

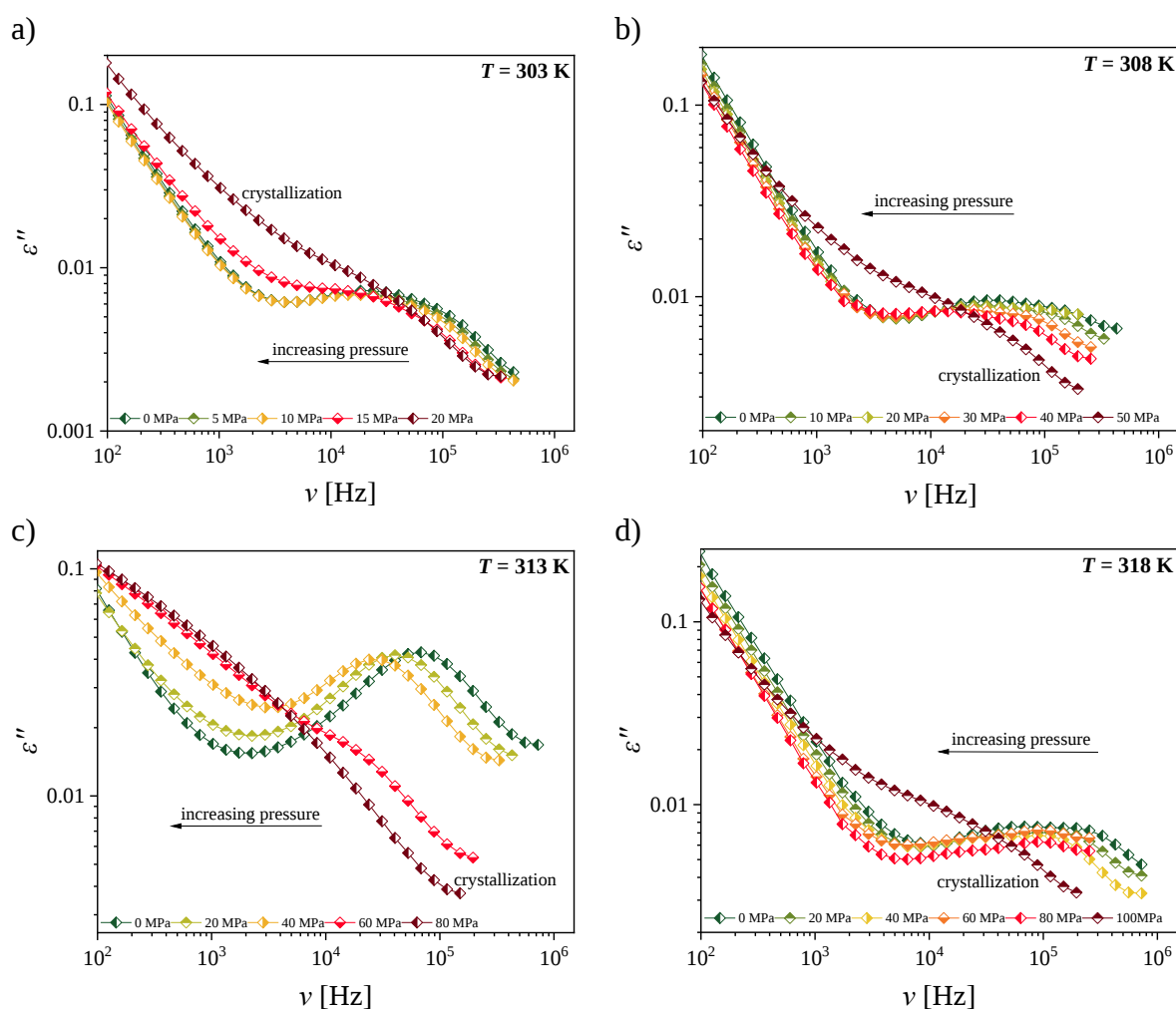
Supplementary Information

Effect of high pressure on relaxation dynamics and crystallization kinetics of chiral liquid crystal in its smectic phase

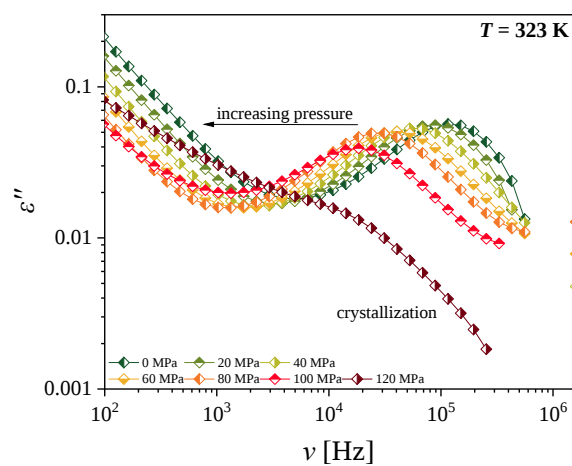
Anna Drzewicz,^{*a} Małgorzata Jasiurkowska-Delaporte,^a Ewa Juszyńska-Gałązka,^a Mirosław Gałązka,^a Wojciech Zajac,^a and Przemysław Kula^b

^aInstitute of Nuclear Physics Polish Academy of Sciences, PL-31342 Krakow, Poland

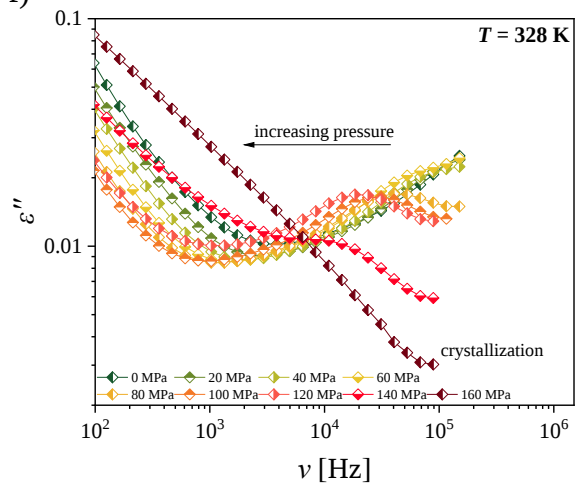
^bInstitute of Chemistry, Military University of Technology, Kaliskiego 2, 00-908 Warszawa, Poland



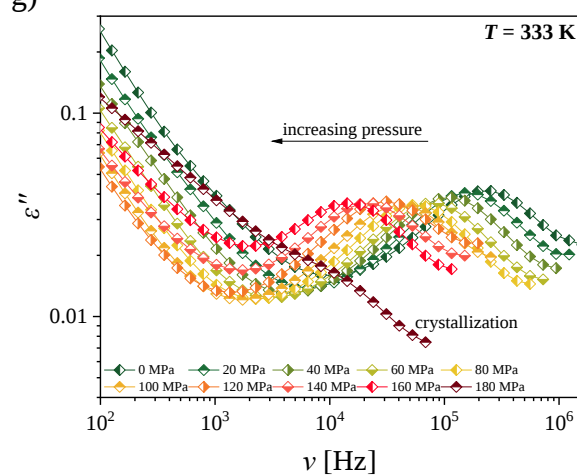
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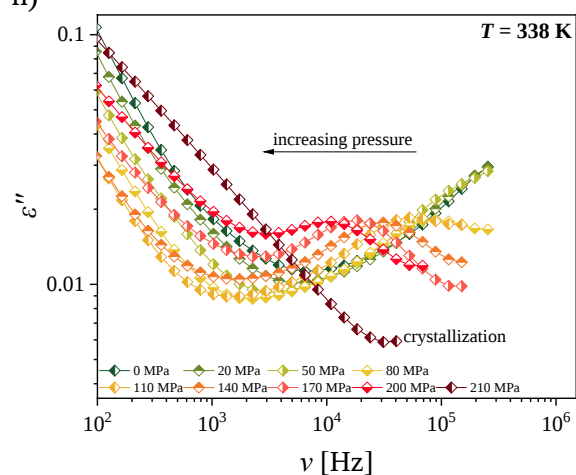
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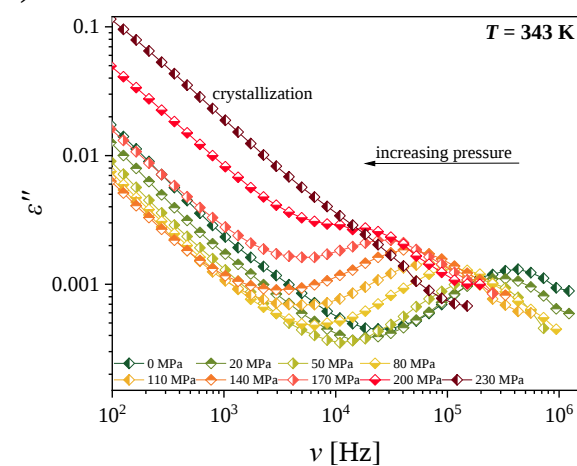
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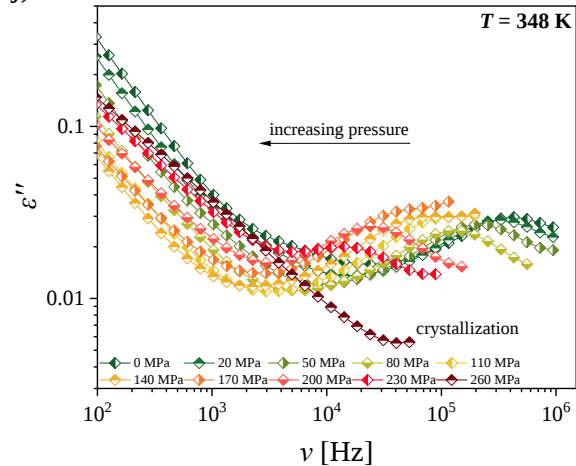
h)



i)



j)



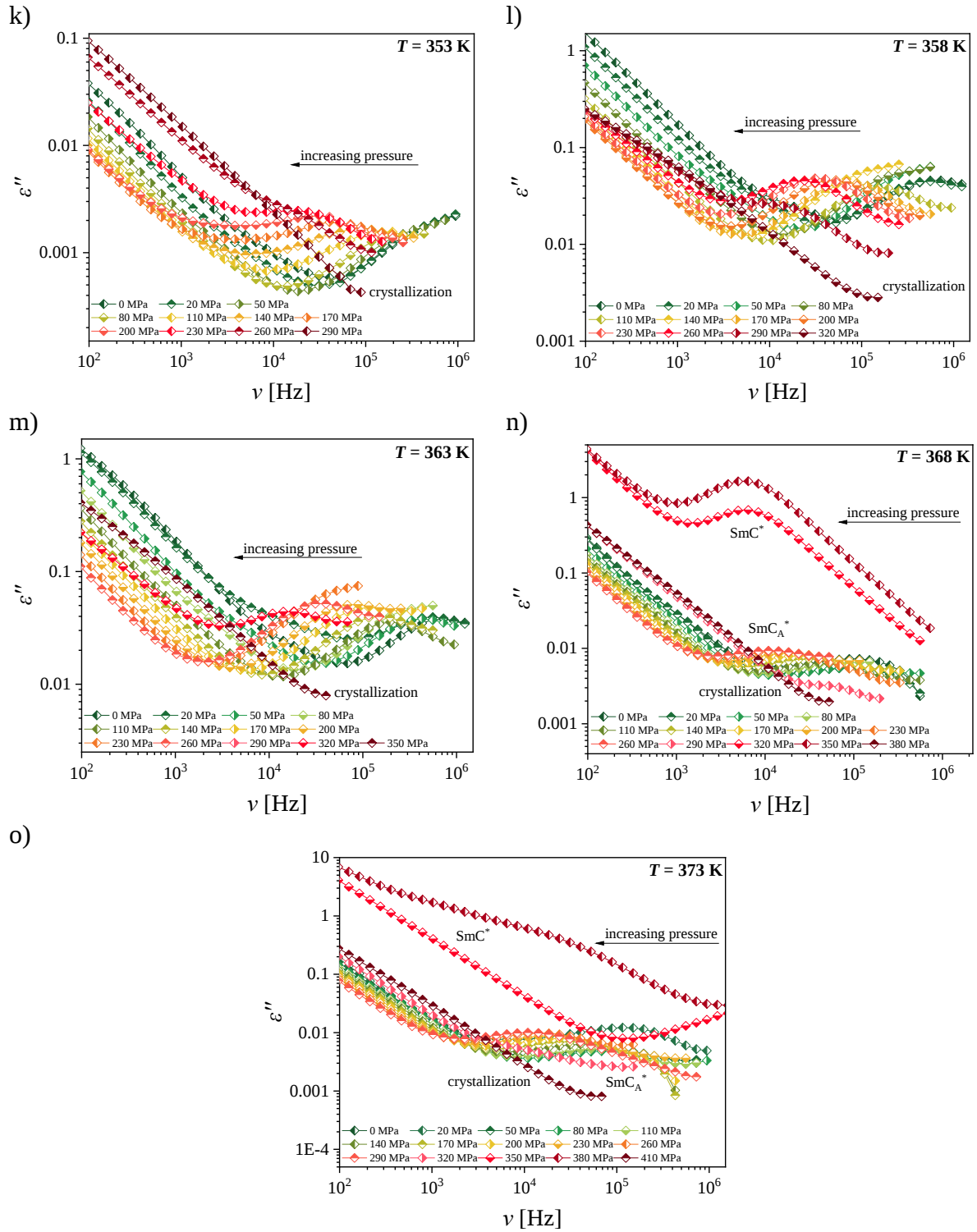


Fig. S1. The dielectric loss ϵ'' vs. frequency ν spectra measured under various pressure conditions at isotherms:

a) 303 K; b) 308 K; c) 313 K; d) 318 K; e) 323 K; f) 328 K; g) 333 K; h) 338 K;
i) 343 K; j) 348 K; k) 353 K; l) 358 K; m) 363 K; n) 368 K; o) 373 K.

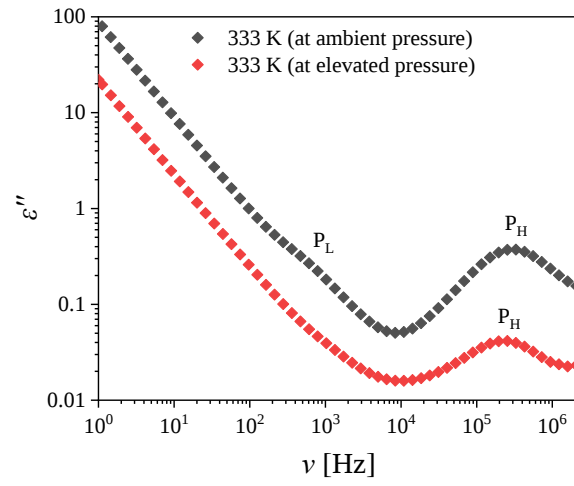
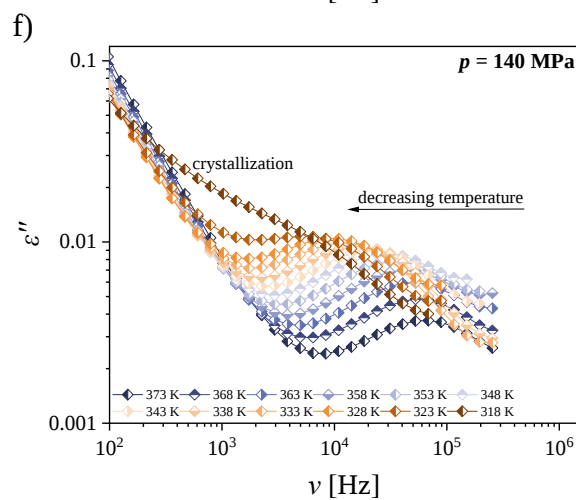
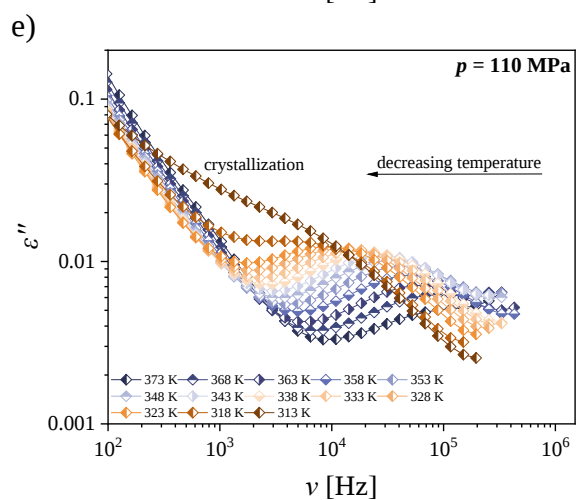
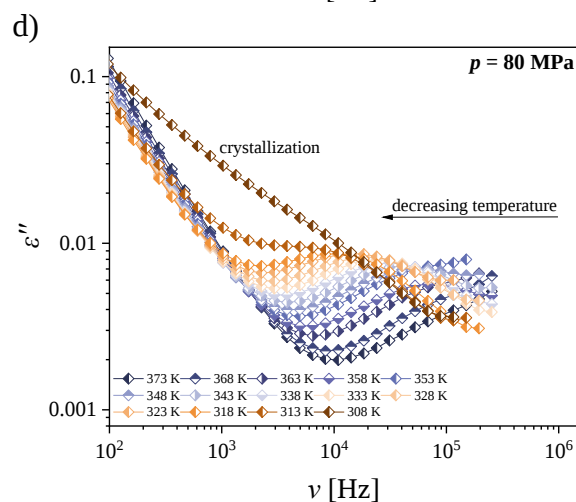
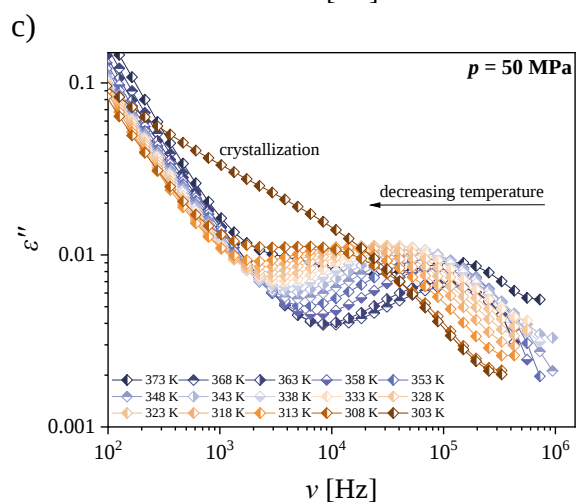
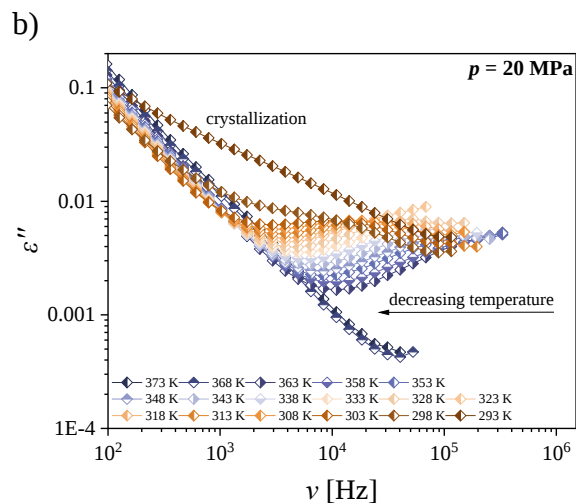
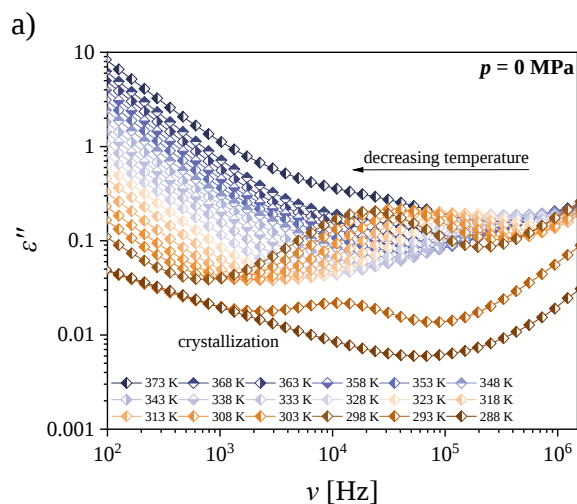


Fig. S2. The comparison of BDS spectra measured at 333 K at ambient pressure and at elevated pressure. P_H and P_L are the high-frequency anti-phase and the low-frequency in-phase phasons visible in the SmCA^* phase, respectively.



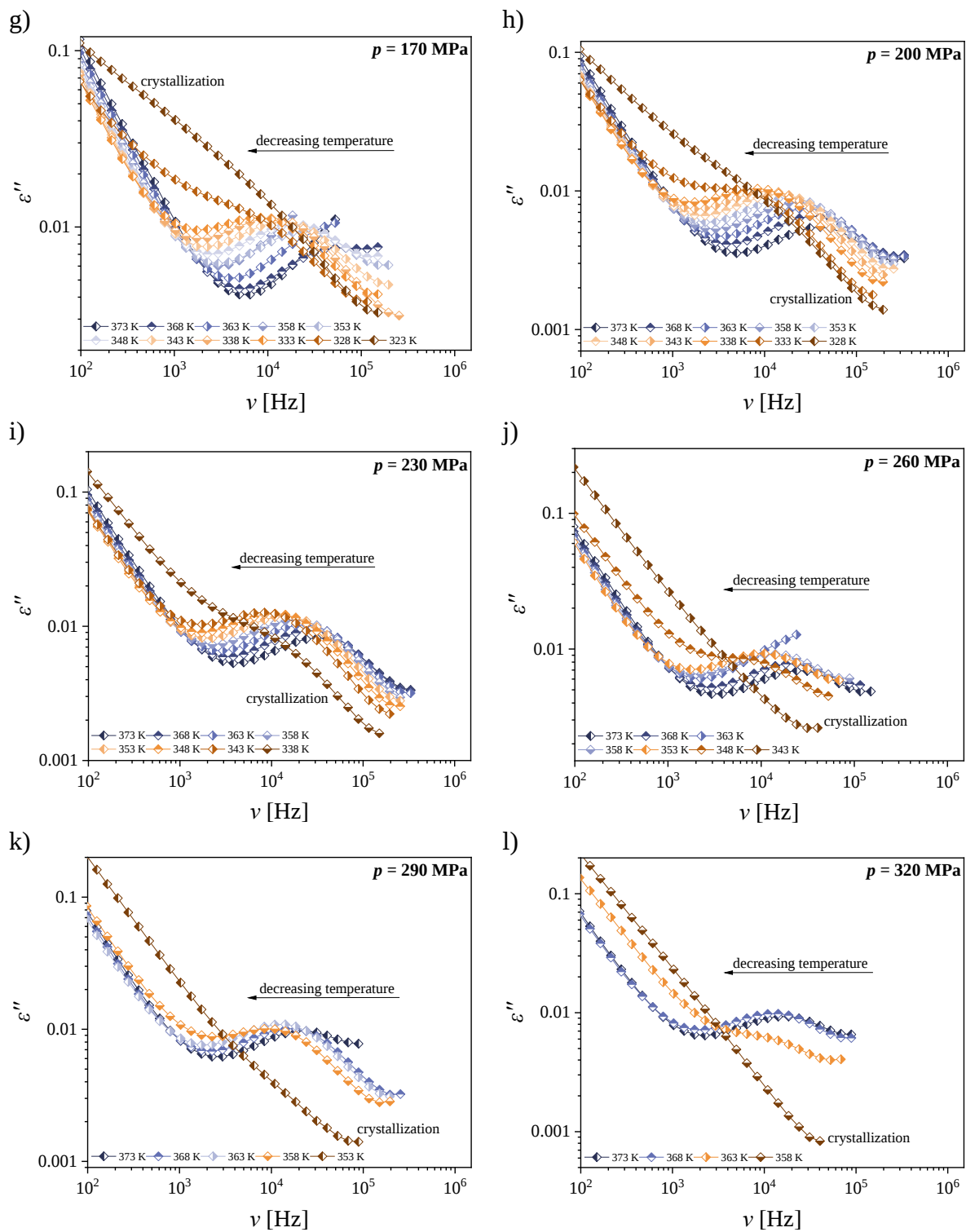


Fig. S3. The dielectric loss ϵ'' vs. frequency ν spectra measured under various temperatures at isobars:

a) 0 MPa; b) 20 MPa; c) 50 MPa; d) 80 MPa; e) 110 MPa; f) 140 MPa;

g) 170 MPa; h) 200 MPa; i) 230 MPa; j) 260 MPa; k) 290 MPa; l) 320 MPa.