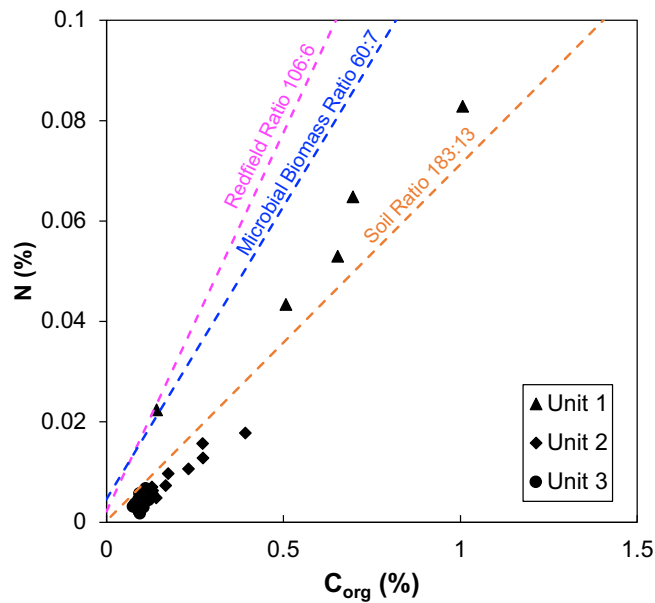


Supplementary Figures



Figure S1: Uncovered ice table at Friis Hills, overlain by a 35 cm thick layer of dry permafrost (photo credit: H. Chorley)



5 Figure S2: Scatterplots showing relations between C_{org} and N and the Redfield Ratio for algal biomass (Redfield, 1934), and the ratio for microbial biomass and soil (Cleveland and Liptzin, 2007).

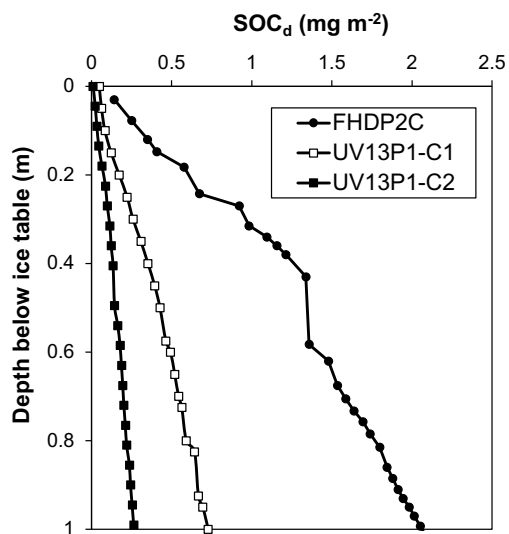


Figure S3: Cumulative soil organic carbon density (SOCd) with depth below the ice table for FHDP2C and two sites in University Valley (UV13P1-C1 and C2; Faucher et al., 2017) in the upper 50 cm of ice-cemented permafrost.

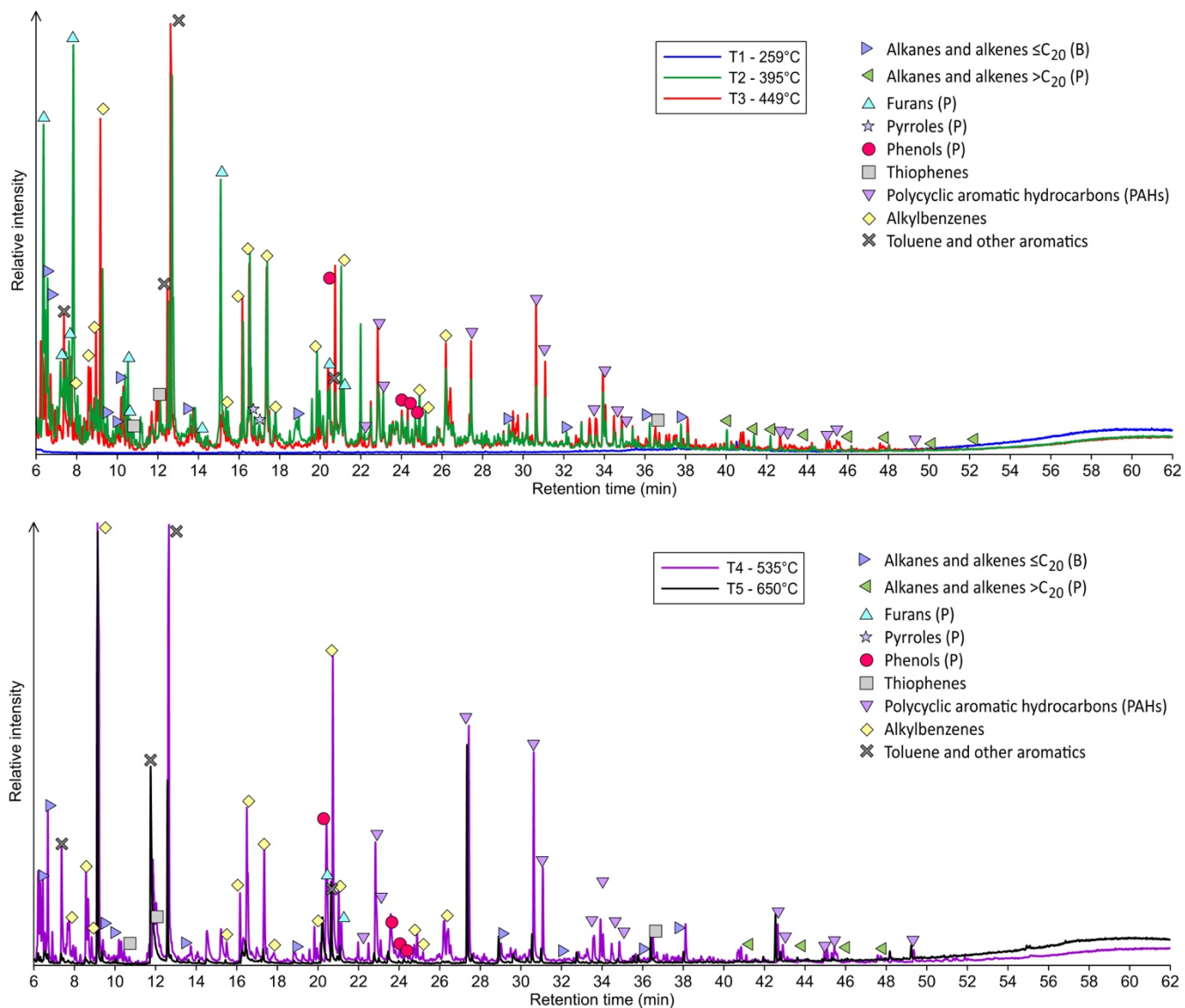


Figure S4: Py-GC-MS chromatograms for the different splits detailed in Table 1.