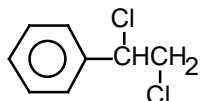


Arene and Aromatic Synthesis Problems

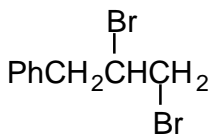
Name each of the following compounds using any acceptable method. Show a synthesis for each of the following compounds. The starting materials include alkyl halides, alkenes, alkynes of 5C or less, cyclic monosubstituted molecules, benzene, phenol, aniline, toluene and inorganic reagents.

a)



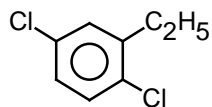
1,2-dichloro-1-phenylethane

b)



1,2-dibromo-3-phenylpropane

c)



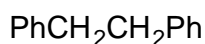
1,4-dichloro-2-ethylbenzene

d)



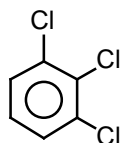
1,1,2,2-tetradeutero-3-phenylpropane

e)



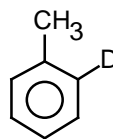
1,2-diphenylethane

f)



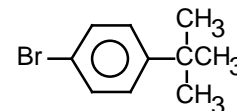
1,2,3-trichlorobenzene

g)



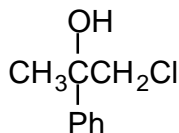
o-deuterotoluene

h)



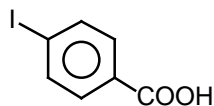
p-bromo-tbutylbenzene

i)



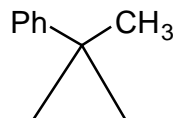
1-chloro-2-hydroxy-2-phenylpropane

j)



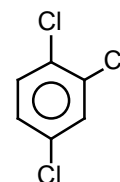
p-iodobenzoic acid

k)



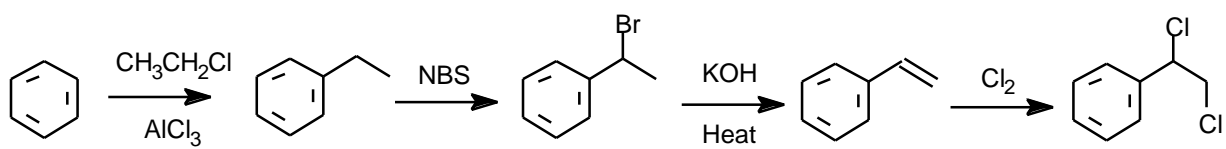
1-phenyl-1-methylcyclopropane

l)

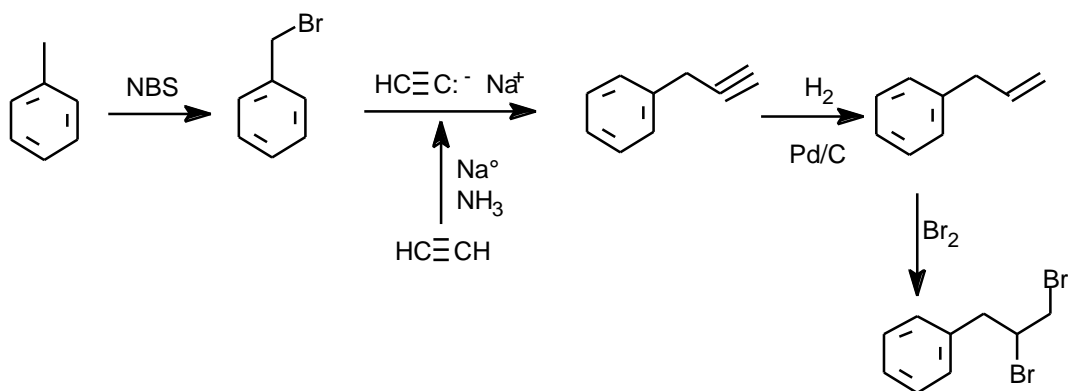


1,2,4-trichlorobenzene

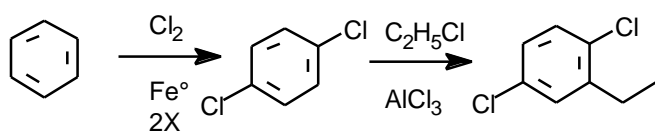
a)



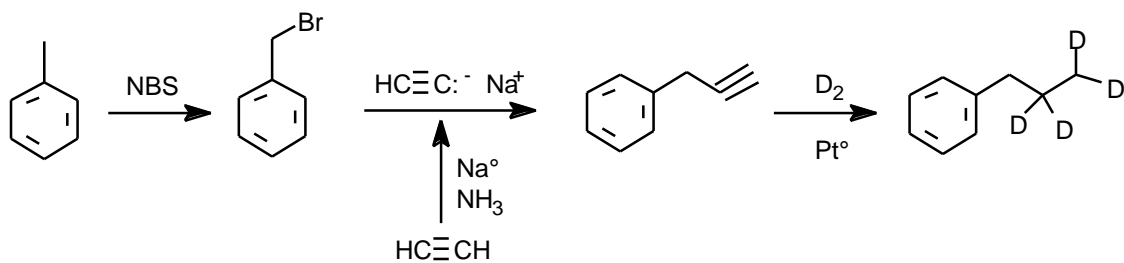
b)



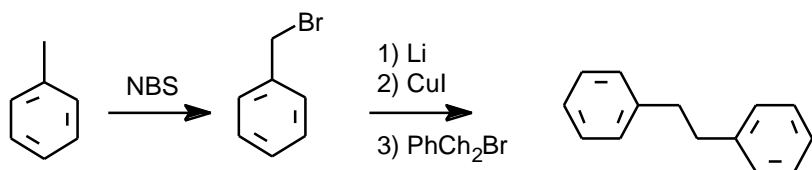
c)



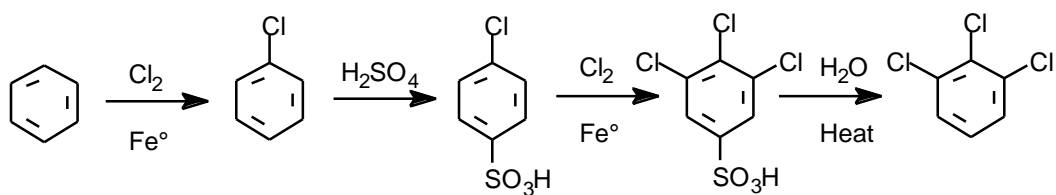
d)



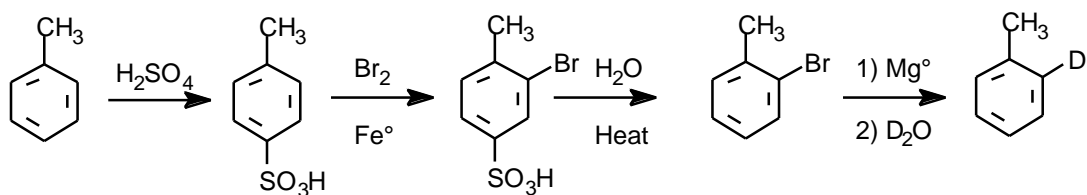
e)



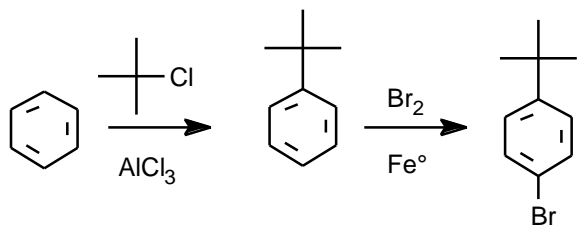
f)



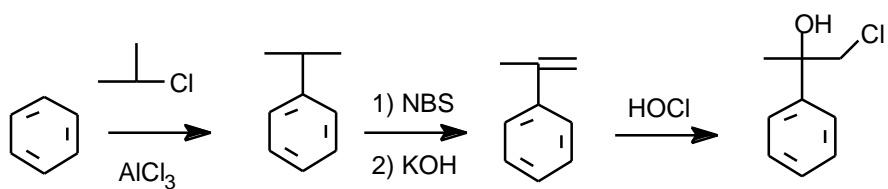
g)



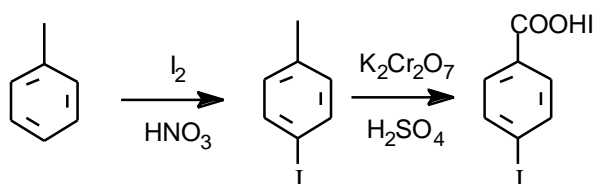
h)



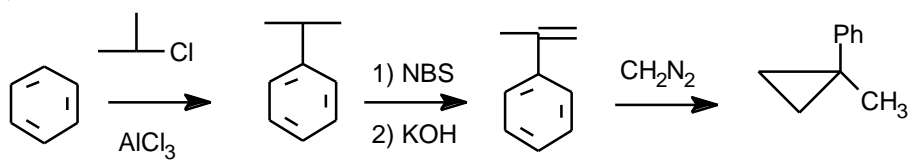
i)



j)



k)



l)

