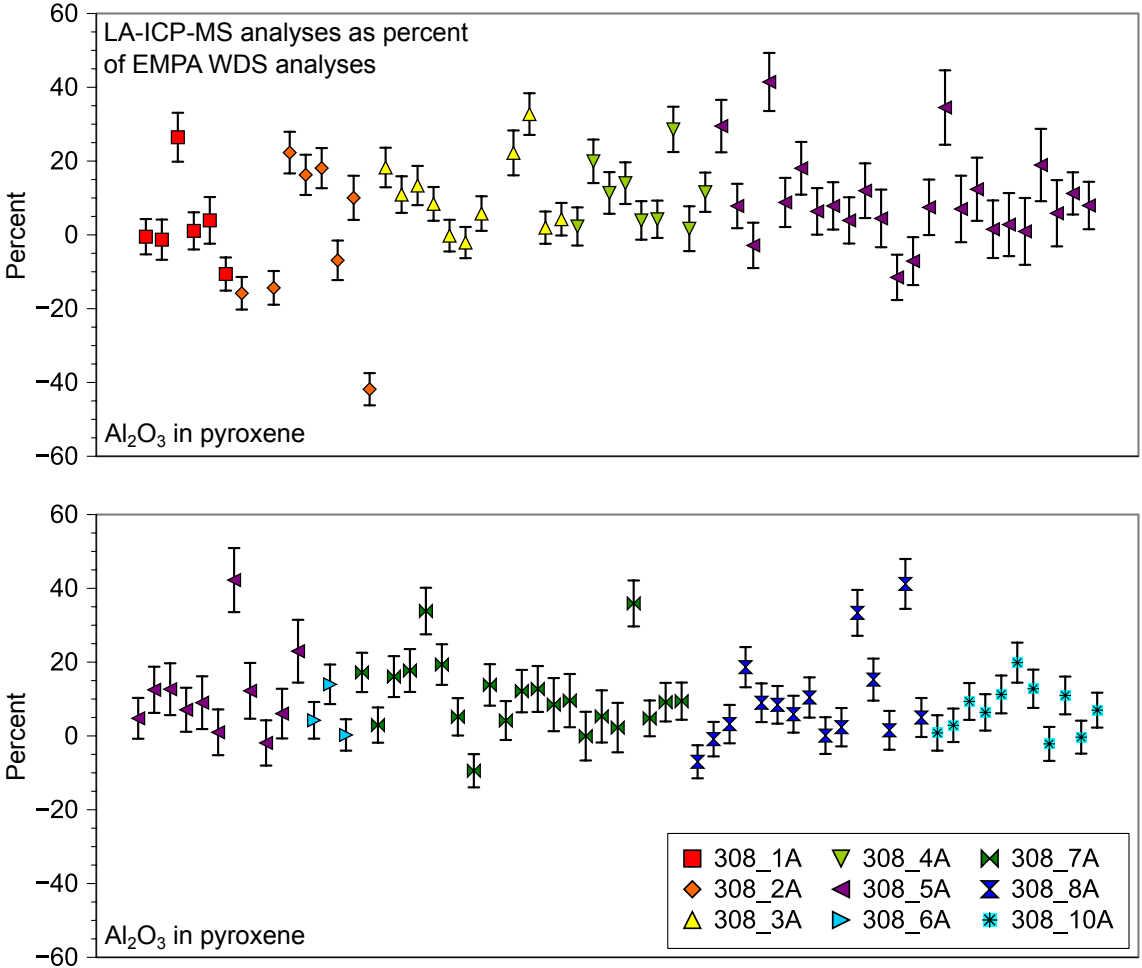
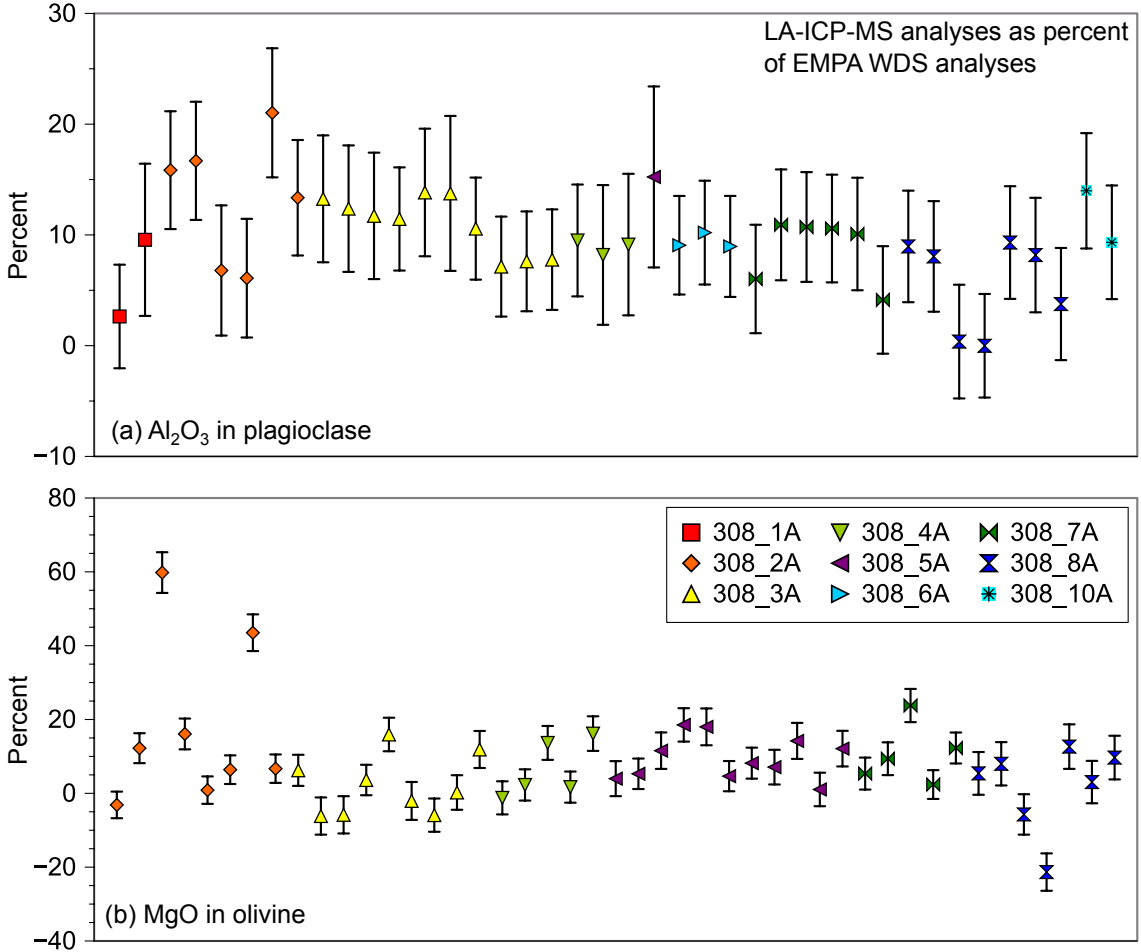


LA-ICP-MS analyses of pyroxene in the 12003,308 samples plotted as percent values of the corresponding WDS analyses. Errors for LA-ICP-MS are 1σ errors calculated by the Glitter software. Errors for the WDS data are 1σ standard deviations calculated from repeat analyses of the USGS BCR-2 basaltic glass reference material. These errors were combined using the formula: $\sigma_{combined}^2 = \sigma_{WDS}^2 + \sigma_{LA\text{-}ICP\text{-}MS}^2$



LA-ICP-MS analyses of (a) plagioclase and (b) olivine in the 12003,308 samples plotted as percent values of the corresponding WDS analyses. Errors for LA-ICP-MS are 1σ errors calculated by the Glitter software. Errors for the WDS data are 1σ standard deviations calculated from repeat analyses of the USGS BCR-2 basaltic glass reference material. These errors were combined using the formula: $\sigma_{combined}^2 = \sigma_{WDS}^2 + \sigma_{LA\text{-}ICP\text{-}MS}^2$