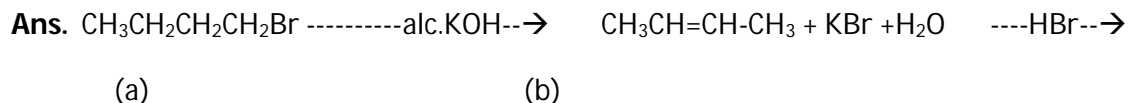


Statement Question from Alkyl Halide & Aryl halide

Q1. Primary alkyl halide (C₄H₉Br) reacted with **alcoholic** KOH to give compound (b) .

The compound (b) is reacted with HBr to give compound(c) which is an isomer of (a).When (a) is reacted with Na metal it gives compound(d), C₈H₁₈ .Give the structural formula of (a) and write the equation for all the reactions.

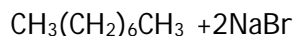
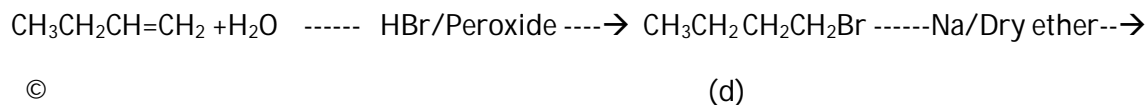
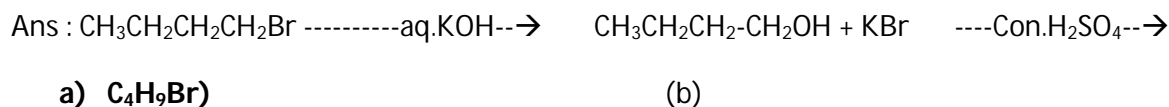


(c) it is isomer of (a) (d)

The structural formula of (a) is : CH₃CH₂CH₂CH₂Br

Q2. Primary alkyl halide (C₄H₉Br) reacted with **aqueous** KOH to give compound (b) .

The compound (b) is reacted with con.H₂SO₄ to give compound(c) which is an alkene with molecular formula C₄H₈.When (c) is reacted with HBr & peroxide it gives compound(d), C₄H₉Br . Compound (d) on reaction with Na /Dry ether give rise to compound with molecular formula C₈H₁₈ (e) .Write the equation for all the reactions.



(e) Molecular formula C₈H₁₈

