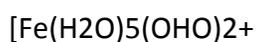
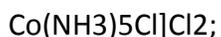
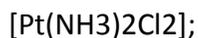


## Answer on Question #43512 - Chemistry - Inorganic Chemistry

### Question:

give the IUPAC name of each of the following coordination compounds:



### Answer:

$[\text{Pt}(\text{NH}_3)_4\text{Cl}_2]$  – tetraamminedichloroplatinum(II)

$[\text{Pt}(\text{NH}_3)_2\text{Cl}_2]$  – diamminedichloroplatinum(II)

$\text{K}_2[\text{PtCl}_6]$  – Potassium hexachloroplatinate(IV)

$[\text{Co}(\text{NH}_3)_5\text{Cl}]\text{Cl}_2$  – chloropentammincobalt(III) chloride

$\text{K}_2[\text{Co}(\text{H}_2\text{O})(\text{CN})_5]$  – potassium pentacyanoaquacobaltate(III)

$[\text{Fe}(\text{H}_2\text{O})_5(\text{OH})]^{2+}$  – hydroxopentaaquairon(III) ion