

Supporting Information

Photochemical Atmospheric CO₂ Capture and Accumulation in Hydrolyzed Zirconium–Indole Systems

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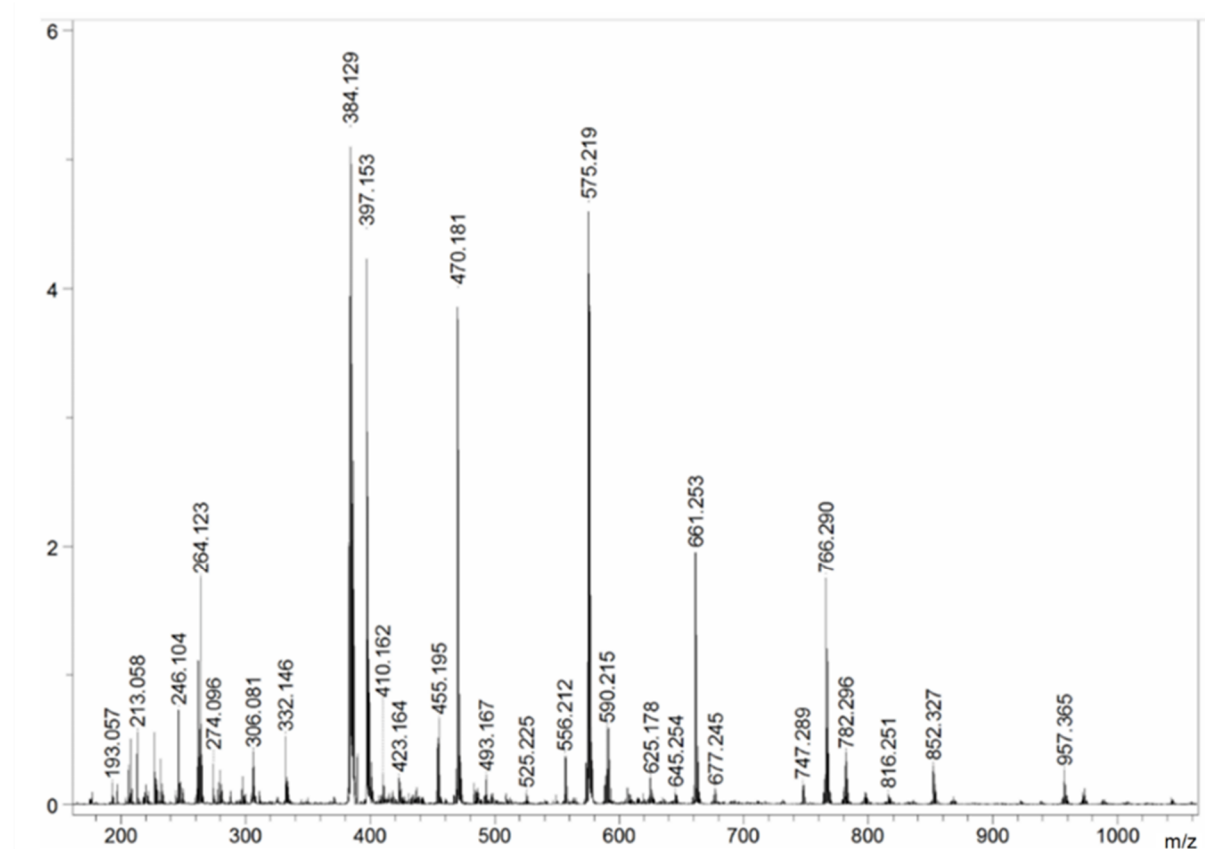


Figure S1. MALDI-TOF mass spectrum of the 1:1 PI:ZrCl₄ (PI=2-phenylindole) system prior to ambient exposure.

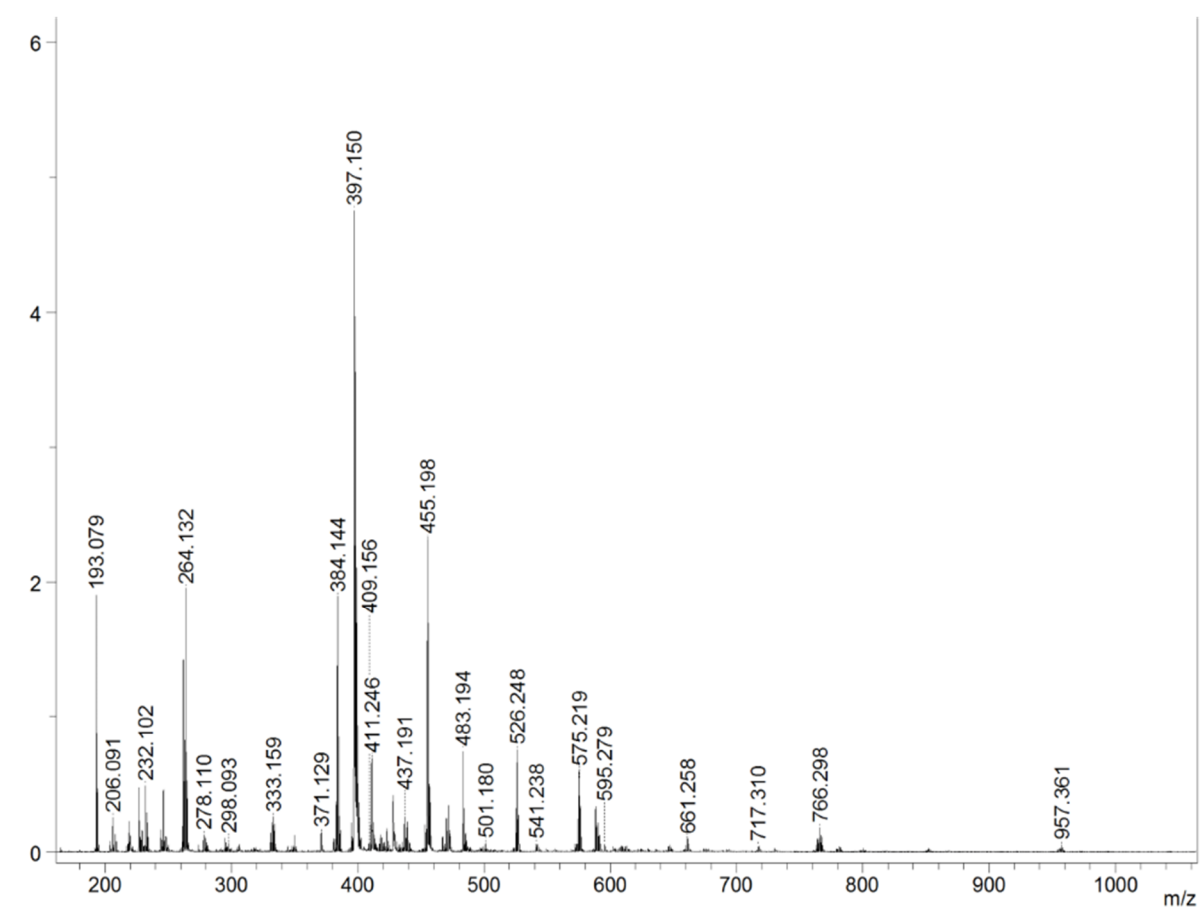


Figure S2. MALDI-TOF mass spectrum of the 2:1 PI:ZrCl₄ system prior to ambient exposure.

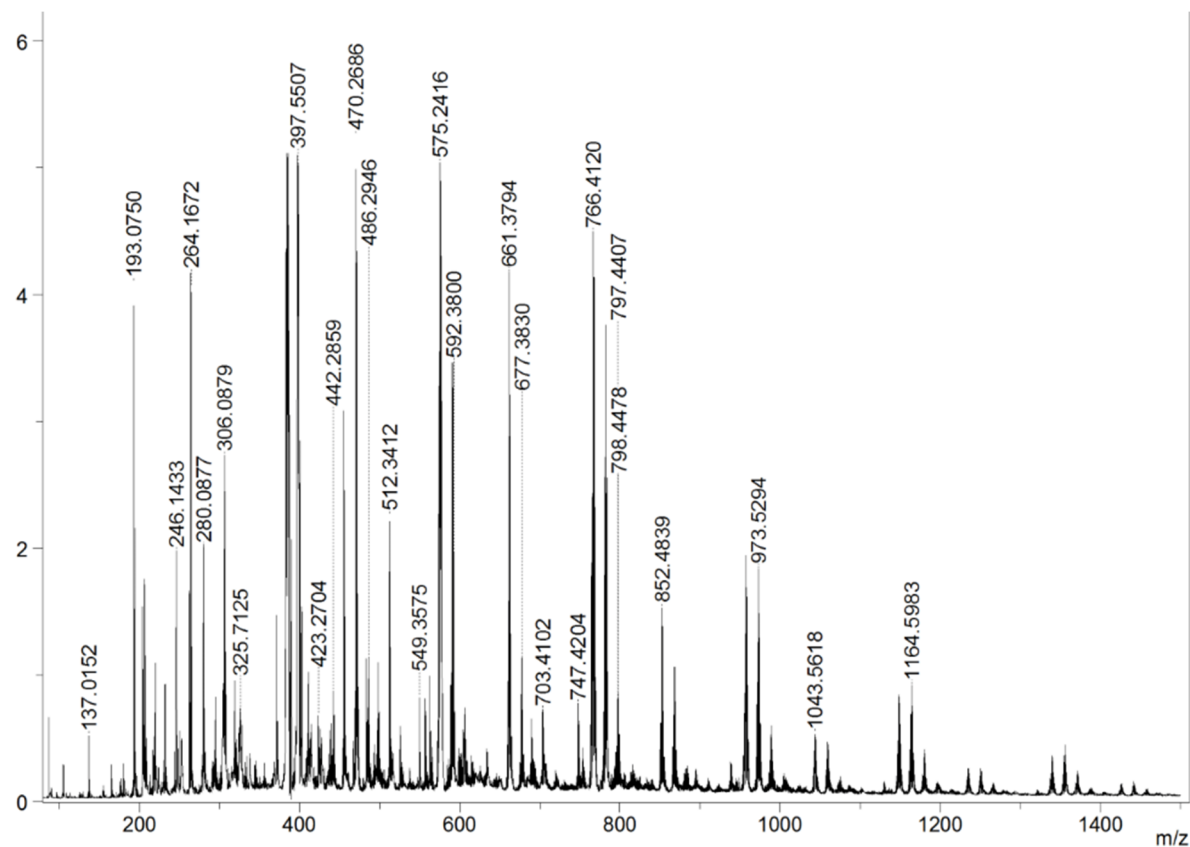


Figure S3. MALDI-TOF mass spectrum of the 1:1 PI:ZrCl₄ system after two days of ambient exposure.

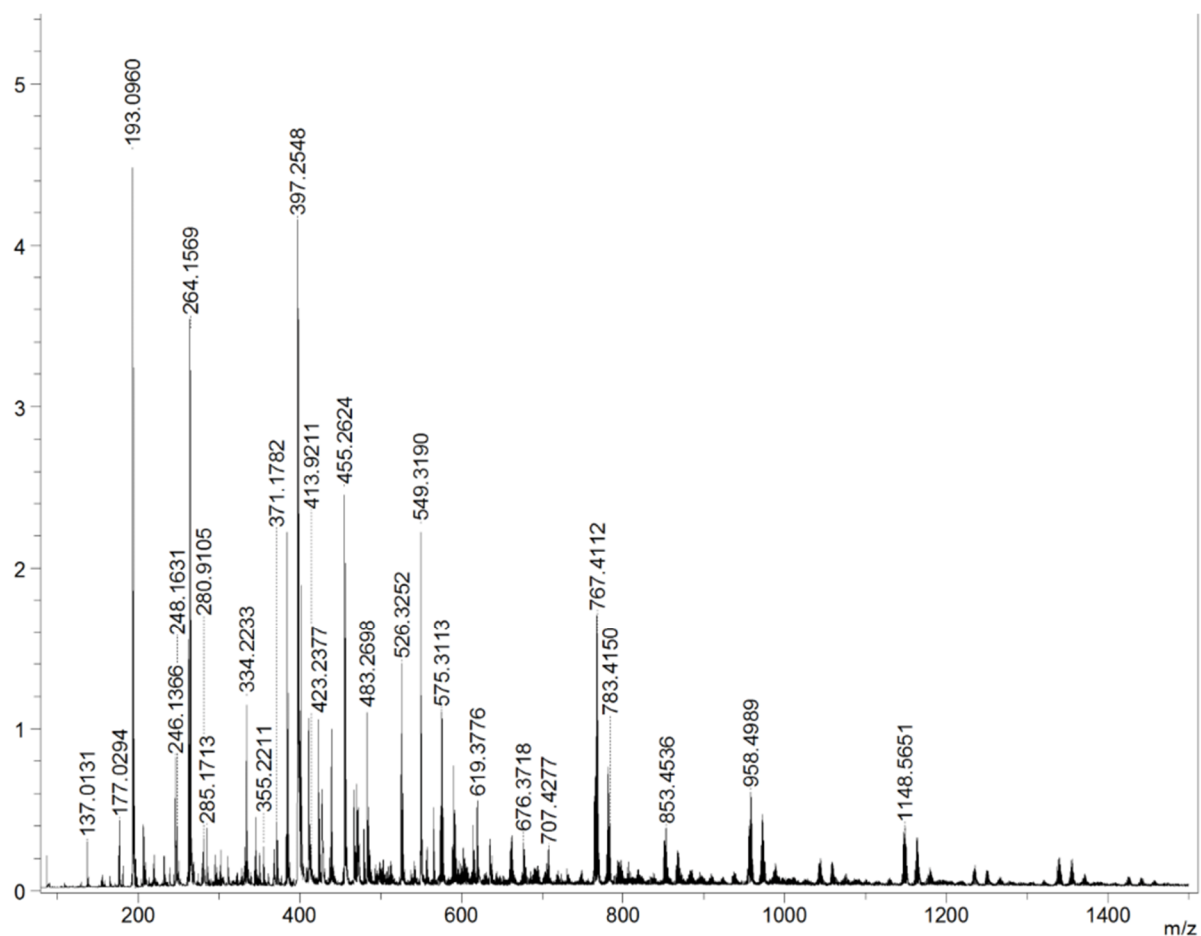


Figure S4. MALDI-TOF mass spectrum of the 2:1 PI:ZrCl₄ system after two days of ambient exposure.

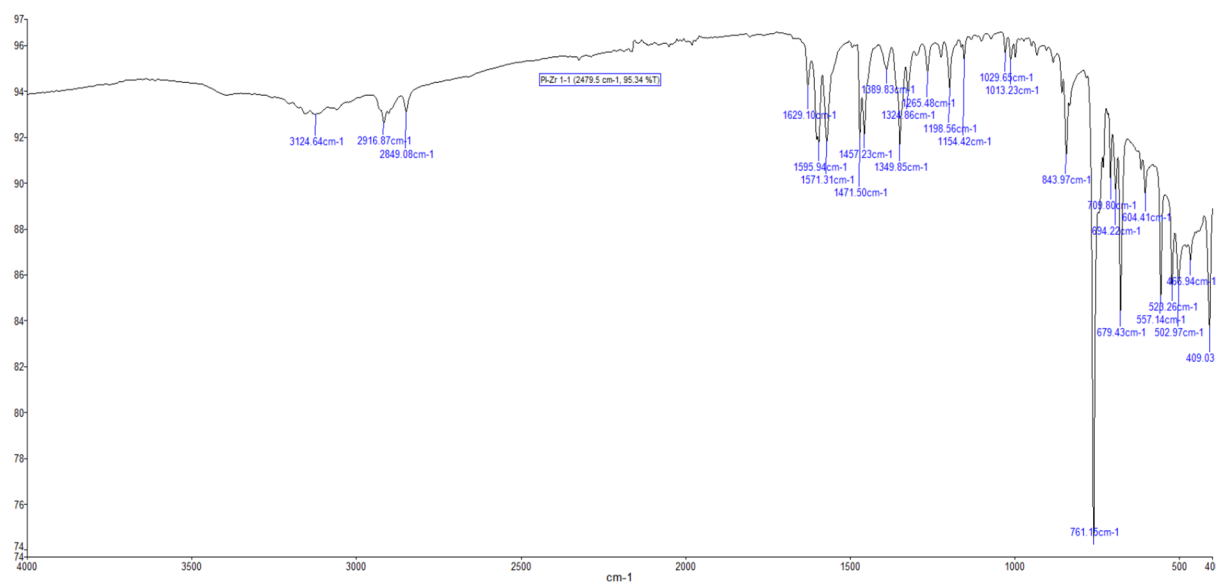


Figure S5. FTIR spectrum of the 1:1 PI:ZrCl₄ system prior to ambient exposure.



Figure S6. FTIR spectrum of the 2:1 PI:ZrCl₄ system prior to ambient exposure.

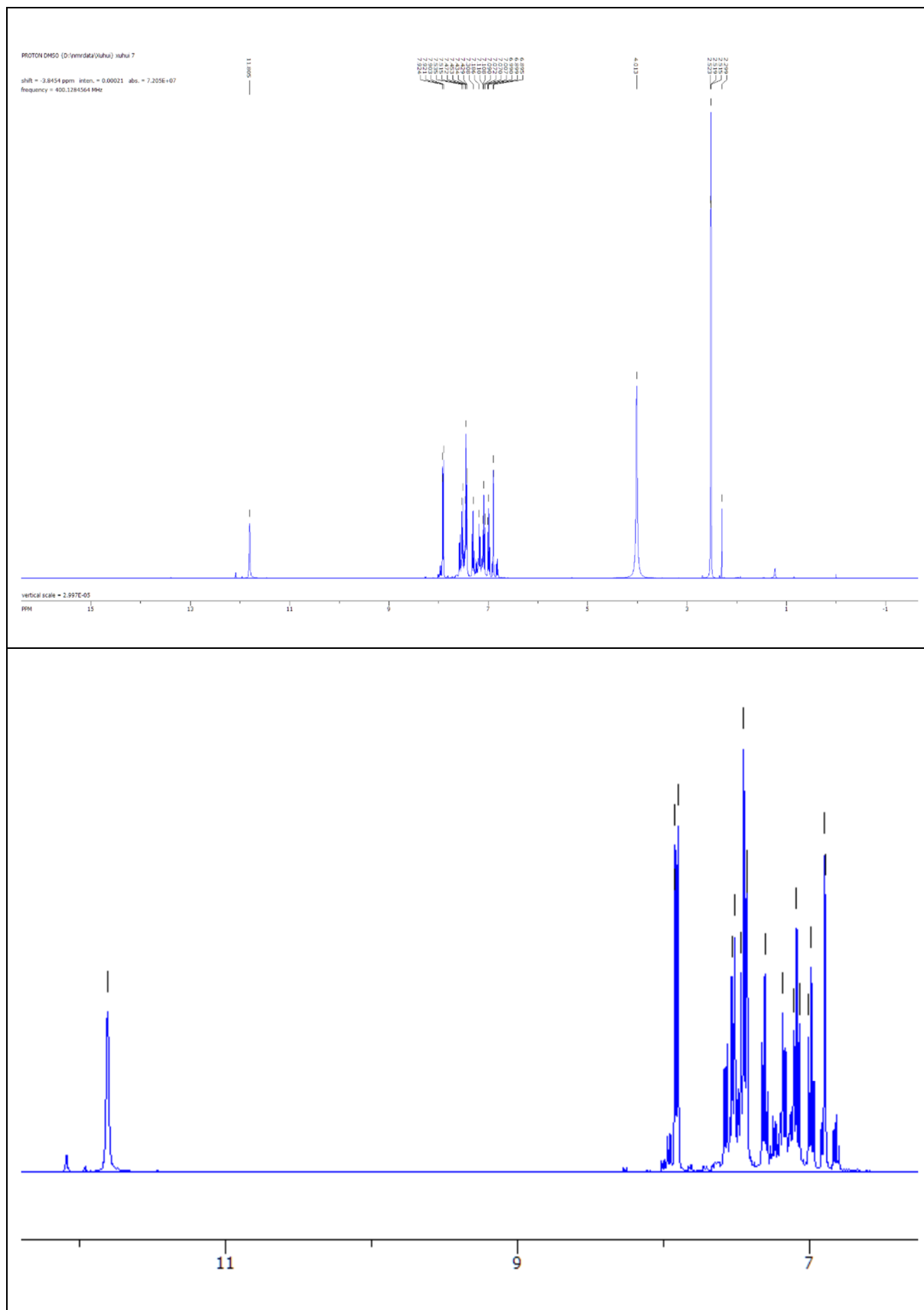


Figure S7. Cont.

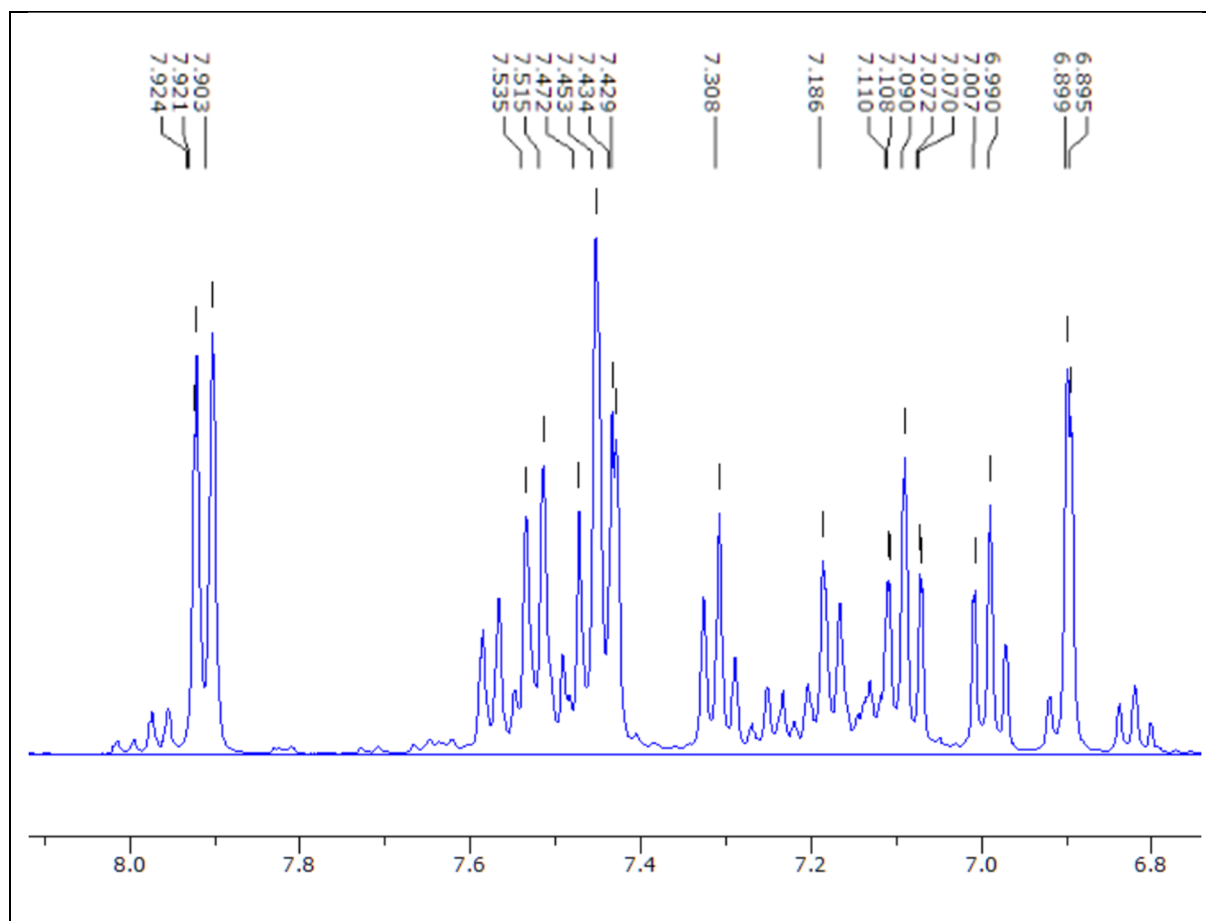


Figure S7. ¹H NMR spectrum of the 1:1 PI:ZrCl₄ system prior to ambient exposure.

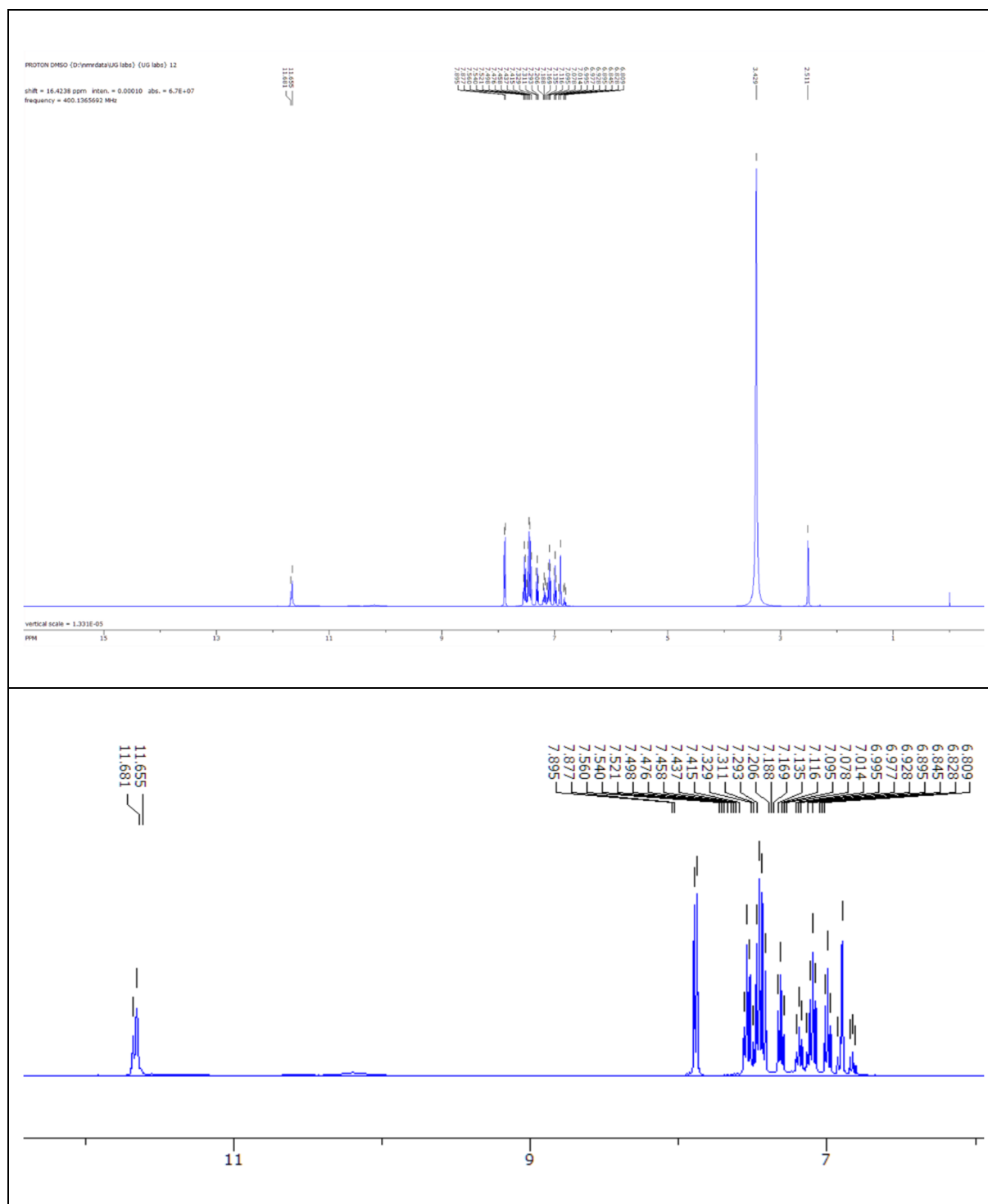


Figure S8. ^1H NMR spectrum of the 1:1 PI:ZrCl₄ system after two days of ambient exposure.

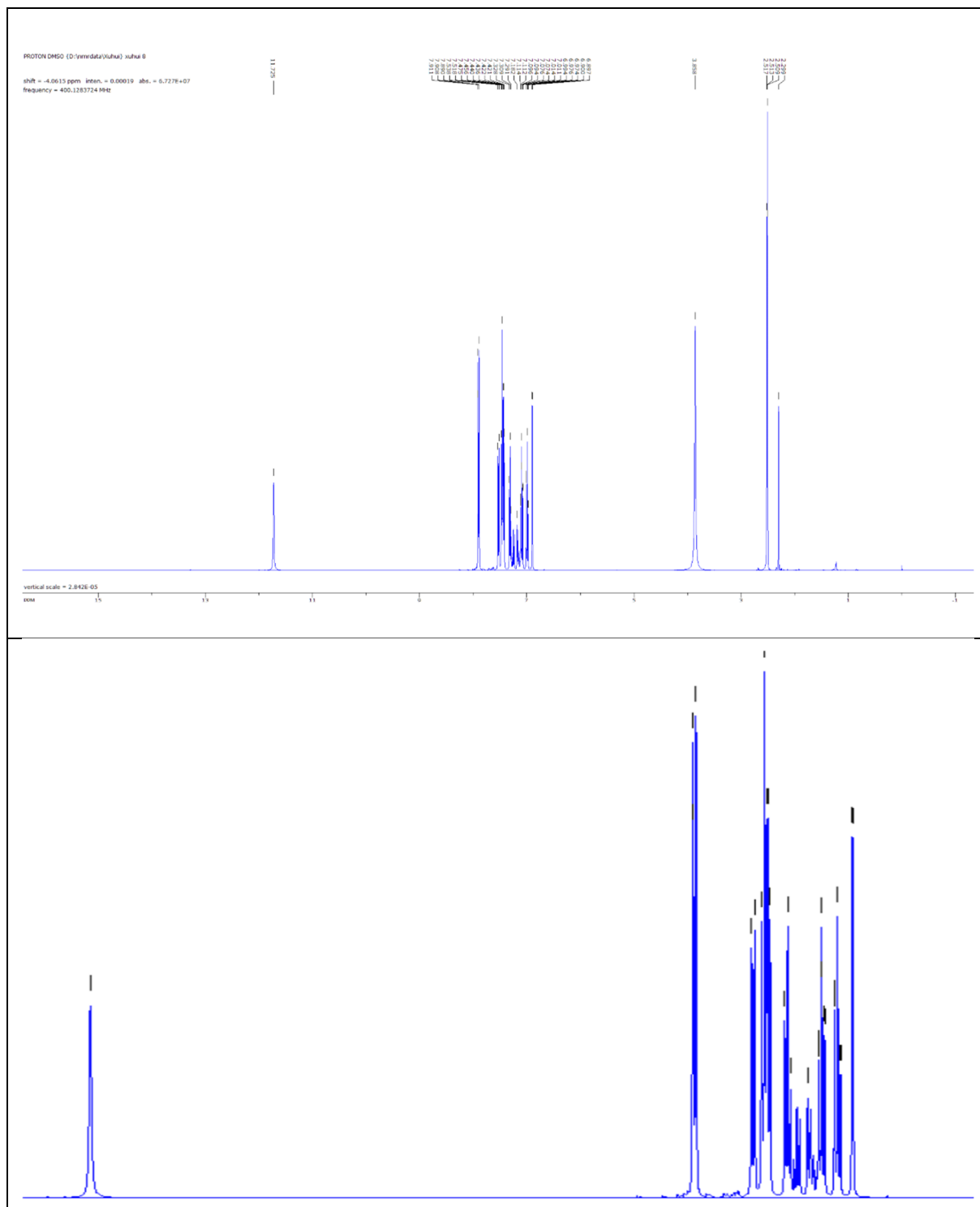


Figure S9. ^1H NMR spectrum of the 2:1 PI:ZrCl₄I system prior to ambient exposure.

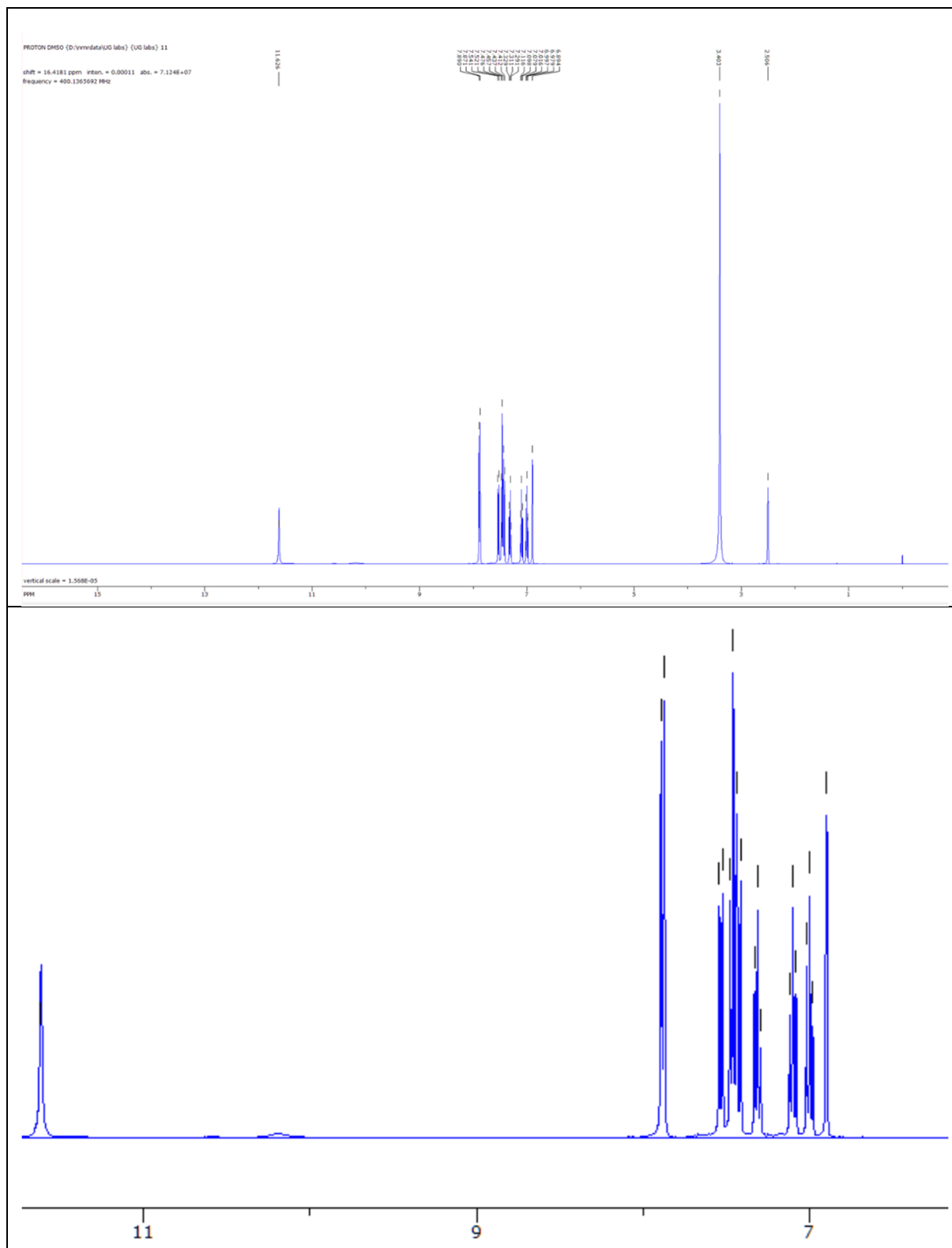


Figure S10. ^1H NMR spectrum of the 2:1 PI:ZrCl₄ system after two days of ambient exposure.

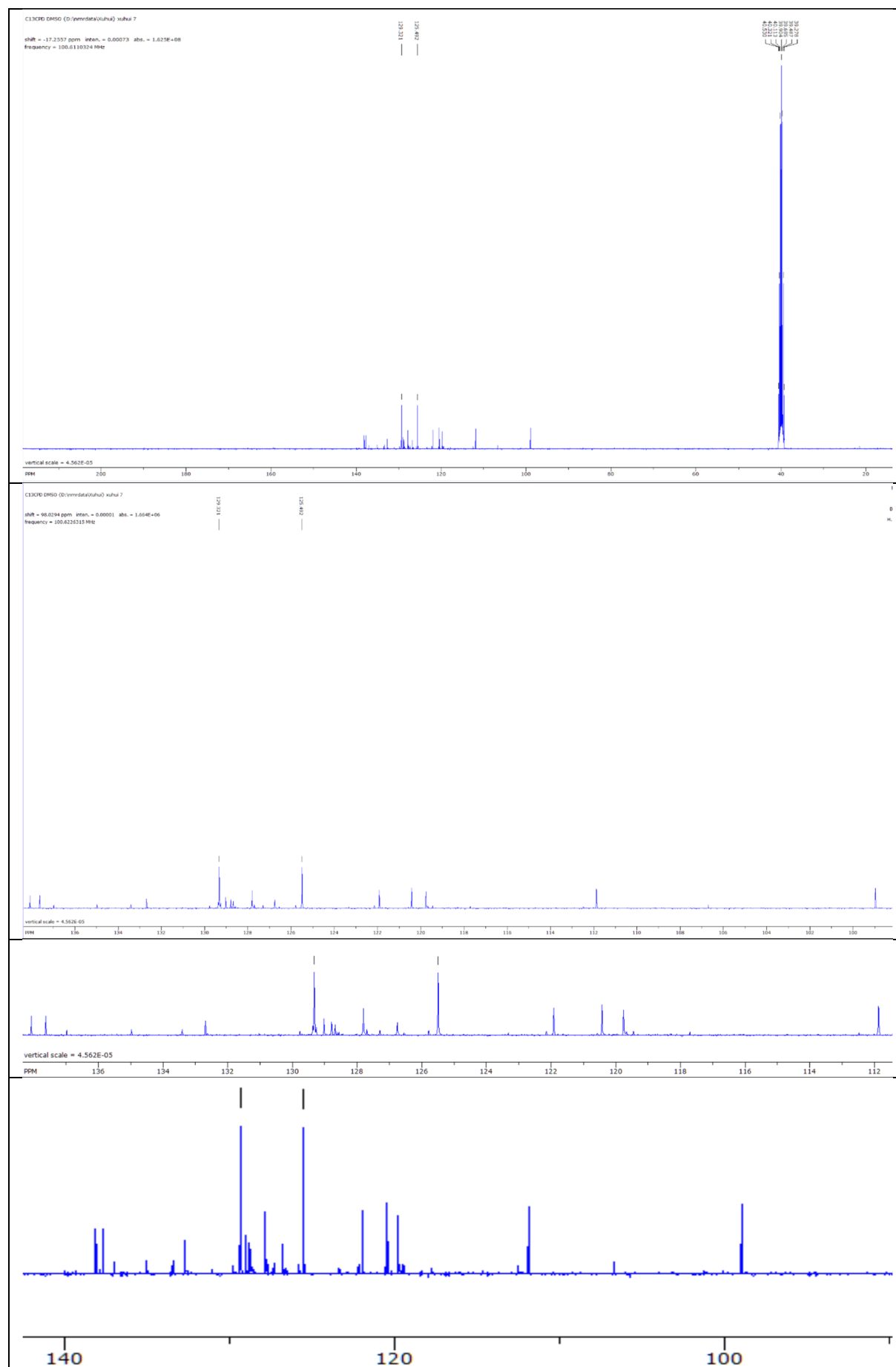


Figure S11. ^{13}C NMR spectrum of the 1:1 PI:ZrCl₄ system prior to ambient exposure.

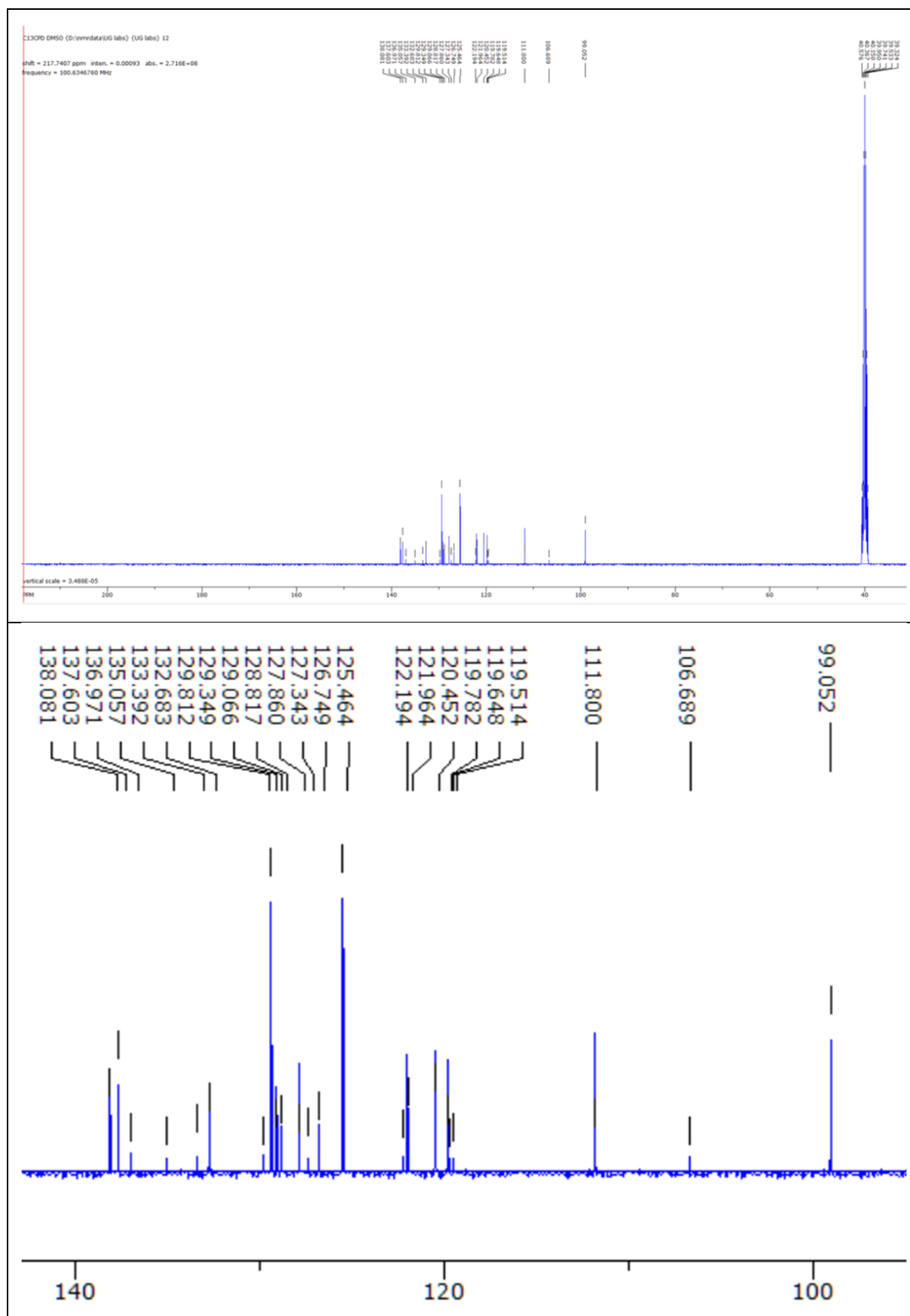


Figure S12. ^{13}C NMR spectrum of the 1:1 PI:ZrCl₄ system after two days of ambient exposure.

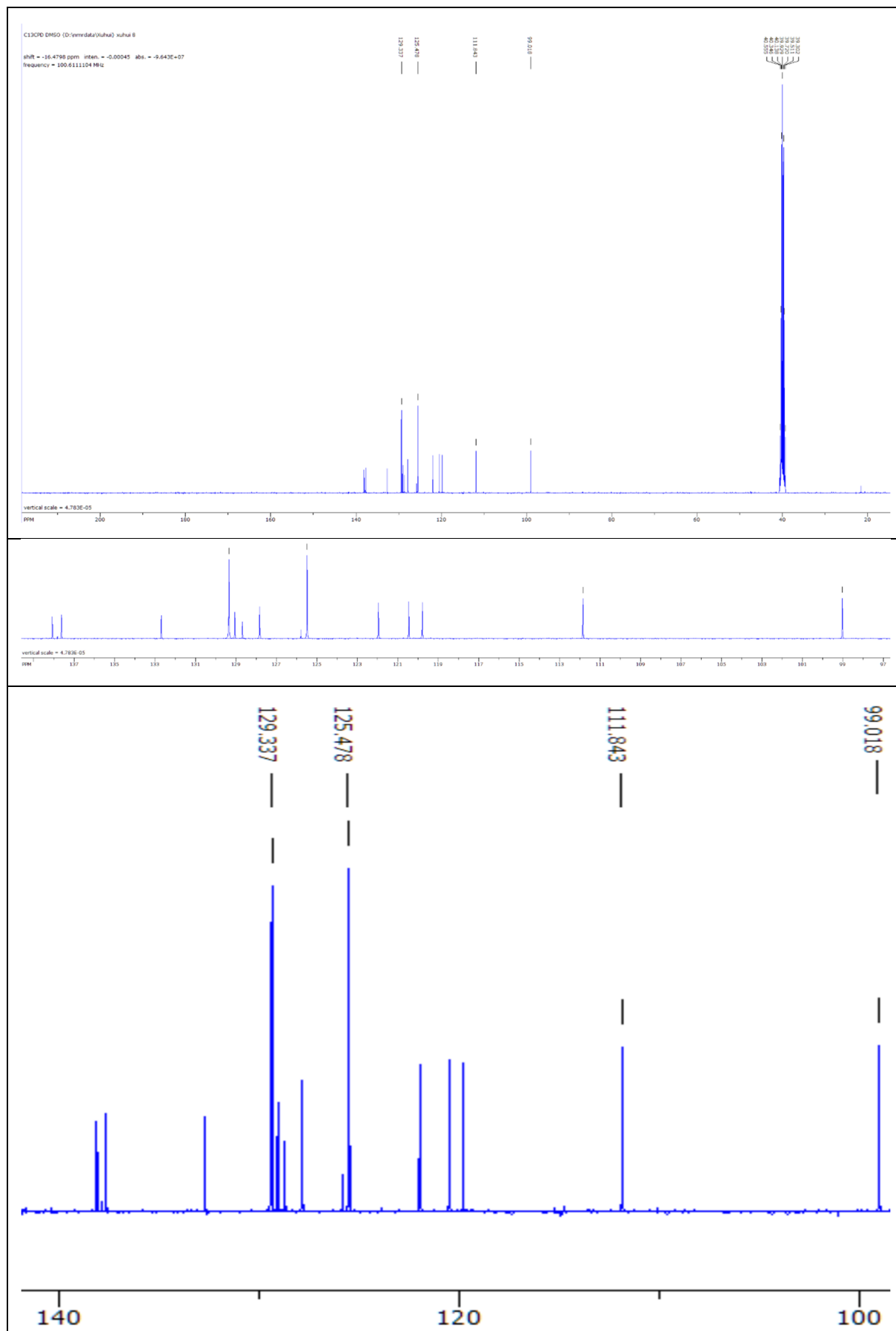


Figure S13. ^{13}C NMR spectrum of the 2:1 PI:ZrCl₄ system prior to ambient exposure.

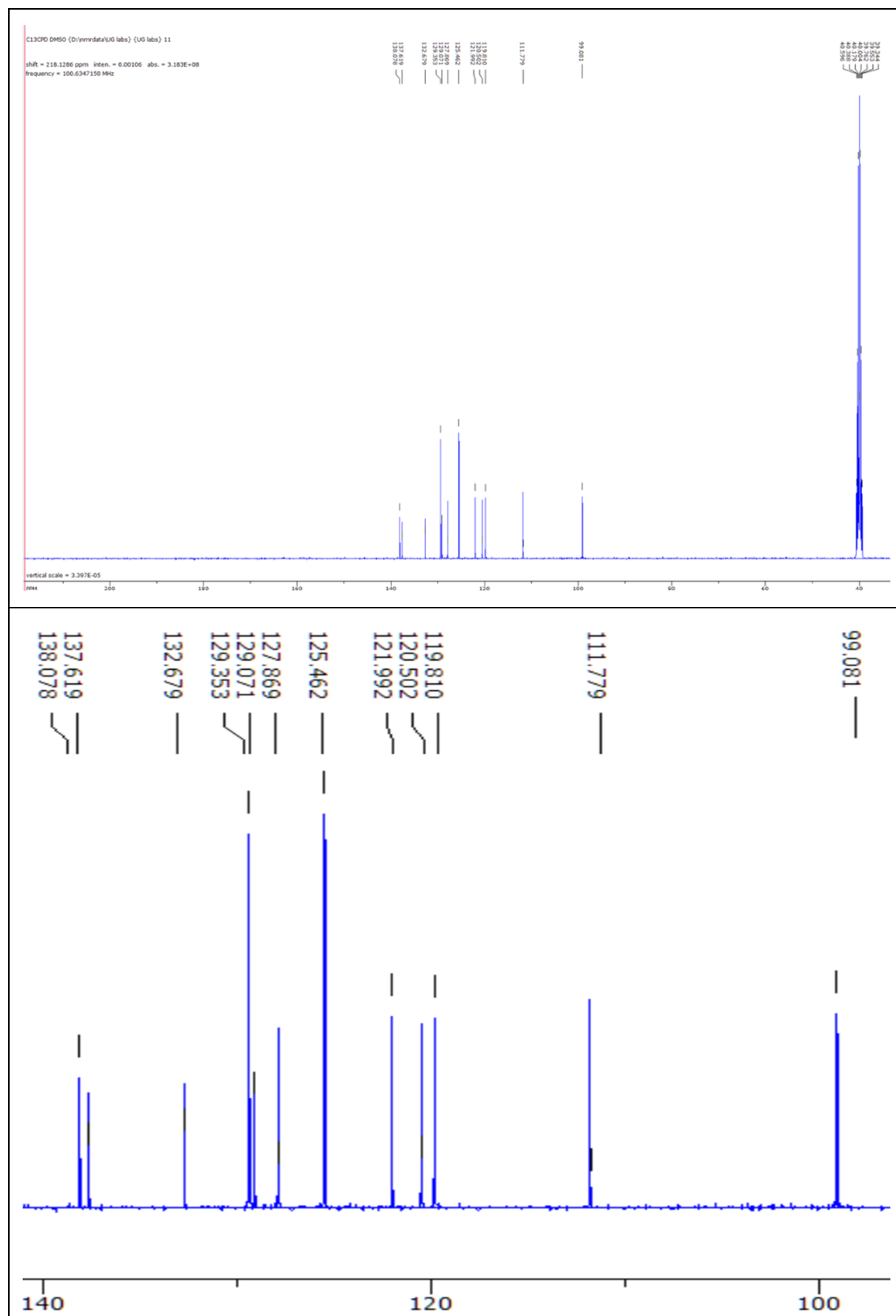


Figure S14. ^{13}C NMR spectrum of the 2:1 PI:ZrCl₄ system after two days of ambient exposure.