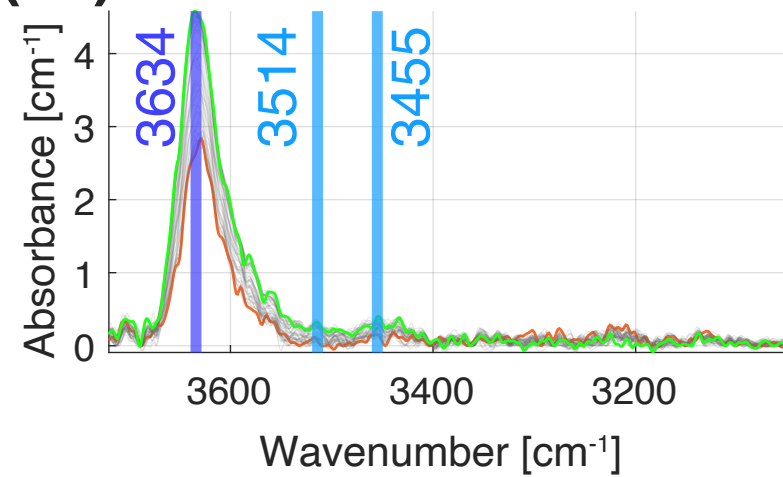
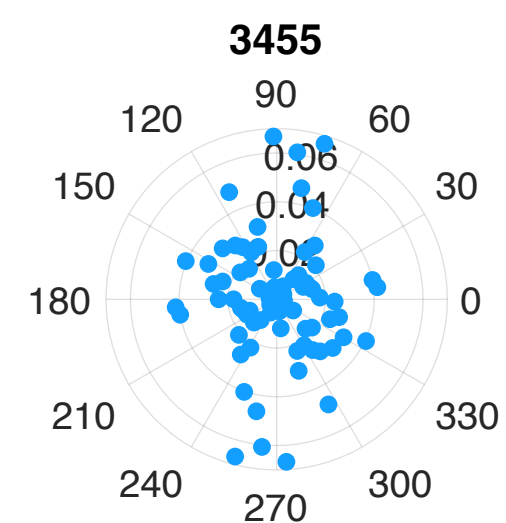
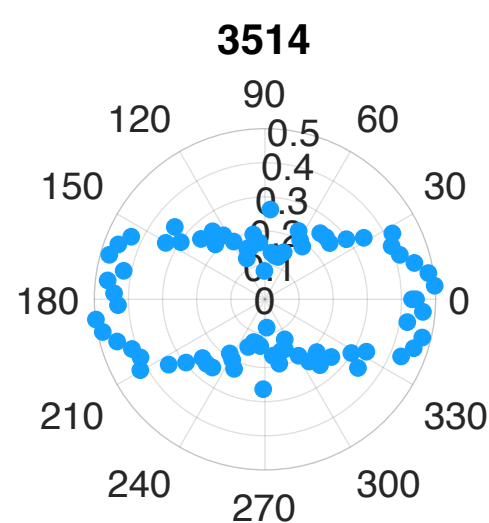
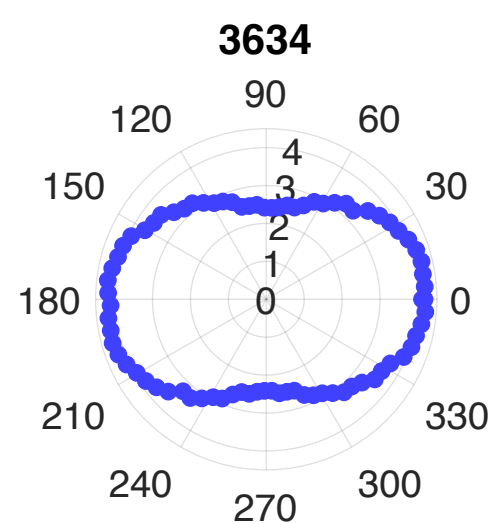
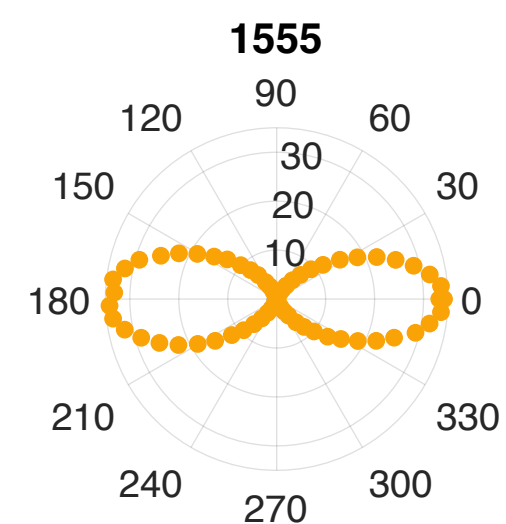
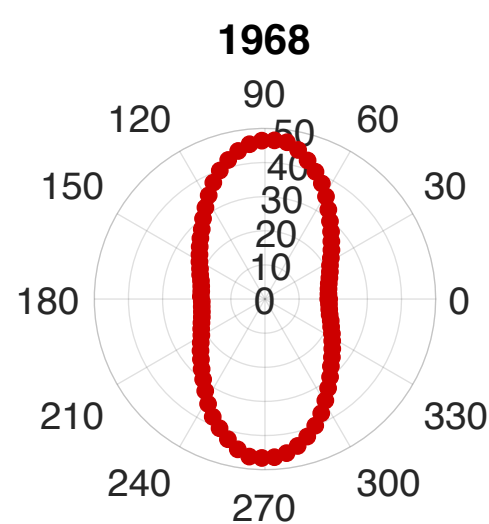
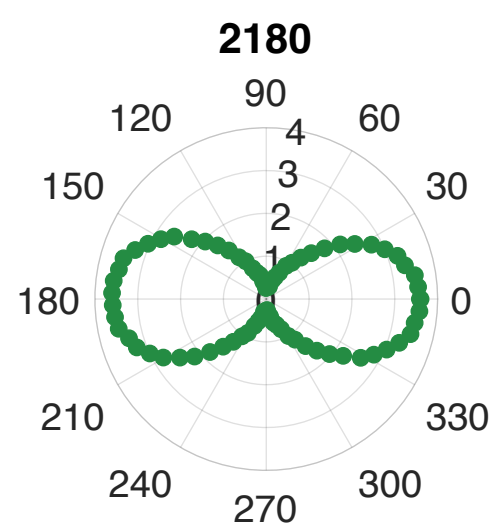
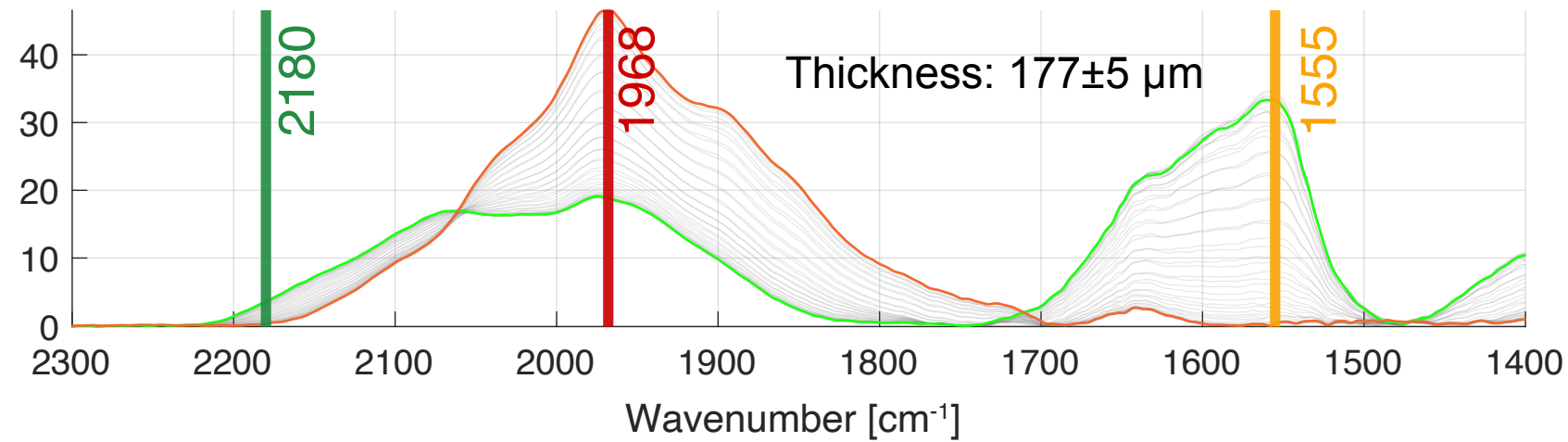


(a) O–H Region



Si–O Overtone Region



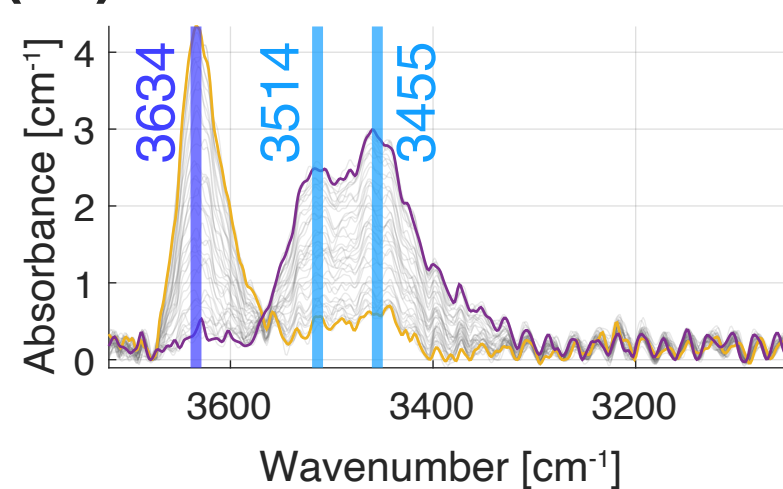
a^*

b

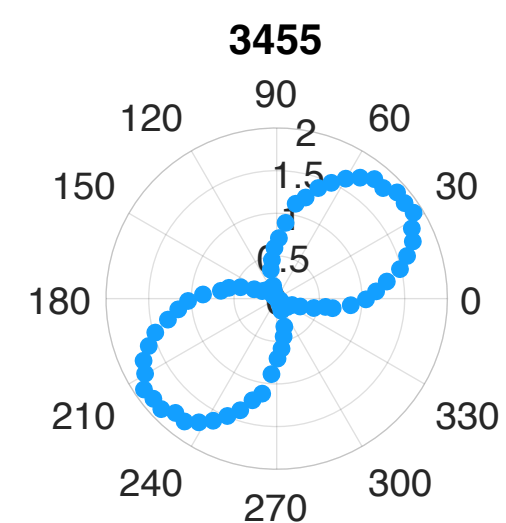
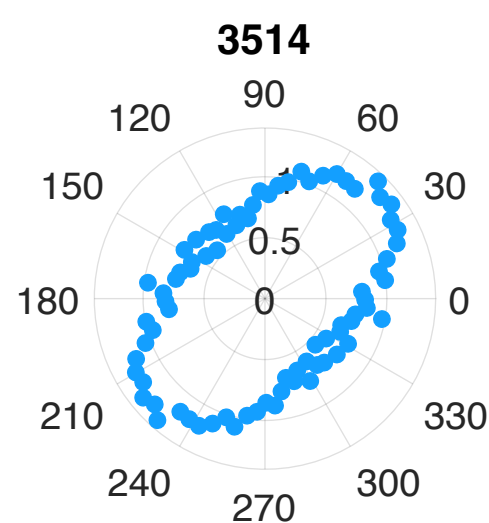
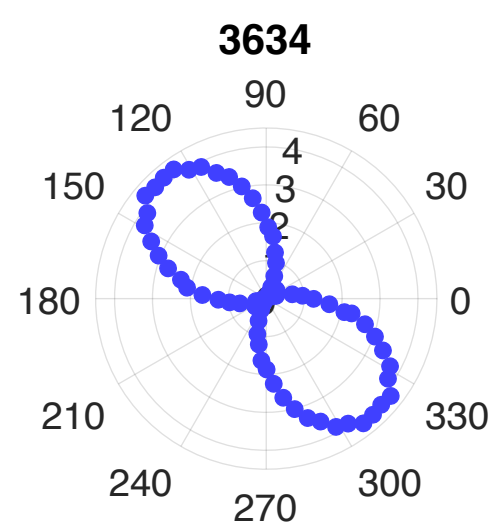
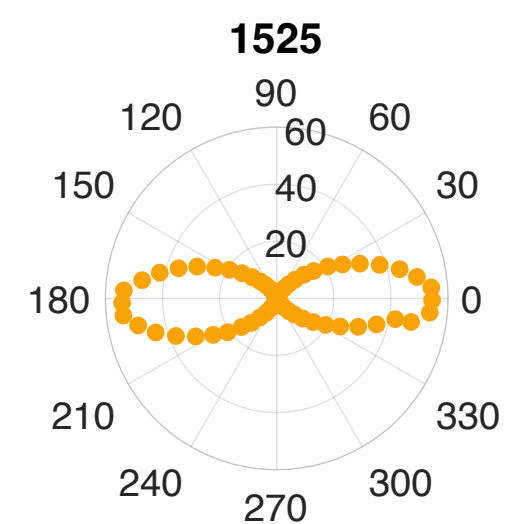
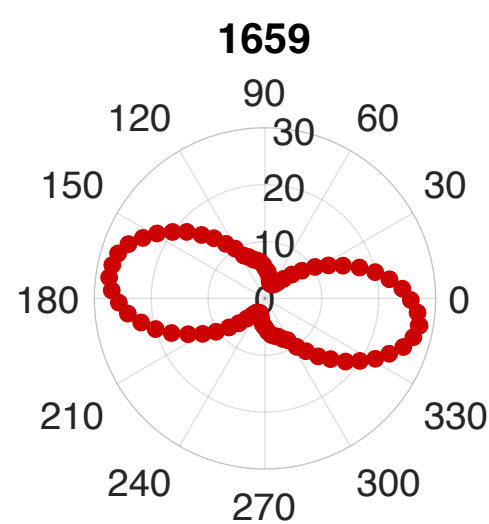
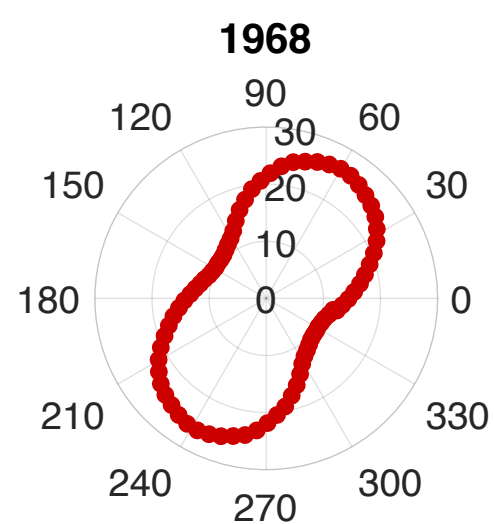
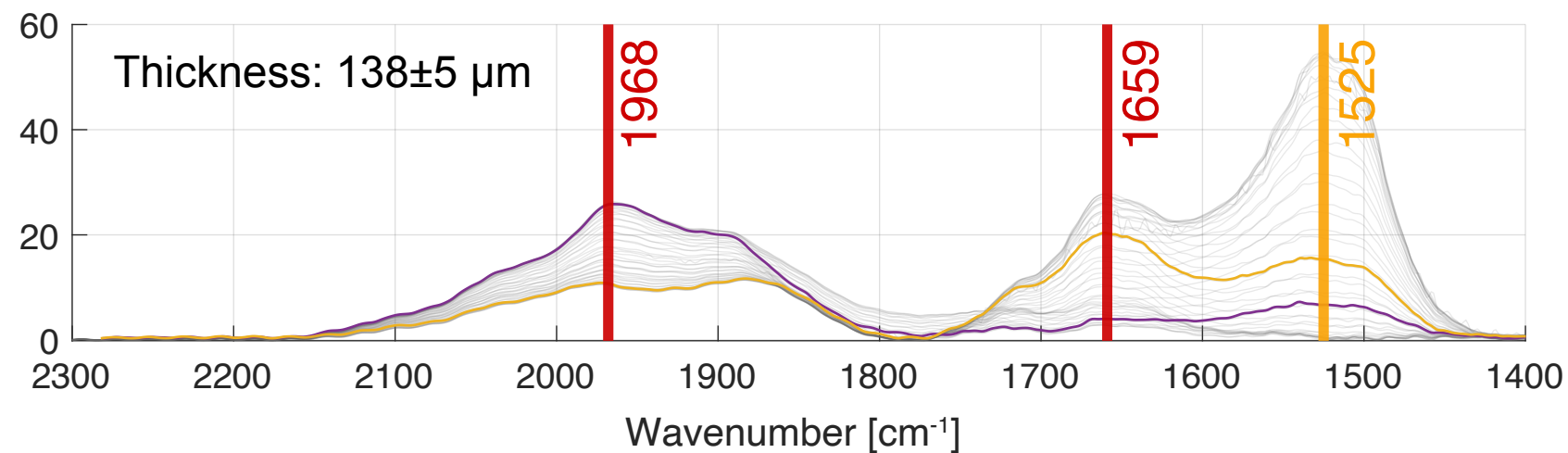
$[a^*]_{(a^*-b)}$

$[b]_{(a^*-b)}$

(b) O–H Region



Si–O Overtone Region



c

a^*

$[X]_{(a-c)}$

$[Y]_{(a-c)}$