

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

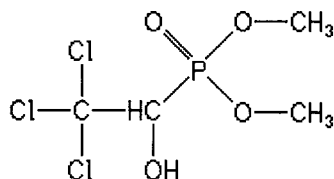
Analyte: Trichlorfon

CAS No.: 52-68-6

Formula: C₄H₈Cl₃O₄P

Molecular mass (lowest isotopes): 255,92 amu

Structure:



Ionisation: ESI +

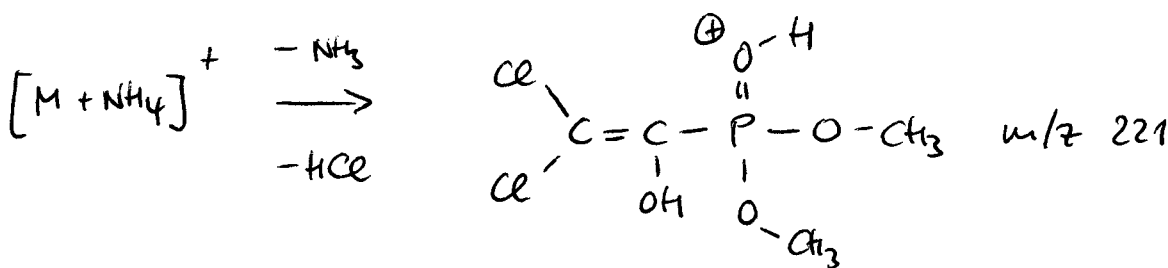
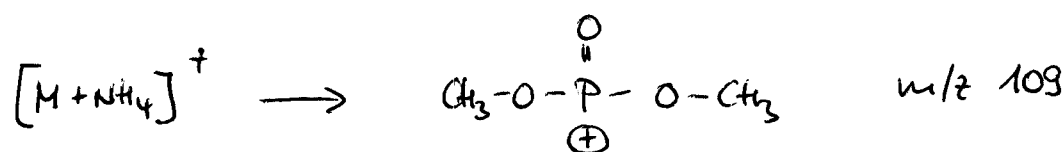
Quasimolecular ion: 274,0 amu = [M+NH₄]⁺

Analyte sensitive parameter set (API 2000)

Transition	274,0 → 108,9	274,0 → 221,0
Declustering potential (DP)*)	9 V	9 V
Focusing potential (FP)	350 V	360 V
Entrance potential (EP)	8,5 V	8,5 V
Collision cell entrance potential (CEP)	20 V	16 V
Collision energy (CE)	31 V	21 V
Collision cell exit potential (CXP)	6 V	10 V

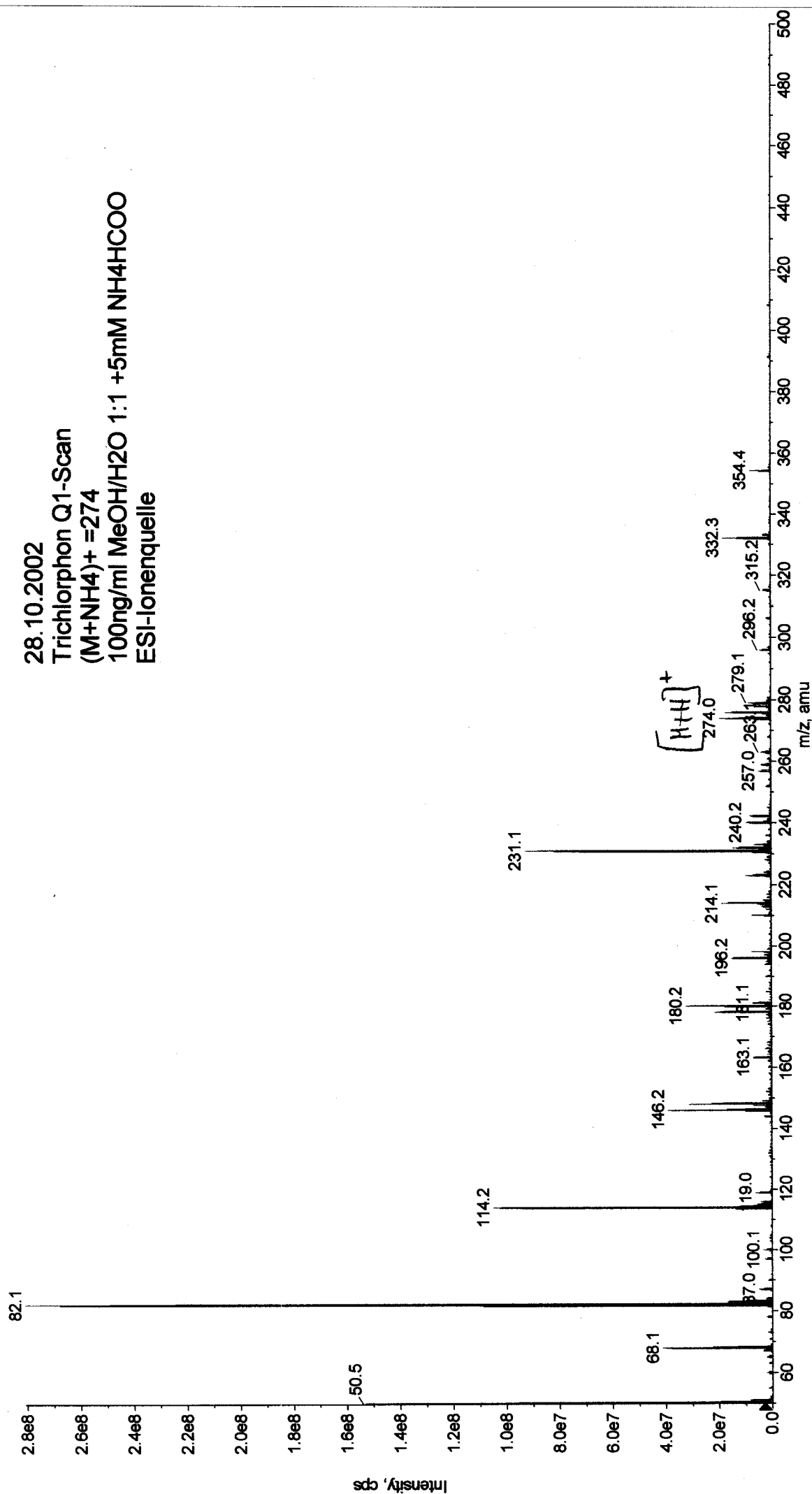
*) For API 3000 and 4000 enhance DP by 20V

Fragmentation



+Q1: 30 MCA scans from MT20021028144523.wiff

Max 2.8e8 cps



Max 3.3e6 cps

+Product (274.0): 30 MCA scans from MT20021028144316.wiff

