

MS/MS Parameters of Pesticides

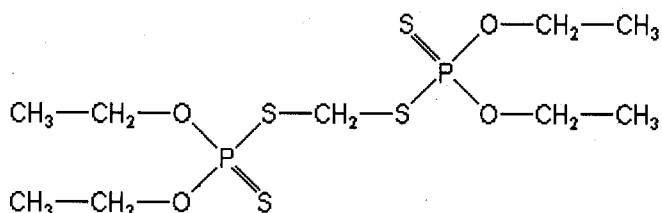
Analyte: Ethion

CAS No.: 563-12-2

Formula: C₉H₂₂O₄P₂S₄

Molecular mass (lowest isotopes): 383,99 amu

Structure:



Ionisation: ESI +

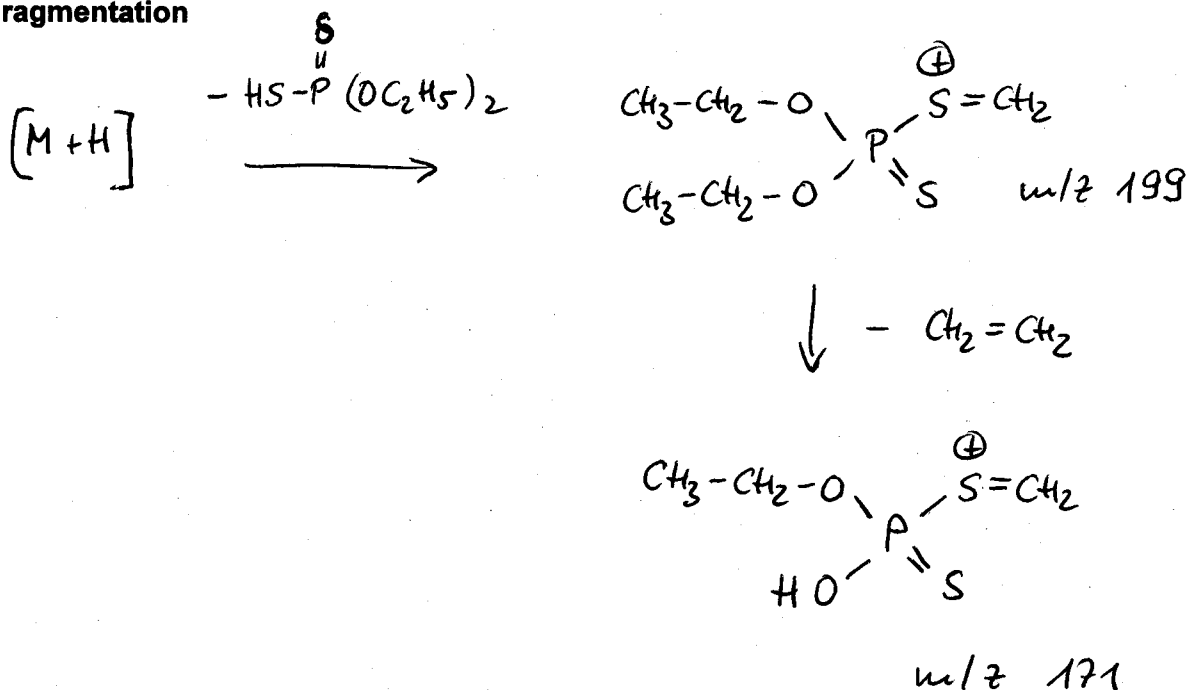
Quasimolecular ion: 385,0 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

Transition	385,0 → 199,1	385,0 → 171,0
Declustering potential (DP) ^{*)}	16 V	16 V
Focusing potential (FP)	370 V	370 V
Entrance potential (EP)	7,5 V	8,0 V
Collision cell entrance potential (CEP)	18 V	22 V
Collision energy (CE)	17 V	23 V
Collision cell exit potential (CXP)	10 V	8 V

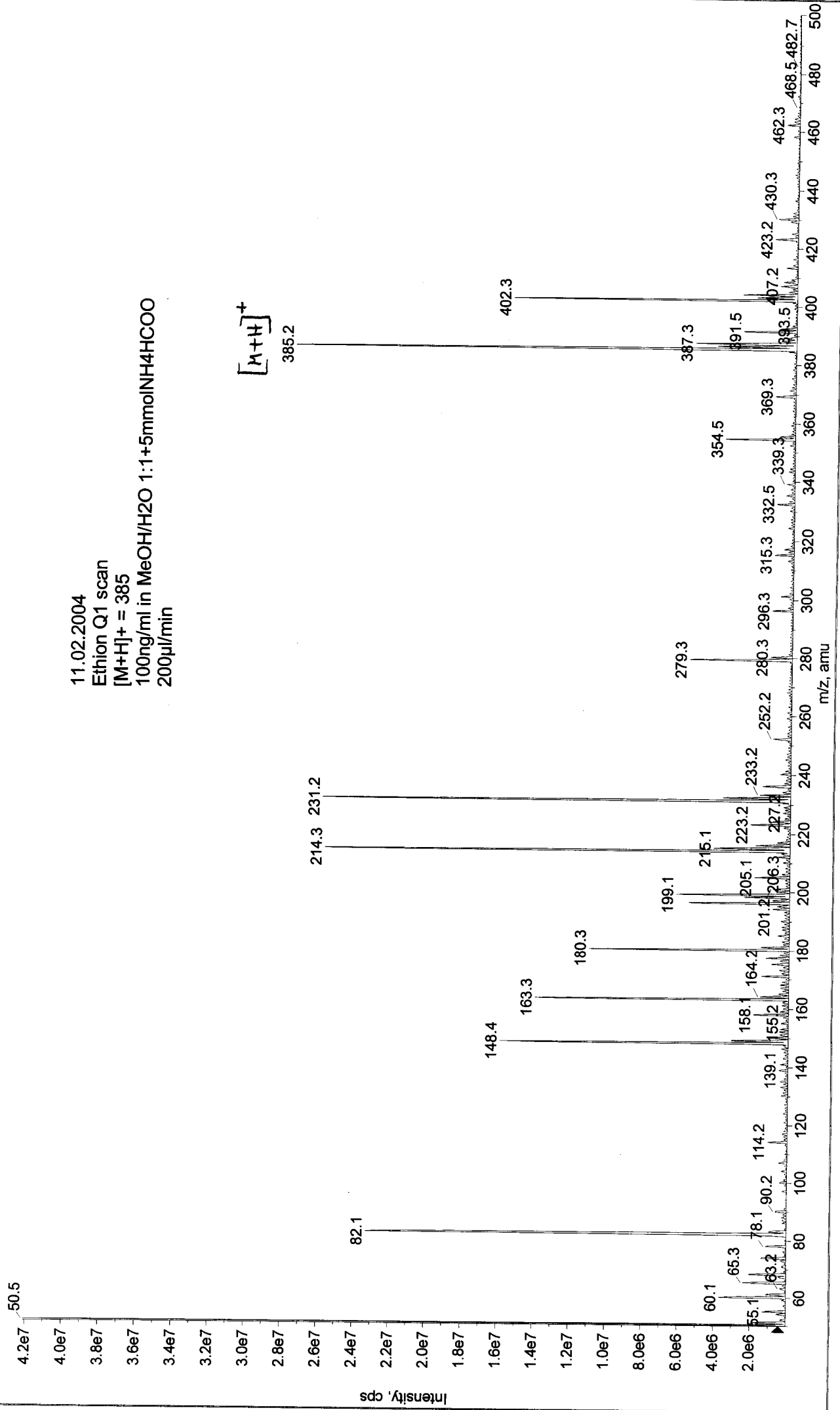
^{*)} For API 3000 and 4000 enhance DP by 20V

Fragmentation



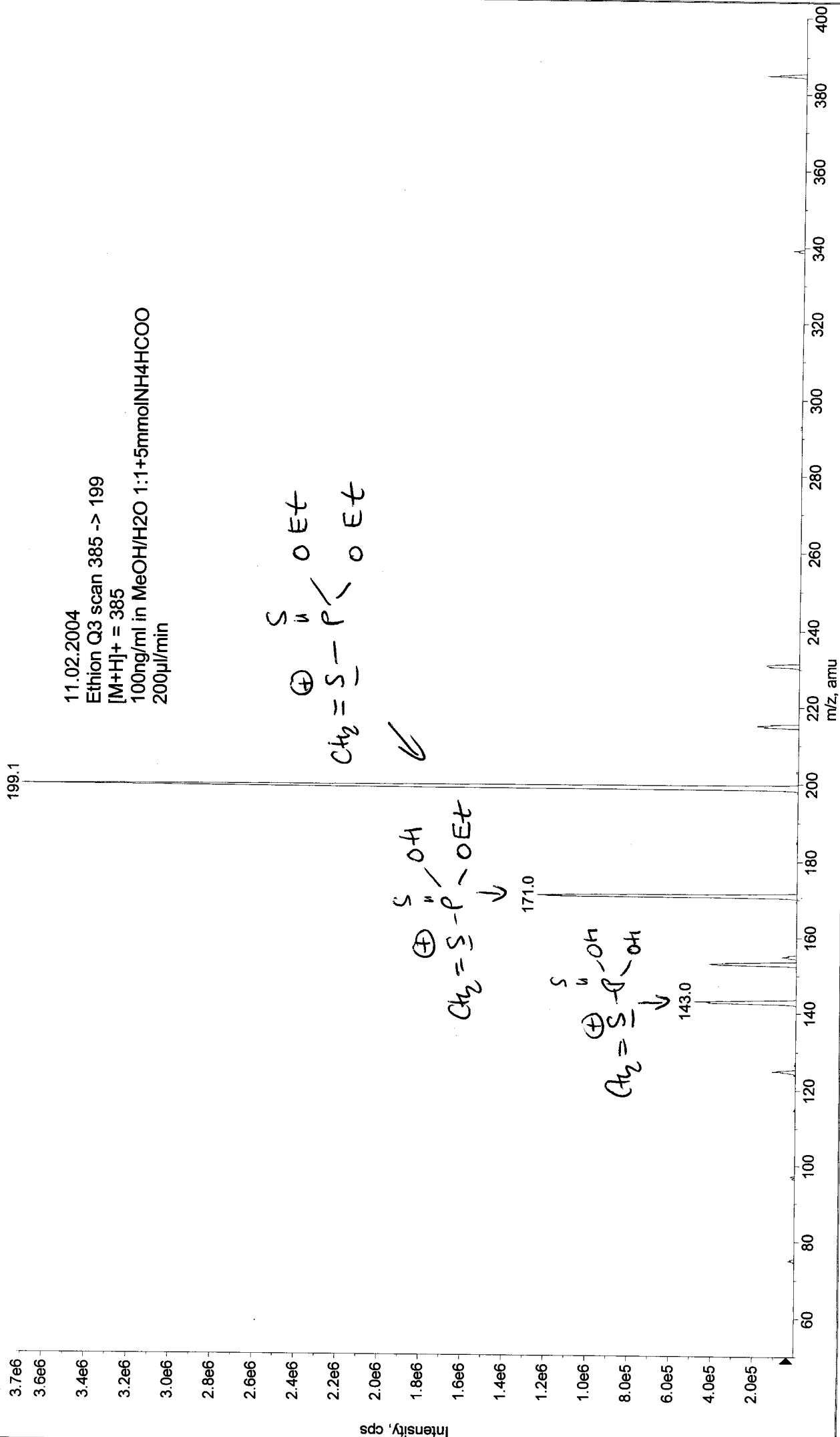
+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20040211081749.wiff (Turbo Spray)

Max. 4.2e7 cps.



+MS2 (385.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040211082204.wiff (Turbo Spray)

Max. 3.7e6 cps.



Max. 2.1e6 cps

+MS2 (385.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040211085257.wiff (Turbo Spray)

