

Question 20. Phenol can be distinguished from ethanol by the reactions with

(a) Br_2/water (b) Na

(c) Neutral FeCl_3 (d) All of these

Solution: (a, c) Phenol reacts with bromine water to give a colourless tribromo derivative and gives a violet coloured complex with FeCl_3 . Ethanol does not give these reactions.