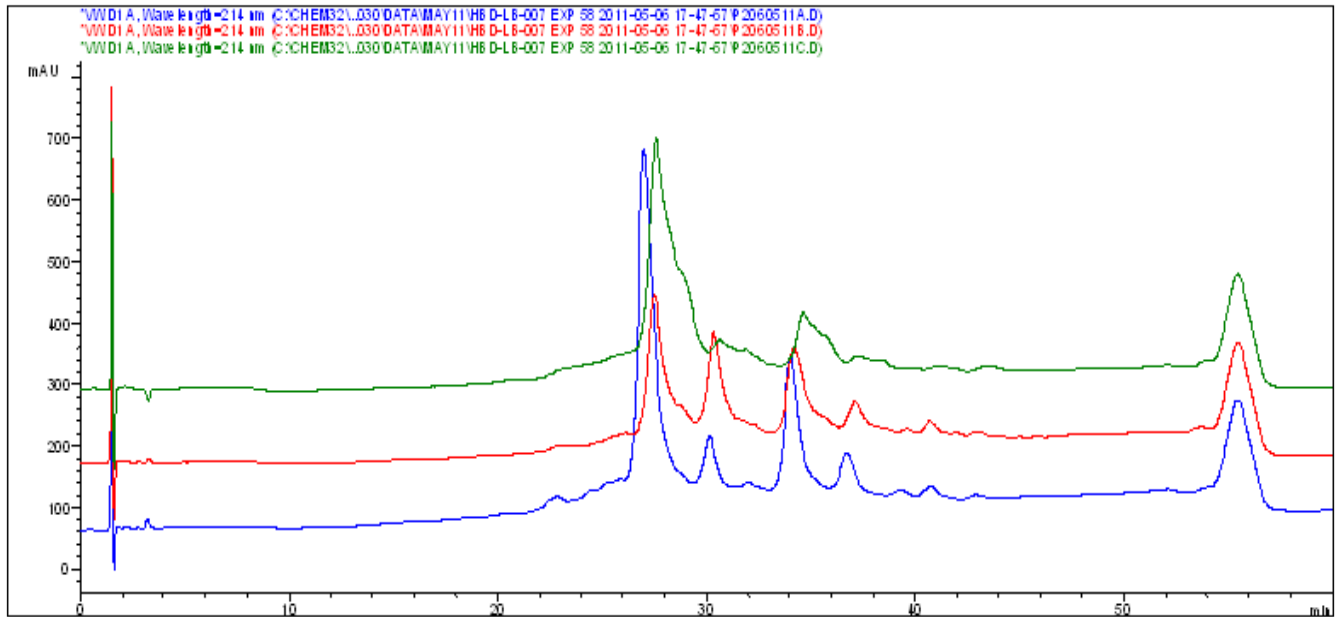
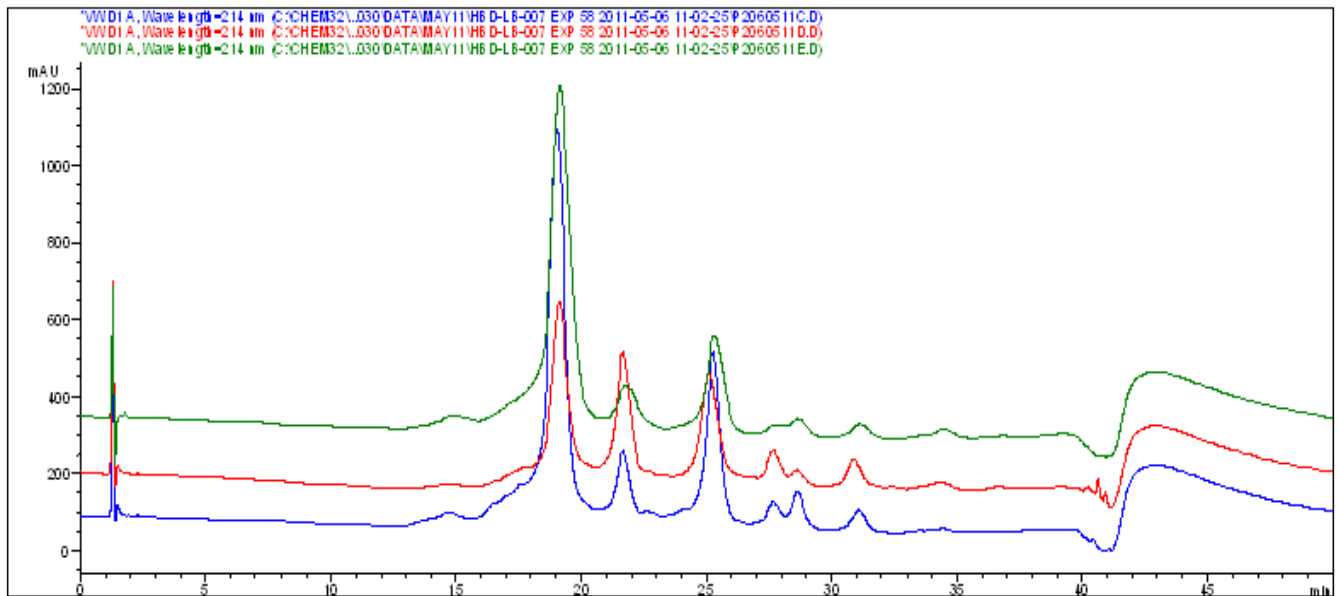


Following are the chromatograms for the IEC run on Column 1



Legend	
Green	Sample 1*
Red	Sample 2*
Blue	Sample 3*

Following are the chromatograms for the IEC run on column 2

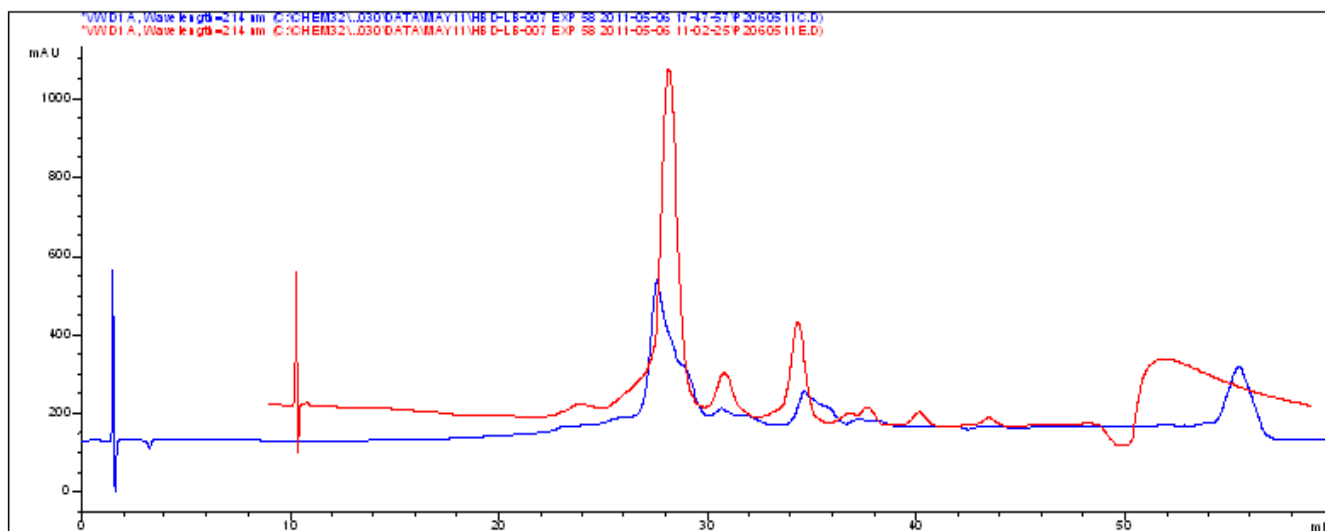


Legend	
Green	Sample 1*
Red	Sample 2*
Blue	Sample 3*

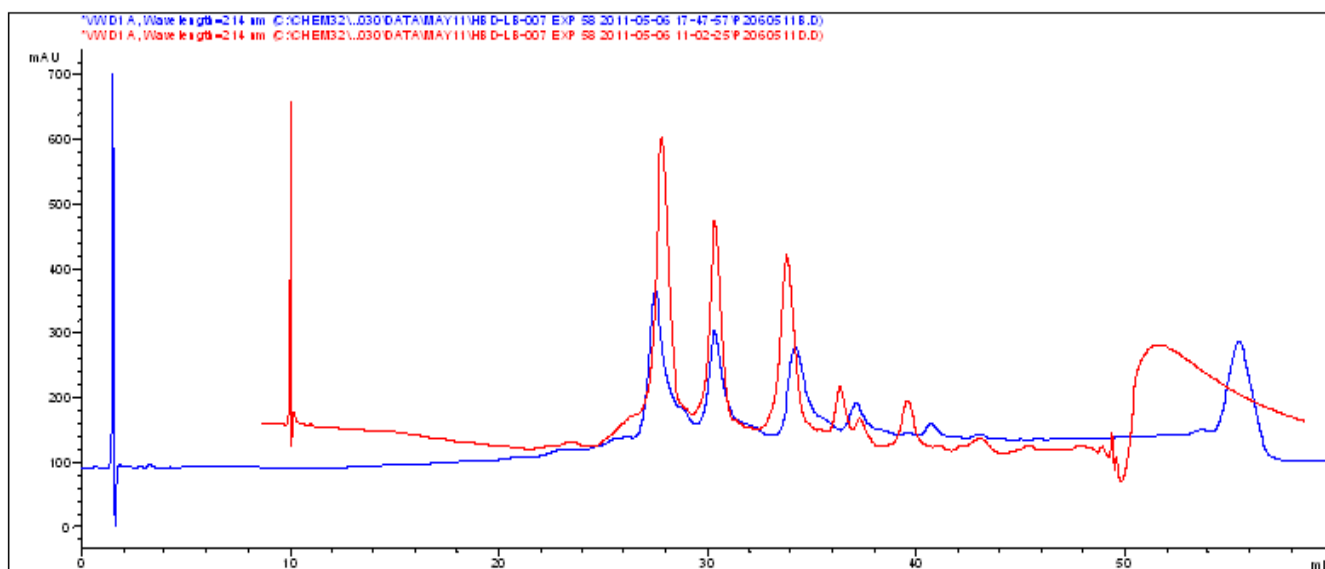
\*Sample 1, 2 and 3 are the same monoclonal antibody molecule from different process

Given below are the individual chromatograms of Sample 1, 2 and 3 on both the columns normalized for retention times (Red – Column 2; Blue – Column 1)

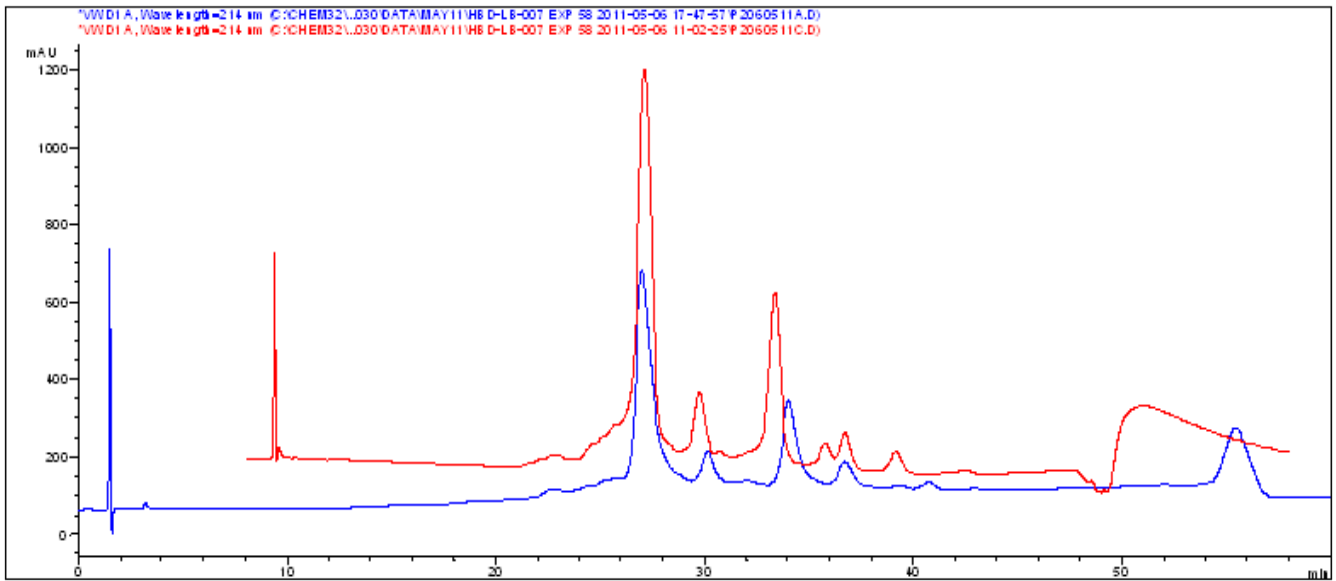
### Sample 1



### Sample 2



### Sample 3



### Query

Sample 2 and 3 give similar peak profiles if we normalize the peak height and retention time variation which is due to the different dimensions of the two columns.

But Sample 1 gives a completely different profile in both the columns. Which one is more reliable and why???