 0.0 55.4 83.0#

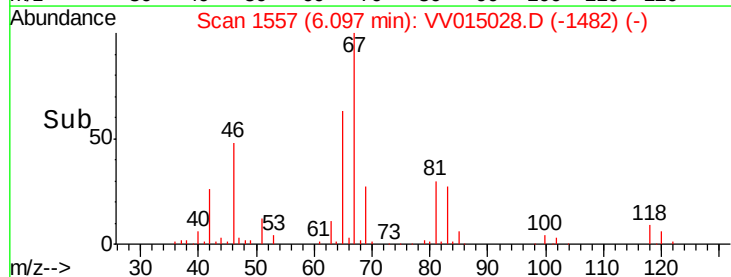
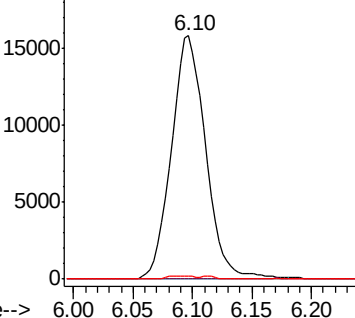
98 0.4 40.6 61.0#

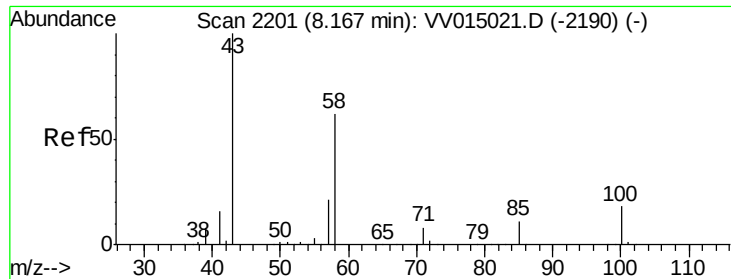


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

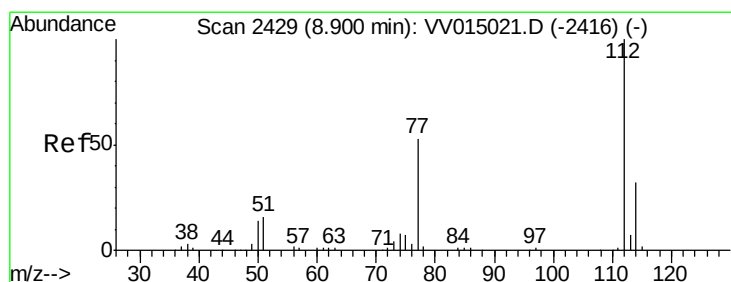
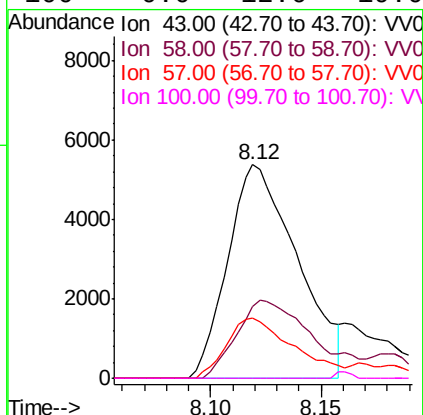
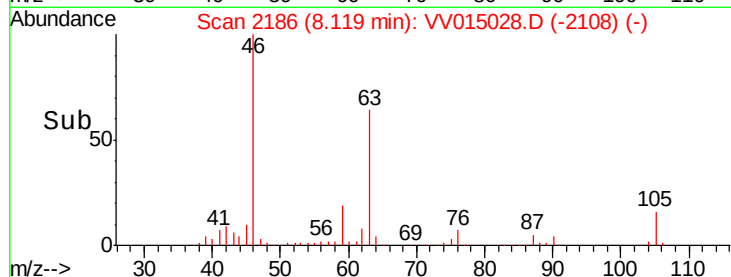
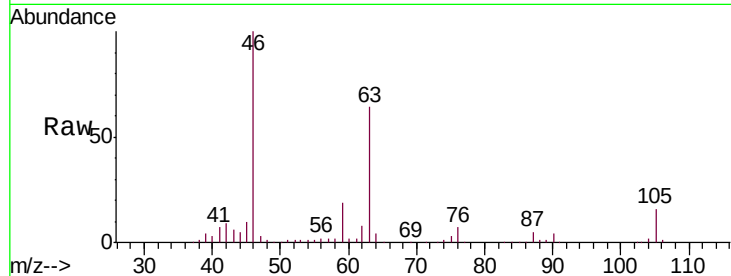




#48
2-Hexanone
Concen: 5.860 ug/L
RT: 8.12 min Scan# 2186
Delta R.T. -0.05 min
Lab File: VV015028.D
Acq: 18 Mar 2020 21:12

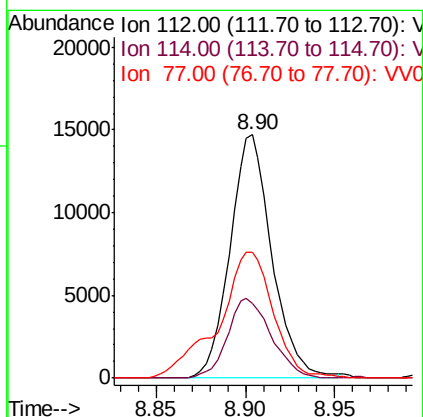
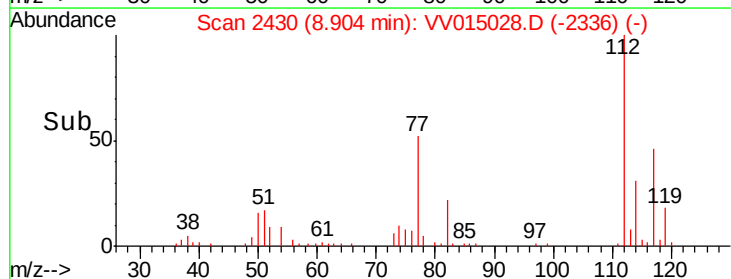
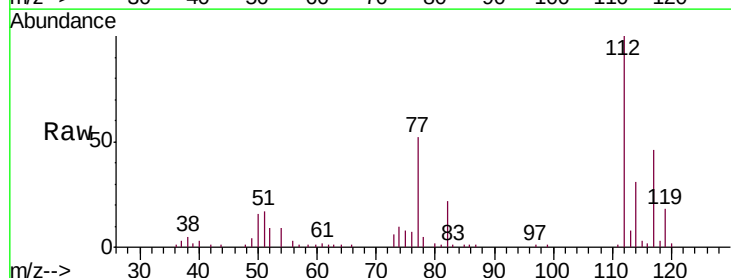
Instrument :
MSVOA_V
ClientSampleId :
C0DB5DL

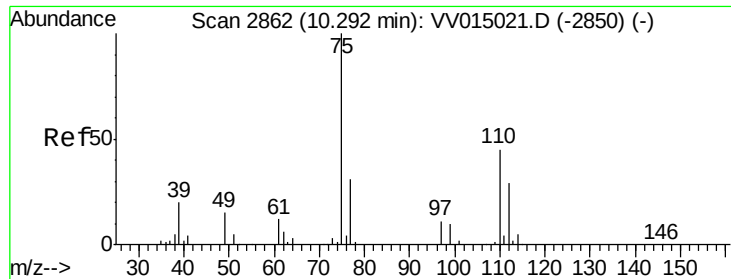
Tgt Ion: 43 Resp: 11771
Ion Ratio Lower Upper
43 100
58 37.0 48.2 72.2#
57 27.3 15.8 23.6#
100 0.0 12.6 19.0#



#51
Chlorobenzene
Concen: 3.769 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015028.D
Acq: 18 Mar 2020 21:12

Tgt Ion: 112 Resp: 24047
Ion Ratio Lower Upper
112 100
114 30.8 22.4 41.6
77 51.7 42.9 64.3

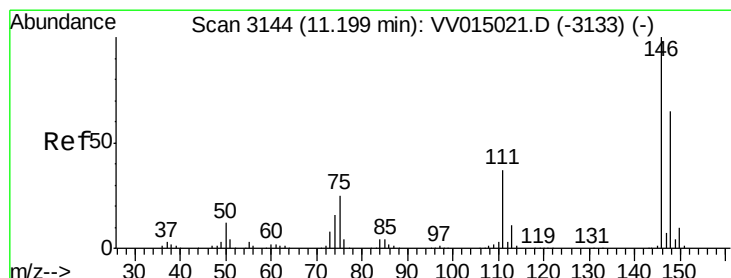
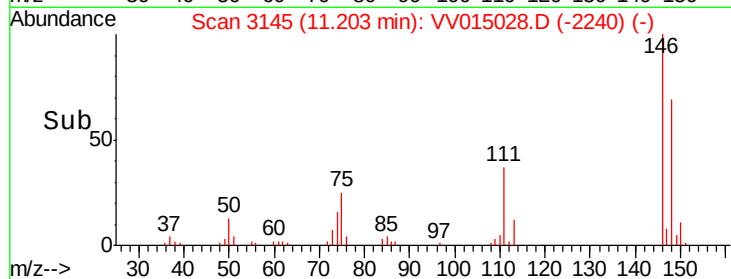
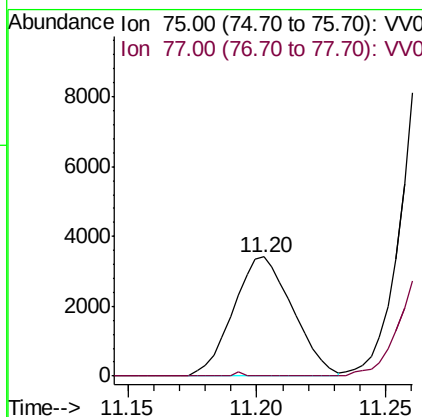
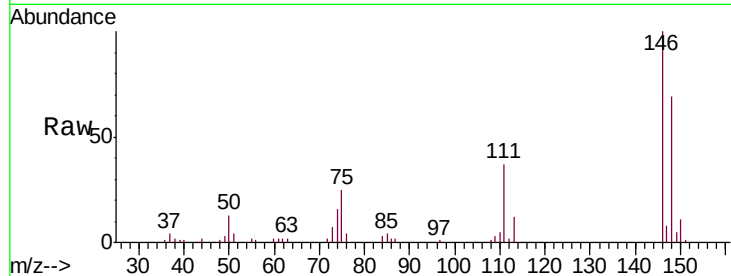




#59
 1,2,3-Trichloropropane
 Concen: 2.015 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.91 min
 Lab File: VV015028.D
 Acq: 18 Mar 2020 21:12

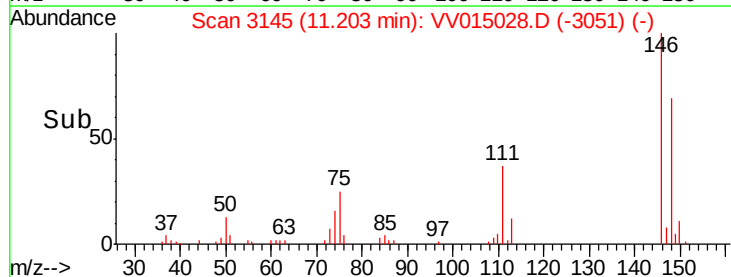
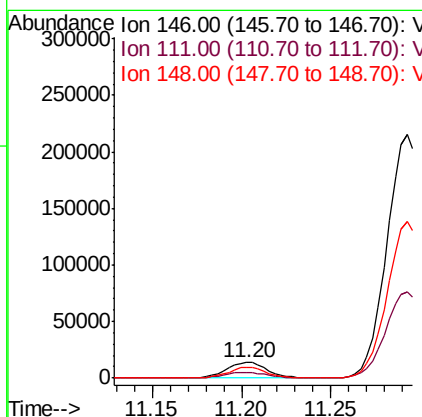
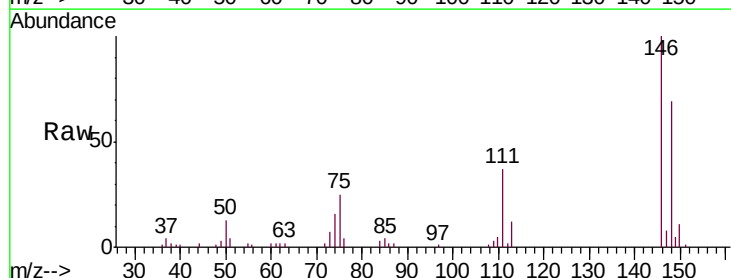
Instrument :
 MSVOA_V
 ClientSampled :
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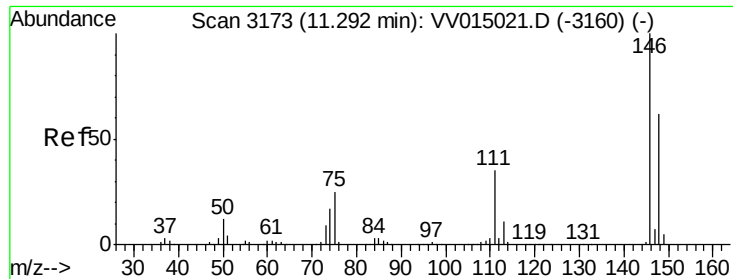
Tgt Ion: 75 Resp: 5497
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.2 39.2#



#62
 1,3-Dichlorobenzene
 Concen: 4.470 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV015028.D
 Acq: 18 Mar 2020 21:12

Tgt Ion: 146 Resp: 22166
 Ion Ratio Lower Upper
 146 100
 111 37.3 25.7 47.7
 148 69.1 45.4 84.4

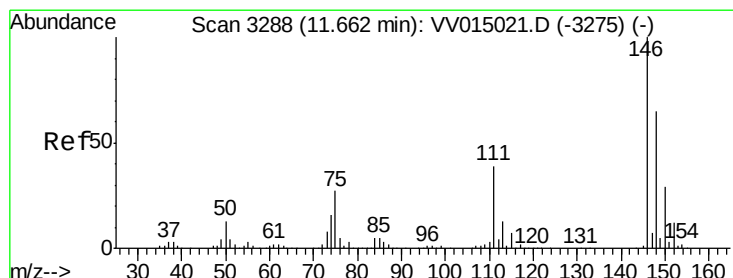
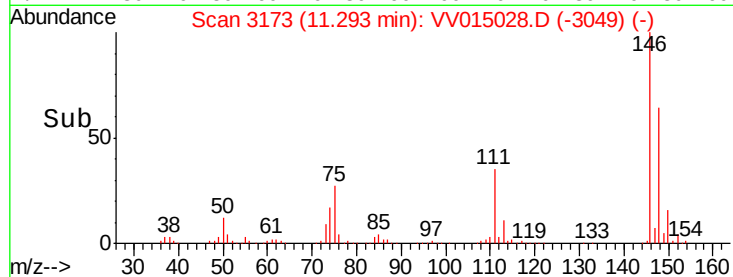
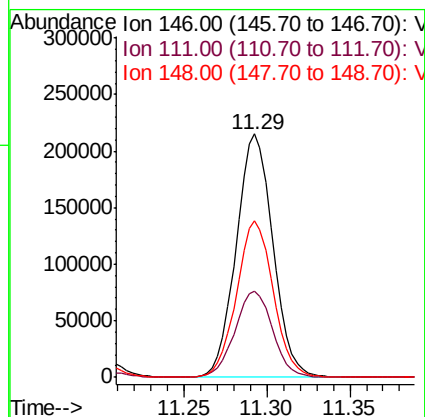
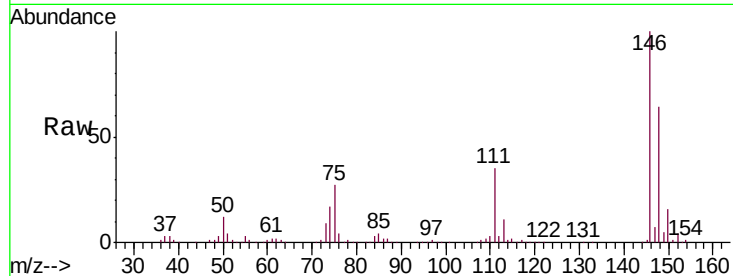




#63
 1,4-Dichlorobenzene
 Concen: 64.019 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV015028.D
 Acq: 18 Mar 2020 21:12

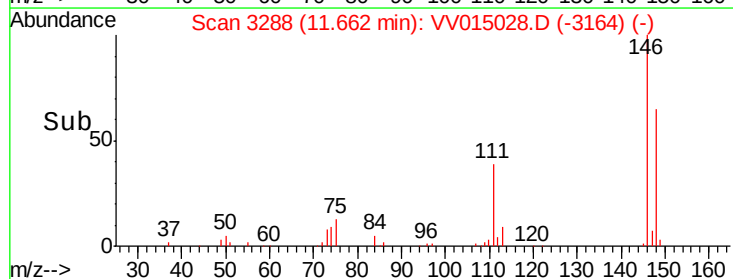
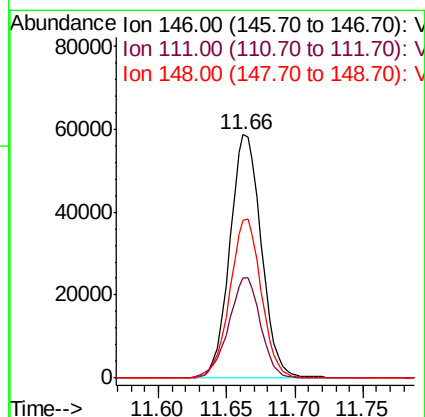
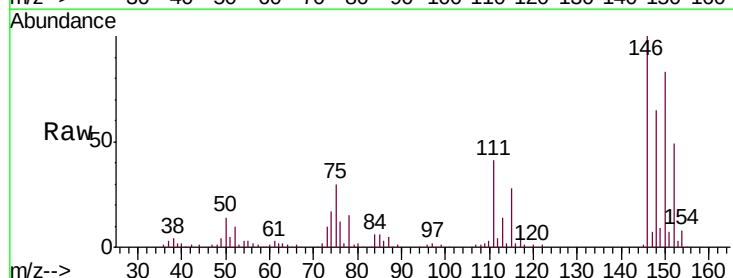
Instrument :
 MSVOA_V
 ClientSampleId :
 C0DB5DL

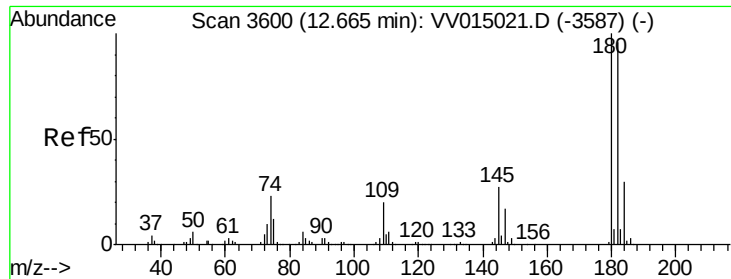
Tgt Ion:146 Resp: 330427
 Ion Ratio Lower Upper
 146 100
 111 35.5 25.8 48.0
 148 64.3 45.7 84.9



#65
 1,2-Dichlorobenzene
 Concen: 17.854 ug/L
 RT: 11.66 min Scan# 3288
 Delta R.T. 0.00 min
 Lab File: VV015028.D
 Acq: 18 Mar 2020 21:12

Tgt Ion:146 Resp: 94030
 Ion Ratio Lower Upper
 146 100
 111 41.1 31.5 47.3
 148 65.0 51.7 77.5

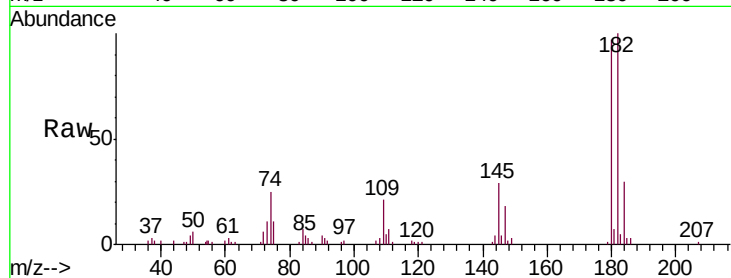




#67
 1,3,5-Trichlorobenzene
 Concen: 6.033 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.62 min
 Lab File: VV015028.D
 Acq: 18 Mar 2020 21:12

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DB5DL

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.7	75.2	112.8
184	30.9	23.9	35.9
145	29.8	22.0	33.0



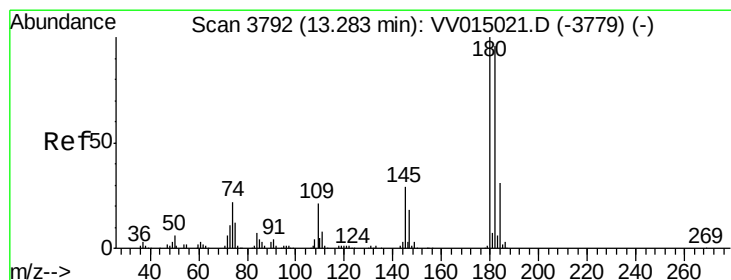
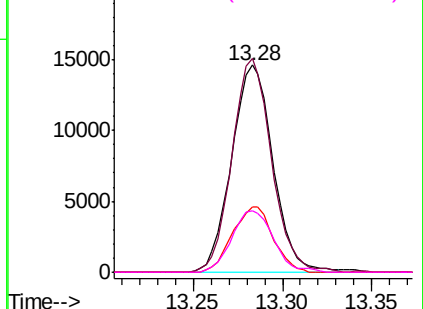
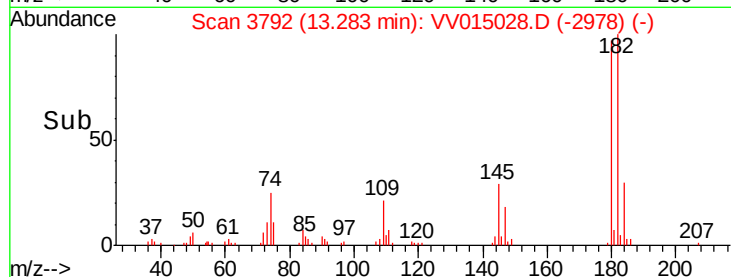
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

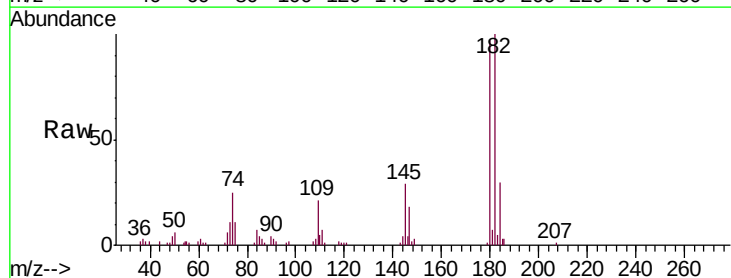
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 6.551 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV015028.D
 Acq: 18 Mar 2020 21:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.7	76.3	114.5
145	29.8	22.2	33.4

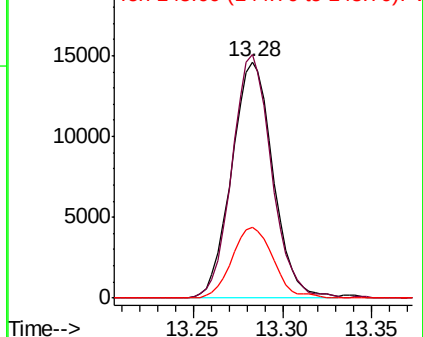
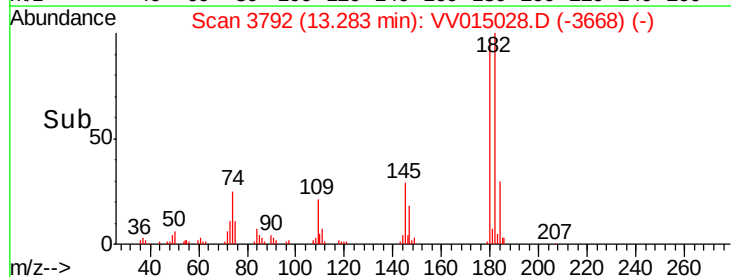


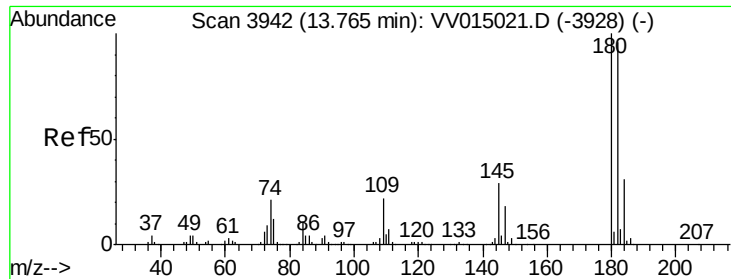
Abundance

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: 1.345 ug/L
 RT: 13.77 min Scan# 3942
 Delta R.T. 0.00 min
 Lab File: VV015028.D
 Acq: 18 Mar 2020 21:12

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DB5DL

Tgt Ion	Resp	Lower	Upper
180	4775		
182	98.3	75.5	113.3
145	30.7	23.5	35.3

