

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121422\
 Data File : VU052404.D
 Acq On : 14 Dec 2022 16:44
 Operator : JC/MD
 Sample : N6034-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BGPk0

Quant Time: Dec 14 21:40:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 14 21:38:14 2022
 Response via : Initial Calibration

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

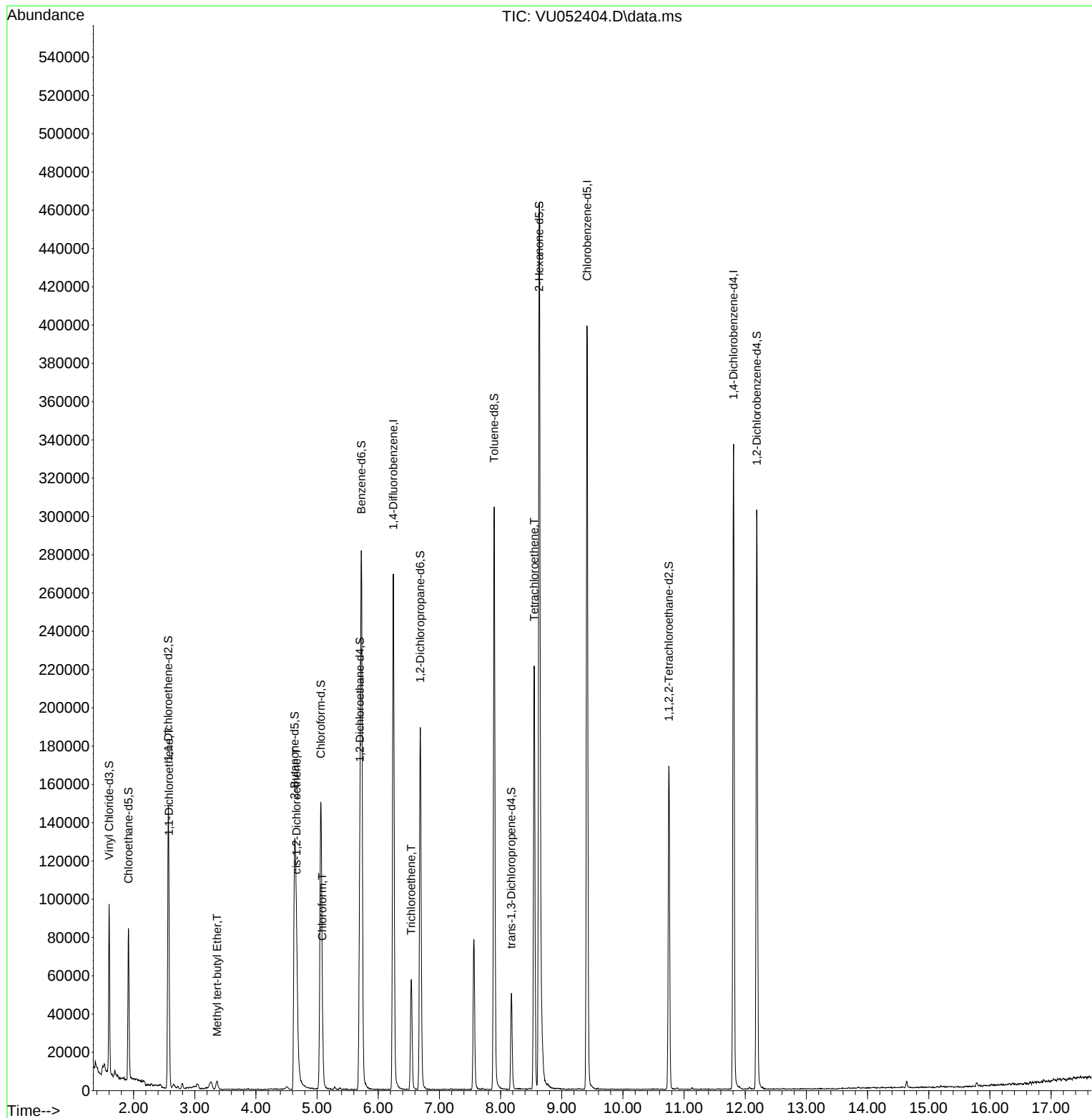
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	224343	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	231615	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	95180	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	64709	2.965	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	59.400%
7) Chloroethane-d5	1.916	69	61591	3.634	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.600%
11) 1,1-Dichloroethene-d2	2.568	65	28404	3.631	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.600%
20) 2-Butanone-d5	4.632	46	225196	56.932	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.860%
24) Chloroform-d	5.060	84	145884	4.550	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.000%
26) 1,2-Dichloroethane-d4	5.700	65	76836	4.744	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.800%
32) Benzene-d6	5.726	84	278156	4.045	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.000%
36) 1,2-Dichloropropane-d6	6.687	67	96757	4.547	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.000%
41) Toluene-d8	7.896	98	213125	3.426	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.600%#
43) trans-1,3-Dichloroprop...	8.176	79	29512	3.806	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.200%
46) 2-Hexanone-d5	8.632	63	156794	47.711	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.420%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	88559	4.800	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.000%
66) 1,2-Dichlorobenzene-d4	12.188	152	84387	4.631	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.600%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.578	96	4390	0.270	ug/L #	1
17) Methyl tert-butyl Ether	3.366	73	4809	0.132	ug/L #	94
22) cis-1,2-Dichloroethene	4.665	96	20571	1.124	ug/L	97
25) Chloroform	5.086	83	17872	0.561	ug/L	97
34) Trichloroethene	6.539	95	20512	1.091	ug/L	98
47) Tetrachloroethene	8.549	164	51682	3.587	ug/L	99

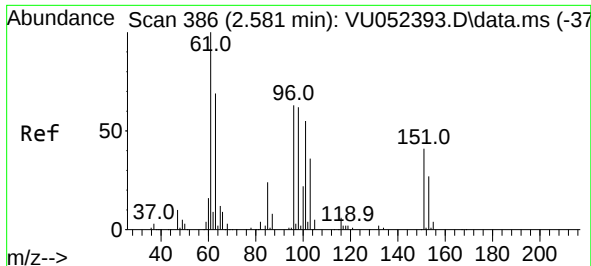
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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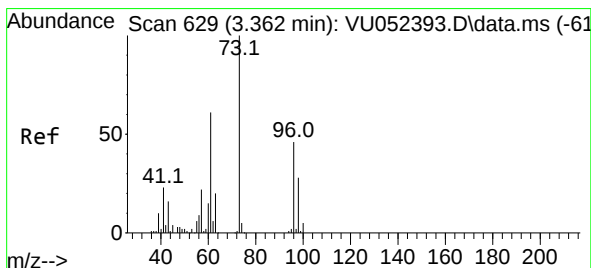
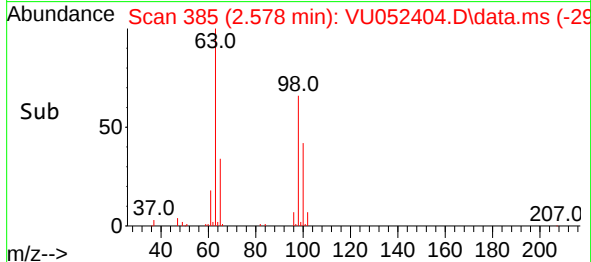
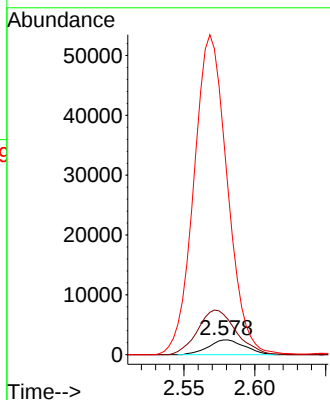
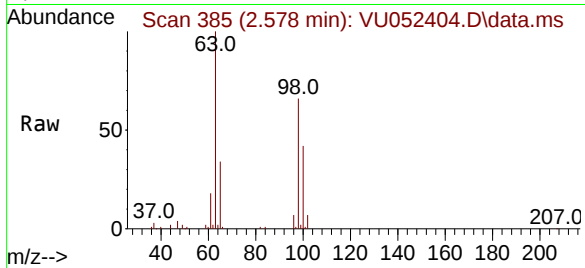




#12
 1,1-Dichloroethene
 Concen: 0.270 ug/L
 RT: 2.578 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU052404.D
 Acq: 14 Dec 2022 16:44

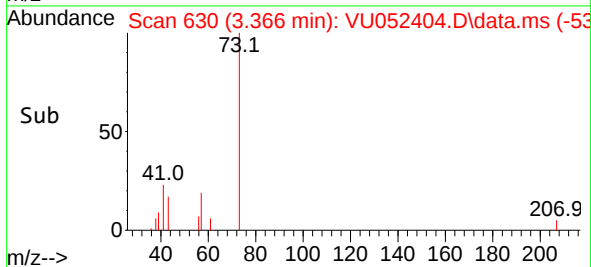
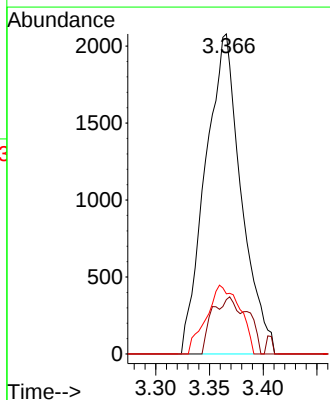
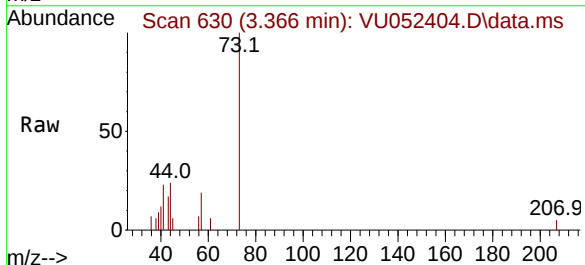
Instrument :
 MSVOA_U
 ClientSampleId :
 BGPk0

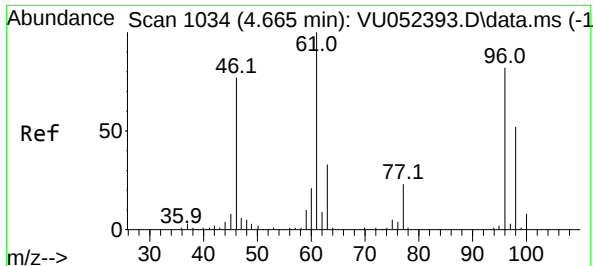
Tgt Ion: 96 Resp: 4390
 Ion Ratio Lower Upper
 96 100
 61 273.2 114.8 213.2#
 63 1478.6 93.7 174.1#



#17
 Methyl tert-butyl Ether
 Concen: 0.132 ug/L
 RT: 3.366 min Scan# 630
 Delta R.T. 0.003 min
 Lab File: VU052404.D
 Acq: 14 Dec 2022 16:44

Tgt Ion: 73 Resp: 4809
 Ion Ratio Lower Upper
 73 100
 43 12.8 13.2 19.8#
 57 20.1 17.8 26.8





#22

cis-1,2-Dichloroethene

Concen: 1.124 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.000 min

Lab File: VU052404.D

Acq: 14 Dec 2022 16:44

Instrument :

MSVOA_U

ClientSampleId :

BGPK0

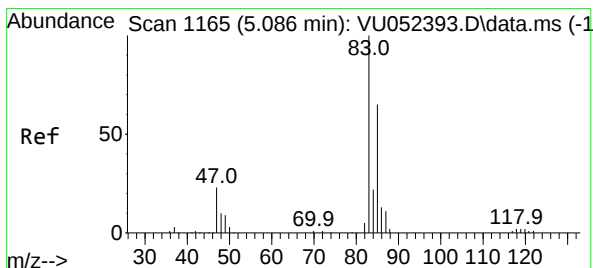
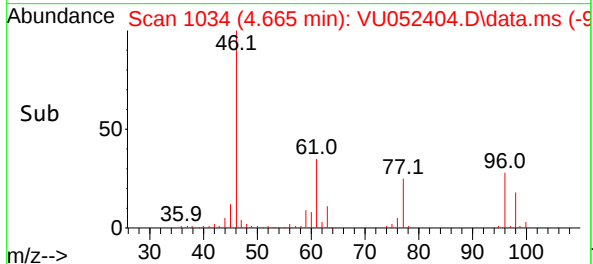
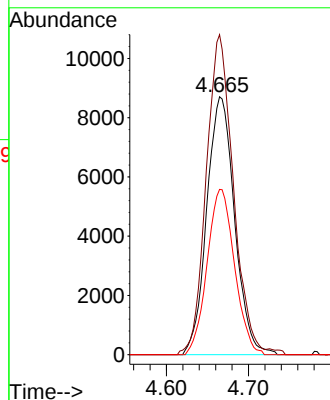
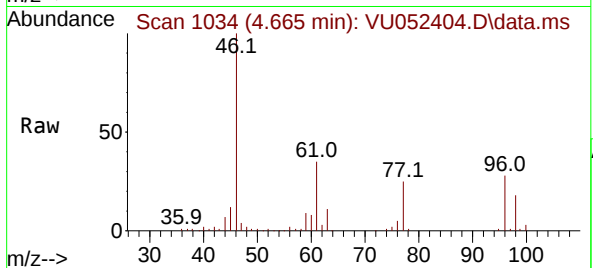
Tgt Ion: 96 Resp: 20571

Ion Ratio Lower Upper

96 100

61 124.1 85.1 158.1

98 64.1 42.8 79.6



#25

Chloroform

Concen: 0.561 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU052404.D

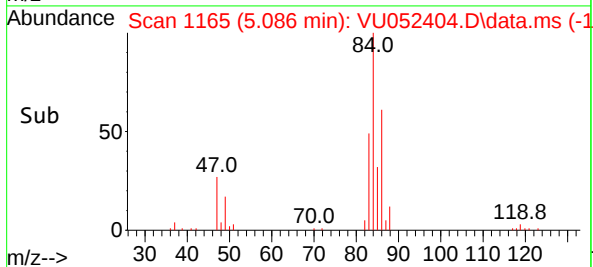
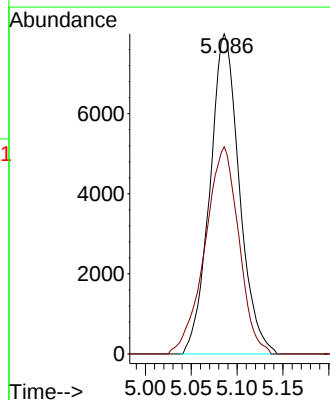
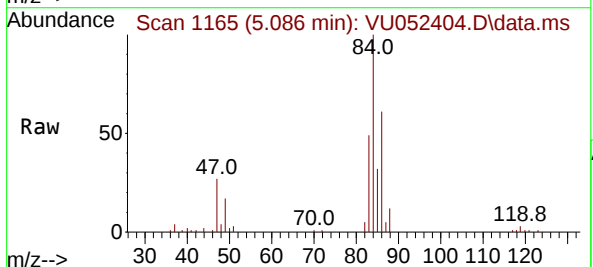
Acq: 14 Dec 2022 16:44

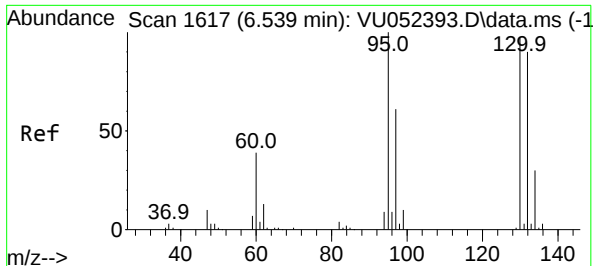
Tgt Ion: 83 Resp: 17872

Ion Ratio Lower Upper

83 100

85 64.7 43.8 81.4

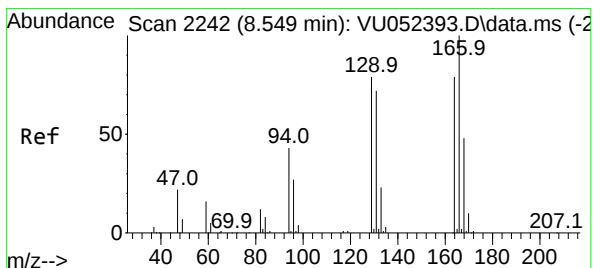
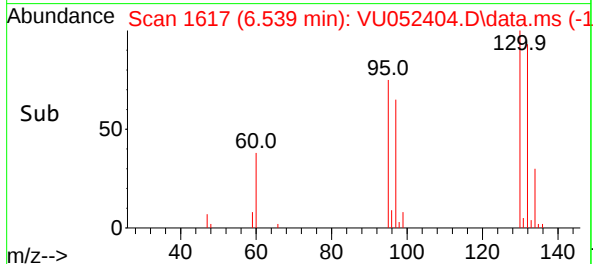
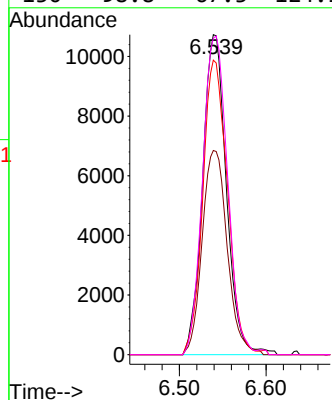
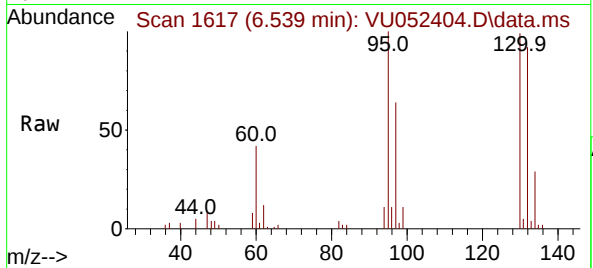




#34
Trichloroethene
Concen: 1.091 ug/L
RT: 6.539 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU052404.D
Acq: 14 Dec 2022 16:44

Instrument :
MSVOA_U
ClientSampleId :
BGPk0

Tgt Ion: 95 Resp: 20512
Ion Ratio Lower Upper
95 100
97 63.8 43.7 81.1
132 92.0 64.3 119.3
130 98.8 67.3 124.9



#47
Tetrachloroethene
Concen: 3.587 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU052404.D
Acq: 14 Dec 2022 16:44

Tgt Ion:164 Resp: 51682
Ion Ratio Lower Upper
164 100
129 96.0 67.4 125.2
131 94.3 67.1 124.7
166 129.7 89.7 166.5

