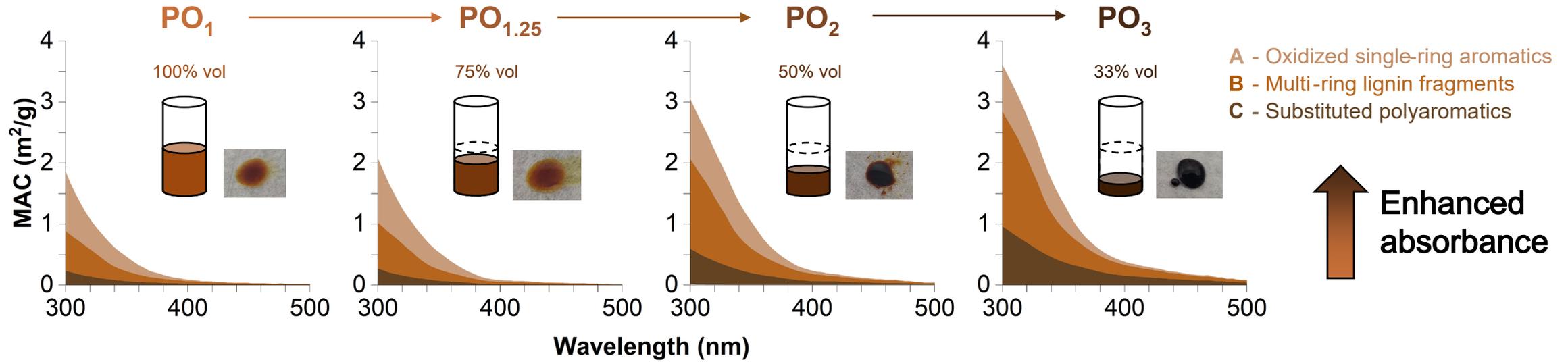


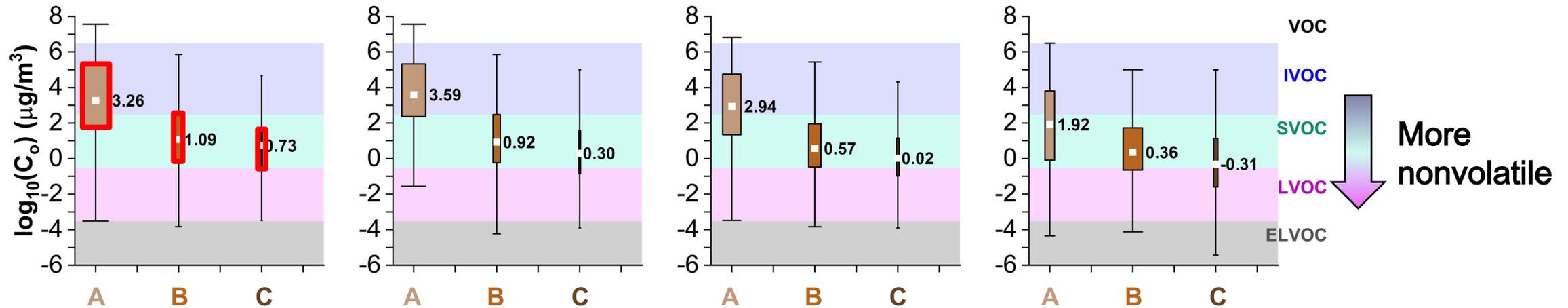
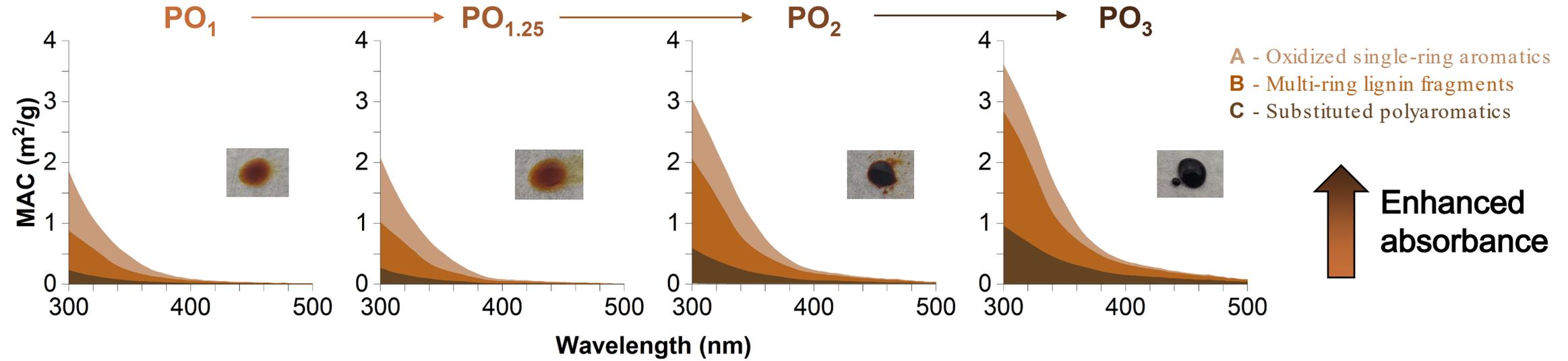
Evaporation of Volatile Compounds Darkens BrC



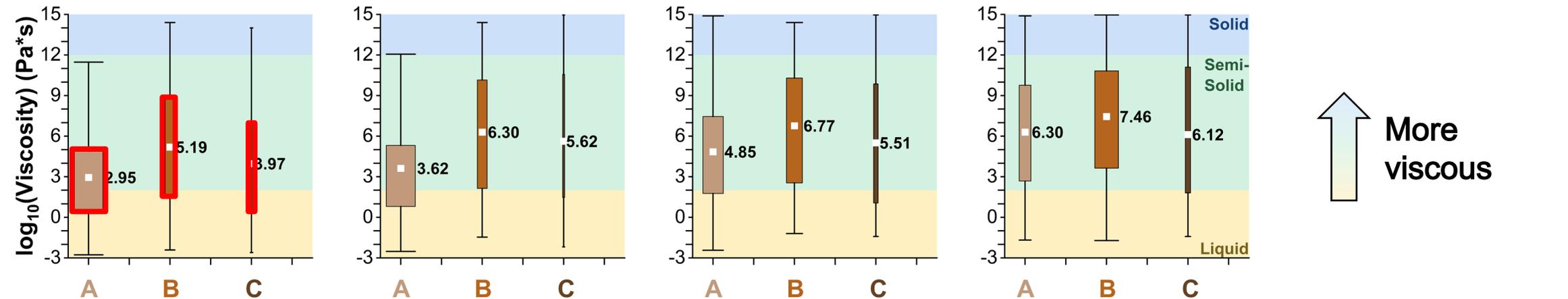
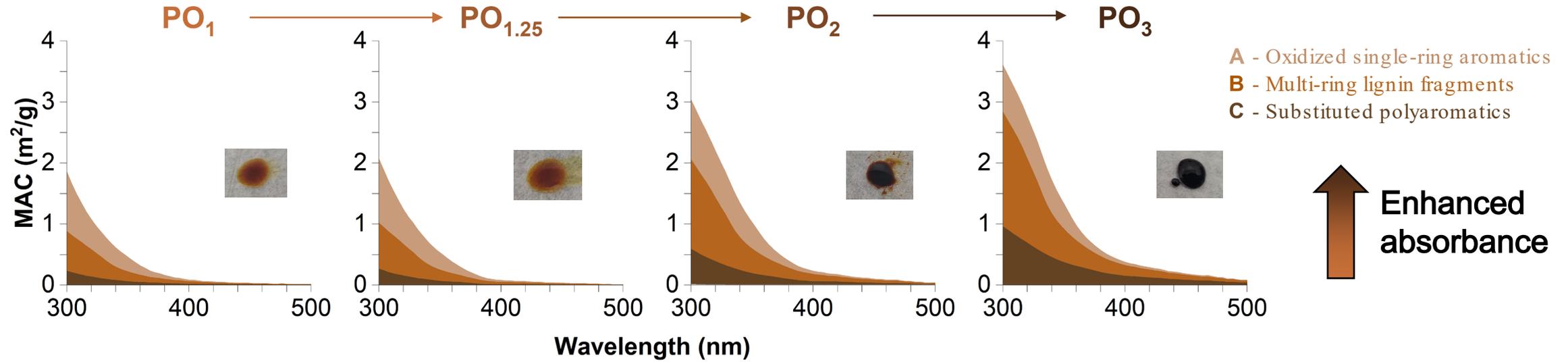
Enhanced absorbance

More lignin fragments and PAH species

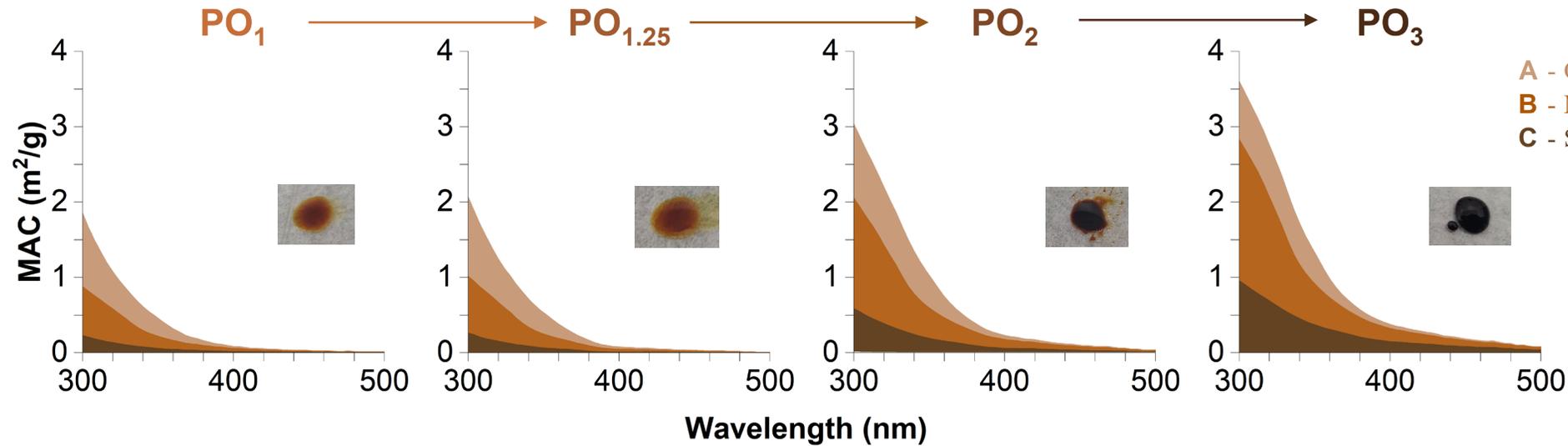
Observed Changes in BrC Volatility



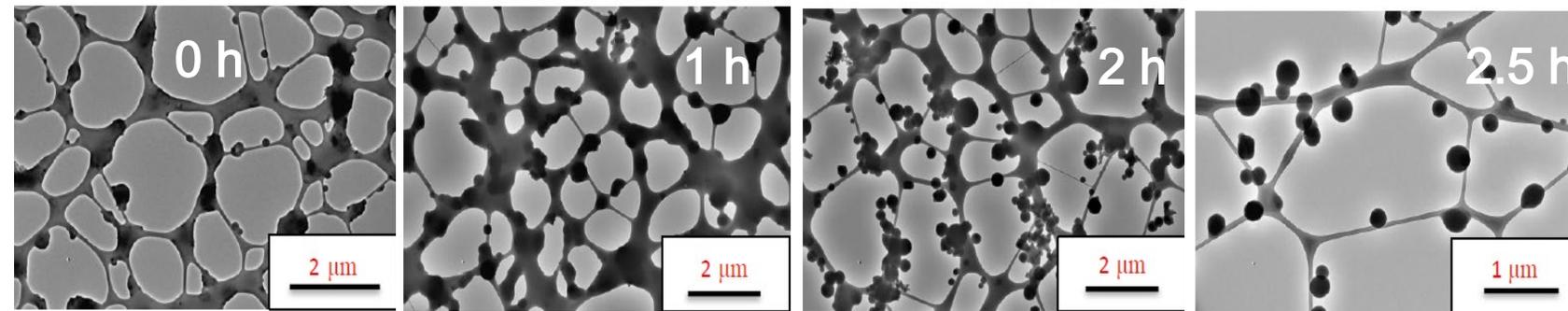
Observed Changes in BrC Viscosity



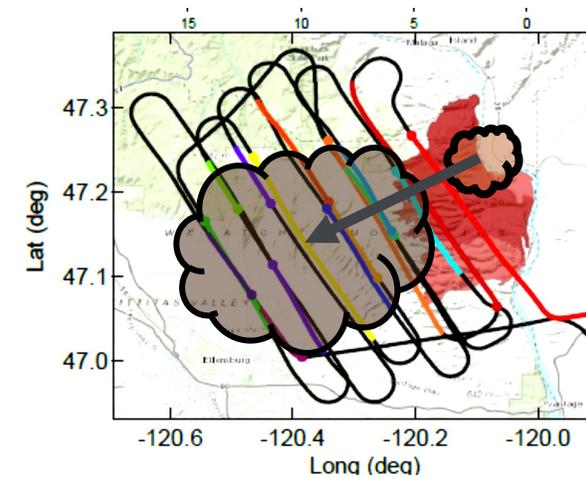
Comparison with BBOP Field Study



Close to Source



Plume Dilution factor 1 ~0.75 ~0.5 ~0.25



Sedlacek et al., *ACP*2018