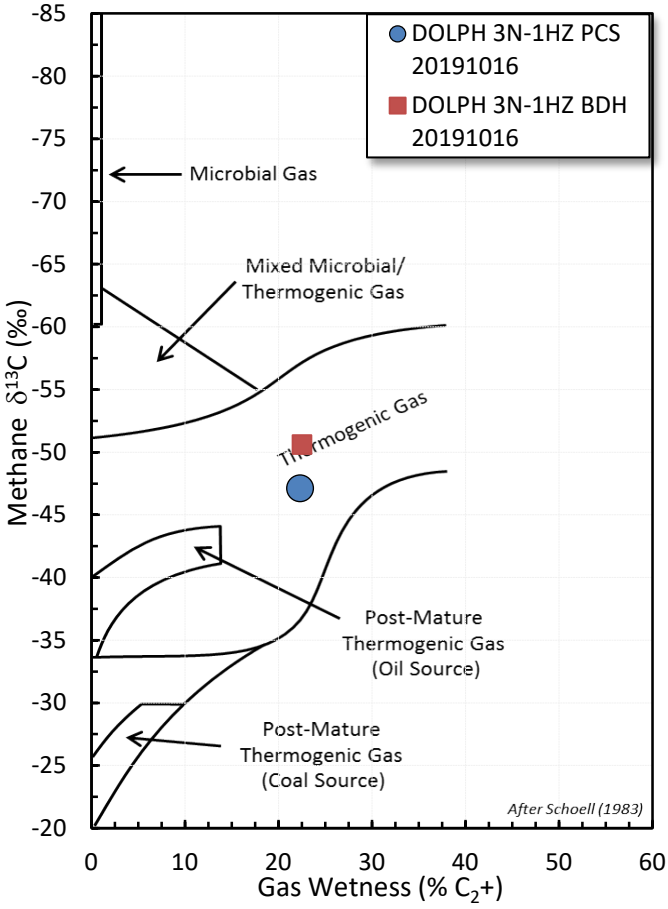
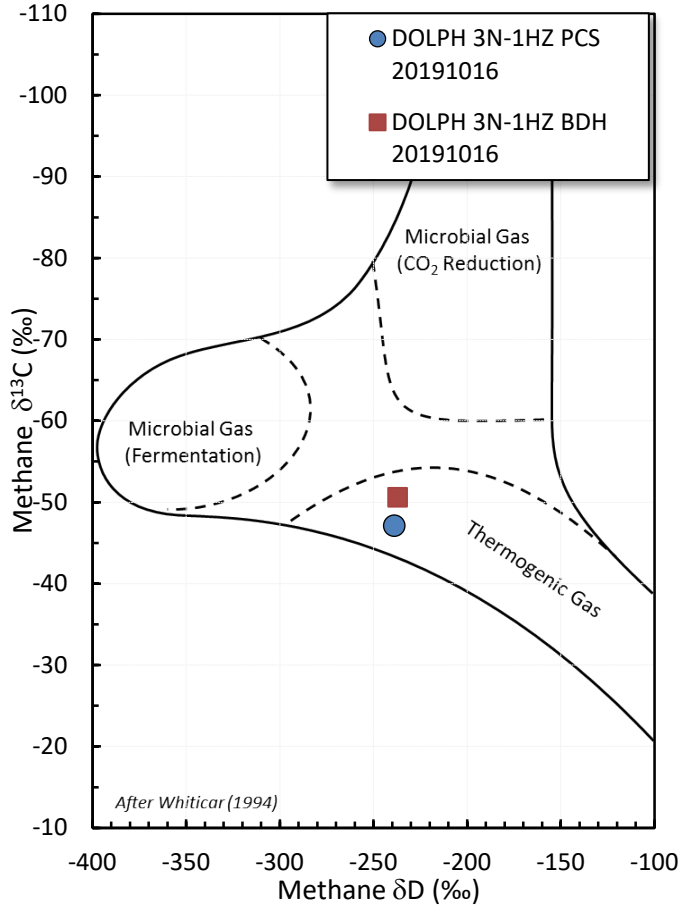
Stable Isotope Interpretive Plots

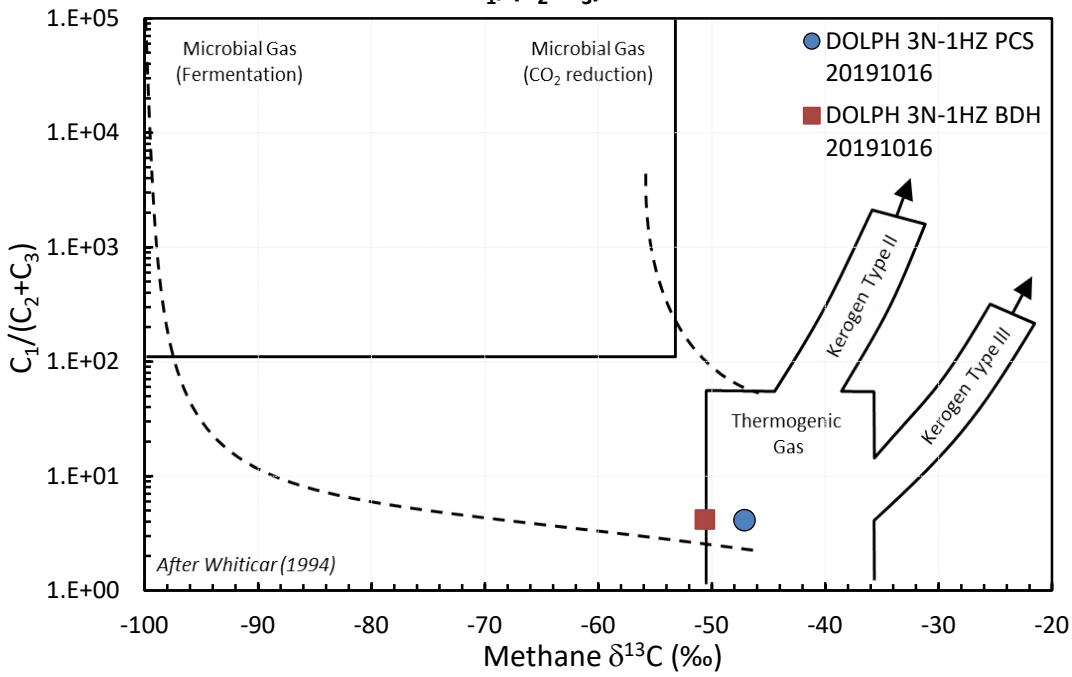
Methane vs Gas Wetness Genetic Classification

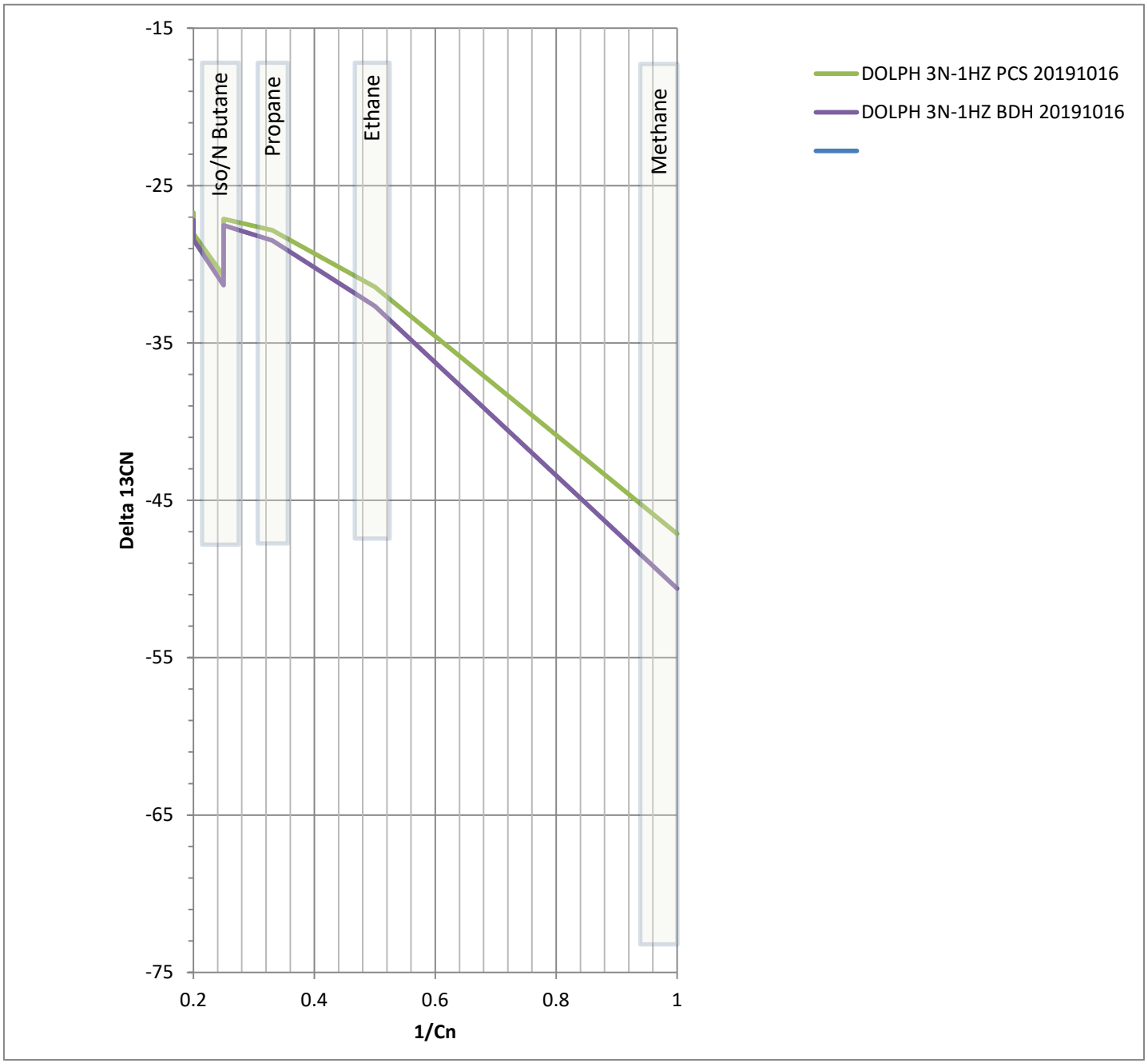


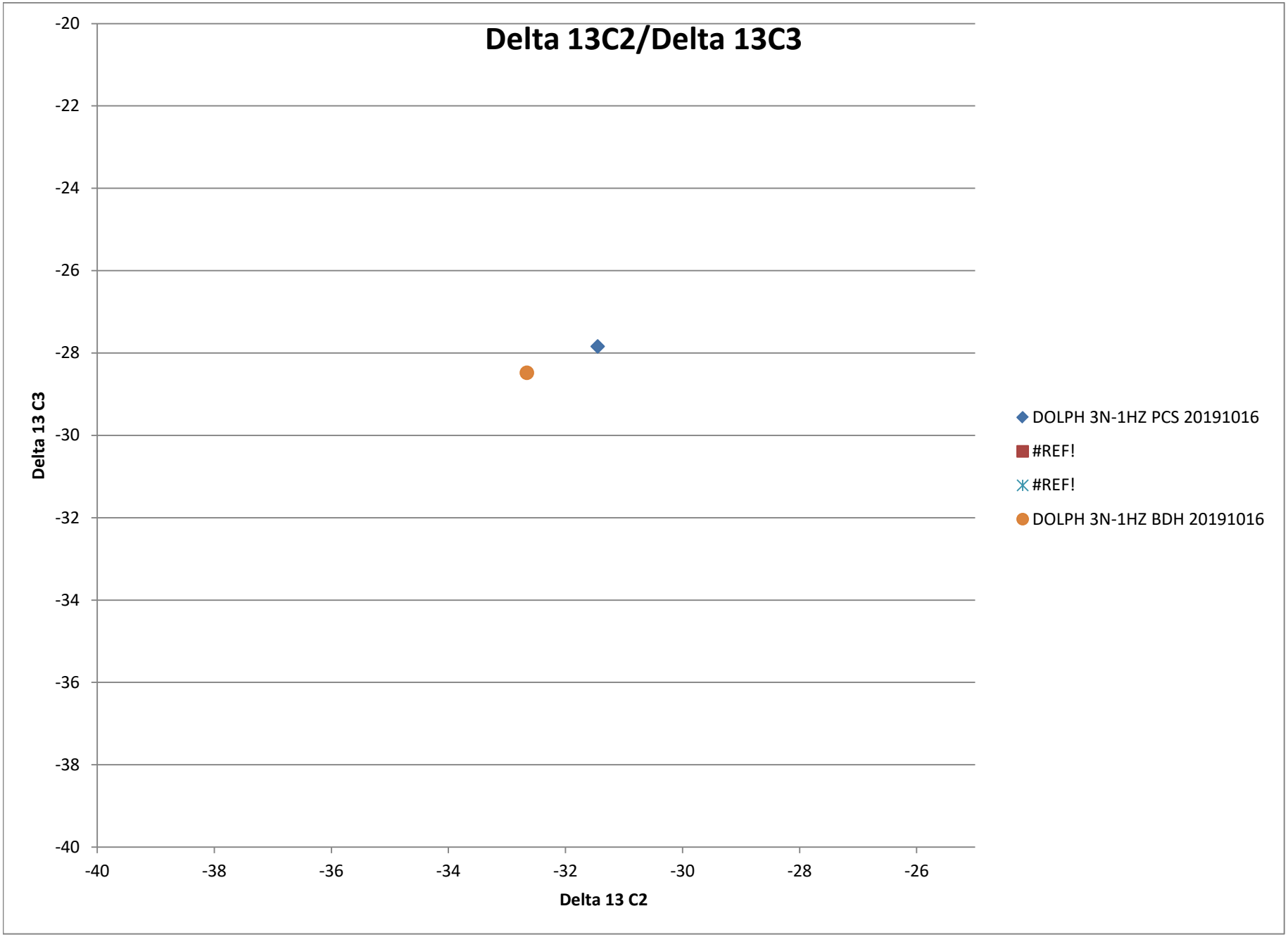
Methane $\delta^{13}C$ vs δD Genetic Classification Plot

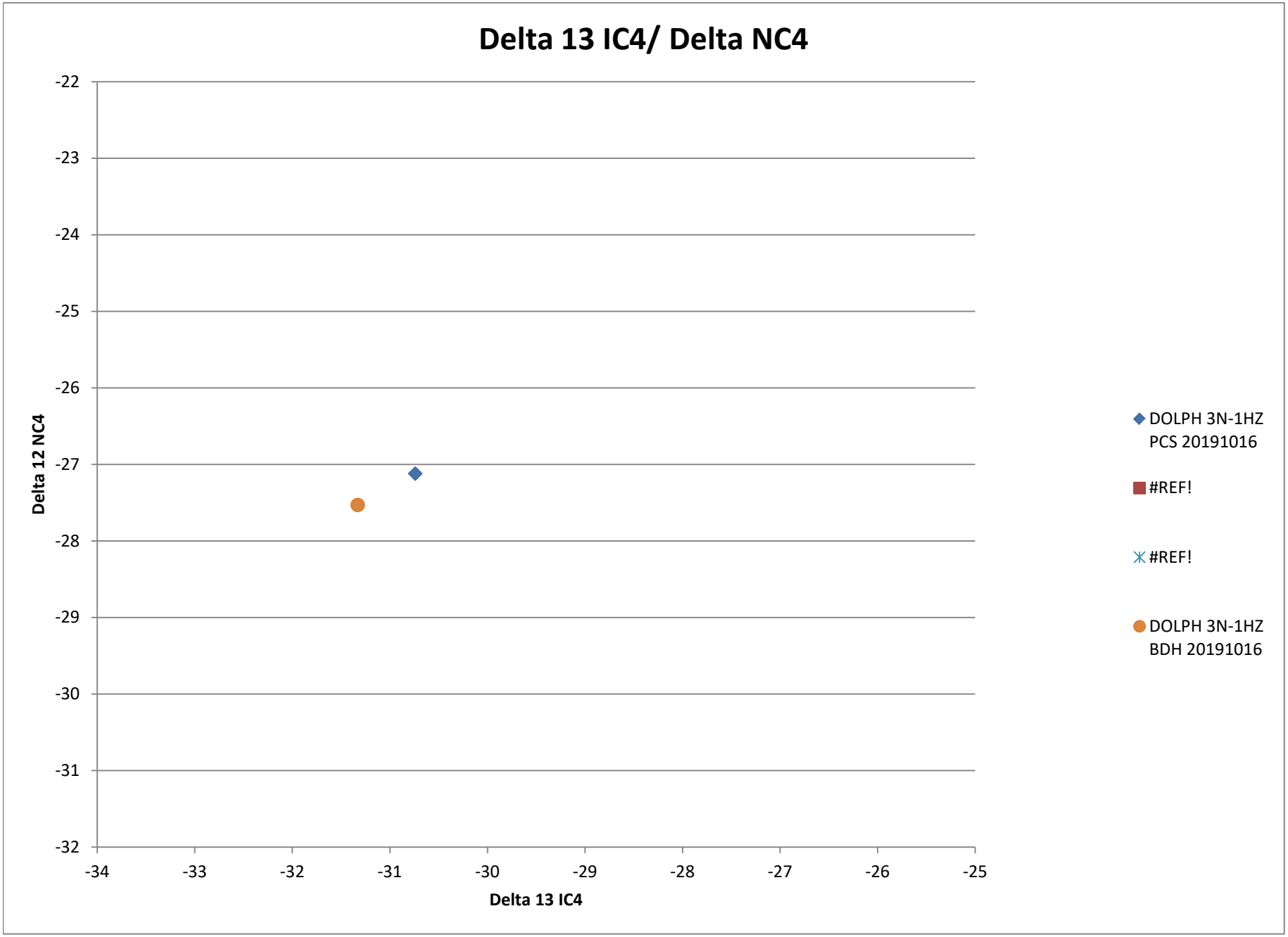


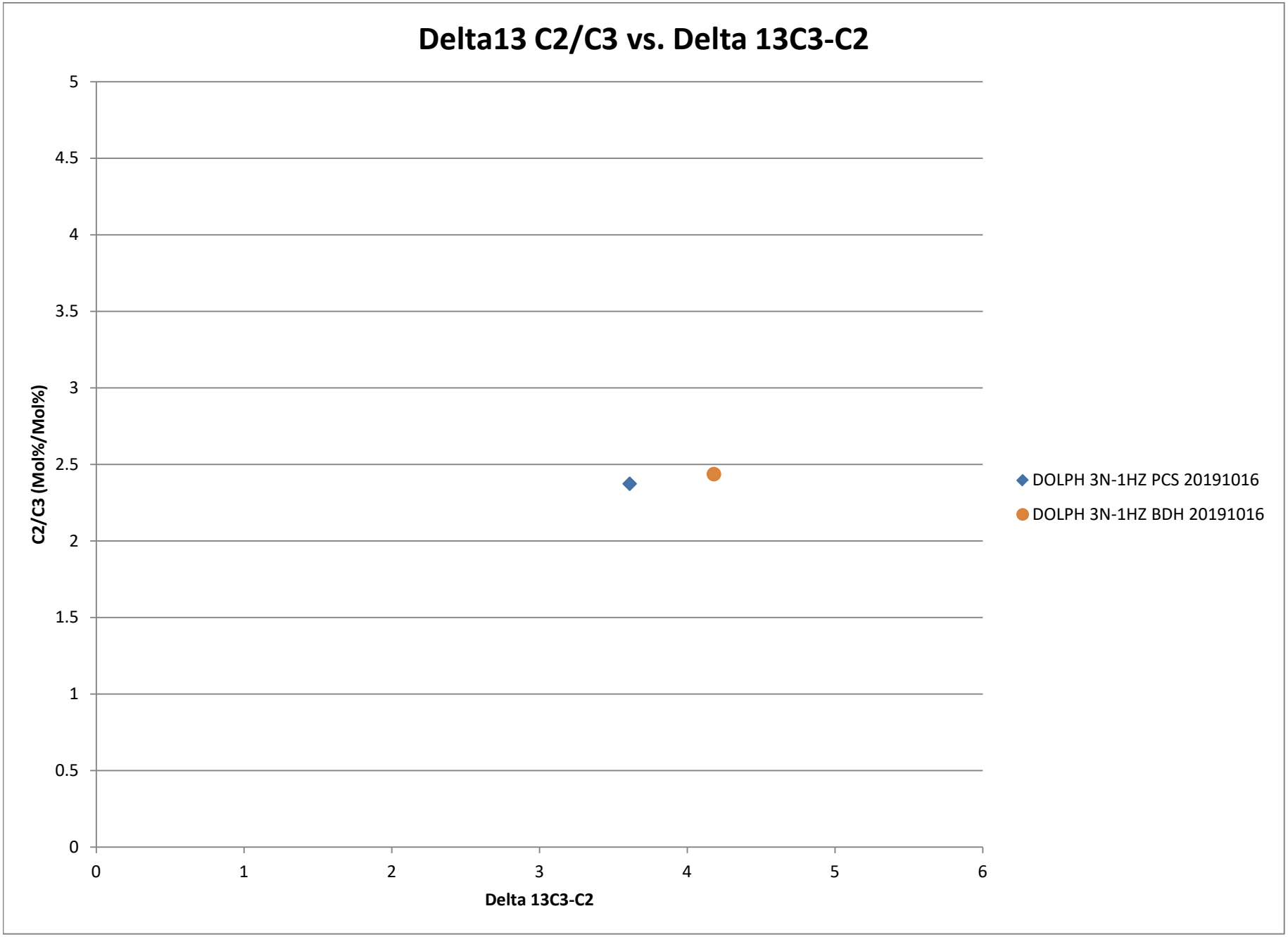
Methane $\delta^{13}C$ vs $C_1/(C_2+C_3)$ Genetic Classification Plot




-15
-25
-35
-45
-55
-65
-75
Delta 13CN
0.2
0.4
0.6
0.8
1
1/Cn
Iso/N Butane
Propane
Ethane
Methane
DOLPH 3N-1HZ PCS 20191016
DOLPH 3N-1HZ BDH 20191016


Delta 13C2/Delta 13C3
-20
-22
-24
-26
-28
-30
-32
-34
-36
-38
-40
Delta 13 C3
-40
-38
-36
-34
-32
-30
-28
-26
Delta 13 C2
DOLPH 3N-1HZ PCS 20191016
#REF!
#REF!
DOLPH 3N-1HZ BDH 20191016


Delta 13 IC4/ Delta NC4
-22
-23
-24
-25
-26
-27
-28
-29
-30
-31
-32
Delta 12 NC4
-34
-33
-32
-31
-30
-29
-28
-27
-26
-25
Delta 13 IC4
DOLPH 3N-1HZ PCS 20191016
#REF!
#REF!
DOLPH 3N-1HZ BDH 20191016


Delta13 C2/C3 vs. Delta 13C3-C2
C2/C3 (Mol%/Mol%)
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
0
1
2
3
4
5
6
Delta 13C3-C2
DOLPH 3N-1HZ PCS 20191016
DOLPH 3N-1HZ BDH 20191016