10.1071/ CH06176_ AC

Accessory Publication: Aust. J. Chem., 2006, 59(9), 617–628.

Accessory Publication

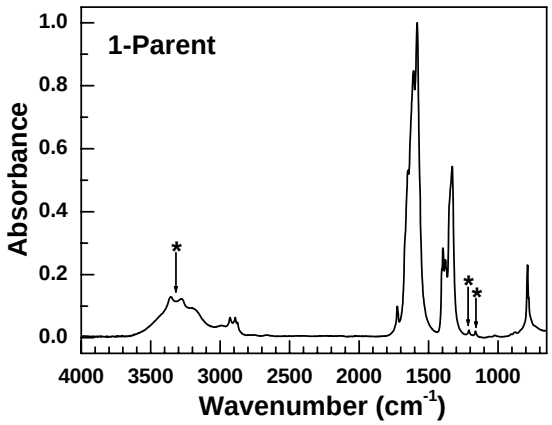


Figure A1a

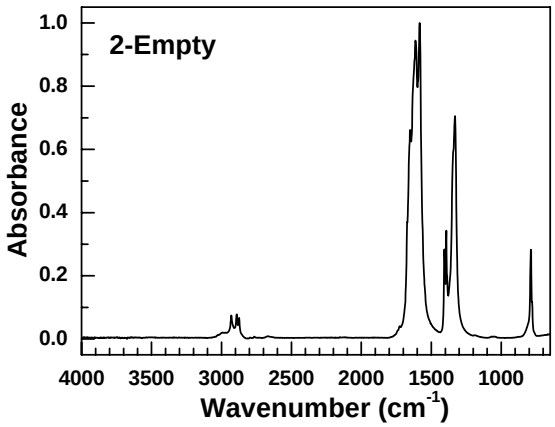


Figure A1b

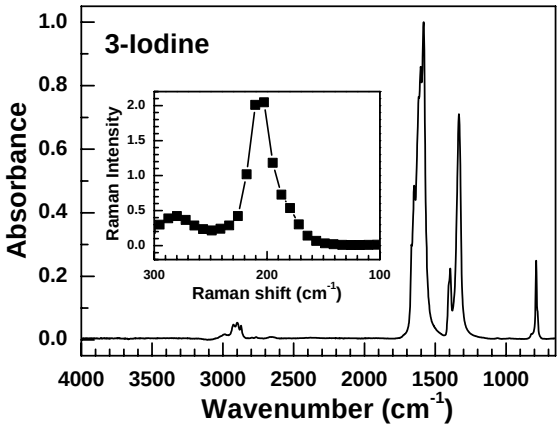


Figure A1c

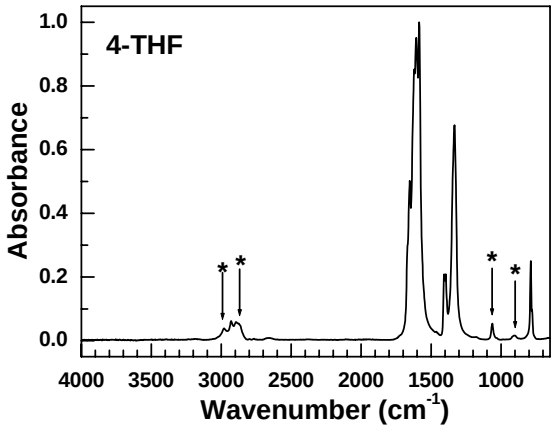


Figure A1d

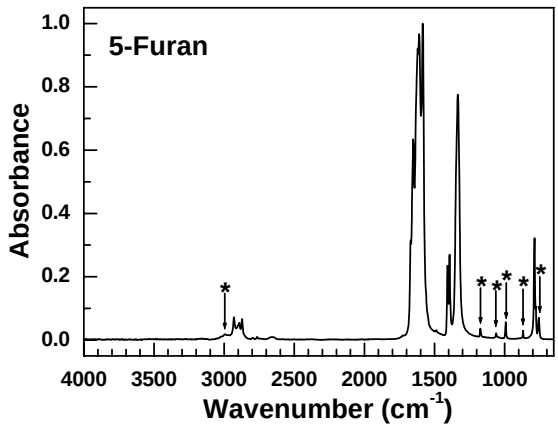


Figure A1e

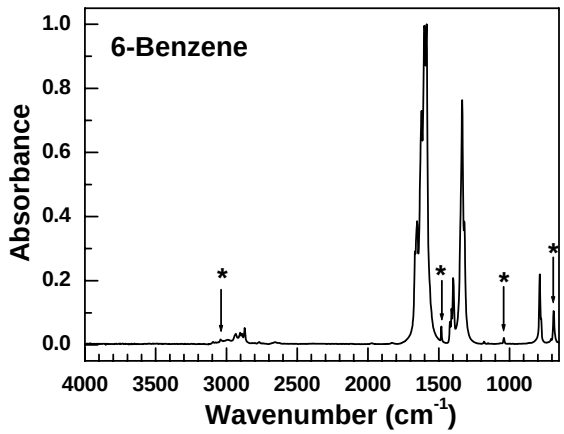


Figure A1f

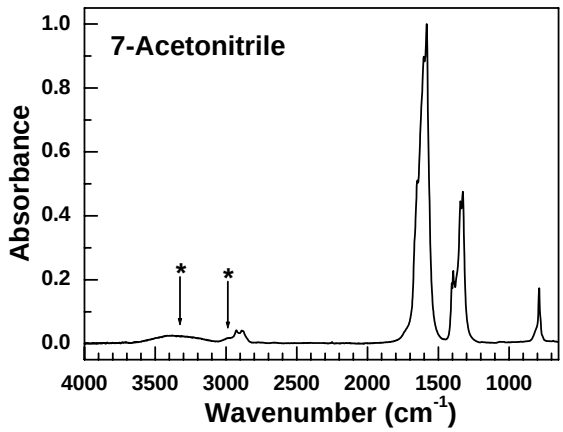


Figure A1g

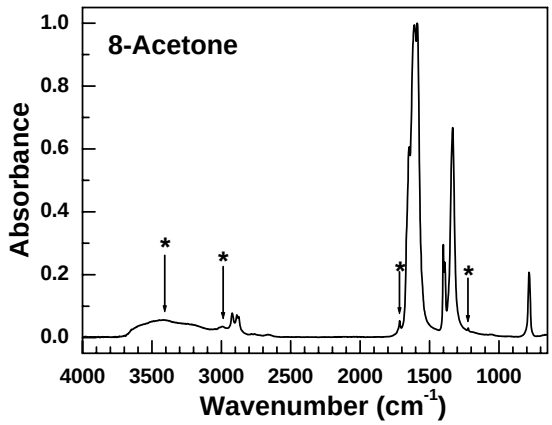


Figure A1h

Figure A1. Infrared absorption spectra of the eight compounds. Asterisks denote the solvent vibrational bands. Inset in (c) is the Raman spectrum showing the symmetric stretching mode of I_2.

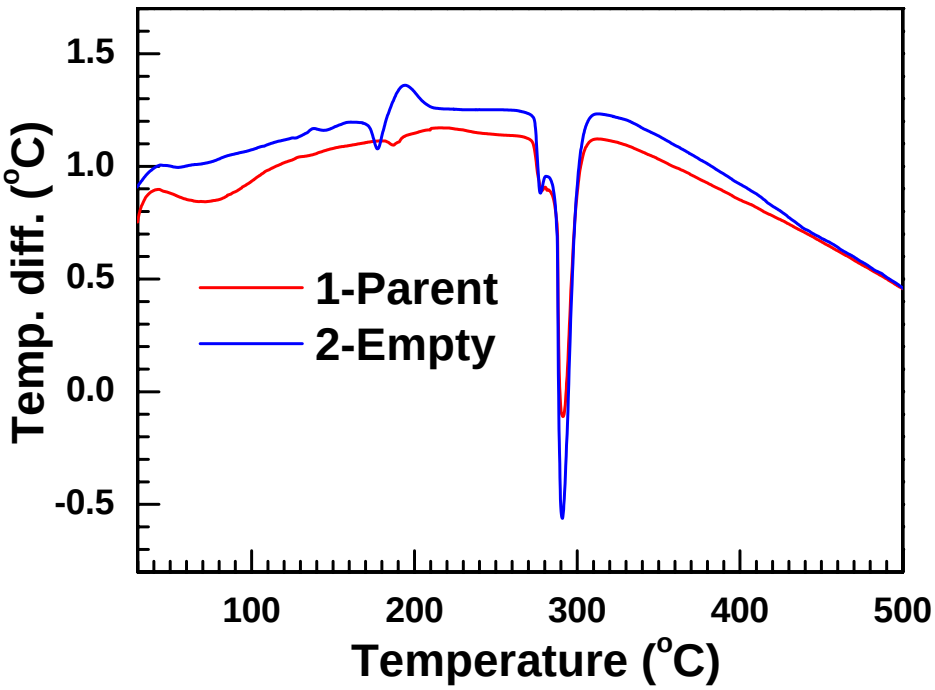
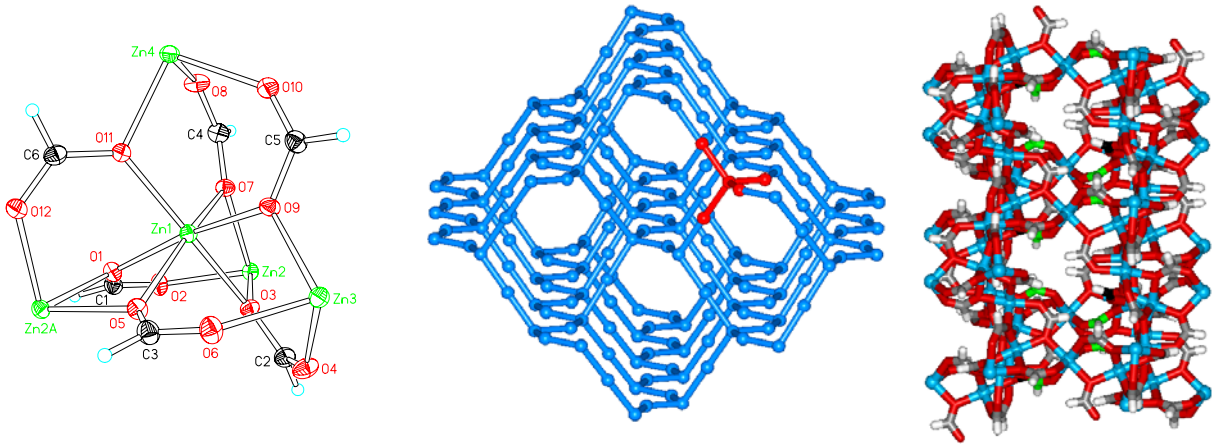


Figure A2. DTA runs for $\mathbf{1}_{parent}$ and $\mathbf{2}_{empty}$ in N_2.



(a) (b) (c)

Figure A3. The structure of $\mathbf{2}_{empty}$, (a) the Zn-centred $ZnZn_4$ tetrahedron; (b) the porous diamond framework formed by the tetrahedral units (one highlighted in red) as nodes sharing apices and showing open channels; (c) the side view of the channel. Color scheme: Zn blue, C grey, O red, and H white, and the C atoms of the protrude inward C-H groups, *i.e.*, the C2 in black, C4 and C5 in green, see text.