

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100421\
 Data File : VU045103.D
 Acq On : 04 Oct 2021 17:54
 Operator : SY/MD
 Sample : M3996-11
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F4A54

Quant Time: Oct 05 02:47:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 05 02:41:56 2021
 Response via : Initial Calibration

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

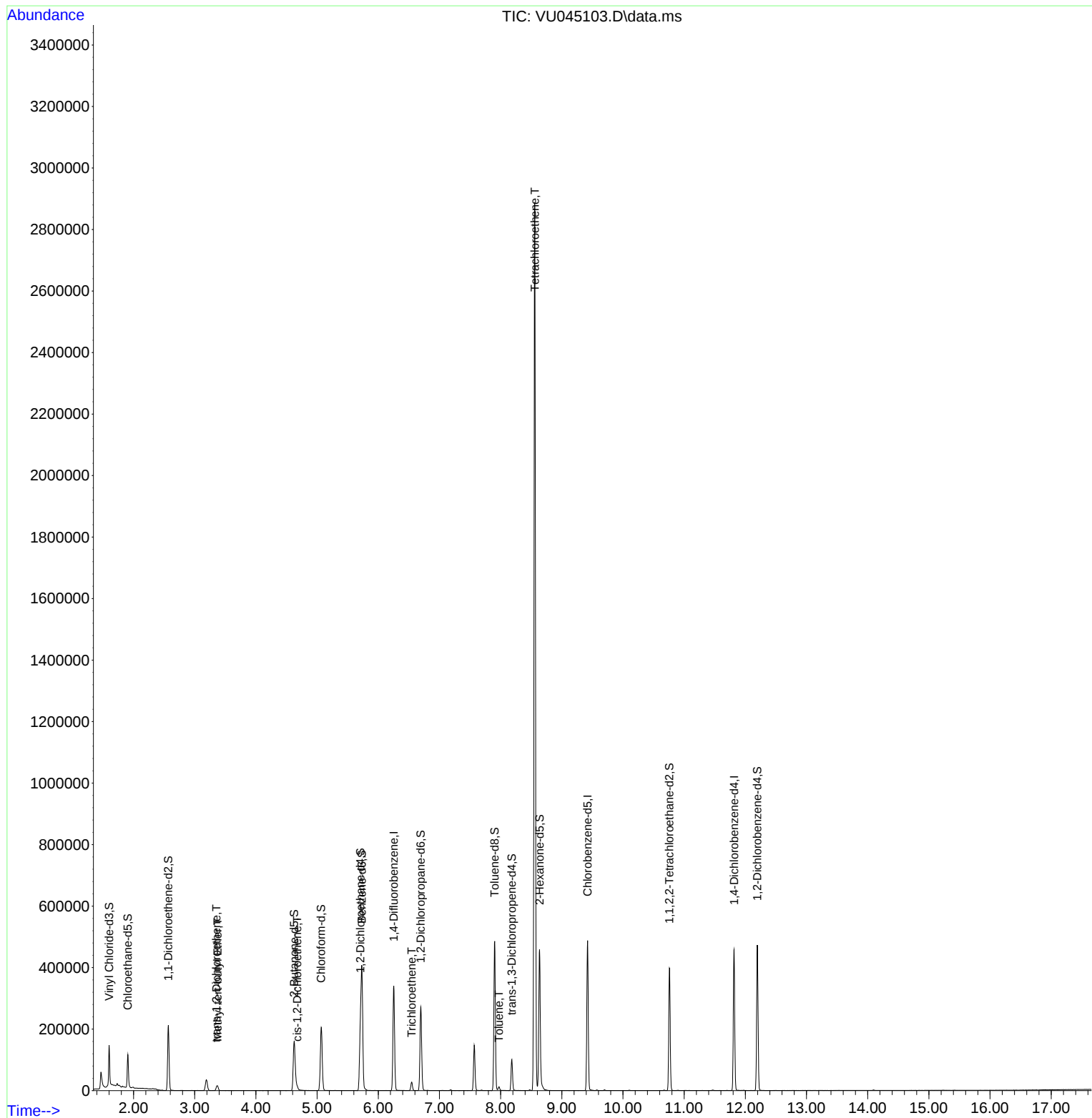
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	262034	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.421	117	248039	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	112431	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	87489	30.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	61.00%
7) Chloroethane-d5	1.906	69	81707	35.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	71.90%
11) 1,1-Dichloroethene-d2	2.569	63	125256	26.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	52.00%#
21) 2-Butanone-d5	4.623	46	219257	96.68	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.68%
24) Chloroform-d	5.067	84	186532	41.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.34%
26) 1,2-Dichloroethane-d4	5.707	65	131361	42.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.62%
32) Benzene-d6	5.733	84	360155	41.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.70%
36) 1,2-Dichloropropane-d6	6.694	67	123014	43.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.66%
41) Toluene-d8	7.903	98	306916	41.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.64%
43) trans-1,3-Dichloroprop...	8.183	79	53475	42.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.68%
47) 2-Hexanone-d5	8.636	63	160128	102.96	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.96%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	196544	44.97	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.94%
66) 1,2-Dichlorobenzene-d4	12.195	152	115466	47.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.38%
Target Compounds						
17) trans-1,2-Dichloroethene	3.356	96	1697	0.79	ug/L	89
18) Methyl tert-butyl Ether	3.373	73	14575	2.07	ug/L #	90
20) cis-1,2-Dichloroethene	4.675	96	4308	1.83	ug/L	89
34) Trichloroethene	6.546	95	8934	4.04	ug/L	98
42) Toluene	7.974	91	8202	0.88	ug/L	98
46) Tetrachloroethene	8.559	164	601737	380.99	ug/L	98

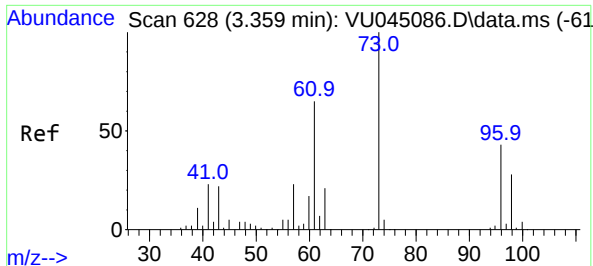
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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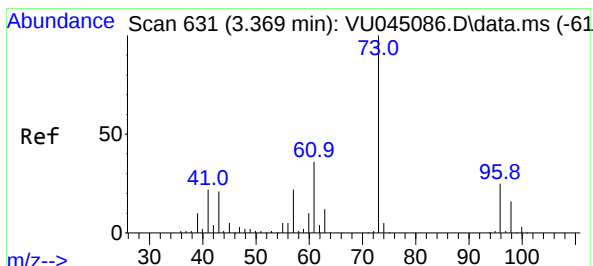
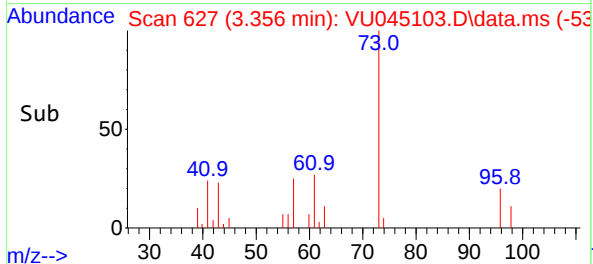
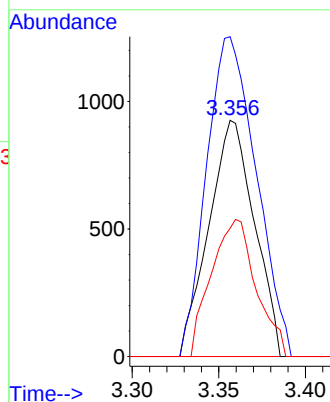
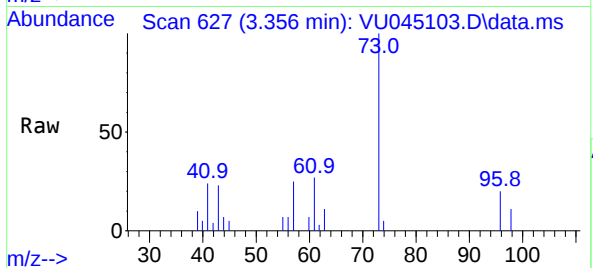




#17
trans-1,2-Dichloroethene
Concen: 0.79 ug/L
RT: 3.356 min Scan# 627
Delta R.T. -0.003 min
Lab File: VU045103.D
Acq: 04 Oct 2021 17:54

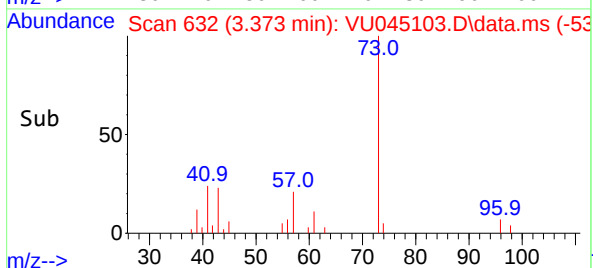
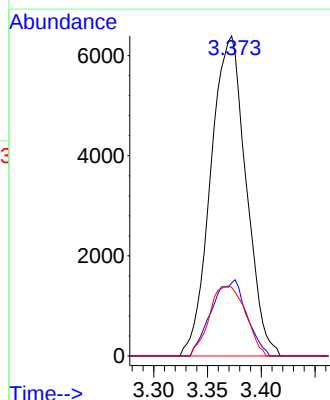
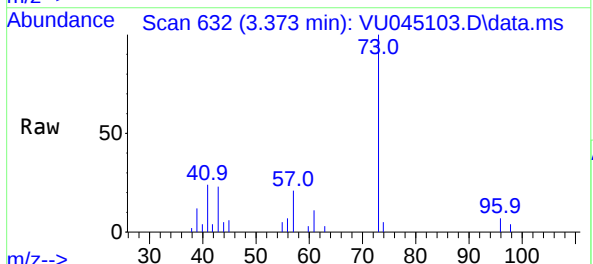
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MSVOA_U
ClientSampleId :
F4A54

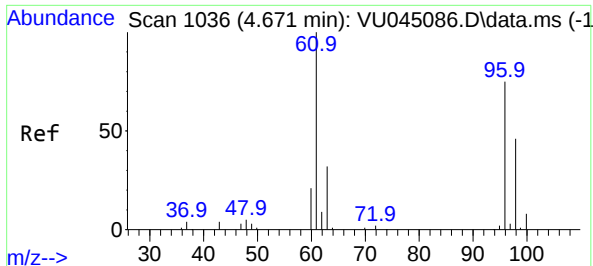
Tgt Ion: 96 Resp: 1697
Ion Ratio Lower Upper
96 100
61 135.4 105.1 195.3
98 54.3 43.0 79.8



#18
Methyl tert-butyl Ether
Concen: 2.07 ug/L
RT: 3.373 min Scan# 632
Delta R.T. 0.004 min
Lab File: VU045103.D
Acq: 04 Oct 2021 17:54

Tgt Ion: 73 Resp: 14575
Ion Ratio Lower Upper
73 100
43 12.5 17.3 25.9#
57 22.4 18.7 28.1

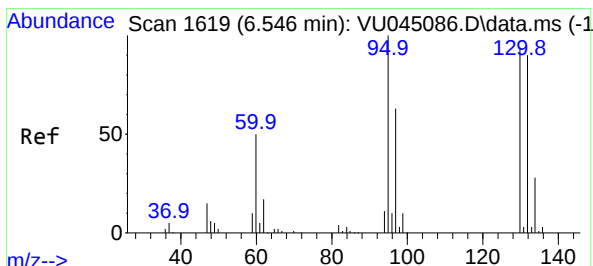
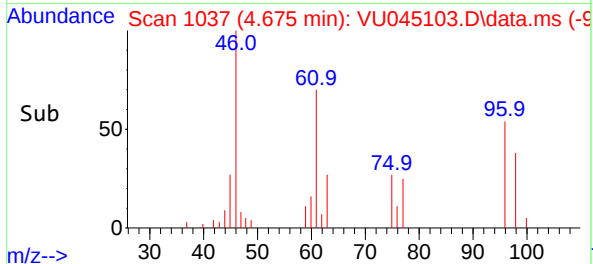
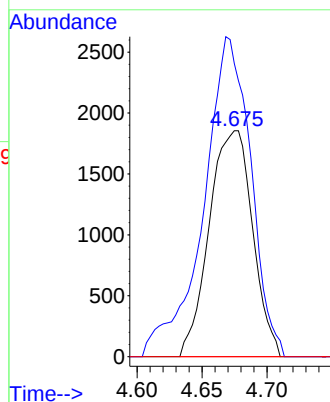
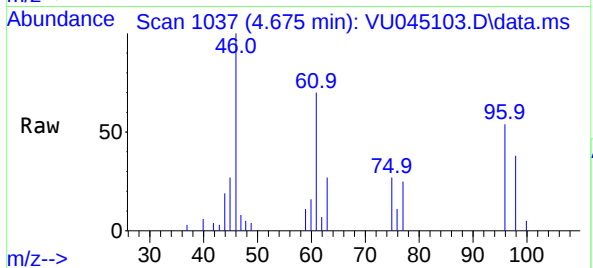




#20
cis-1,2-Dichloroethene
Concen: 1.83 ug/L
RT: 4.675 min Scan# 1037
Delta R.T. 0.004 min
Lab File: VU045103.D
Acq: 04 Oct 2021 17:54

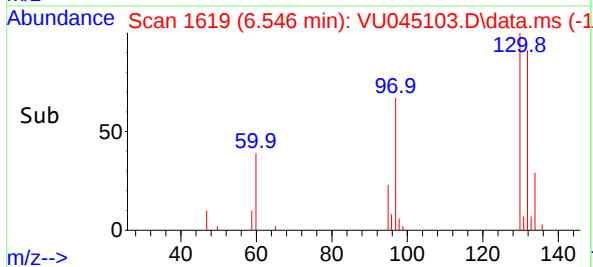
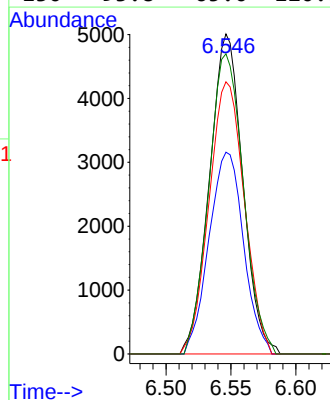
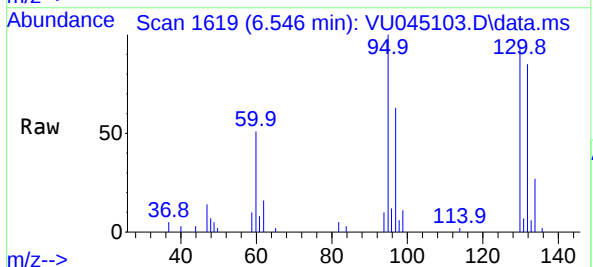
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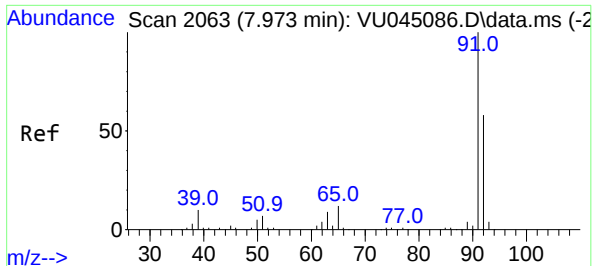
Tgt Ion: 96 Resp: 4308
Ion Ratio Lower Upper
96 100
61 129.8 100.2 186.0
68 0.0 0.0 0.0



#34
Trichloroethene
Concen: 4.04 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU045103.D
Acq: 04 Oct 2021 17:54

Tgt Ion: 95 Resp: 8934
Ion Ratio Lower Upper
95 100
97 63.1 44.4 82.4
132 85.0 62.9 116.9
130 93.8 65.0 120.8

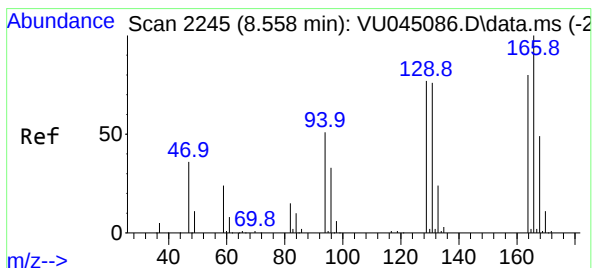
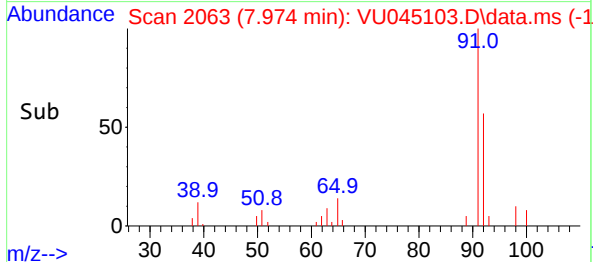
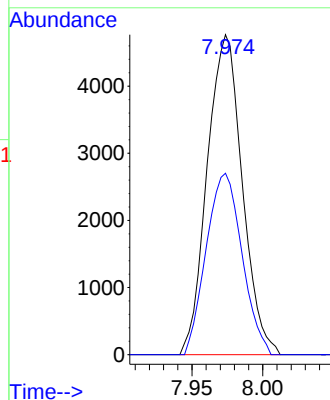
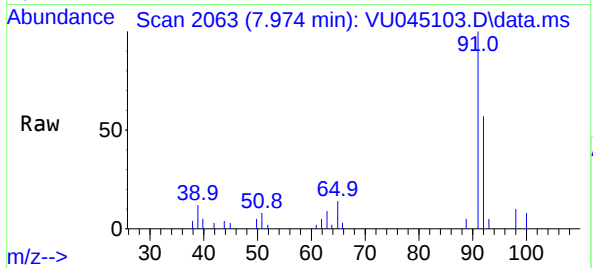




#42
Toluene
Concen: 0.88 ug/L
RT: 7.974 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VU045103.D
Acq: 04 Oct 2021 17:54

Instrument :
MSVOA_U
ClientSampled :
F4A54

Tgt Ion: 91 Resp: 8202
Ion Ratio Lower Upper
91 100
92 56.7 40.5 75.1



#46
Tetrachloroethene
Concen: 380.99 ug/L
RT: 8.559 min Scan# 2245
Delta R.T. 0.000 min
Lab File: VU045103.D
Acq: 04 Oct 2021 17:54

Tgt Ion: 164 Resp: 601737
Ion Ratio Lower Upper
164 100
129 98.5 69.8 129.6
131 93.9 66.4 123.2
166 127.5 91.1 169.3

