

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD112625\
 Data File : PD091389.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Nov 2025 18:27
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 12/02/2025
 Supervised By :mohammad ahmed 12/03/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 02 03:39:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD111525.M
 Quant Title : GC Extractables
 QLast Update : Sat Nov 15 04:46:13 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.542	2.873	69681354	788.8E6	20.206	21.535
28)	SA Decachlor...	9.062	8.058	90931557	709.0E6	18.253	17.915
Target Compounds							
2)	A alpha-BHC	3.991	3.384	68454910	662.2E6	8.562	10.477
3)	MA gamma-BHC...	4.322	3.720	65984357	614.6E6	8.830	10.629
6)	B beta-BHC	4.510	4.017	27716982	247.0E6	9.539	10.282
14)	MA Endrin	6.564	5.777	227.9E6	2519.6E6	45.908m	55.753
16)	A 4,4'-DDD	6.696	5.917	19969076	259.9E6	4.066m	5.318 #
17)	MA 4,4'-DDT	7.013	6.170	379.7E6	3994.6E6	91.806	102.078
18)	B Endrin al...	6.908	6.245	1004790	28293117	0.241m	0.802 #
20)	A Methoxychlor	7.487	6.741	453.6E6	4090.8E6	208.632	204.013
21)	B Endrin ke...	7.624	6.978	11769683	102.5E6	2.089	2.012m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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Operator : AR\AJ
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ALS Vial : 3 Sample Multiplier: 1

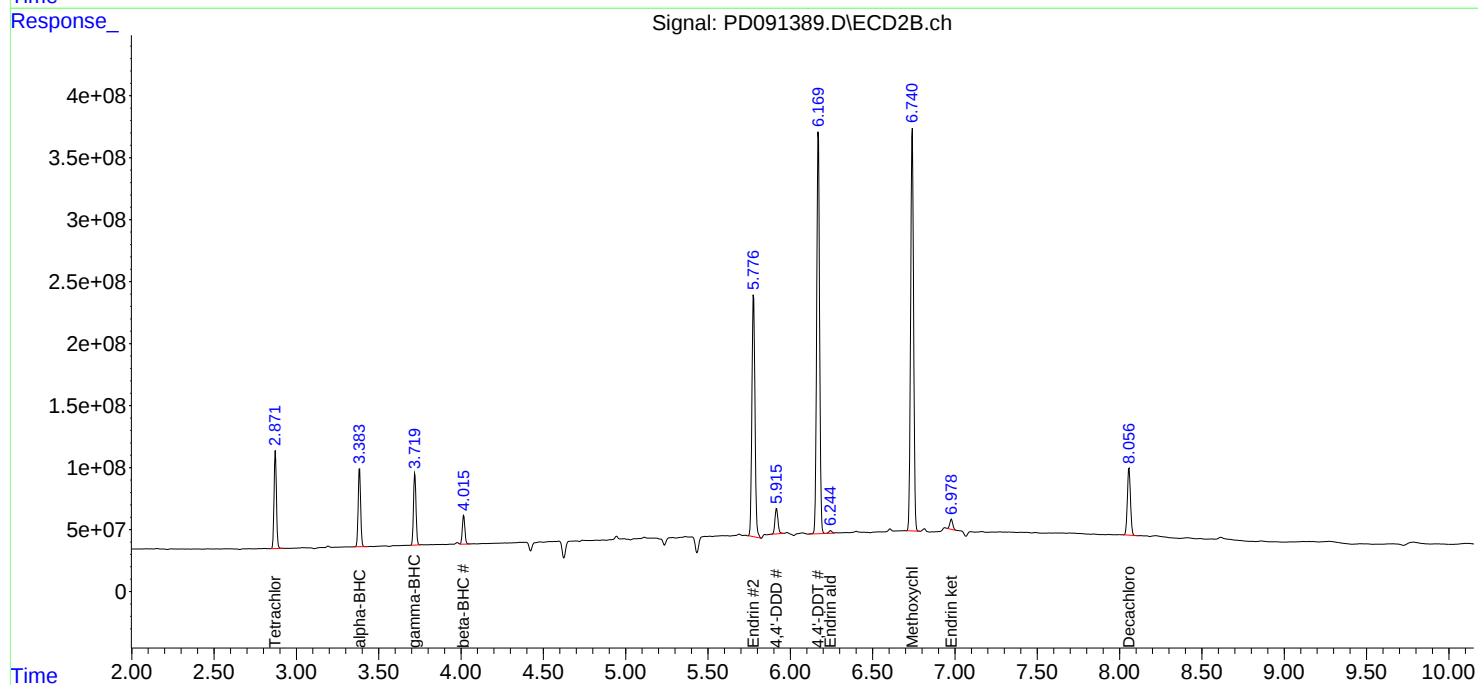
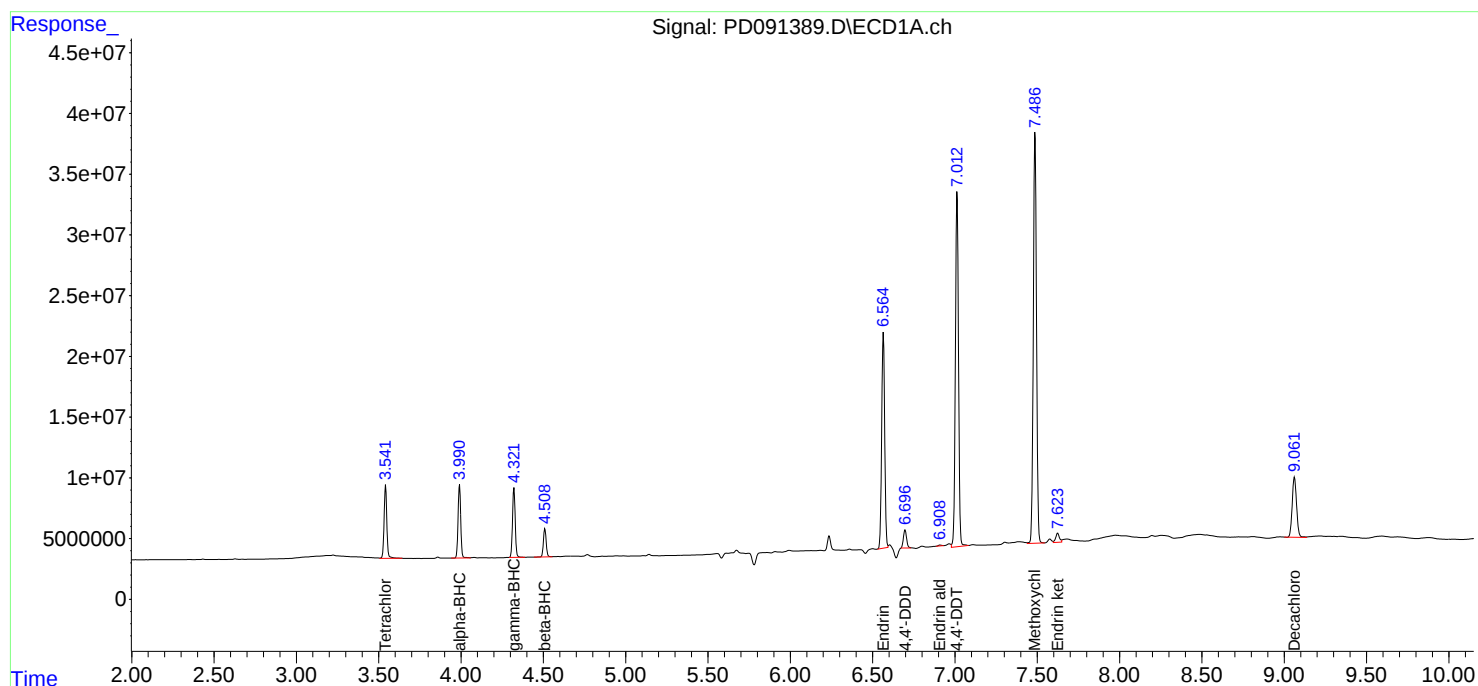
Instrument :
ECD_D
ClientSampleId :
PEM

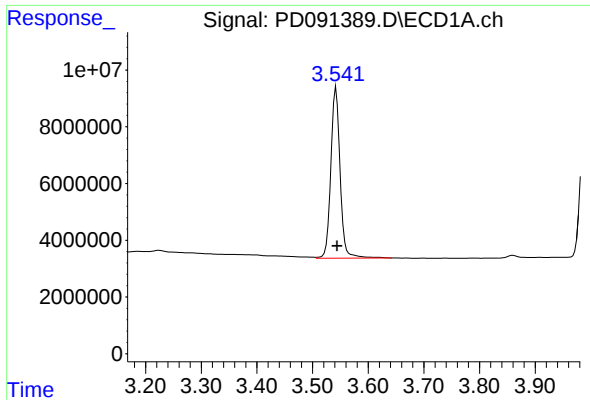
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Integration File signal 1: autoint1.e
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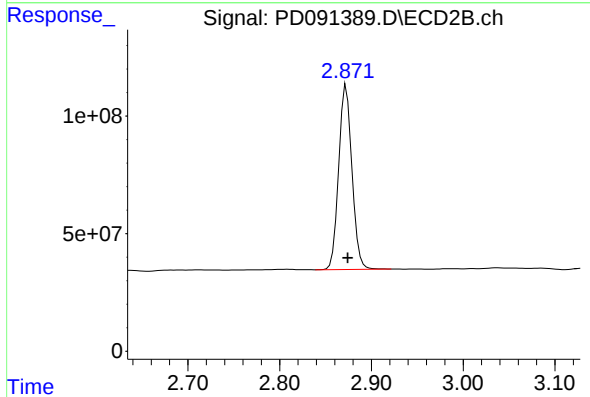
#1 Tetrachloro-m-xylene

R.T.: 3.542 min
Delta R.T.: -0.002 min
Response: 69681354
Conc: 20.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

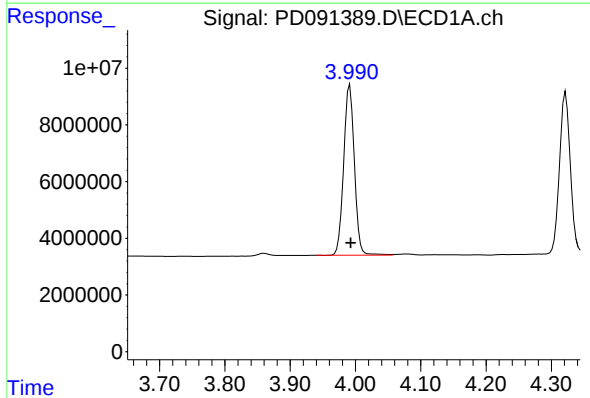
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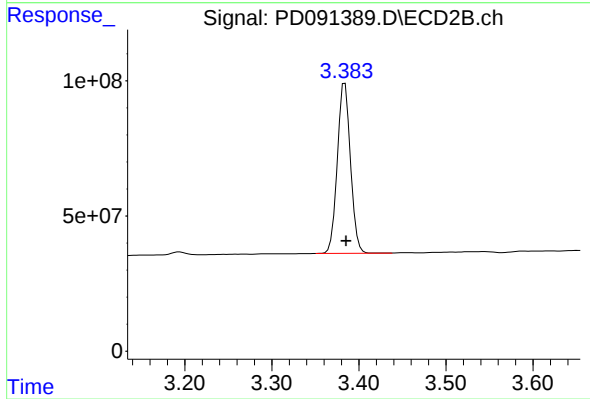
#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.002 min
Response: 788836848
Conc: 21.54 ng/ml



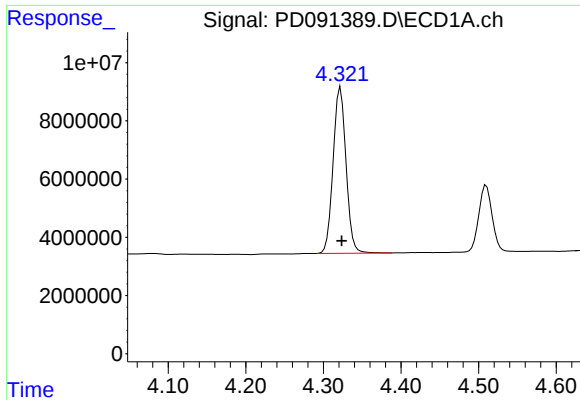
#2 alpha-BHC

R.T.: 3.991 min
Delta R.T.: -0.002 min
Response: 68454910
Conc: 8.56 ng/ml



#2 alpha-BHC

R.T.: 3.384 min
Delta R.T.: -0.001 min
Response: 662150475
Conc: 10.48 ng/ml



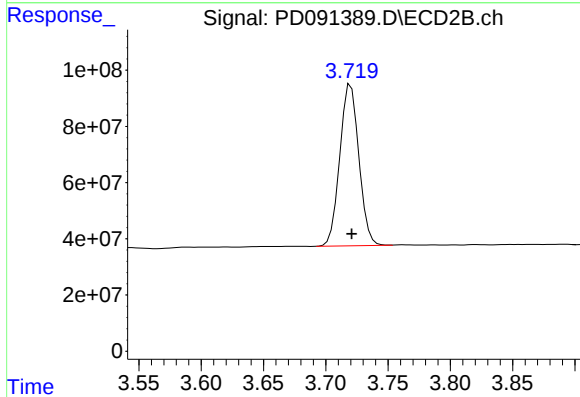
#3 gamma-BHC (Lindane)

R.T.: 4.322 min
Delta R.T.: -0.002 min
Response: 65984357
Conc: 8.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

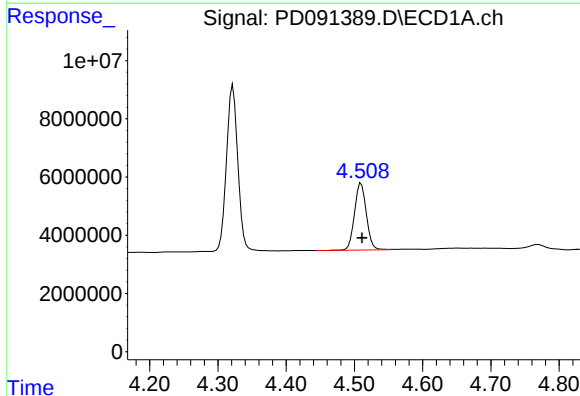
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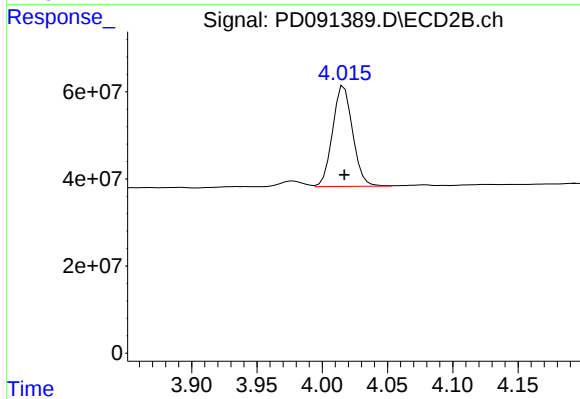
#3 gamma-BHC (Lindane)

R.T.: 3.720 min
Delta R.T.: 0.000 min
Response: 614568742
Conc: 10.63 ng/ml



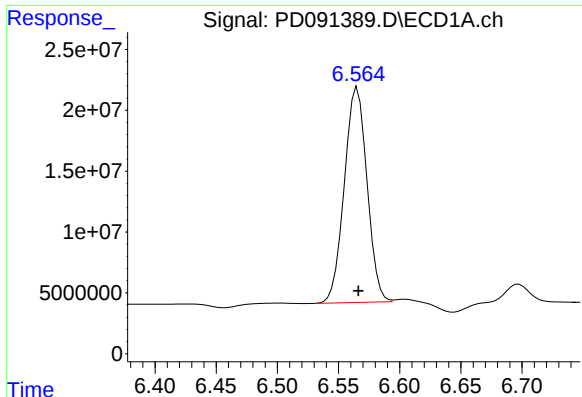
#6 beta-BHC

R.T.: 4.510 min
Delta R.T.: -0.001 min
Response: 27716982
Conc: 9.54 ng/ml



#6 beta-BHC

R.T.: 4.017 min
Delta R.T.: 0.000 min
Response: 247039504
Conc: 10.28 ng/ml



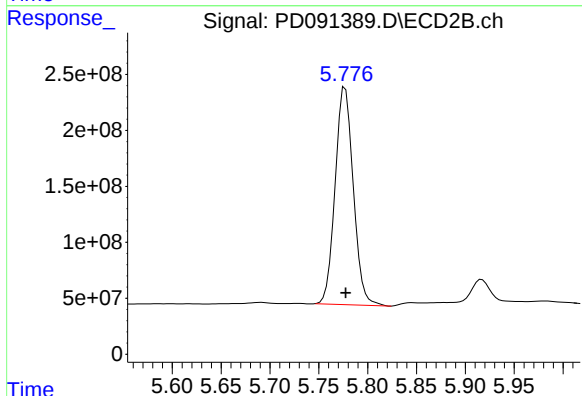
#14 Endrin

R.T.: 6.564 min
Delta R.T.: -0.002 min
Response: 227865463
Conc: 45.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

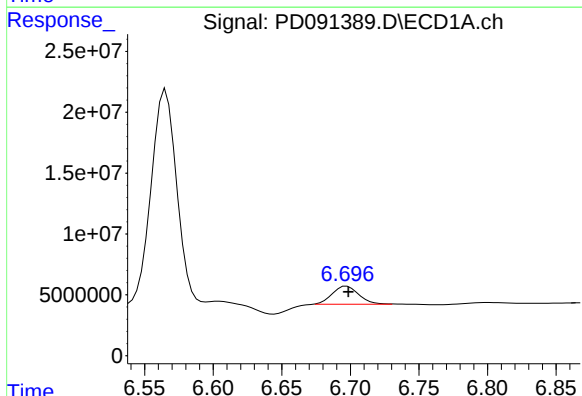
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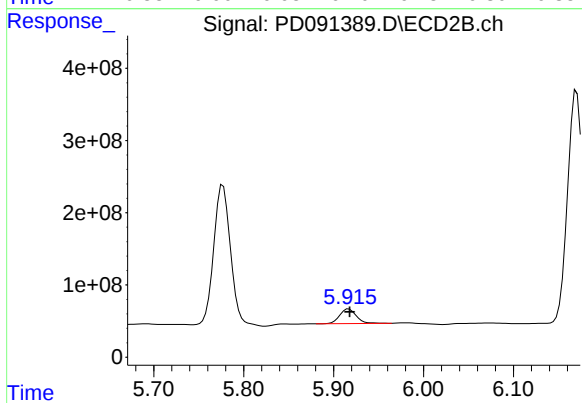
#14 Endrin

R.T.: 5.777 min
Delta R.T.: 0.000 min
Response: 2519644000
Conc: 55.75 ng/ml



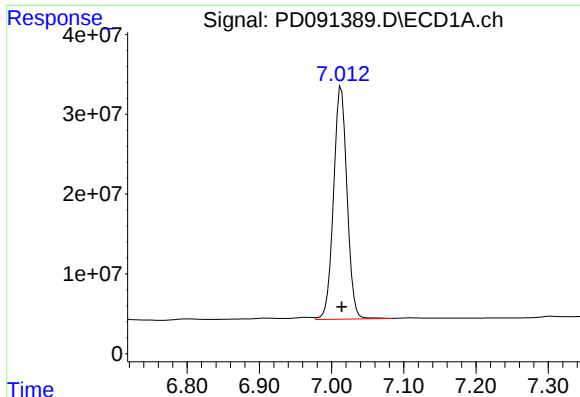
#16 4,4'-DDD

R.T.: 6.696 min
Delta R.T.: -0.003 min
Response: 19969076
Conc: 4.07 ng/ml m



#16 4,4'-DDD

R.T.: 5.917 min
Delta R.T.: 0.000 min
Response: 259865031
Conc: 5.32 ng/ml



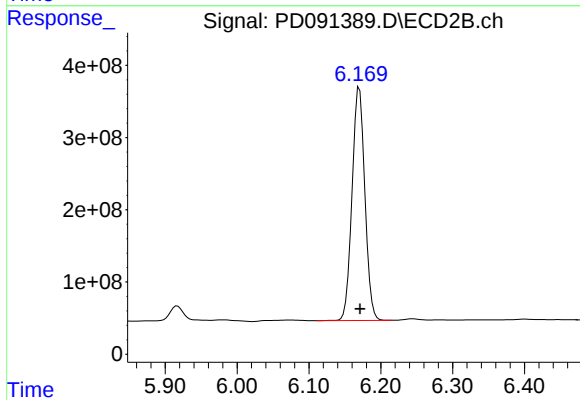
#17 4,4'-DDT

R.T.: 7.013 min
Delta R.T.: 0.000 min
Response: 379664044
Conc: 91.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

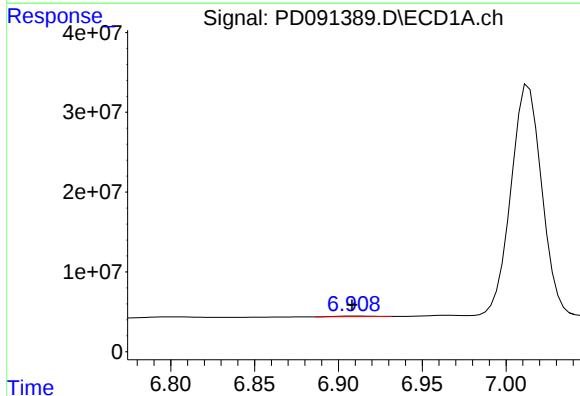
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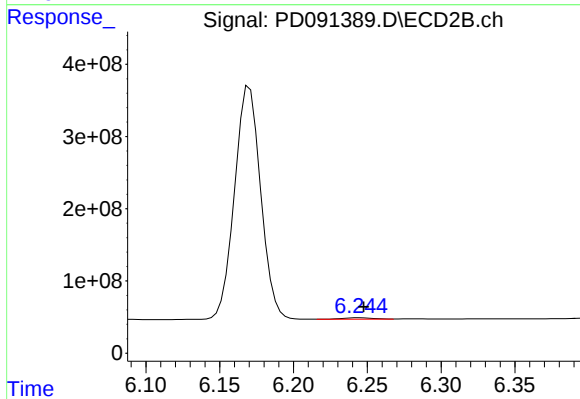
#17 4,4'-DDT

R.T.: 6.170 min
Delta R.T.: 0.000 min
Response: 3994571069
Conc: 102.08 ng/ml



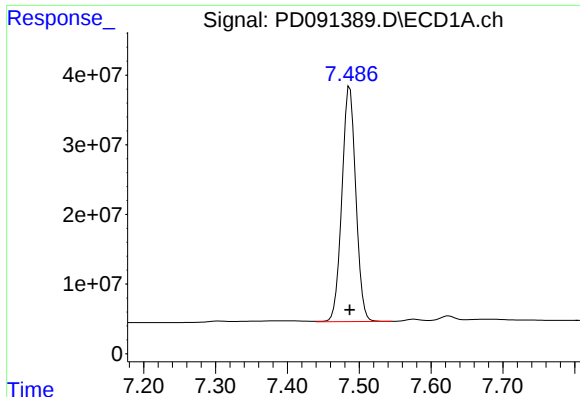
#18 Endrin aldehyde

R.T.: 6.908 min
Delta R.T.: 0.000 min
Response: 1004790
Conc: 0.24 ng/ml m



#18 Endrin aldehyde

R.T.: 6.245 min
Delta R.T.: -0.002 min
Response: 28293117
Conc: 0.80 ng/ml



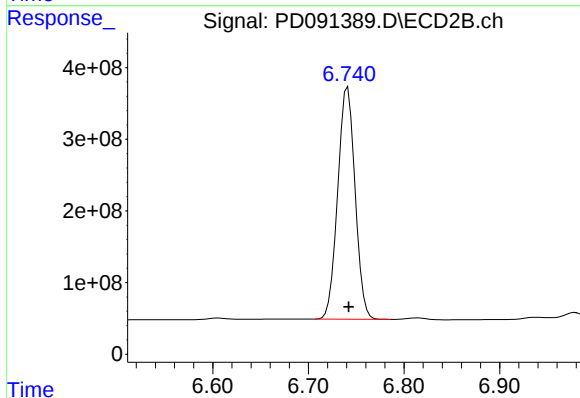
#20 Methoxychlor

R.T.: 7.487 min
Delta R.T.: 0.000 min
Response: 453635428
Conc: 208.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

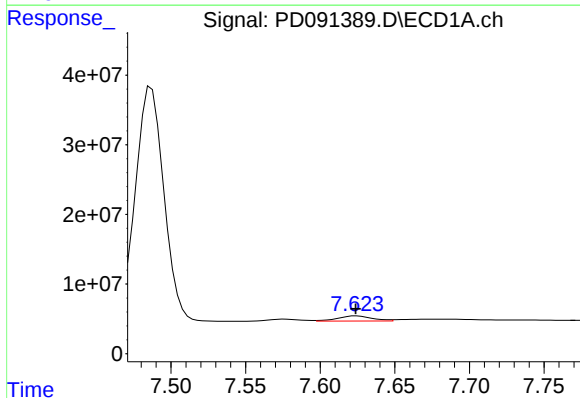
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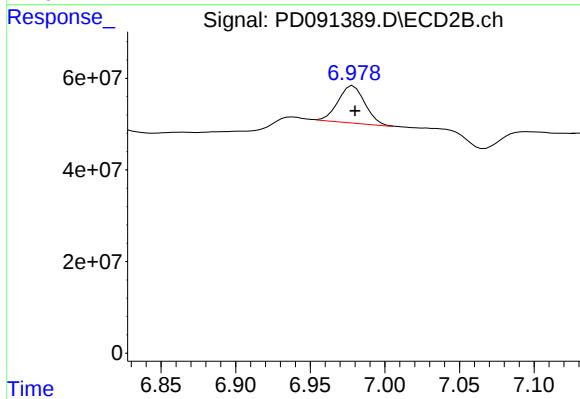
#20 Methoxychlor

R.T.: 6.741 min
Delta R.T.: -0.001 min
Response: 4090757194
Conc: 204.01 ng/ml



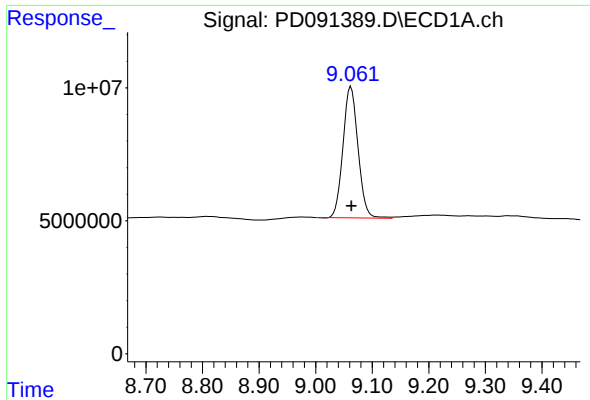
#21 Endrin ketone

R.T.: 7.624 min
Delta R.T.: 0.000 min
Response: 11769683
Conc: 2.09 ng/ml



#21 Endrin ketone

R.T.: 6.978 min
Delta R.T.: -0.003 min
Response: 102508092
Conc: 2.01 ng/ml m



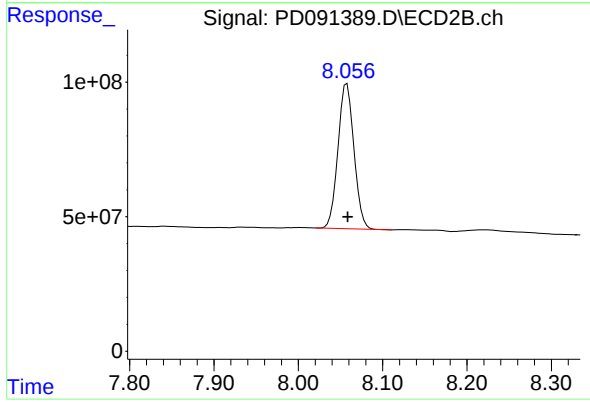
#28 Decachlorobiphenyl

R.T.: 9.062 min
Delta R.T.: -0.001 min
Response: 90931557
Conc: 18.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 8.058 min
Delta R.T.: 0.000 min
Response: 708966180
Conc: 17.91 ng/ml