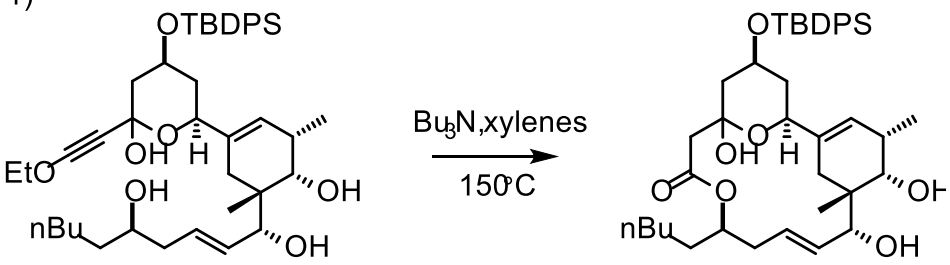
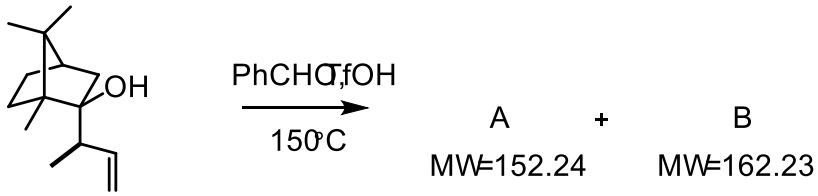
Spivey Group problems- March 2018

Please suggest a mechanism for the following transformations, taking into account any stereochemistry.

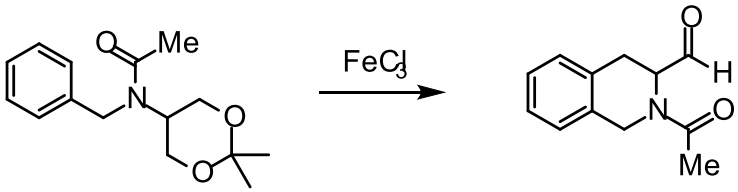
1)



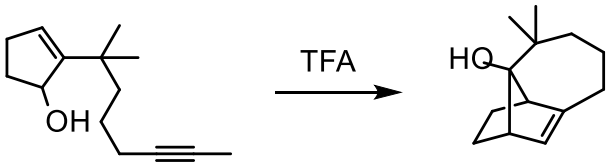
2)



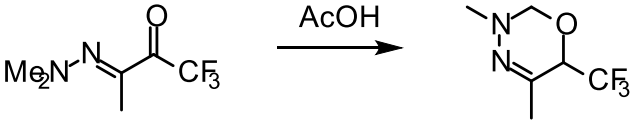
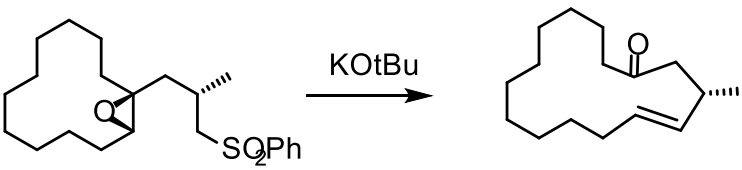
3)



4)



5)



6)