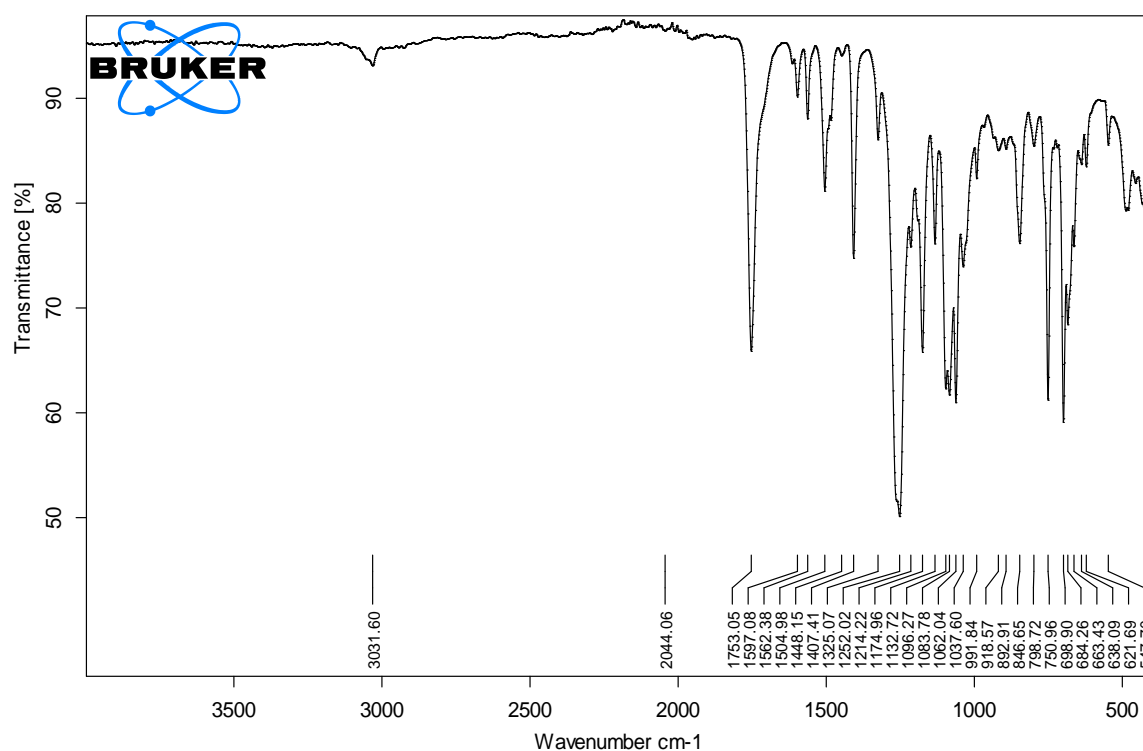
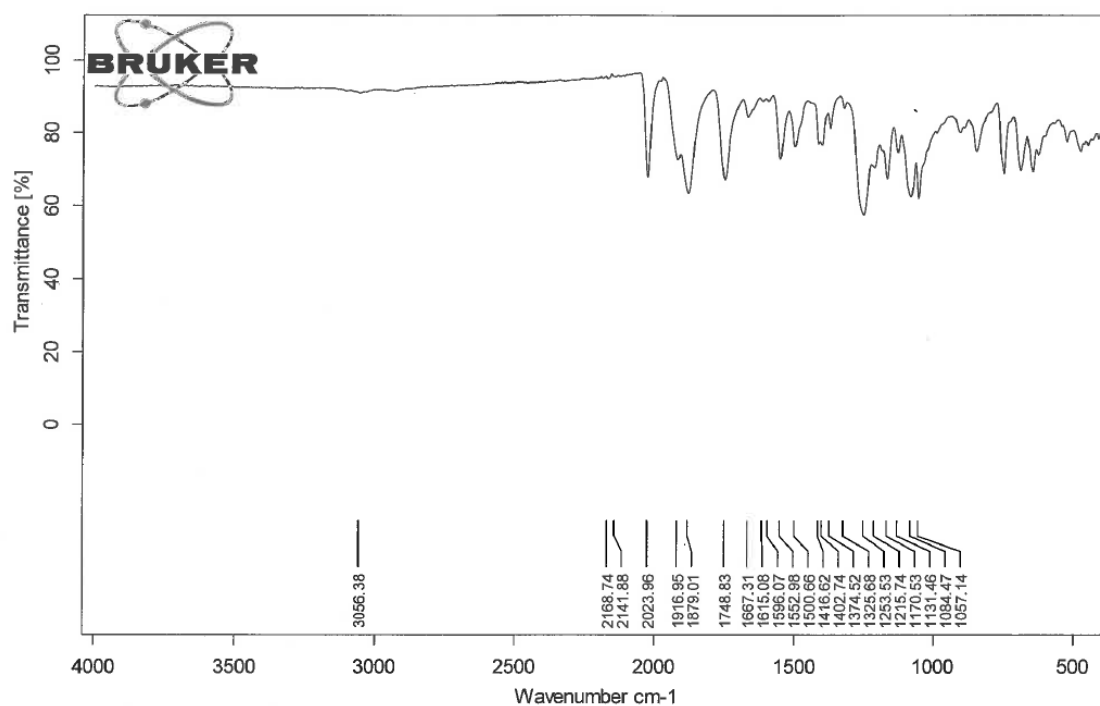


Infrared spectroscopy

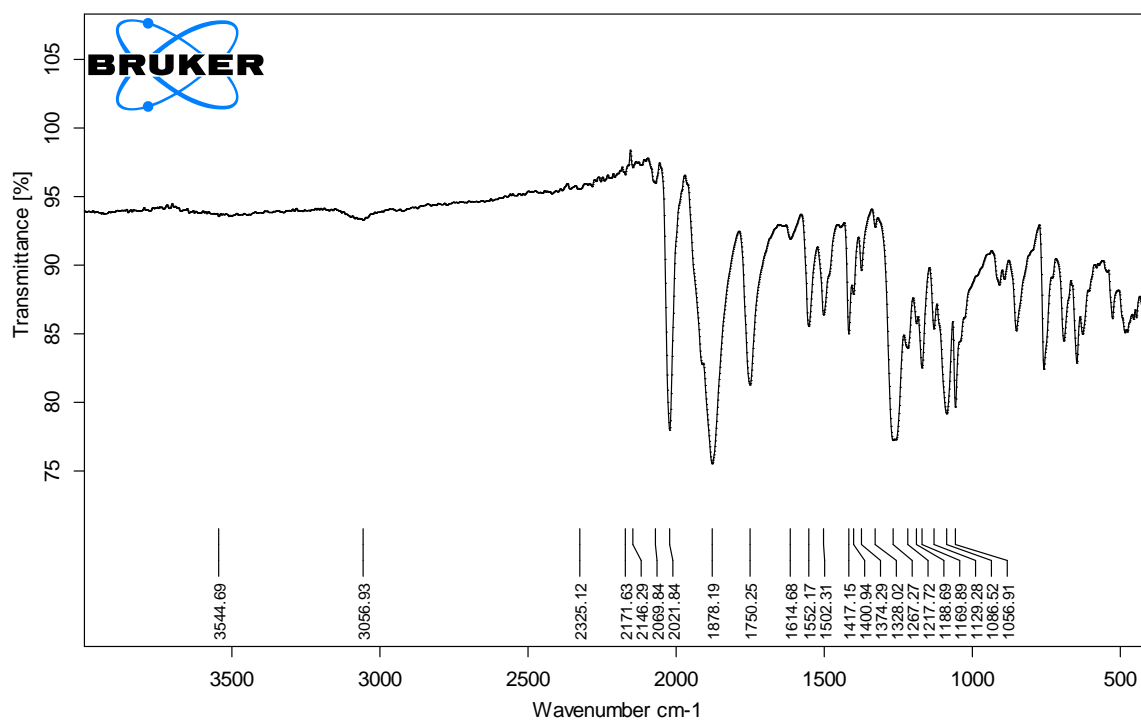
Ligand L1



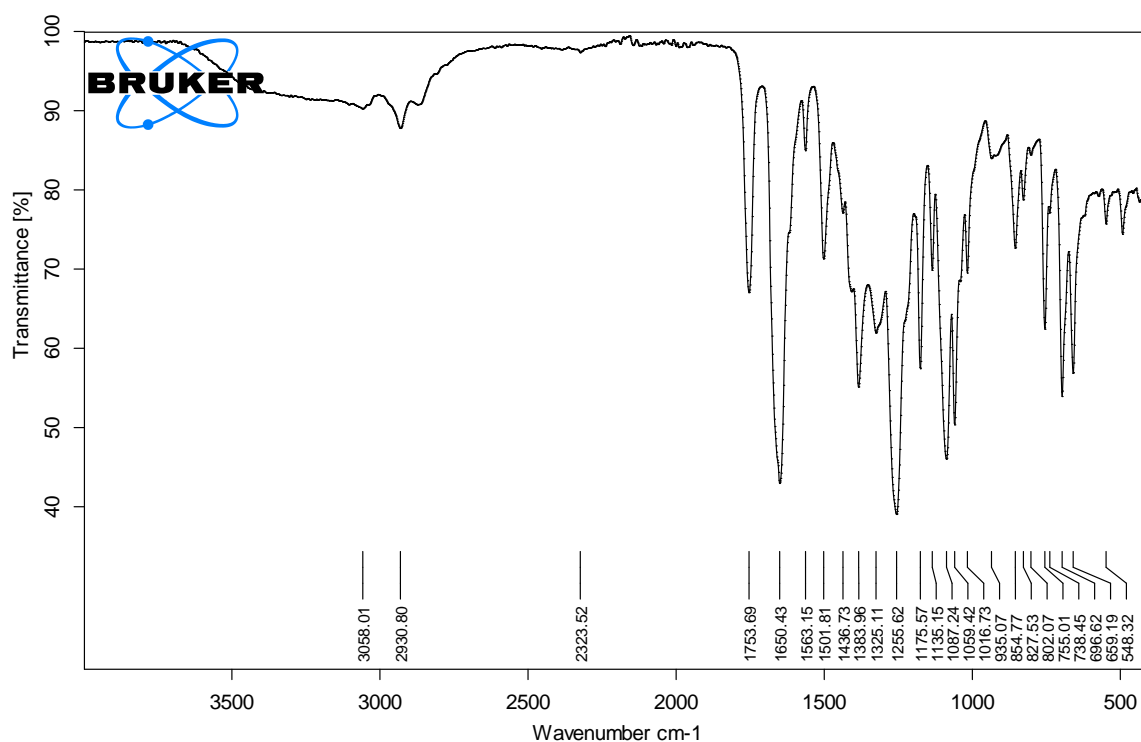
[Re₃(L1)₂Br₃(CO)₃]·n(CH₃NO₂)·m(H₂O) 1.



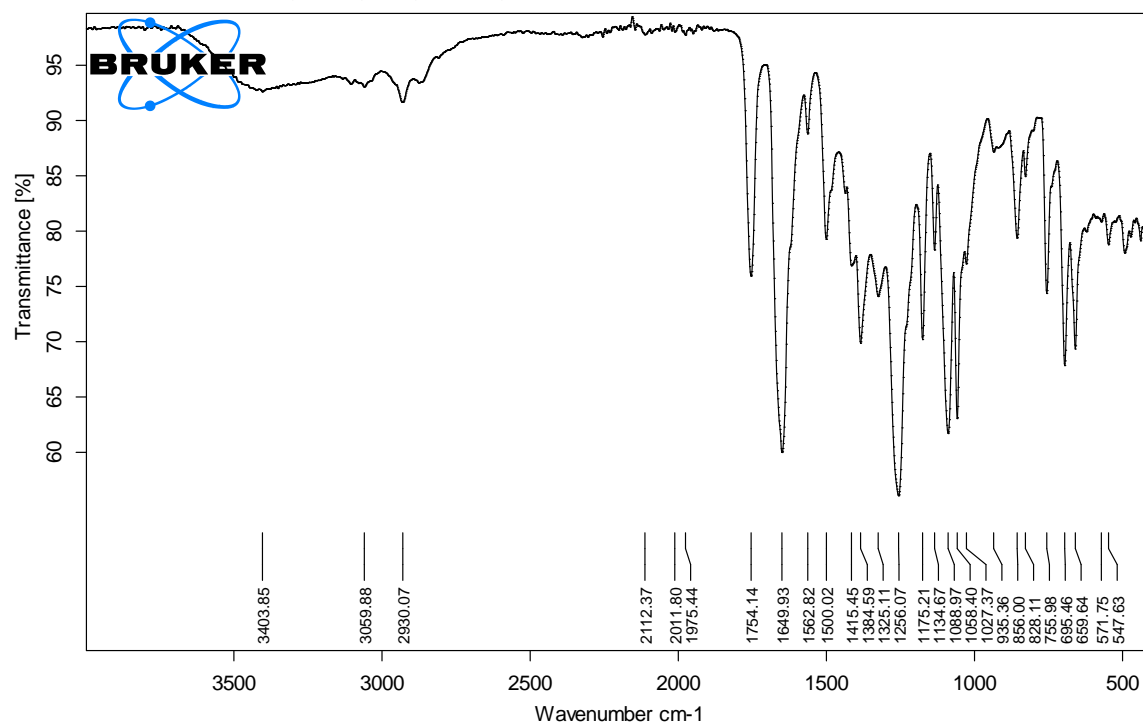
[Re₃(L1)₂Br₃(CO)₃]·n(CH₃NO₂)·m(H₂O) 1 after I₂ up-take.



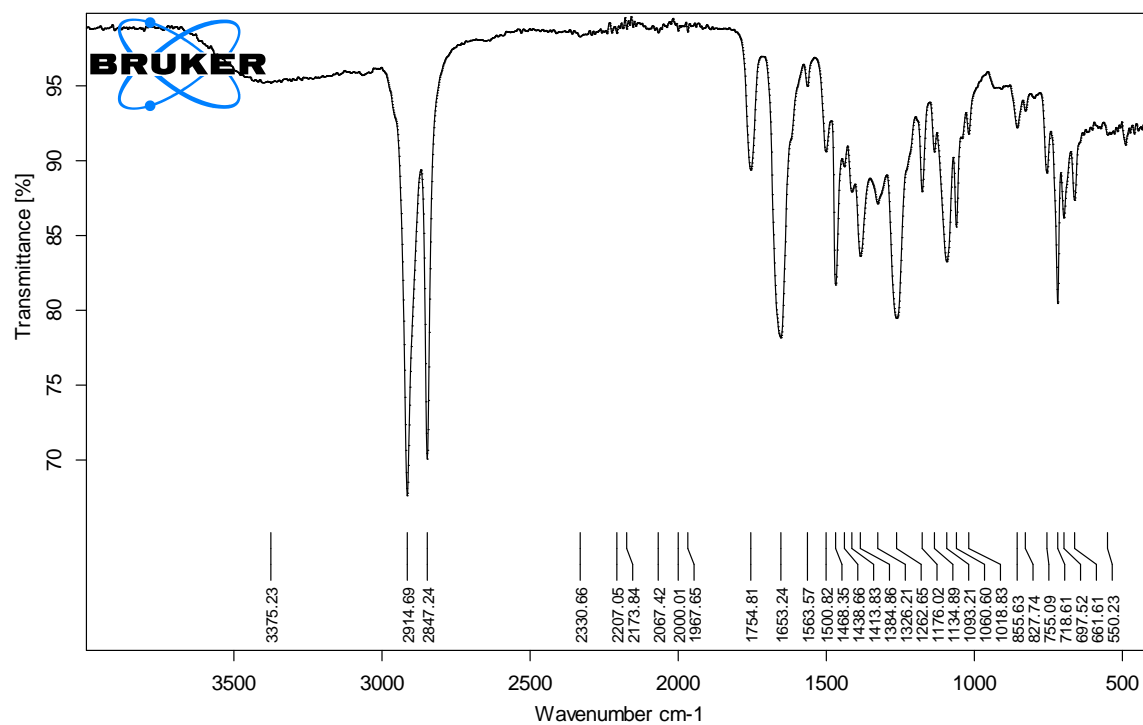
[Co₃(H₂O)₆(L1)₂]·6(NO₃)·n(DMF) 2a.



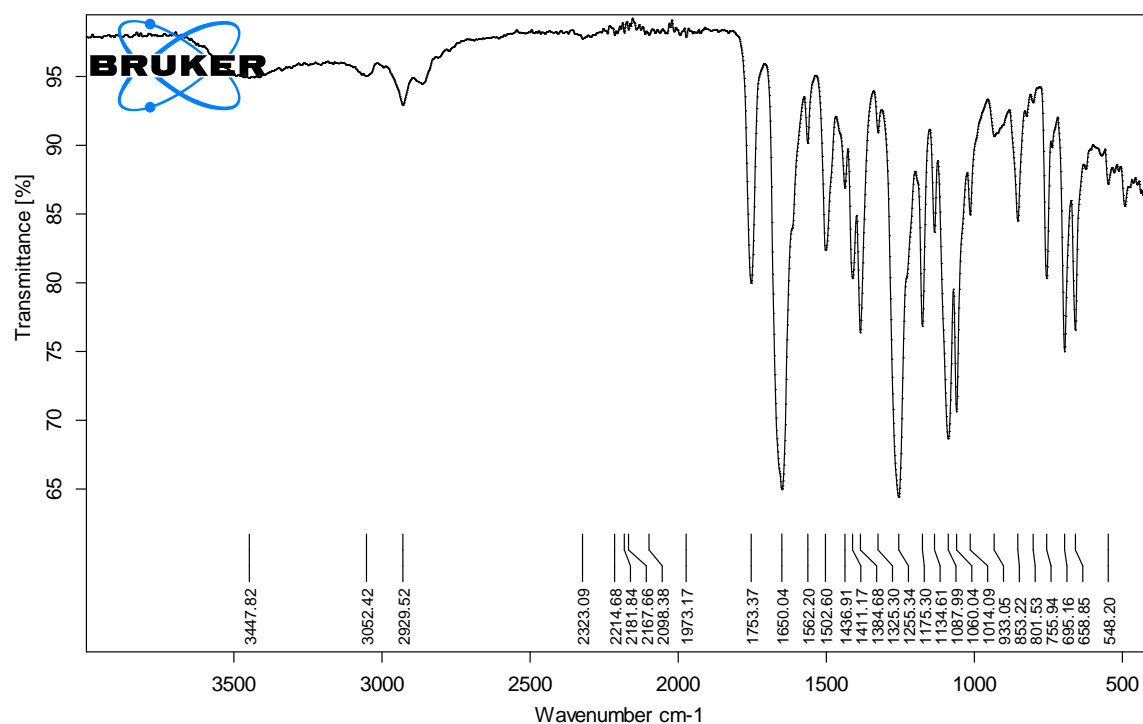
[Cu₃(H₂O)₆(L1)₂]·6(NO₃)·n(DMF) 2b.



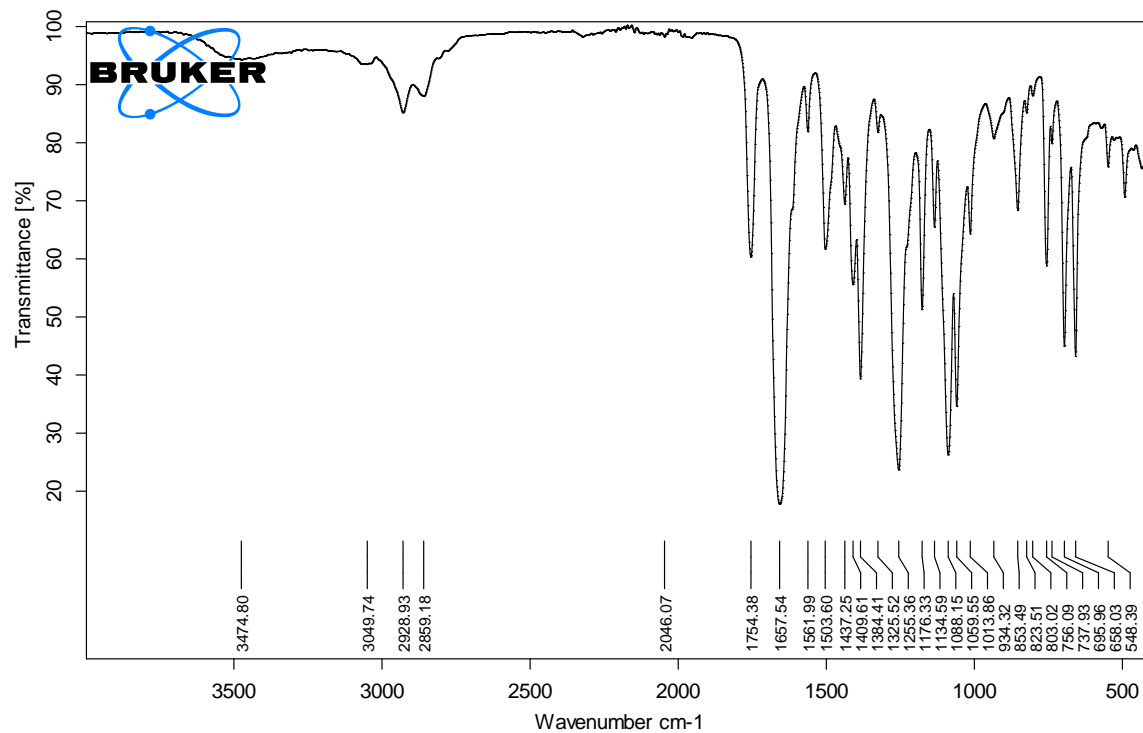
[Ni₃(H₂O)₆(L1)₂]·6(NO₃)·n(DMF) 2c.



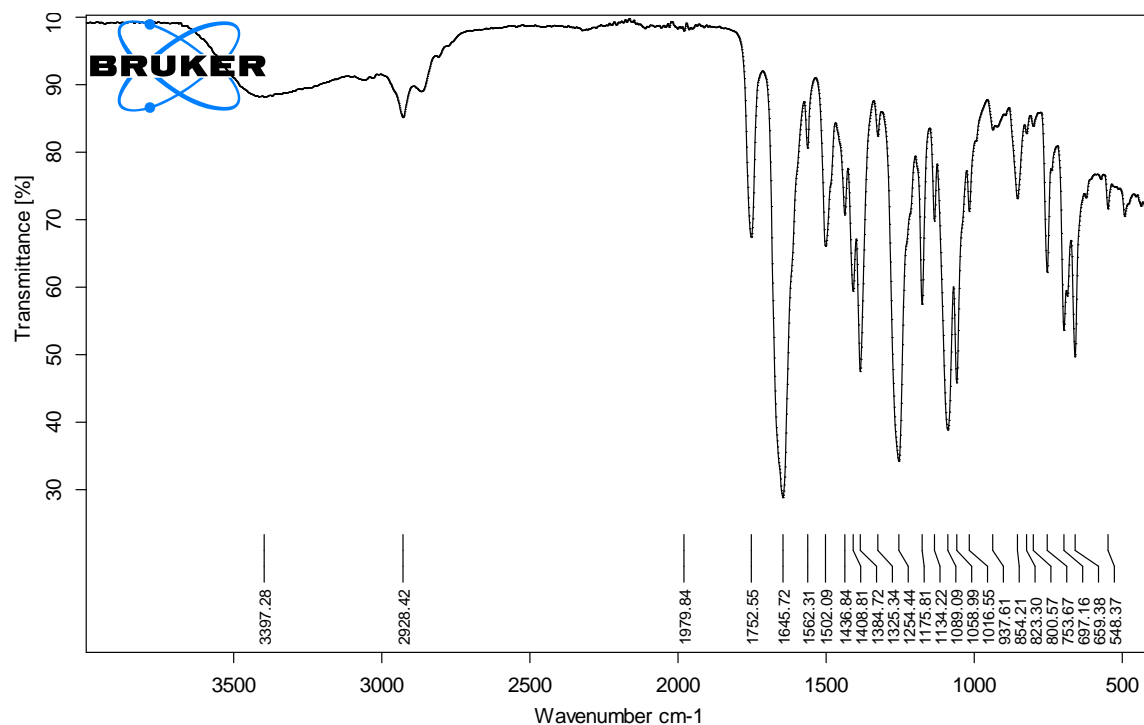
[Co₃Cl₆(L1)₂·n(DMF) 3a



[Co₃Br₆(L1)₂·n(DMF) 3b.



[Co₃I_{1.5}(H₂O)_{4.5}L1)₂]·4.5I·m(DMF) 4.



[Cu₂(L1)(TFA)₃(isonic)]·n(DMF) 5, where tfa = trifluoroacetate and isonic = isonicotinate.

