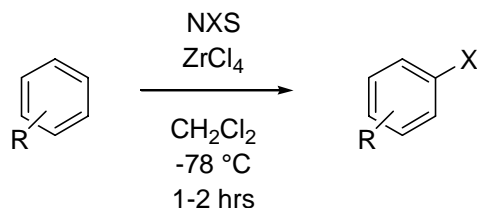
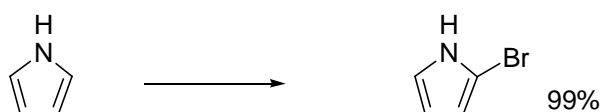
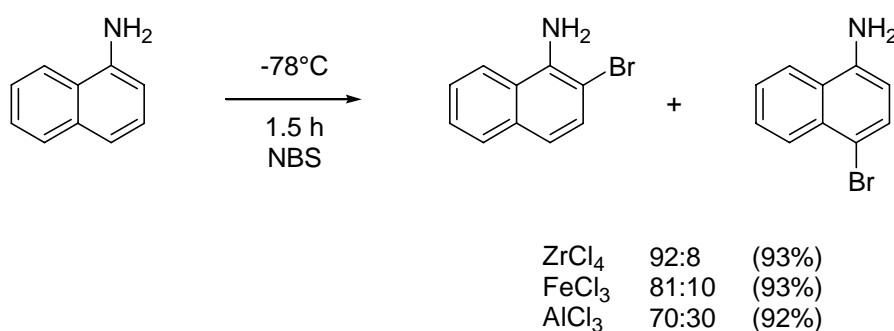


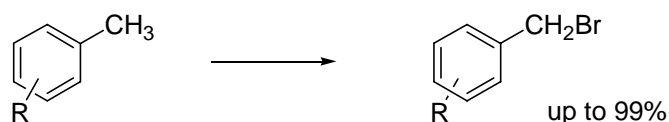
Lewis Acid Catalysed Selective Halogenation of Aromatics Using NXS (X=Cl, Br, I)



Zirconium tetrachloride and other Lewis acids, such as FeCl_3 , AlCl_3 , promote the halogenation of aromatics with N-halo succinimides (Y Zhang et al, *SynLett*, **2005**, 18, 2837-2892). The examples chosen are often electron-rich aromatics, where direct halogenation may give mixtures.



Toluene only gives benzyl bromide, or if two equivalents of NBS are used benzal dibromide.



Fluorination occurs with N-fluoro benzene sulphonamide (NFSI).

