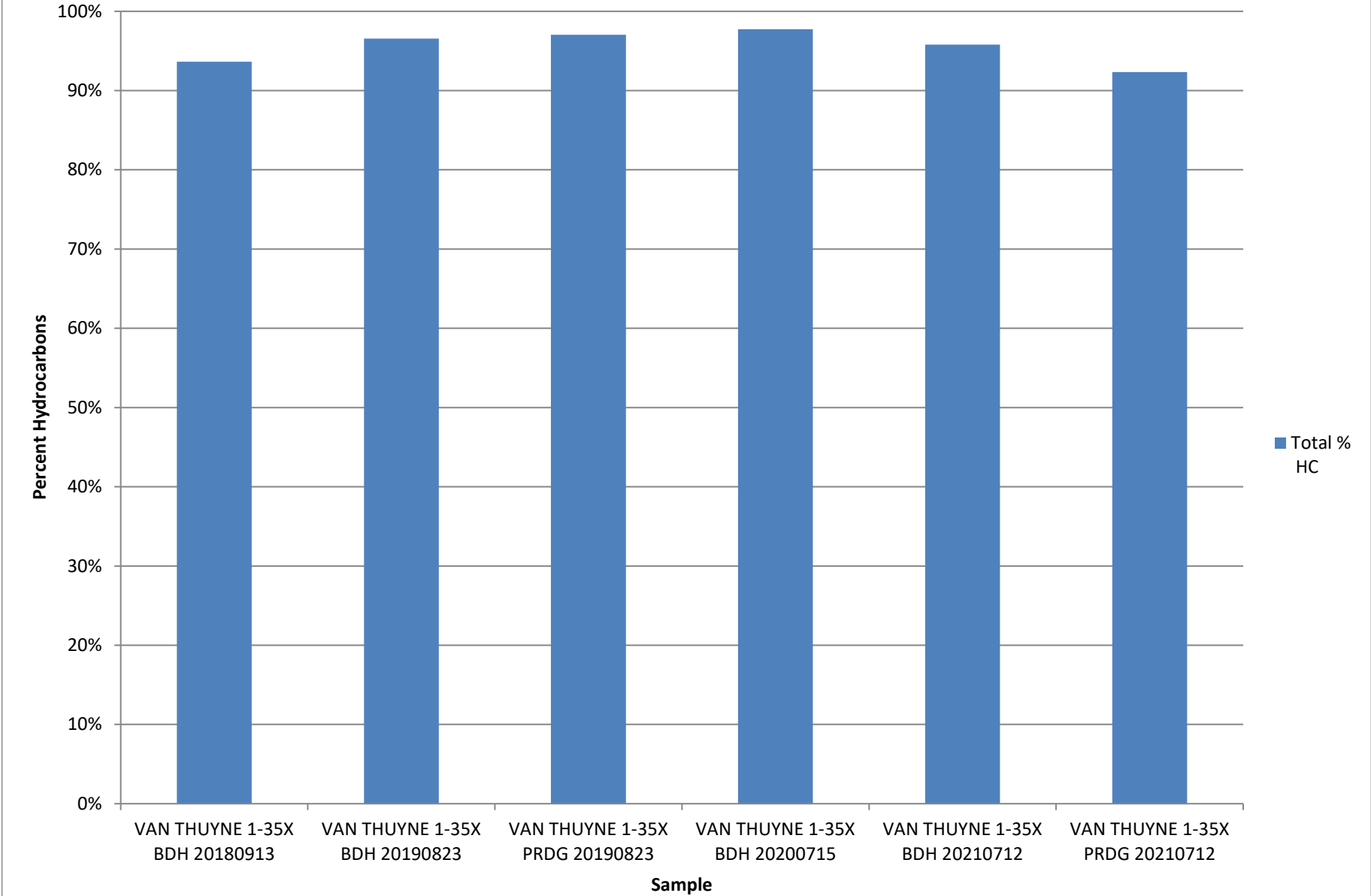
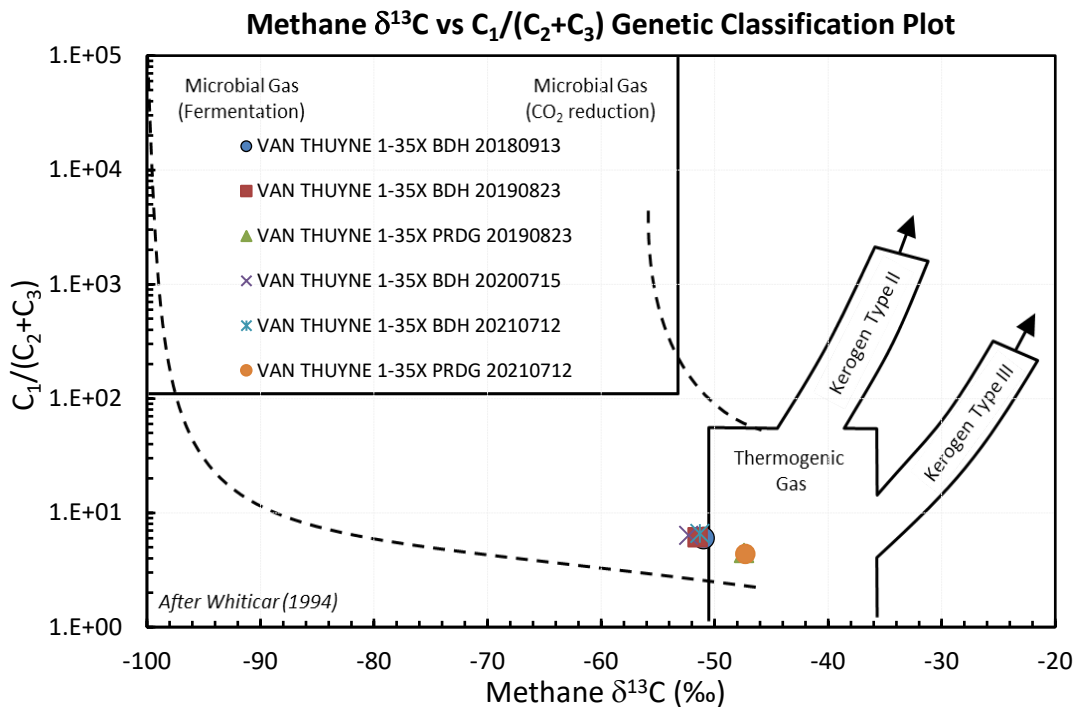
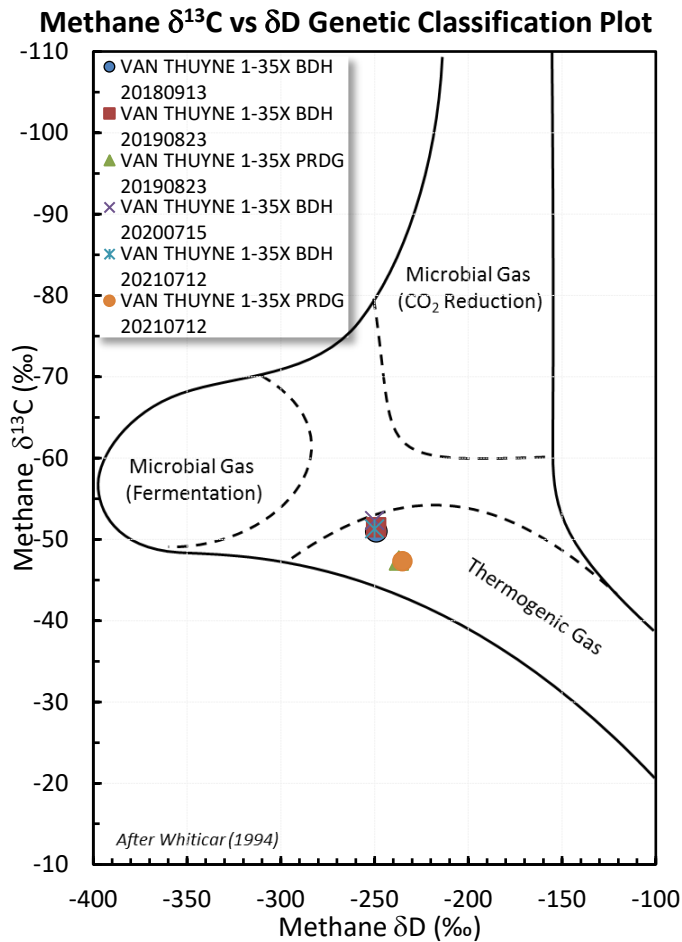
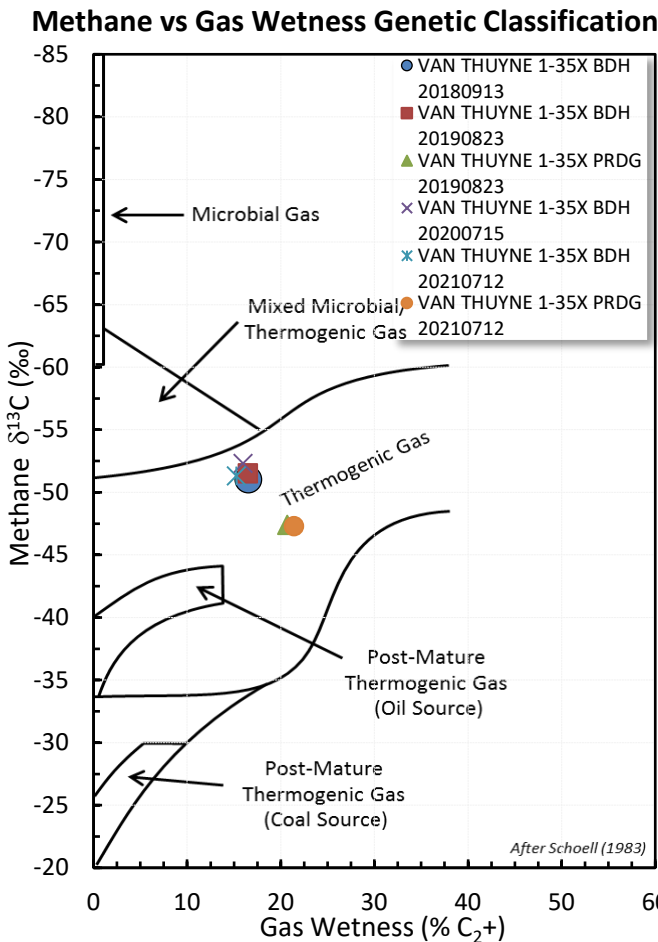


Total Percent Hydrocarbons



Stable Isotope Interpretive Plots



GAS COMPOSITION

GAS COMPOSITION (MOL %)

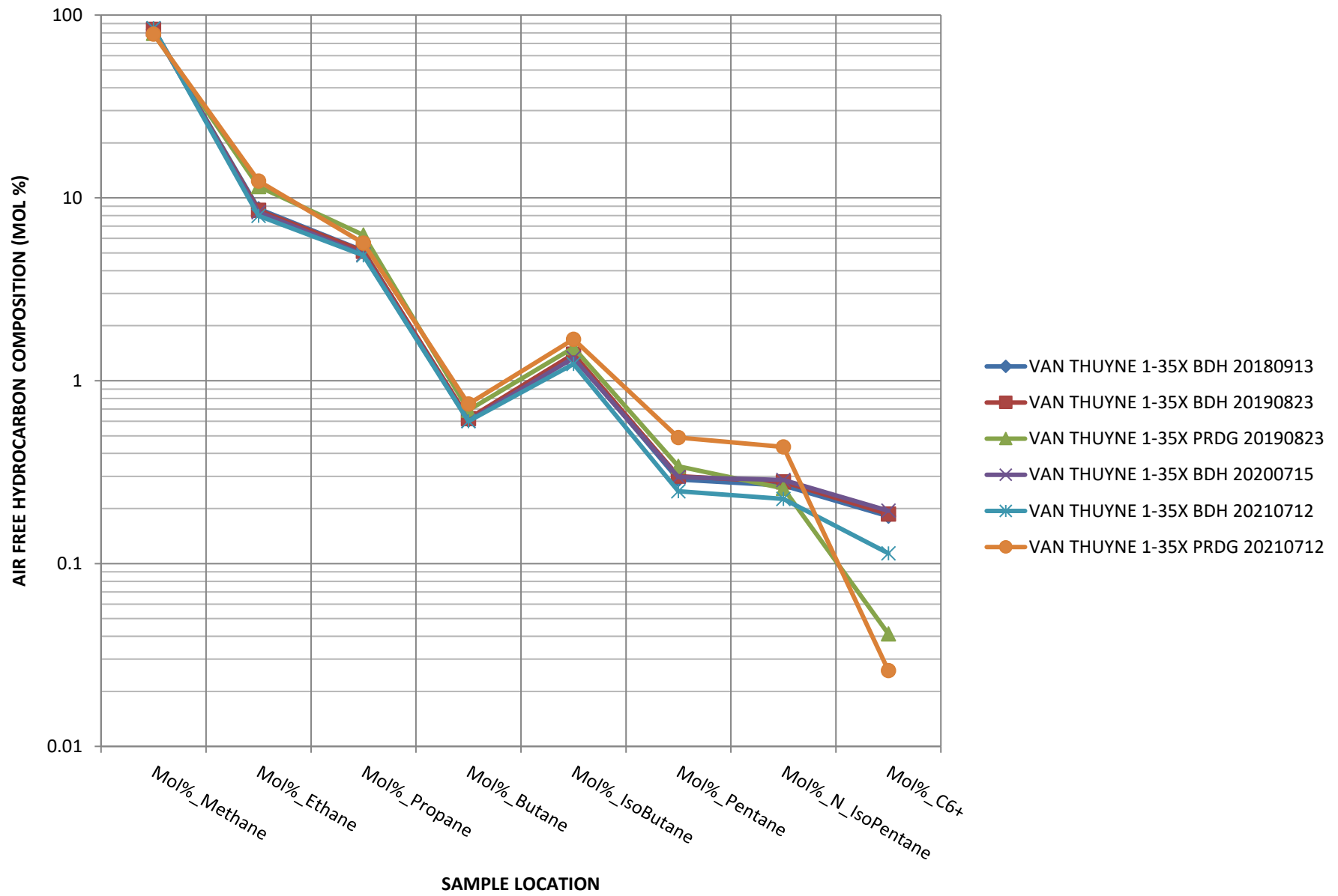
Parameter

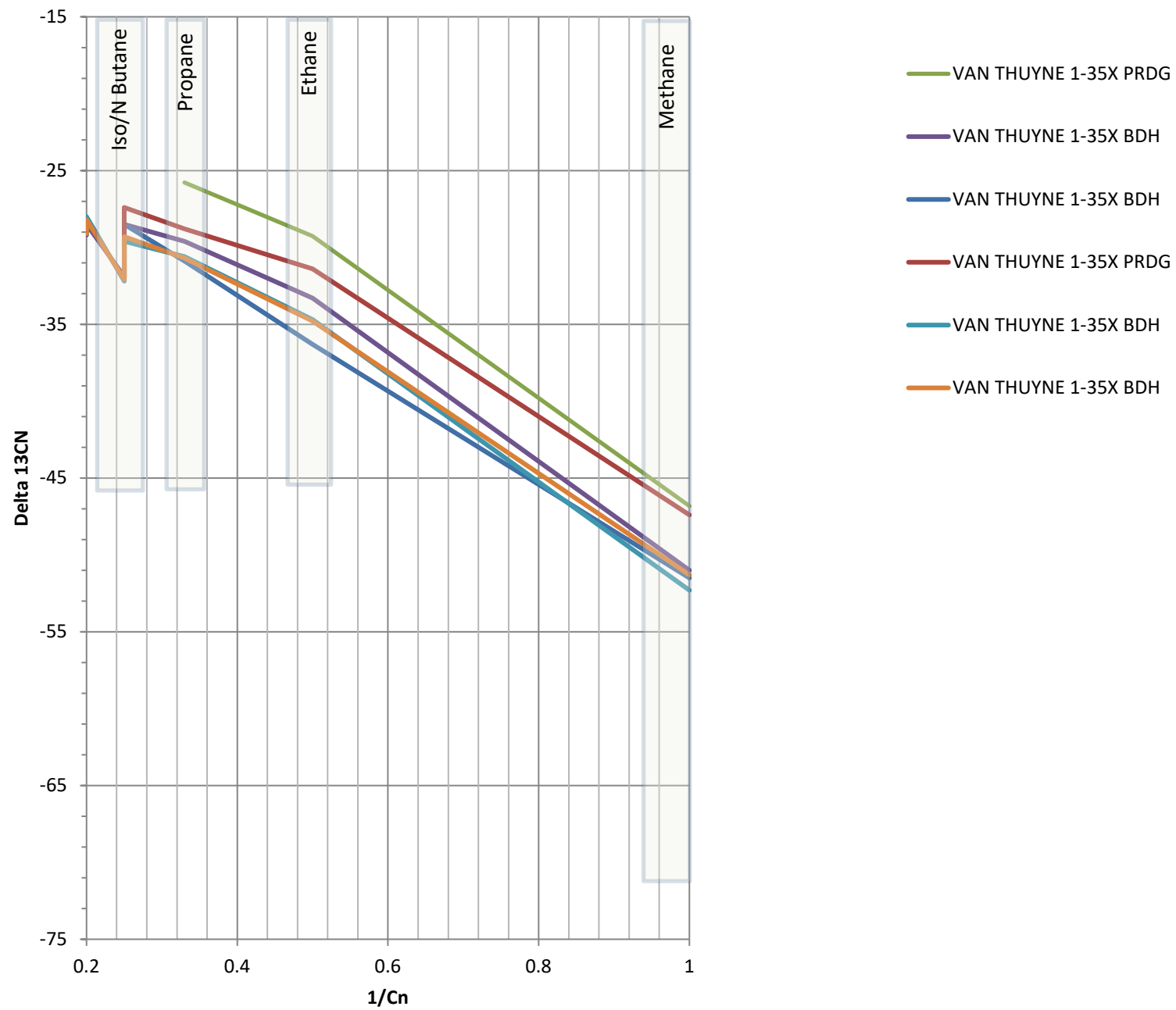
■ VAN THUYNE 1-35X BDH 20180913
 ■ VAN THUYNE 1-35X BDH 20190823
 ■ VAN THUYNE 1-35X PRDG 20190823
 ■ VAN THUYNE 1-35X BDH 20200715
 ■ VAN THUYNE 1-35X BDH 20210712

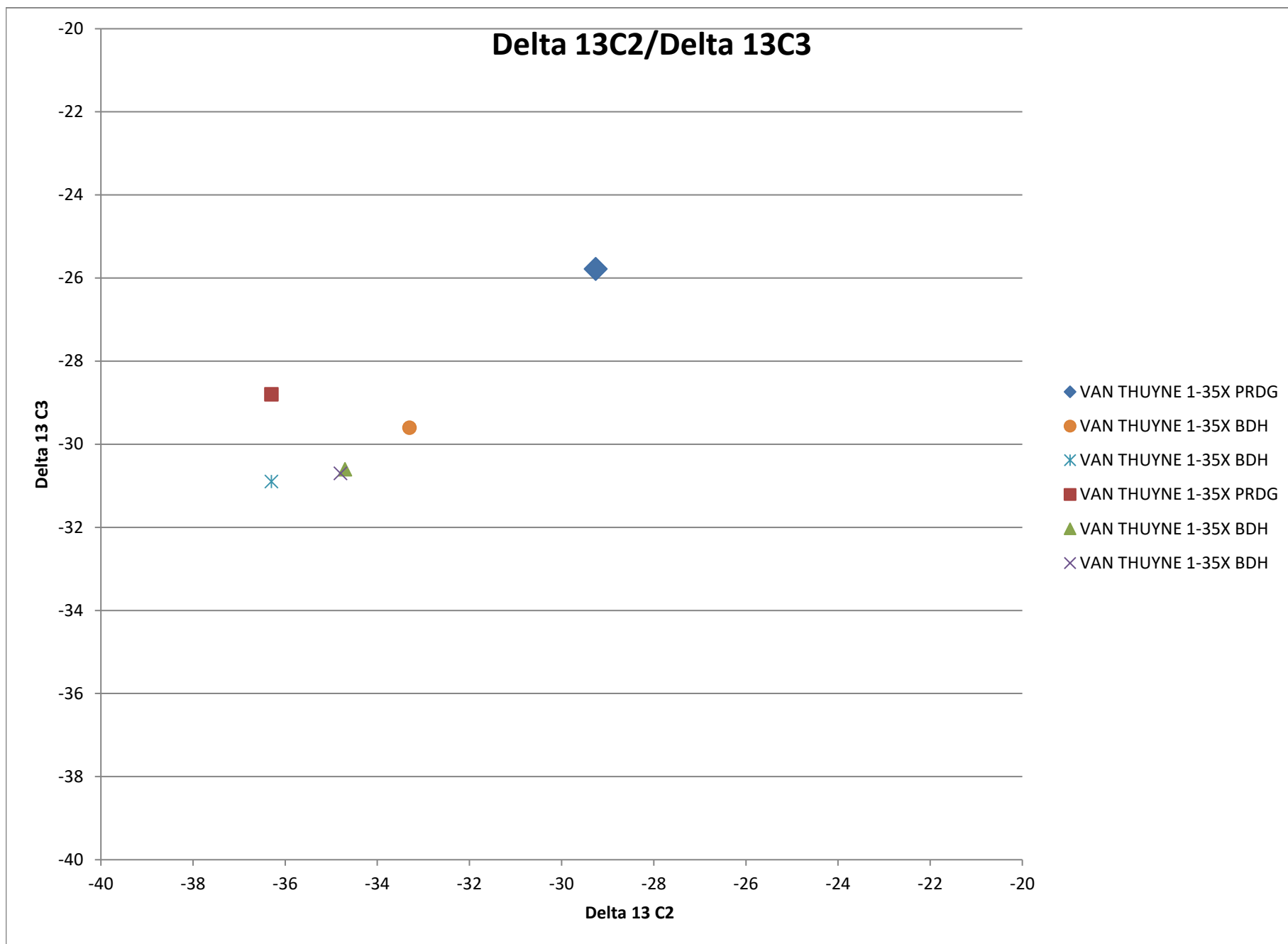
Parameter	VAN THUYNE 1-35X BDH 20180913	VAN THUYNE 1-35X BDH 20190823	VAN THUYNE 1-35X PRDG 20190823	VAN THUYNE 1-35X BDH 20200715	VAN THUYNE 1-35X BDH 20210712	Unlabeled Series
Mol%_Nitrogen	5.0	2.5	0.8	2.0	3.5	4.5
Mol%_Oxygen	1.0	0.7	0.15	0.15	0.5	1.1
Mol%_Argon	0.15	0.15	0.15	0.15	0.15	0.15
Mol%_O2+AR	0.01	0.01	1.8	0.01	0.01	1.6
Mol%_CarbonDioxide	0.01	0.01	0.01	0.01	0.01	0.01
Mol%_CarbonMonoxide	0.01	0.01	0.01	0.01	0.01	0.01
Mol%_Helium	0.01	0.01	0.01	0.01	0.01	0.01
Mol%_hydrogen	75	75	75	75	75	75
Mol%_Methane	8	8	10	8	8	11
Mol%_Ethane	5	5	6	5	5	5
Mol%_Propane	0.6	0.6	0.7	0.6	0.6	0.7
Mol%_Butane	1.2	1.2	1.4	1.2	1.1	1.5
Mol%_IsoButane	0.25	0.25	0.3	0.25	0.25	0.4
Mol%_N_Pentane	0.2	0.2	0.2	0.2	0.2	0.4
Mol%_IsoPentane	0.15	0.15	0.04	0.18	0.11	0.02
Mol%_C6+	0.01	0.01	0.01	0.01	0.01	0.01

- VAN THUYNE 1-35X BDH
20180913
- VAN THUYNE 1-35X BDH
20190823
- VAN THUYNE 1-35X PRDG
20190823
- VAN THUYNE 1-35X BDH
20200715
- VAN THUYNE 1-35X BDH
20210712

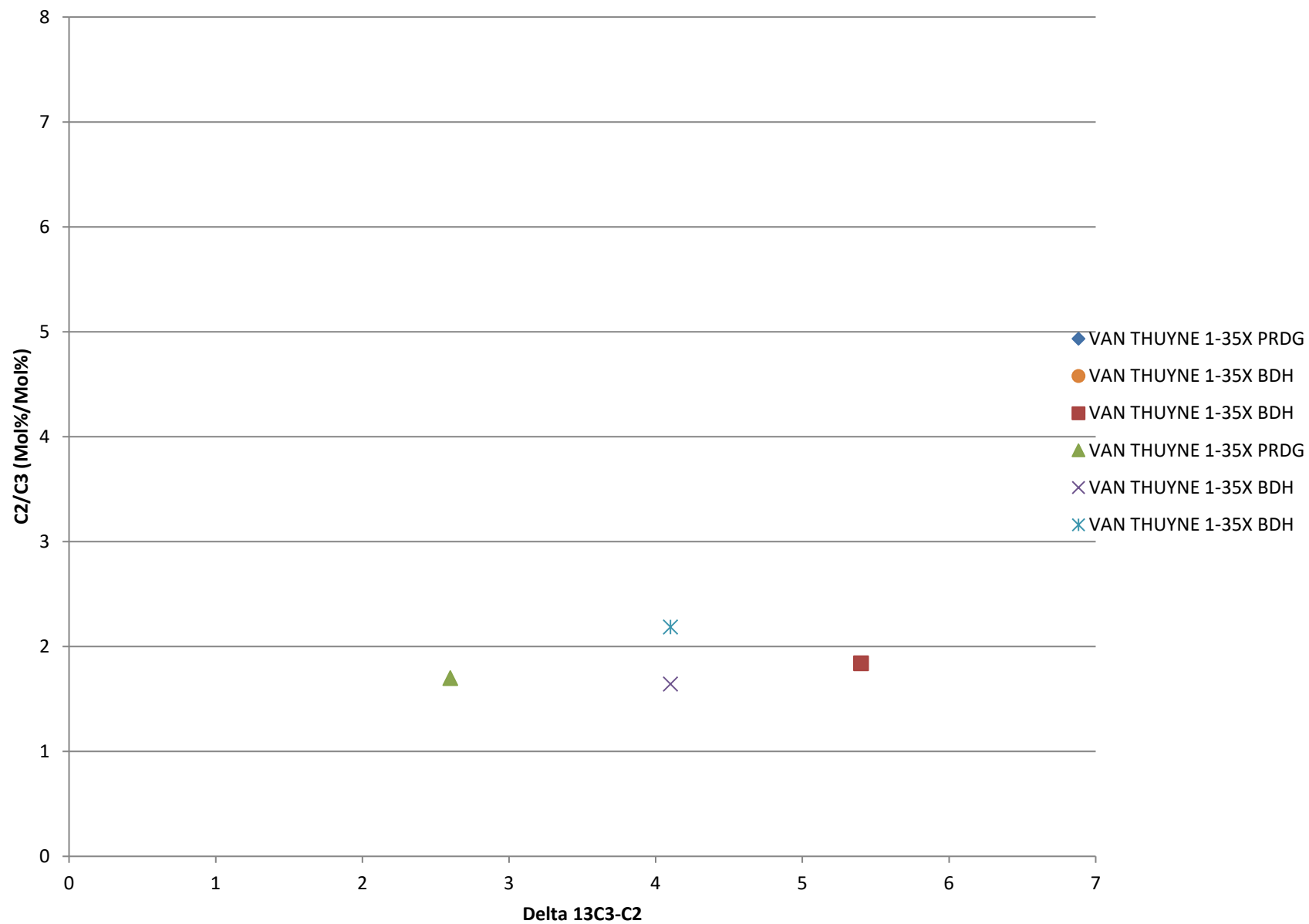
HYDROCARBON COMPOSITION







Delta13 C2/C3 vs. Delta 13C3-C2



Delta 13 IC4/ Delta NC4

