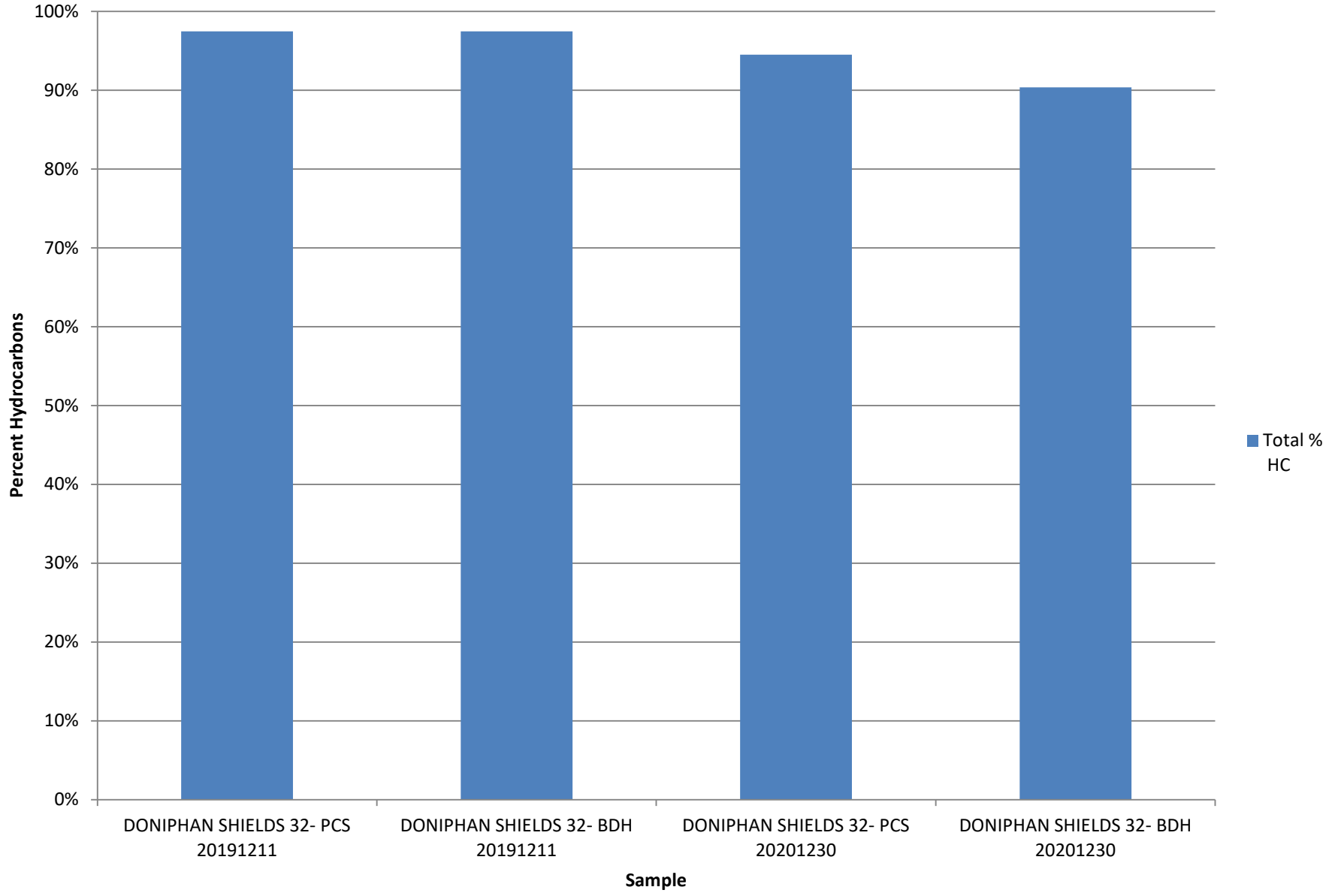
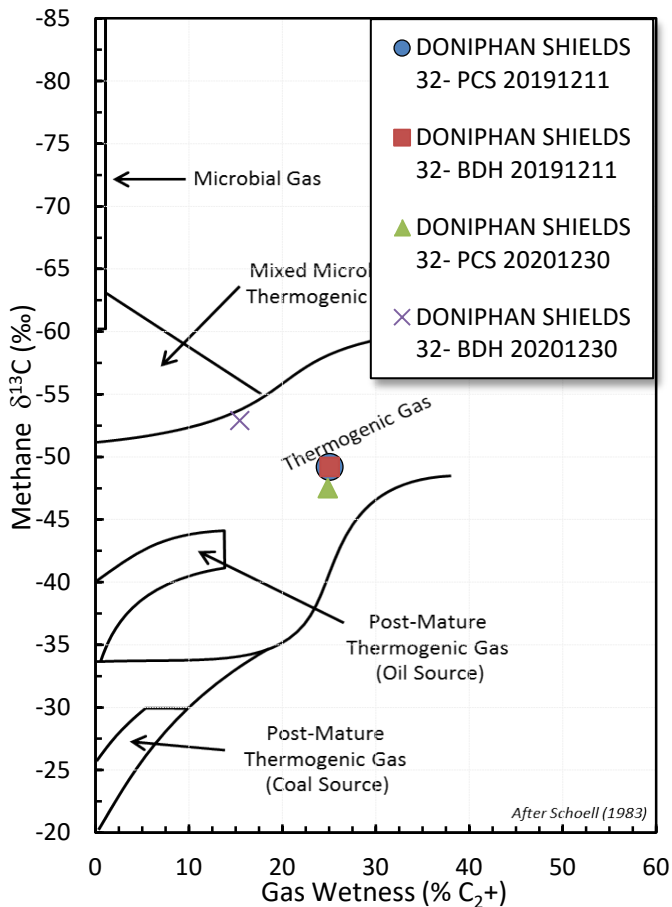


Total Percent Hydrocarbons

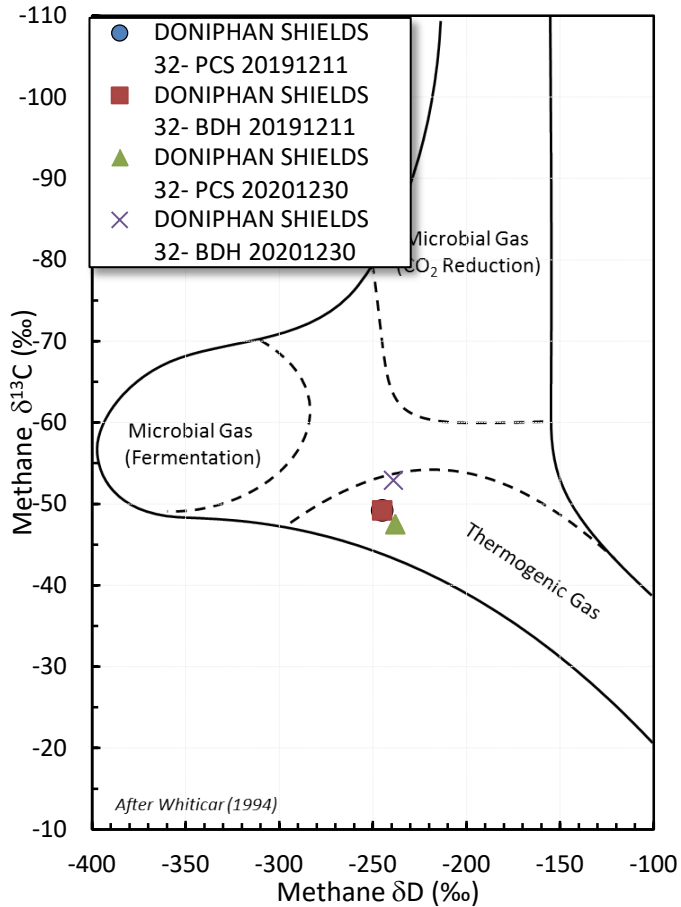


Stable Isotope Interpretive Plots

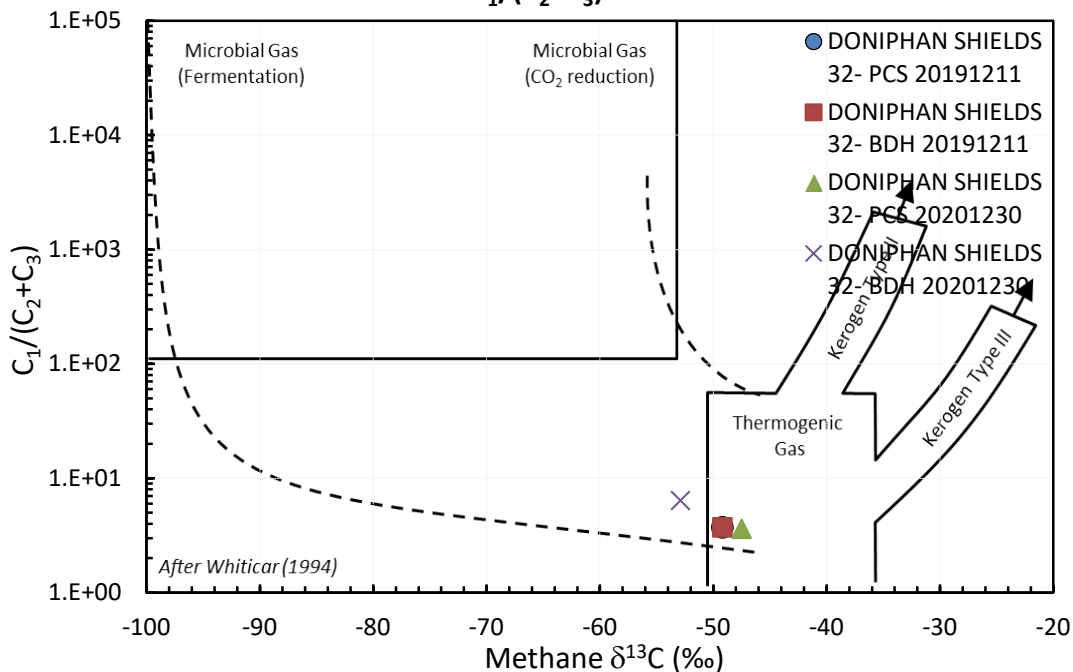
Methane vs Gas Wetness Genetic Classification



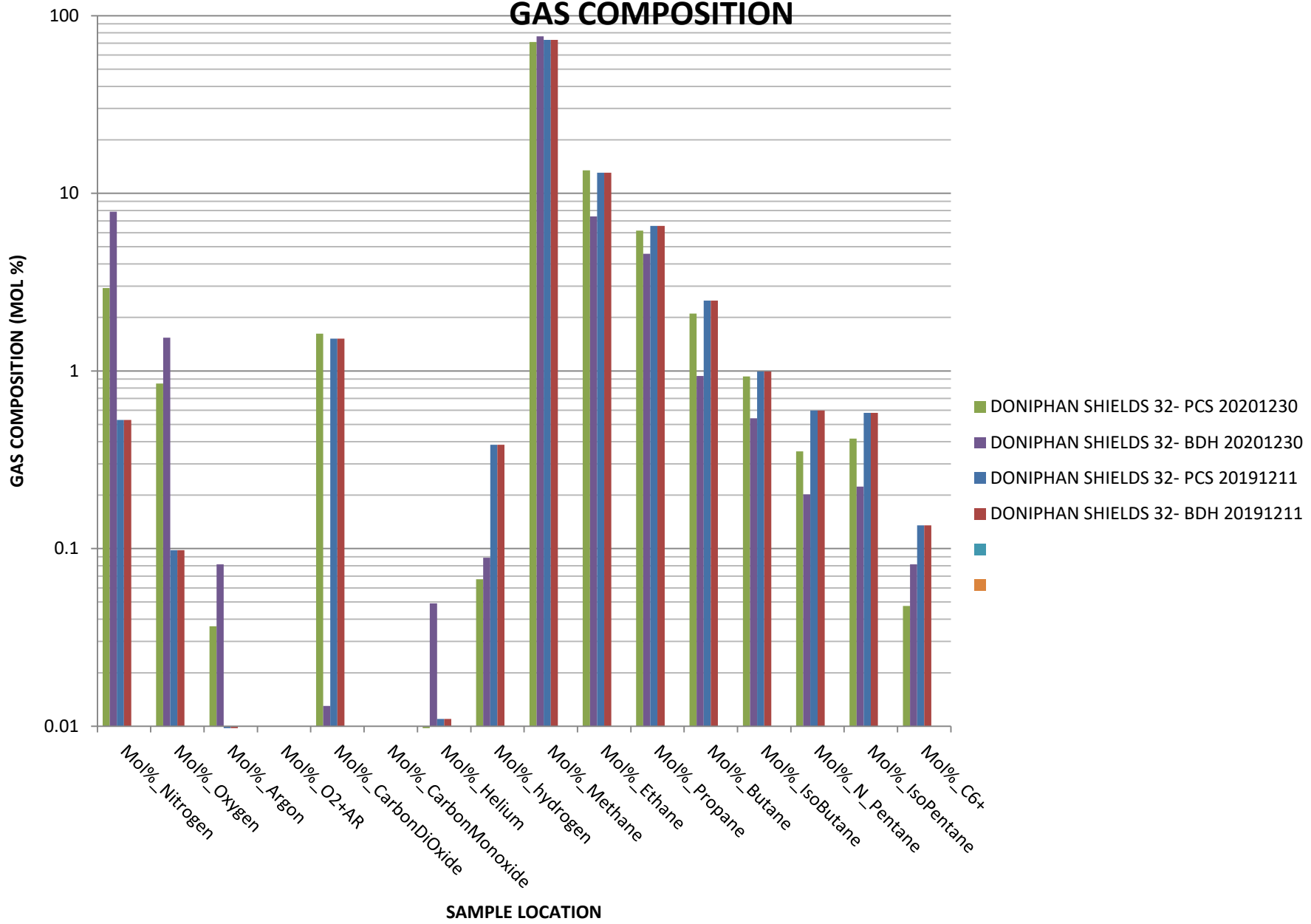
Methane $\delta^{13}\text{C}$ vs δD Genetic Classification Plot



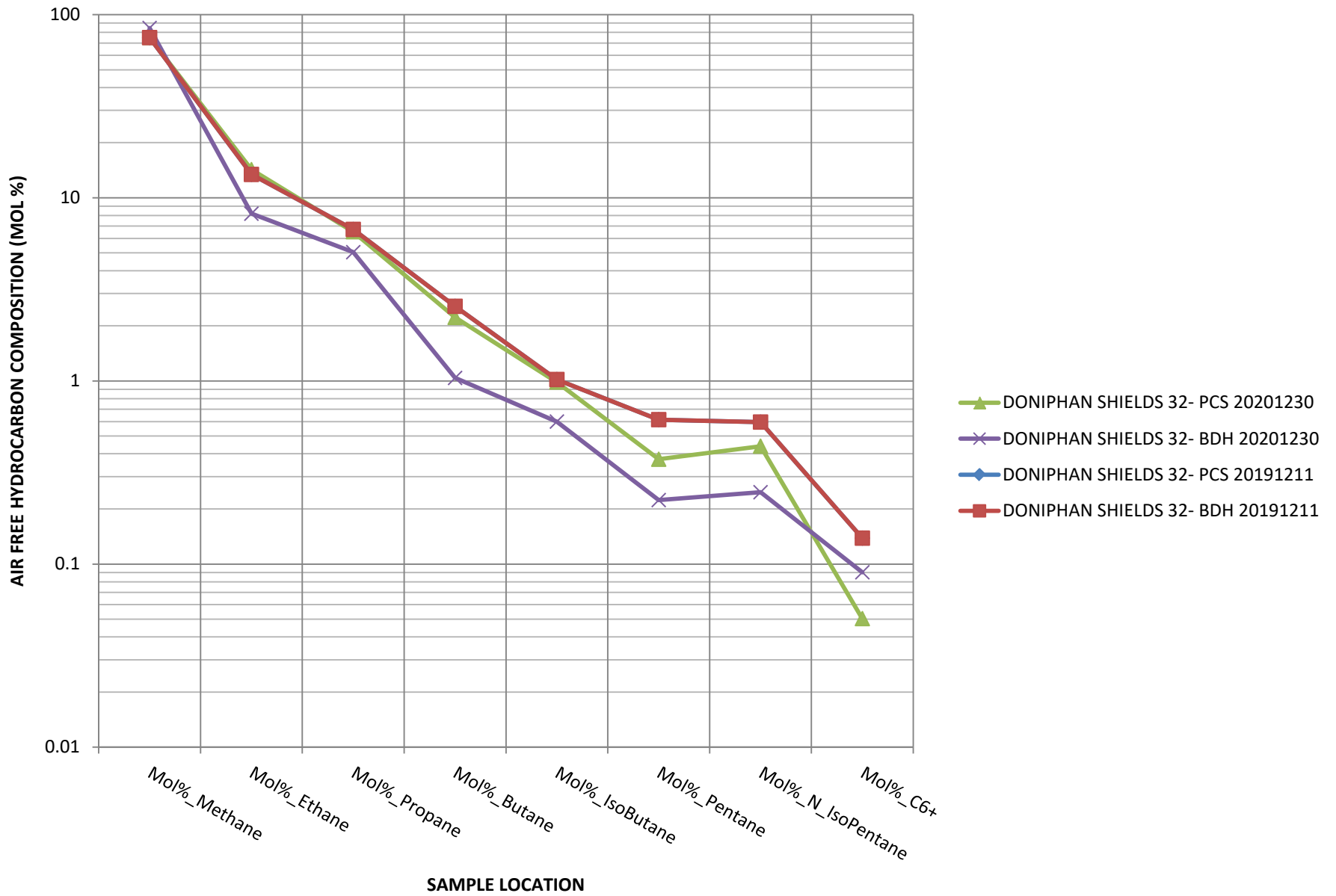
Methane $\delta^{13}\text{C}$ vs $\text{C}_1/(\text{C}_2+\text{C}_3)$ Genetic Classification Plot

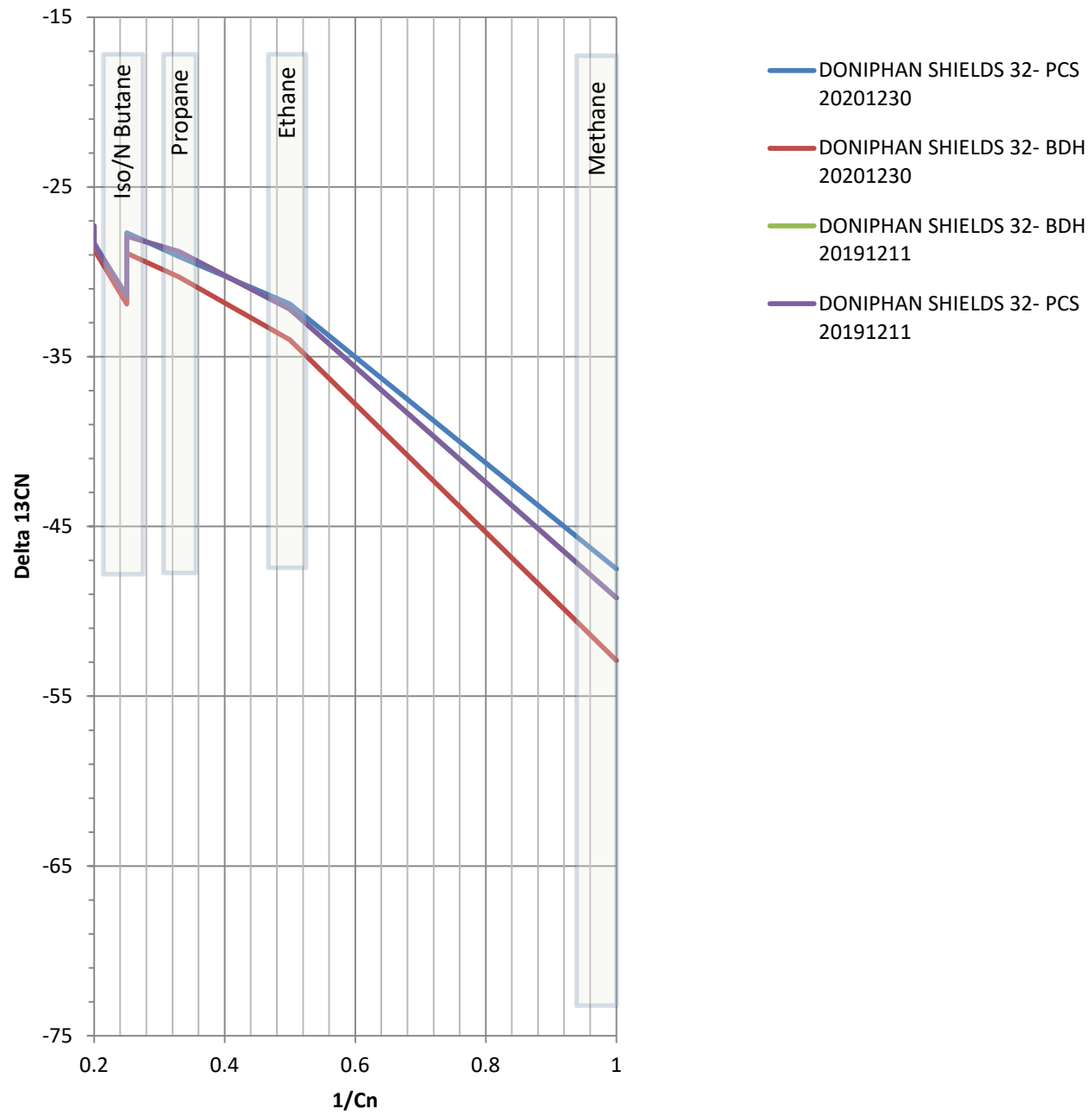


GAS COMPOSITION

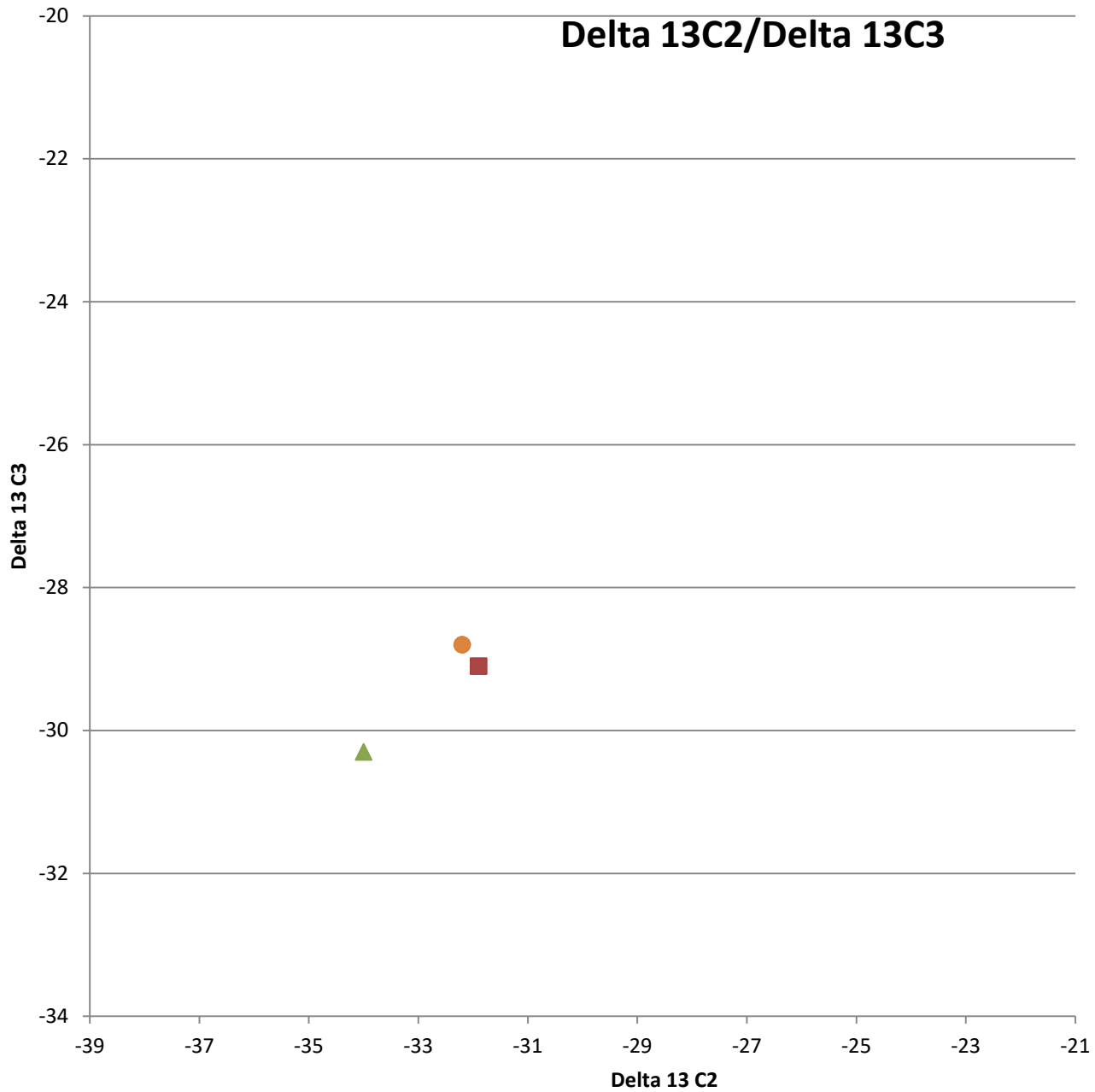


HYDROCARBON COMPOSITION

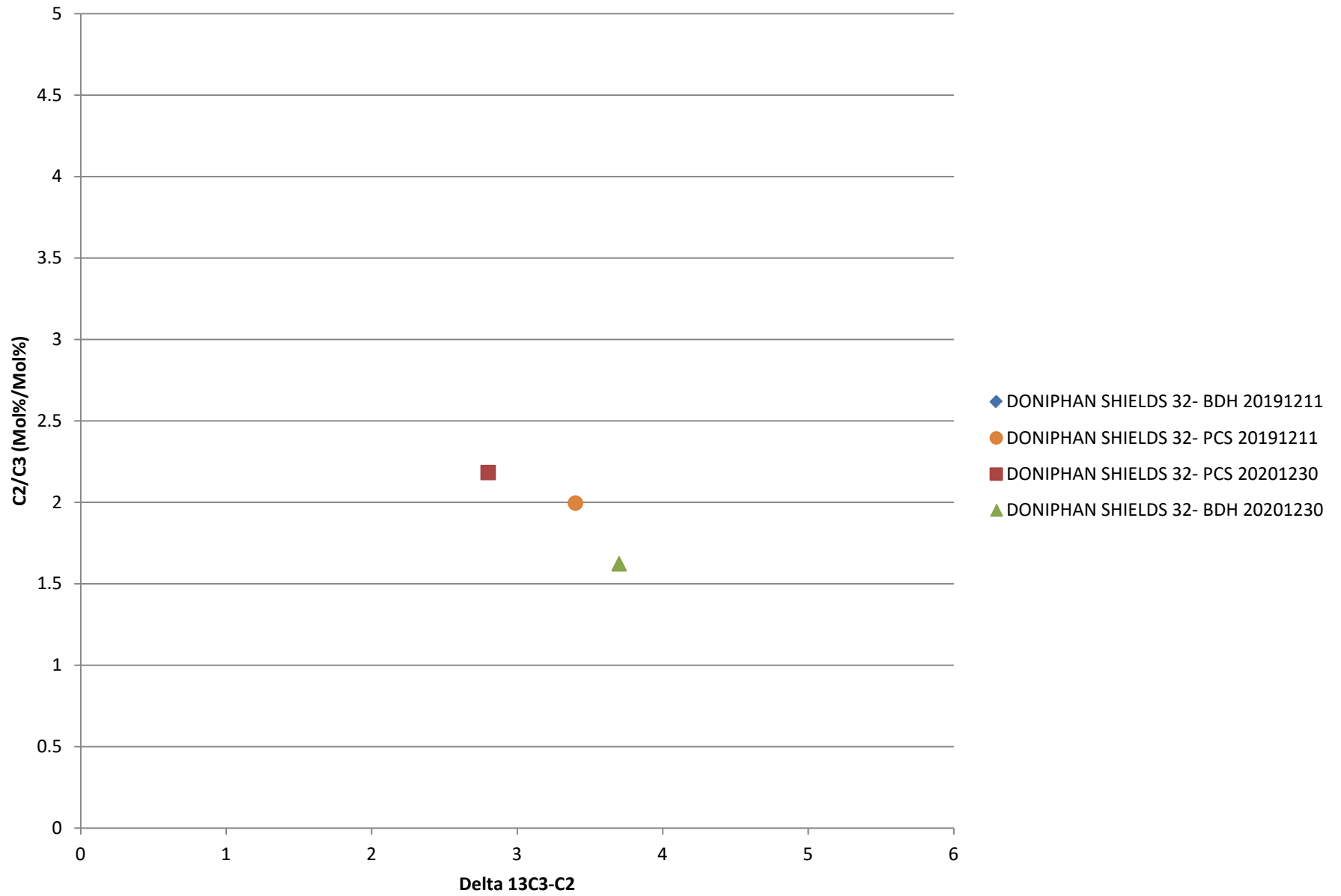




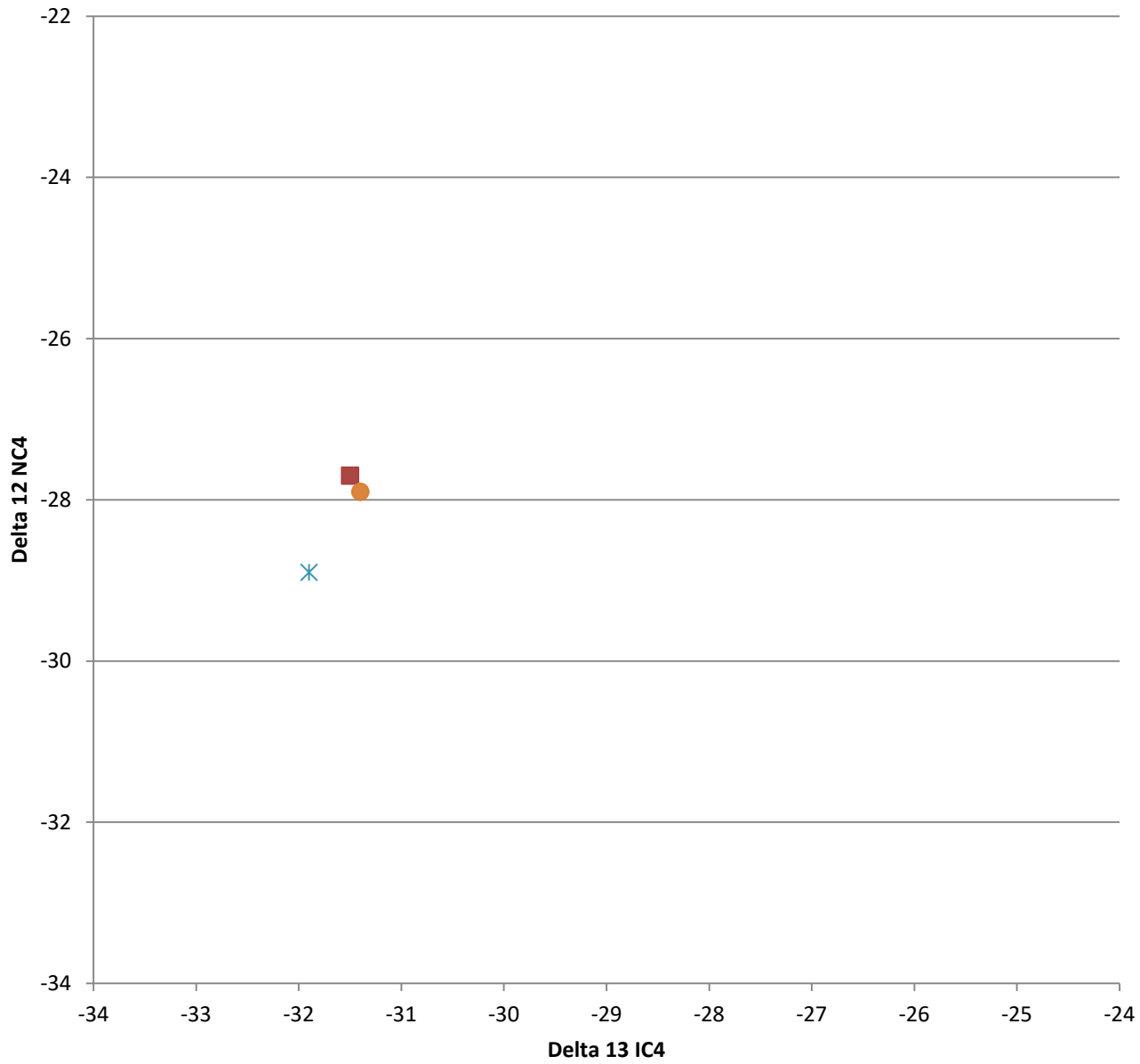
Delta 13C2/Delta 13C3



Delta13 C2/C3 vs. Delta 13C3-C2



Delta 13 IC4/ Delta NC4



■ DONIPHAN SHIELDS 32- PCS 20201230

* DONIPHAN SHIELDS 32- BDH 20201230

◆ DONIPHAN SHIELDS 32- BDH 20191211

● DONIPHAN SHIELDS 32- PCS 20191211