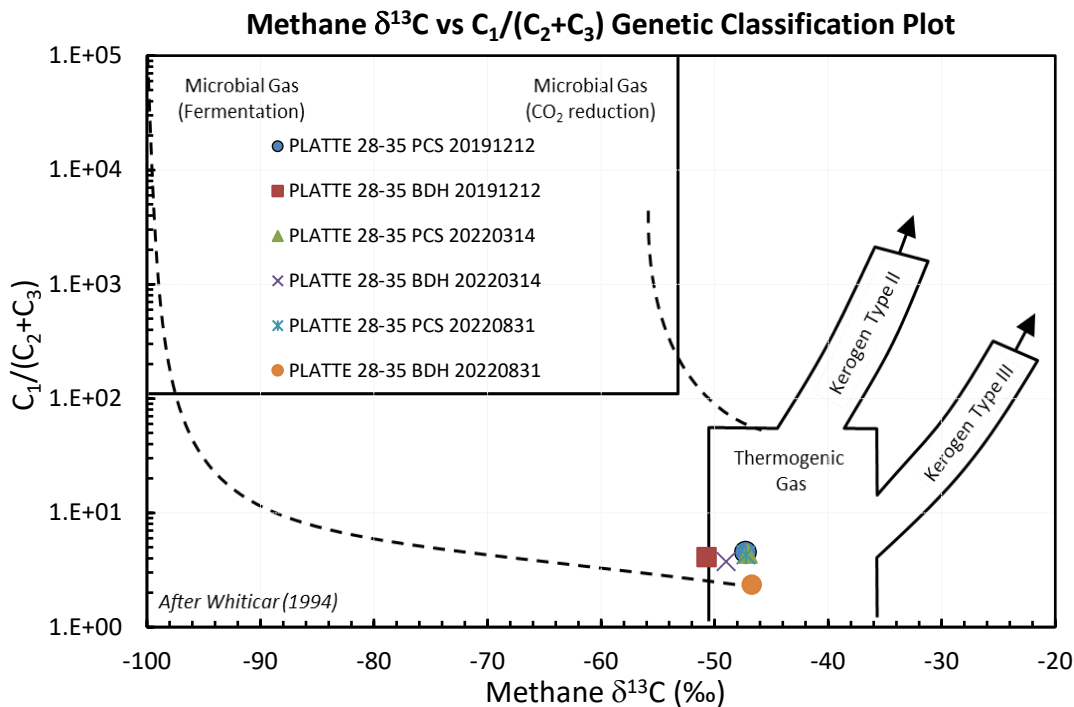
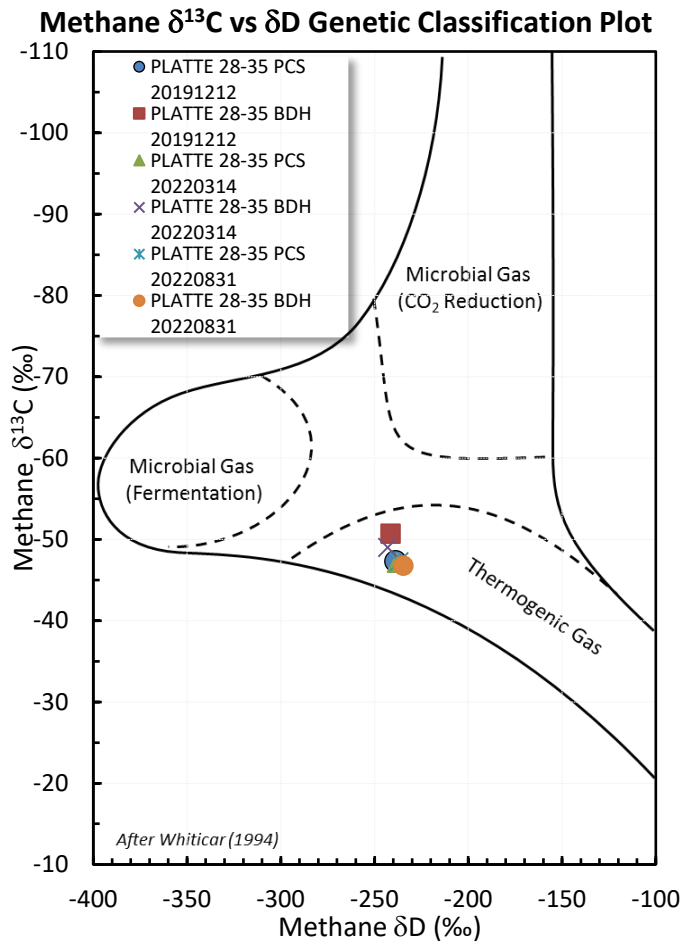
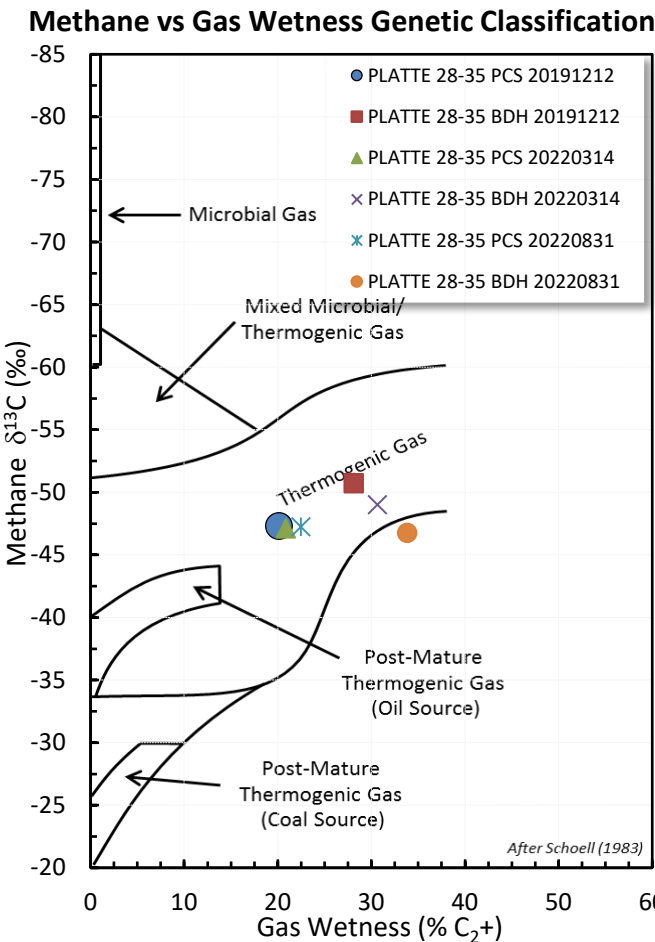
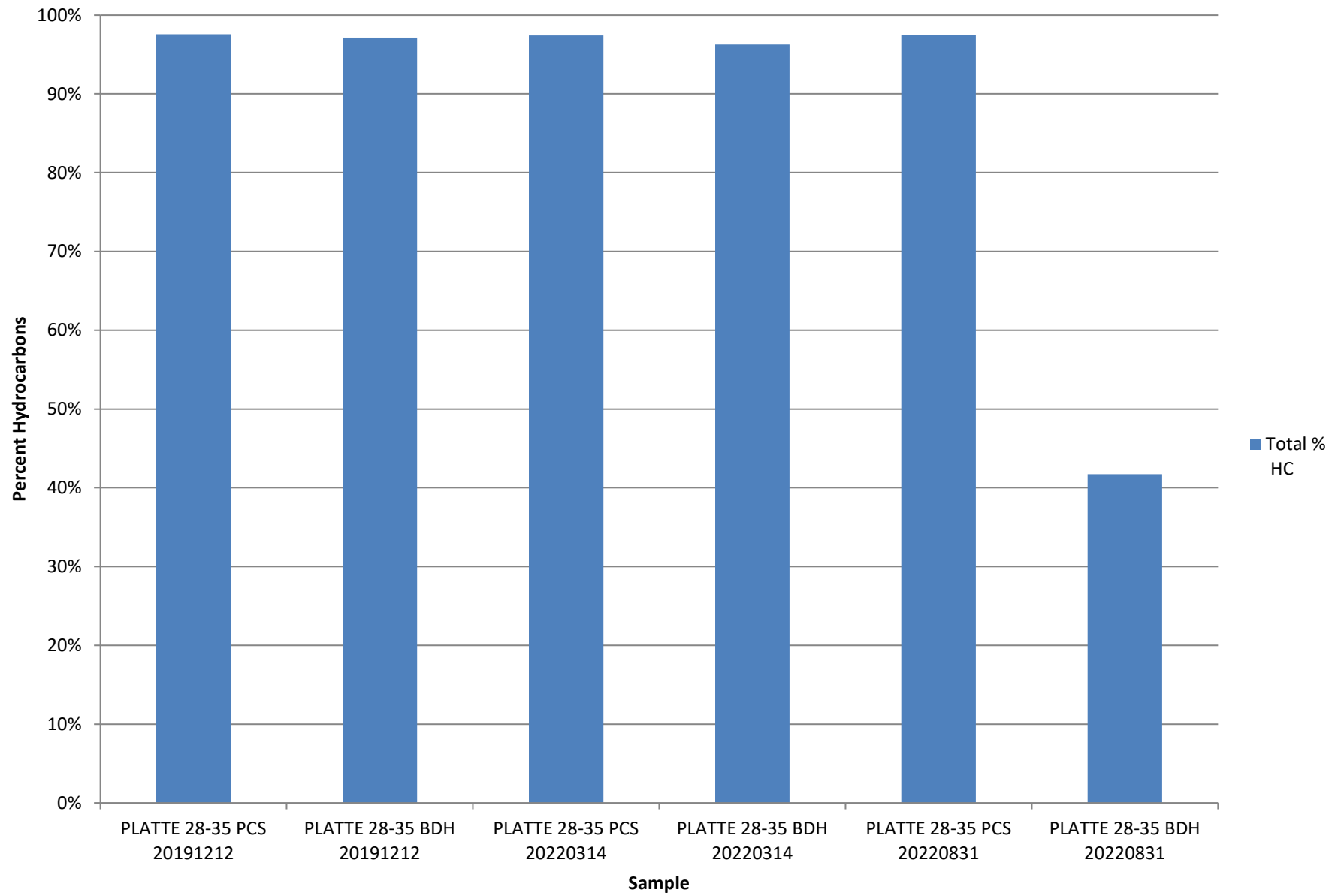


# Stable Isotope Interpretive Plots



## Total Percent Hydrocarbons



**GAS COMPOSITION**

GAS COMPOSITION (MOL %)

Parameter

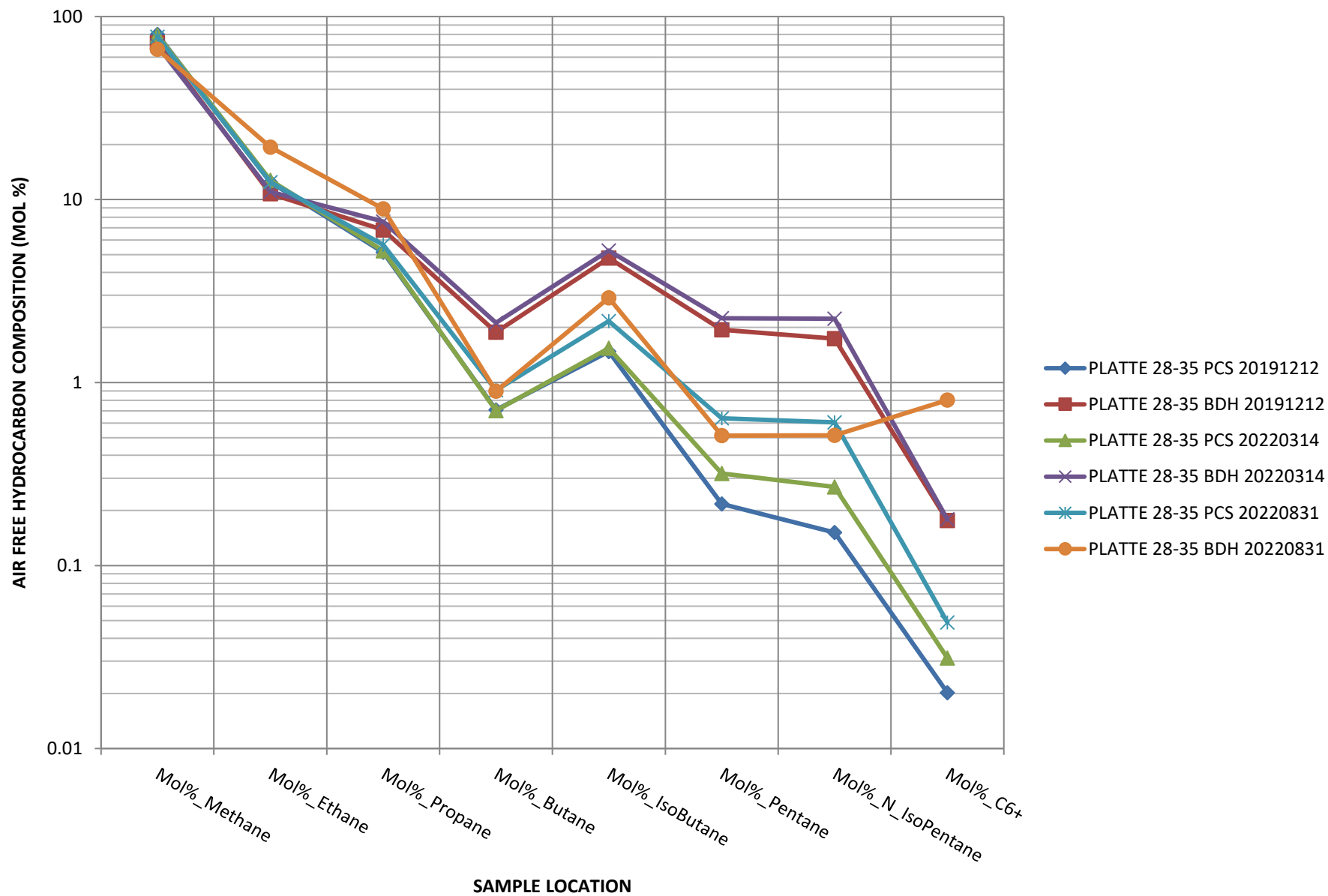
Legend:

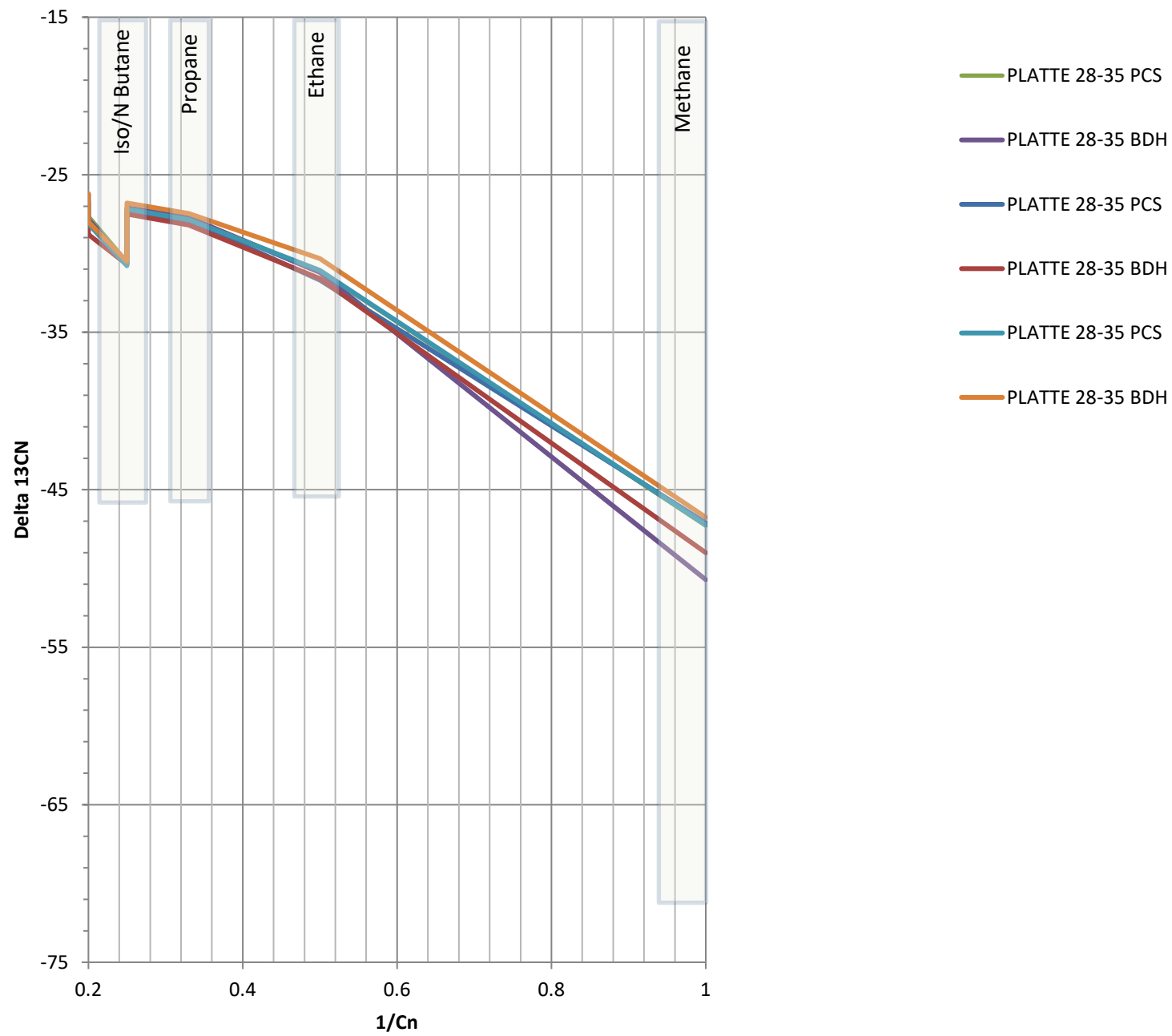
- PLATTE 28-35 PCS 20191212
- PLATTE 28-35 BDH 20191212
- PLATTE 28-35 PCS 20220314
- PLATTE 28-35 BDH 20220314
- PLATTE 28-35 PCS 20220831
- PLATTE 28-35 BDH 20220831

Parameter	PLATTE 28-35 PCS 20191212	PLATTE 28-35 BDH 20191212	PLATTE 28-35 PCS 20220314	PLATTE 28-35 BDH 20220314	PLATTE 28-35 PCS 20220831	PLATTE 28-35 BDH 20220831
Mol% Nitrogen	0.35	2.5	0.25	3.0	0.25	35
Mol% Oxygen	0.02	0.07	0.02	0.5	0.02	18
Mol% Argon	0.02	0.02	0.02	0.03	0.02	0.9
Mol% O2+AR	1.8	1.8	2.0	1.8	1.8	1.8
Mol% CarbonDioxide	0.02	0.02	0.02	0.02	0.02	0.02
Mol% Helium	0.025	0.025	0.08	0.02	0.12	0.02
Mol% hydrogen	75	65	75	65	75	25
Mol% Methane	12	10	12	10	12	8
Mol% Ethane	5	6.5	5	7	5.5	3.5
Mol% Propane	0.7	1.8	0.7	1.8	0.9	0.4
Mol% Butane	1.4	4.5	1.5	5.0	2.0	1.2
Mol% IsoButane	0.2	1.8	0.3	2.0	0.6	0.2
Mol% N_Pentane	0.15	1.6	0.25	2.0	0.6	0.2
Mol% C6+	0.02	0.18	0.03	0.18	0.05	0.35

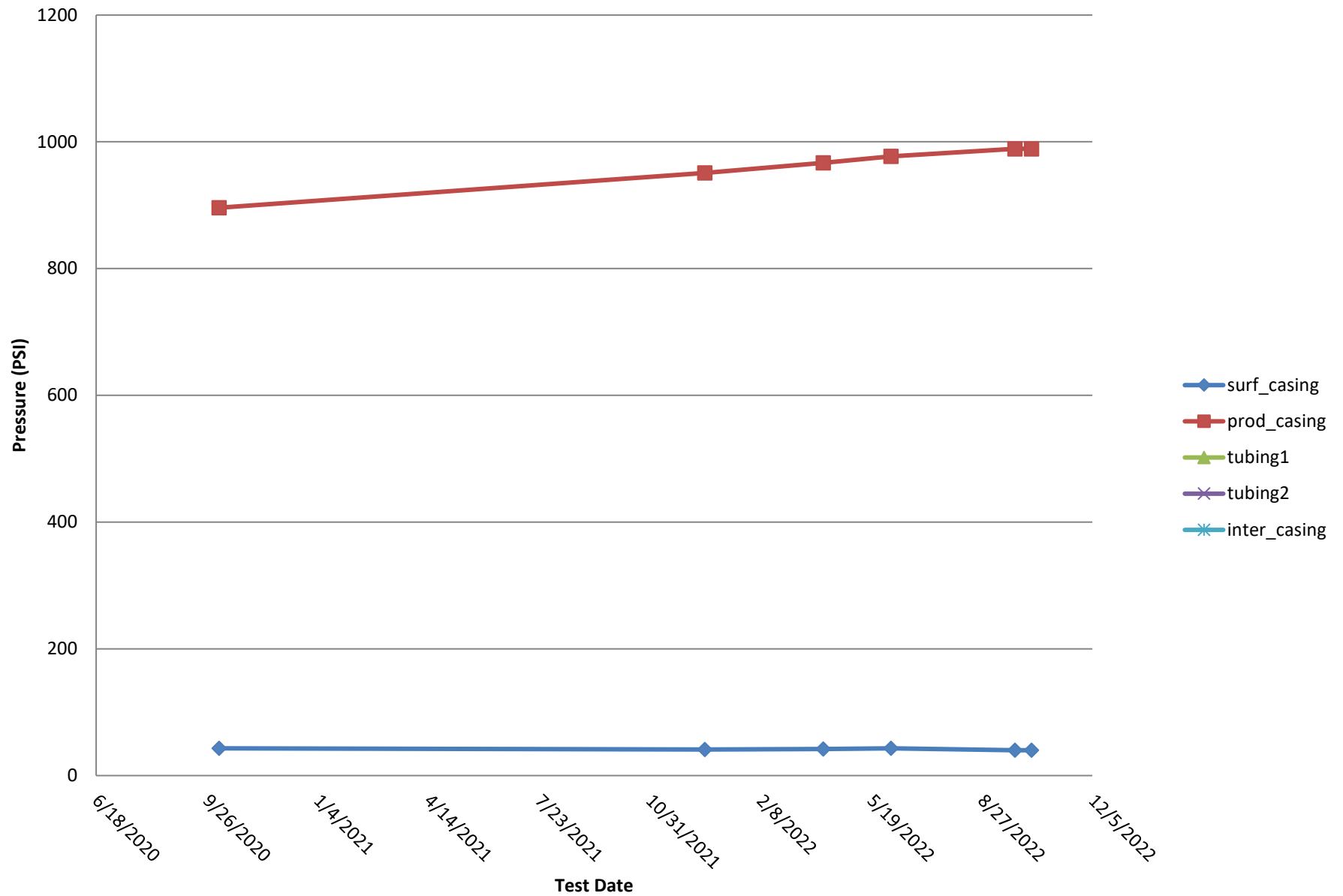
- PLATTE 28-35 PCS 20191212
- PLATTE 28-35 BDH 20191212
- PLATTE 28-35 PCS 20220314
- PLATTE 28-35 BDH 20220314
- PLATTE 28-35 PCS 20220831
- PLATTE 28-35 BDH 20220831

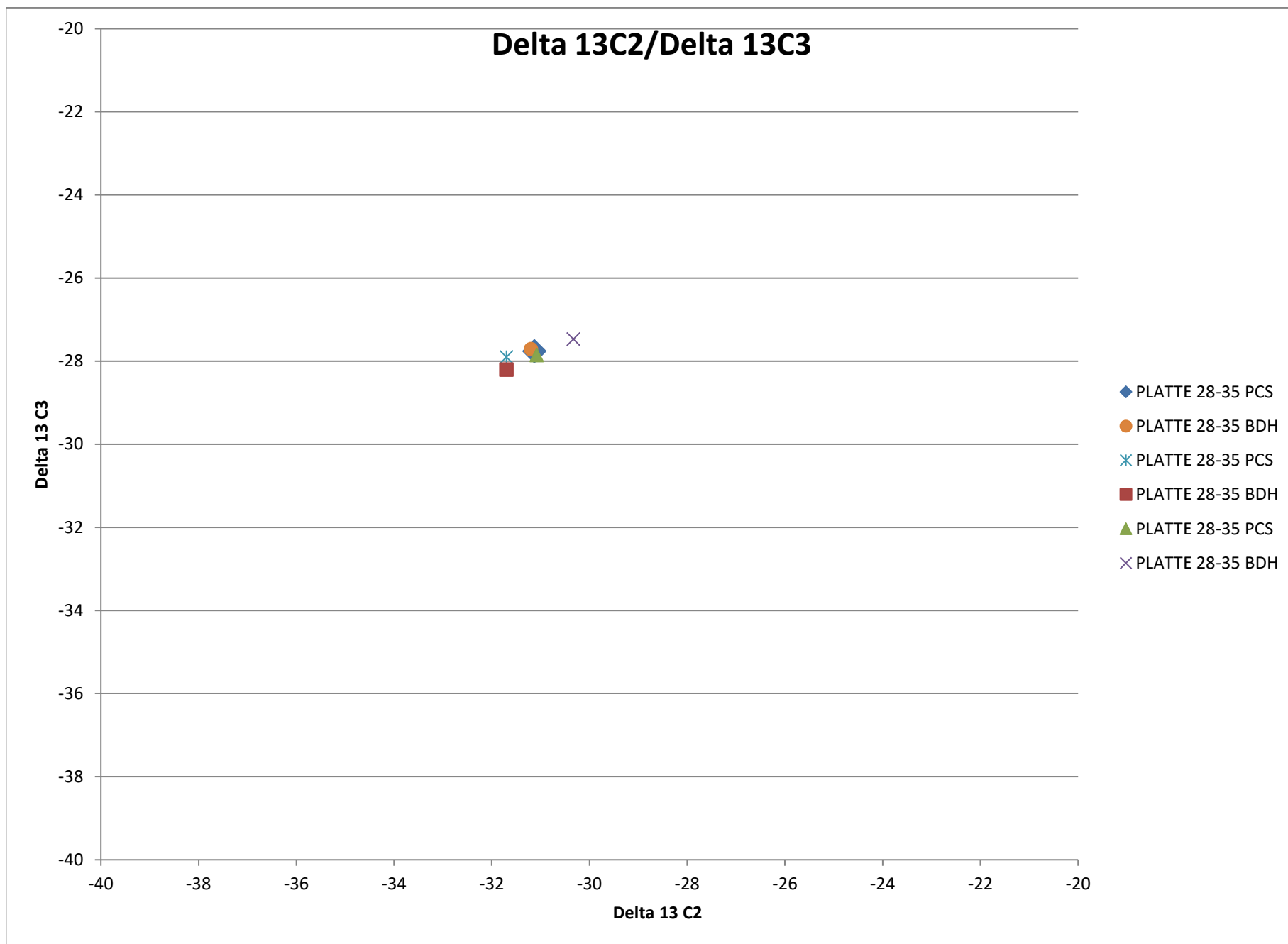
## HYDROCARBON COMPOSITION



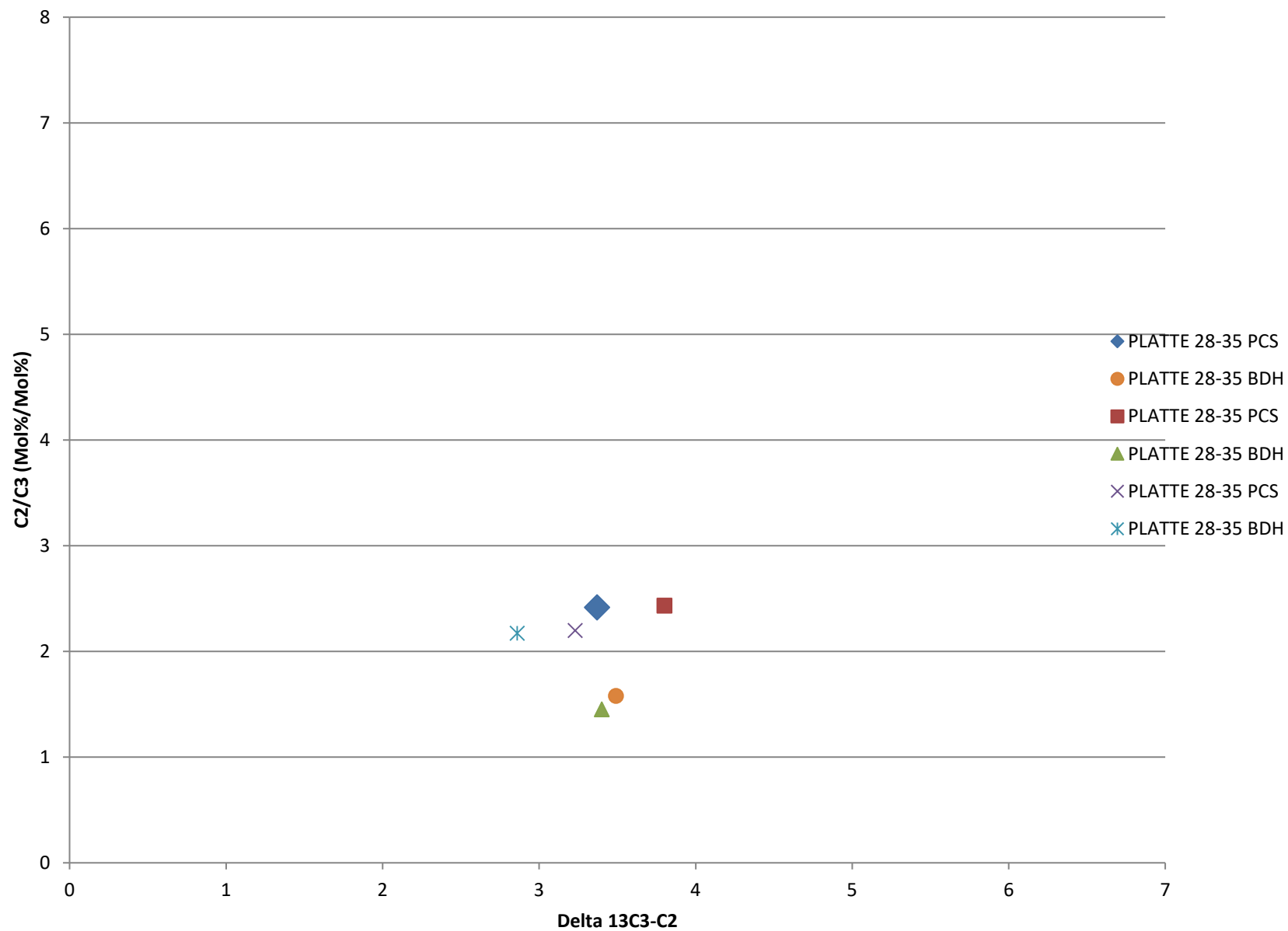


## Bradenhead Test Summary





## Delta13 C2/C3 vs. Delta 13C3-C2





## Delta 13 IC4/ Delta NC4

