

Answers to Problem 59, Chemistry 301X -2006

(a) HBr

(b) 1. TsCl 2. $(\text{CH}_3)_3\text{C O}^-$ 3. HBr

(c) 1. Li (or Mg) + product from (a) or (b) 2. H_2O

(d) 1. NaH 2. CH_3I