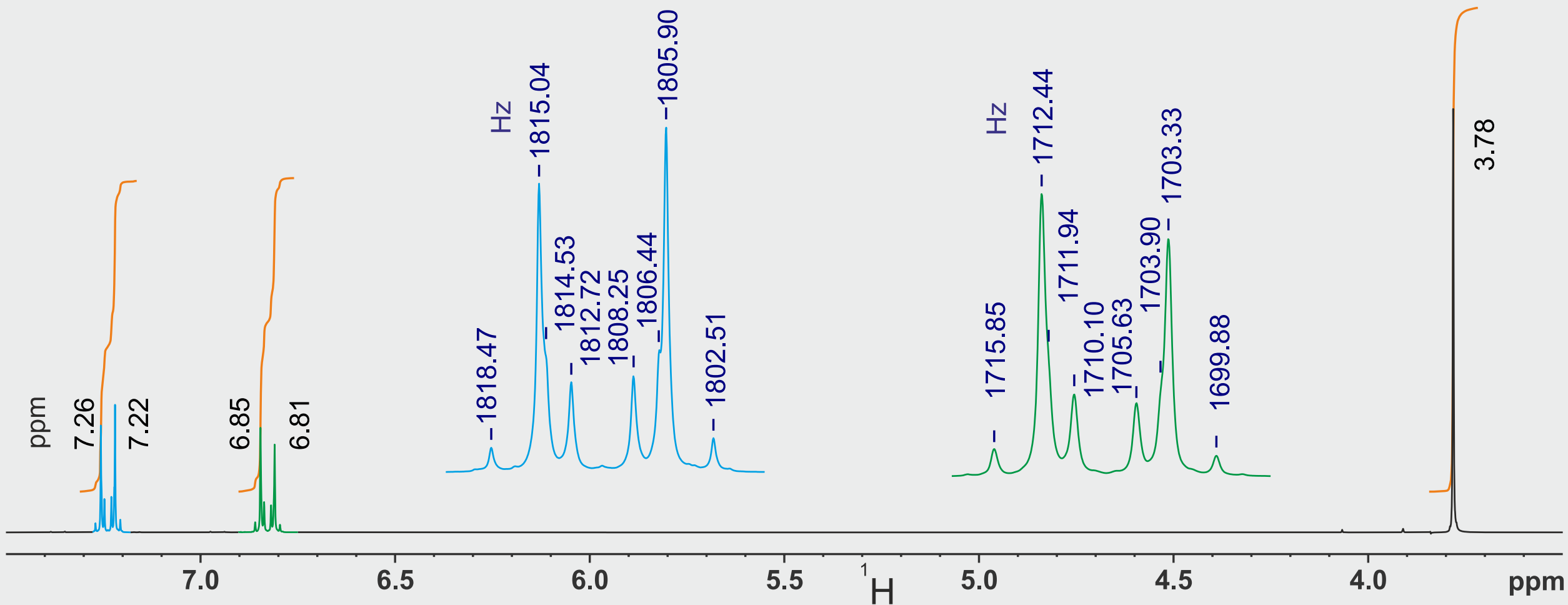


Exercise plus Solution – Quick overview

It is recommended to use this version only for a quick overview of the NMR challenge. All animations of the PowerPoint version are missing, under certain circumstances quality deficiencies may also occur.

The higher quality PowerPoint files are freely available for download at any time.



Deduce the structure.
(Please don't analyze the coupling patterns in detail)

(Please don't analyze the coupling patterns in detail)

¹H NMR spectrum measured at 250.13 MHz

ppm

Integral

7.26

7.22

6.85

6.81

Hz

1818.47

1815.04

1814.53

1812.72

1808.25

1806.44

1805.90

1802.51

Hz

1715.85

1712.44

1711.94

1710.10

1705.63

1703.90

1703.33

1699.88

3.78

ppm

¹H

ppm

7.26
7.22

7.0

6.5

6.0

5.5

 ^1H

5.0

4.5

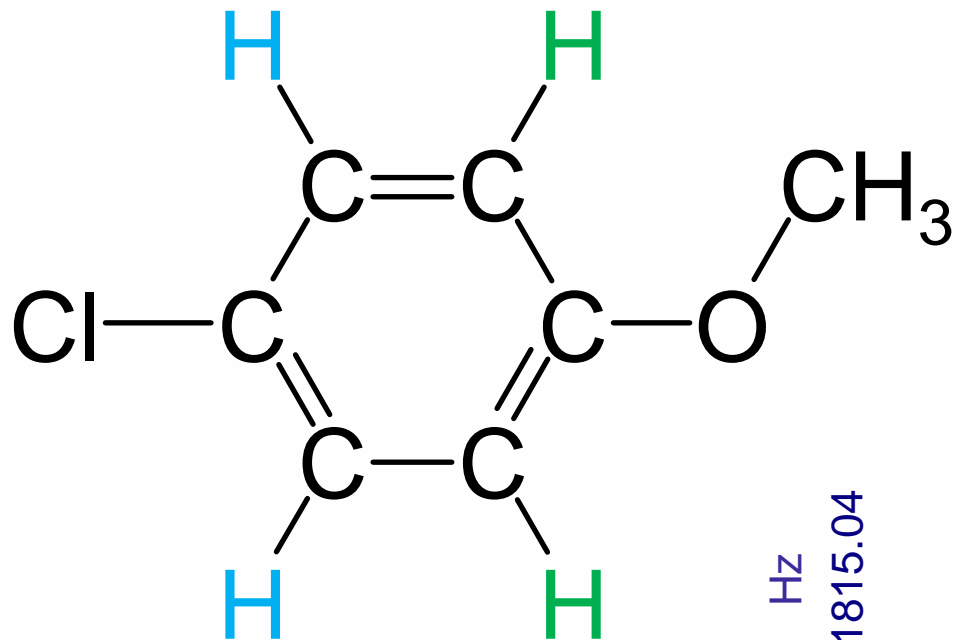
4.0

ppm

HN

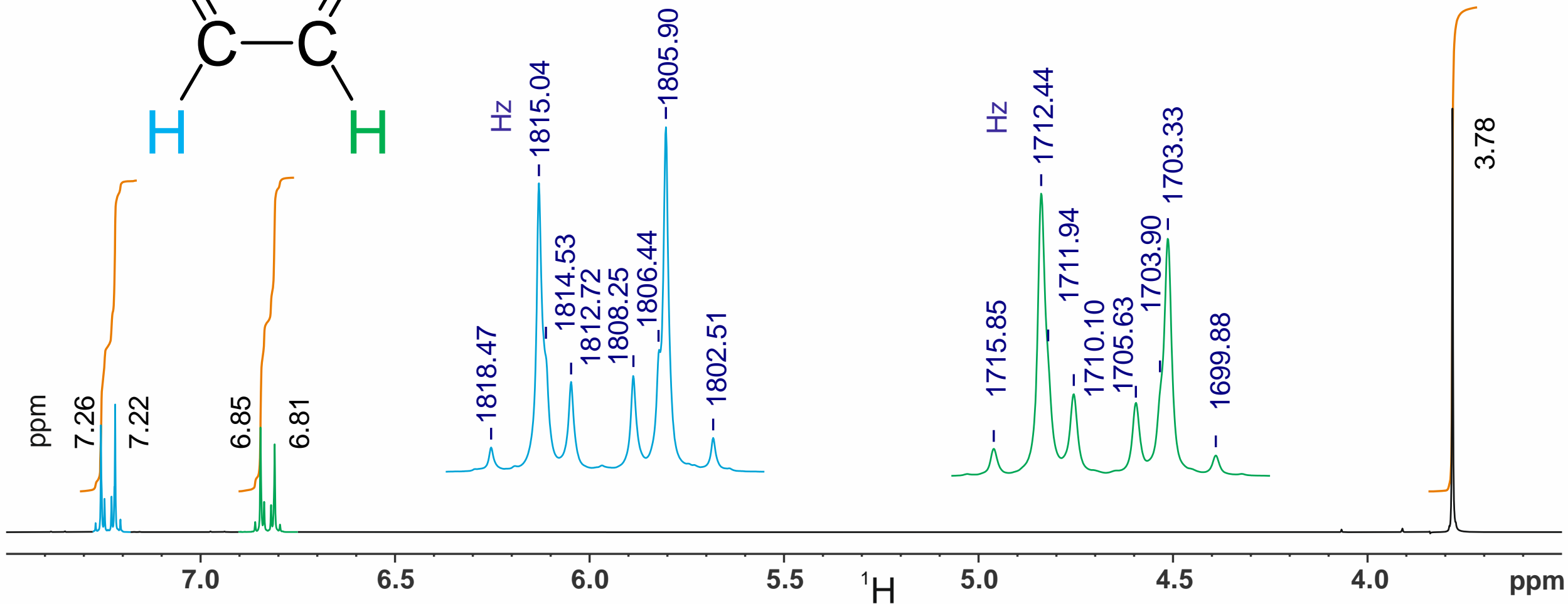
HN

3.78



Solution at a glance

As soon as you see the green footprints on the problem icon, the step-by-step-solution is available



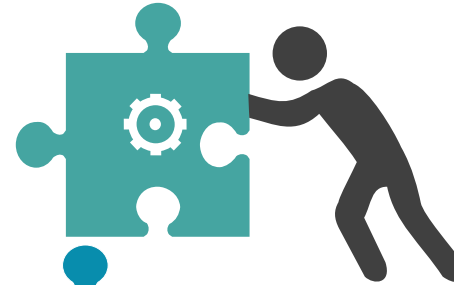
Contributions

Spectrometer time

TU Munich

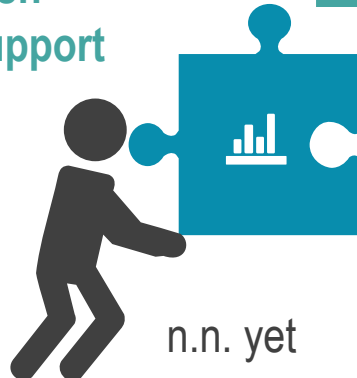


Measurements



Rainer Haeßner

Discussions and
native English
language support



n.n. yet

Compilation



Rainer Haeßner

[More exercises ...](#)