Comments for Sample AD28595 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-07-2001 Time: 14:26:23

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.
The recovery for the Surrogate Standard in this sample was 74%. Recoveries for 16 of the 44 compounds in the LCS Standard were outside of their acceptance ranges.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV2901\28595.D Vial: 37
Acq On : 29 Nov 2001 10:23 pm Operator: 209 GALOS
Sample : 11/23 scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 30 15:08 2001 Quant Results File: GCMS1126.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Nov 28 15:06:24 2001
Response via : Initial Calibration
DataAcq Meth : GCMS1126

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.70	152	873565	20.00	ug/l	0.00
15) Naphthalene-d8	15.30	136	3290637	20.00	ug/l	0.00
26) Acenaphthene-d10	20.58	164	1548901	20.00	ug/l	0.00
42) Phenanthrene-d10	24.99	188	2057633	20.00	ug/l	0.00
53) Chrysene-d12	33.02	240	979814	20.00	ug/l	0.00
59) Perylene-d12	37.11	264	594423	20.00	ug/l	0.00
System Monitoring Compounds						
52) 2,4-DDD	30.07	235	90566	3.70	ug/mL	0.00
Spiked Amount 5.000			Recovery = 74.00%			
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) N-nitroso-dimethyl amine	5.18	74	1077	N.D.		
4) Phenol	0.00	94	0	N.D.		
5) bis(2-Chloroethyl)ether	0.00	93	0	N.D.		
6) 2-Chlorophenol	0.00	128	0	N.D.		
7) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
8) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
9) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
10) 2-Methylphenol	0.00	108	0	N.D.		
11) 2,2'-oxybis(1-Chloropropan	0.00	45	0	N.D.		
12) 3&4-Methylphenol	0.00	108	0	N.D.		
13) N-Nitroso-di-n-propylamine	0.00	70	0	N.D.		
14) Hexachloroethane	0.00	117	0	N.D.		
16) Nitrobenzene	0.00	77	0	N.D.		
17) Isophorone	0.00	82	0	N.D.		
18) 2-Nitrophenol	0.00	139	0	N.D.		
19) 2,4-Dimethylphenol	0.00	107	0	N.D.		
20) bis(2-Chloroethoxy)methane	0.00	93	0	N.D.		
21) 2,4-Dichlorophenol	0.00	162	0	N.D.		
22) 1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
23) Naphthalene	15.35	128	679	N.D.		
24) Hexachlorobutadiene	0.00	225	0	N.D.		
25) 4-Chloro-3-methylphenol	0.00	107	0	N.D.		
27) Hexachlorocyclopentadiene	0.00	237	0	N.D.		
28) 2,4,6-Trichlorophenol	0.00	196	0	N.D.		
29) 2,4,5-Trichlorophenol	0.00	196	0	N.D.		
30) 2-Chloronaphthalene	0.00	162	0	N.D.		
31) Dimethylphthalate	0.00	163	0	N.D.		
32) 2,6-Dinitrotoluene	0.00	165	0	N.D.	d	

(#) = qualifier out of range (m) = manual integration

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Misc : Multiplr: 1.00
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Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Nov 28 15:06:24 2001
Response via : Initial Calibration
DataAcq Meth : GCMS1126

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
33)	Acenaphthylene	0.00	152	0	N.D.	
34)	Acenaphthene	0.00	153	0	N.D.	
35)	2,4-Dinitrophenol	0.00	184	0	N.D.	
36)	4-Nitrophenol	0.00	65	0	N.D.	
37)	2,4-Dinitrotoluene	20.93	165	289	N.D.	
38)	Diethylphthalate	22.09	149	543	N.D.	
39)	4-Chlorophenyl-phenylether	0.00	204	0	N.D.	
40)	Fluorene	0.00	166	0	N.D.	
41)	Azobenzen/ 1,2-Diphenylhyd	0.00	77	0	N.D.	
43)	4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	
44)	N-Nitrosodiphenylamine	0.00	168	0	N.D.	
45)	4-Bromophenyl-phenylether	0.00	248	0	N.D.	
46)	Hexachlorobenzene	0.00	284	0	N.D.	
47)	Pentachlorophenol	0.00	266	0	N.D.	
48)	Phenanthrene	24.99	178	637	N.D.	
49)	Anthracene	24.99	178	637	N.D.	
50)	Di-n-butylphthalate	27.00	149	6628	N.D.	
51)	Fluoranthene	0.00	202	0	N.D.	
54)	Pyrene	0.00	202	0	N.D.	
55)	Butylbenzylphthalate	0.00	149	0	N.D.	
56)	Benzo(a)anthracene	33.02	228	2208	N.D.	
57)	Bis(2-ethylhexyl)phthalate	33.30	149	4362	N.D.	
58)	Chrysene	33.02	228	2208	N.D.	
60)	Di-n-Octylphthalate	0.00	149	0	N.D.	
61)	Benzo(b)fluoranthene	0.00	252	0	N.D.	
62)	Benzo(k)fluoranthene	0.00	252	0	N.D.	
63)	Benzo(a)pyrene	37.11	252	2334	N.D.	
64)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
65)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	
66)	Benzo(g,h,i)perylene	0.00	276	0	N.D.	

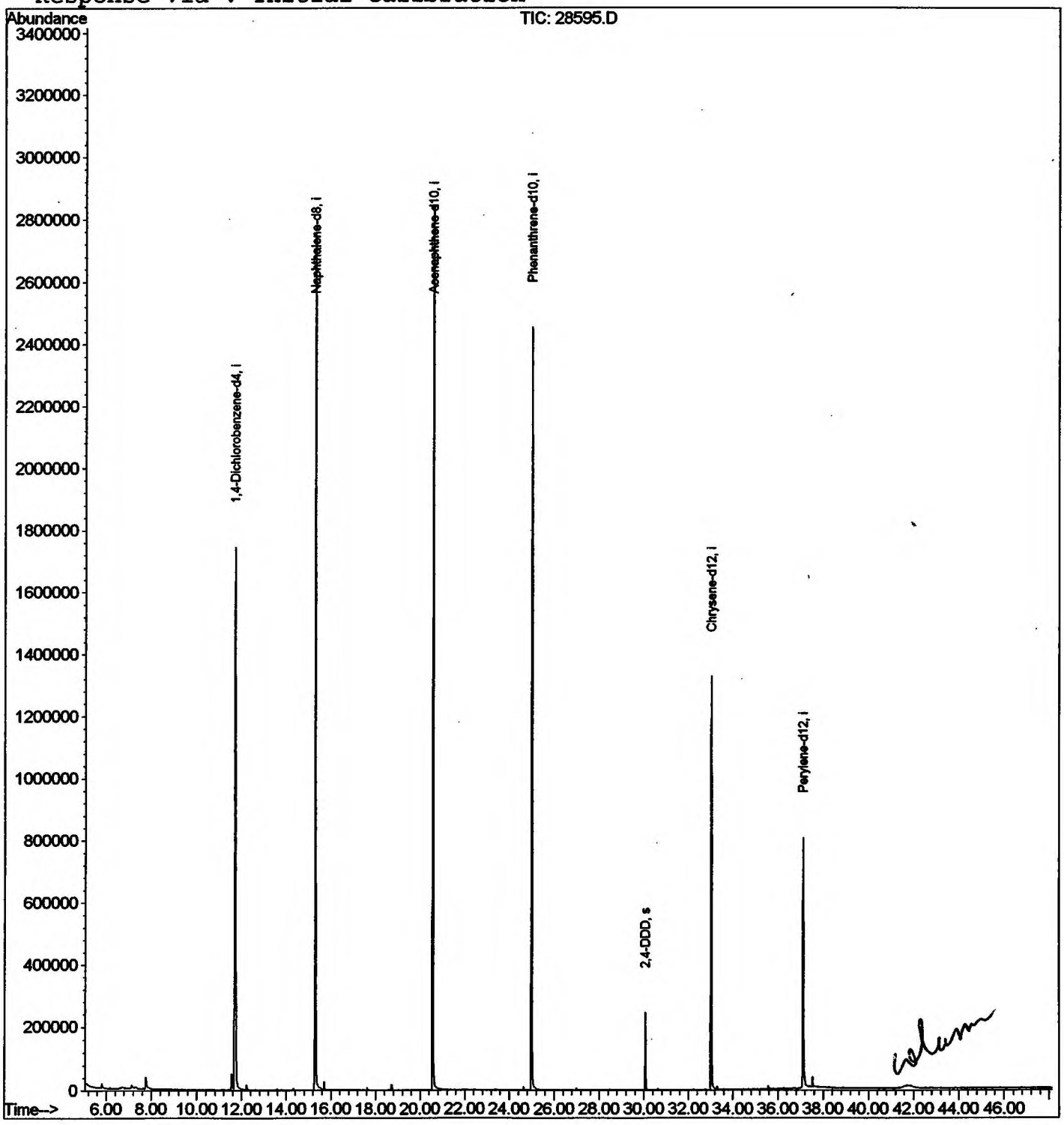
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\NOV2901\28595.D
Acq On : 29 Nov 2001 10:23 pm
Sample : 11/23 scan
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 30 15:08 2001

Vial: 37
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00
Quant Results File: GCMS1126.RES

Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Nov 28 15:06:24 2001
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\NOV2901\28595.D Vial: 37
Acq On : 29 Nov 2001 10:23 pm Operator: 209 GALOS
Sample : 11/23 scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
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

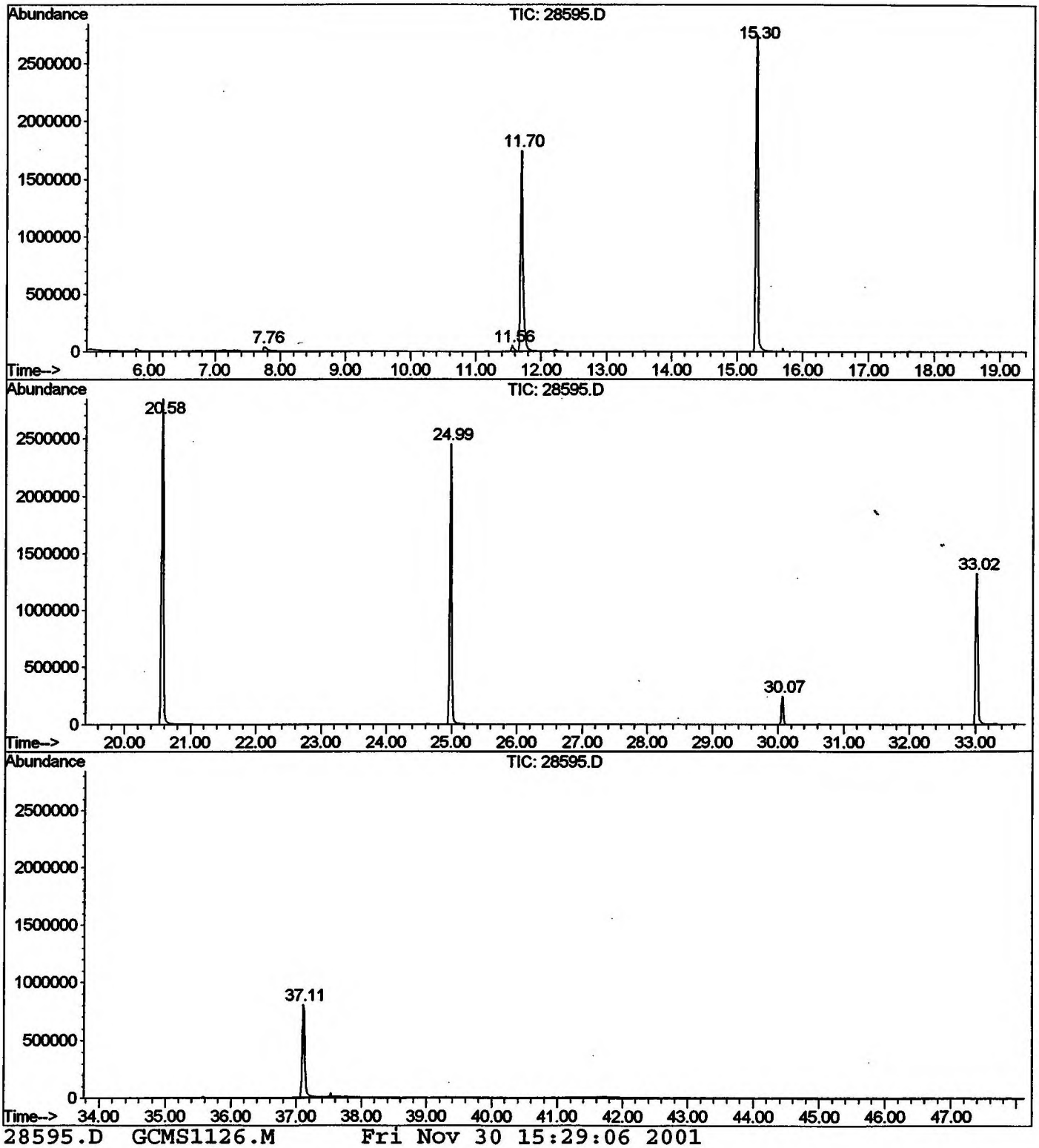
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	7.760	292	296	311	rBV2	38302	150853	2.44%	0.537%
2	11.561	706	710	720	rBV	48278	116635	1.89%	0.416%
3	11.698	720	725	751	rVB	1739874	4592203	74.40%	16.360%
4	15.297	1112	1117	1136	rBV	2748593	6057291	98.14%	21.580%
5	20.576	1685	1692	1710	rBV	2845159	6172370	100.00%	21.990%
6	24.991	2167	2173	2186	rBV2	2453407	5225758	84.66%	18.618%
7	30.068	2720	2726	2733	rVB	244829	482134	7.81%	1.718%
8	33.024	3041	3048	3064	rBV2	1326168	3094913	50.14%	11.026%
9	37.109	3486	3493	3511	rBV	799130	2176897	35.27%	7.756%

Sum of corrected areas: 28069054

28595.D GCMS1126.M Fri Nov 30 15:29:04 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\NOV2901\28595.D
Operator : 209 GALOS
Acquired : 29 Nov 2001 10:23 pm using AcqMethod GCMS1126
Instrument : GC/MS 209
Sample Name: 11/23 scan
Misc Info :
Vial Number: 37
Quant File :GCMS1126.RES (RTE Integrator)



28595.D GCMS1126.M Fri Nov 30 15:29:06 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2901\28595.D
Acq On : 29 Nov 2001 10:23 pm
Sample : 11/23 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 37
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

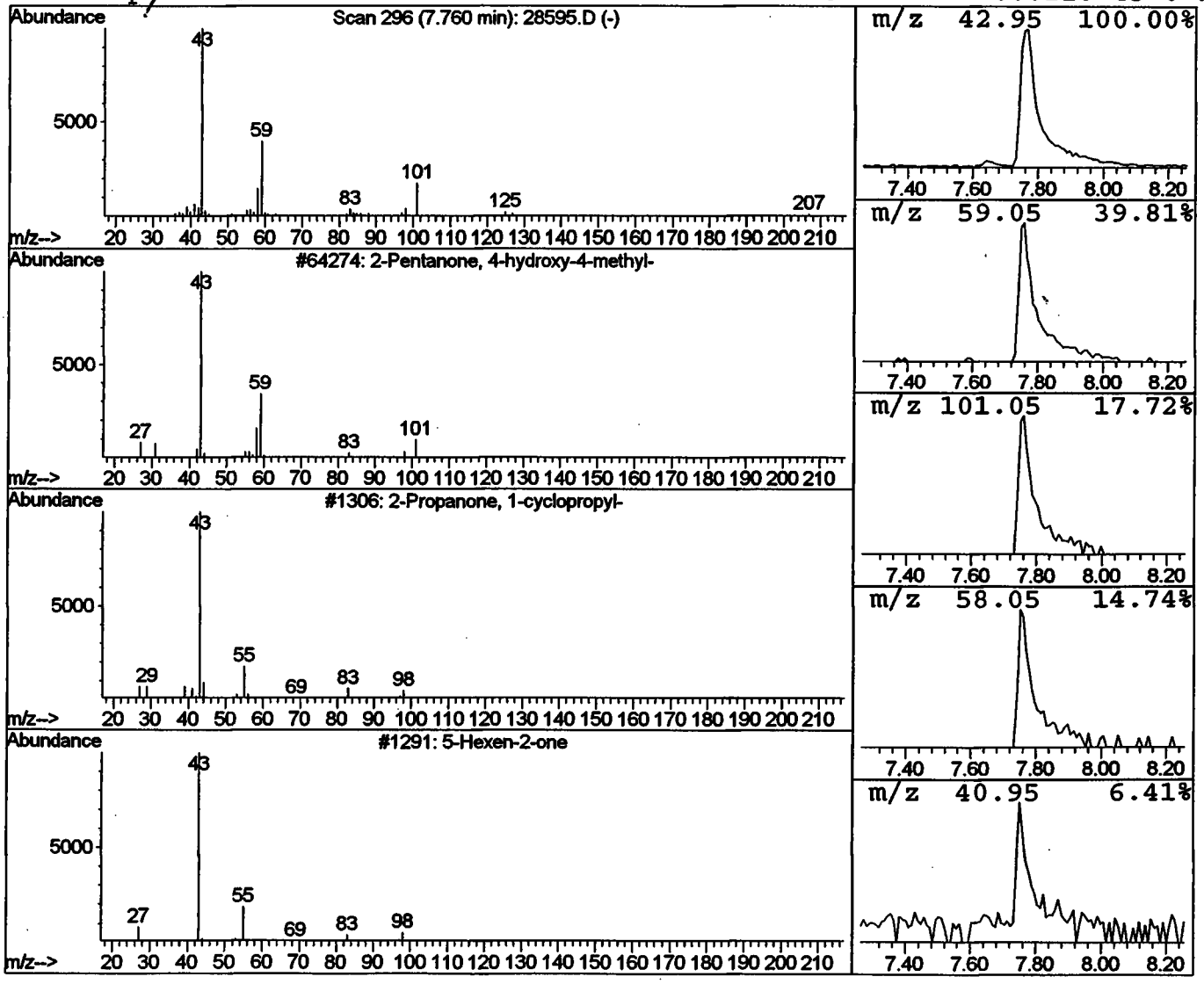
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 2-Pentanone, 4-hydroxy-4-methy Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.76	0.66 ug/l	150853	1,4-Dichlorobenzene-d4	11.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	2-Propanone, 1-cyclopropyl-	98	C6H10O	004160-75-2	9
3	5-Hexen-2-one	98	C6H10O	000109-49-9	9
4	2-Heptanone	114	C7H14O	000110-43-0	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2901\28595.D
Acq On : 29 Nov 2001 10:23 pm
Sample : 11/23 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 37
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

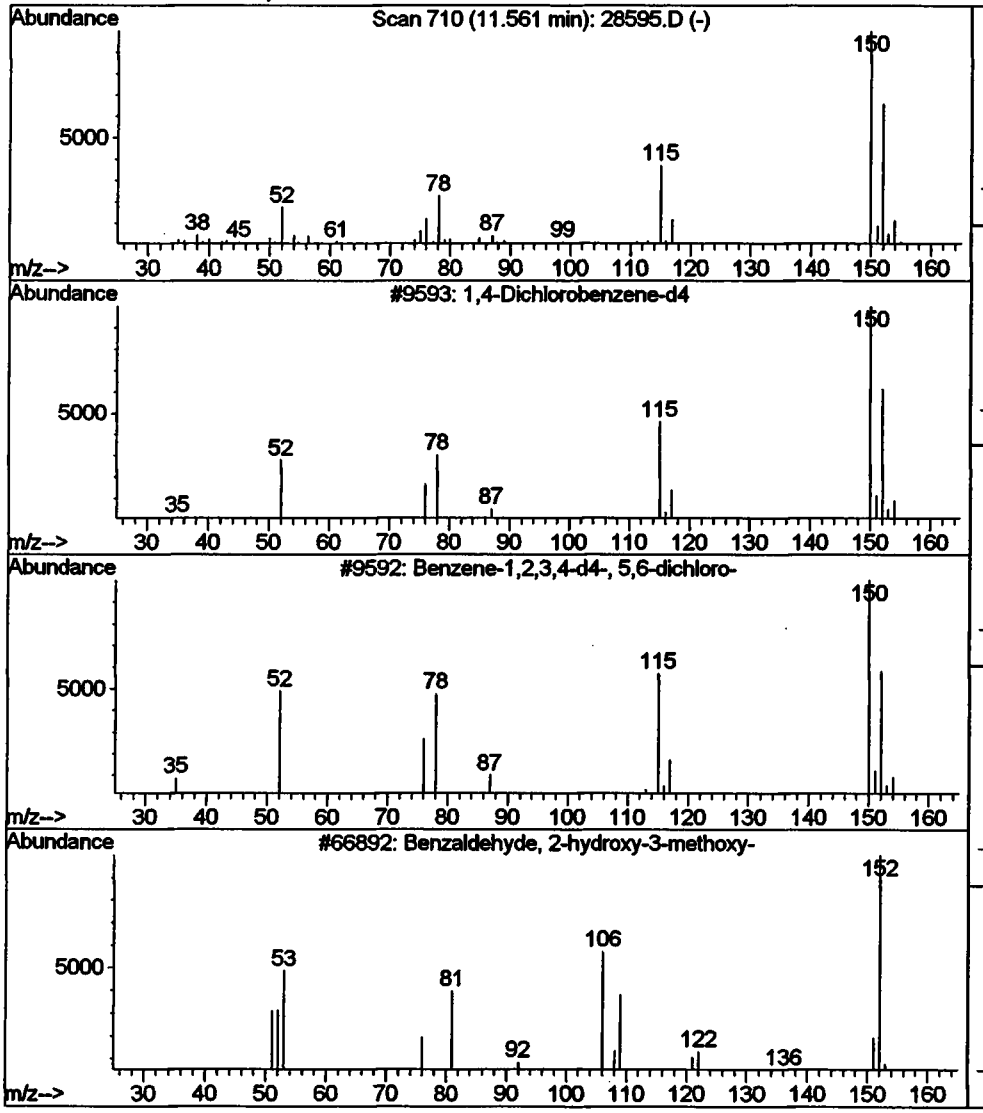
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

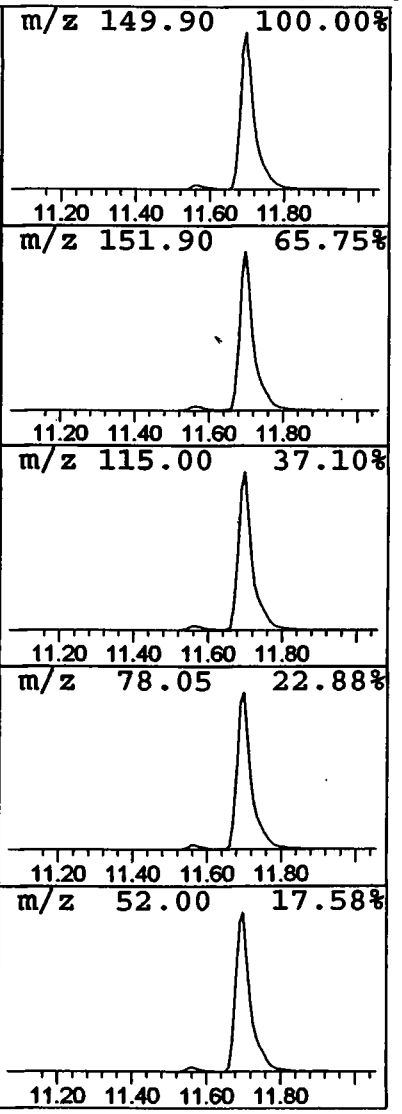
****

Peak Number 2 1,4-Dichlorobenzene-d4 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.56	0.51 ug/l	116635	1,4-Dichlorobenzene-d4	11.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dichlorobenzene-d4	150	C6Cl2D4	003855-82-1	91
2	Benzene-1,2,3,4-d4-, 5,6-dichloro-	150	C6Cl2D4	002199-69-1	33
3	Benzaldehyde, 2-hydroxy-3-methoxy-	152	C8H8O3	000148-53-8	10
4	Benzofuran, 7-chloro-	152	C8H5ClO	024410-55-7	9





Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 29 Nov 2001 10:23 pm
Data File: C:\HPCHEM\1\DATA\NOV2901\28595.D
Name: 11/23 scan
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title: 209 625/TCLP calibration table
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
2-Pentanone, 4-hydro	7.76	0.7	ug/l	150853	ISTD01	11.70	4592200	20.0
1,4-Dichlorobenzene-	11.56	0.5	ug/l	116635	ISTD01	11.70	4592200	20.0

28595.D GCMS1126.M Fri Nov 30 15:29:13 2001