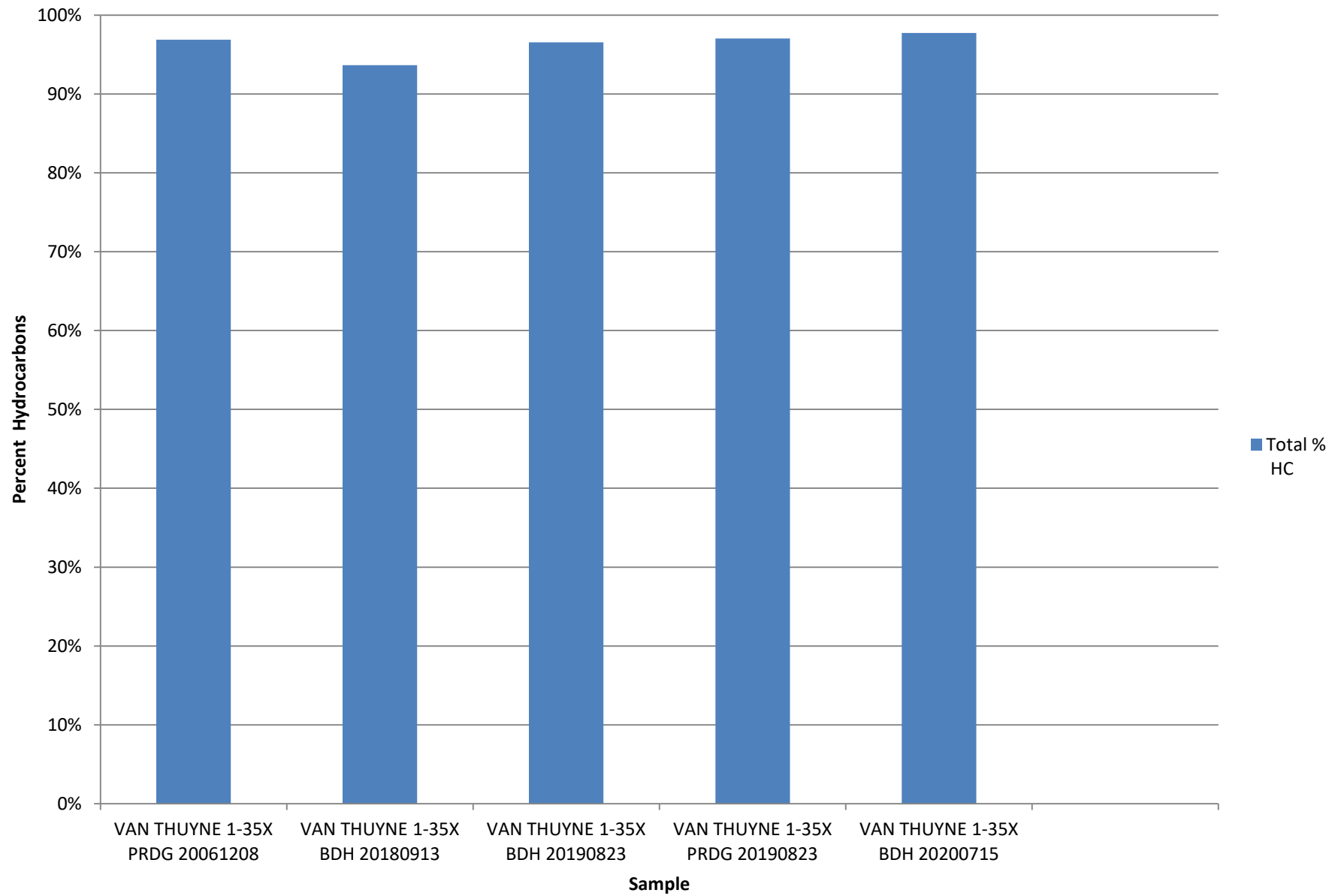
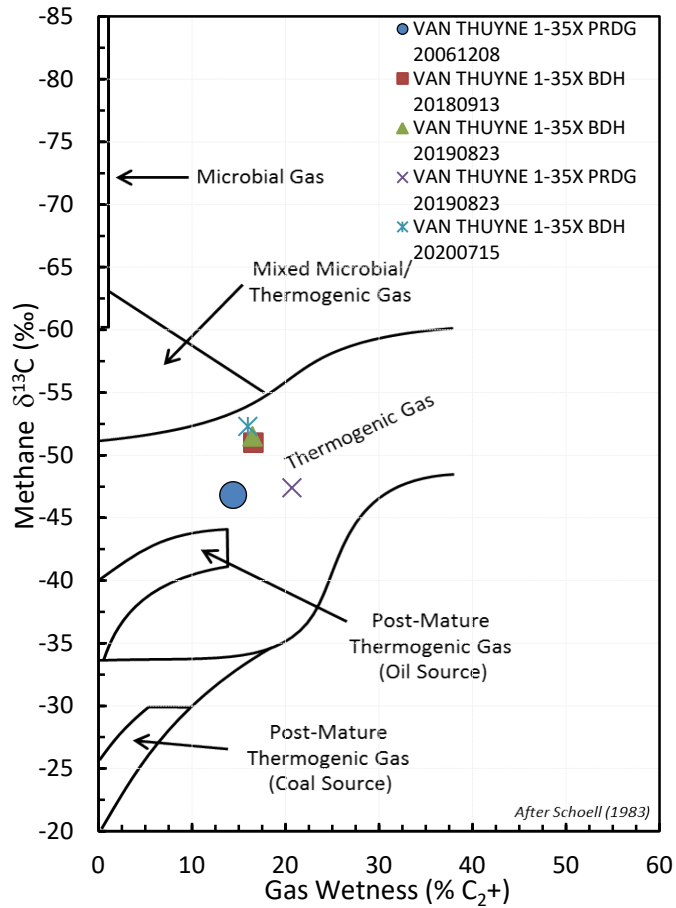


Total Percent Hydrocarbons

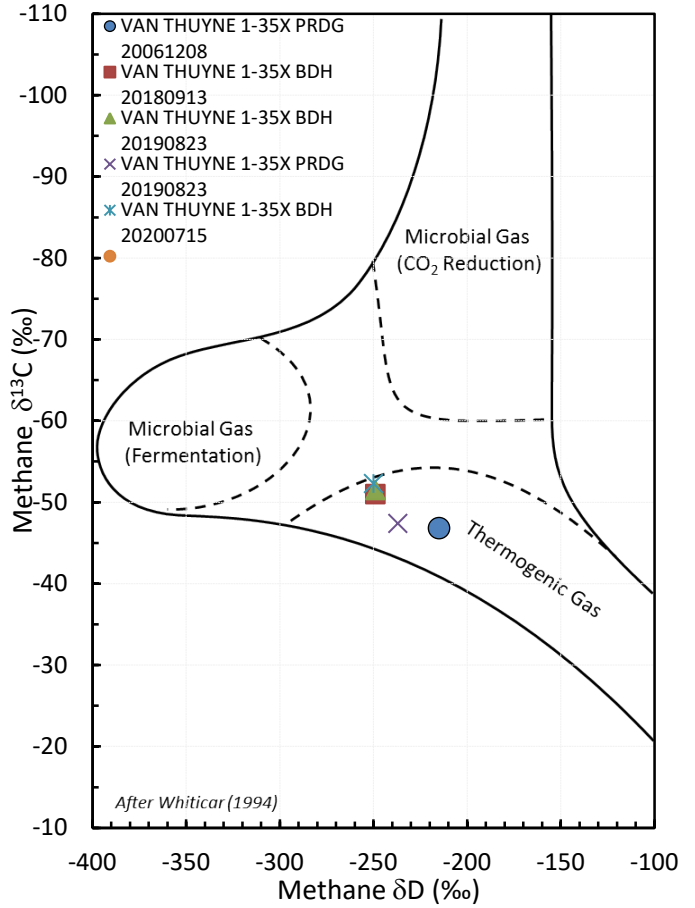


Stable Isotope Interpretive Plots

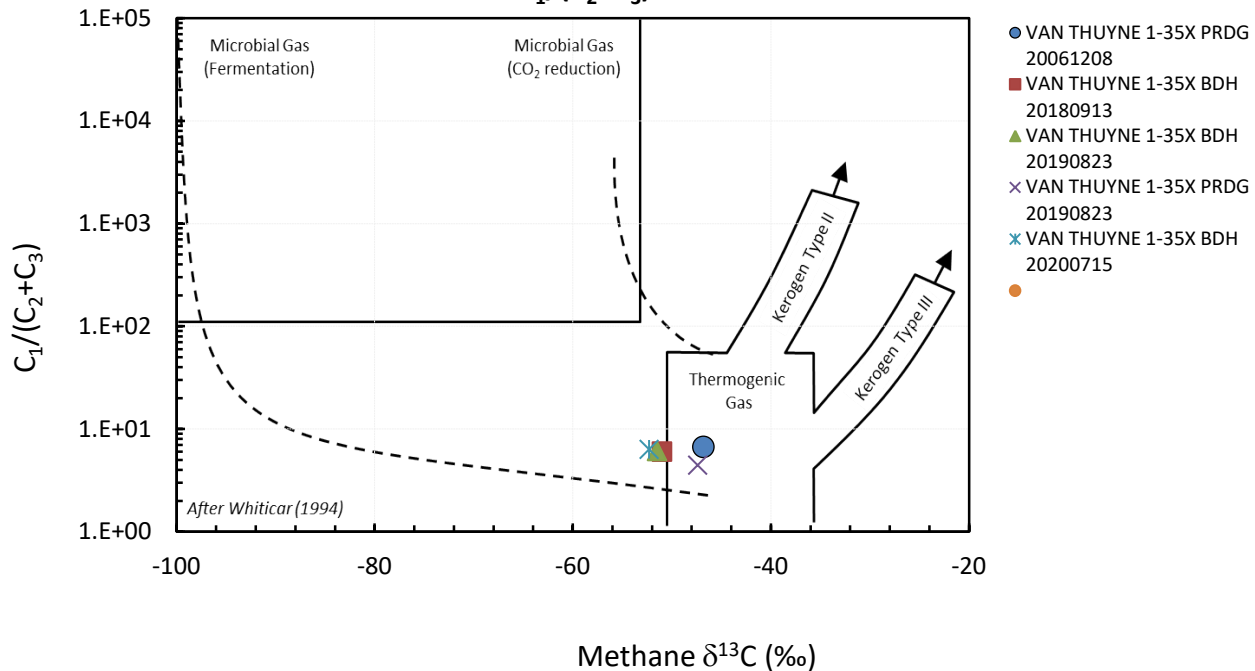
Methane vs Gas Wetness Genetic Classification

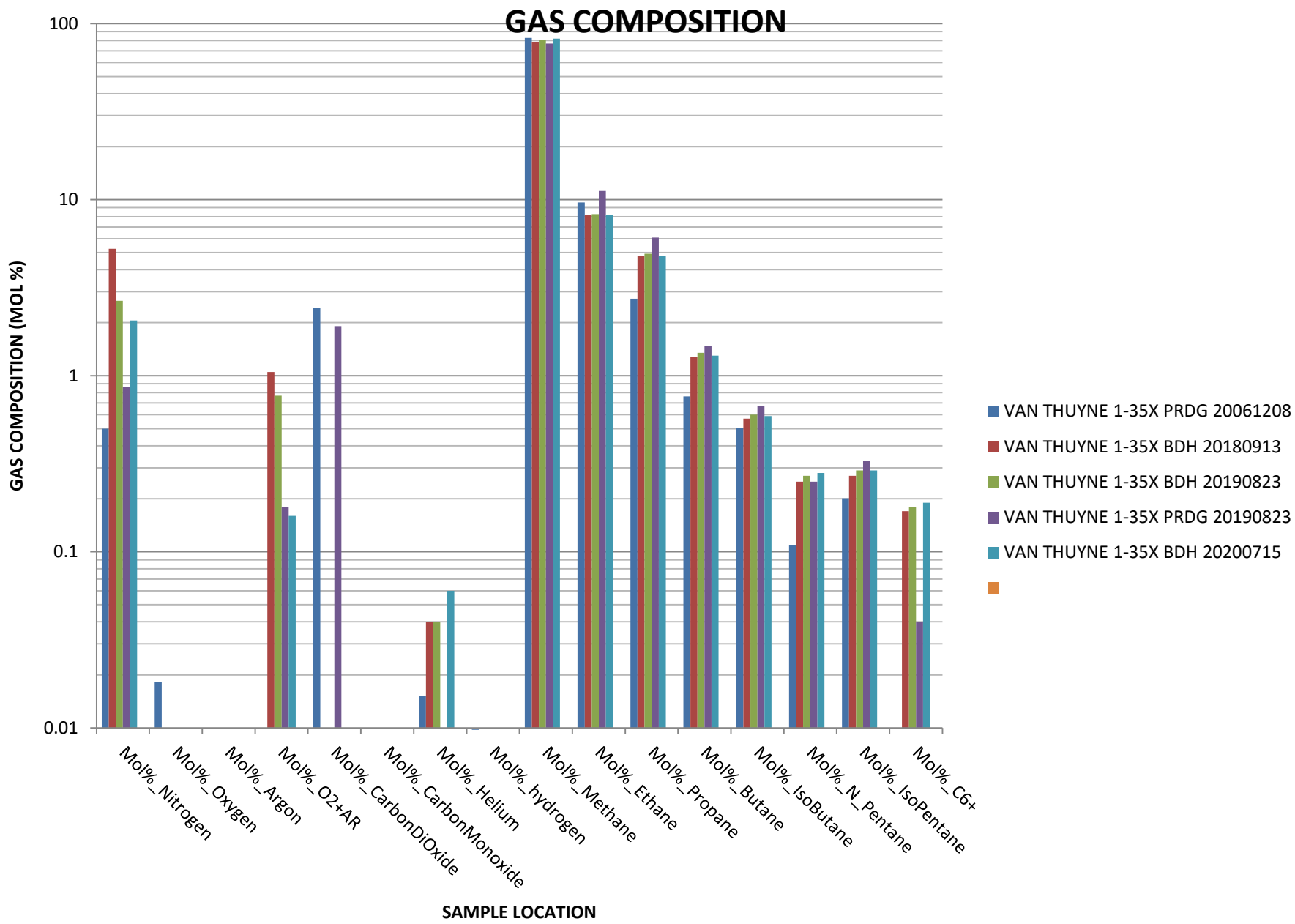


Methane $\delta^{13}\text{C}$ vs δD Genetic Classification Plot

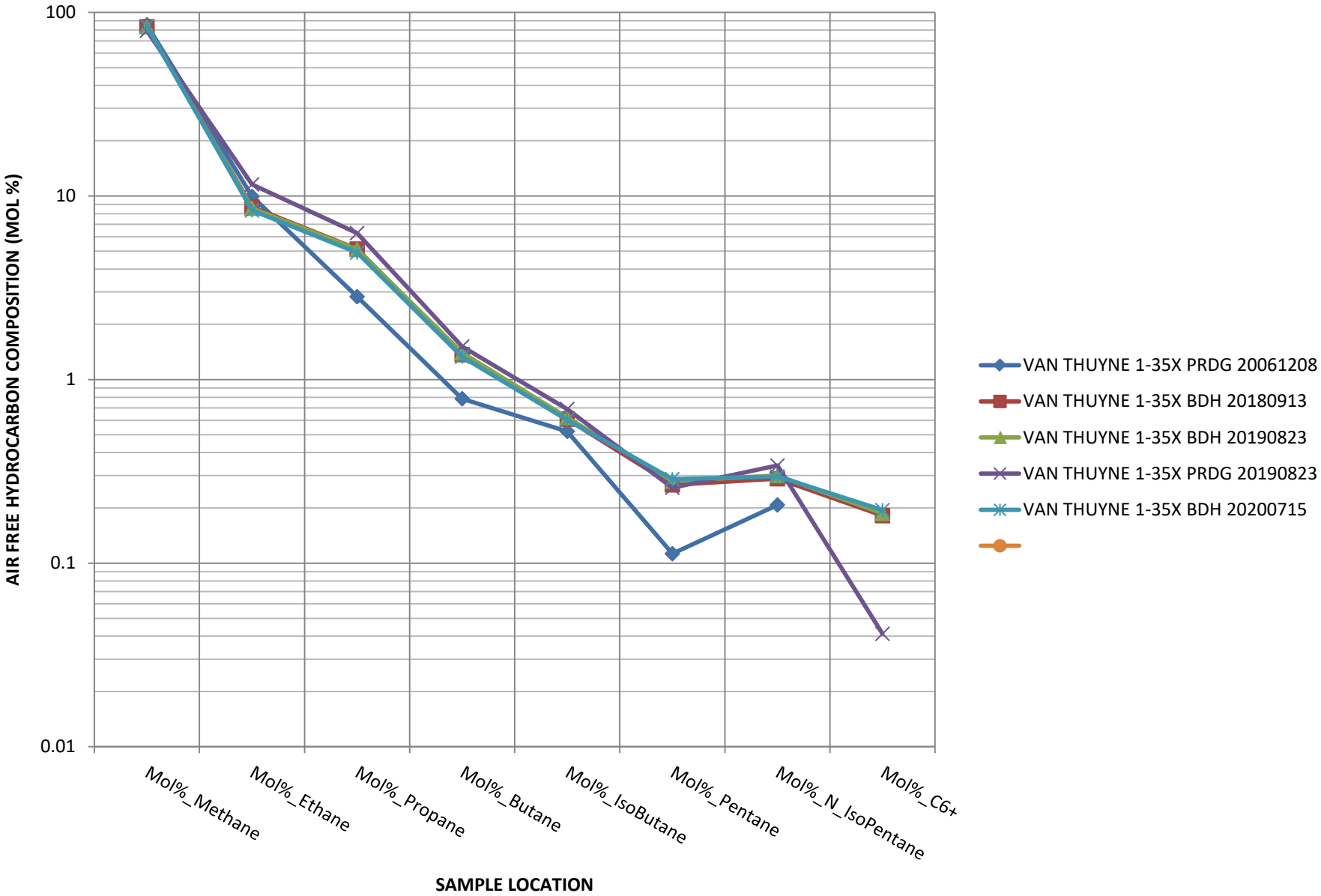


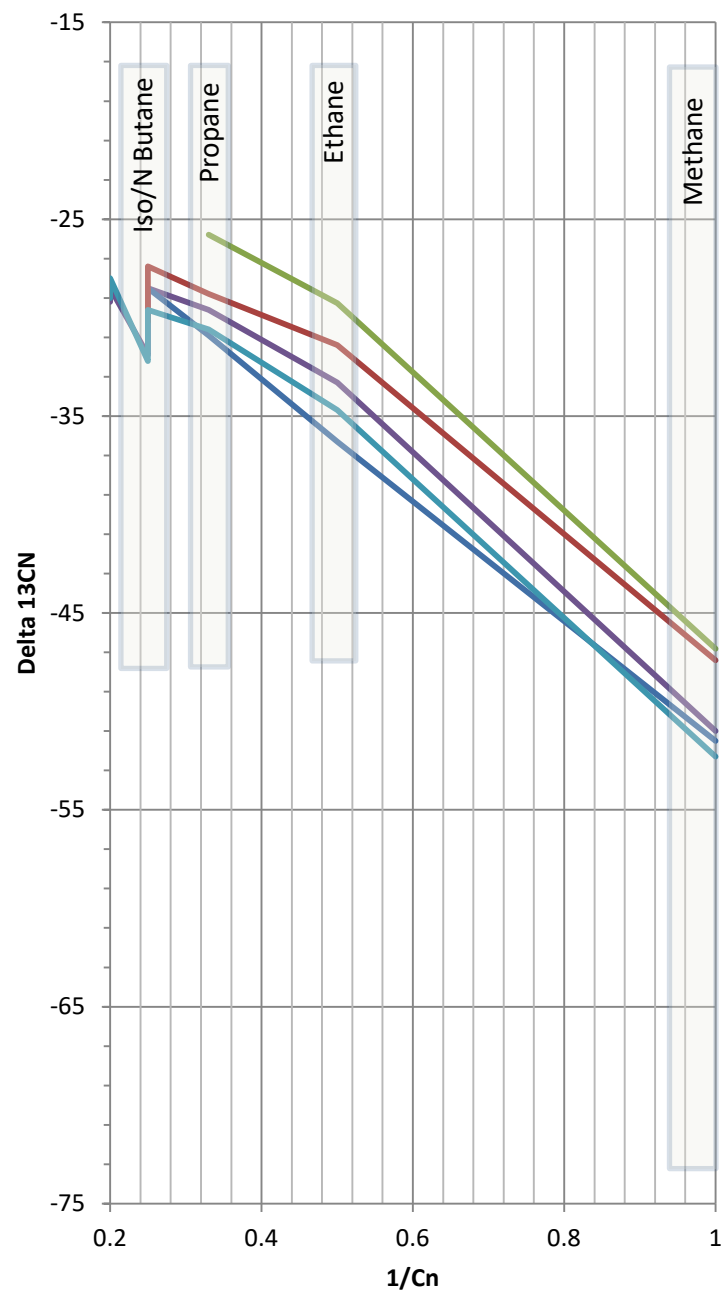
Methane $\delta^{13}\text{C}$ vs $\text{C}_1/(\text{C}_2+\text{C}_3)$ Genetic Classification Plot



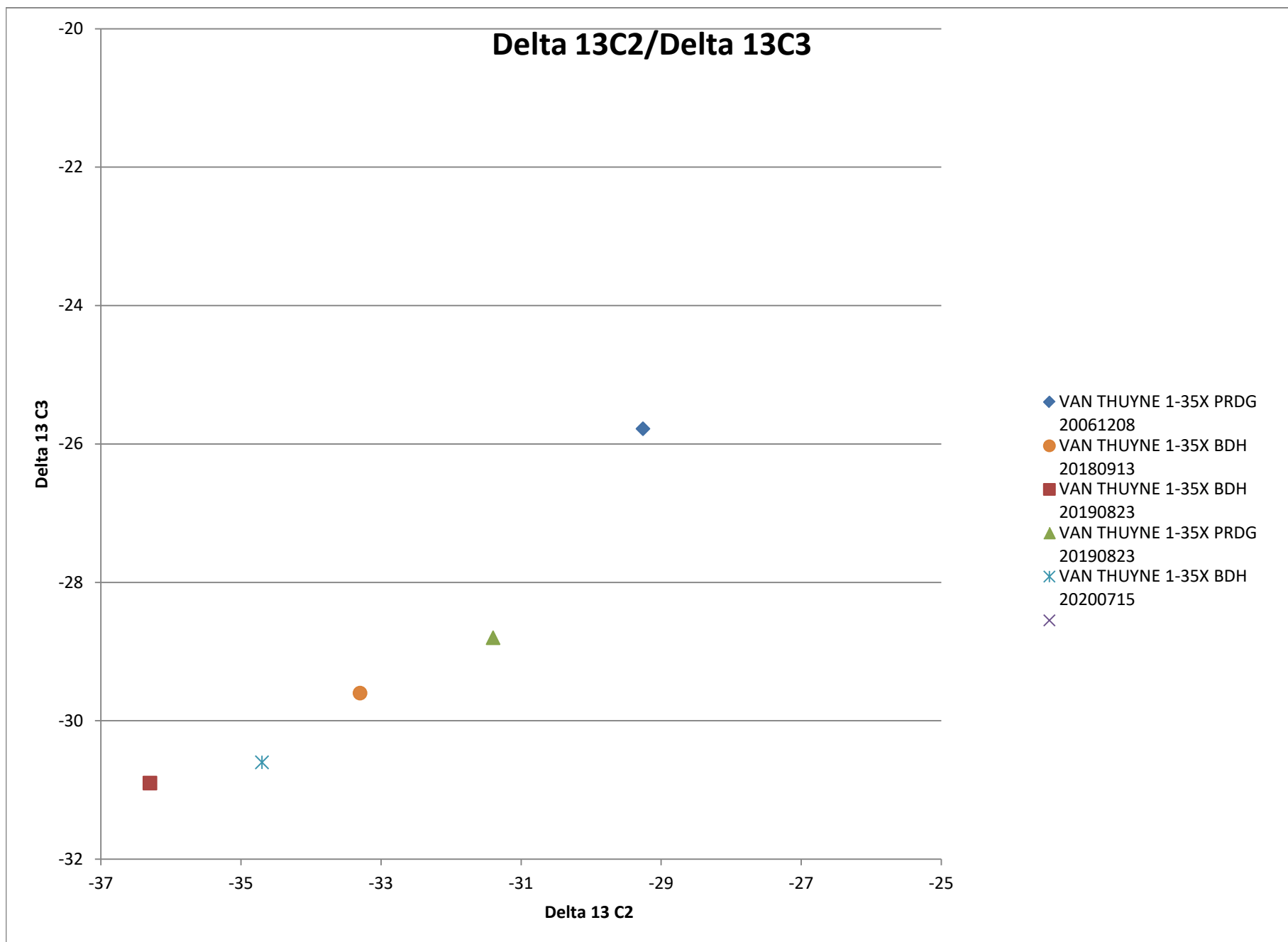


HYDROCARBON COMPOSITION

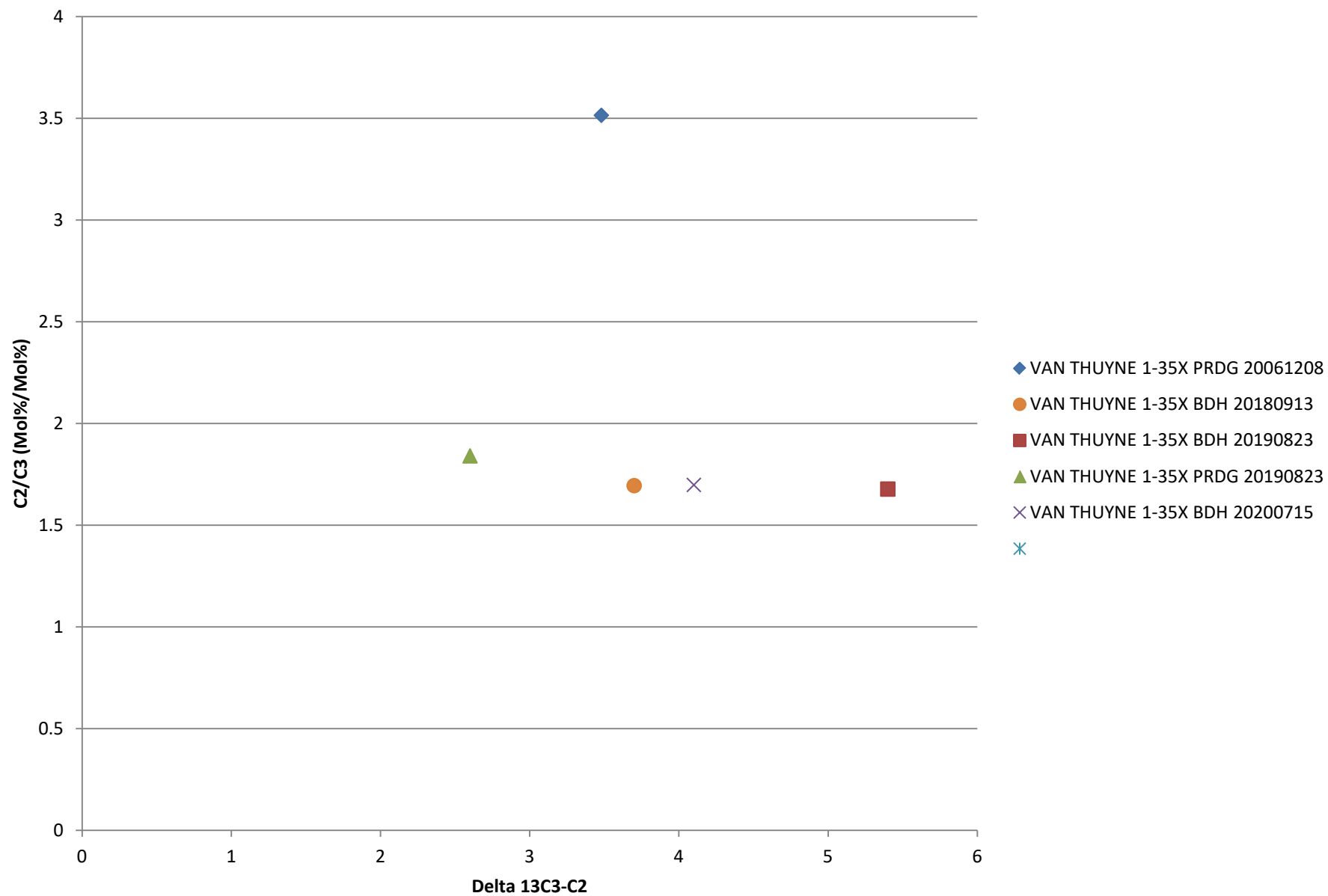




- VAN THUYNE 1-35X PRDG 20061208
- VAN THUYNE 1-35X BDH 20180913
- VAN THUYNE 1-35X BDH 20190823
- VAN THUYNE 1-35X PRDG 20190823
- VAN THUYNE 1-35X BDH 20200715
-



Delta13 C2/C3 vs. Delta 13C3-C2



Delta 13 IC4/ Delta NC4

