

Supplementary Information

Synthesis, spectral characterizations, antioxidant, and antibacterial studies of novel Schiff base and its metal complexes

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Spectras of Synthesized Compounds

Sample code: 1.3 Ligand
13C NMR
VARIAN 400MHz NMR
Solvent: dmsd
Date: May 9 2025

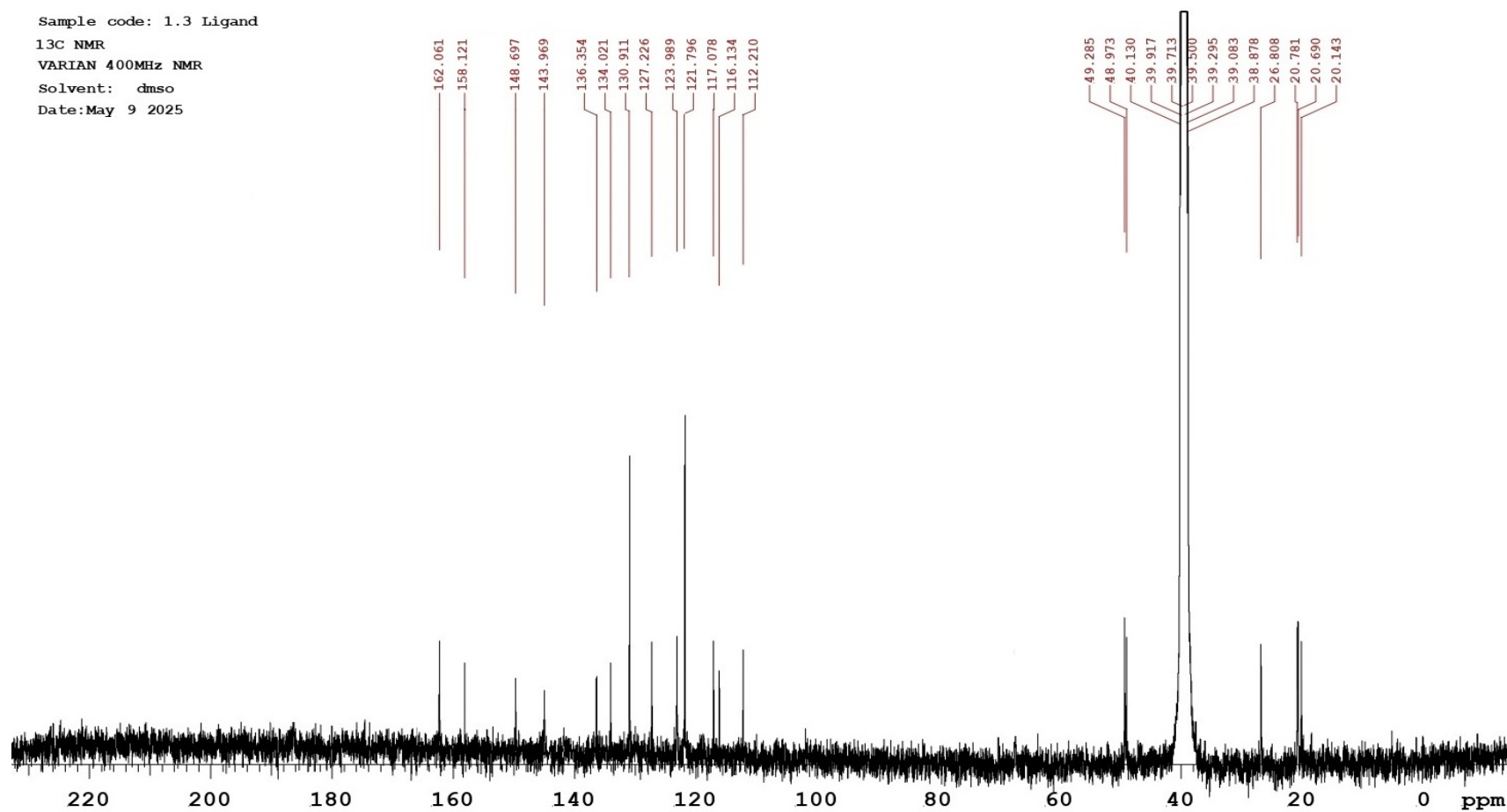


Fig 6. 13C NMR spectra of ligand (1.3)

INFRARED SPECTRUM

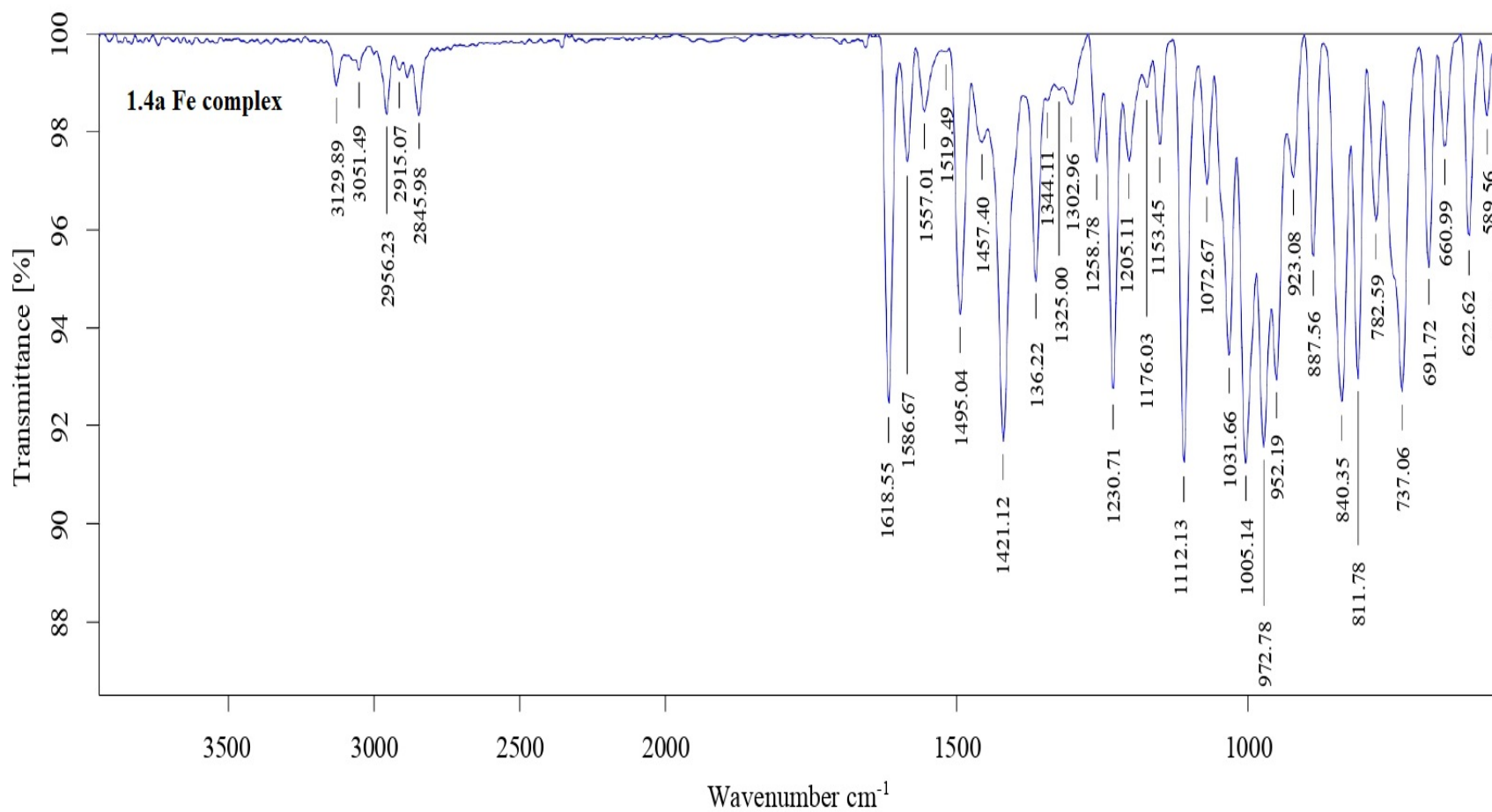


Fig 7. IR spectra of Fe complex (1.4a)

INFRARED SPECTRUM

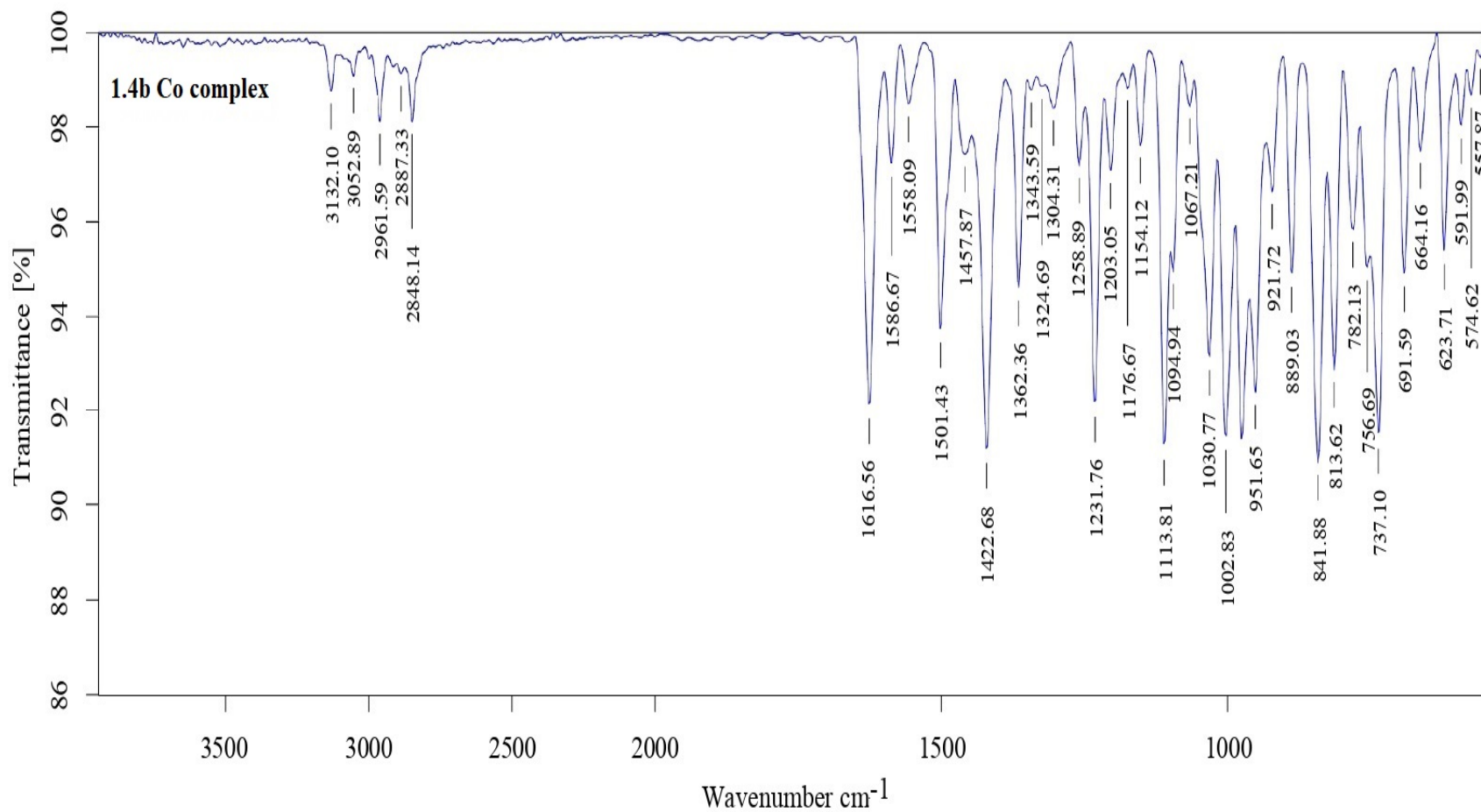


Fig 8. IR spectra of Co complex (1.4b)

INFRARED SPECTRUM

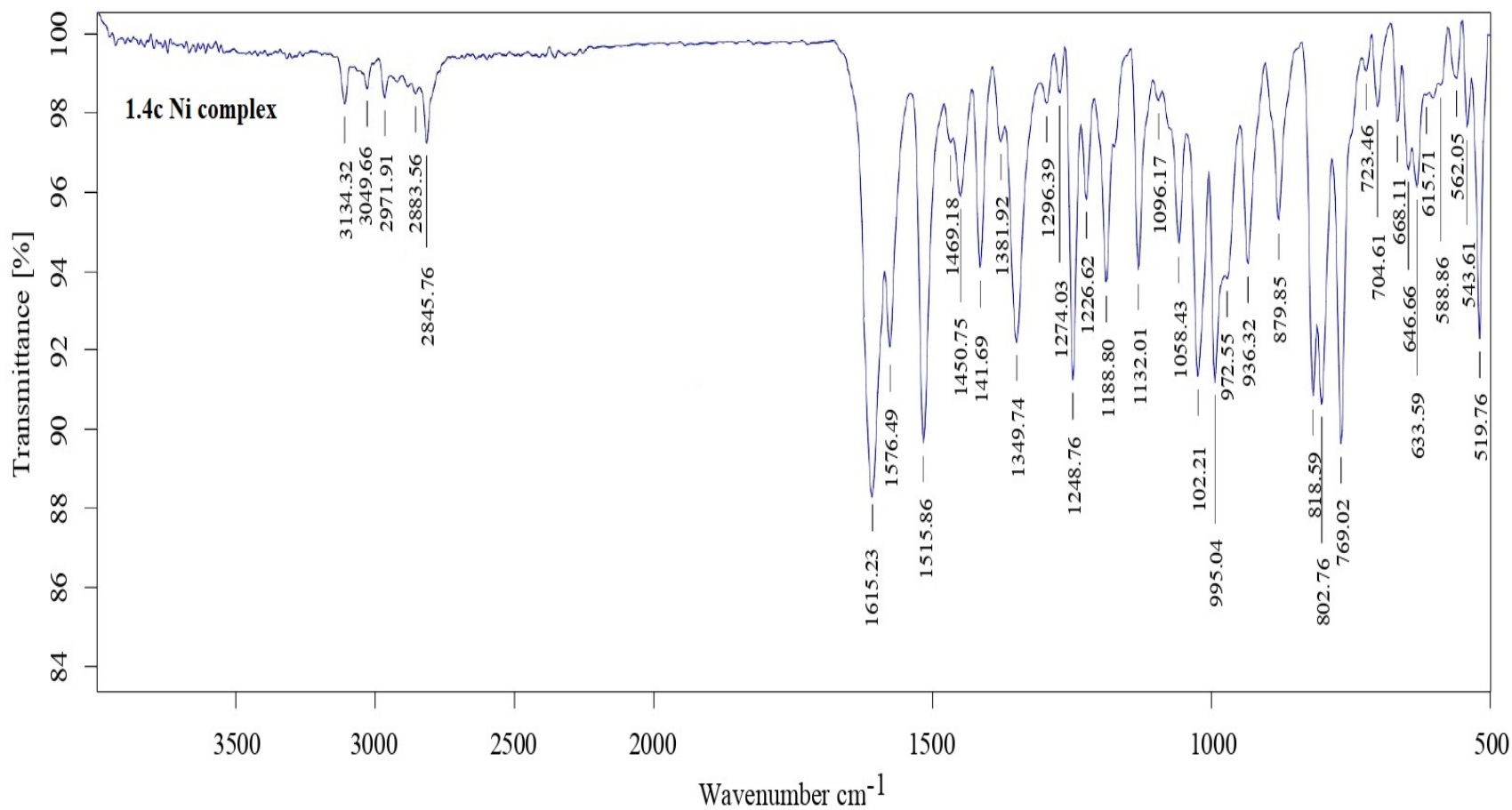


Fig 9. IR spectra of Ni complex (1.4c)

Accu Analytical

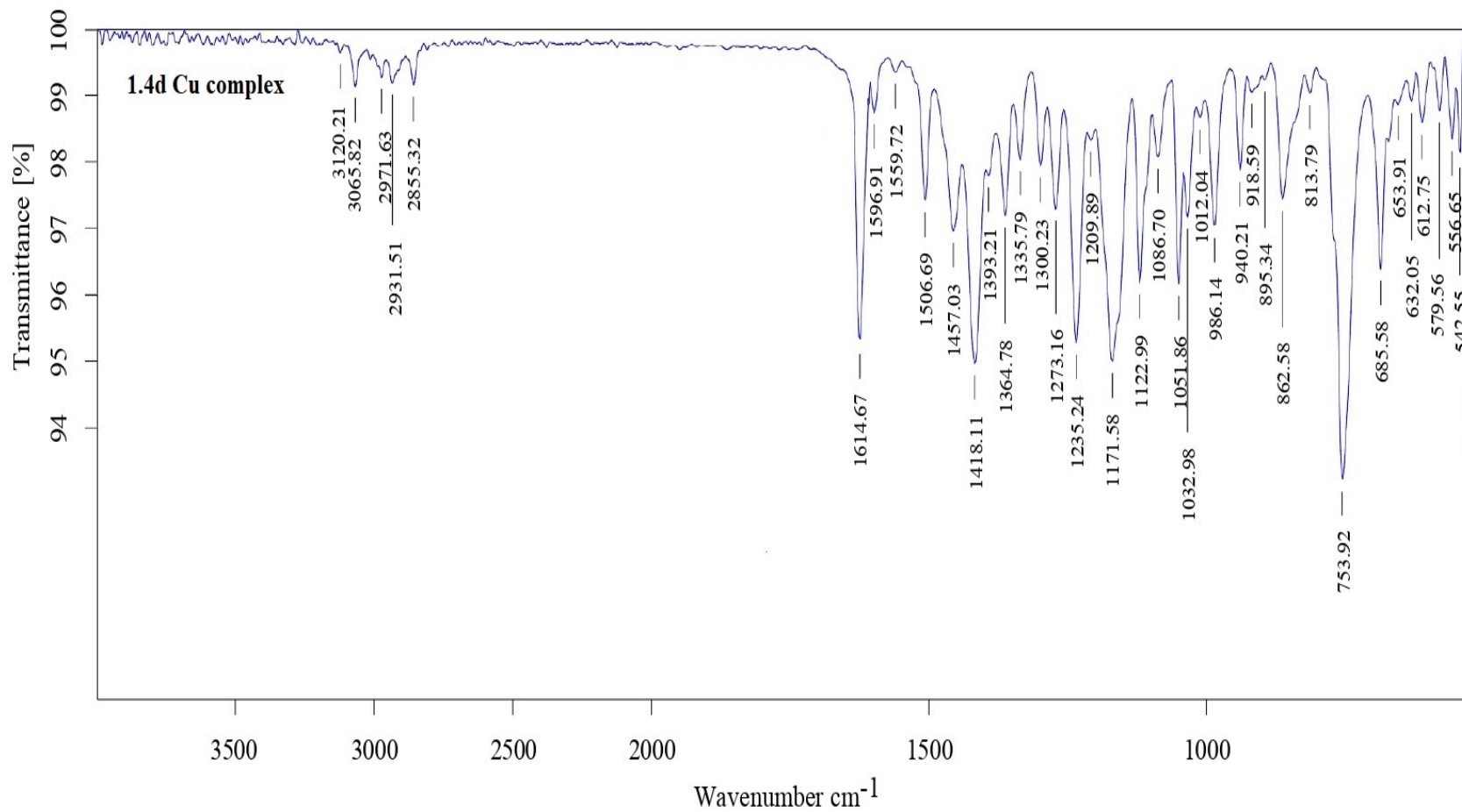


Fig 10. IR spectra of Cu complex (1.4d)

Accu Analytical

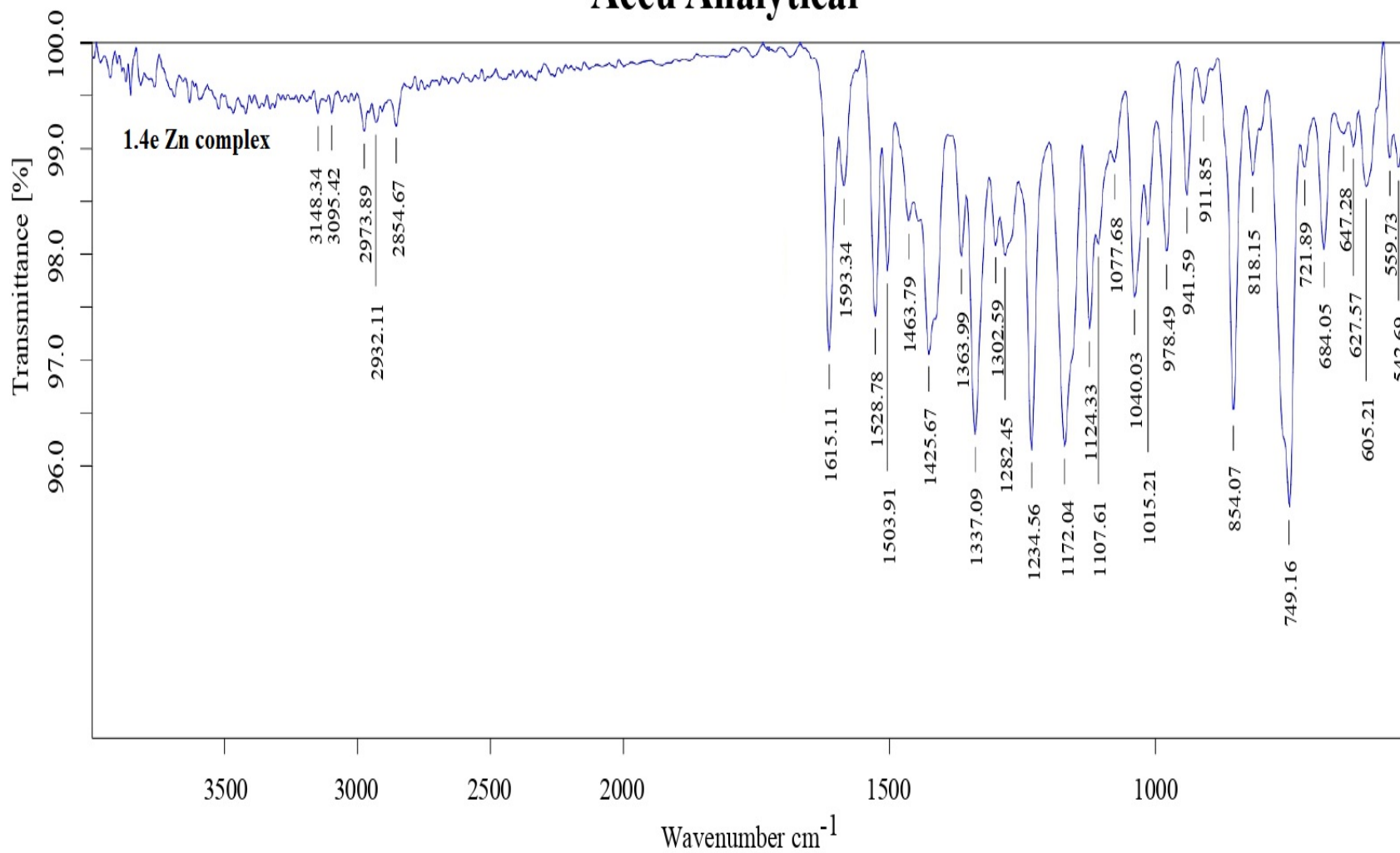


Fig 11. IR spectra of Zn complex (1.4e)

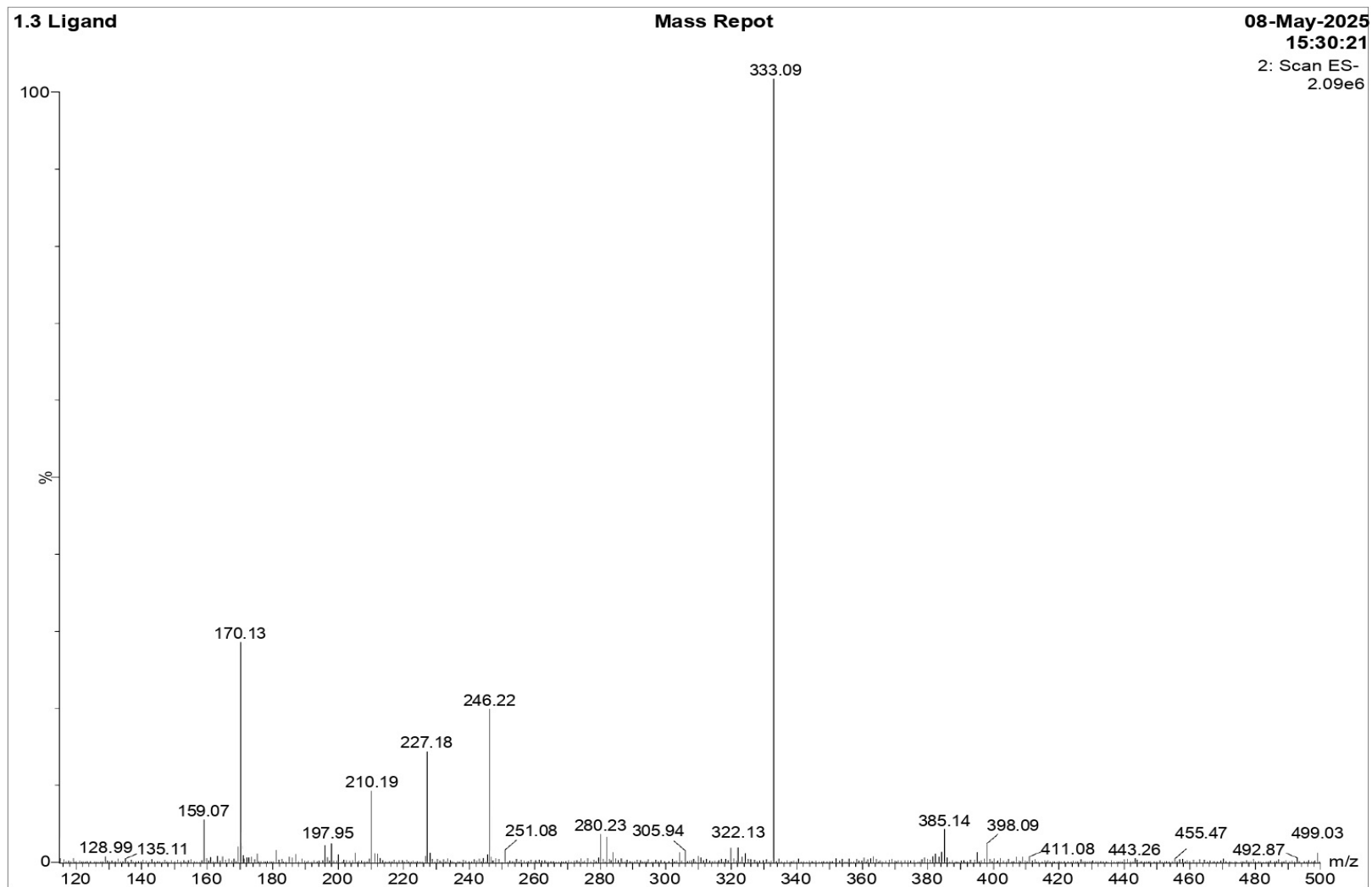


Fig 12. Mass spectra of ligand (1.3)

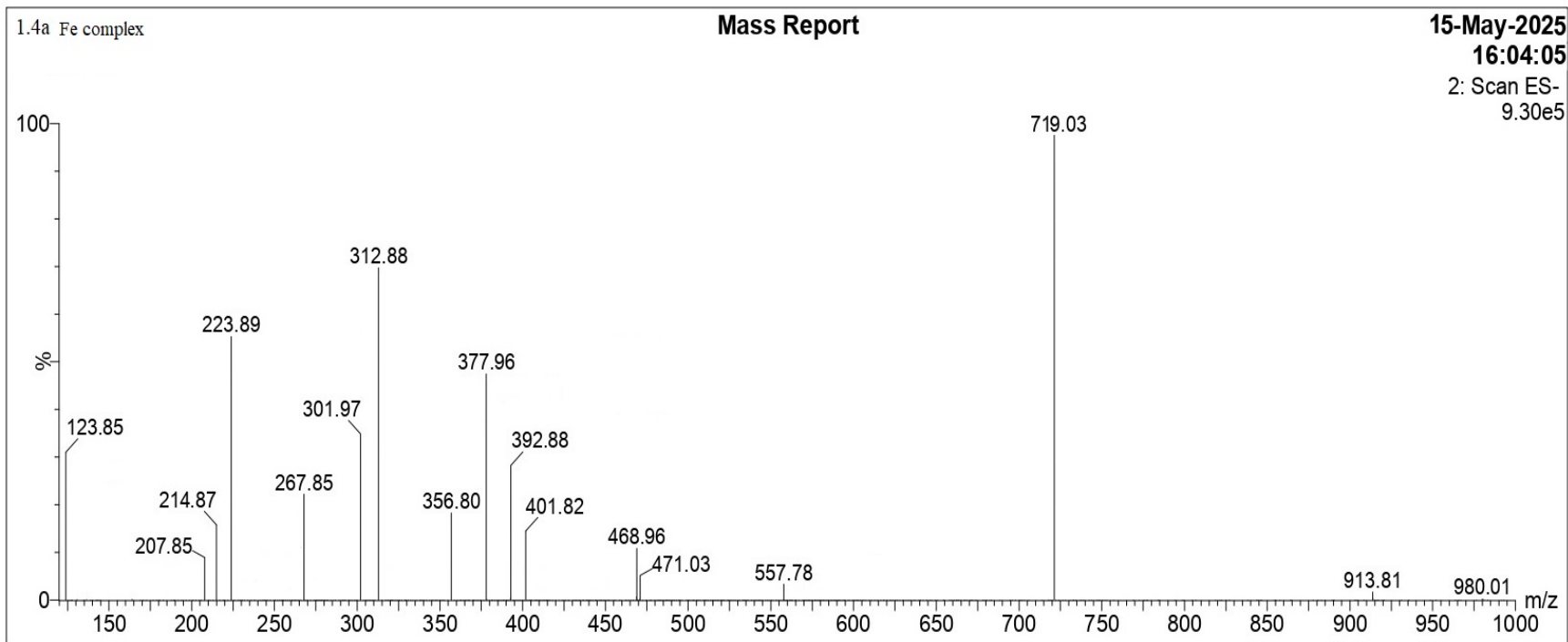


Fig 13. Mass spectra of Fe complex (1.4a)

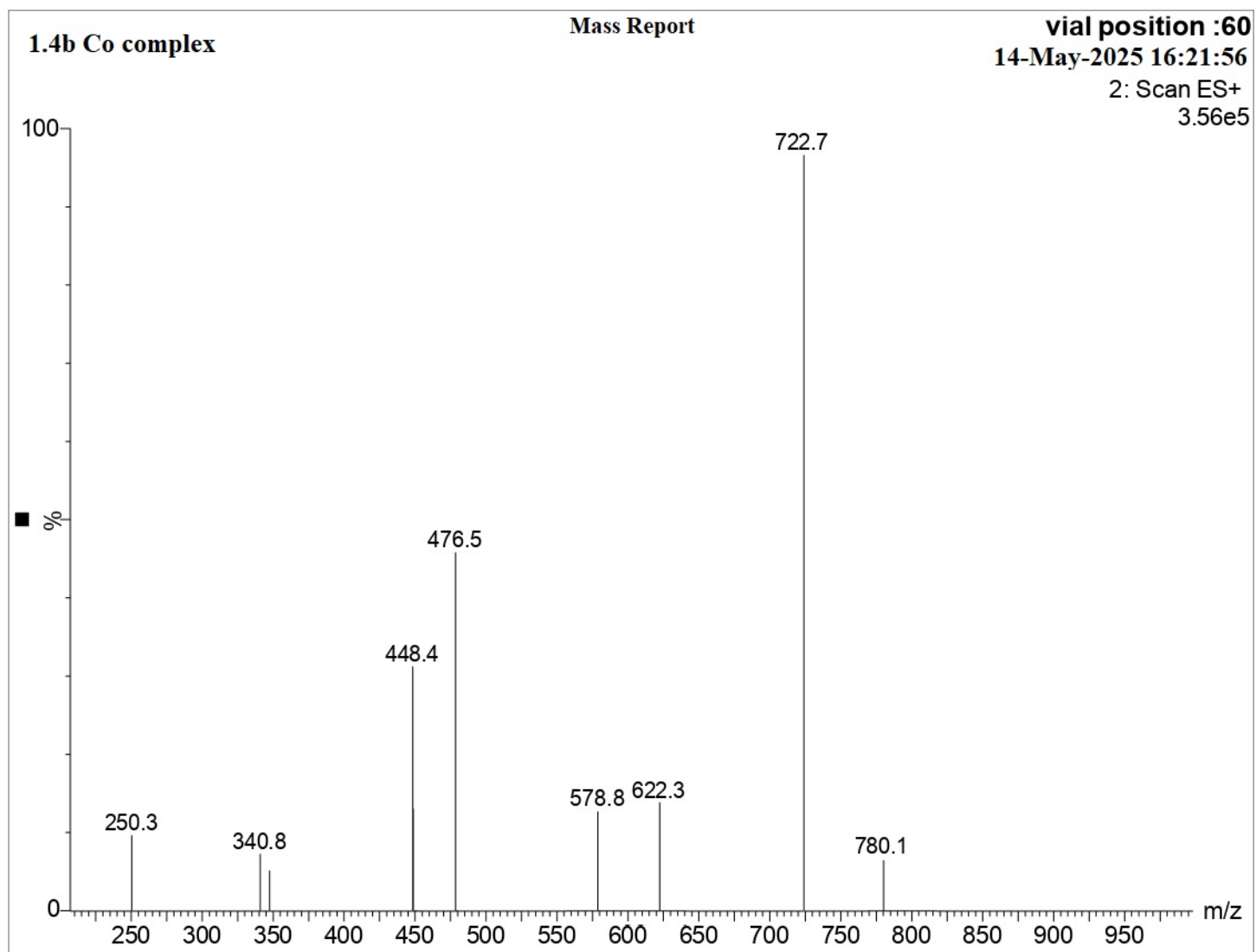


Fig 14. Mass spectra of Co complex (1.4b)

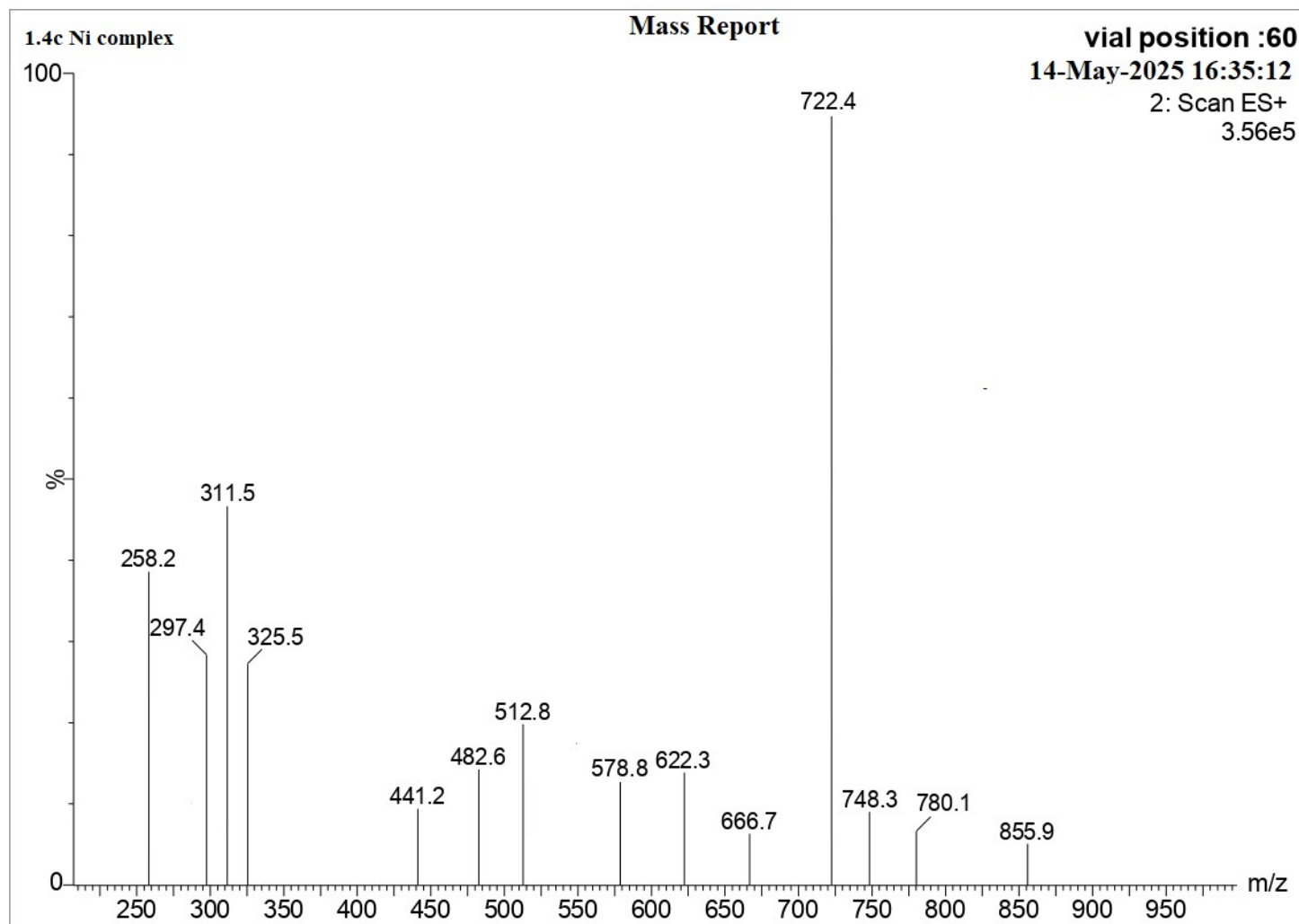


Fig 15. Mass spectra of Ni complex (1.4c)

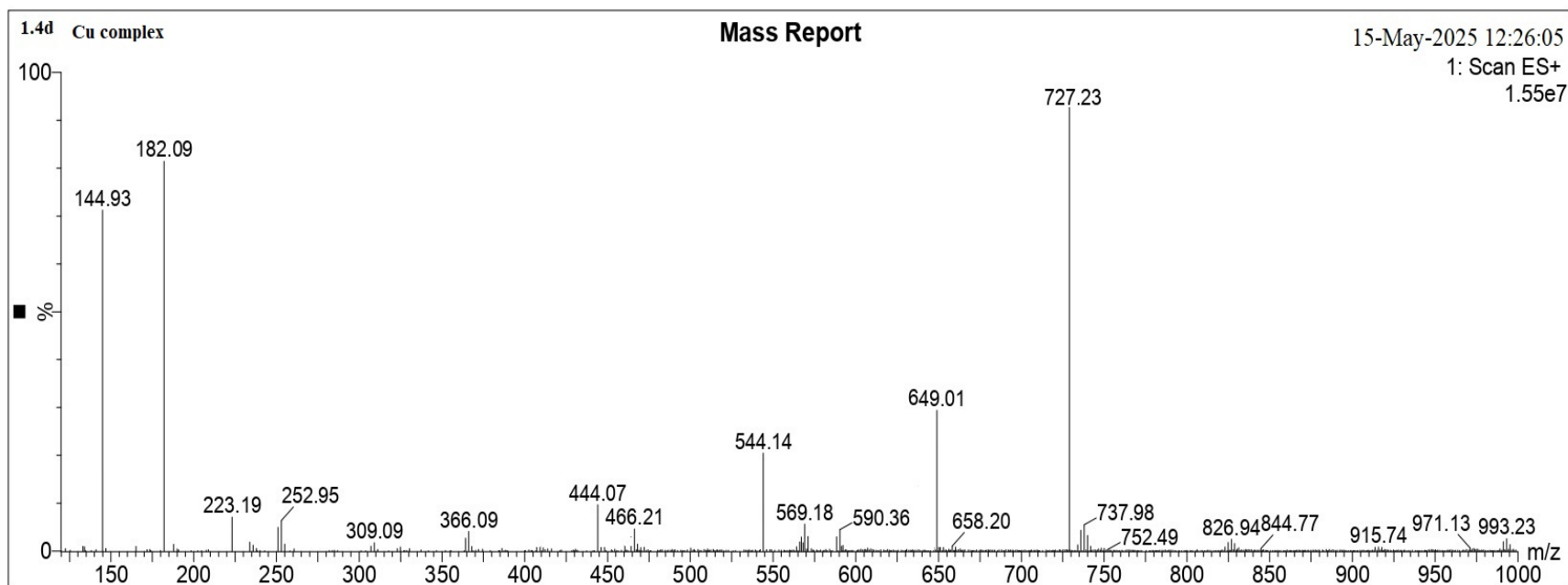


Fig 16. Mass spectra of Cu complex (1.4d)

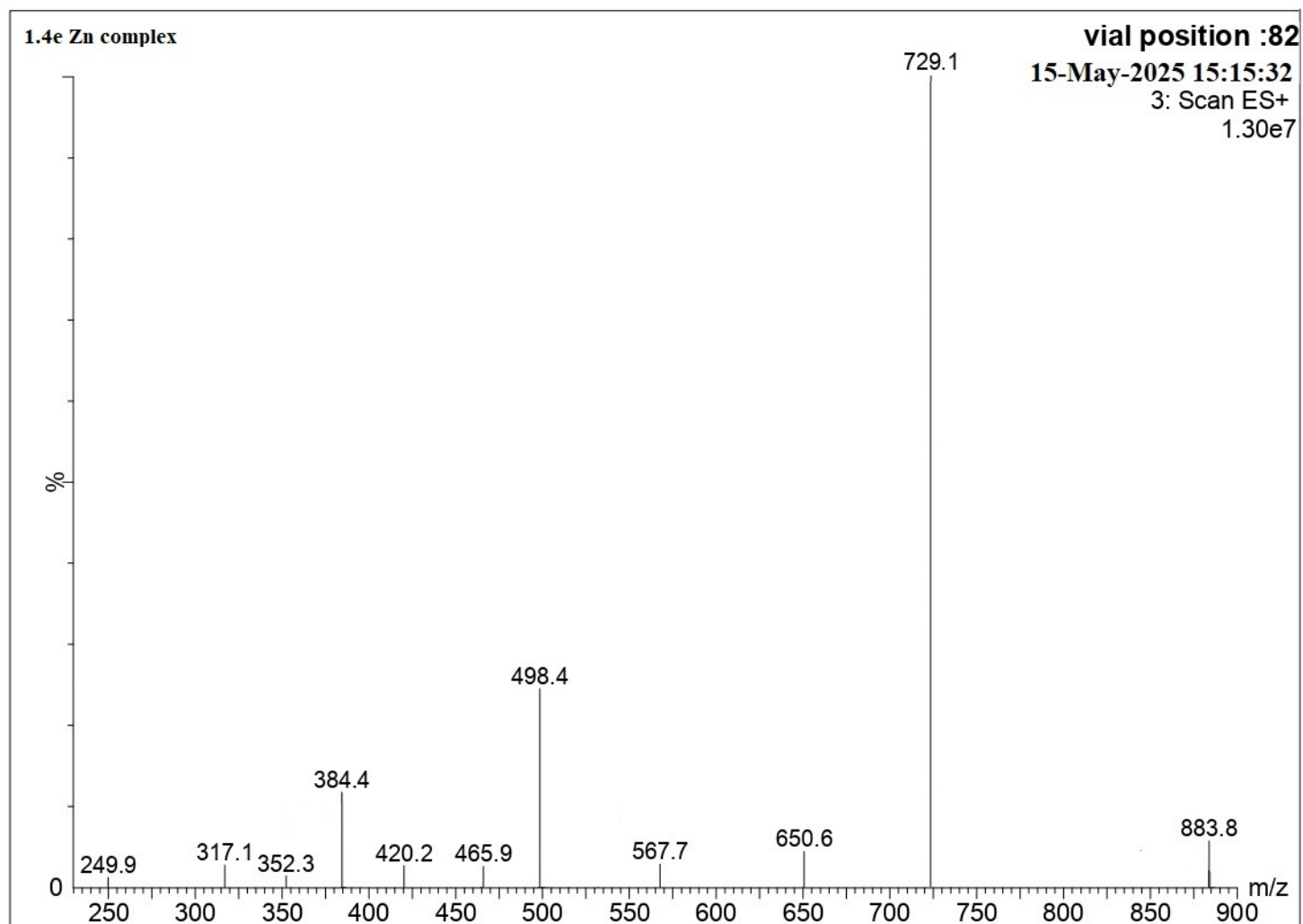


Fig 17. Mass spectra of Zn complex (1.4e)