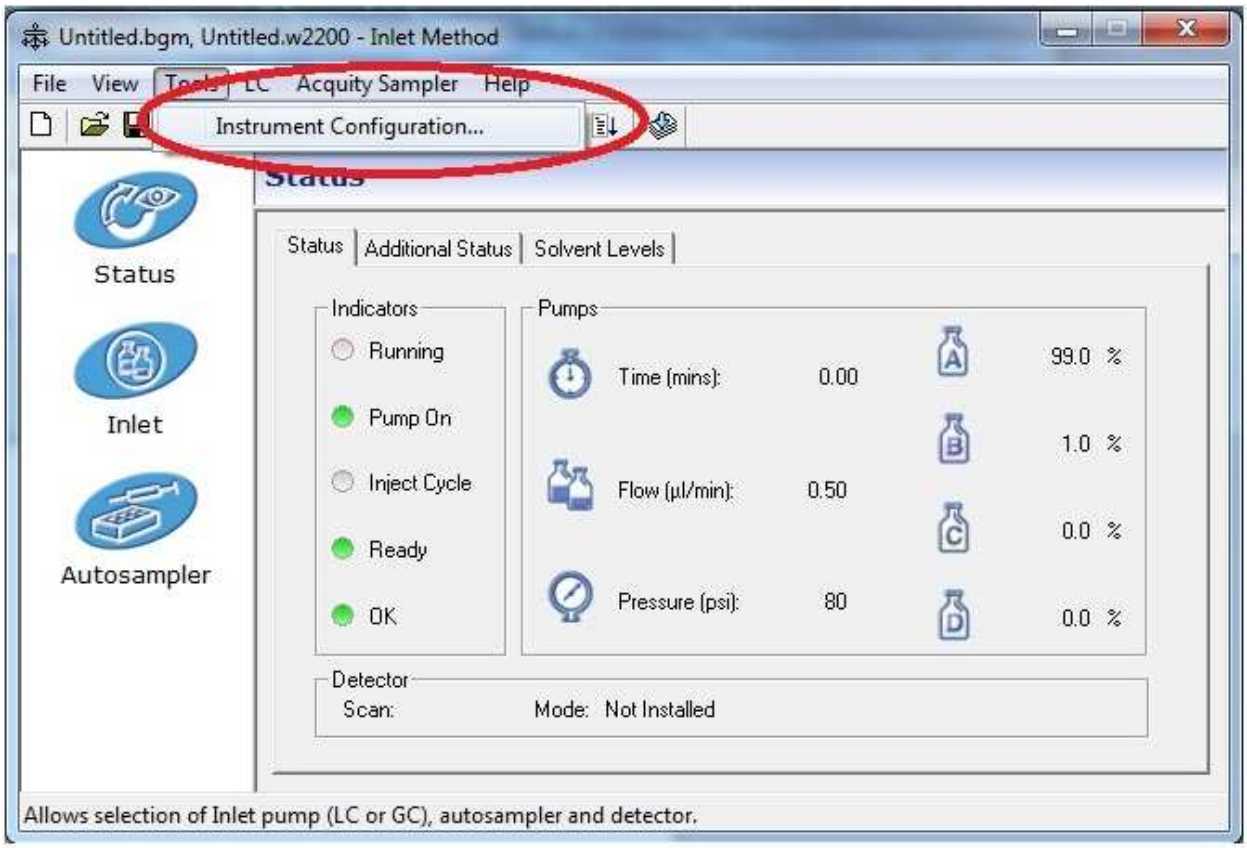
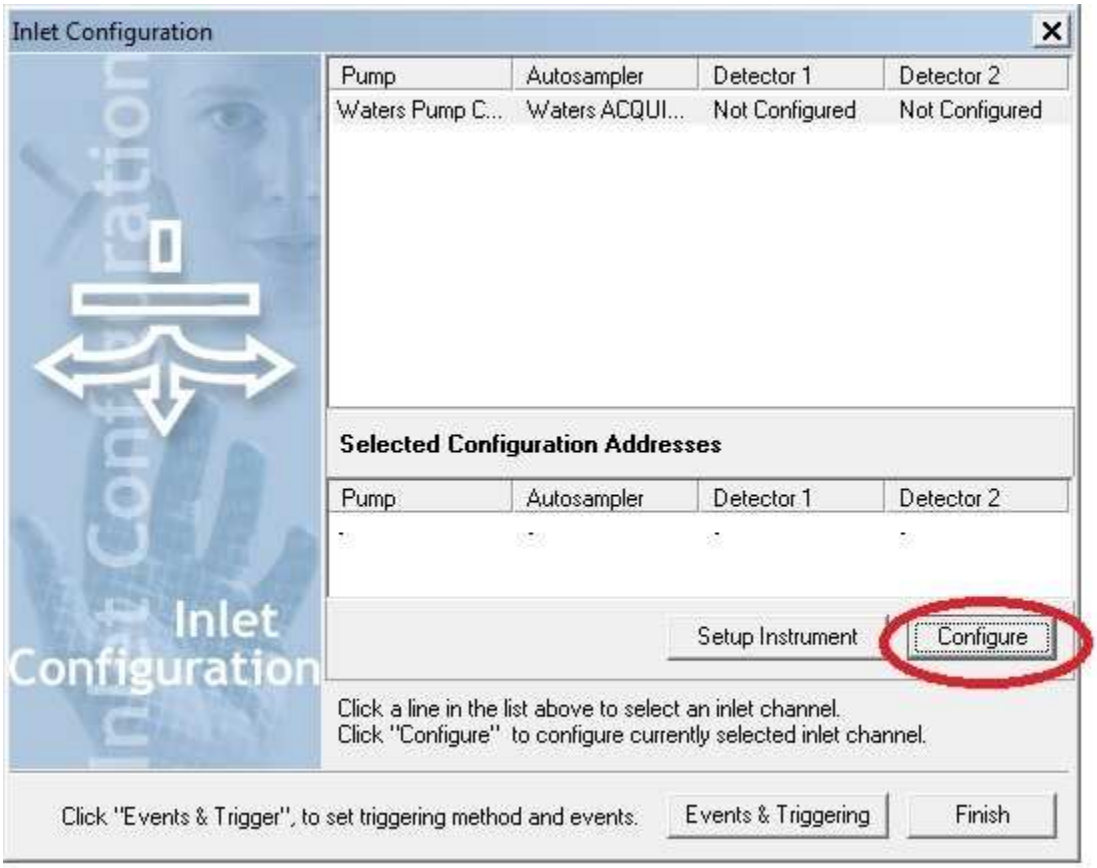
Conversion M-class to I-class

1. Close Acquity Console
2. In Inlet Editor, choose Tools->Instrument Configuration



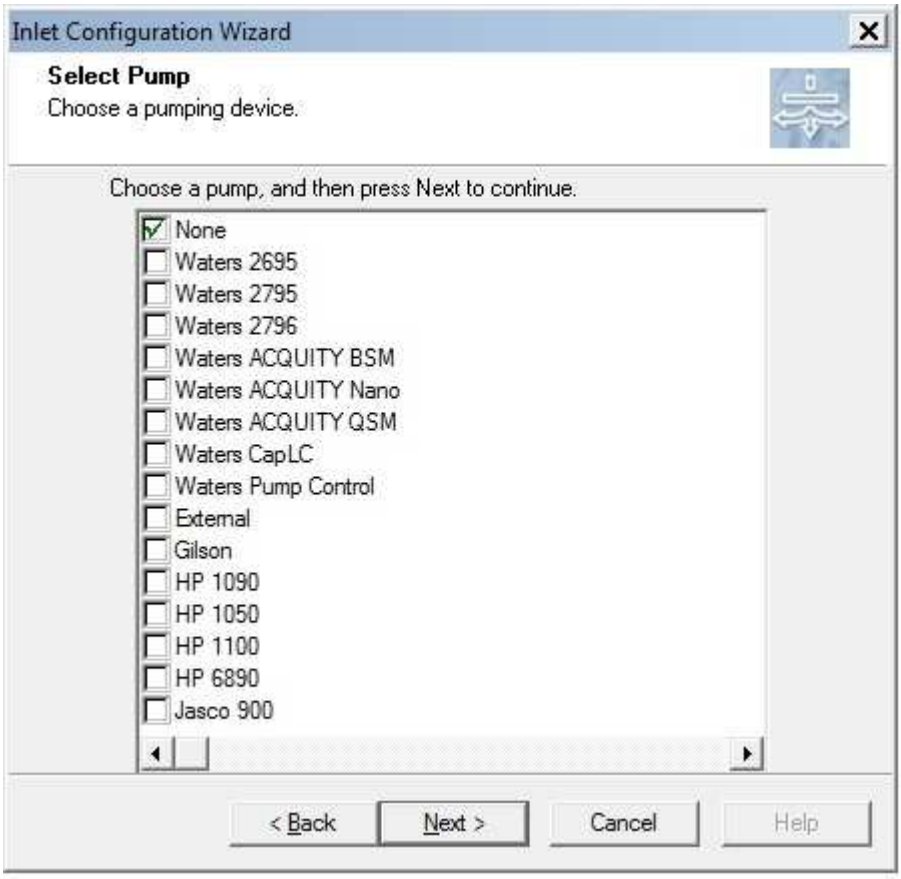
3. Click Configure



4. Click Next

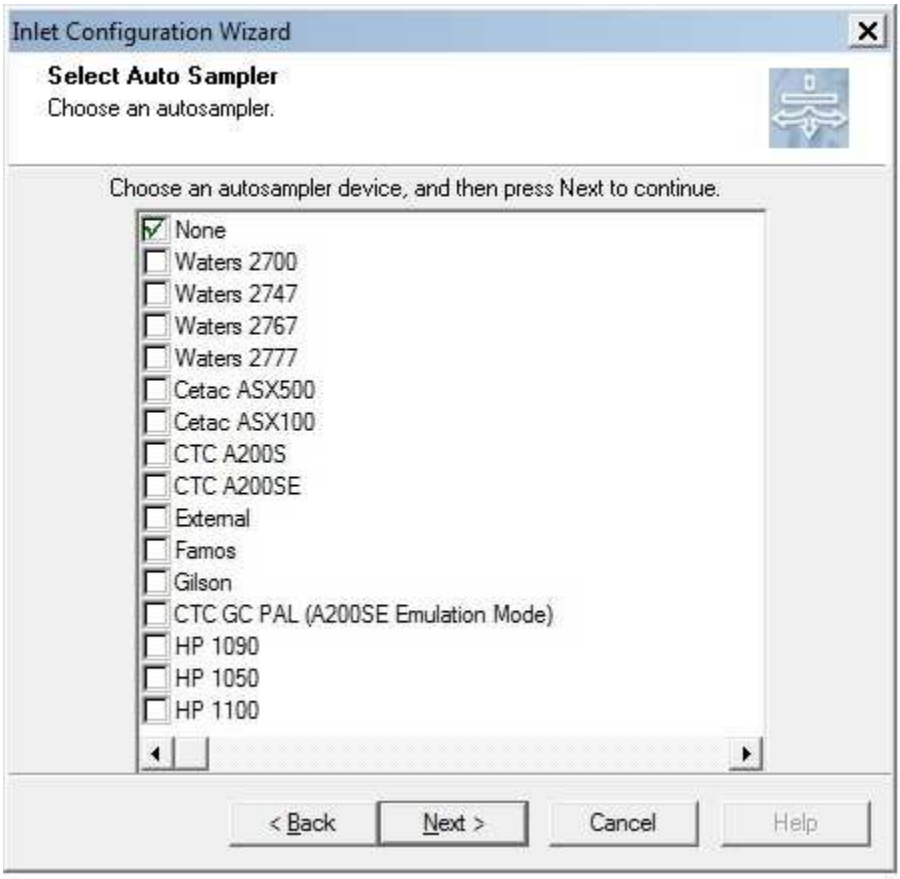
Inlet Configuration Wizard
Welcome to the Inlet Configuration Wizard
This wizard helps you add and remove Inlet devices such as LCs, GCs, autosamplers and detectors.
Click Next to continue..
Inlet Configuration
< Back
Next >
Cancel
Help

5. Select None for Pump



Then click Next

6. Select None for Auto Sampler



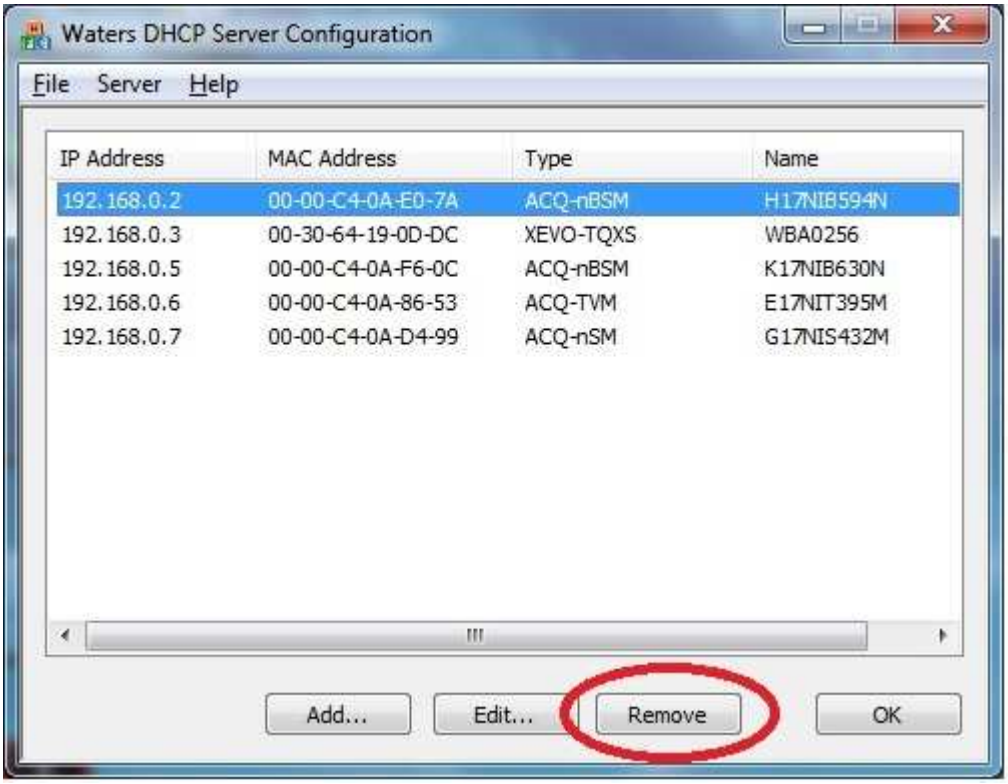
Then click Next

7. Click Next, then Finish, then Finish again to exit Inlet Configuration
8. Click No when asked if you want to save changes.

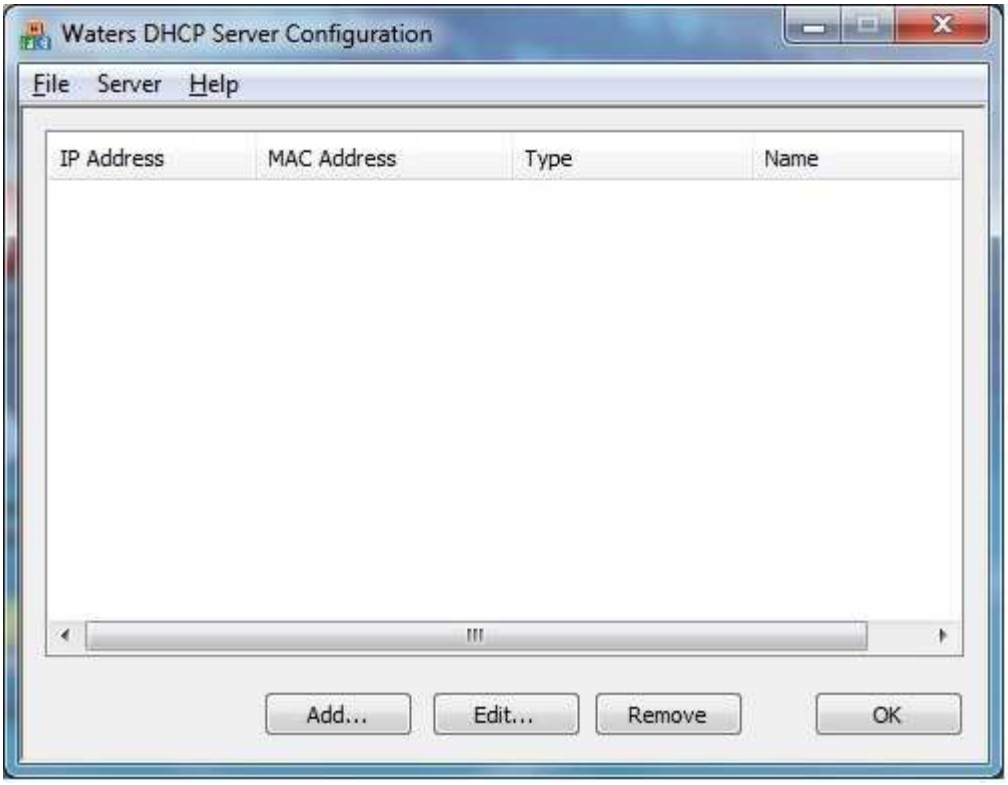
9. Close the Inlet Editor and exit Masslynx. Again, click No when asked to save changes.
10. Power off all M-class modules.

11. Open Waters DHCP Server Configuration.exe on the desktop

12. Select each module in turn and click Remove. Say Yes to the confirmation prompt.



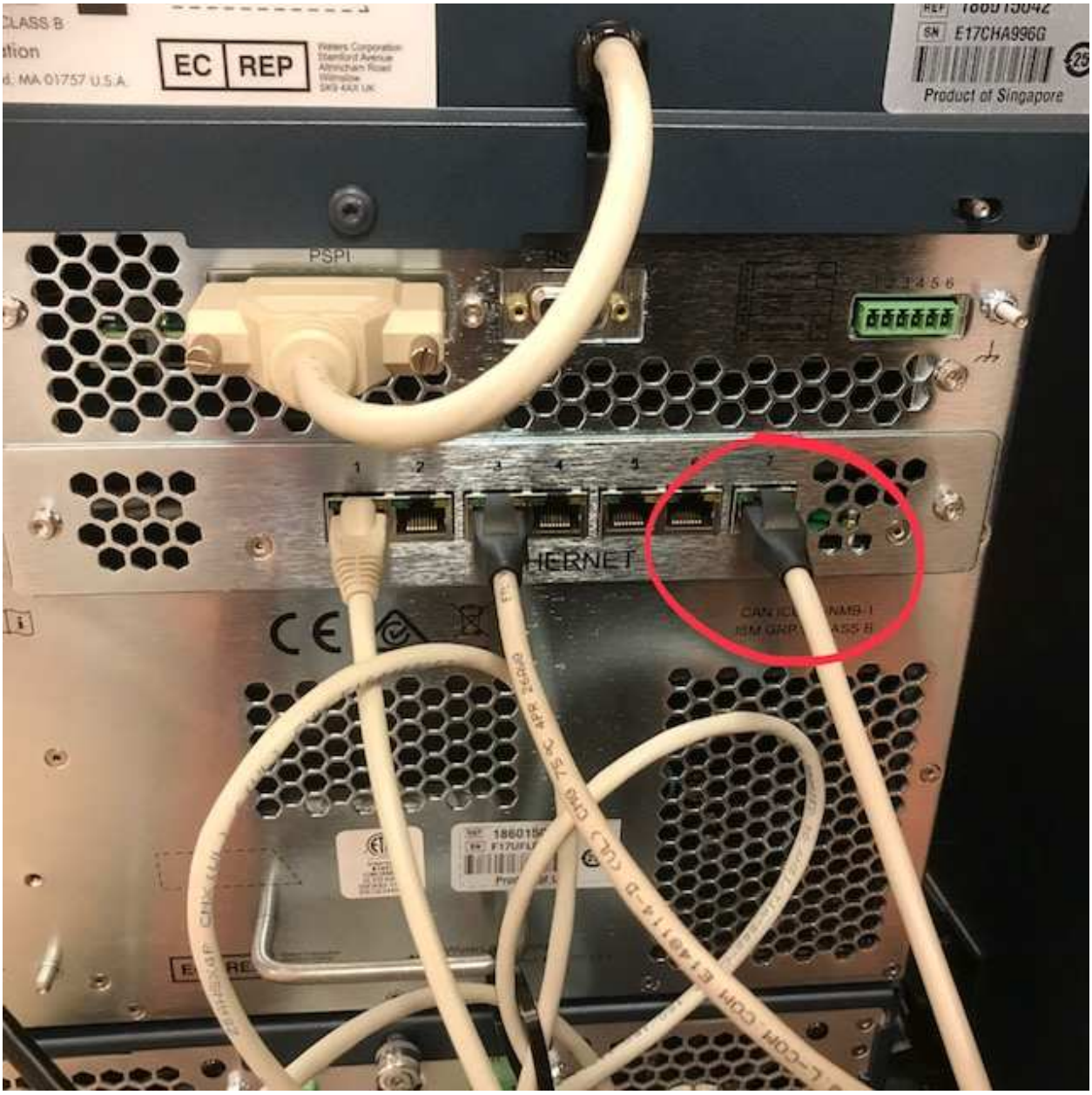
13. When finished, the configuration should be empty:



14. Close Waters DHCP Server Configuration.exe

15. Move the Xevo TQ-XS Ethernet cable from the M-class switch to the I-class switch.

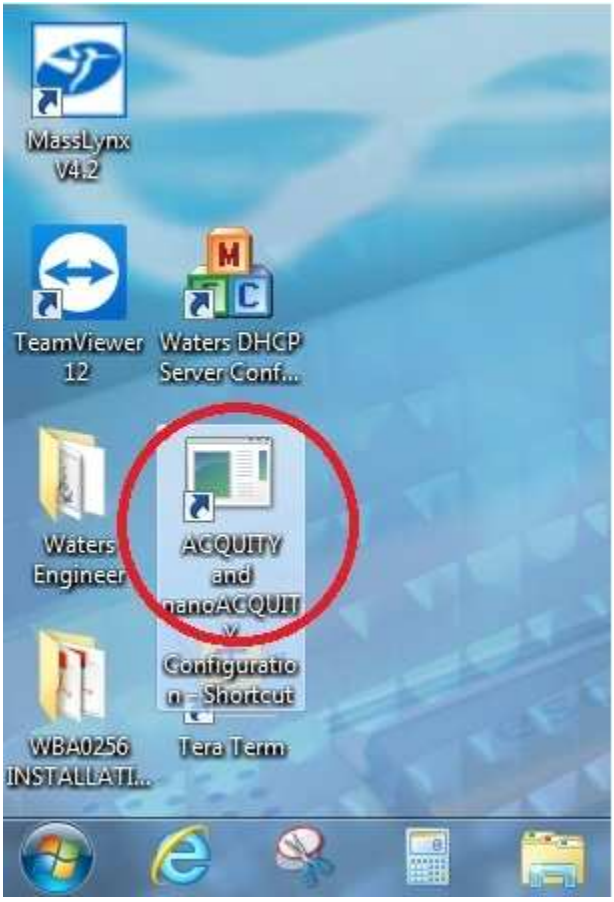
M-class



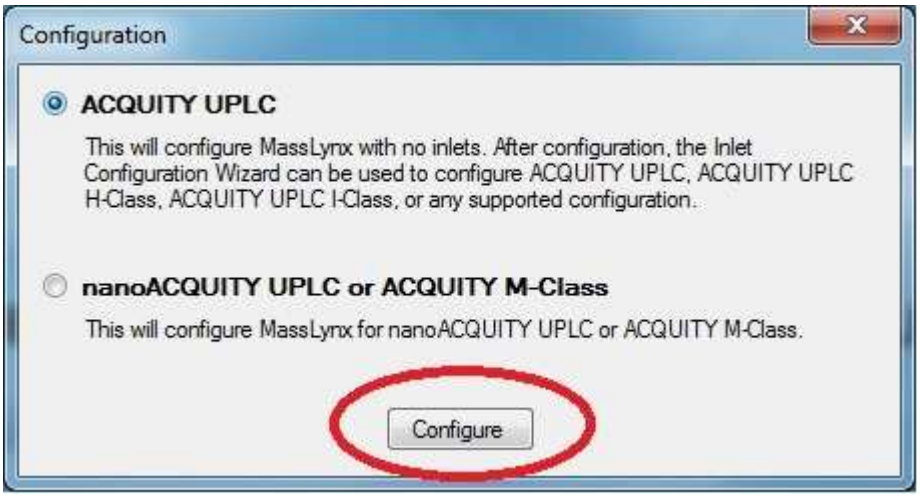
I-class

16. Reboot Masslynx PC.

17. Open the ACQUITY and nanoACQUITY Configuration.exe shortcut on the desktop



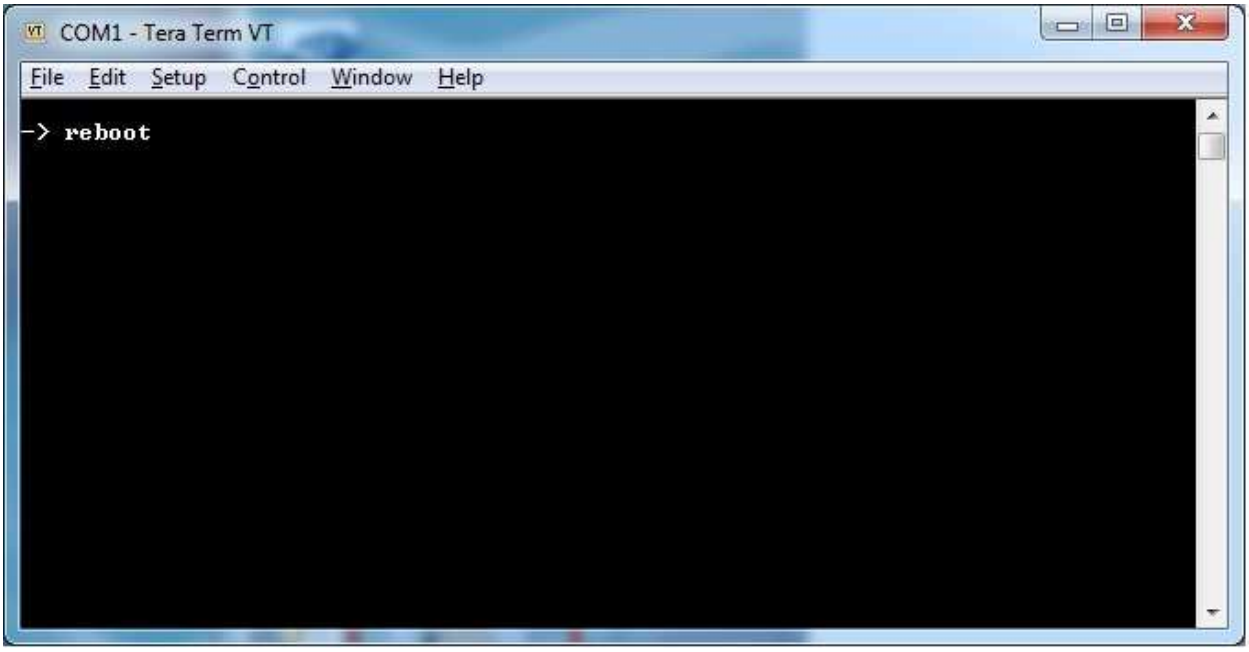
18. Choose ACQUITY UPLC and click Configure



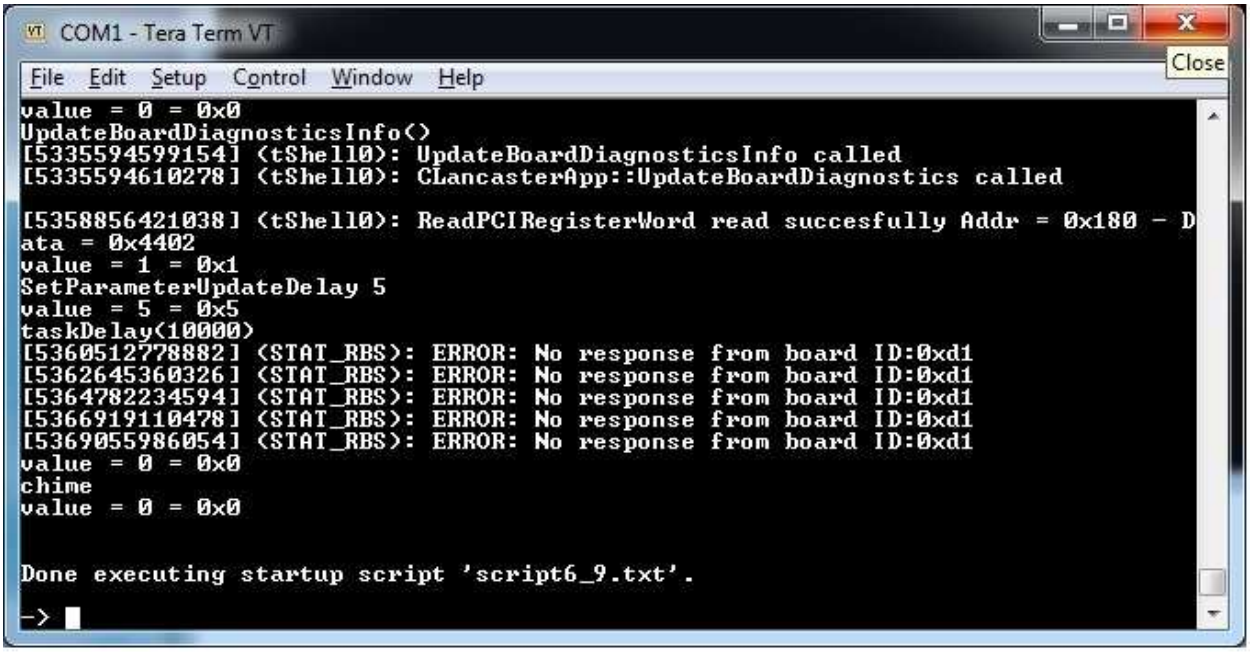
19. Open Waters DHCP Server Configuration.exe
20. Turn on both I-class modules.

21. Run Teraterm on the desktop

22. Hit the enter key to get an arrow prompt (->), then type "reboot <enter>"

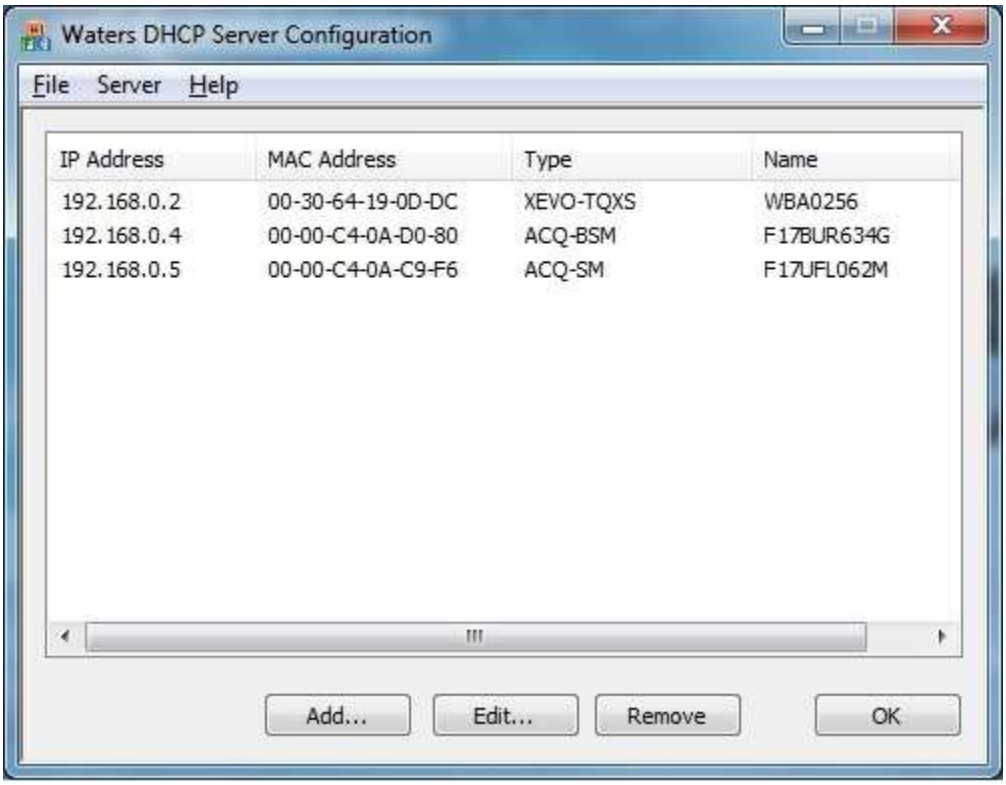


23. Wait for the EPC to reboot. When it is done teraterm will display this:

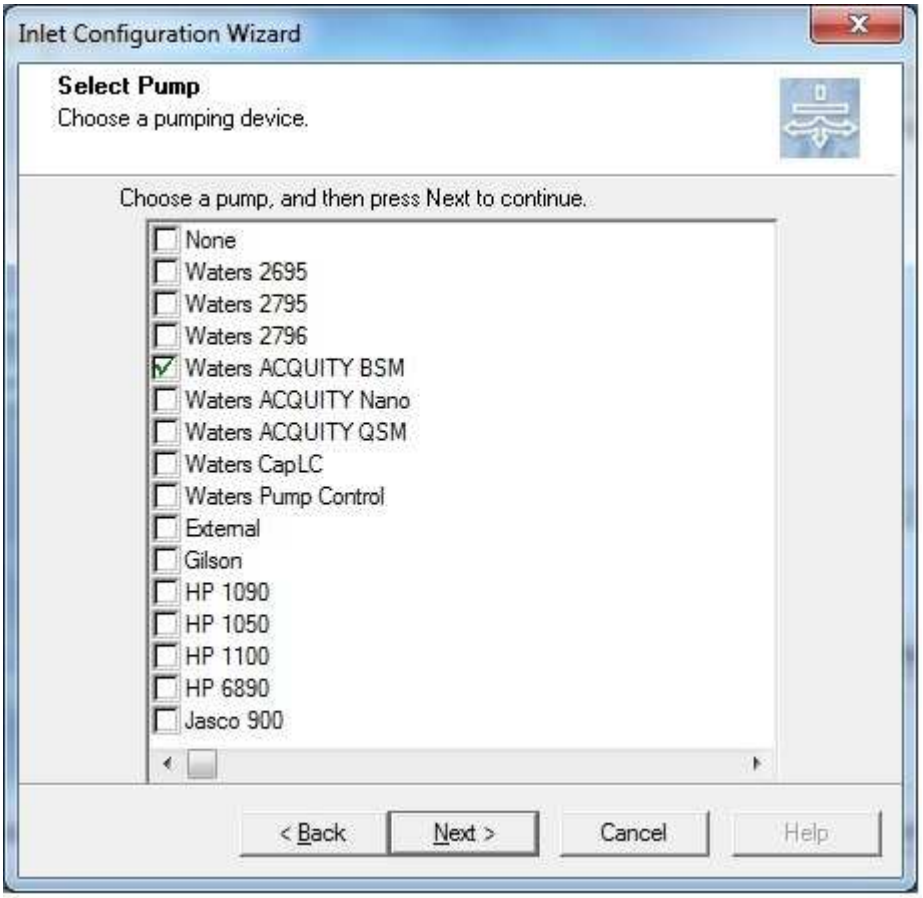


This is a standard way to reboot the EPC.

24. Close teraterm.
25. The Waters DHCP Server Configuration.exe window should display both I-class modules and the Xevo TQ-XS:



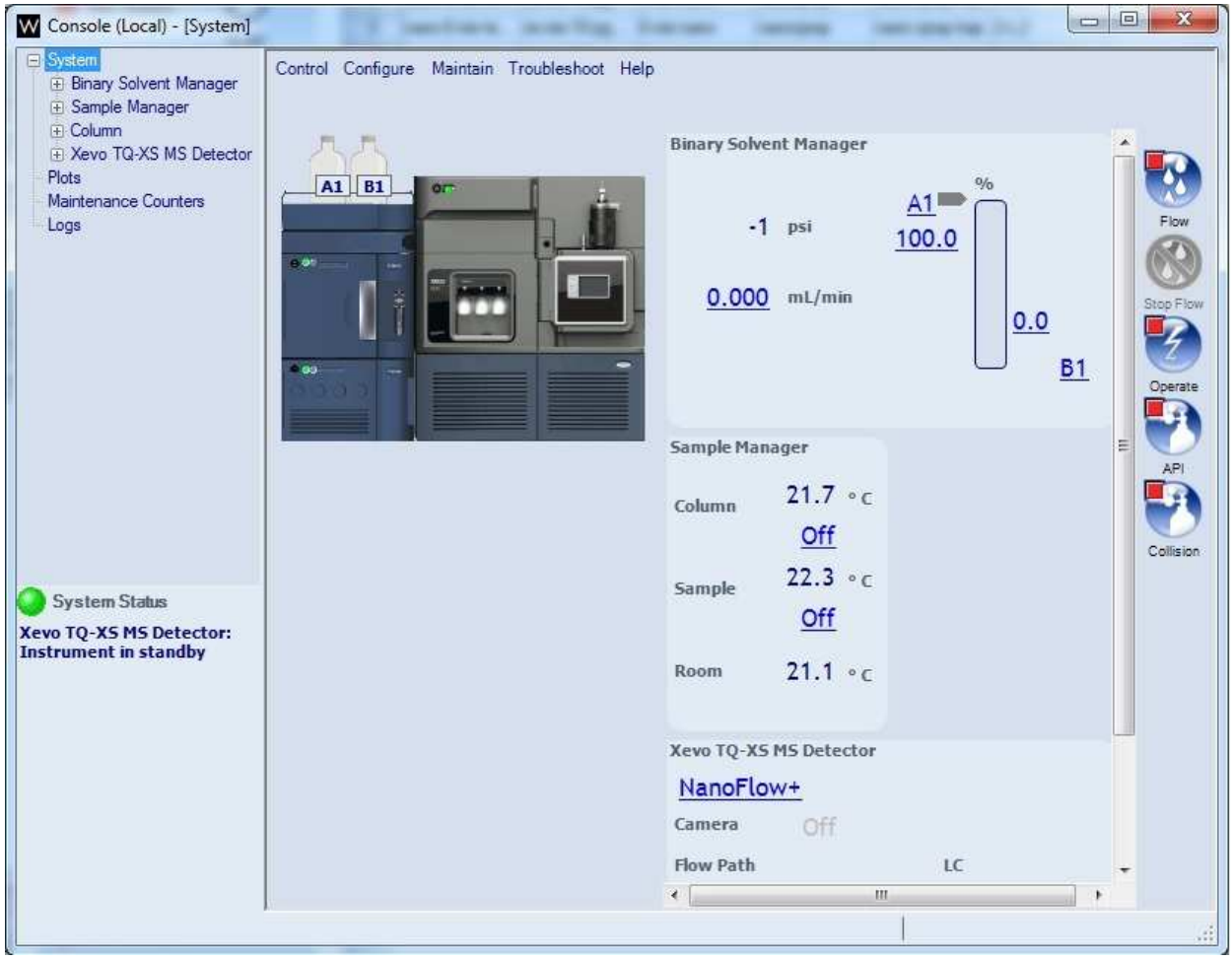
26. If so, close Waters DHCP Server Configuration.exe
27. Start Masslynx, go to the Inlet Editor and choose Tools->Instrument Configuration as above, then click Configure, then Next
28. For the pump, choose Waters ACQUITY BSM



29. For the pump, choose Waters ACQUITY Sample Manager

30. Click Next, Finish, Finish to exit the Inlet Editor, and OK at the setup prompt.

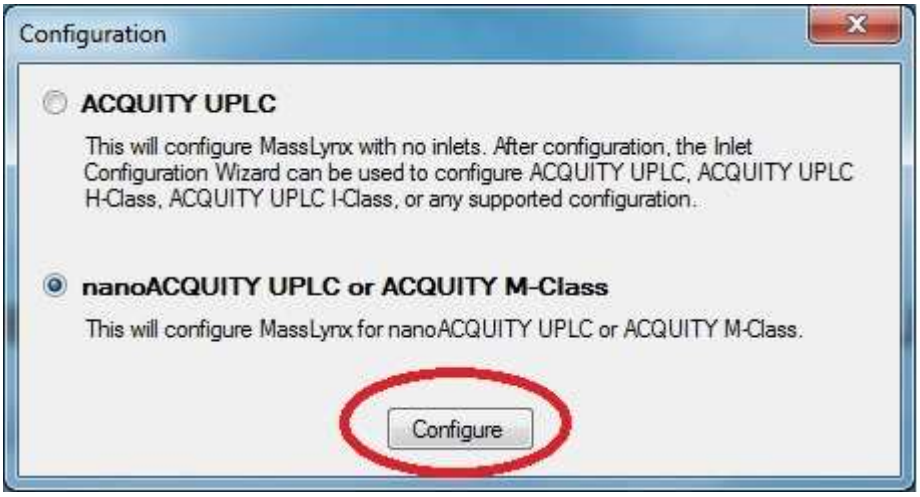
31. Open the console from the Masslynx Main window to ensure all the modules are present.



32. You are now ready to open a method in the inlet editor or use the console to control the I-class.

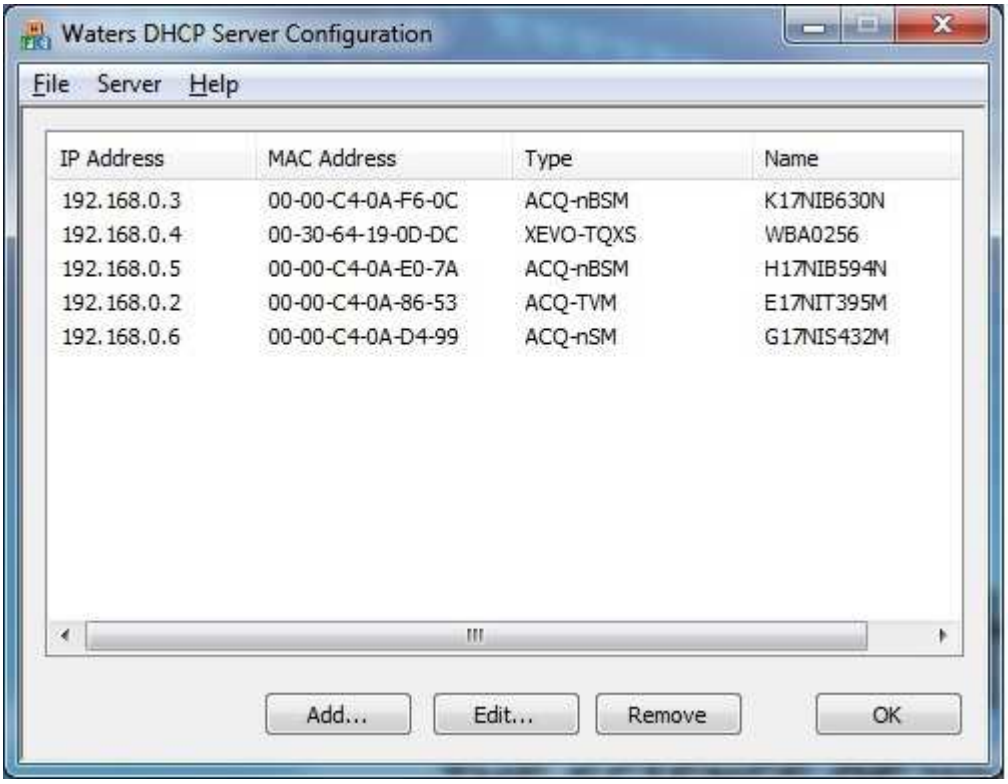
Conversion I-class to M-class:

1. Close the console
2. Open the Inlet Editor and deconfigure the inlet as described in the M-class to I-class section. Choose None for Pump and Autosampler. Then click through to exit Instrument Configuration, say no to the Save prompts, and exit the Inlet Editor.
3. Exit Masslynx
4. Power off both I-class Modules.
5. Open Waters DHCP Server Configuration.exe. Select each module in turn and click Remove. Then close Waters DHCP Server Configuration.exe
6. Move the Xevo TQ-XS Ethernet cable from the I-class switch to the M-class switch.
7. Reboot the Masslynx PC.
8. Run the ACQUITY and nanoACQUITY Configuration.exe shortcut from the desktop. Select "nanoACQUITY UPLC or ACQUITY M-Class" then click Configure



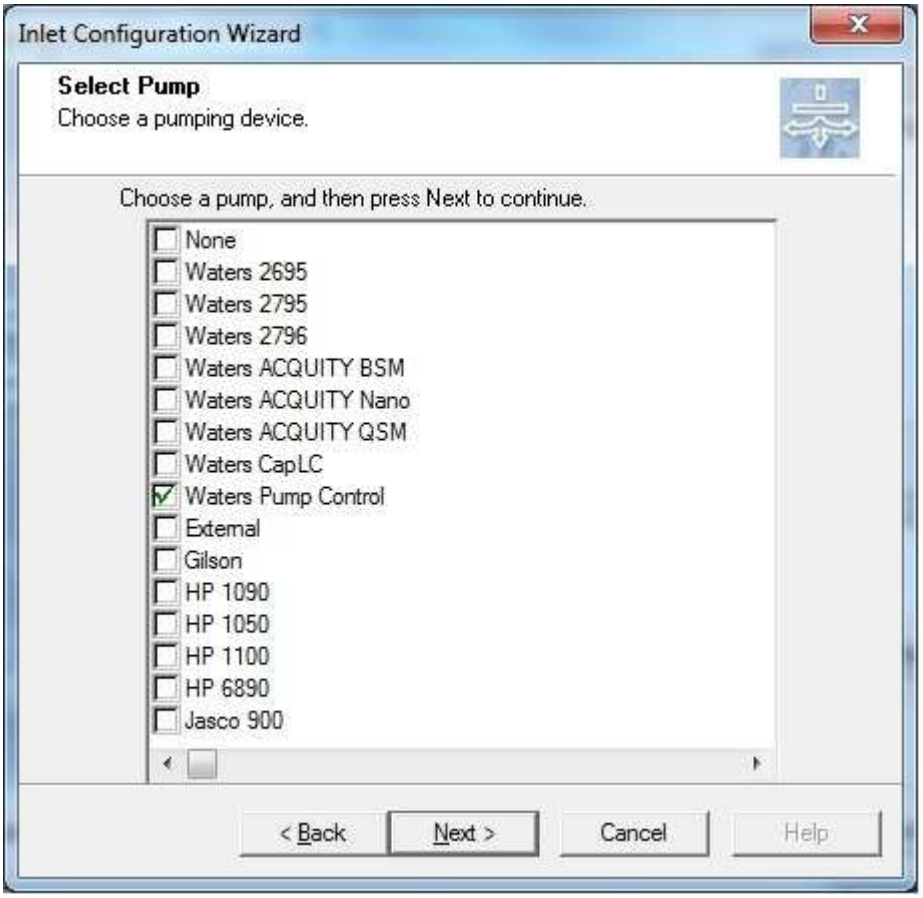
9. Open Waters DHCP Server Configuration.exe from the desktop
10. Power on all the M-class modules.
11. Open teraterm and reboot the EPC, as described in the M-class to I-Class conversion section

12. Wait until all five modules are present and have their serial numbers displayed.

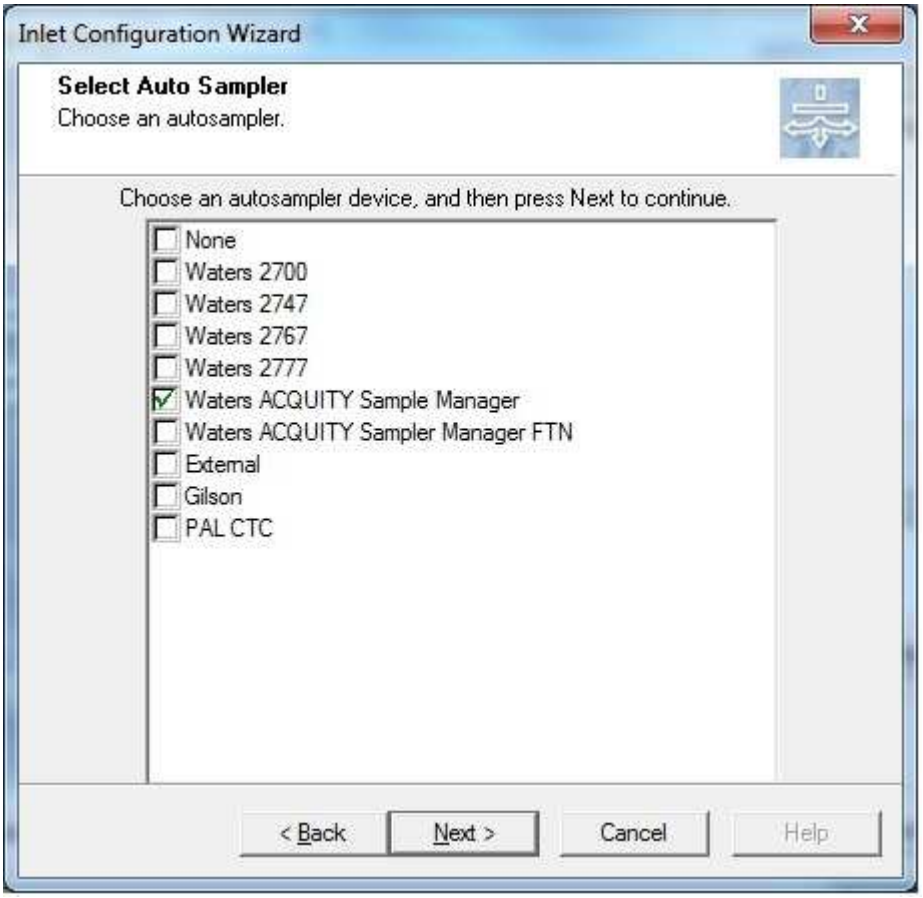


13. If so, then close Waters DHCP Server Configuration.exe and teraterm.
14. Start Masslynx
15. Open the Inlet Editor, and go to Tools->Instrument Configuration->Configure

16. For Pump, make sure that Waters Pump Control is selected



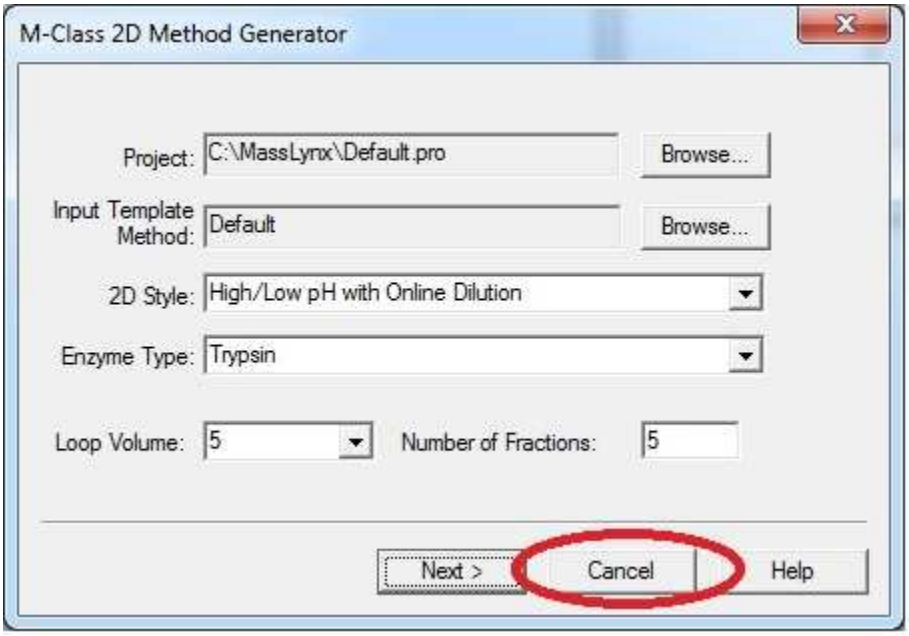
17. For Autosampler, select Waters ACQUITY Sample Manager



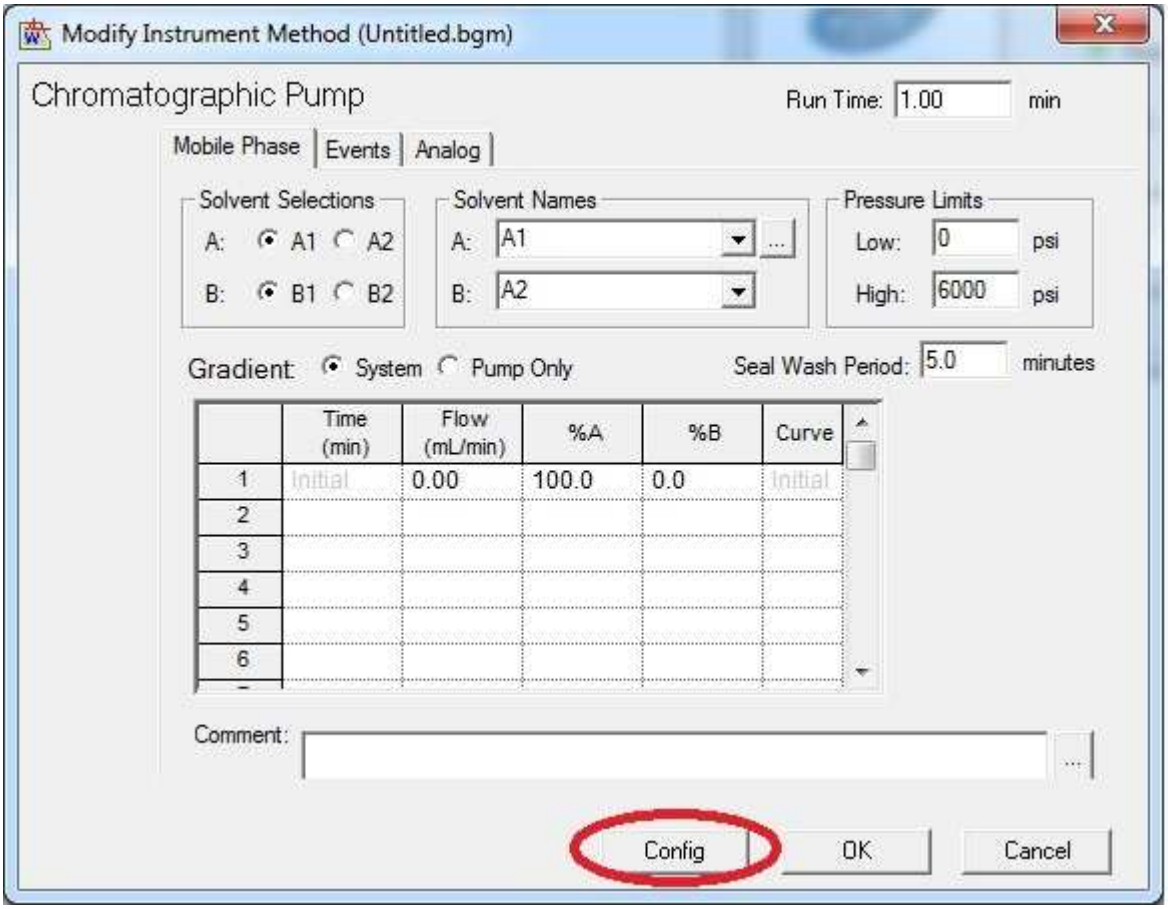
18. Click through and exit.

19. Click Inlet in the Inlet Editor.

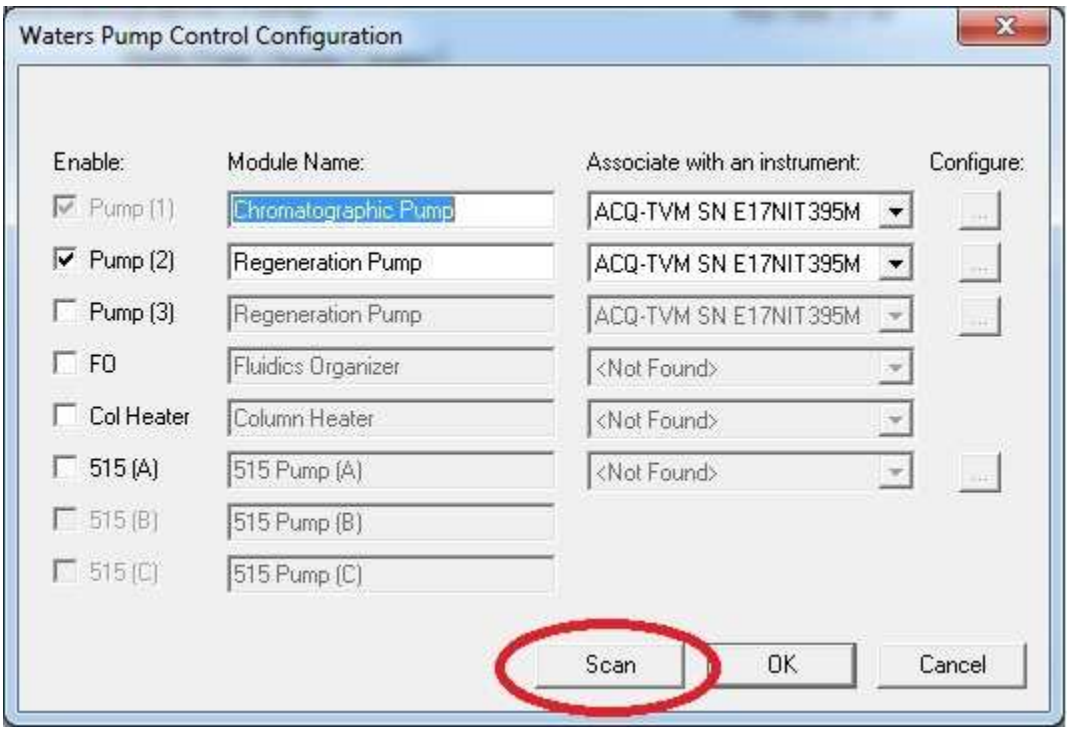
20. Click Cancel on the 2D Method Generator dialog that pops up



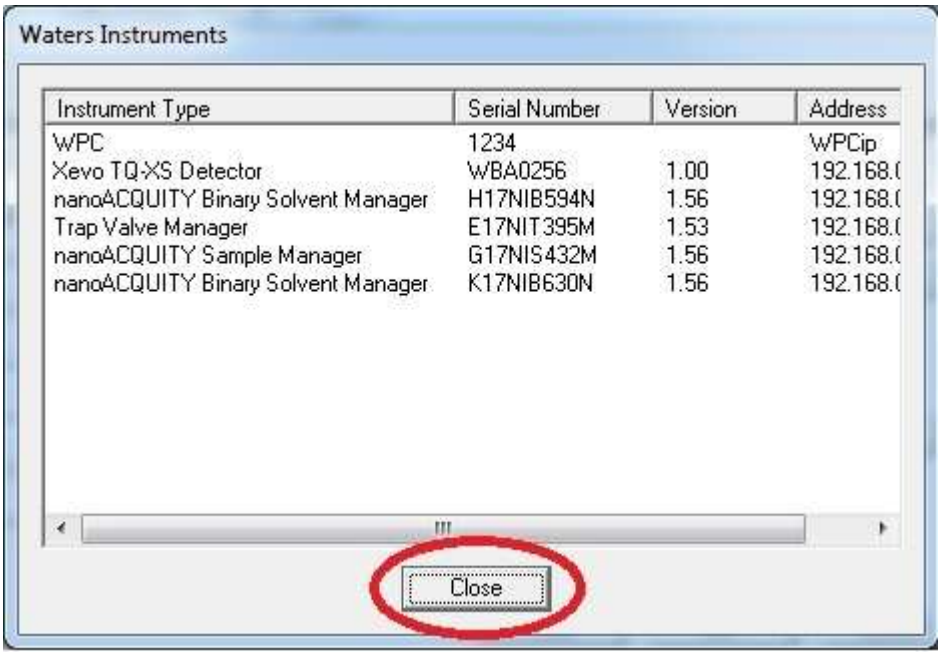
21. On the Modify Instrument Method page that appears next, click Config



22. Click Scan to populate the instrument modules



It will display a list of all the modules

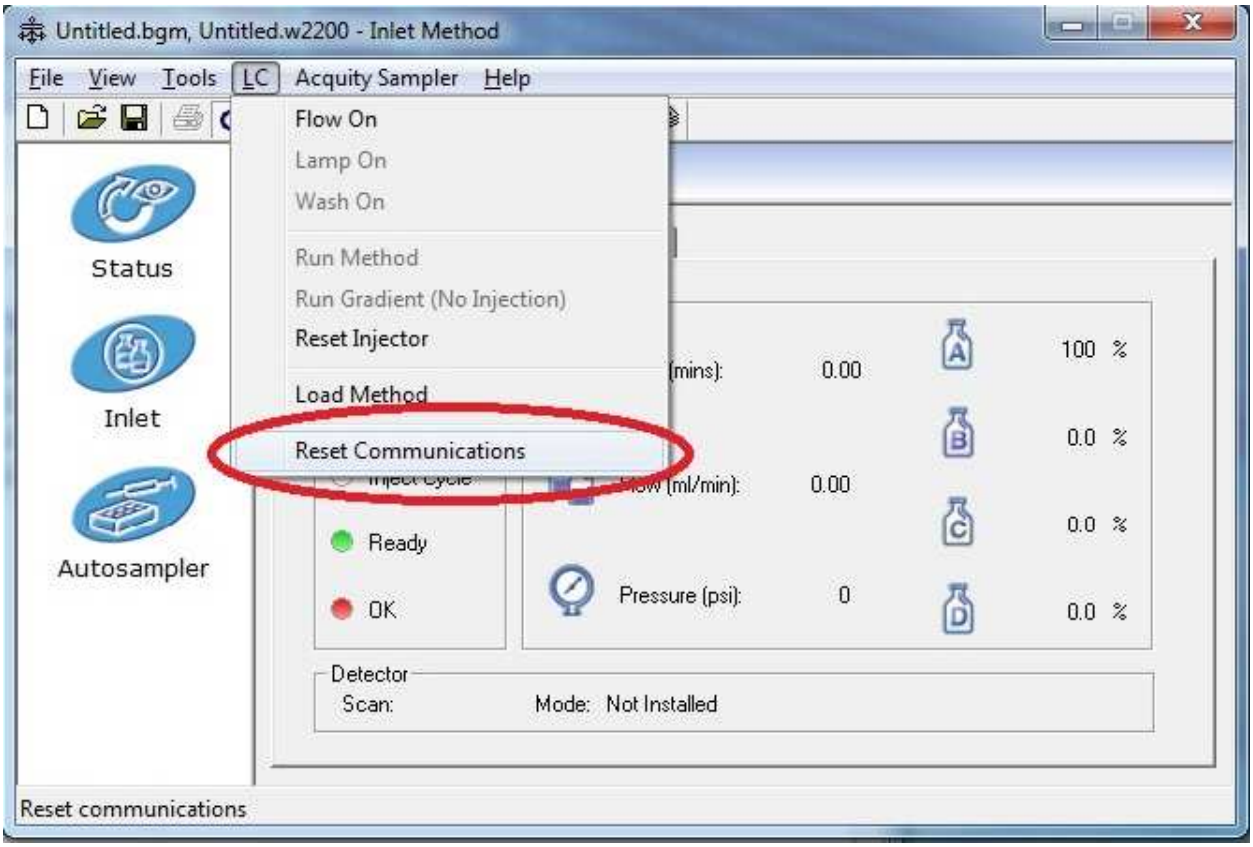


Click Close

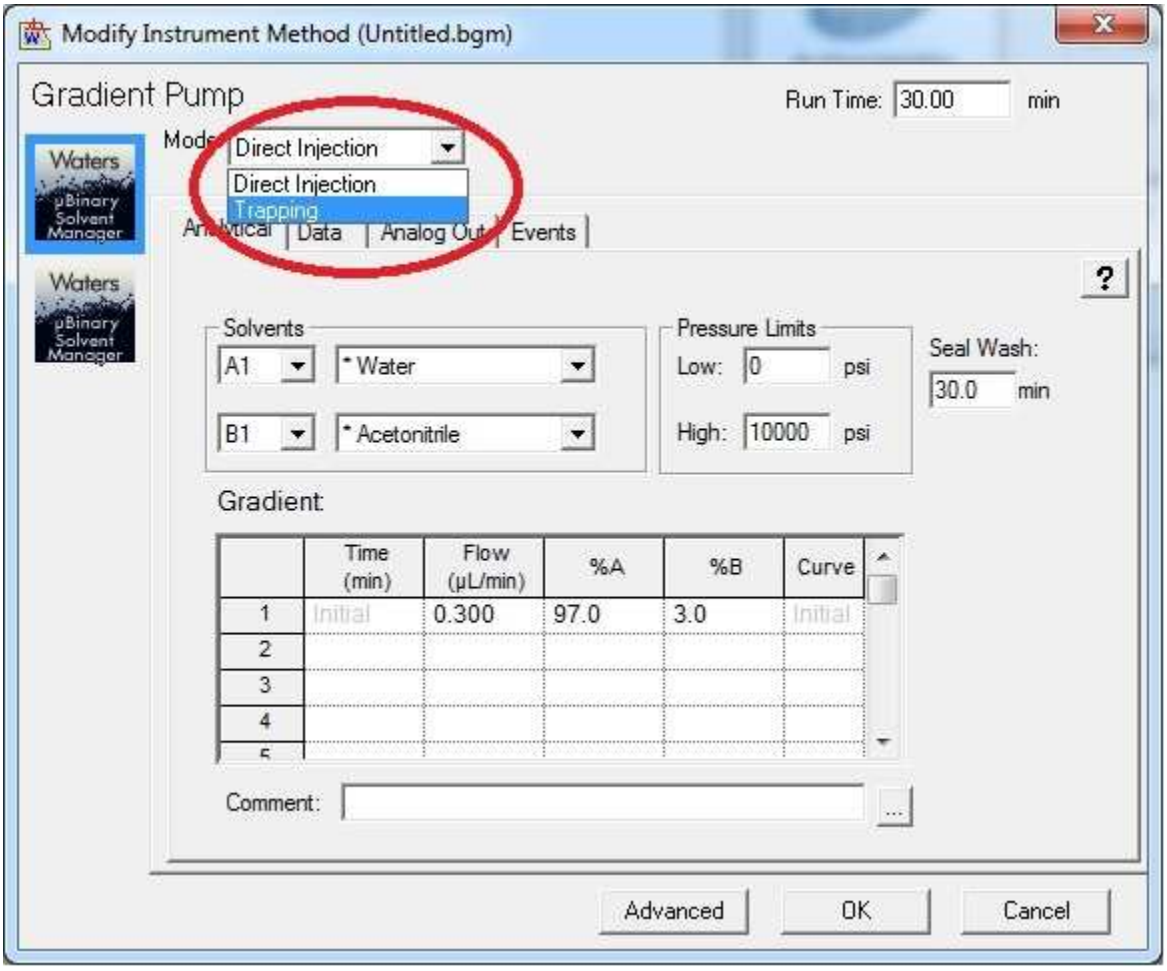
23. Optionally, rename "Chomatographic Pump" as "Gradient Pump" and "Regeneration Pump" and "Loading Pump"
24. In the dropdown next to Gradient Pump, select serial number H17NIB594N (this is the lower uBSM)

25. In the dropdown next to Loading Pump, select serial number K17NIB630N (this is the upper uBSM)
26. Click OK

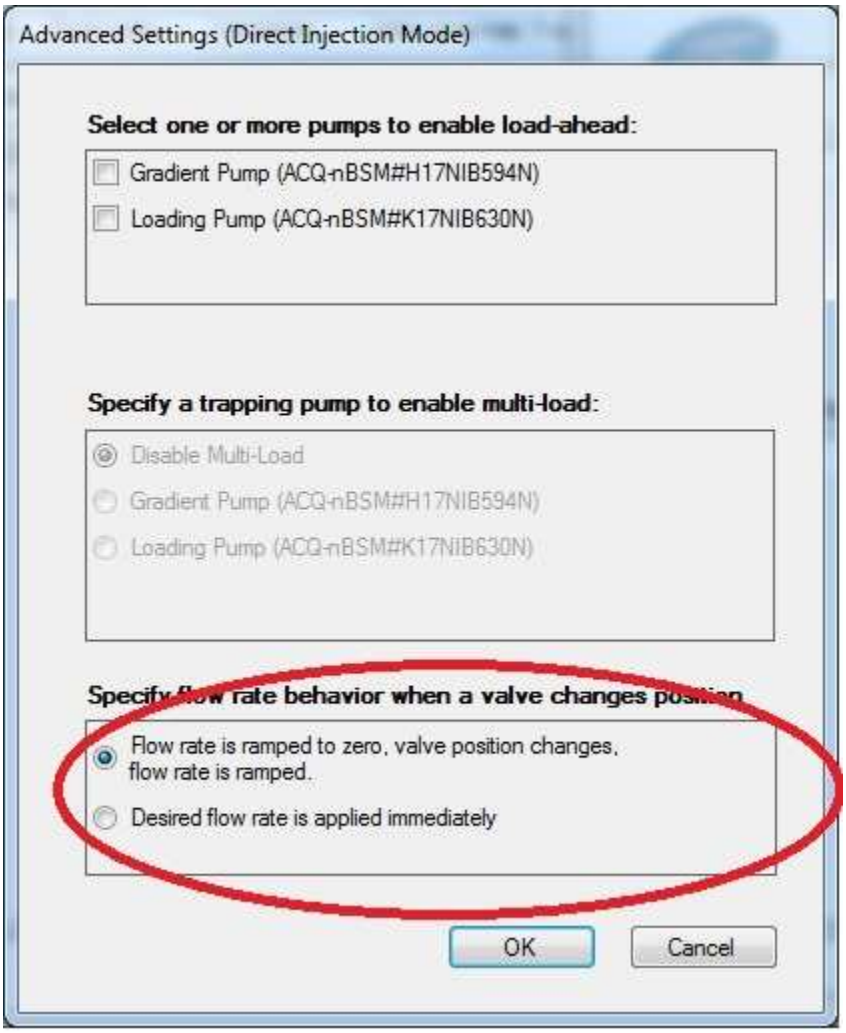
27. Click OK at the prompt, close the Modify Method screen, then choose LC->Reset Communications



28. Click Inlet again, and Cancel at the Method Generator
29. In the Mode dropdown, click Trapping

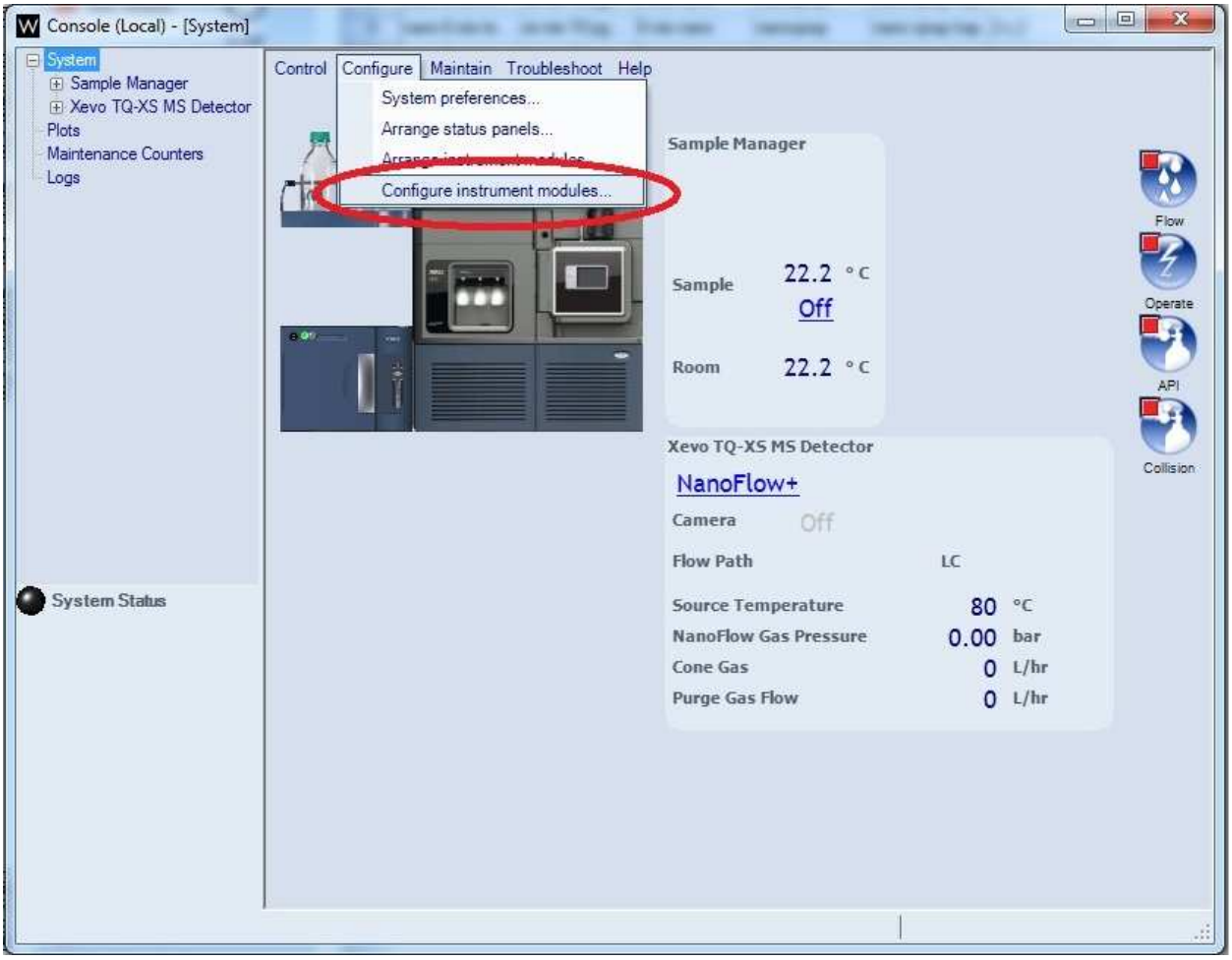

Modify Instrument Method (Untitled.bgm)
Gradient Pump
Run Time: 30.00 min
Mode: Direct Injection
Direct Injection
Trapping
Waters µBinary Solvent Manager
Waters µBinary Solvent Manager
Analytical
Data
Analog Out
Events
?
Solvents
A1
* Water
B1
* Acetonitrile
Pressure Limits
Low: 0 psi
High: 10000 psi
Seal Wash:
30.0 min
Gradient:
Time (min)
Flow (µL/min)
%A
%B
Curve
1 Initial 0.300 97.0 3.0 Initial
2
3
4
Comment:
Advanced
OK
Cancel

30. Click Advanced to show the advanced options, and make sure that "Flow rate is ramped to zero..." is selected, then click OK to exit.

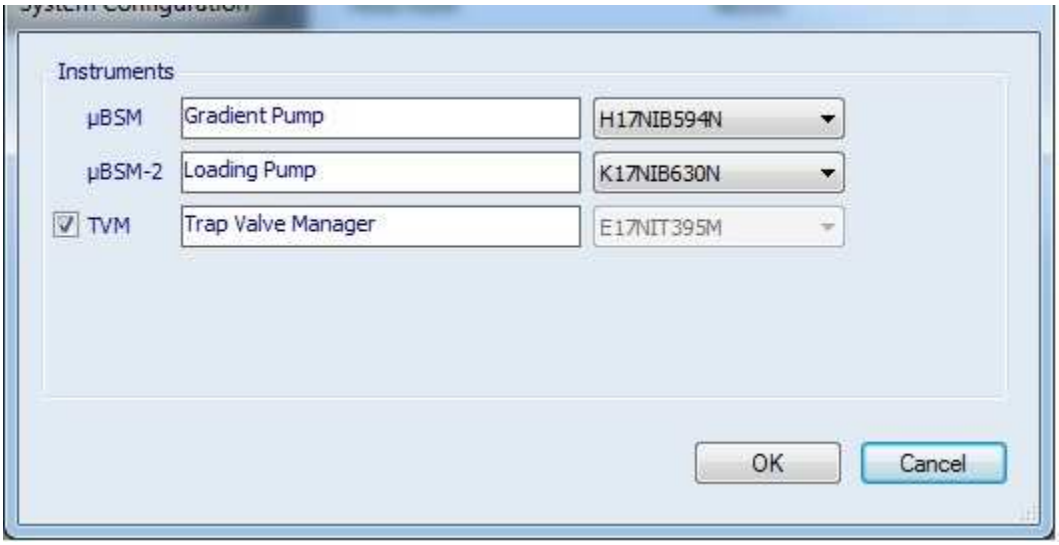


31. Click OK to exit, but leave the Inlet Editor running.

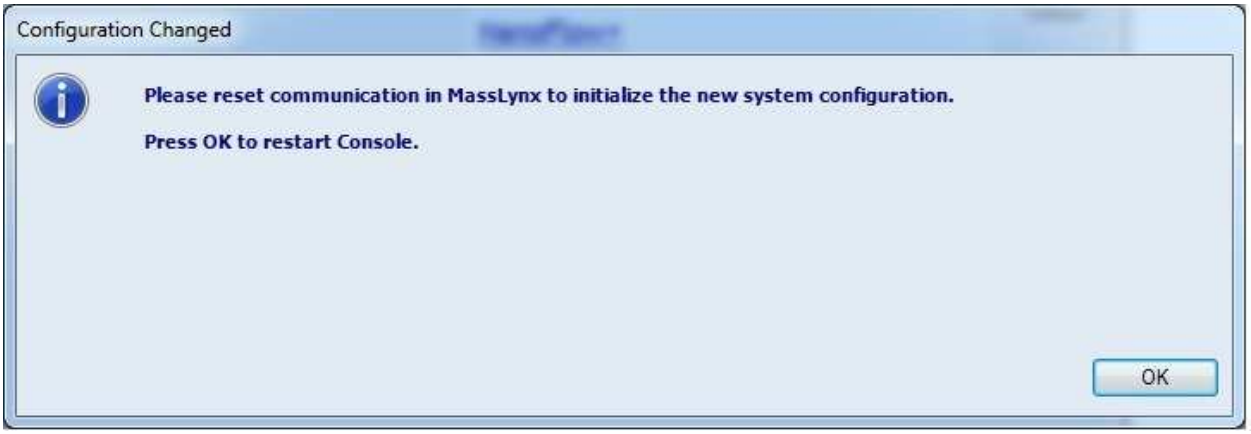
32. Open the console from the Masslynx main window.



33. Check that the modules are listed as shown and click OK:

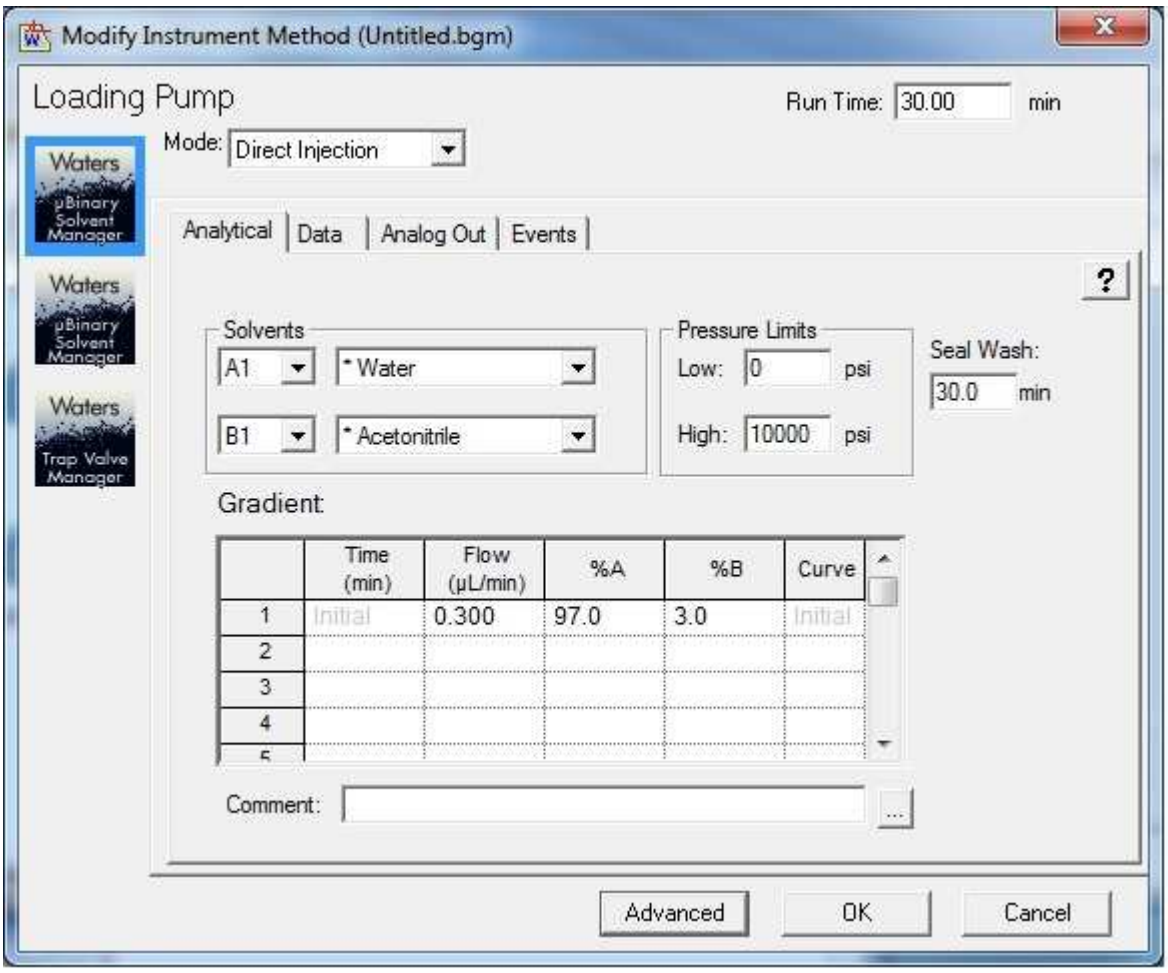


34. You will see this screen: Do not click OK yet!



35. First, go to the Inlet Editor and choose LC->Reset Communications. Then return to the console and click OK. Wait for the console to come back up. It should look like this:

36. In the Inlet Editor, click Inlet. The Modify Instrument Method page should now look like this:



You are now ready to open a method or control the M-class from the console.