

Electronic Supplementary Information for:

Effect of temperature on self-assembly/disassembly transition of dialkylurea supramolecular gels under high pressure

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Supplementary data

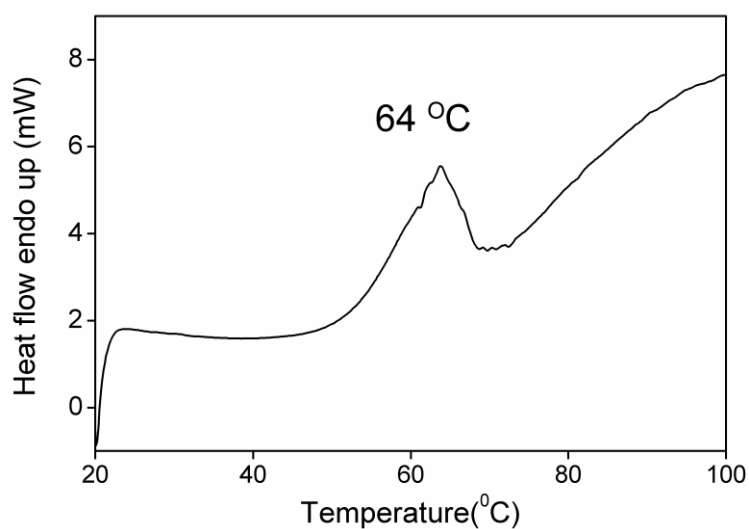


Figure S1. DSC thermograms of MBB-18/CB gel. There is an obvious endothermic peak at 64 °C, indicating the self-assembly/disassembly transition of MBB-18.

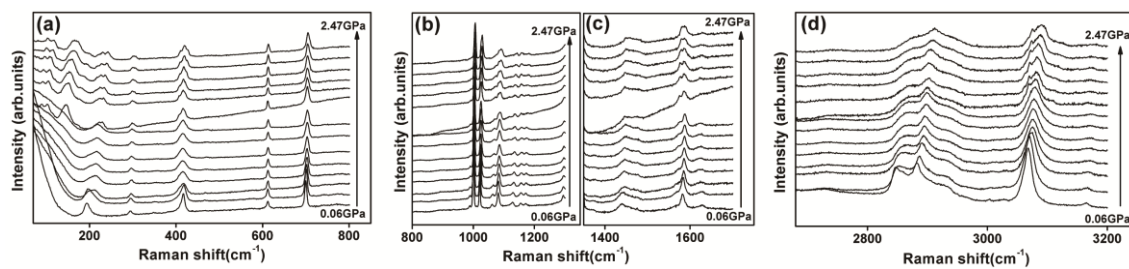


Figure S2. Raman spectra of MBB-18/CB gels under varied pressures at 60 °C.

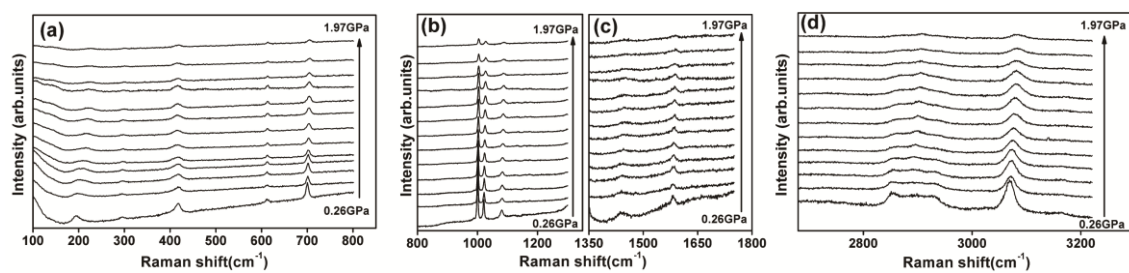


Figure S3. Raman spectra of MBB-18/CB gels under varied pressures at 150 °C.

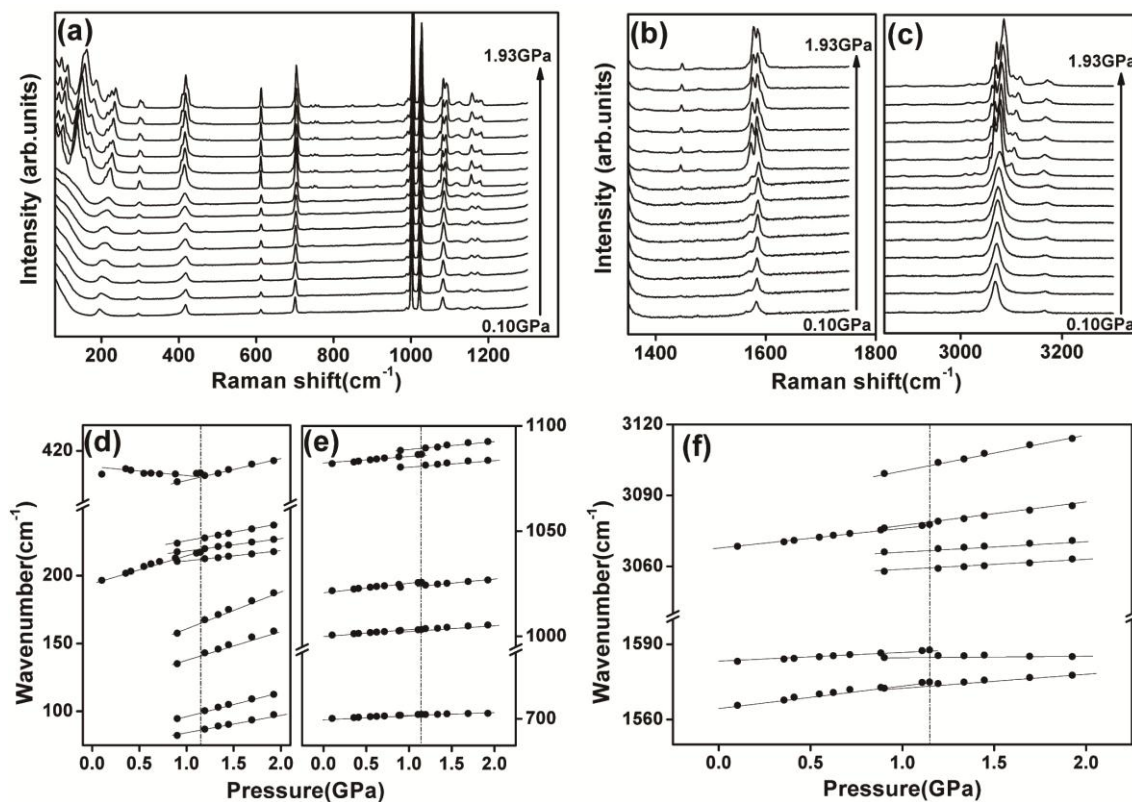


Figure S4. Raman spectra of chlorobenzene under varied pressures at 23 °C (a–c) and the pressure dependence of the characteristic bands (d–f). The dashed lines represent the boundary of the two phases. There is an obvious discontinuity at ~1.15 GPa, indicating the phase transition.

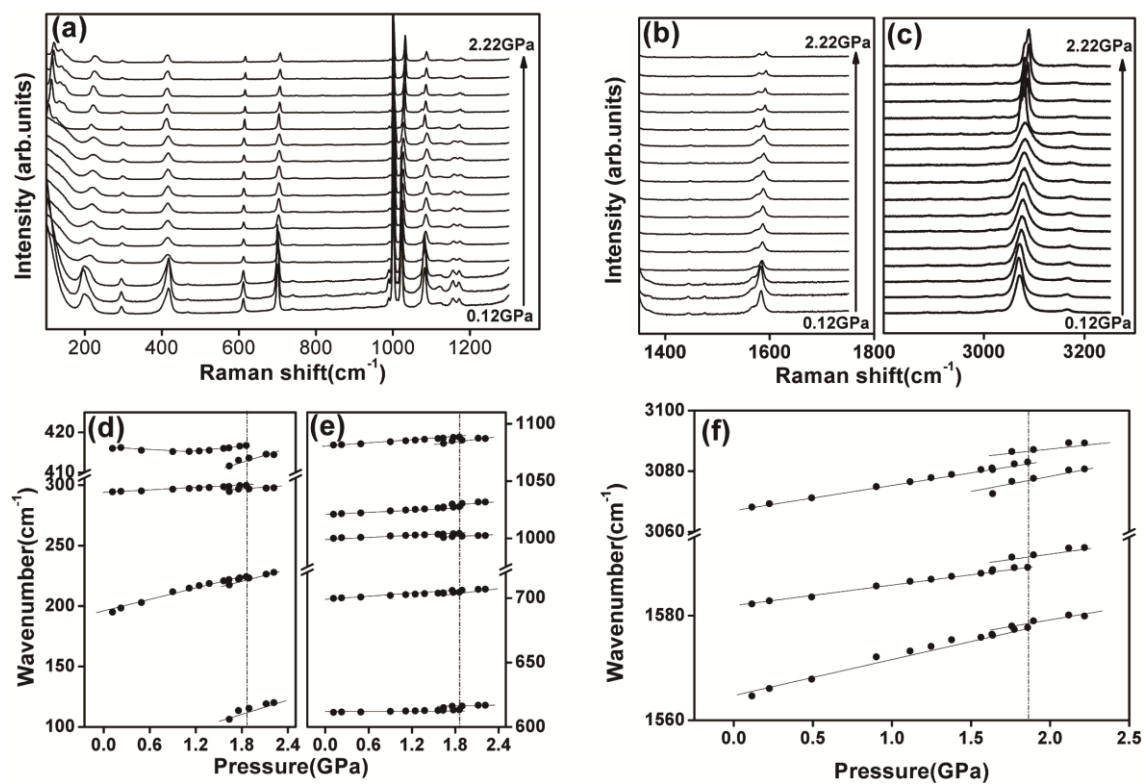


Figure S5. Raman spectra of chlorobenzene under varied pressures at 80 °C (a–c) and the pressure dependence of the characteristic bands (d–f). There is an obvious discontinuity at ~1.86 GPa, indicating the phase transition.

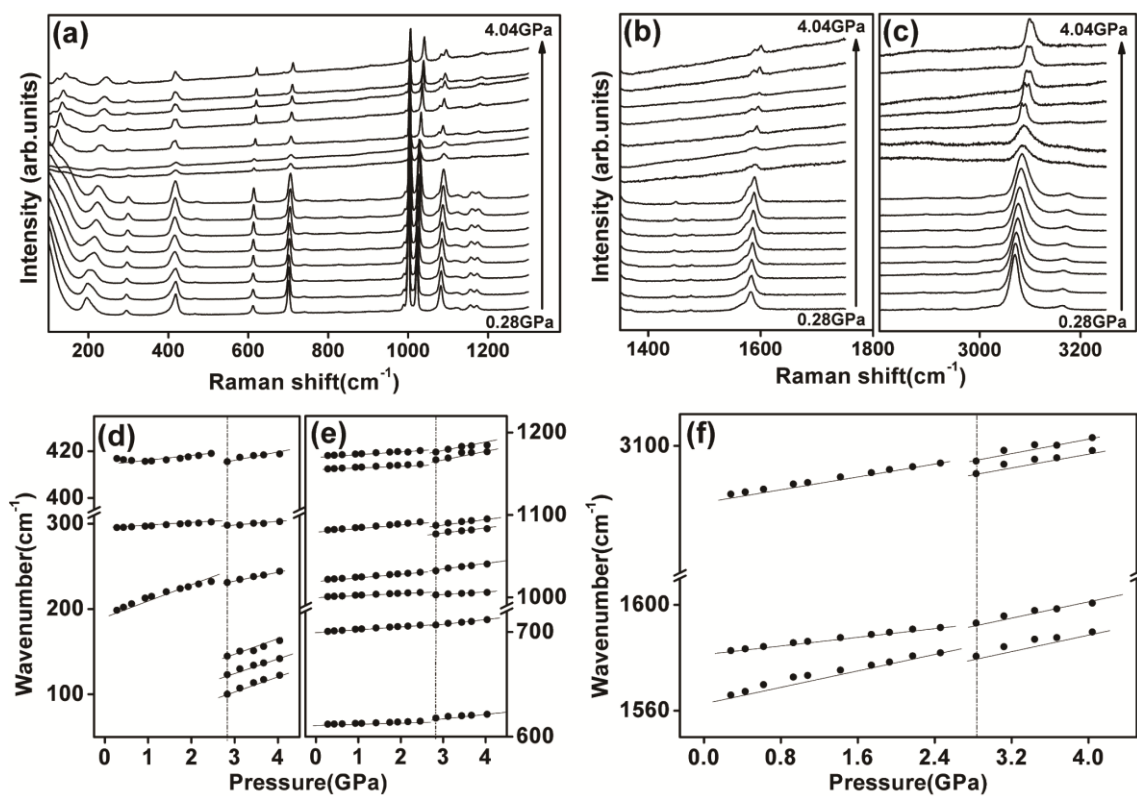


Figure S6. Raman spectra of chlorobenzene under varied pressures at 150 °C (a–c) and the pressure dependence of the characteristic bands (d–f). There is an obvious discontinuity at ~2.83 GPa, indicating the phase transition.