

Which of the following pair is expected to exhibit same colour in solution? (2005, 1M)

- (a) VOCl_2 ; FeCl_2 (b) CuCl_2 ; VOCl_2
(c) MnCl_2 ; FeCl_2 (d) FeCl_2 ; CuCl_2

In CuCl_2 , Cu^{2+} has d^9 configuration, exhibit $d-d$ transition and show colour. Similarly in VOCl_2 , V^{4+} has d^1 configuration, can exhibit $d-d$ transition and show colour.