

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080725\
 Data File : PD089778.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Aug 2025 18:09
 Operator : AR\AJ
 Sample : PB169093BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB169093BS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 08/07/2025
 Supervised By : mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 07 03:08:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 07:03:58 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...	3.547	2.896	46280817	359.4E6	18.763	22.691m
28)	SA Decachlor...	9.063	8.084	76595059	464.7E6	20.611	23.145
Target Compounds							
2)	A alpha-BHC	3.996	3.408f	245.6E6	1337.6E6	49.583	55.034m
3)	MA gamma-BHC...	4.326	3.745f	234.1E6	1234.6E6	49.251	54.813
4)	MA Heptachlor	4.925	4.098f	229.6E6	1243.7E6	47.726	53.587
5)	MB Aldrin	5.266	4.384f	223.1E6	1214.3E6	48.868	54.572
6)	B beta-BHC	4.512	4.040f	88893117	526.0E6	48.189	54.518m
7)	B delta-BHC	4.761	4.277f	230.8E6	1253.8E6	50.327	55.198
8)	B Heptachlo...	5.686	4.887f	202.5E6	1122.2E6	48.437	54.607
9)	A Endosulfan I	6.069	5.261f	188.1E6	1008.3E6	47.456	51.579
10)	B gamma-Chl...	5.941	5.138f	197.6E6	1192.7E6	47.294	55.082m
11)	B alpha-Chl...	6.022	5.204f	198.9E6	1139.5E6	47.321	54.725
12)	B 4,4'-DDE	6.191	5.389f	176.5E6	1163.4E6	47.315	55.043
13)	MA Dieldrin	6.341	5.525f	200.3E6	1189.4E6	47.435	54.965m
14)	MA Endrin	6.569	5.803f	164.2E6	1111.4E6	45.907	55.777
15)	B Endosulfa...	6.781	6.095f	169.7E6	1035.4E6	46.244	55.075
16)	A 4,4'-DDD	6.700	5.943f	148.6E6	1000.7E6	49.617	56.755
17)	MA 4,4'-DDT	7.015	6.197f	149.8E6	992.2E6	44.586	54.006
18)	B Endrin al...	6.910	6.273f	130.6E6	790.6E6	52.319	61.187
19)	B Endosulfa...	7.144	6.495f	158.9E6	1000.2E6	45.782	53.873m
20)	A Methoxychlor	7.488	6.767f	72757134	513.9E6	40.692	52.462 #
21)	B Endrin ke...	7.625	7.004f	172.6E6	1159.0E6	46.472	57.755
22)	Mirex	8.107	7.198f	123.4E6	814.0E6	44.252	53.477

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080725\
Data File : PD089778.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Aug 2025 18:09
Operator : AR\AJ
Sample : PB169093BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

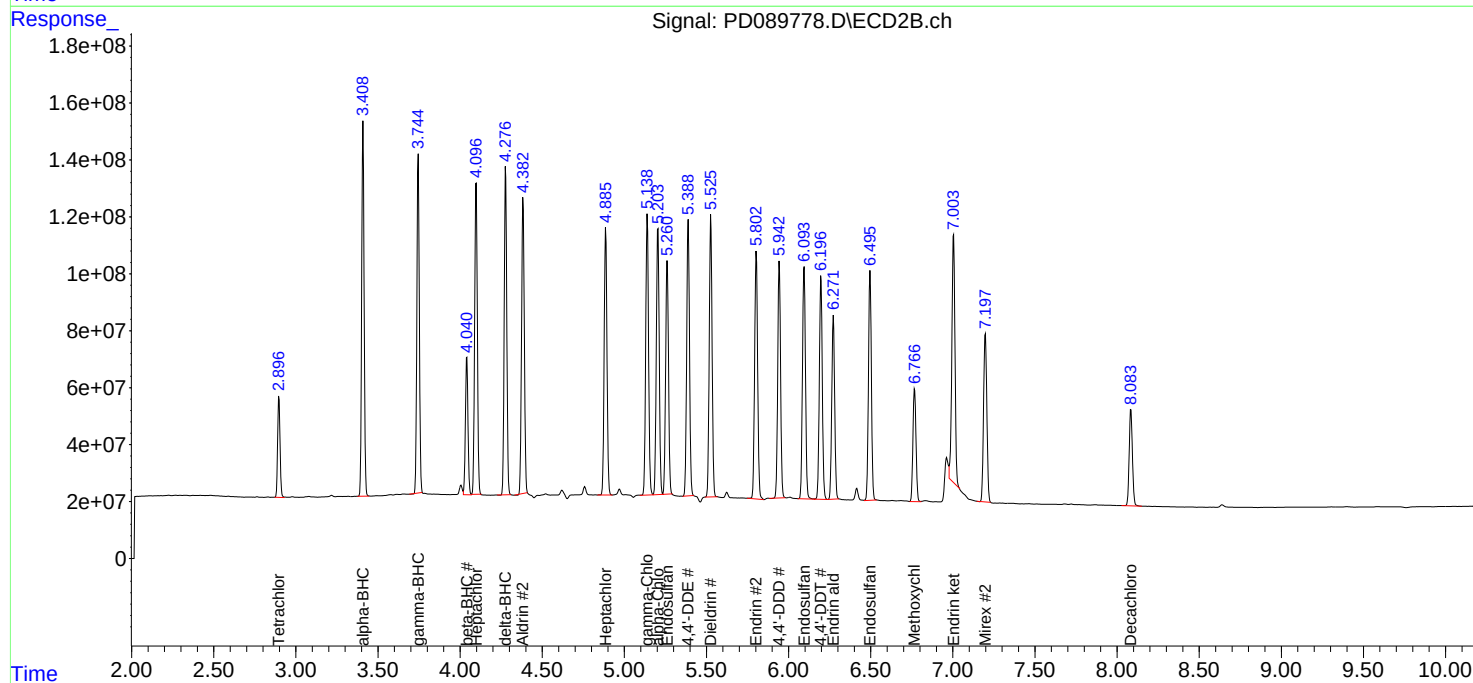
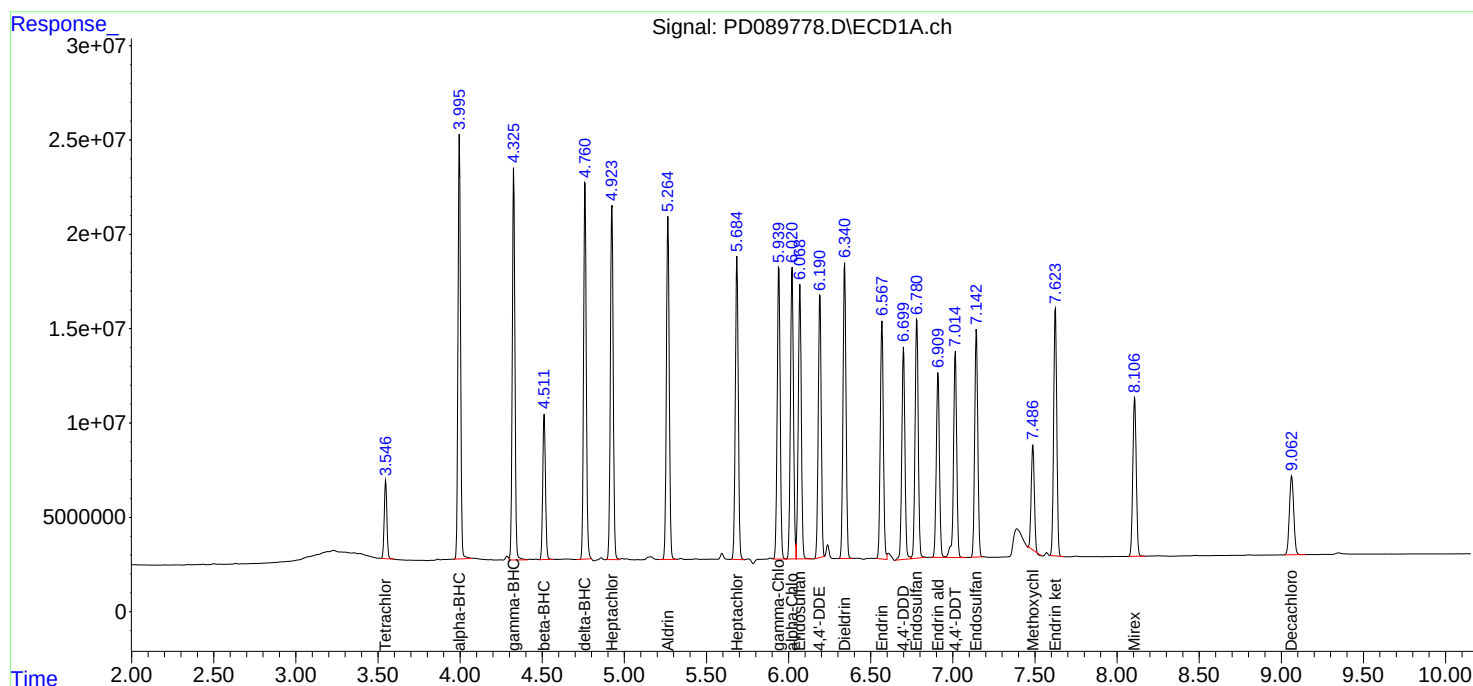
Instrument :
ECD_D
ClientSampleId :
PB169093BS

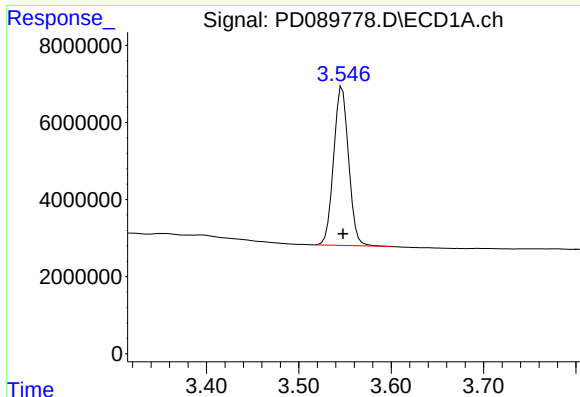
Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 03:08:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 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





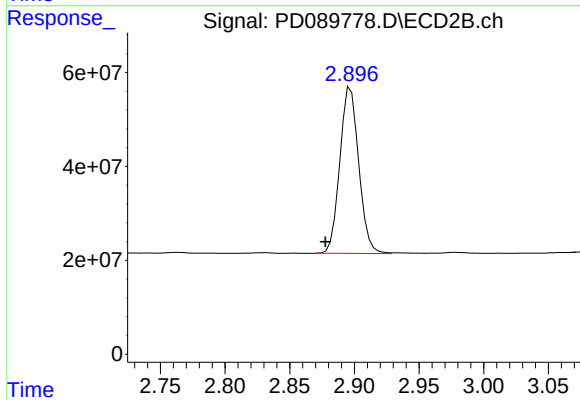
#1 Tetrachloro-m-xylene

R.T.: 3.547 min
Delta R.T.: -0.001 min
Response: 46280817
Conc: 18.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169093BS

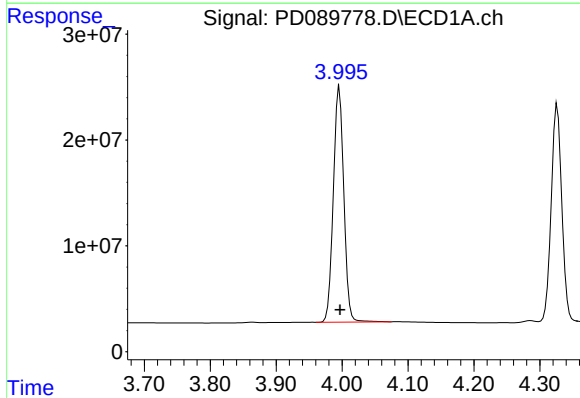
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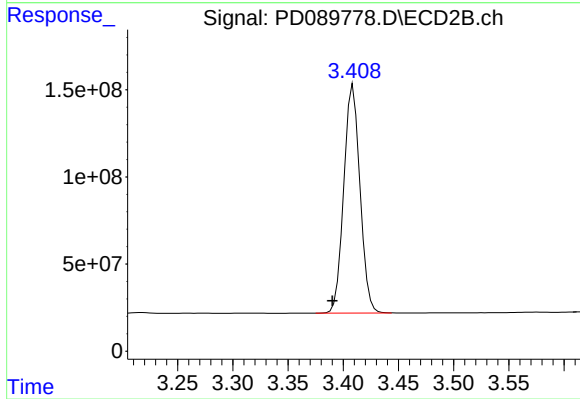
#1 Tetrachloro-m-xylene

R.T.: 2.896 min
Delta R.T.: 0.018 min
Response: 359373062
Conc: 22.69 ng/ml m



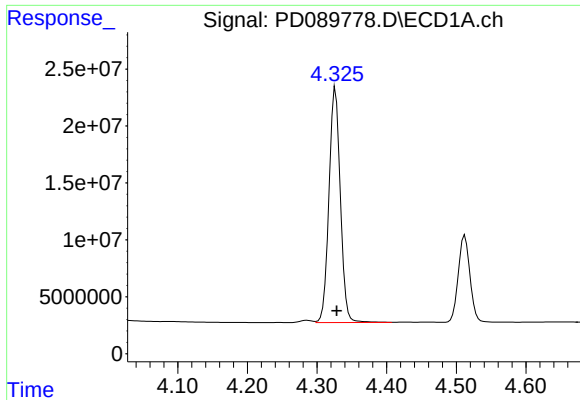
#2 alpha-BHC

R.T.: 3.996 min
Delta R.T.: -0.001 min
Response: 245611618
Conc: 49.58 ng/ml



#2 alpha-BHC

R.T.: 3.408 min
Delta R.T.: 0.018 min
Response: 1337594464
Conc: 55.03 ng/ml m



#3 gamma-BHC (Lindane)

R.T.: 4.326 min
Delta R.T.: -0.002 min
Response: 234056467
Conc: 49.25 ng/ml

Instrument :

ECD_D

ClientSampleId :

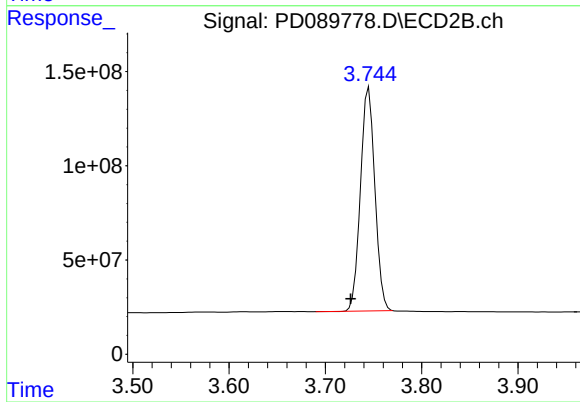
PB169093BS

Manual Integrations

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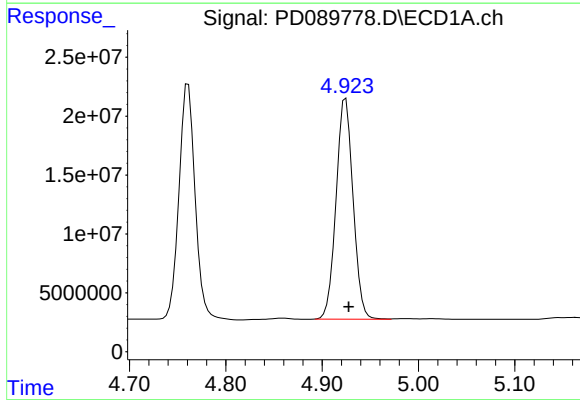
Reviewed By :Abdul Mirza 08/07/2025

Supervised By :mohammad ahmed 08/08/2025



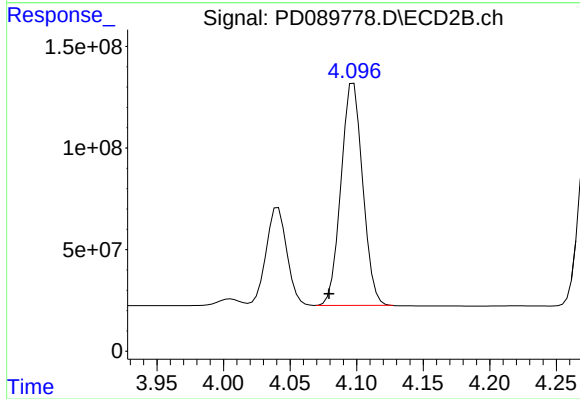
#3 gamma-BHC (Lindane)

R.T.: 3.745 min
Delta R.T.: 0.019 min
Response: 1234611256
Conc: 54.81 ng/ml



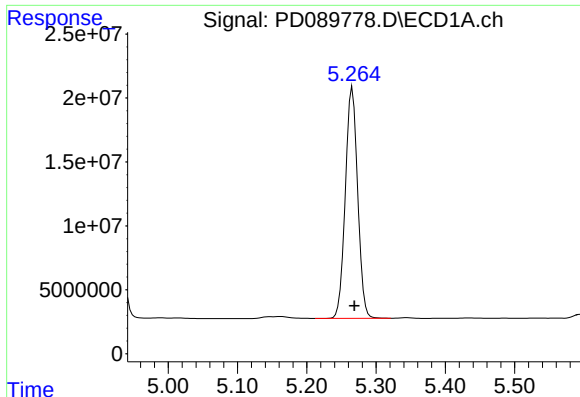
#4 Heptachlor

R.T.: 4.925 min
Delta R.T.: -0.003 min
Response: 229632947
Conc: 47.73 ng/ml



#4 Heptachlor

R.T.: 4.098 min
Delta R.T.: 0.018 min
Response: 1243708804
Conc: 53.59 ng/ml



#5 Aldrin

R.T.: 5.266 min
Delta R.T.: -0.003 min
Response: 223079696
Conc: 48.87 ng/ml

Instrument :

ECD_D

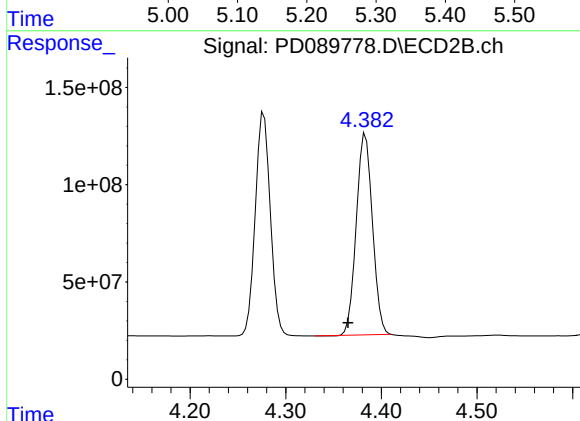
ClientSampleId :

PB169093BS

Manual Integrations

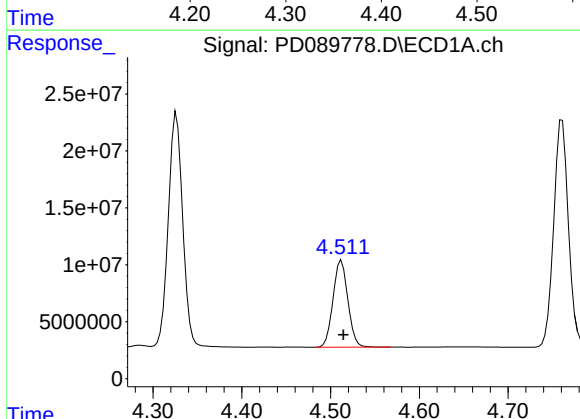
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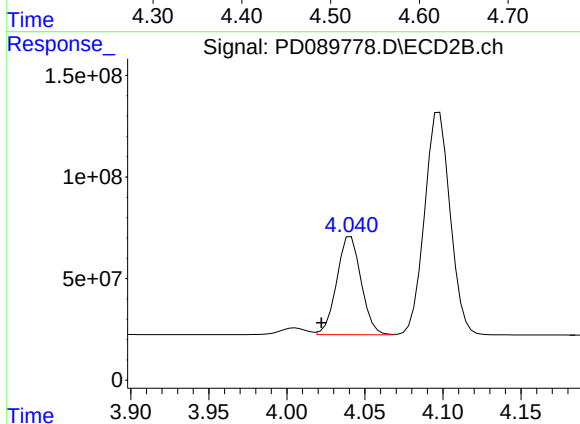
#5 Aldrin

R.T.: 4.384 min
Delta R.T.: 0.018 min
Response: 1214260055
Conc: 54.57 ng/ml



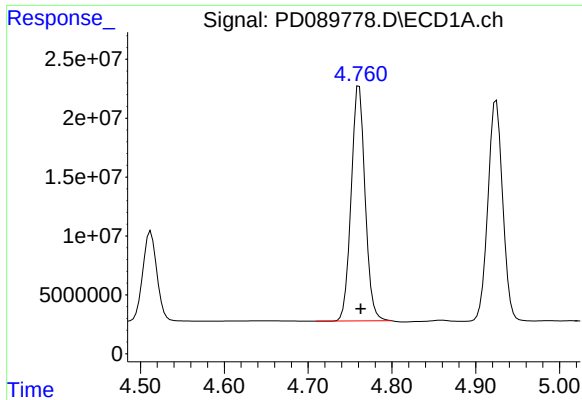
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: -0.002 min
Response: 88893117
Conc: 48.19 ng/ml



#6 beta-BHC

R.T.: 4.040 min
Delta R.T.: 0.018 min
Response: 526042482
Conc: 54.52 ng/ml m



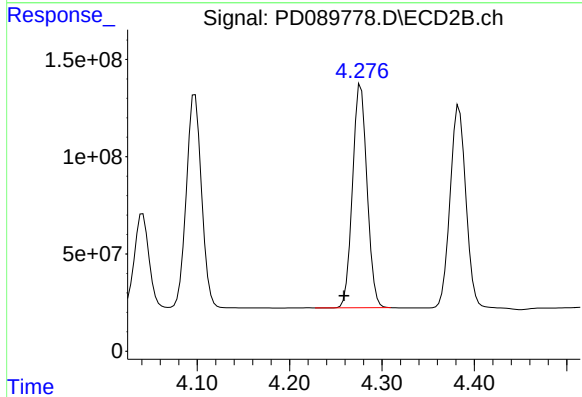
#7 delta-BHC

R.T.: 4.761 min
Delta R.T.: -0.002 min
Response: 230809114
Conc: 50.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169093BS

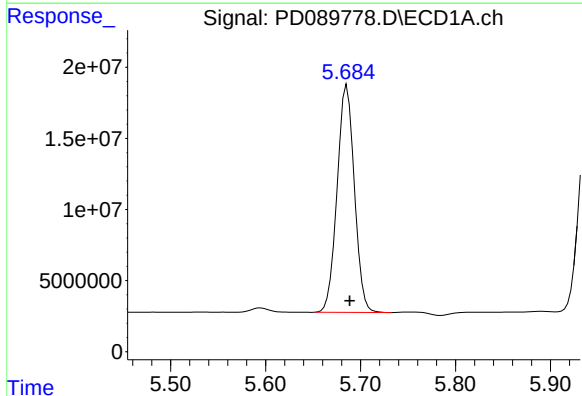
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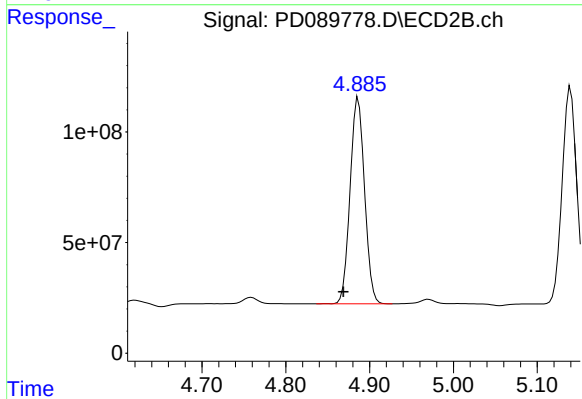
#7 delta-BHC

R.T.: 4.277 min
Delta R.T.: 0.018 min
Response: 1253833753
Conc: 55.20 ng/ml



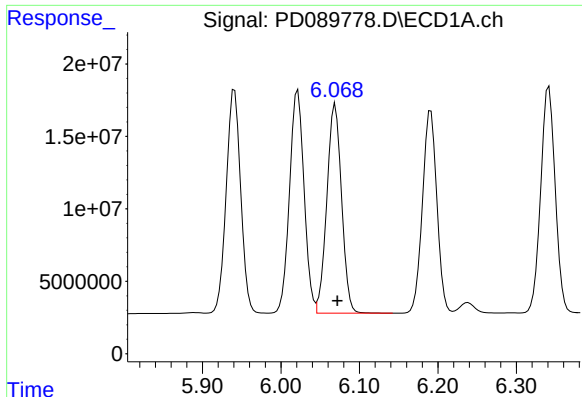
#8 Heptachlor epoxide

R.T.: 5.686 min
Delta R.T.: -0.003 min
Response: 202500433
Conc: 48.44 ng/ml



#8 Heptachlor epoxide

R.T.: 4.887 min
Delta R.T.: 0.018 min
Response: 1122161365
Conc: 54.61 ng/ml



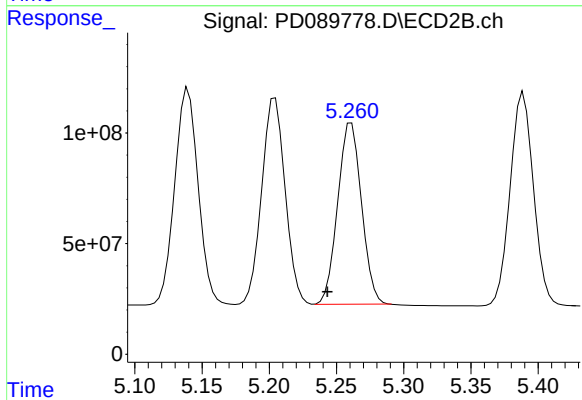
#9 Endosulfan I

R.T.: 6.069 min
Delta R.T.: -0.003 min
Response: 188095490
Conc: 47.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169093BS

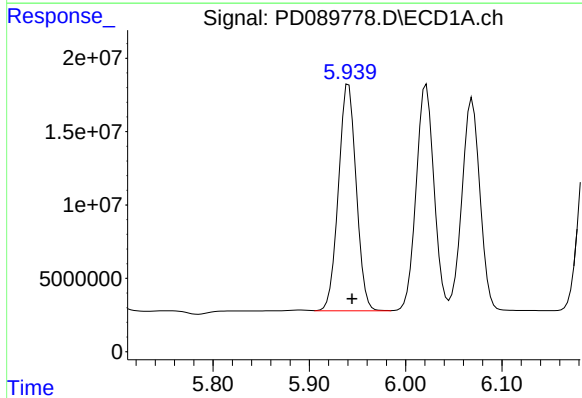
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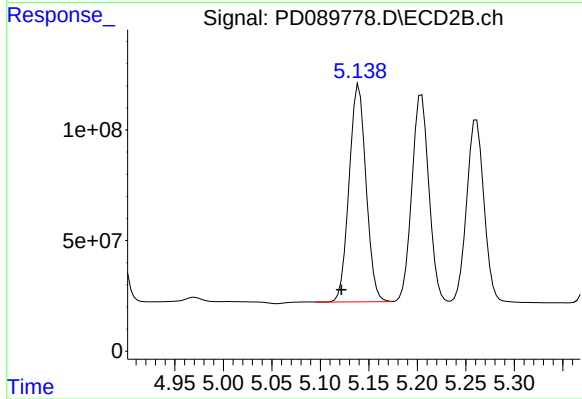
#9 Endosulfan I

R.T.: 5.261 min
Delta R.T.: 0.018 min
Response: 1008278150
Conc: 51.58 ng/ml



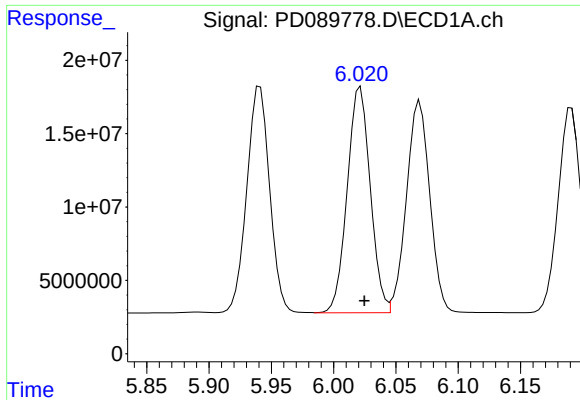
#10 gamma-Chlordane

R.T.: 5.941 min
Delta R.T.: -0.003 min
Response: 197644594
Conc: 47.29 ng/ml



#10 gamma-Chlordane

R.T.: 5.138 min
Delta R.T.: 0.016 min
Response: 1192704367
Conc: 55.08 ng/ml m



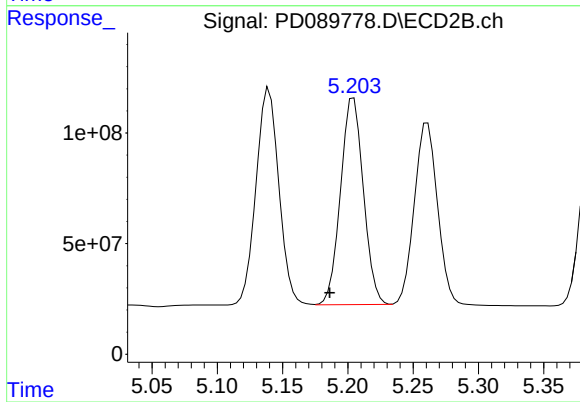
#11 alpha-Chlordane

R.T.: 6.022 min
Delta R.T.: -0.003 min
Response: 198943551
Conc: 47.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169093BS

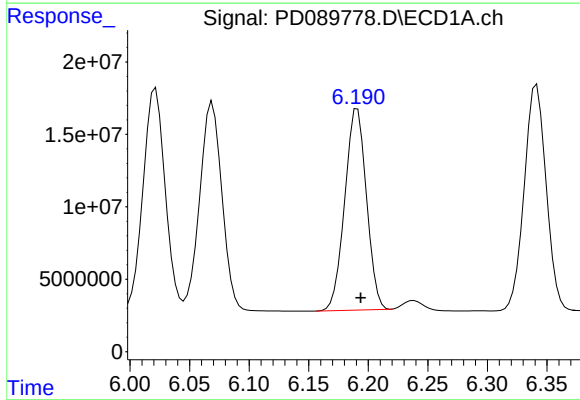
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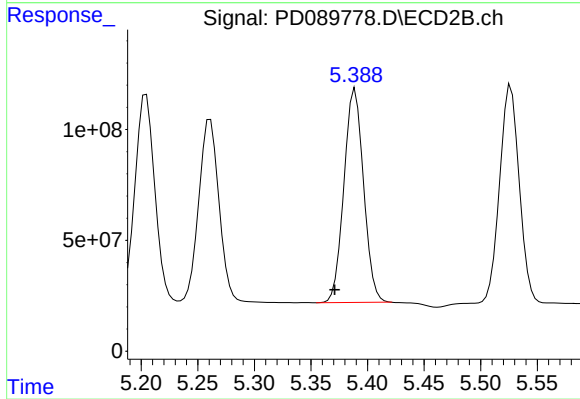
#11 alpha-Chlordane

R.T.: 5.204 min
Delta R.T.: 0.018 min
Response: 1139489497
Conc: 54.73 ng/ml



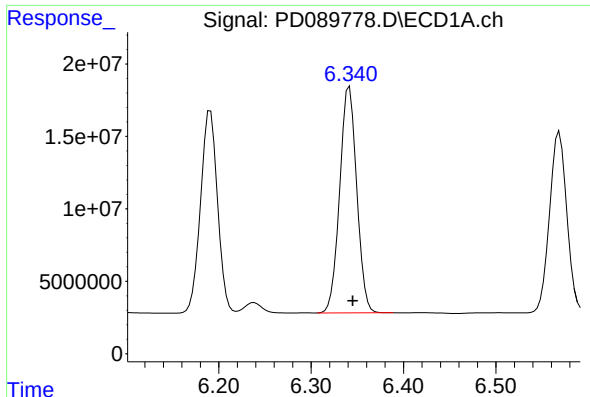
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: -0.003 min
Response: 176471521
Conc: 47.31 ng/ml



#12 4,4'-DDE

R.T.: 5.389 min
Delta R.T.: 0.018 min
Response: 1163446512
Conc: 55.04 ng/ml



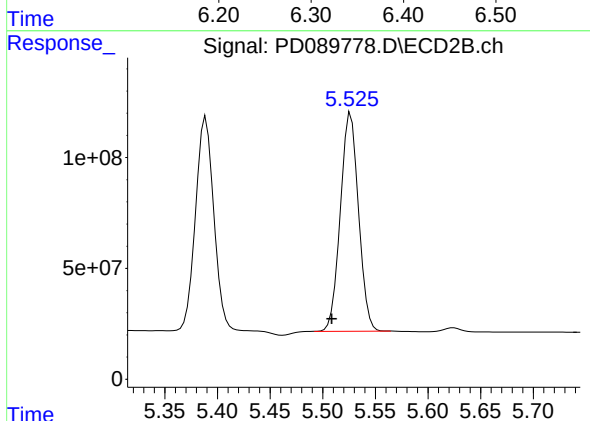
#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: -0.004 min
Response: 200336404
Conc: 47.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169093BS

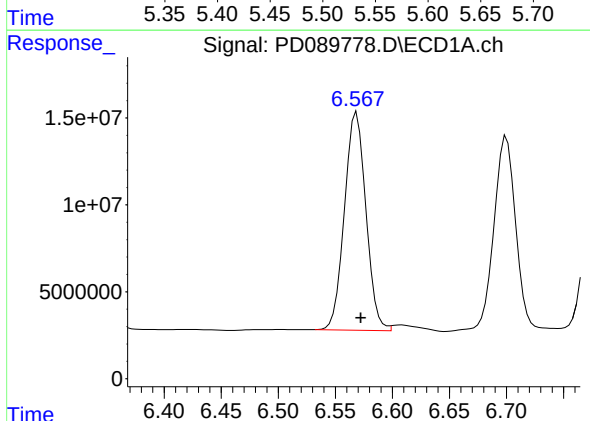
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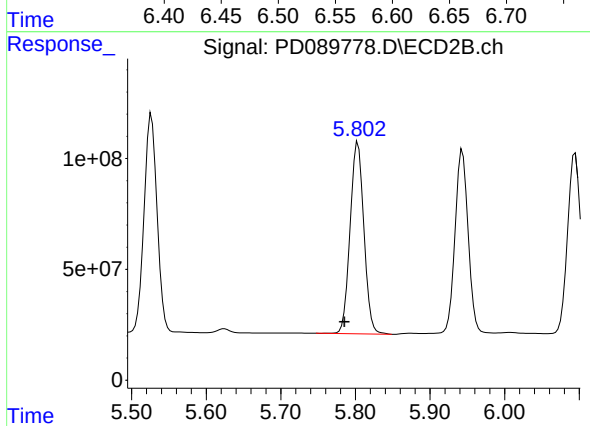
#13 Dieldrin

R.T.: 5.525 min
Delta R.T.: 0.017 min
Response: 1189395732
Conc: 54.97 ng/ml m



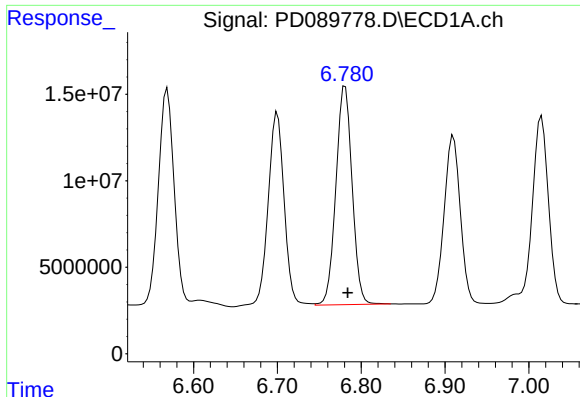
#14 Endrin

R.T.: 6.569 min
Delta R.T.: -0.004 min
Response: 164242425
Conc: 45.91 ng/ml



#14 Endrin

R.T.: 5.803 min
Delta R.T.: 0.018 min
Response: 1111365264
Conc: 55.78 ng/ml



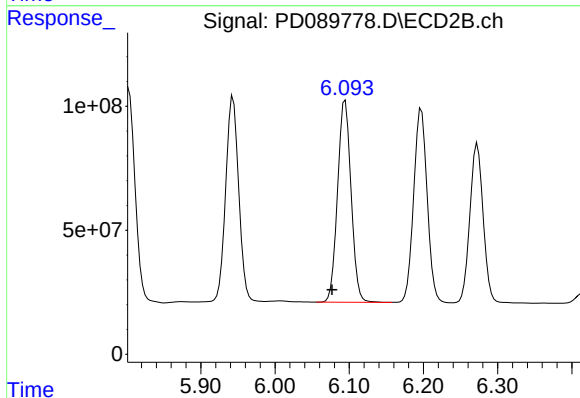
#15 Endosulfan II

R.T.: 6.781 min
Delta R.T.: -0.003 min
Response: 169686497
Conc: 46.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169093BS

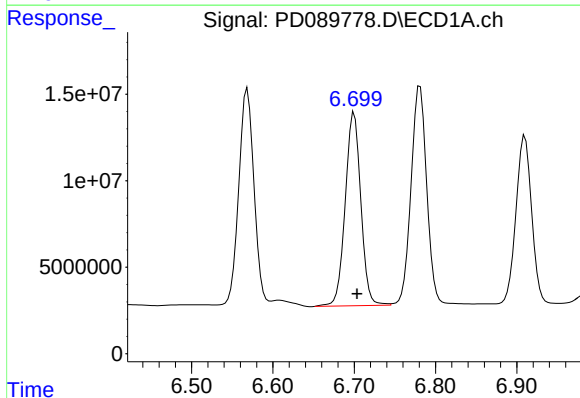
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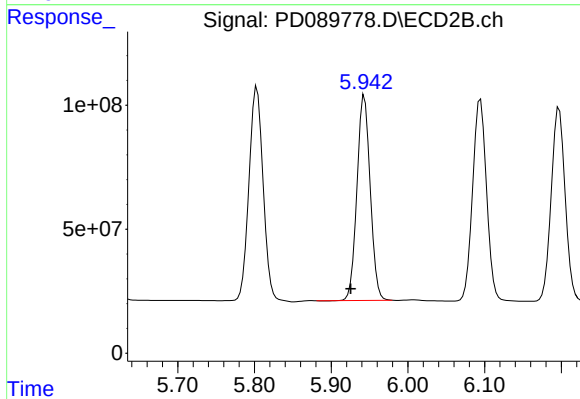
#15 Endosulfan II

R.T.: 6.095 min
Delta R.T.: 0.018 min
Response: 1035384428
Conc: 55.08 ng/ml



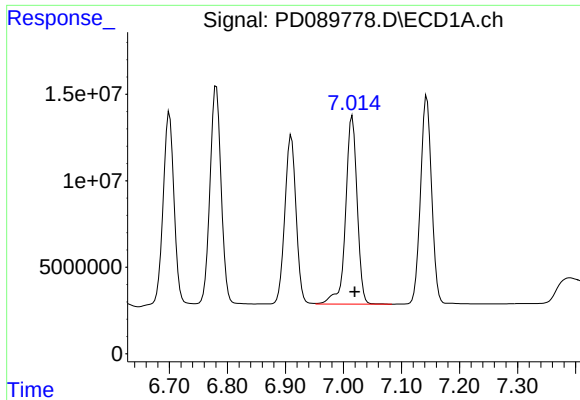
#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: -0.004 min
Response: 148594505
Conc: 49.62 ng/ml



#16 4,4'-DDD

R.T.: 5.943 min
Delta R.T.: 0.018 min
Response: 1000732216
Conc: 56.75 ng/ml



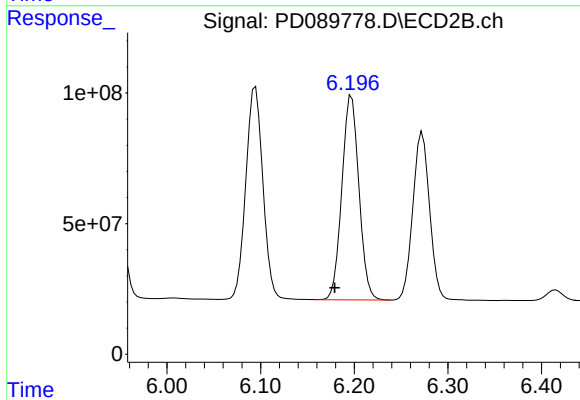
#17 4,4'-DDT

R.T.: 7.015 min
Delta R.T.: -0.004 min
Response: 149819908
Conc: 44.59 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169093BS

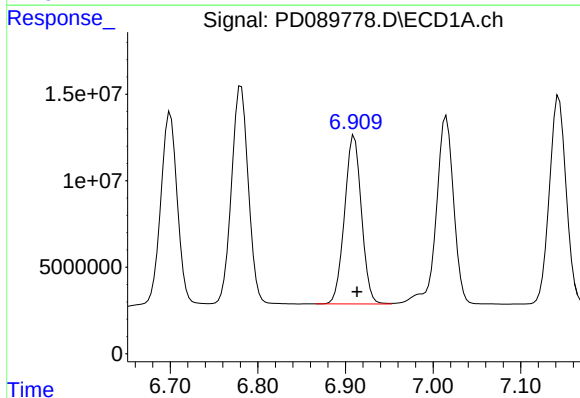
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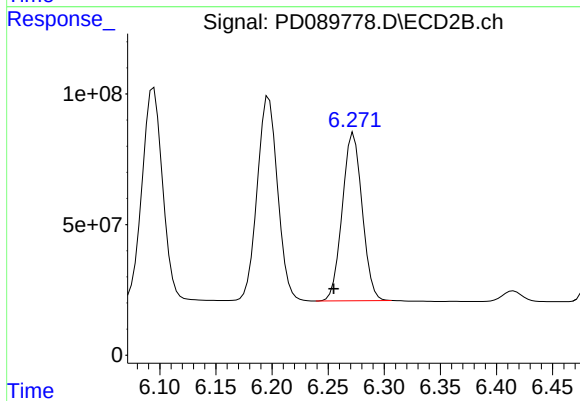
#17 4,4'-DDT

R.T.: 6.197 min
Delta R.T.: 0.018 min
Response: 992239464
Conc: 54.01 ng/ml



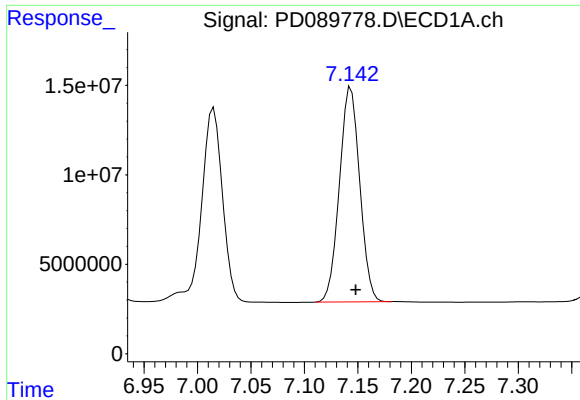
#18 Endrin aldehyde

R.T.: 6.910 min
Delta R.T.: -0.003 min
Response: 130564926
Conc: 52.32 ng/ml



#18 Endrin aldehyde

R.T.: 6.273 min
Delta R.T.: 0.018 min
Response: 790564194
Conc: 61.19 ng/ml



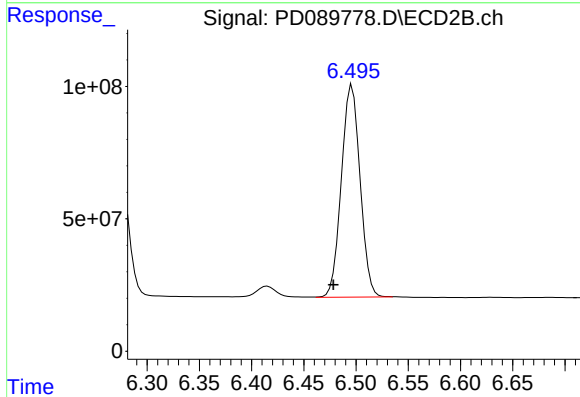
#19 Endosulfan Sulfate

R.T.: 7.144 min
Delta R.T.: -0.005 min
Response: 158866438
Conc: 45.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169093BS

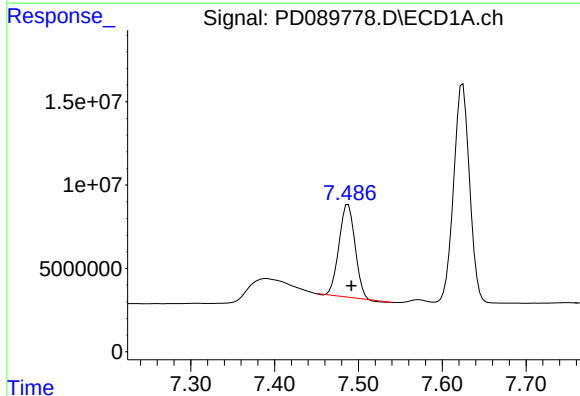
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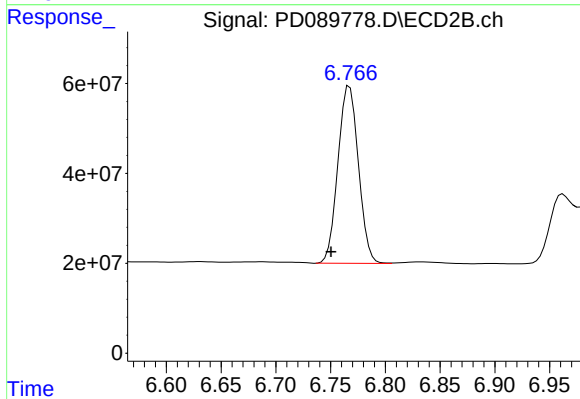
#19 Endosulfan Sulfate

R.T.: 6.495 min
Delta R.T.: 0.016 min
Response: 1000178828
Conc: 53.87 ng/ml m



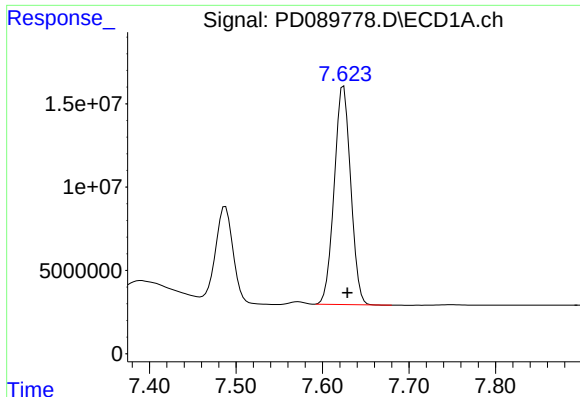
#20 Methoxychlor

R.T.: 7.488 min
Delta R.T.: -0.004 min
Response: 72757134
Conc: 40.69 ng/ml



#20 Methoxychlor

R.T.: 6.767 min
Delta R.T.: 0.017 min
Response: 513889907
Conc: 52.46 ng/ml



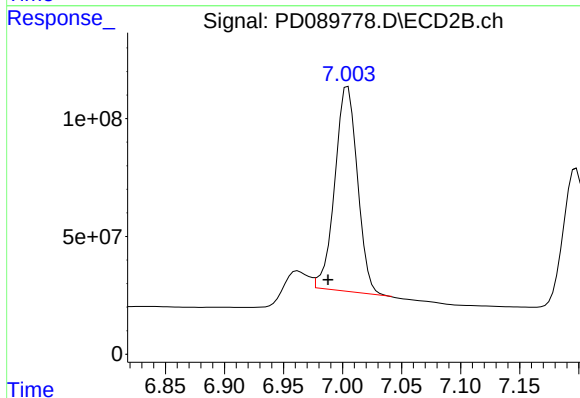
#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: -0.004 min
Response: 172603862
Conc: 46.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169093BS

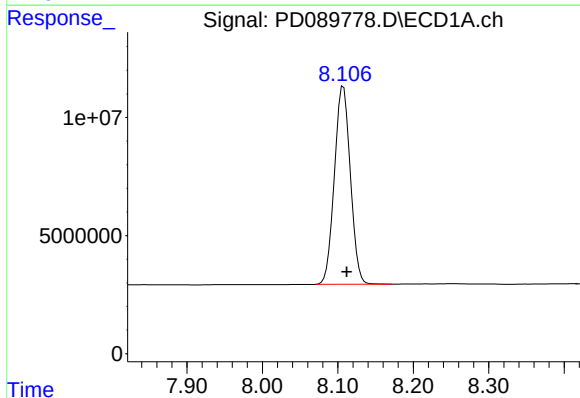
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/07/2025
Supervised By :mohammad ahmed 08/08/2025



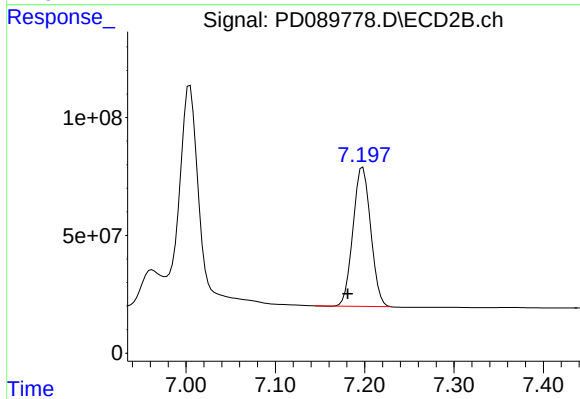
#21 Endrin ketone

R.T.: 7.004 min
Delta R.T.: 0.017 min
Response: 1159035388
Conc: 57.75 ng/ml



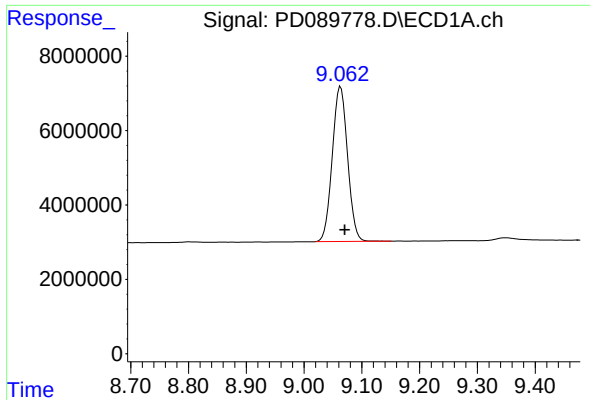
#22 Mirex

R.T.: 8.107 min
Delta R.T.: -0.004 min
Response: 123388393
Conc: 44.25 ng/ml



#22 Mirex

R.T.: 7.198 min
Delta R.T.: 0.017 min
Response: 813978296
Conc: 53.48 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.063 min
Delta R.T.: -0.007 min
Response: 76595059
Conc: 20.61 ng/ml

Instrument :

ECD_D

ClientSampleId :

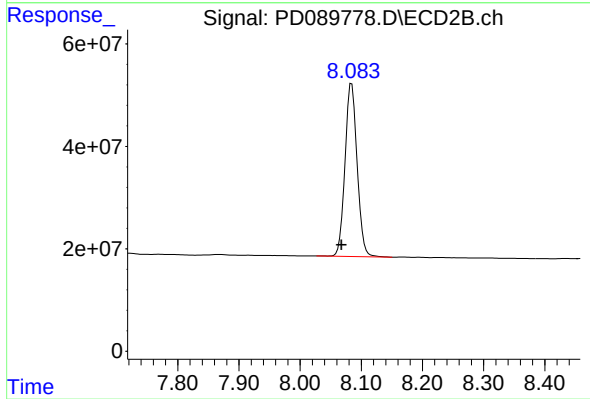
PB169093BS

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#28 Decachlorobiphenyl

R.T.: 8.084 min
Delta R.T.: 0.016 min
Response: 464700171
Conc: 23.14 ng/ml