



Figure 2: Exploded view of the probe design (left) and assembled probe (center). Probe base (blue) and scaffold assembly (green) with TMPCB (brown, 7) provides a generic mounting point for the NMR detector assembly (red). A microfluidic device (1) can be inserted from the top of the probe. The device is held in place by a spacer (4) between the detector planes (3 and 5) ensuring alignment of the sample chamber with the sensitive area on the PCB planes. The modular NMR detector is made up of parts 3,4 and, 5 and is connected to the TMPCB (7) through standard coaxial (SMP) connectors. The scaffold assembly is made up of aluminium tubes (11), scaffold support disks (9) and, auxiliary support disks (12).