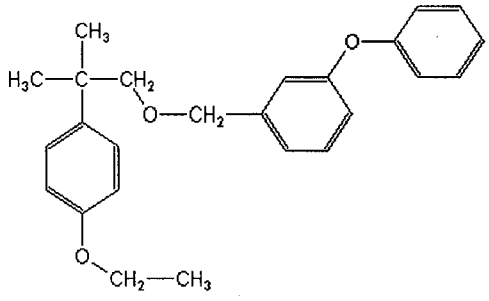
Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

Analyte: Etofenprox

CAS No.: 80844-07-1
Formula: C25H28O3
Molecular mass (lowest isotopes): 376,20 amu

Structure:



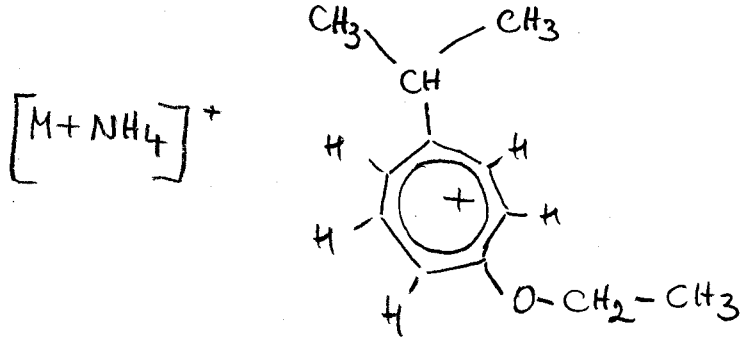
Ionisation: ESI + Quasimolecular ion: 394,2 amu = [M+NH4]+

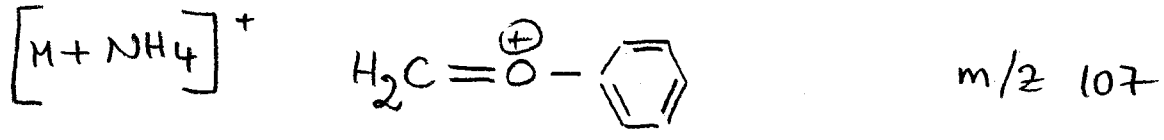
Analyte sensitive parameter set (API 2000)

Transition	394,2 → 177,3	394,2 → 107,1
Declustering potential (DP)*)	16 V	16 V
Focusing potential (FP)	370 V	310 V
Entrance potential (EP)	6,5 V	10,0 V
Collision cell entrance potential (CEP)	30 V	30 V
Collision energy (CE)	21 V	53 V
Collision cell exit potential (CXP)	8 V	6 V

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

Fragmentation

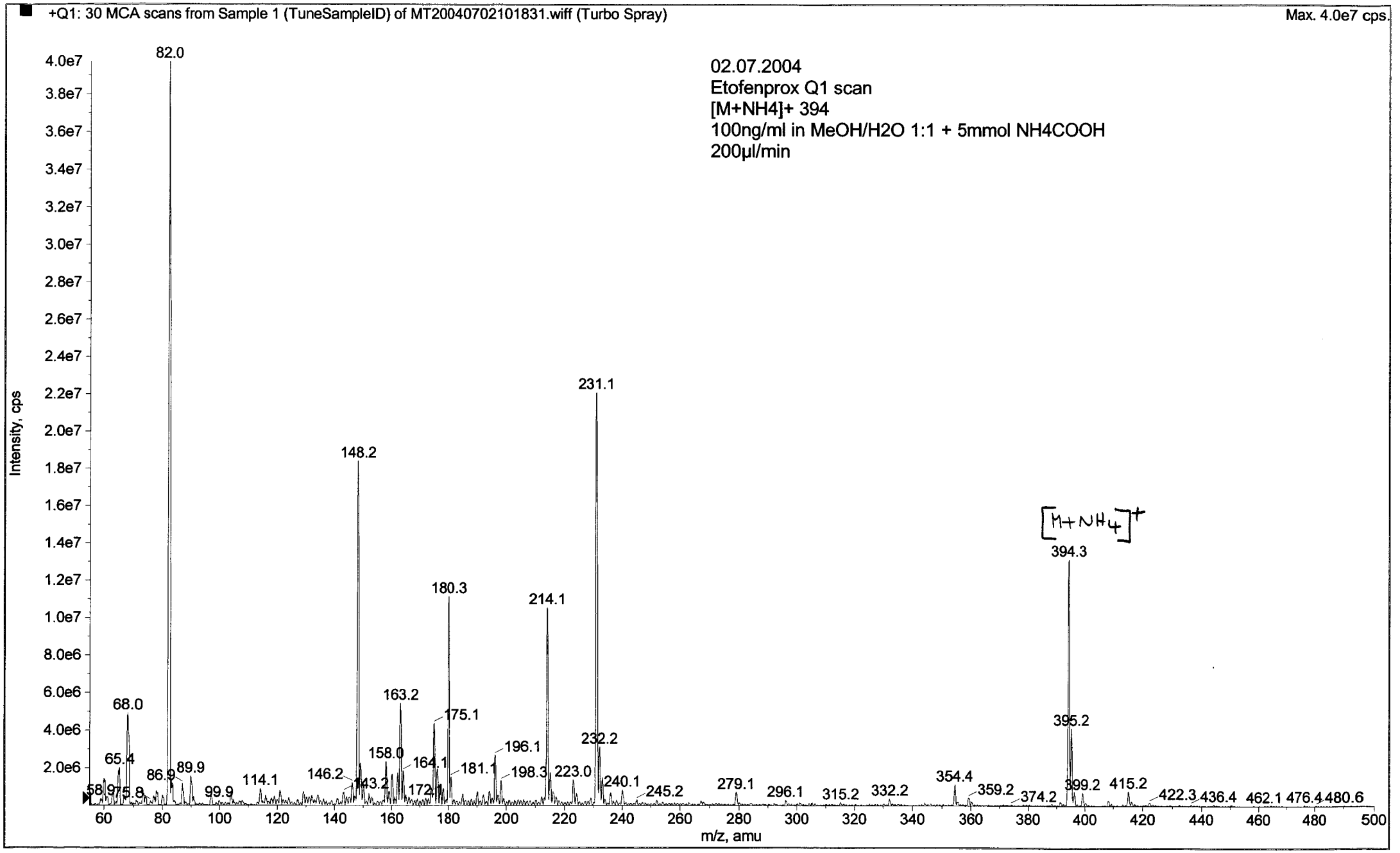


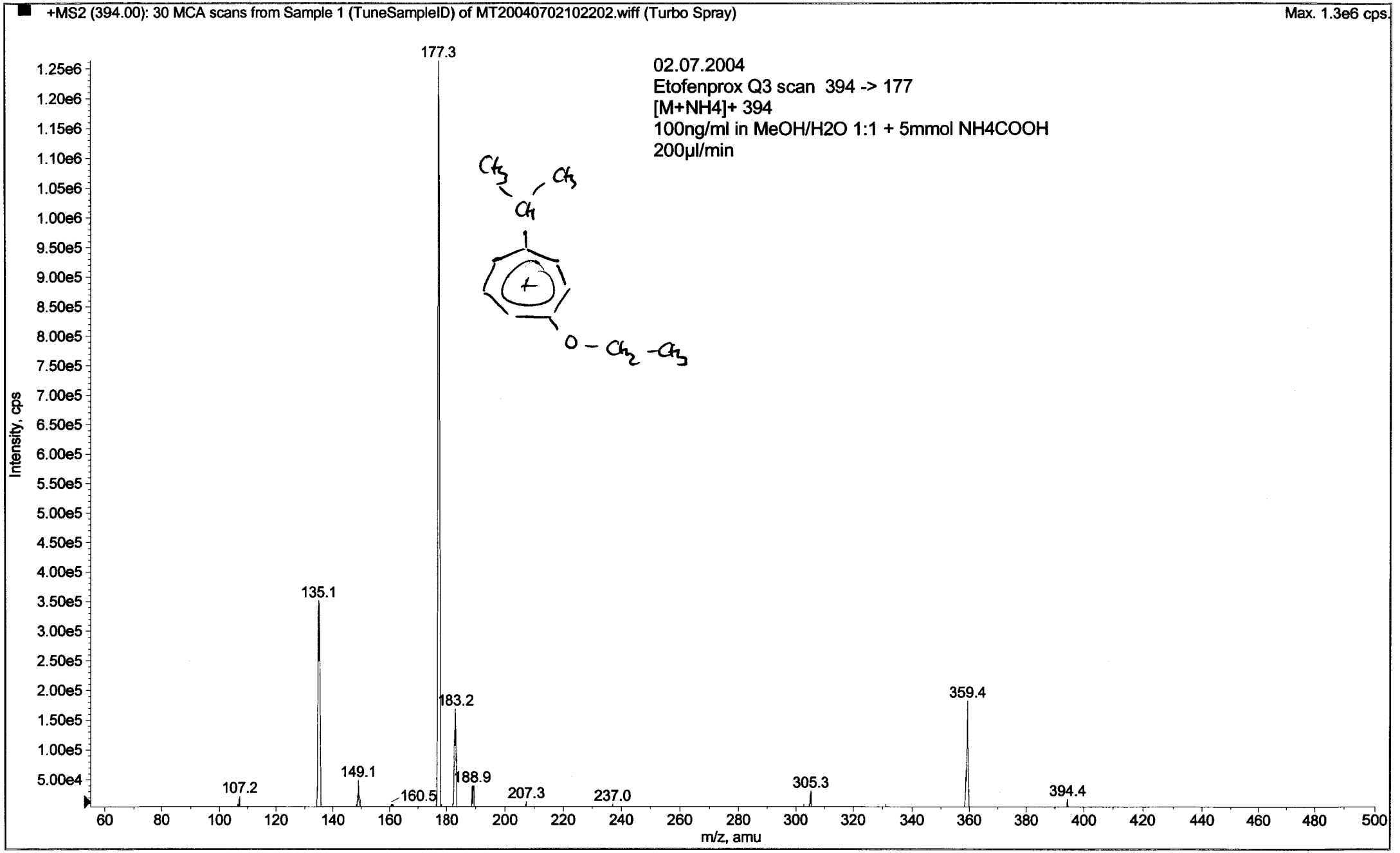


Printing Time: 10:20:53
Printing Date: Friday, July 02, 2004

Acq. Time: 10:18
Acq. Date: Friday, July 02, 2004
Acq. File: MT20040702101831.wiff

Sample Comment:
Sample Name: TuneSampleID
Batch Name: ManualTune.bat




+MS2 (394.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040702102202.wiff (Turbo Spray)
Max. 1.3e6 cps.
02.07.2004
Etofenprox Q3 scan 394 -> 177
[M+NH4]+ 394
100ng/ml in MeOH/H2O 1:1 + 5mmol NH4COOH
200µl/min
Intensity, cps
m/z, amu
177.3
135.1
183.2
359.4
149.1
188.9
107.2
160.5
207.3
237.0
305.3
394.4

Printing Time: 11:54:33
Printing Date: Friday, July 02, 2004

Acq. Time: 11:52
Acq. Date: Friday, July 02, 2004
Acq. File: MT20040702115236.wiff

Sample Comment:
Sample Name: TuneSampleID
Batch Name: ManualTune.bat

+MS2 (394.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040702115236.wiff (Turbo Spray)

Max. 8.7e5 cps.