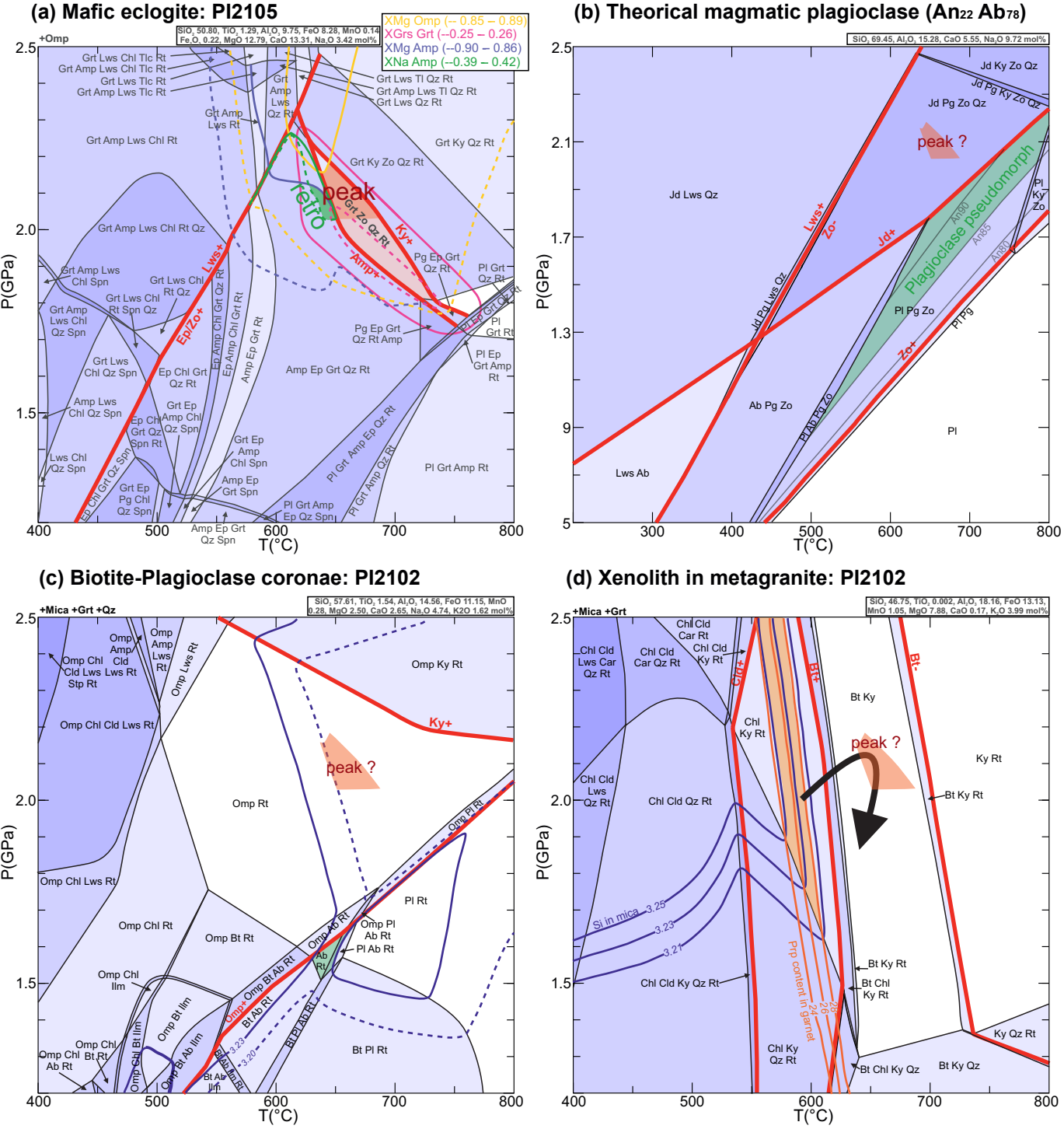
(a) Mafic eclogite: Pl2105
+Omp
SiO2 50.80, TiO2 1.29, Al2O3 9.75, FeO 8.28, MnO 0.14, Fe2O3 0.22, MgO 12.79, CaO 13.31, Na2O 3.42 mol%
XMg Omp (~ 0.85 – 0.89)
XGrs Grt (~0.25 – 0.26)
XMg Amp (~0.90 – 0.86)
XNa Amp (~0.39 – 0.42)
peak
retro
Lws+
Ky+
Amp+
Epi/Zo+
P(GPa)
T(°C)
(b) Theorical magmatic plagioclase (An22 Ab78)
SiO2 69.45, Al2O3 15.28, CaO 5.55, Na2O 9.72 mol%
peak ?
Plagioclase pseudomorph
Lws+
Zo+
Jd+
An90
An85
An80
P(GPa)
T(°C)
(c) Biotite-Plagioclase coronae: Pl2102
+Mica +Grt +Qz
SiO2 57.61, TiO2 1.54, Al2O3 14.56, FeO 11.15, MnO 0.28, MgO 2.50, CaO 2.65, Na2O 4.74, K2O 1.62 mol%
Ky+
peak ?
Omp+
P(GPa)
T(°C)
(d) Xenolith in metagranite: Pl2102
+Mica +Grt
SiO2 46.75, TiO2 0.002, Al2O3 18.16, FeO 13.13, MnO 1.05, MgO 7.88, CaO 0.17, K2O 3.99 mol%
Chl+
Bt+
Bt-
peak ?
Si in mica
Prp content in garnet
P(GPa)
T(°C)