

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121623\
 Data File : VU056924.D
 Acq On : 16 Dec 2023 14:02
 Operator : MD/SY
 Sample : 05810-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F7C31

Quant Time: Dec 16 23:46:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 15 01:53:53 2023
 Response via : Initial Calibration

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

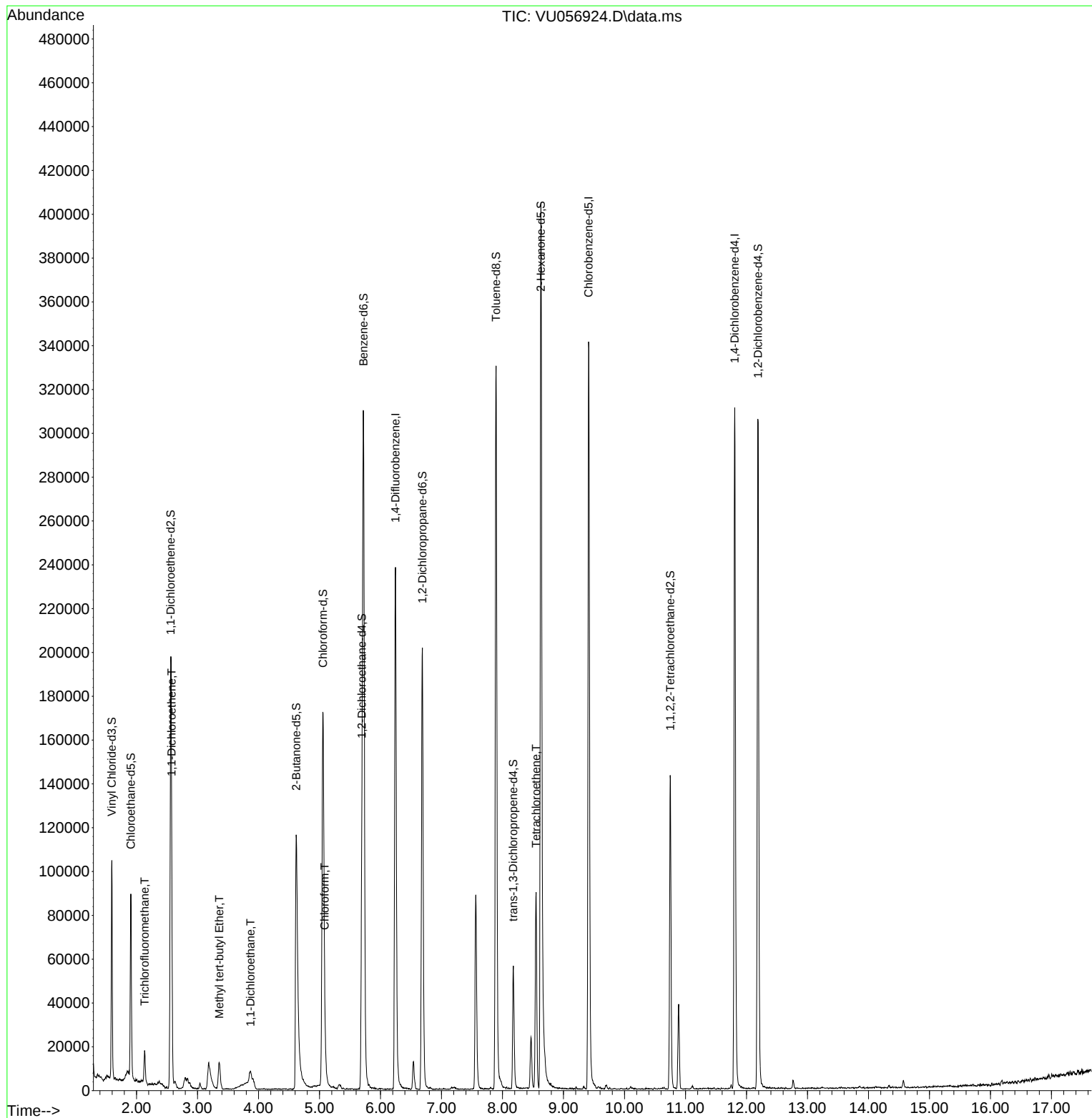
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	194761	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	198578	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	84807	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	70442	4.220	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	84.400%	
7) Chloroethane-d5	1.907	69	62226	4.981	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	99.600%	
11) 1,1-Dichloroethene-d2	2.560	65	32351	4.529	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	90.600%	
20) 2-Butanone-d5	4.618	46	179923	54.574	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	109.140%	
24) Chloroform-d	5.055	84	160407	5.074	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	101.400%	
26) 1,2-Dichloroethane-d4	5.695	65	79979	5.346	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	107.000%	
32) Benzene-d6	5.721	84	297881	4.836	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	96.800%	
36) 1,2-Dichloropropane-d6	6.685	67	98004	5.084	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	101.600%	
41) Toluene-d8	7.894	98	230578	4.188	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	83.800%	
43) trans-1,3-Dichloroprop...	8.177	79	33786	4.519	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	90.400%	
46) 2-Hexanone-d5	8.631	63	137321	48.700	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	97.400%	
56) 1,1,2,2-Tetrachloroeth...	10.749	84	72085	5.168	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	103.400%	
66) 1,2-Dichlorobenzene-d4	12.190	152	83525	5.010	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	100.200%	
Target Compounds						Qvalue
9) Trichlorofluoromethane	2.132	101	9342	0.333	ug/L	100
12) 1,1-Dichloroethene	2.576	96	19858	1.256	ug/L #	43
17) Methyl tert-butyl Ether	3.357	73	12664	0.361	ug/L #	86
19) 1,1-Dichloroethane	3.869	63	5974	0.194	ug/L #	89
25) Chloroform	5.084	83	17323	0.536	ug/L	91
47) Tetrachloroethene	8.550	164	19209	1.434	ug/L	96

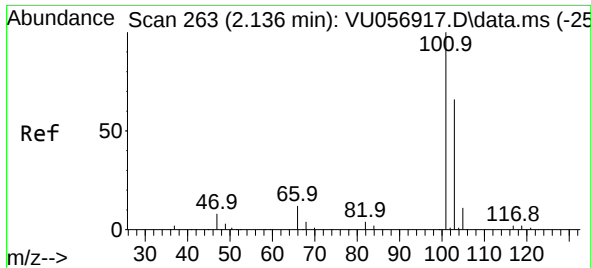
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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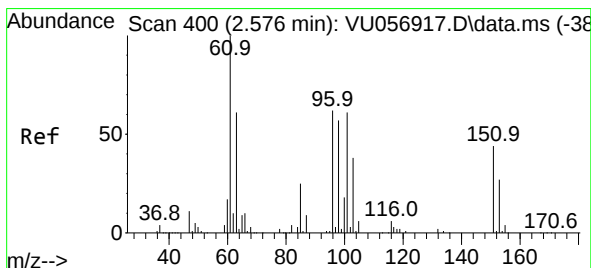
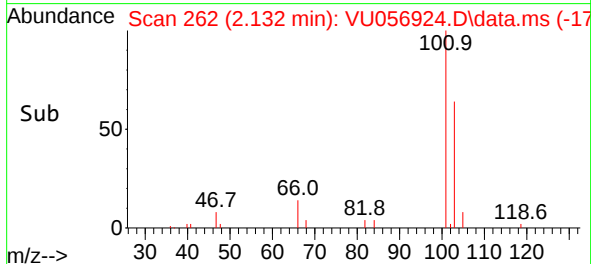
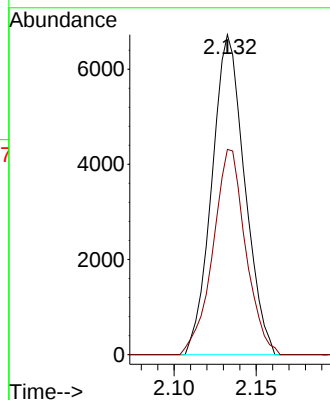
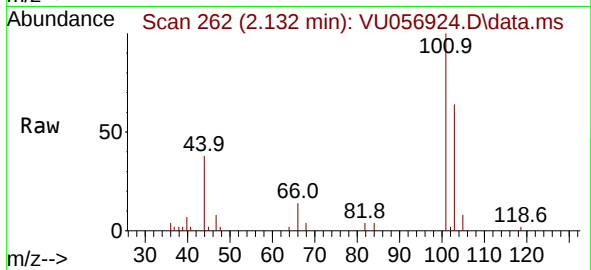




#9
 Trichlorofluoromethane
 Concen: 0.333 ug/L
 RT: 2.132 min Scan# 20
 Delta R.T. -0.003 min
 Lab File: VU056924.D
 Acq: 16 Dec 2023 14:02

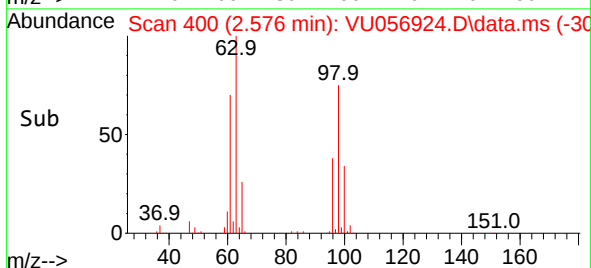
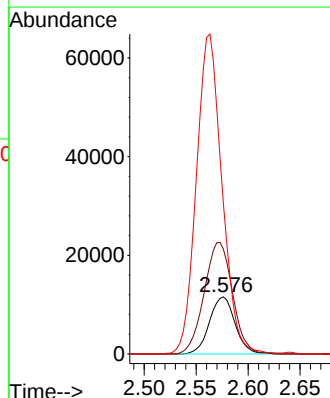
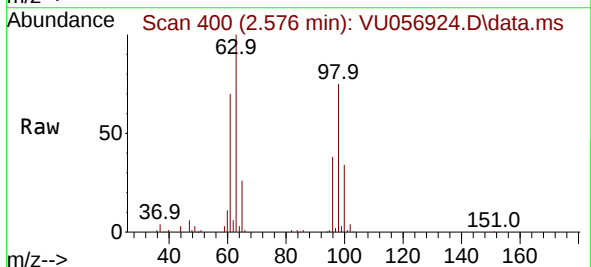
Instrument :
 MSVOA_U
 ClientSampleId :
 F7C31

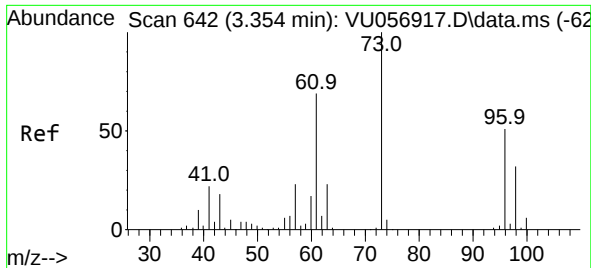
Tgt Ion:101 Resp: 9342
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.4 77.2



#12
 1,1-Dichloroethene
 Concen: 1.256 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU056924.D
 Acq: 16 Dec 2023 14:02

Tgt Ion: 96 Resp: 19858
 Ion Ratio Lower Upper
 96 100
 61 183.7 119.0 221.0
 63 263.5 88.7 164.7#

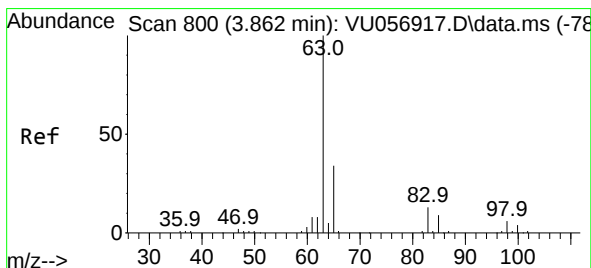
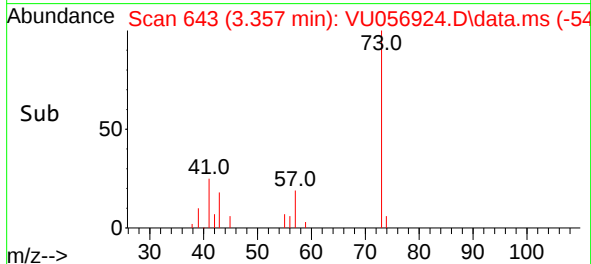
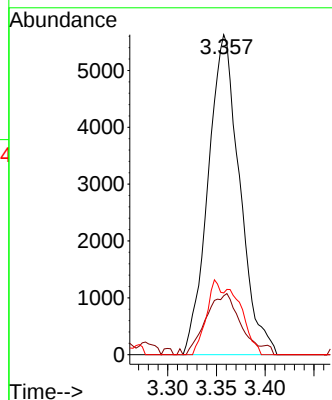
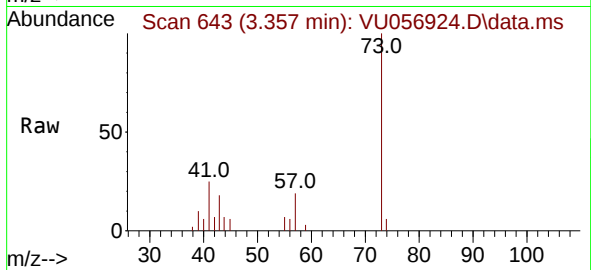




#17
Methyl tert-butyl Ether
Concen: 0.361 ug/L
RT: 3.357 min Scan# 642
Delta R.T. 0.003 min
Lab File: VU056924.D
Acq: 16 Dec 2023 14:02

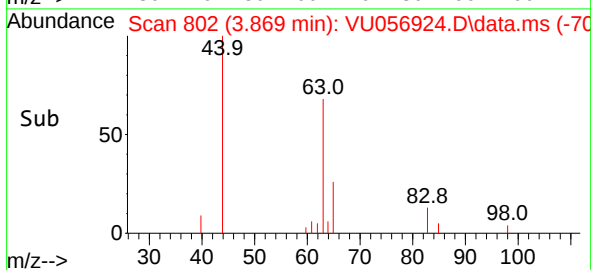
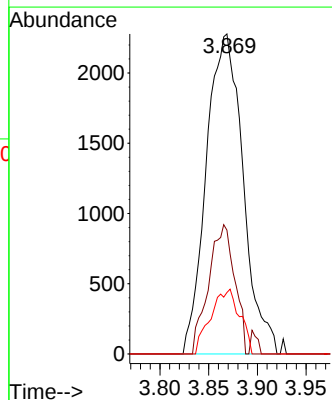
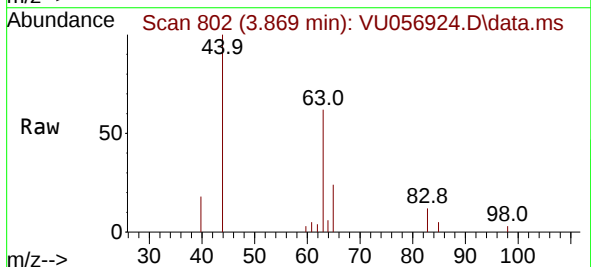
Instrument :
MSVOA_U
ClientSampleId :
F7C31

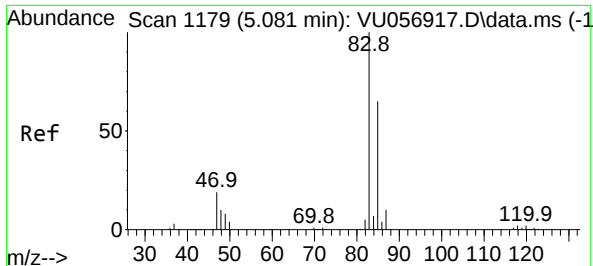
Tgt Ion: 73 Resp: 12664
Ion Ratio Lower Upper
73 100
43 20.7 14.4 21.6
57 12.3 17.8 26.8#



#19
1,1-Dichloroethane
Concen: 0.194 ug/L
RT: 3.869 min Scan# 802
Delta R.T. 0.006 min
Lab File: VU056924.D
Acq: 16 Dec 2023 14:02

Tgt Ion: 63 Resp: 5974
Ion Ratio Lower Upper
63 100
65 38.7 22.9 42.5
83 19.2 10.1 18.9#





#25

Chloroform

Concen: 0.536 ug/L

RT: 5.084 min Scan# 1179

Delta R.T. 0.003 min

Lab File: VU056924.D

Acq: 16 Dec 2023 14:02

Instrument :

MSVOA_U

ClientSampleId :

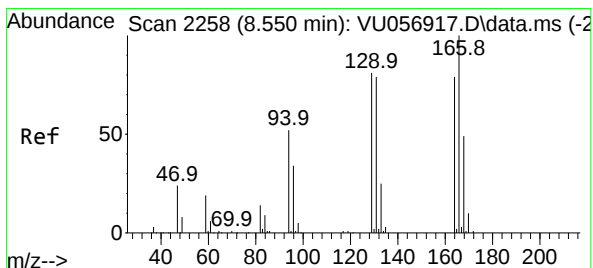
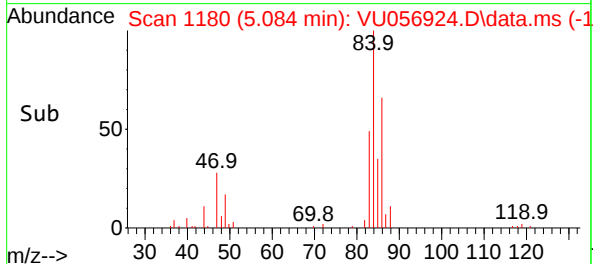
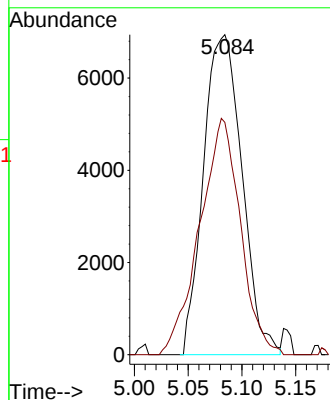
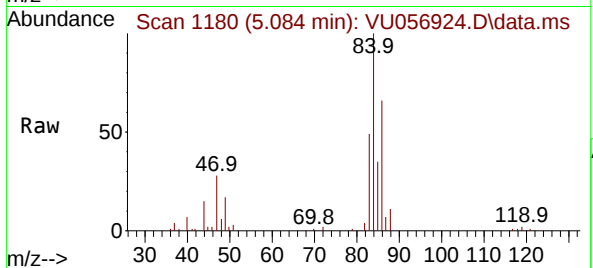
F7C31

Tgt Ion: 83 Resp: 17323

Ion Ratio Lower Upper

83 100

85 72.6 45.8 85.0



#47

Tetrachloroethene

Concen: 1.434 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. -0.000 min

Lab File: VU056924.D

Acq: 16 Dec 2023 14:02

Tgt Ion:164 Resp: 19209

Ion Ratio Lower Upper

164 100

129 104.7 73.4 136.4

131 107.6 71.5 132.9

166 125.3 92.7 172.1

