User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 04/05/2002 Time: 15:23:50

Sample: AE05918
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 4/5/02 15:23 Ended: 4/5/02 15:23 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		94		5.0

YA Comp
3/10/12
[illegible]
[illegible]
58

Pipradine
ok

Comments for Sample AE05918 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 04-05-2002 Time: 15:33:07

The GCMS scan, from 35 to 550 amu, reveals the tentative presence of Piperidine.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\032202\5918.D Vial: 12
Acq On : 23 Mar 2002 4:21 am Operator: McLean
Sample : SAMPLE 5918 3/14/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Apr 05 07:30:40 2002 Quant Results File: 5080302.RES

Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Wed Mar 27 06:57:36 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.55	150	1404563	20.00	ug/L	0.00
10) Naphthalene-d8	13.03	136	4282259	20.00	ug/L	0.00
17) Acenaphthene-d10	18.14	164	2369246	20.00	ug/L	0.00
29) Phenanthrene-d10	22.50	188	3586476	20.00	ug/L	0.00
38) Chrysene-d12	30.31	240	2659849	20.00	ug/L	-0.01
44) Perylene-d12	34.18	264	1361049	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-DDD (SURR)	27.43	235	201430	4.71	ug/L	0.00
Spiked Amount 5.000			Recovery = 94.20%			
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	3.30	74	6792	N.D.		
3) bis(2-chloroethyl) ether	0.00	93	0	N.D.		
4) 1,3 - Dichlorobenze	0.00	146	0	N.D.		
5) 1,4 - Dichlorobenzene	0.00	146	0	N.D.		
6) 1,2 - Dichlorobenzene	0.00	146	0	N.D.		
7) 2,2 ' - oxybis (1-Chloropr	0.00	45	0	N.D.		
8) N-Nitroso-di-n-propylamine	0.00	70	0	N.D.		
9) Hexachloroethane	0.00	117	0	N.D.		
11) Nitrobenzene	0.00	77	0	N.D.		
12) Isophorone	0.00	82	0	N.D.		
13) bis(2-Chloroethoxy) methan	0.00	93	0	N.D.		
14) 1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
15) Naphthalene	0.00	128	0	N.D.		
16) Hexachlorobutadiene	0.00	225	0	N.D.		
18) Hexachlorocyclopentadiene	0.00	237	0	N.D.		
19) 2-chloronaphthalene	0.00	162	0	N.D.		
20) Dimethylphthalate	0.00	163	0	N.D.		
21) 2,6-Dinitrotoluene	0.00	165	0	N.D.	d	
22) Acenaphthylene	0.00	152	0	N.D.		
23) Acenaphthene	0.00	153	0	N.D.		
24) 2,4-Dinitrotoluene	0.00	165	0	N.D.		
25) Diethylphthalate	0.00	149	0	N.D.		
26) 4-Chlorophenyl-phenyl ethe	0.00	204	0	N.D.		
27) Fluorene	0.00	166	0	N.D.		
28) Azobenzen/ 1,2-Diphenylhyd	0.00	77	0	N.D.		
30) N-Nitrosodiphenylamine	0.00	169	0	N.D.		
31) 4-Bromophenyl-phenyl ether	0.00	248	0	N.D.		
32) Hexachlorobenzene	0.00	284	0	N.D.		
33) Phenanthrene	0.00	178	0	N.D.		
34) Anthracene	0.00	178	0	N.D.		
35) Di-n-butylphthalate	24.65	149	16587	N.D.		
36) Fluoranthene	0.00	202	0	N.D.		
39) Pyrene	0.00	202	0	N.D.		
40) Butylbenzylphthalate	0.00	149	0	N.D.		
41) Benzo (a) antracene	30.31	228	6706	N.D.		
42) Bis (2-ethylhexyl) phthala	30.91	149	5048	N.D.		
43) Chrysene	30.31	228	6706	N.D.		
45) Di-n-Octylphthalate	0.00	149	0	N.D.		
46) Benzo (b) fluoranthene	0.00	252	0	N.D.		

(#) = qualifier out of range (m) = manual integration
5918.D 5080302.M Fri Apr 05 07:30:55 2002 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\032202\5918.D Vial: 12
Acq On : 23 Mar 2002 4:21 am Operator: McLean
Sample : SAMPLE 5918 3/14/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Apr 05 07:30:40 2002 Quant Results File: 5080302.RES

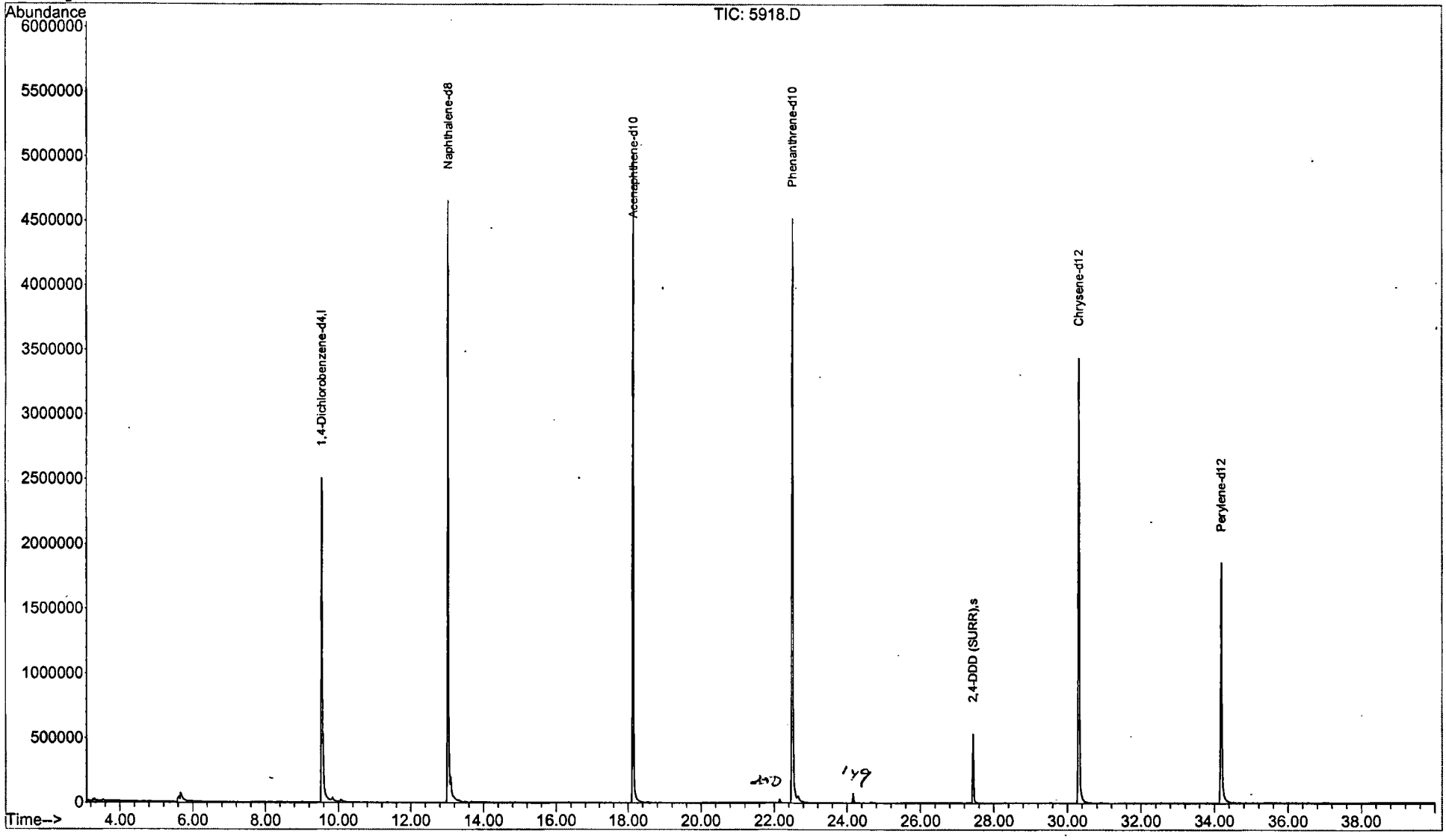
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Wed Mar 27 06:57:36 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
47) Benzo (k) fluoranthene	0.00	252	0	N.D.	
48) Benzo (a) pyrene	34.19	252	4191	N.D.	
49) Indeno (1,2,3-cd) pyrene	0.00	276	0	N.D.	
50) Dibenz (a,h) anthracene	0.00	278	0	N.D.	
51) Benzo (g,h,i) perylene	0.00	276	0	N.D.	

(#) = qualifier out of range (m) = manual integration
5918.D 5080302.M Fri Apr 05 07:30:55 2002 Page 2

Data File : C:\MSDCHEM\1\DATA\032202\5918.D Vial: 12
Acq On : 23 Mar 2002 4:21 am Operator: McLean
Sample : SAMPLE 5918 3/14/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Apr 5 7:30 2002 Quant Results File: 5080302.RES

Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Wed Mar 27 06:57:36 2002
Response via : Initial Calibration



```
Library Searched : C:\database\wiley7n.l
Quality          : 96
ID               : Piperidine, 1-(1-phenylcyclohexyl)- (CAS) $$ Phencyclidine $$ SERNYLAN
                   ,SERNYL $$ HOG $$ PCP $$ Cl-395 $$ PCP (anesthetic) $$ 1-(1-Phenylcycl
                   ohexyl)piperidine $$ Phencyclidene $$ 1-(1'-phenylcyclohexyl)piperidin
                   e $$ Phencylidine $$ Sernyl $$ Elysion $$ Ser
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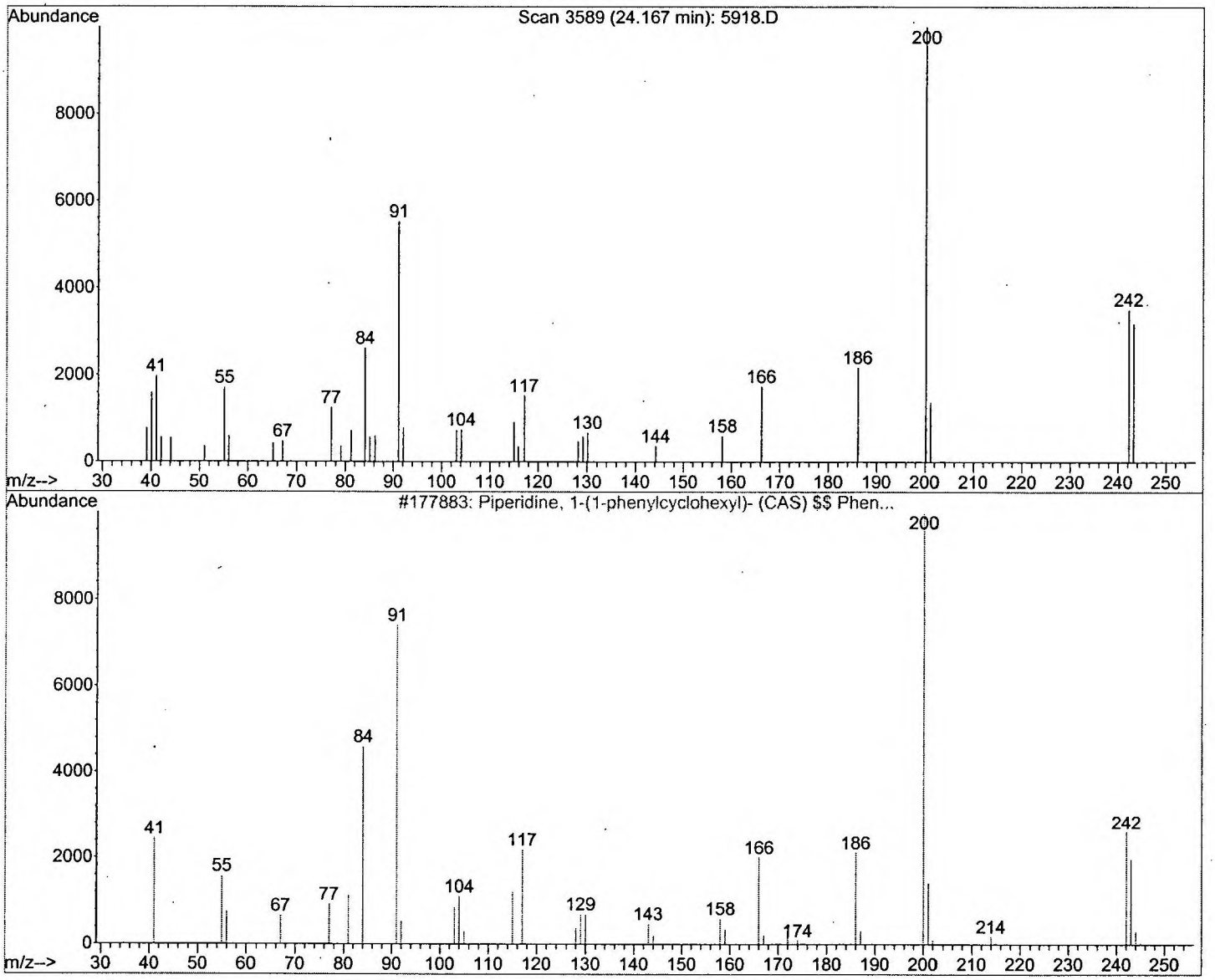
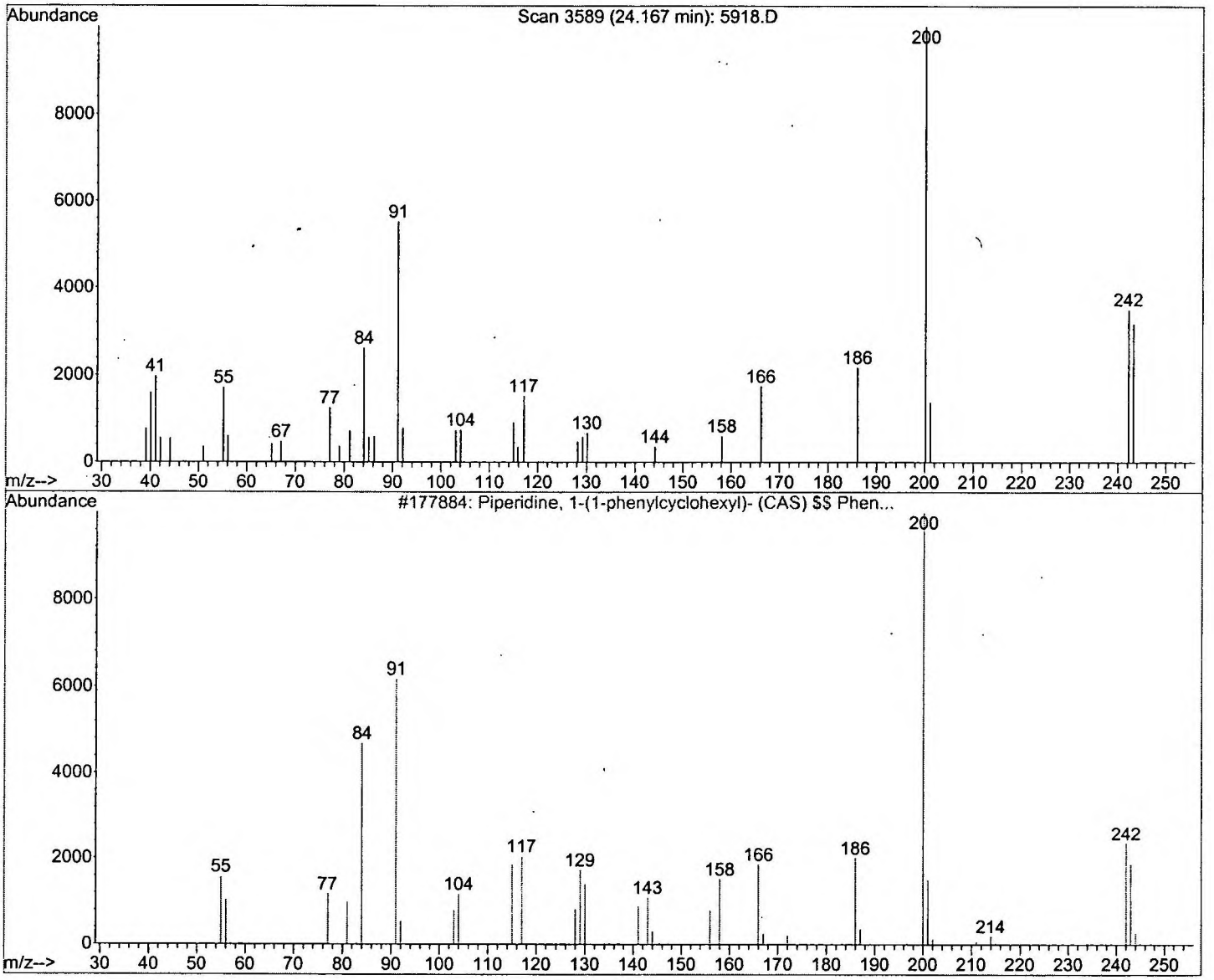
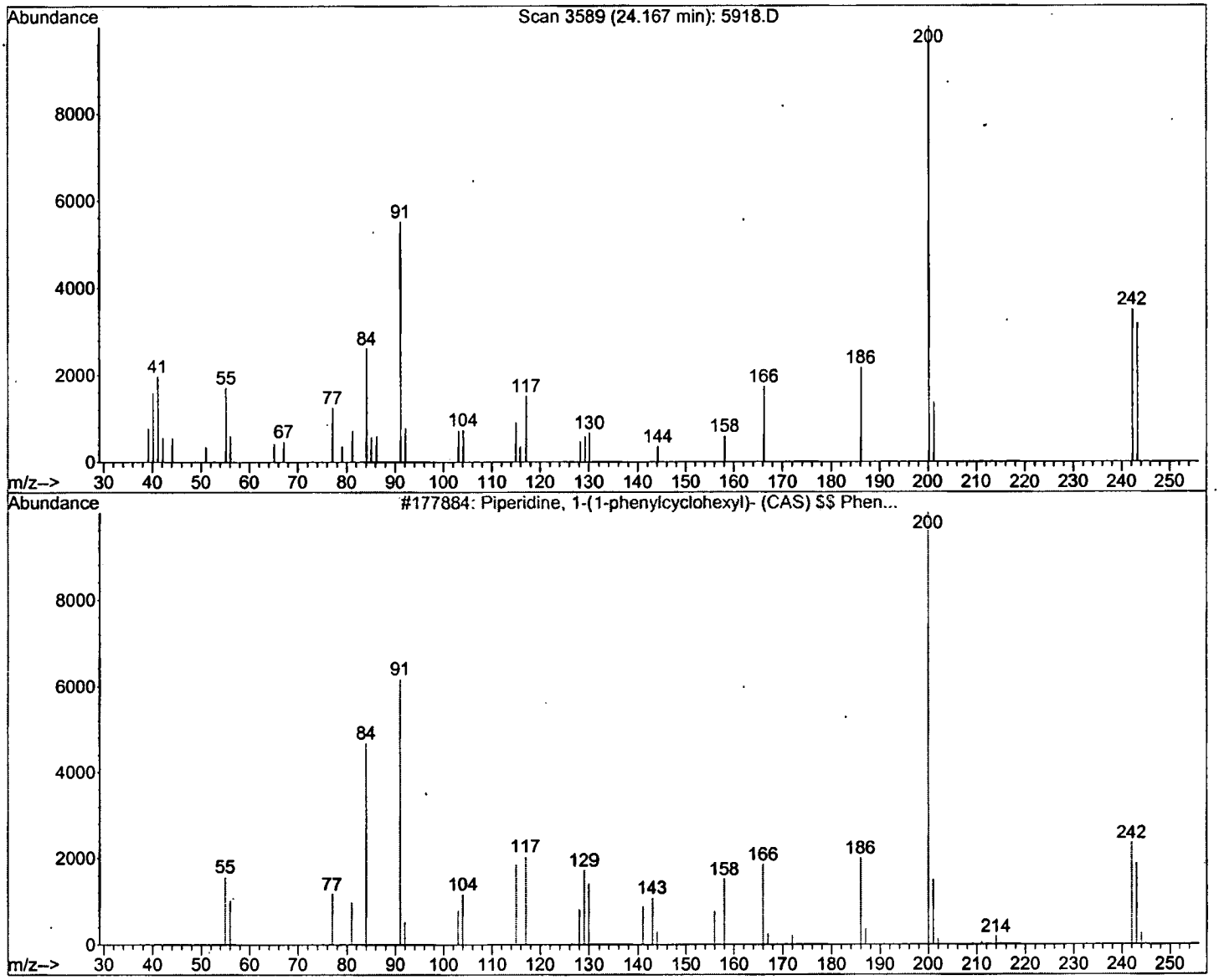


Library Searched : C:\database\wiley7n.l
Quality : 91
ID : Piperidine, 1-(1-phenylcyclohexyl)- (CAS) $$ Phencyclidine $$ SERNYLAN ,SERNYL $$ HOG $$ PCP $$ Cl-395 $$ PCP (anesthetic) $$ 1-(1-Phenylcycl ohexyl)piperidine $$ Phencyclidene $$ 1-(1'-phenylcyclohexyl)piperidin e $$ Phencylidine $$ Sernyl $$ Elysion $$ Ser



Library Searched : C:\database\wiley7n.l
Quality : 91
ID : Piperidine, 1-(1-phenylcyclohexyl)- (CAS) $$ Phencyclidine $$ SERNYLAN ,SERNYL $$ HOG $$ PCP $$ Cl-395 $$ PCP (anesthetic) $$ 1-(1-Phenylcycl ohexyl)piperidine $$ Phencyclidene $$ 1-(1'-phenylcyclohexyl)piperidin e $$ Phencylidine $$ Sernyl $$ Elysion $$ Ser



Library Searched : C:\database\wiley7n.l
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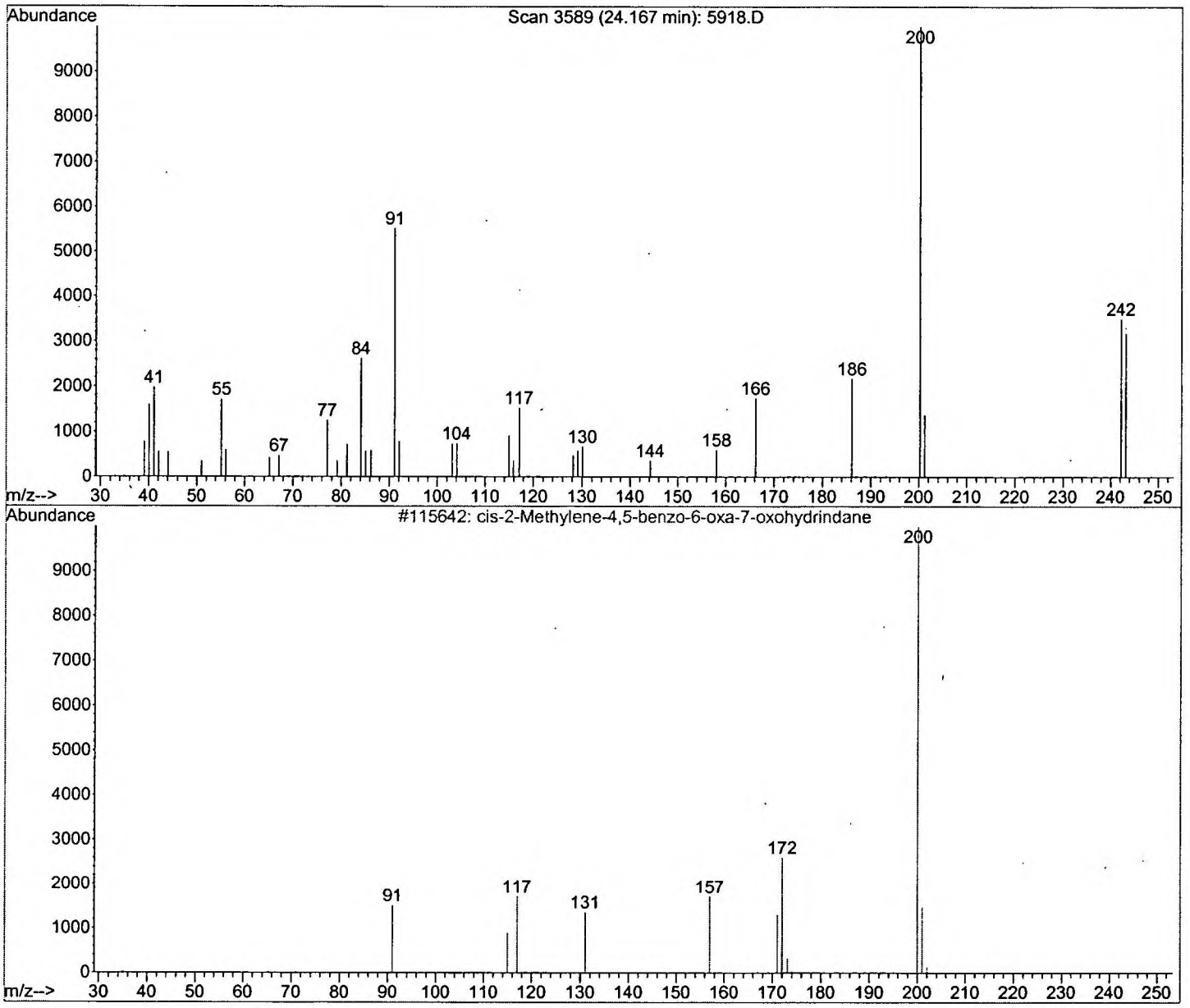
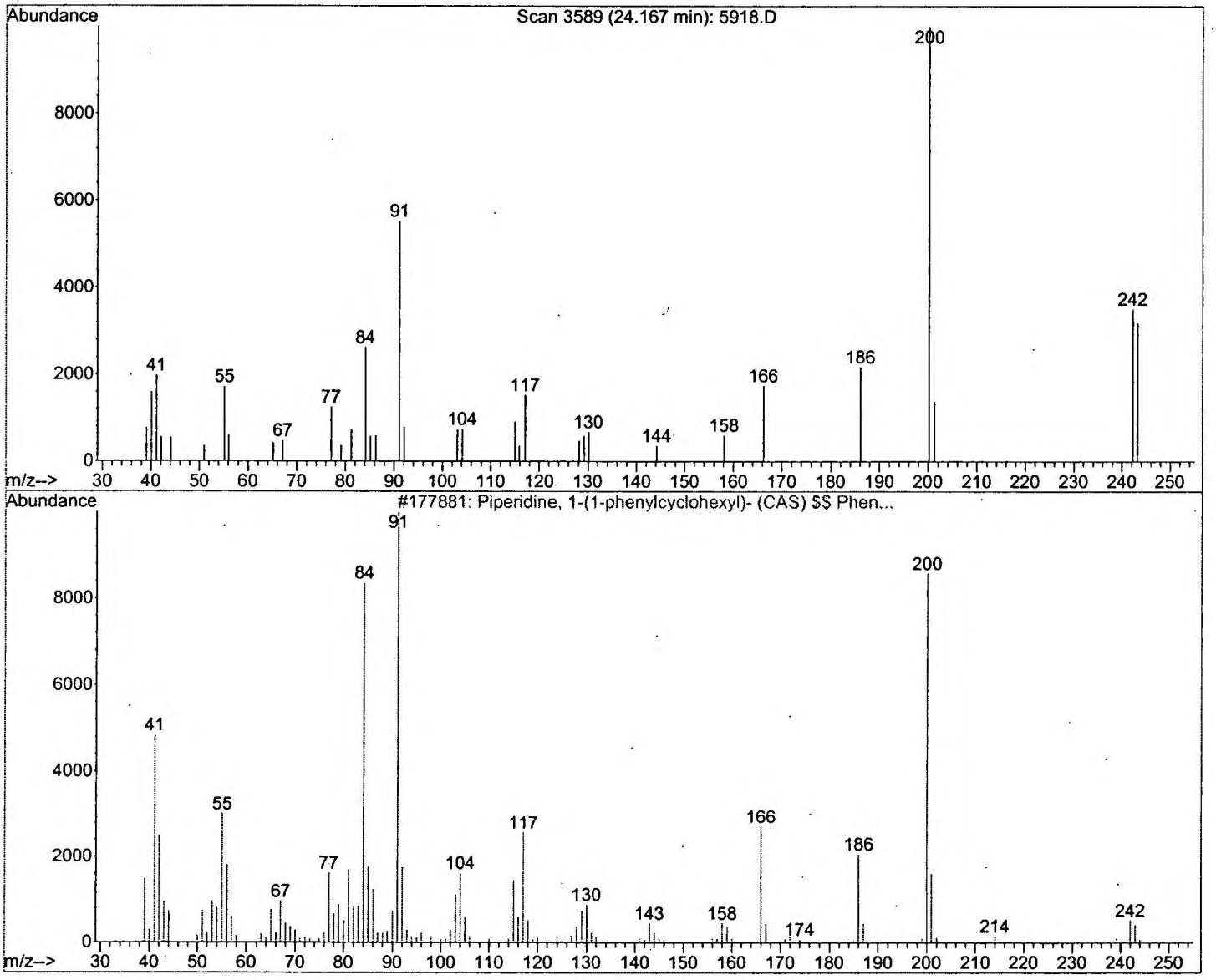


Library Searched : C:\database\wiley7n.l
Quality : 38
ID : Piperidine, 1-(1-phenylcyclohexyl)- (CAS) $$ Phencyclidine $$ SERNYLAN ,SERNYL $$ HOG $$ PCP $$ Cl-395 $$ PCP (anesthetic) $$ 1-(1-Phenylcycl ohexyl)piperidine $$ Phencyclidene $$ 1-(1'-phenylcyclohexyl)piperidin e $$ Phencylidine $$ Sernyl $$ Elysion $$ Ser



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\032202\5918.D Vial: 12
Acq On : 23 Mar 2002 4:21 am Operator: McLean
Sample : SAMPLE 5918 3/14/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

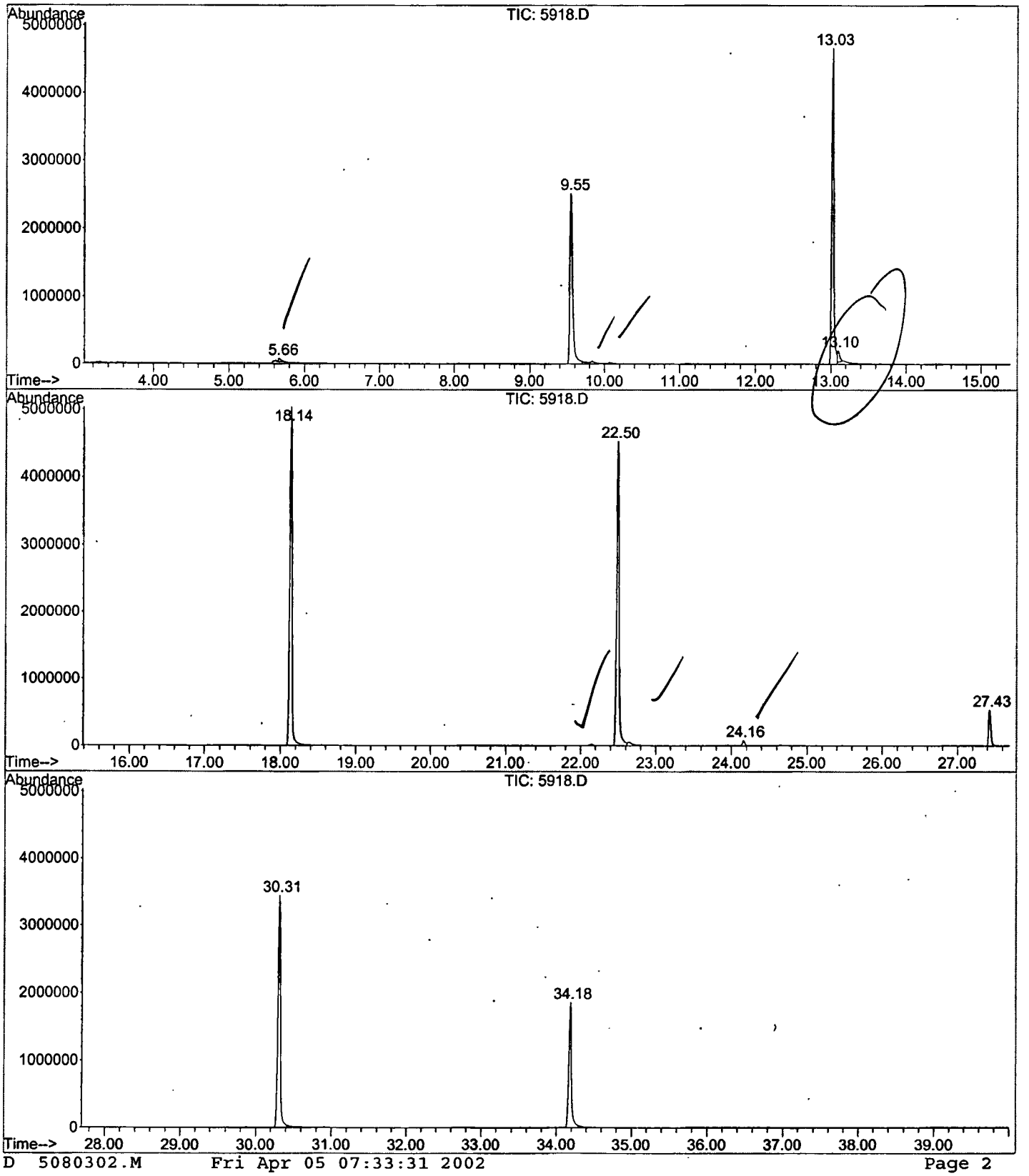
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.664	437	440	453	rBV	49568	129415	1.25%	0.256%
2	9.548	1094	1101	1127	rBV	2506499	6453963	62.58%	12.775%
3	13.026	1684	1693	1703	rBV	4654673	9275285	89.94%	18.360%
4	13.097	1703	1705	1716	rVB4	157539	348516	3.38%	0.690%
5	18.138	2553	2563	2586	rBV	5023741	10312754	100.00%	20.413%
6	22.498	3295	3305	3325	rBV2	4520913	10191554	98.82%	20.173%
7	24.161	3583	3588	3596	rBV3	77320	152496	1.48%	0.302%
8	27.433	4137	4145	4157	rBV2	532237	1098568	10.65%	2.175%
9	30.312	4623	4635	4653	rBV2	3441158	7980160	77.38%	15.796%
10	34.184	5283	5294	5313	rBV2	1855531	4577491	44.39%	9.061%

Sum of corrected areas: 50520202

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\032202\5918.D
Operator : McLean
Acquired : 23 Mar 2002 4:21 am using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: SAMPLE 5918 3/14/02
Misc Info :
Vial Number: 12
Quant File :5080302.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\032202\5918.D Vial: 12
Acq On : 23 Mar 2002 4:21 am Operator: McLean
Sample : SAMPLE 5918 3/14/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

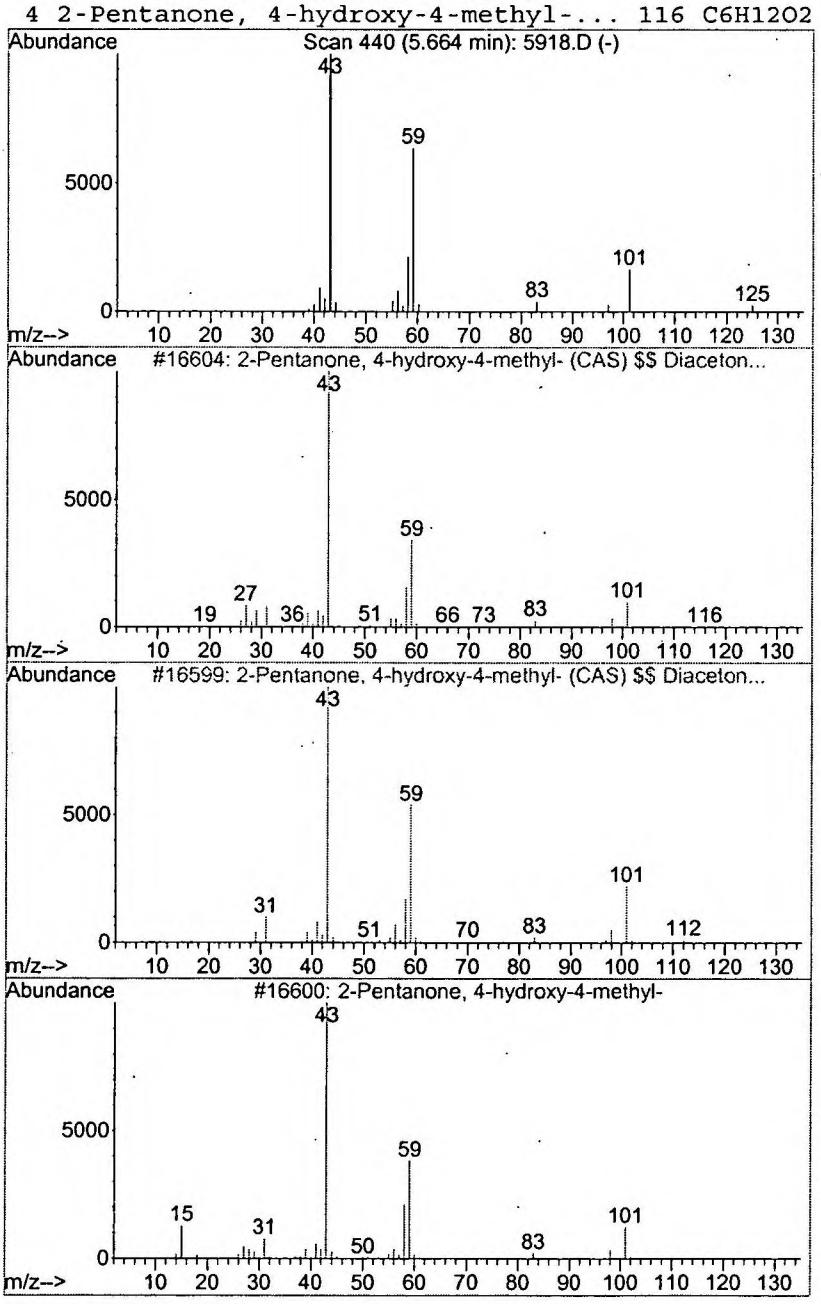
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

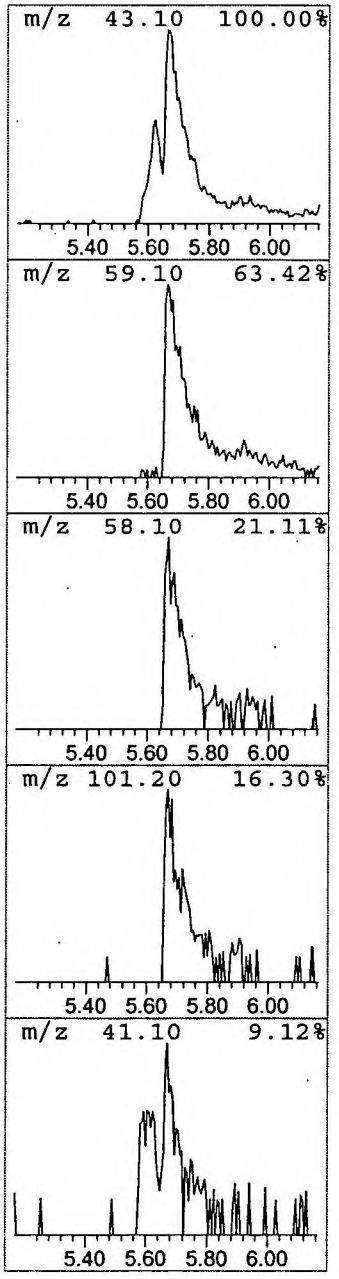
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.66	0.40 ug/L	129415	1,4-Dichlorobenzene-d4	9.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-...	116	C6H12O2	000123-42-2	83
2	2-Pentanone, 4-hydroxy-4-methyl-...	116	C6H12O2	000123-42-2	83
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	78
4	2-Pentanone, 4-hydroxy-4-methyl-...	116	C6H12O2	000123-42-2	74





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\032202\5918.D Vial: 12
Acq On : 23 Mar 2002 4:21 am Operator: McLean
Sample : SAMPLE 5918 3/14/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

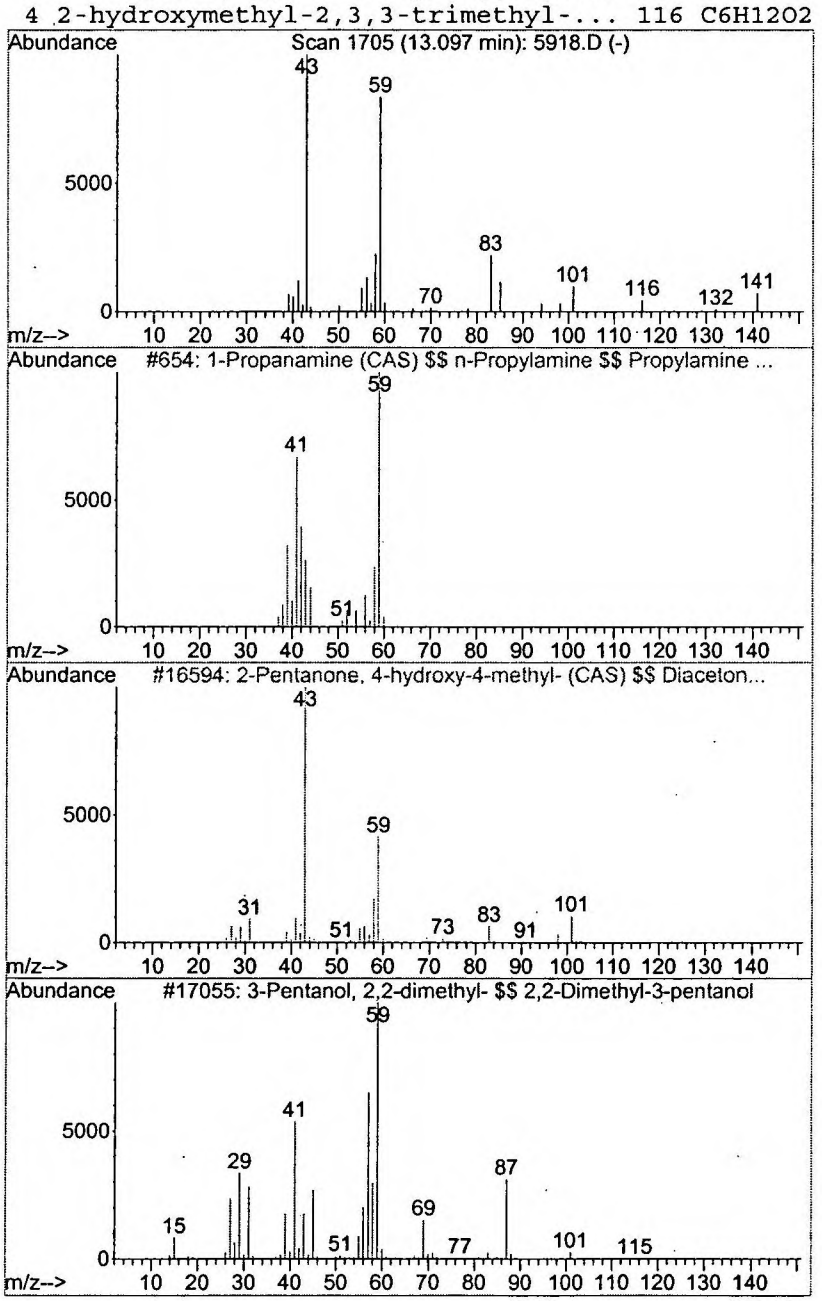
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

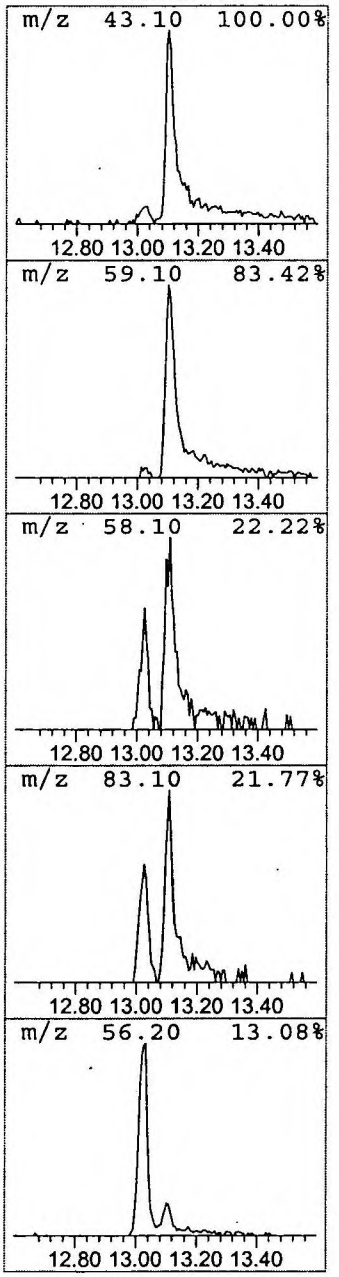
****

Peak Number 2 1-Propanamine (CAS) $$ n-Pr... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	0.75 ug/L	348516	Naphthalene-d8	13.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propanamine (CAS) $$ n-Propyla...	59	C3H9N	000107-10-8	50
2	2-Pentanone, 4-hydroxy-4-methyl-...	116	C6H12O2	000123-42-2	43
3	3-Pentanol, 2,2-dimethyl- $$ 2,2...	116	C7H16O	003970-62-5	38
4	2-hydroxymethyl-2,3,3-trimethyl-...	116	C6H12O2	110933-26-1	36





Tentatively Identified Compound (LSC) summary

Operator ID: McLean Date Acquired: 23 Mar 2002 4:21 am
Data File: C:\MSDCHEM\1\DATA\032202\5918.D
Name: SAMPLE 5918 3/14/02
Misc:
Method: C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title: Quantitation For Method 508gcscan
Library Searched: C:\DATABASE\WILEY7N.L

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
2-Pentanone, 4-hy...	5.66	0.4	ug/L	129415	1	9.55	6453960	20.0
1-Propanamine (CA...	13.10	0.8	ug/L	348516	2	13.03	9275290	20.0