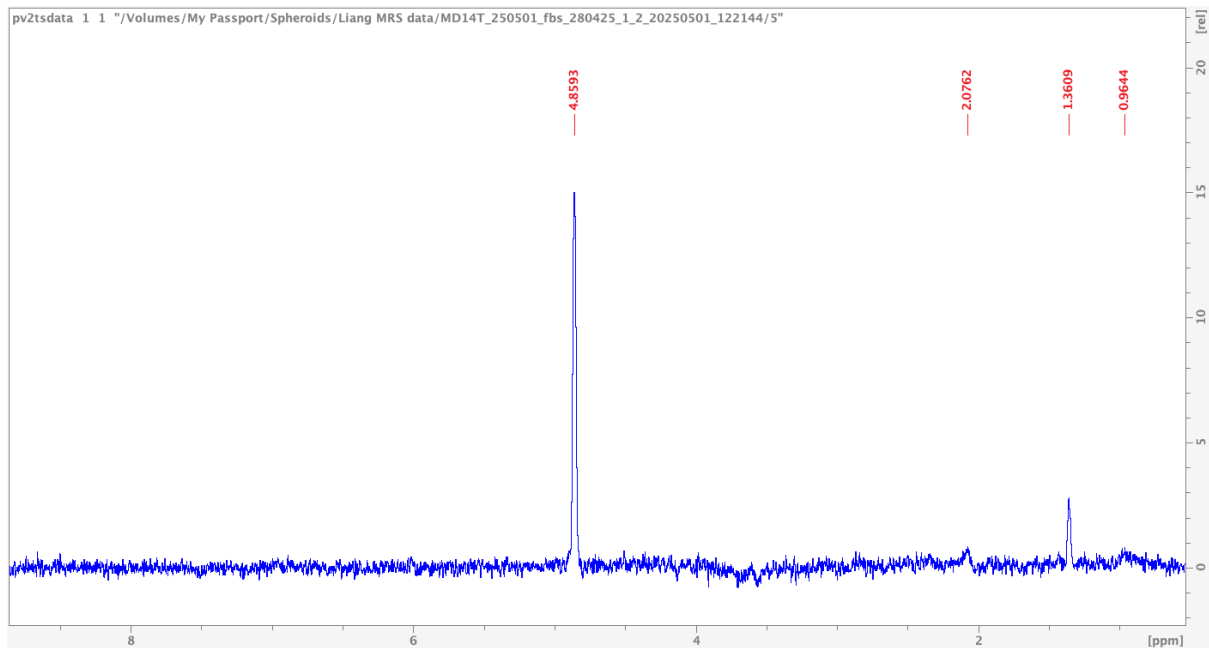
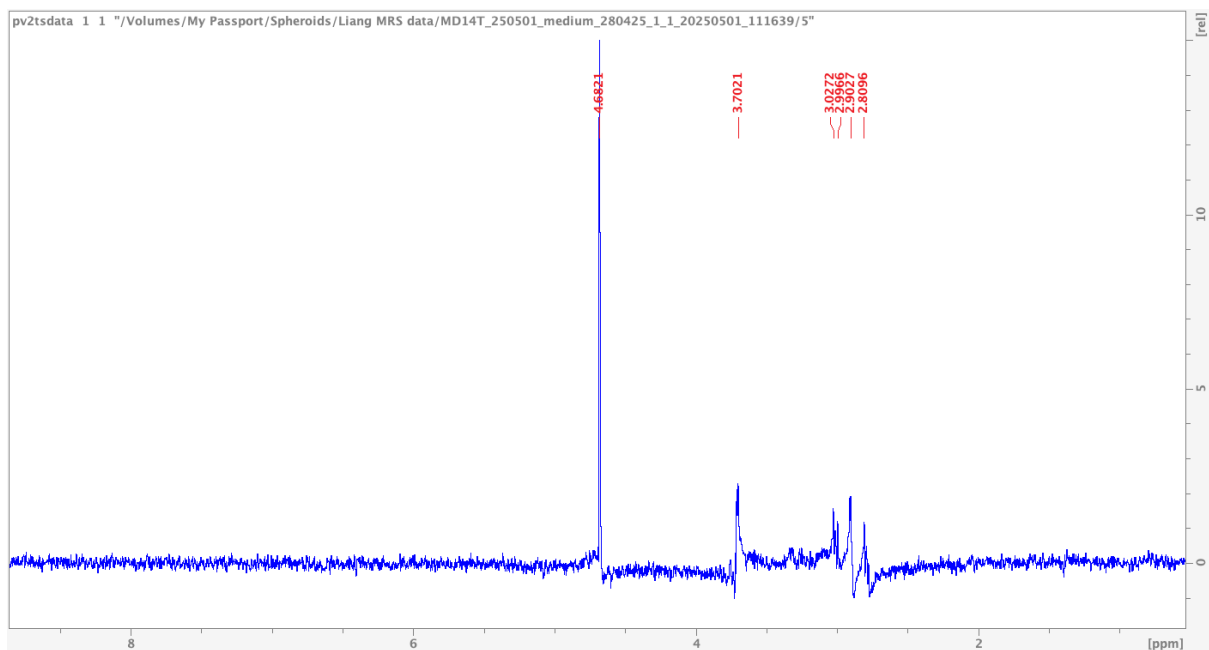


Supplementary material



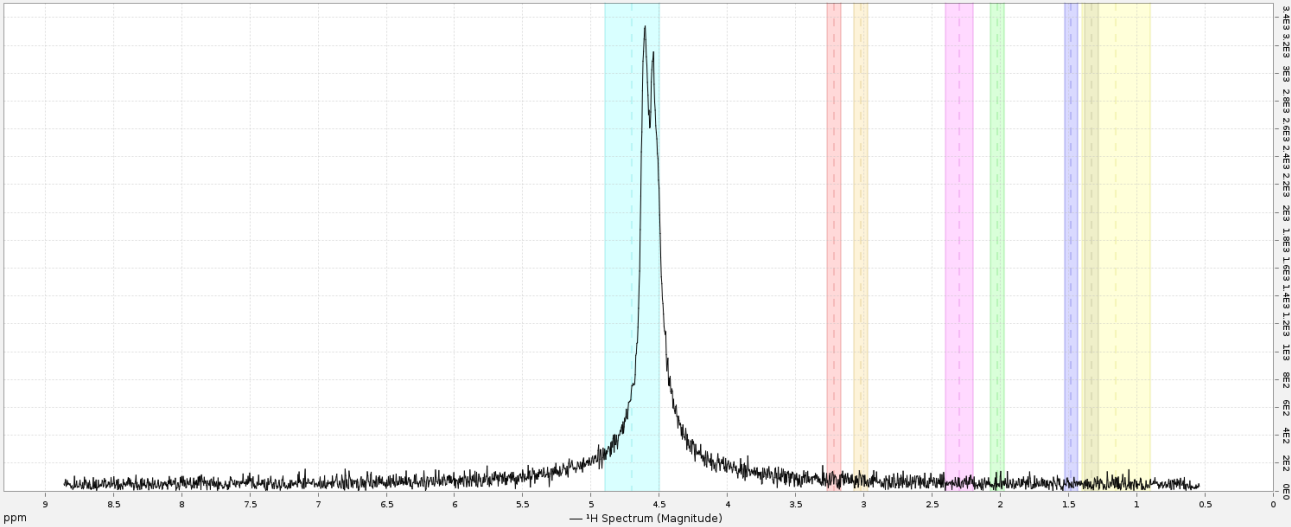
FBS spectra showing a small lipids peak at 1.3ppm



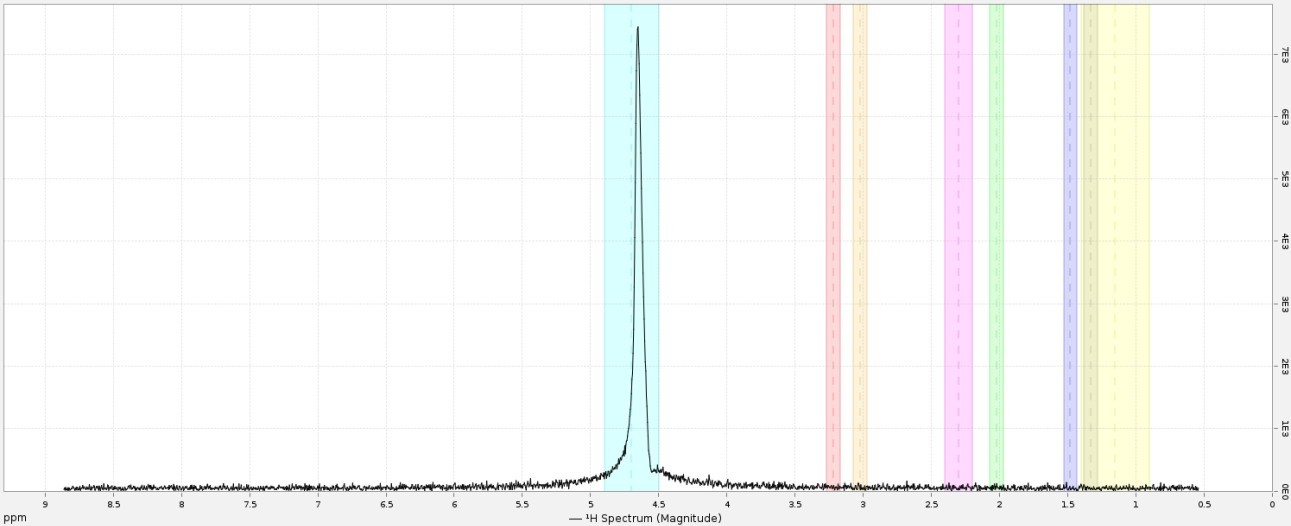
RPMI-1640 culture medium spectra showing a peak at 3.7 ppm, which might be a form of glucose. There are also three peaks from 2.8 to 3.0 ppm, which could be choline.

5k cells PRESS_WS

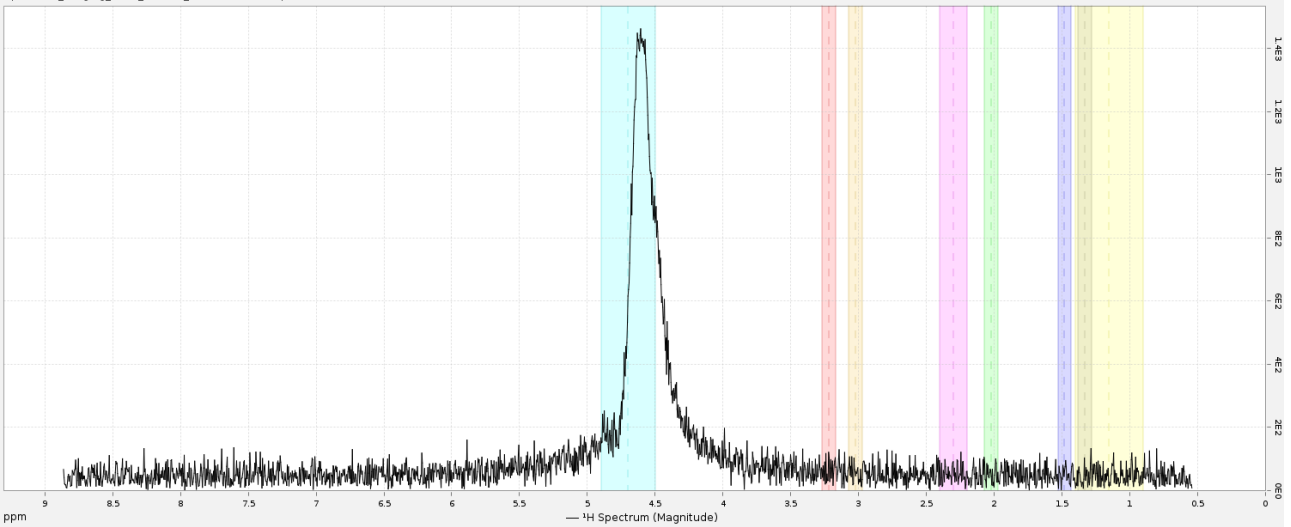
Spheroids_imaging_T47D_S5k/S1_D5/E8/P1 2048 points



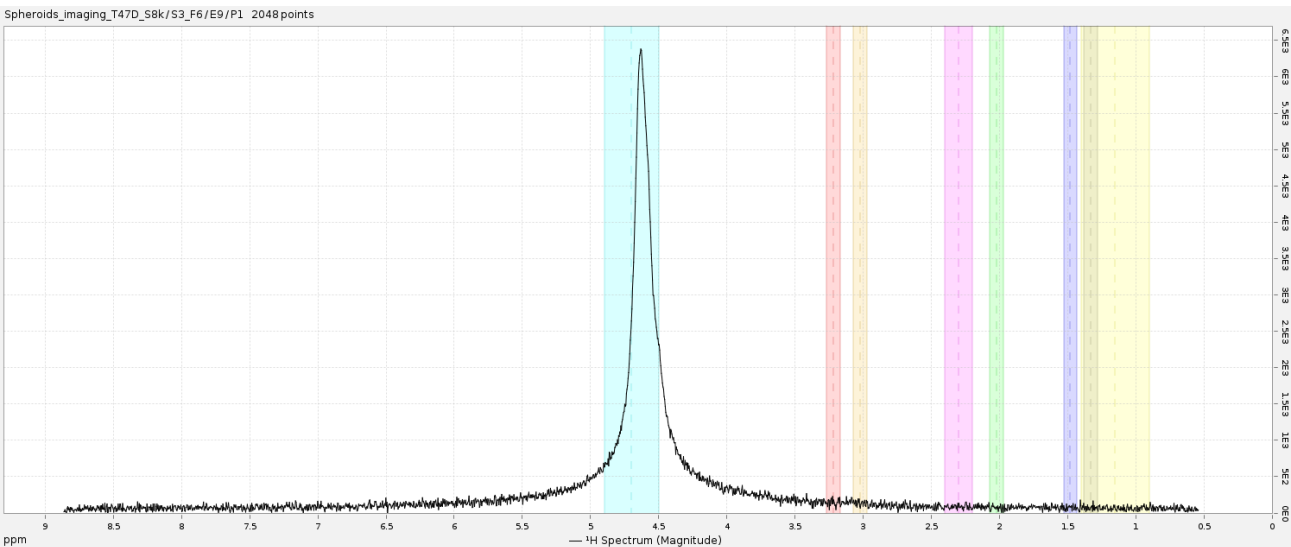
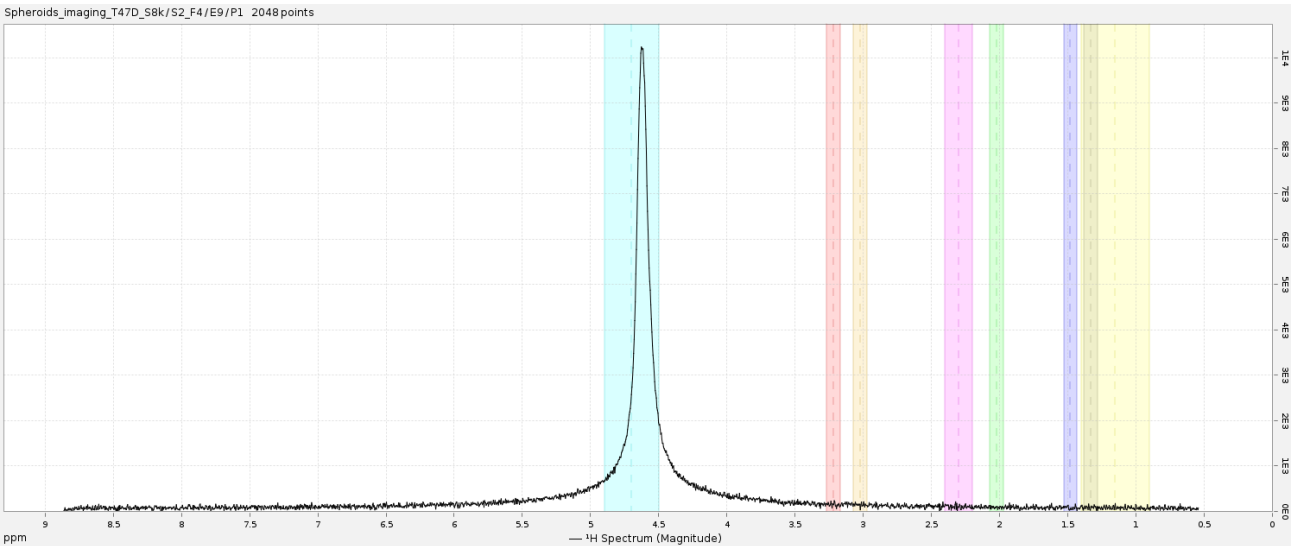
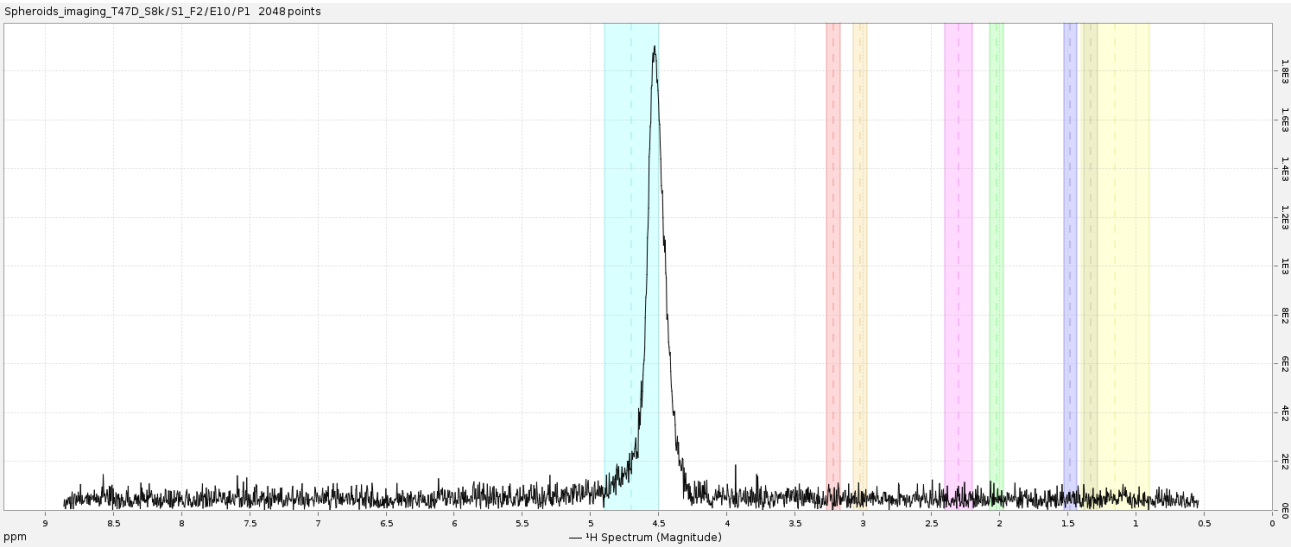
Spheroids_imaging_T47D_S5k/S2_D6/E8/P1 2048 points



Spheroids_imaging_T47D_S5k/S3_D8/E9/P1 2048 points



8k cells PRESS_WS



The MRS spectra from the spheroids in PBS only showed a clear water peak, even after water suppression.