

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090723\
 Data File : VU055216.D
 Acq On : 08 Sep 2023 03:44
 Operator : MD/SY
 Sample : 04307-13
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4J9

Quant Time: Sep 08 06:40:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 08 06:18:43 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

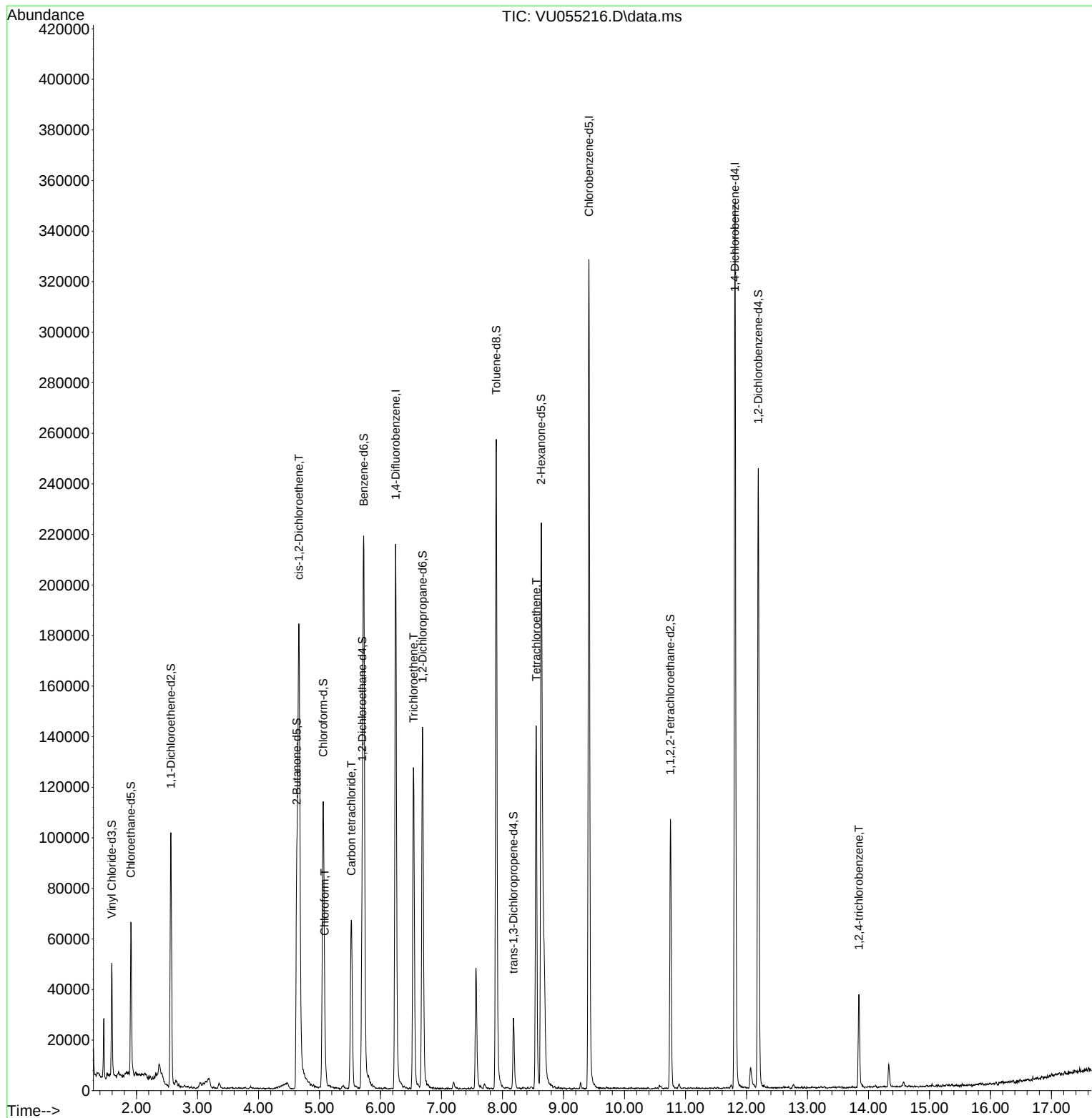
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	169054	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.418	117	176594	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	86922	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	31033	3.917	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	78.400%	
7) Chloroethane-d5	1.907	69	41693	4.546	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	91.000%	
11) 1,1-Dichloroethene-d2	2.563	65	19641	4.351	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	87.000%	
20) 2-Butanone-d5	4.627	46	142205	61.848	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	123.700%	
24) Chloroform-d	5.062	84	106210	5.052	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	101.000%	
26) 1,2-Dichloroethane-d4	5.701	65	55430	5.270	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	105.400%	
32) Benzene-d6	5.727	84	200220	4.593	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	91.800%	
36) 1,2-Dichloropropane-d6	6.689	67	69004	4.977	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	99.600%	
41) Toluene-d8	7.897	98	173077	4.310	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	86.200%	
43) trans-1,3-Dichloroprop...	8.180	79	15887	4.161	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	83.200%	
46) 2-Hexanone-d5	8.634	63	70895	45.737	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	91.480%	
56) 1,1,2,2-Tetrachloroeth...	10.753	84	51744	5.307	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	106.200%	
66) 1,2-Dichlorobenzene-d4	12.193	152	62981	4.964	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	99.200%	
Target Compounds						
					Qvalue	
22) cis-1,2-Dichloroethene	4.663	96	79935	8.235	ug/L	96
25) Chloroform	5.084	83	7964	0.446	ug/L	96
31) Carbon tetrachloride	5.521	117	44402	3.496	ug/L	98
34) Trichloroethene	6.541	95	43061	4.122	ug/L	94
47) Tetrachloroethene	8.553	164	29864	4.137	ug/L	93
70) 1,2,4-trichlorobenzene	13.843	180	10580	0.767	ug/L	95

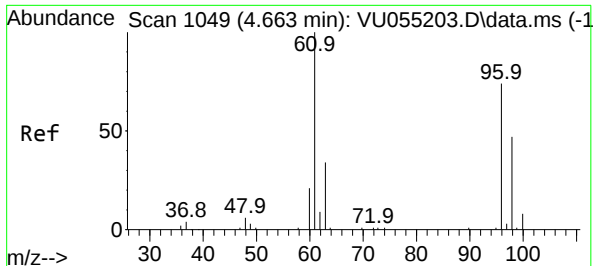
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#22

cis-1,2-Dichloroethene

Concen: 8.235 ug/L

RT: 4.663 min Scan# 110

Delta R.T. -0.000 min

Lab File: VU055216.D

Acq: 08 Sep 2023 03:44

Instrument :

MSVOA_U

ClientSampleId :

BH4J9

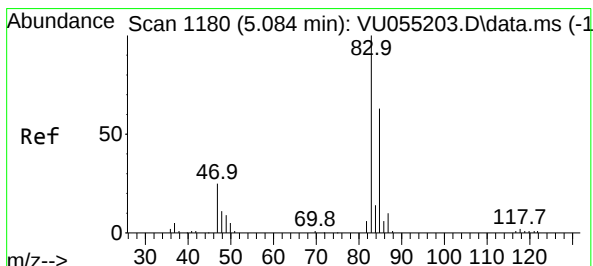
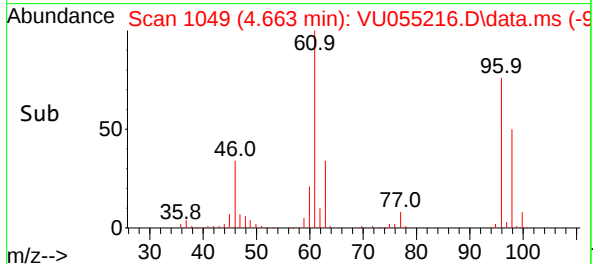
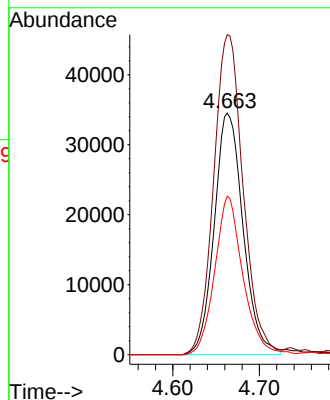
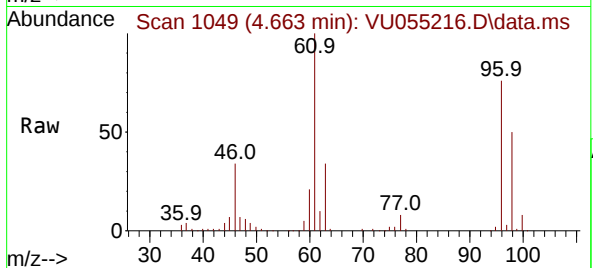
Tgt Ion: 96 Resp: 79935

Ion Ratio Lower Upper

96 100

61 132.4 97.2 180.4

98 65.6 46.1 85.7



#25

Chloroform

Concen: 0.446 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VU055216.D

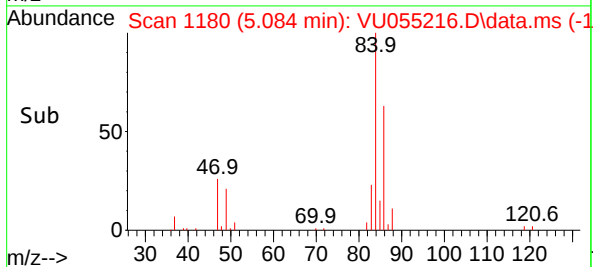
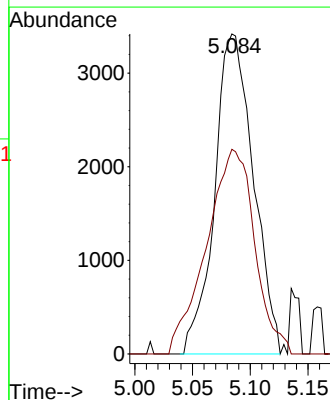
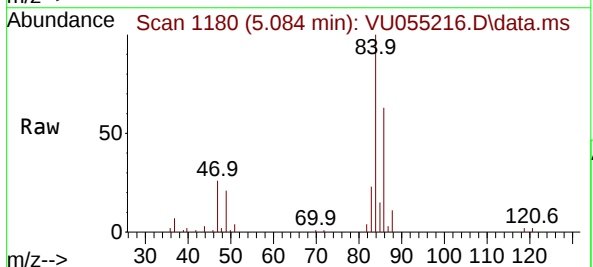
Acq: 08 Sep 2023 03:44

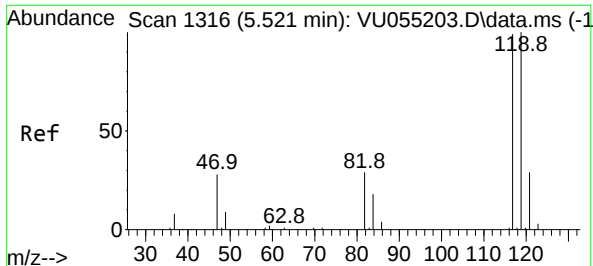
Tgt Ion: 83 Resp: 7964

Ion Ratio Lower Upper

83 100

85 63.9 47.2 87.6

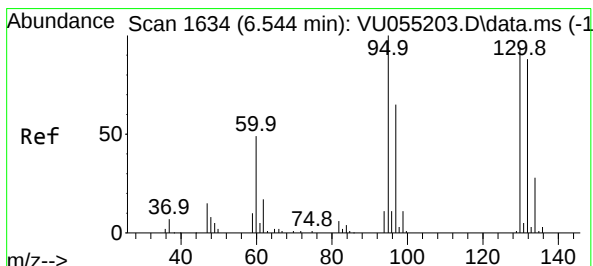
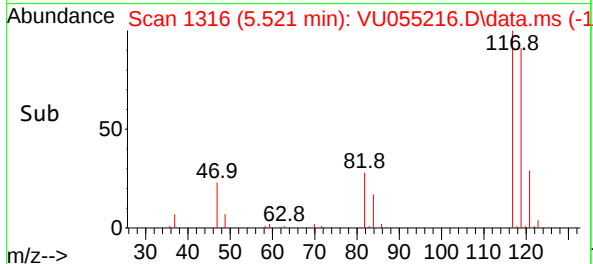
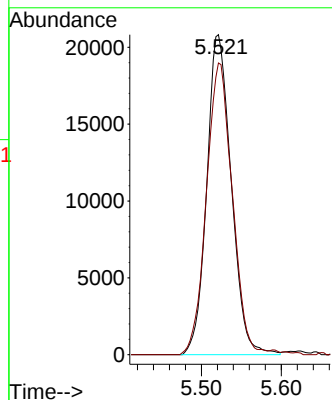
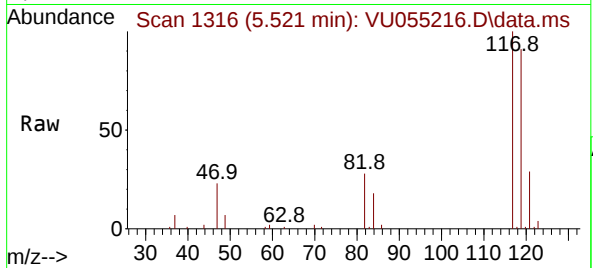




#31
Carbon tetrachloride
Concen: 3.496 ug/L
RT: 5.521 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU055216.D
Acq: 08 Sep 2023 03:44

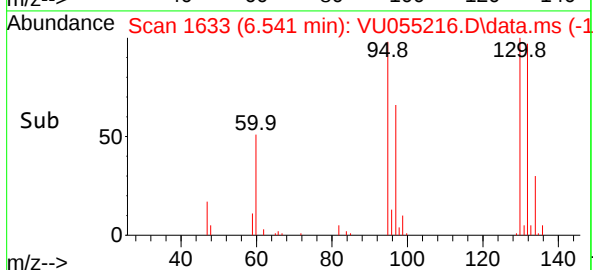
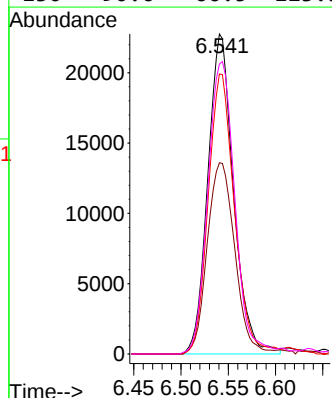
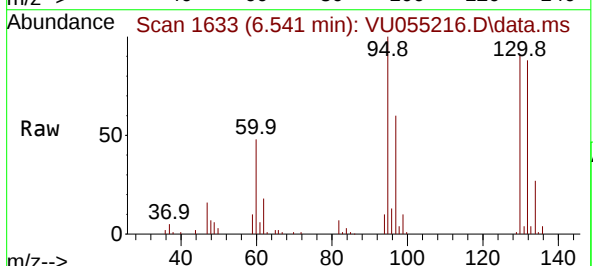
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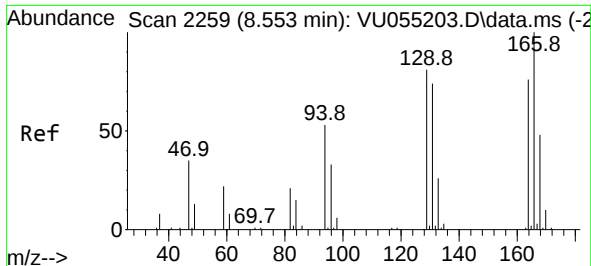
Tgt Ion:117 Resp: 44402
Ion Ratio Lower Upper
117 100
119 96.2 75.4 113.0



#34
Trichloroethene
Concen: 4.122 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. -0.003 min
Lab File: VU055216.D
Acq: 08 Sep 2023 03:44

Tgt Ion: 95 Resp: 43061
Ion Ratio Lower Upper
95 100
97 59.7 44.7 83.1
132 87.5 66.6 123.6
130 90.6 66.5 123.5





#47

Tetrachloroethene

Concen: 4.137 ug/L

RT: 8.553 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU055216.D

Acq: 08 Sep 2023 03:44

Instrument :

MSVOA_U

ClientSampleId :

BH4J9

Tgt Ion:164 Resp: 29864

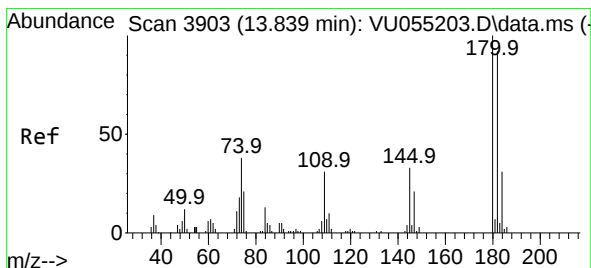
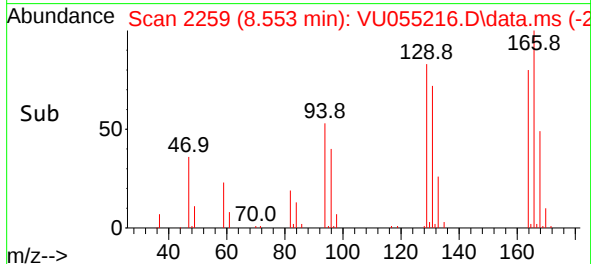
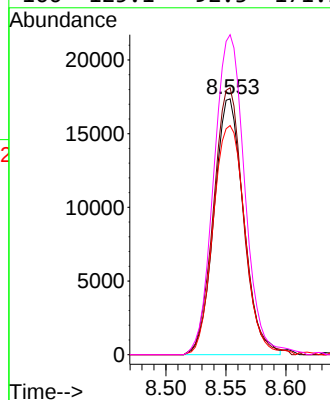
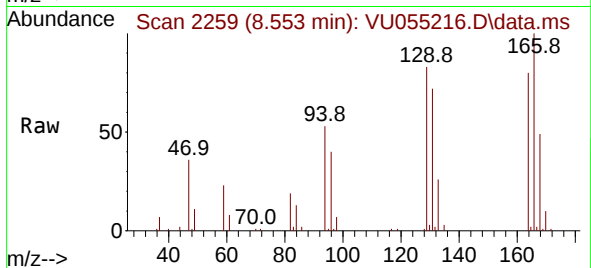
Ion Ratio Lower Upper

164 100

129 104.4 69.2 128.6

131 89.6 68.8 127.8

166 125.1 92.3 171.5



#70

1,2,4-trichlorobenzene

Concen: 0.767 ug/L

RT: 13.843 min Scan# 3904

Delta R.T. 0.003 min

Lab File: VU055216.D

Acq: 08 Sep 2023 03:44

Tgt Ion:180 Resp: 10580

Ion Ratio Lower Upper

180 100

182 98.4 73.6 110.4

145 33.3 25.8 38.8

