

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071824\
 Data File : VU060030.D
 Acq On : 18 Jul 2024 20:23
 Operator : MD/SY
 Sample : P3217-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YDZH5

Quant Time: Jul 19 01:38:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jul 19 01:30:22 2024
 Response via : Initial Calibration

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

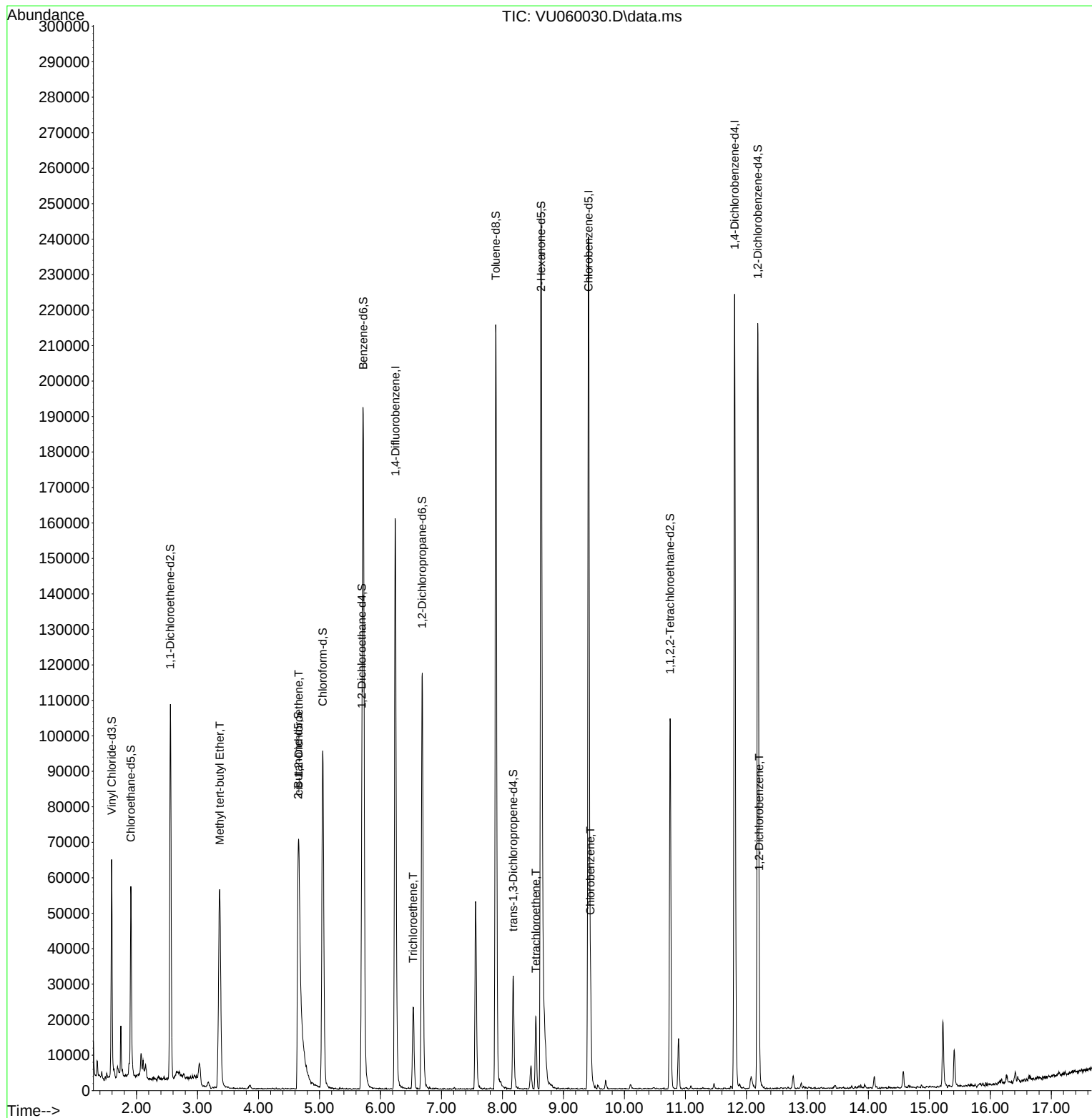
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	141466	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	145517	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	66396	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	43900	4.460	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.200%
7) Chloroethane-d5	1.907	69	41977	4.591	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.800%
11) 1,1-Dichloroethene-d2	2.554	65	19602	5.101	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.000%
20) 2-Butanone-d5	4.653	46	126366	54.914	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.820%
24) Chloroform-d	5.055	84	92237	4.459	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.200%
26) 1,2-Dichloroethane-d4	5.695	65	46683	4.847	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.000%
32) Benzene-d6	5.717	84	189057	4.849	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.000%
36) 1,2-Dichloropropane-d6	6.685	67	61380	4.941	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.800%
41) Toluene-d8	7.891	98	155554	4.416	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.400%
43) trans-1,3-Dichloroprop...	8.177	79	20079	4.748	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.000%
46) 2-Hexanone-d5	8.634	63	98318	52.391	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.780%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	55108	4.984	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	62875	5.246	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.000%
Target Compounds						Qvalue
17) Methyl tert-butyl Ether	3.364	73	67883	2.757	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	13174	1.047	ug/L	98
34) Trichloroethene	6.537	95	8595	0.674	ug/L	92
47) Tetrachloroethene	8.550	164	4998	0.474	ug/L	94
51) Chlorobenzene	9.444	112	15757	0.471	ug/L	96
67) 1,2-Dichlorobenzene	12.209	146	3753	0.168	ug/L #	86

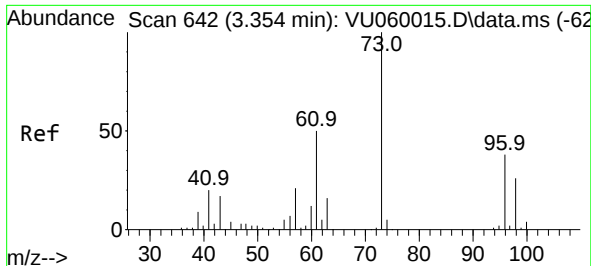
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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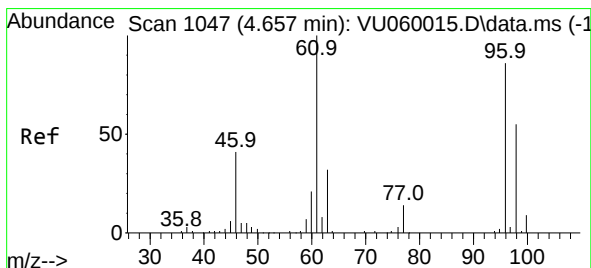
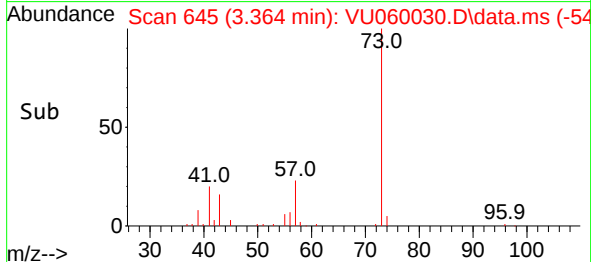
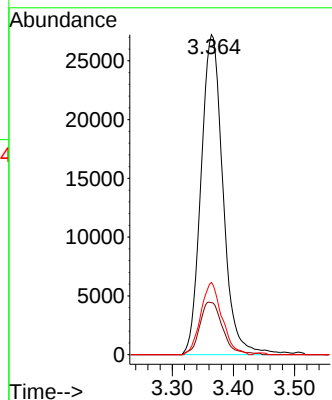
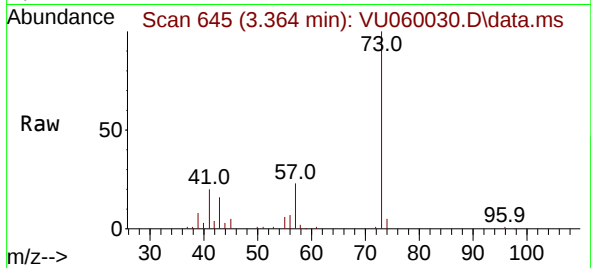




#17
Methyl tert-butyl Ether
Concen: 2.757 ug/L
RT: 3.364 min Scan# 64
Delta R.T. 0.009 min
Lab File: VU060030.D
Acq: 18 Jul 2024 20:23

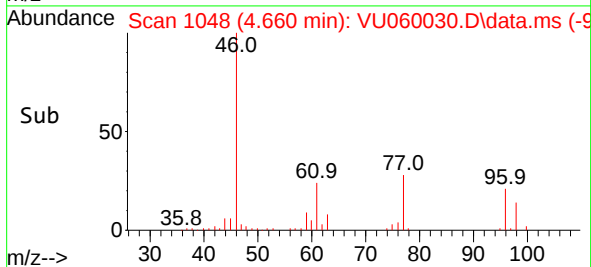
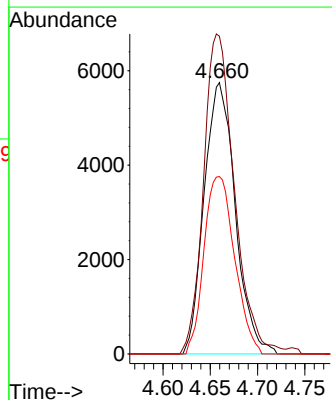
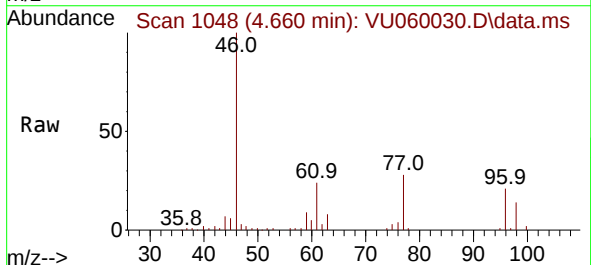
Instrument :
MSVOA_U
ClientSampleId :
YDZH5

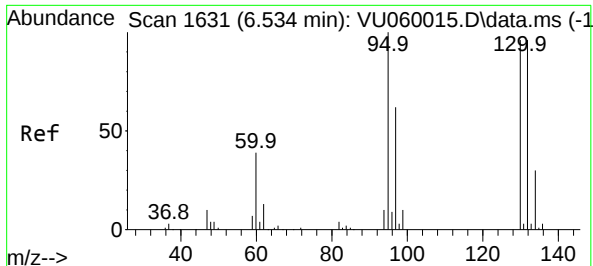
Tgt Ion: 73 Resp: 67883
Ion Ratio Lower Upper
73 100
43 17.1 13.1 19.7
57 21.8 17.0 25.4



#22
cis-1,2-Dichloroethene
Concen: 1.047 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. 0.003 min
Lab File: VU060030.D
Acq: 18 Jul 2024 20:23

Tgt Ion: 96 Resp: 13174
Ion Ratio Lower Upper
96 100
61 117.1 80.2 148.9
98 65.4 44.7 83.1





#34

Trichloroethene

Concen: 0.674 ug/L

RT: 6.537 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU060030.D

Acq: 18 Jul 2024 20:23

Instrument :

MSVOA_U

ClientSampleId :

YDZH5

Tgt Ion: 95 Resp: 8595

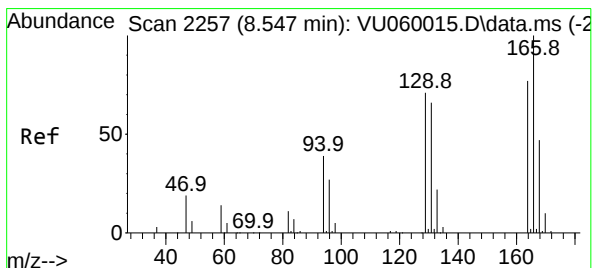
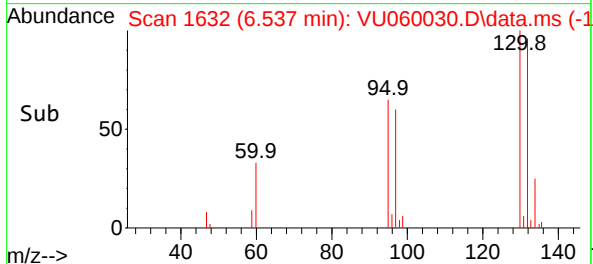
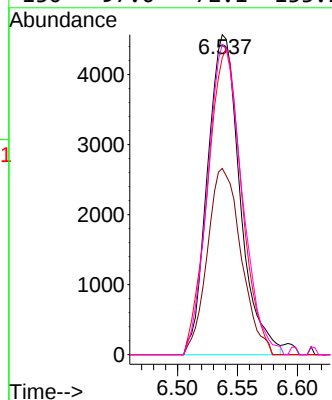
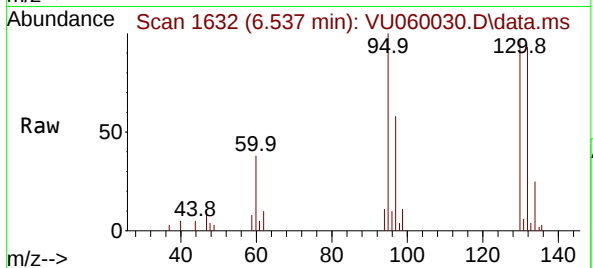
Ion Ratio Lower Upper

95 100

97 58.2 45.9 85.3

132 92.8 71.4 132.6

130 97.0 72.1 133.9



#47

Tetrachloroethene

Concen: 0.474 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. 0.003 min

Lab File: VU060030.D

Acq: 18 Jul 2024 20:23

Tgt Ion: 164 Resp: 4998

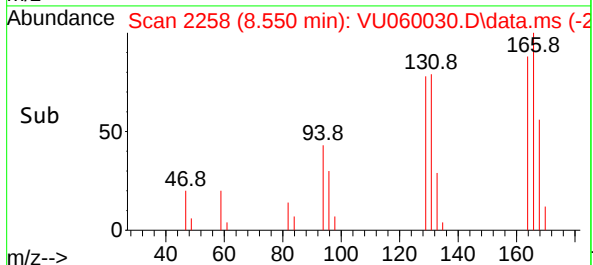
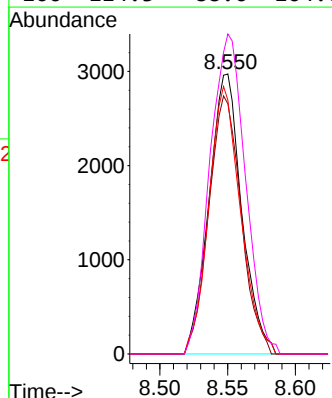
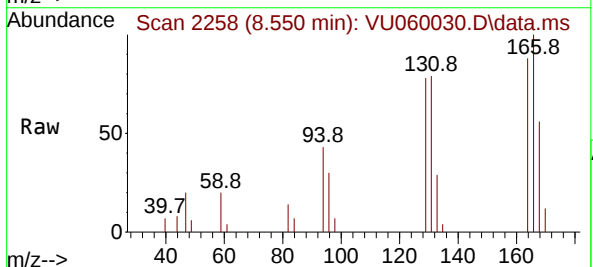
Ion Ratio Lower Upper

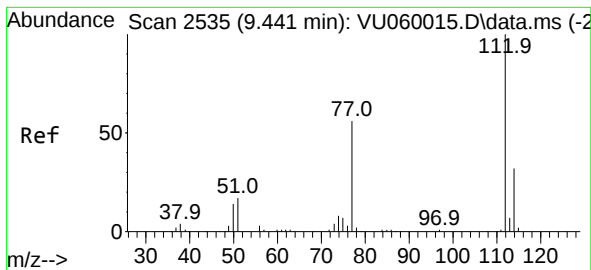
164 100

129 89.3 64.6 120.0

131 90.6 61.2 113.8

166 114.3 88.6 164.6





#51

Chlorobenzene

Concen: 0.471 ug/L

RT: 9.444 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU060030.D

Acq: 18 Jul 2024 20:23

Instrument :

MSVOA_U

ClientSampleId :

YDZH5

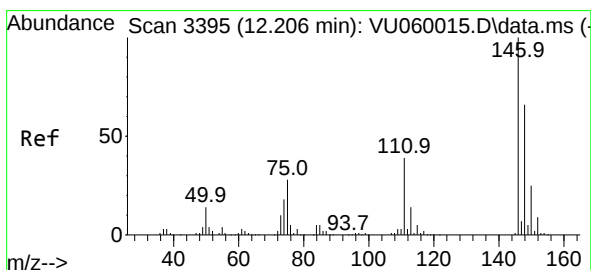
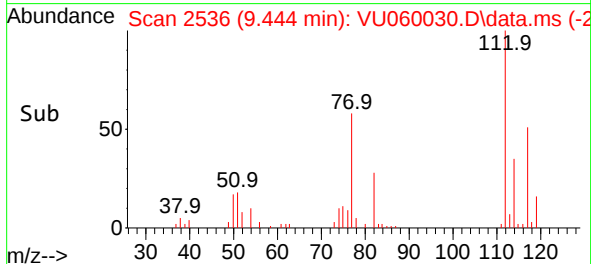
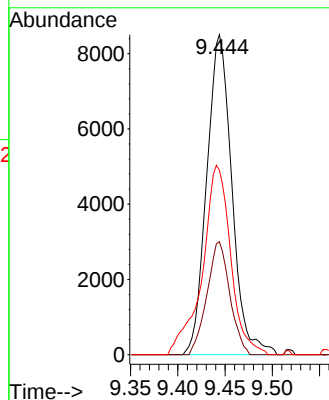
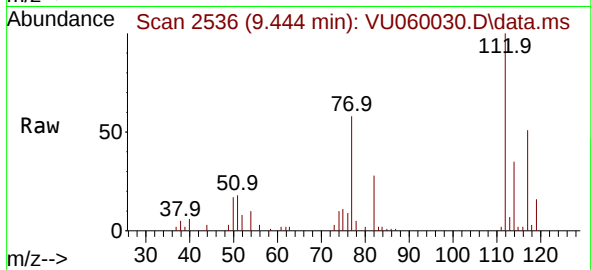
Tgt Ion:112 Resp: 15757

Ion Ratio Lower Upper

112 100

114 35.3 22.1 41.1

77 57.7 44.7 67.1



#67

1,2-Dichlorobenzene

Concen: 0.168 ug/L

RT: 12.209 min Scan# 3396

Delta R.T. 0.003 min

Lab File: VU060030.D

Acq: 18 Jul 2024 20:23

Tgt Ion:146 Resp: 3753

Ion Ratio Lower Upper

146 100

111 40.6 30.9 46.3

148 46.9 49.8 74.8#

