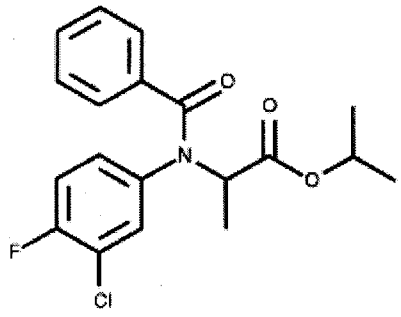
Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

Analyte: Flamprop-M-isopropyl

CAS No.: 63782-90-1
Formula: C19H19ClFNO3
Molecular mass (lowest isotopes): 363,10 amu

Structure:



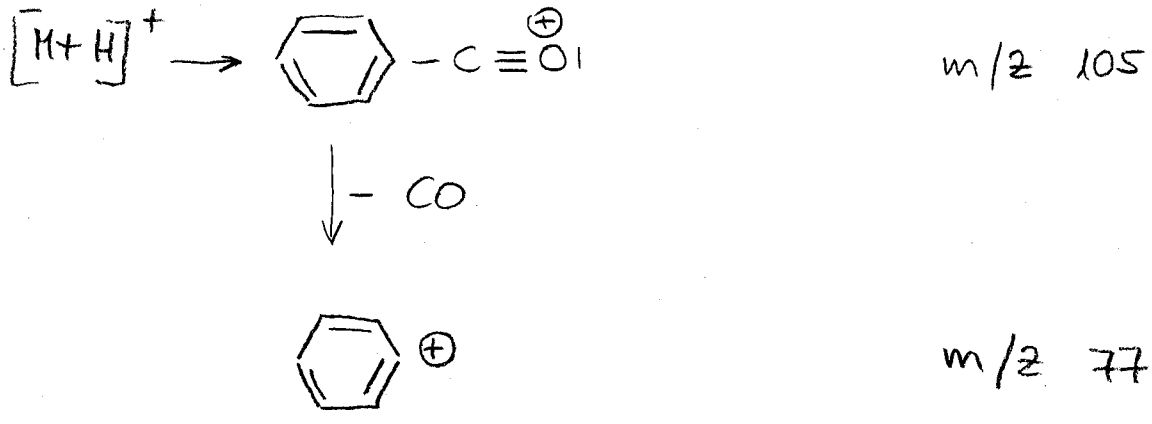
Ionisation: ESI + Quasimolecular ion: 364,1 amu = [M+H]+

Analyte sensitive parameter set (API 2000)

Transition	364,1 → 77,1	364,1 → 105,2
Declustering potential (DP)*)	34 V	34 V
Focusing potential (FP)	360 V	350 V
Entrance potential (EP)	10,0 V	10,0 V
Collision cell entrance potential (CEP)	24 V	24 V
Collision energy (CE)	71 V	23 V
Collision cell exit potential (CXP)	4 V	4 V

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

Fragmentation



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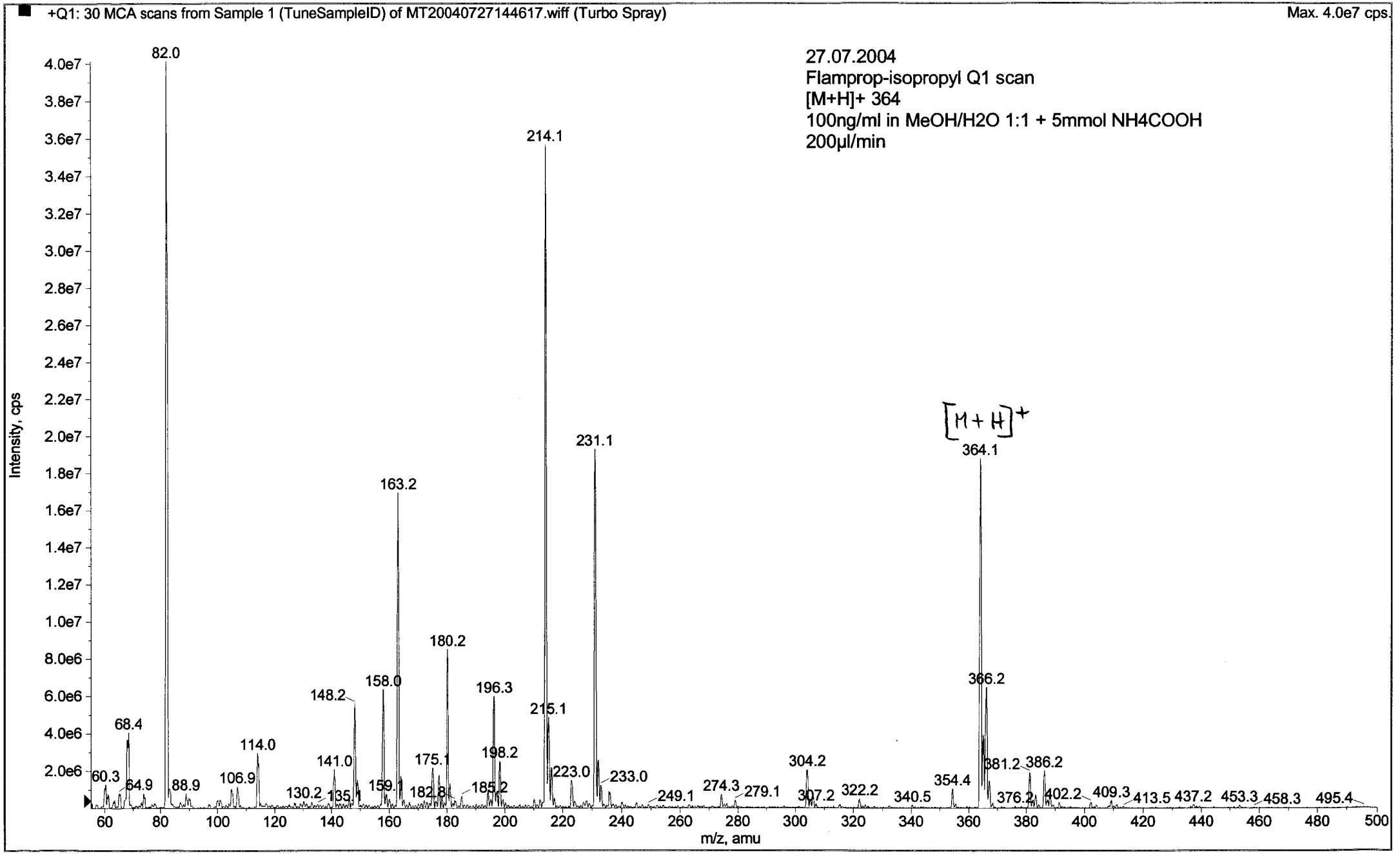
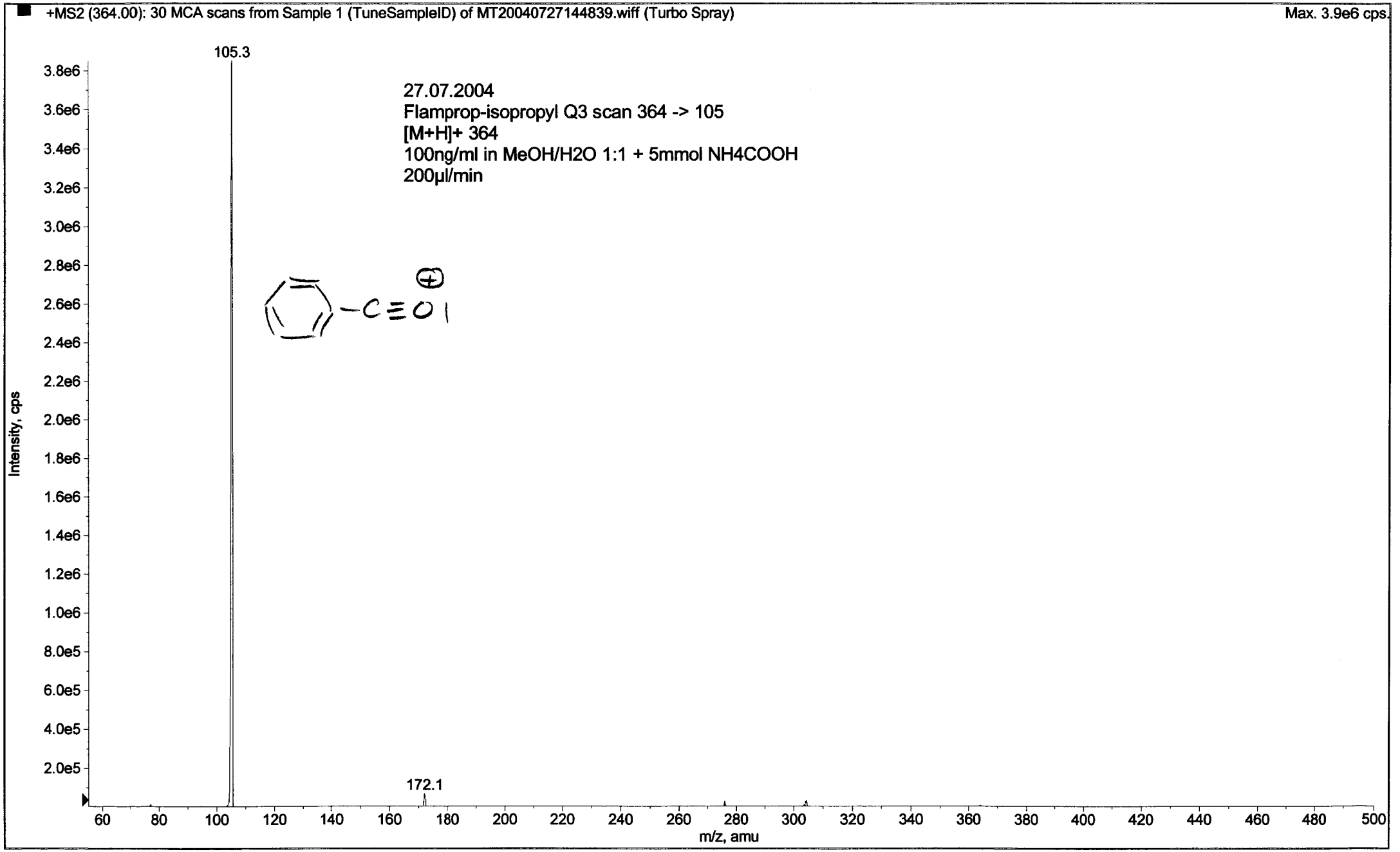
Printing Date: Tuesday, July 27, 2004

Acq. Time: 14:46
Acq. Date: Tuesday, July 27, 2004
Acq. File: MT20040727144617.wiff

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

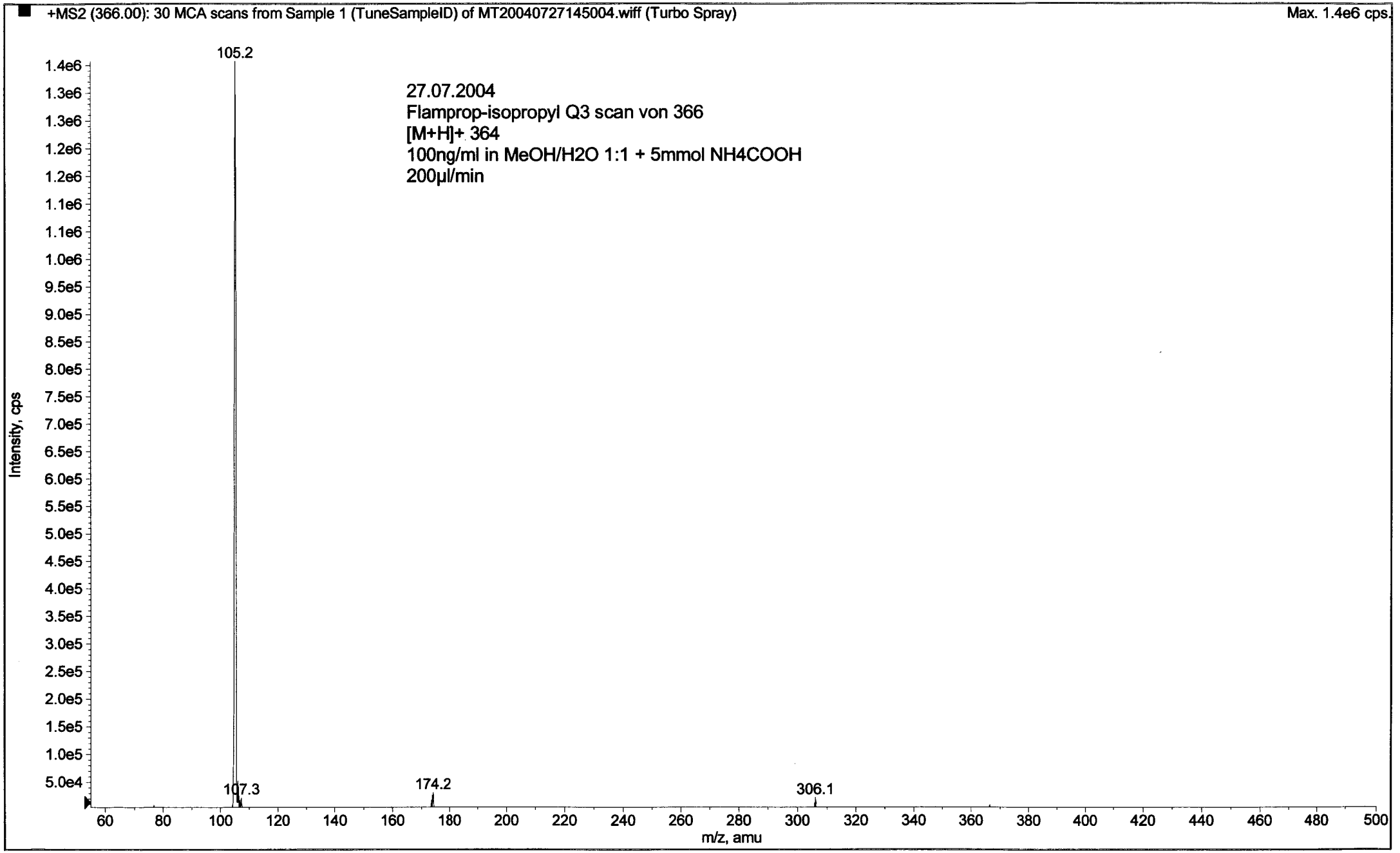


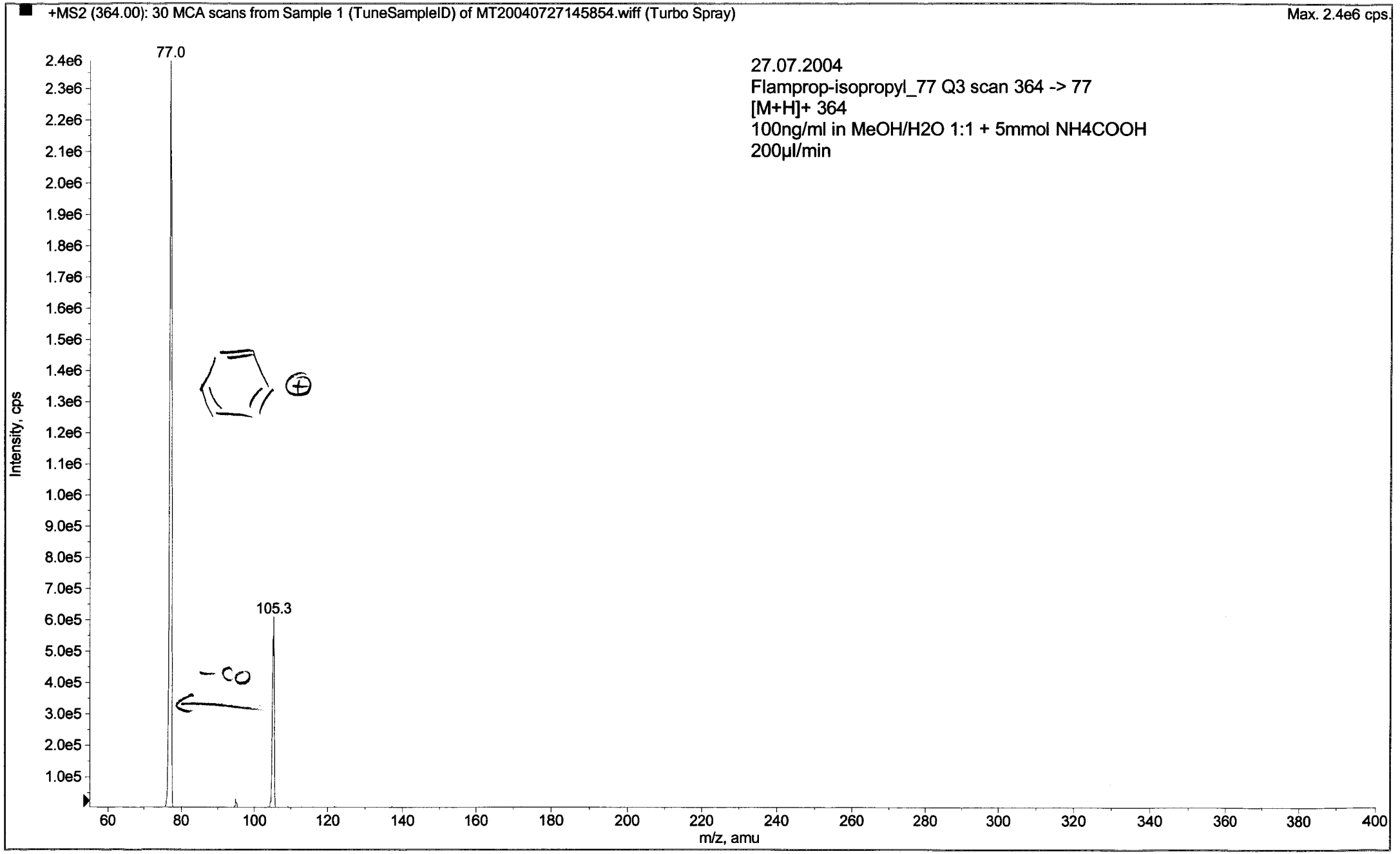

+MS2 (364.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040727144839.wiff (Turbo Spray)
Max. 3.9e6 cps.
105.3
172.1
27.07.2004
Flamprop-isopropyl Q3 scan 364 -> 105
[M+H]+ 364
100ng/ml in MeOH/H2O 1:1 + 5mmol NH4COOH
200µl/min
Intensity, cps
m/z, amu

Printing Time: 14:51:12
Printing Date: Tuesday, July 27, 2004

Acq. Time: 14:50
Acq. Date: Tuesday, July 27, 2004
Acq. File: MT20040727145004.wiff

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




+MS2 (364.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040727145854.wiff (Turbo Spray)
Max. 2.4e6 cps.
77.0
105.3
27.07.2004
Flamprop-isopropyl_77 Q3 scan 364 -> 77
[M+H]+ 364
100ng/ml in MeOH/H2O 1:1 + 5mmol NH4COOH
200µl/min
-CO
Intensity, cps
2.4e6
2.3e6
2.2e6
2.1e6
2.0e6
1.9e6
1.8e6
1.7e6
1.6e6
1.5e6
1.4e6
1.3e6
1.2e6
1.1e6
1.0e6
9.0e5
8.0e5
7.0e5
6.0e5
5.0e5
4.0e5
3.0e5
2.0e5
1.0e5
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
m/z, amu