

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

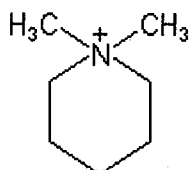
Analyte: Mepiquat

CAS No.: 15302-91-7

Formula: C₇H₁₆N

Molecular mass (lowest isotopes): 114,13 amu

Structure:



Ionisation: ESI +

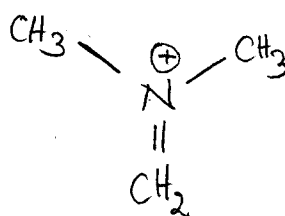
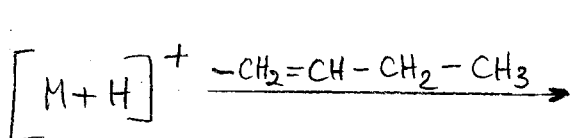
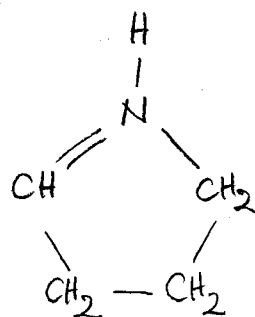
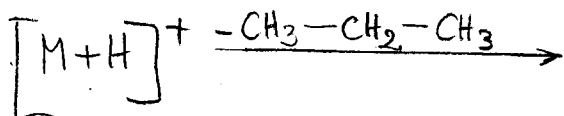
Quasimolecular ion: 114,1 amu = [M]⁺

Analyte sensitive parameter set (API 2000)

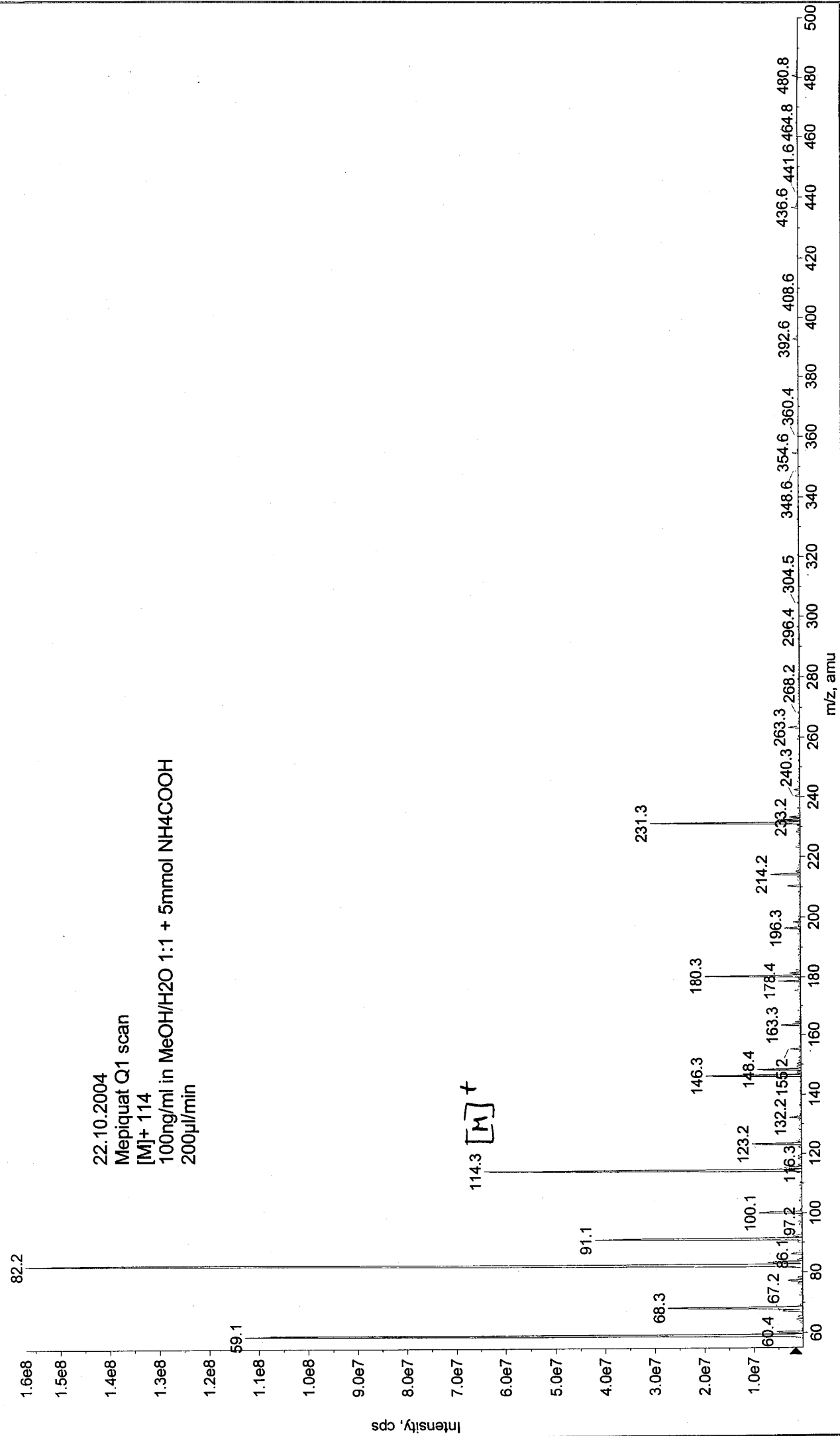
Transition	114,1 → 58,1	114,1 → 70,1
Declustering potential (DP) ^{*)}	4V	4 V
Focusing potential (FP)	370 V	370 V
Entrance potential (EP)	6,0 V	7,5 V
Collision cell entrance potential (CEP)	18 V	18 V
Collision energy (CE)	37 V	45 V
Collision cell exit potential (CXP)	8 V	10 V

^{*)} For API 3000 and 4000 enhance DP by 20V

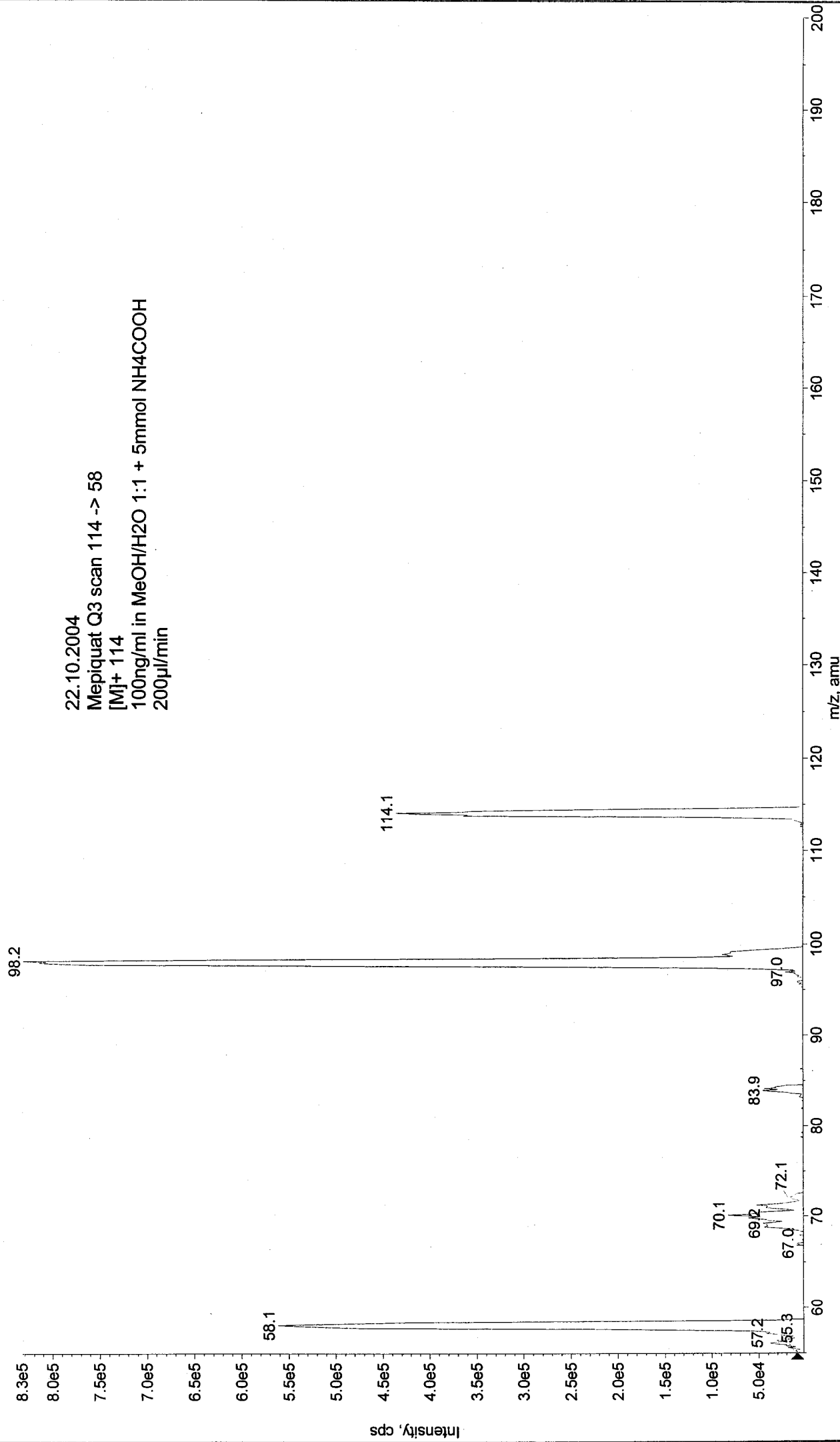
Fragmentation

 m/z 58 m/z 70

■ +Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20041022112655.wiff (Turbo Spray) Max. 1.6e8 cps



+MS2 (114.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20041022112917.wiff (Turbo Spray)



+MS2 (114.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20041022113749.wiff (Turbo Spray) Max. 4.3e5 cps.

