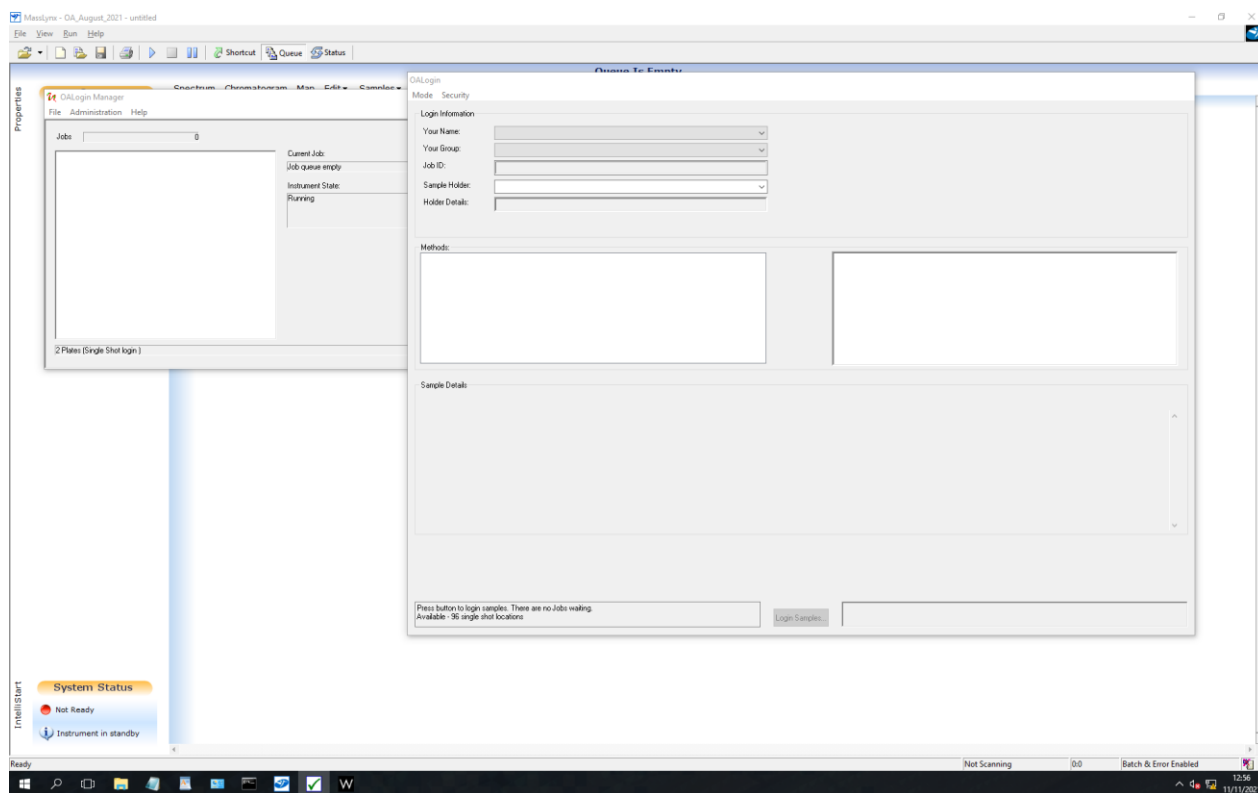


Sample Submission on the UPLC-SQD2 instrument

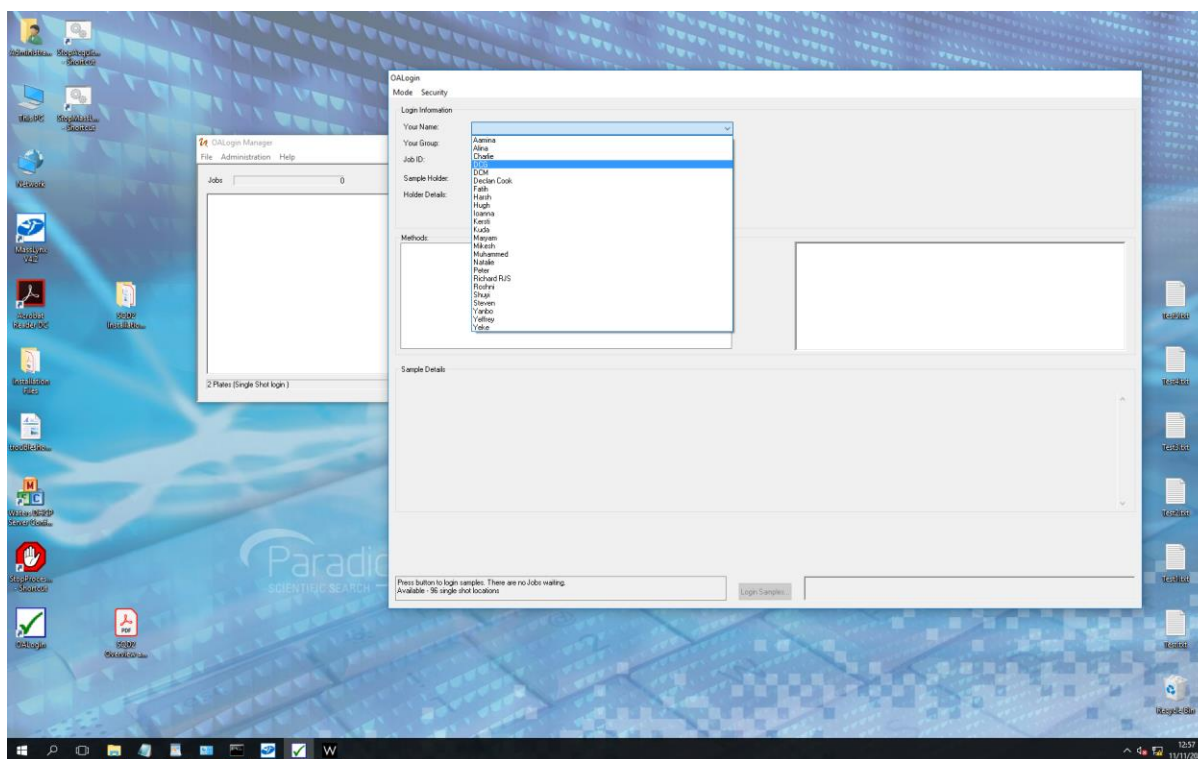
-Check mobile phases, (a) water, 0.1 % formic acid (b) acetonitrile, 0.1 % formic acid then wash solvents (1) weak solvent 10% acetonitrile-90% water (2) strong wash solvent 90% methanol-10%water

-Check the dewar pressure should be higher than 5bar (if not contact mass spec staff)

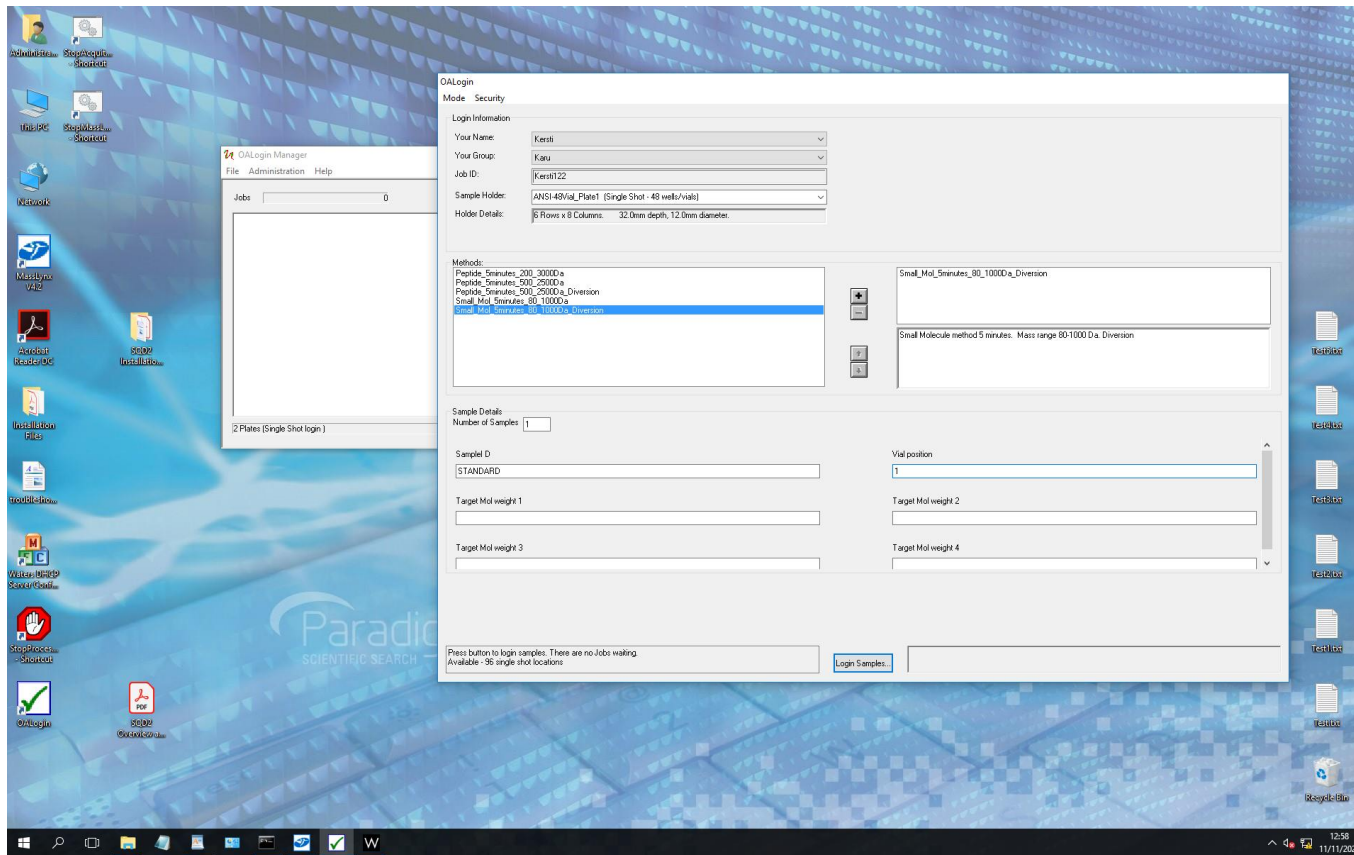
-Submit your samples through OALog-in



-select your name and group



- select SAMPLE holder - Vial Plate 1 or 2



-now select the LC-MS method. The system has two LC columns:- (a) Hypersil GOLD C4, 50 mm x2.1 mm column for peptides and LC-MS method names are Peptide_x, and (b) Acquity UPLC BEH C18, 1.7 μ m, 2.1x50 mm column for small molecules and LC-MS methods are Small Molecules-x.

-after Name your sample and **record your Job ID** (for future information)

-place your sample into the sample tray and record the vial position

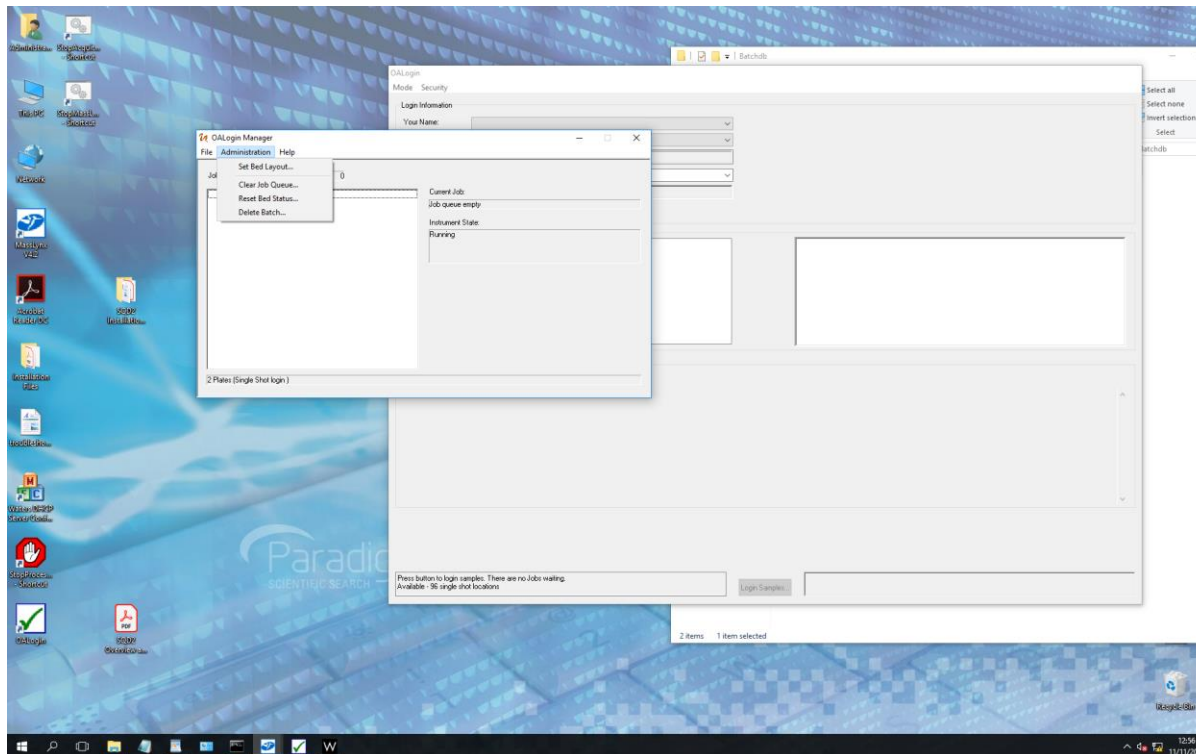
-login samples

The system will automatically switch itself on and equilibrate for 3 min and then will start to analyse your submitted samples

If you would like to submit multiple samples, submit your next samples as above.

If you need to delete your sample from the queue

-select the sample which you like to delete in the OALogin Manager and go to Administrator and delete batch



To check your sample name

-click Chromatogram, select raw data and click **Experiment**

The sample name is written into the method you used.

The screenshot displays the MassLynx software interface. The main window shows a chromatogram with a peak at 1.09 minutes. Overlaid on this is the 'Chromatogram Data Browser' window, which lists several raw data files, including 'Richard RJS31-1.raw'. The 'Experimental Record' window is also open, displaying acquisition parameters such as 'Acquired File Name: Richard RJS31-1', 'Acquired Date: 11-Nov-2021', and 'Acquired Time: 13:44:10'. The interface includes a menu bar (File, View, Run, Help), a toolbar, and a sidebar with instrument control buttons like 'Inlet Method', 'Solvent Monitor', and 'Shutdown'. The status bar at the bottom indicates 'Ready' and 'Shutdown Disabled'.