

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102325\
 Data File : PD090791.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Oct 2025 16:19
 Operator : AR\AJ
 Sample : Q3419-02MS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PR-132-S16-015094-20251021MS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/27/2025
 Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 24 06:16:00 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 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...	3.543	2.874	36566596	382.4E6	11.742m	12.841
28)	SA Decachlor...	9.066	8.060	55881767	386.6E6	11.946	12.763
Target Compounds							
2)	A alpha-BHC	3.994	3.386	311.1E6	2114.1E6	43.342	41.375
3)	MA gamma-BHC...	4.325	3.722	284.5E6	1963.6E6	41.841	41.559
4)	MA Heptachlor	4.922	4.075	272.2E6	1952.3E6	48.698	43.771
5)	MB Aldrin	5.264	4.360	284.0E6	1964.1E6	43.373	42.405
6)	B beta-BHC	4.512	4.018	107.2E6	855.4E6	40.905	43.140
7)	B delta-BHC	4.760	4.255	282.0E6	1999.6E6	41.702	41.905
8)	B Heptachlo...	5.683	4.863	253.4E6	1823.1E6	43.772m	42.756
9)	A Endosulfan I	6.068	5.238	239.5E6	1655.2E6	43.264	42.021
10)	B gamma-Chl...	5.940	5.116	260.9E6	2004.0E6	43.996	44.585
11)	B alpha-Chl...	6.021	5.181	262.6E6	1873.0E6	42.497	43.420
12)	B 4,4'-DDE	6.190	5.365	230.6E6	1900.8E6	43.298	43.358
13)	MA Dieldrin	6.341	5.503	258.9E6	1946.0E6	44.395	44.044
14)	MA Endrin	6.568	5.780	212.2E6	1670.3E6	42.834	41.249
15)	B Endosulfa...	6.781	6.070	212.9E6	1686.0E6	42.585	44.894m
16)	A 4,4'-DDD	6.699	5.920	182.7E6	1556.4E6	45.060m	42.714
17)	MA 4,4'-DDT	7.016	6.173	174.2E6	1510.2E6	42.390	43.060
18)	B Endrin al...	6.910	6.249	134.2E6	1036.6E6	36.643	37.430
19)	B Endosulfa...	7.145	6.473	190.3E6	1527.9E6	41.038	42.625
20)	A Methoxychlor	7.488	6.744	88070286	763.6E6	41.433	43.816
21)	B Endrin ke...	7.625	6.982	213.3E6	1734.6E6	43.900	45.989
22)	Mirex	8.108	7.175	136.9E6	1155.5E6	42.778	44.977

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

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Data File : PD090791.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 16:19
Operator : AR\AJ
Sample : Q3419-02MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

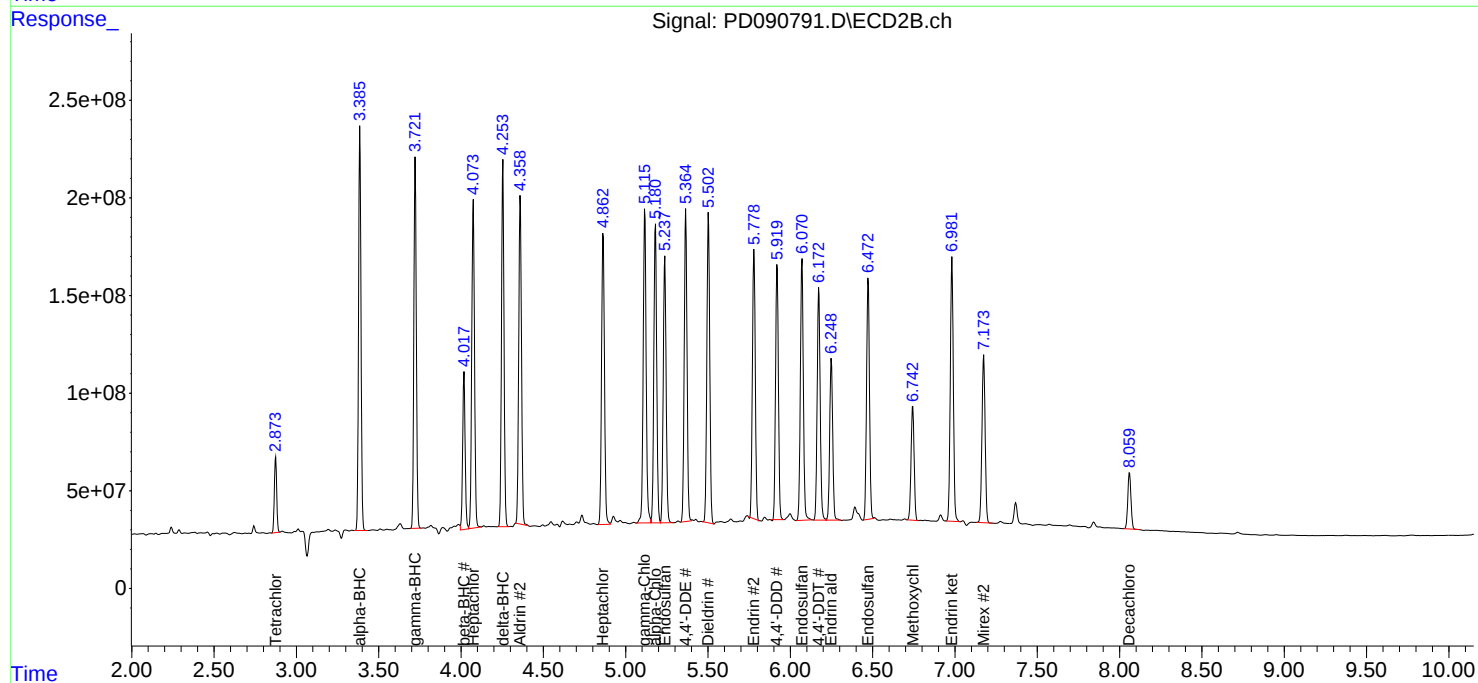
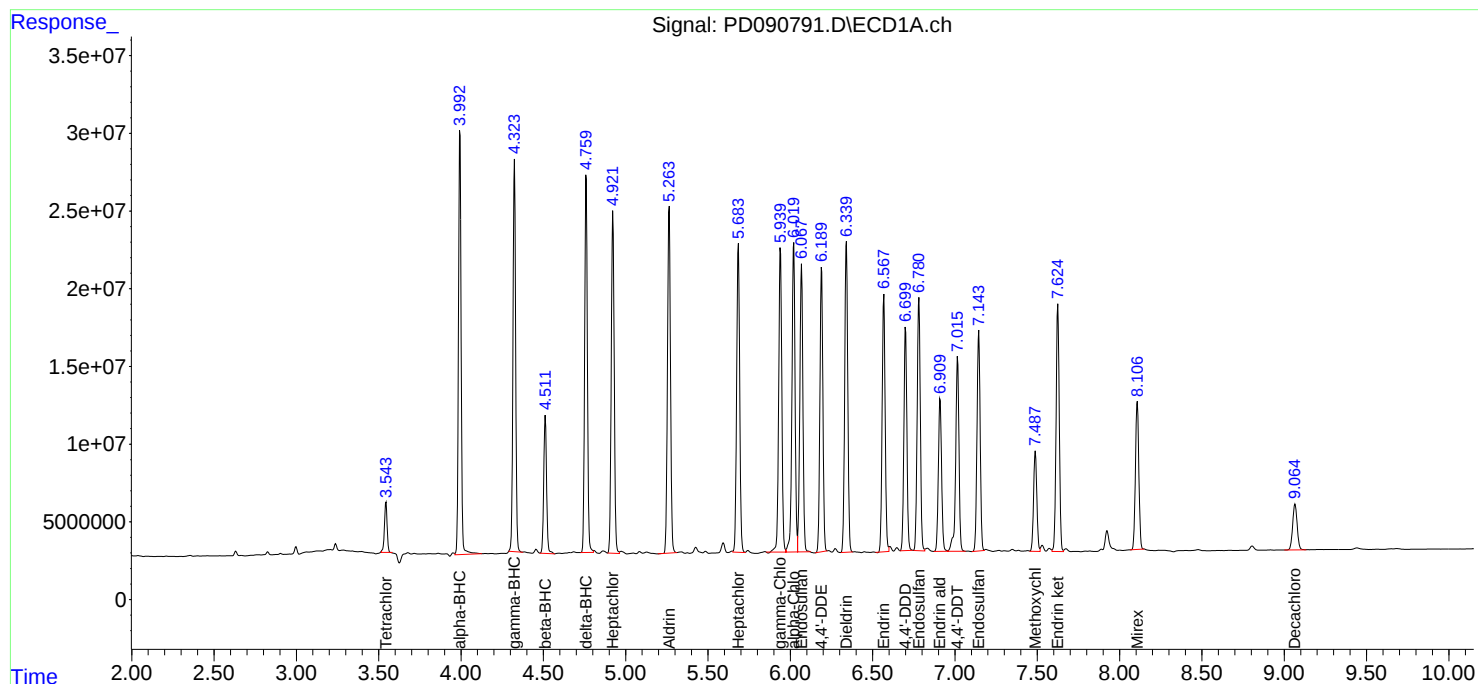
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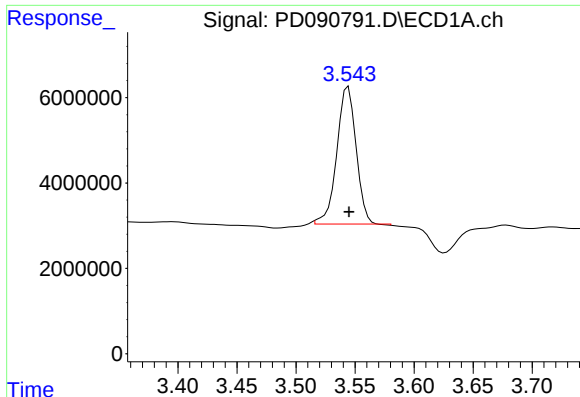
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 06:16:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
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Volume 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





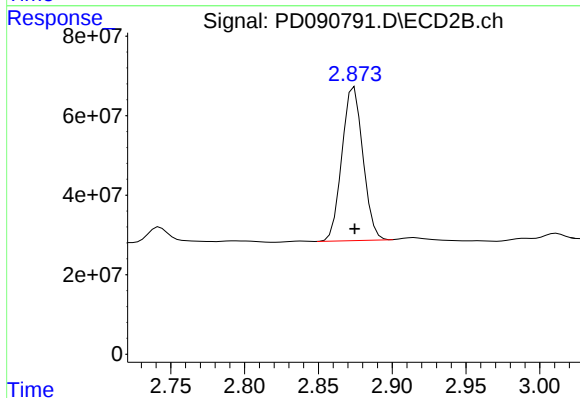
#1 Tetrachloro-m-xylene

R.T.: 3.543 min
Delta R.T.: -0.002 min
Response: 36566596
Conc: 11.74 ng/ml

Instrument :
ECD_D
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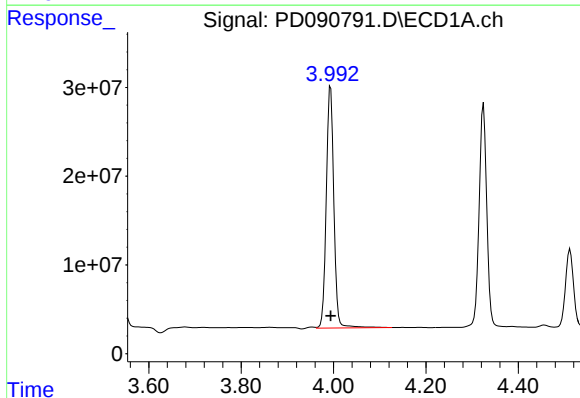
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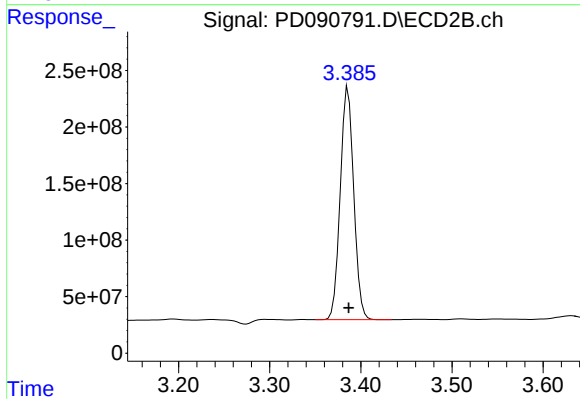
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 382357556
Conc: 12.84 ng/ml



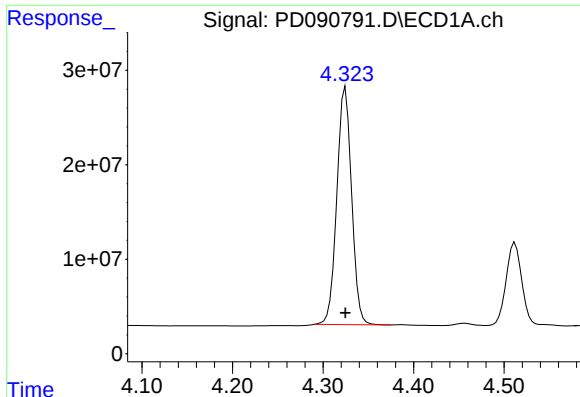
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 311071388
Conc: 43.34 ng/ml



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: 0.000 min
Response: 2114085029
Conc: 41.37 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 284469717
Conc: 41.84 ng/ml

Instrument :

ECD_D

ClientSampleId :

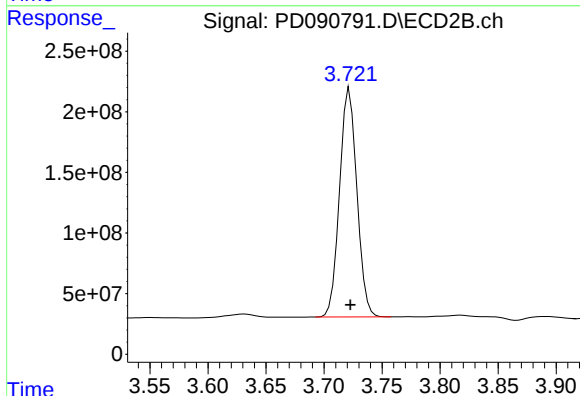
PR-132-S16-015094-20251021MS

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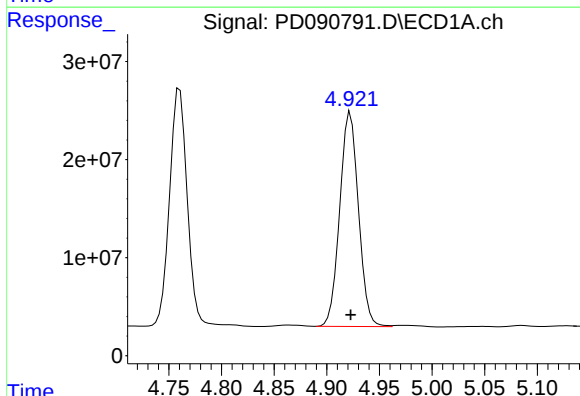
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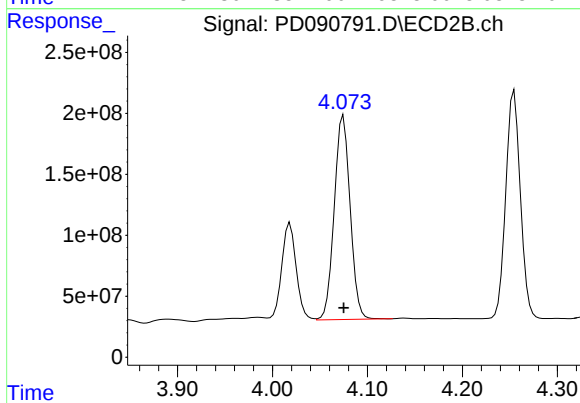
#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: 0.000 min
Response: 1963610313
Conc: 41.56 ng/ml



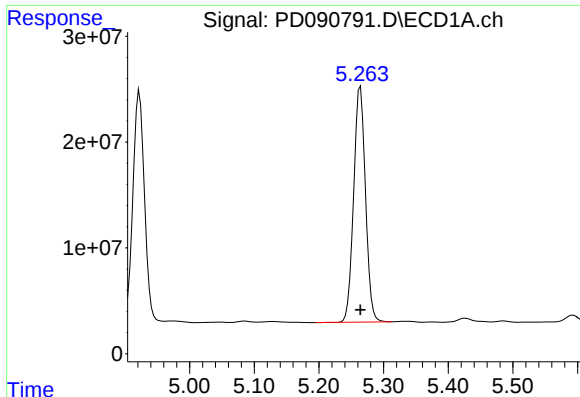
#4 Heptachlor

R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 272200835
Conc: 48.70 ng/ml



#4 Heptachlor

R.T.: 4.075 min
Delta R.T.: 0.000 min
Response: 1952297739
Conc: 43.77 ng/ml



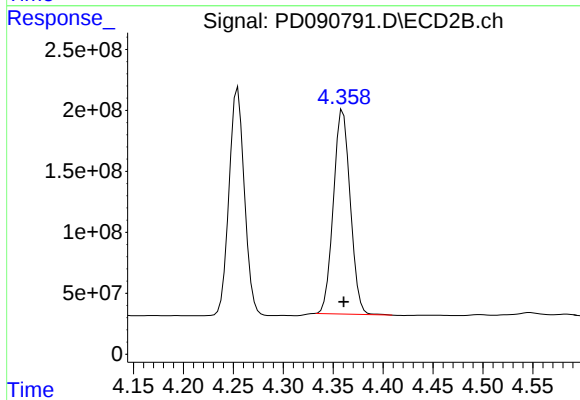
#5 Aldrin

R.T.: 5.264 min
Delta R.T.: 0.000 min
Response: 283976318
Conc: 43.37 ng/ml

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ECD_D
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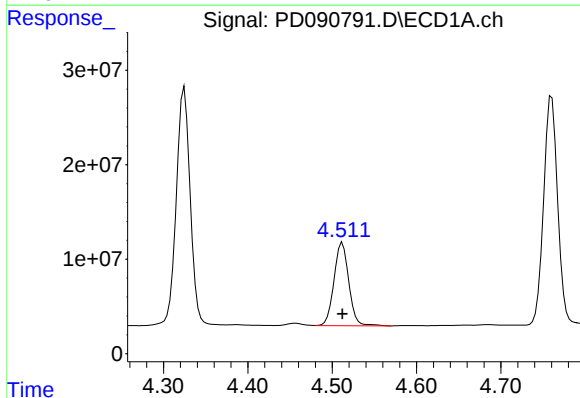
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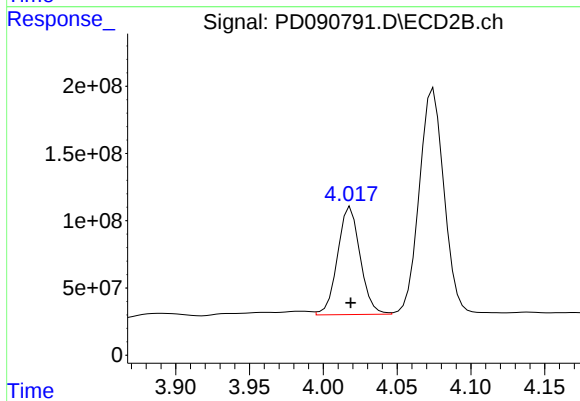
#5 Aldrin

R.T.: 4.360 min
Delta R.T.: 0.000 min
Response: 1964142426
Conc: 42.40 ng/ml



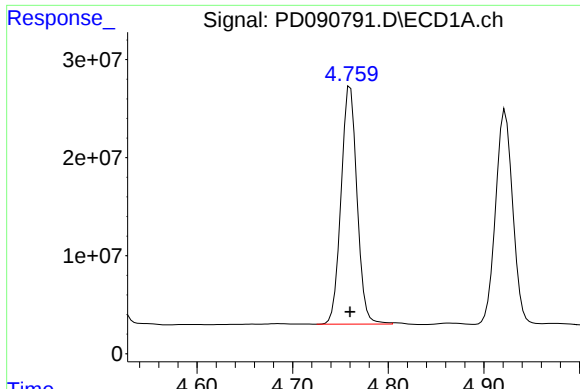
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 107156762
Conc: 40.91 ng/ml



#6 beta-BHC

R.T.: 4.018 min
Delta R.T.: 0.000 min
Response: 855440572
Conc: 43.14 ng/ml



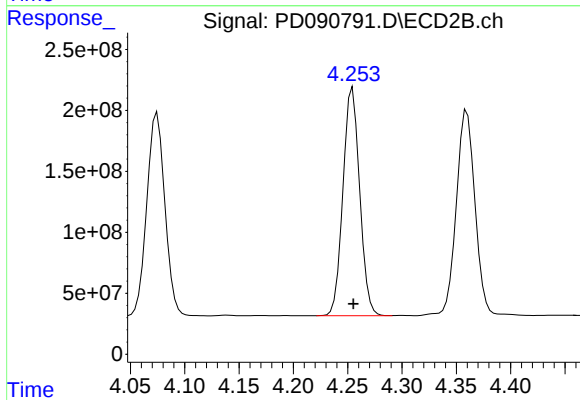
#7 delta-BHC

R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 281977489
Conc: 41.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR-132-S16-015094-20251021MS

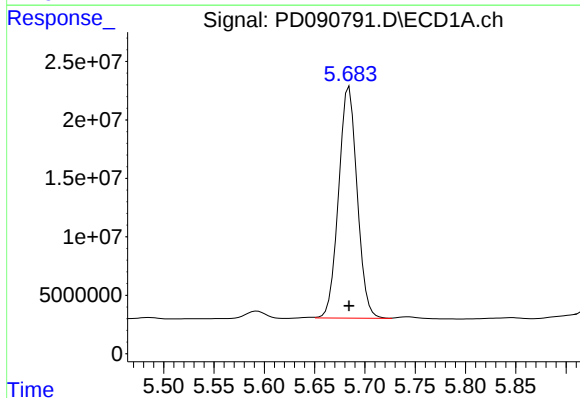
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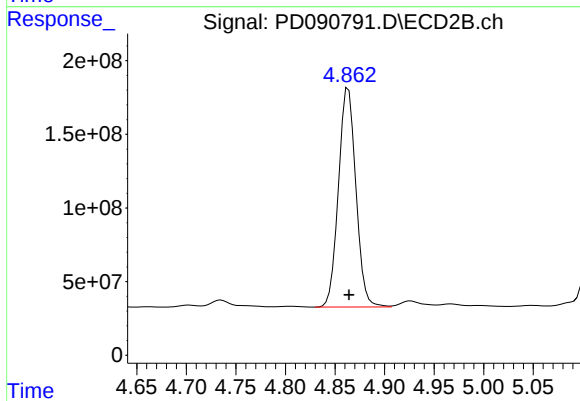
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 1999554236
Conc: 41.90 ng/ml



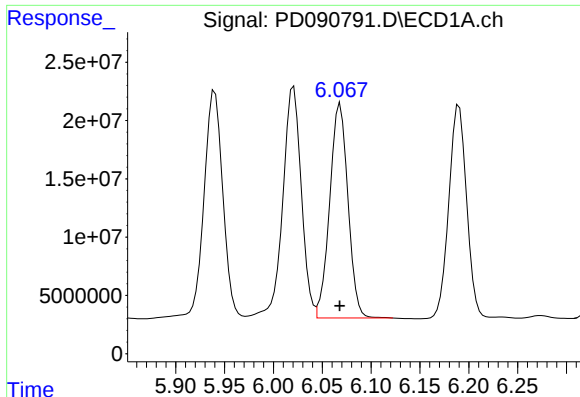
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: -0.001 min
Response: 253401177
Conc: 43.77 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.863 min
Delta R.T.: 0.000 min
Response: 1823052245
Conc: 42.76 ng/ml



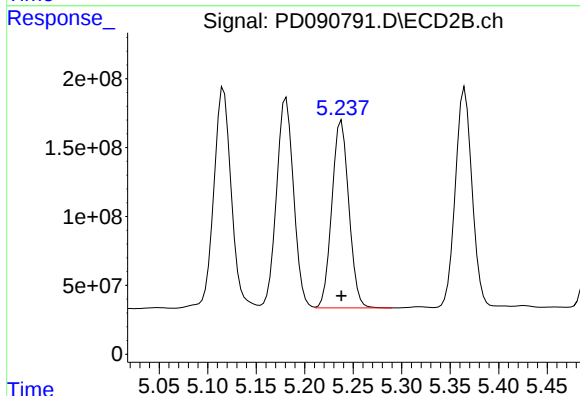
#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 239536944
Conc: 43.26 ng/ml

Instrument :
ECD_D
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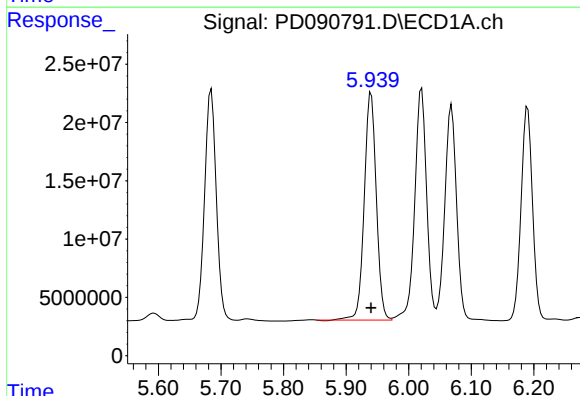
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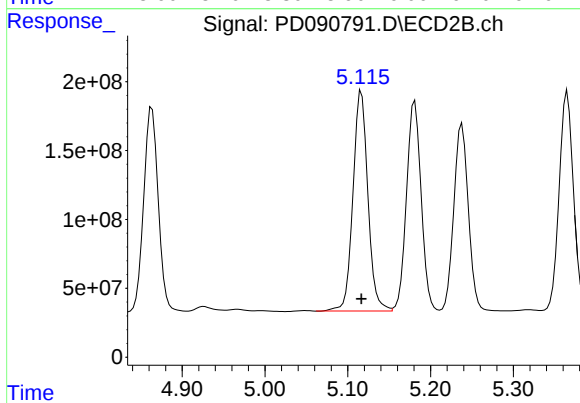
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: 0.000 min
Response: 1655206847
Conc: 42.02 ng/ml



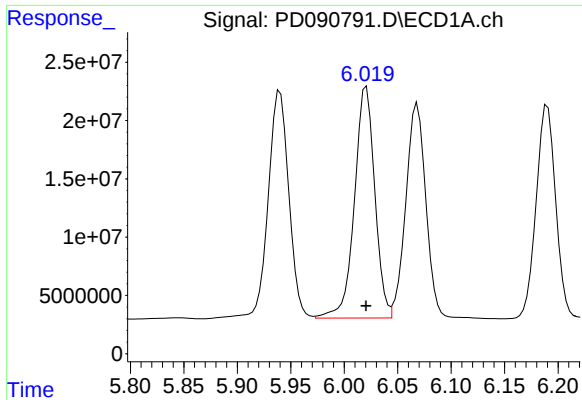
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 260947132
Conc: 44.00 ng/ml



#10 gamma-Chlordane

R.T.: 5.116 min
Delta R.T.: 0.000 min
Response: 2004038915
Conc: 44.58 ng/ml



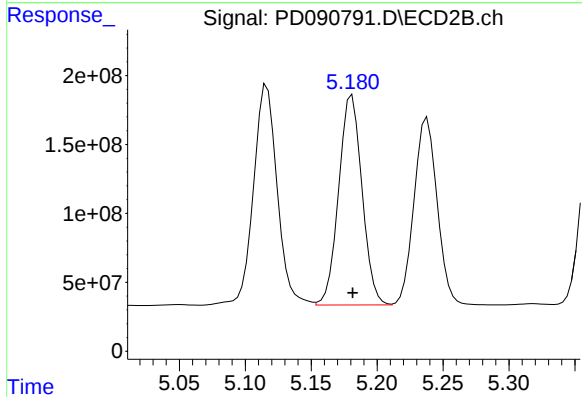
#11 alpha-Chlordane

R.T.: 6.021 min
Delta R.T.: 0.000 min
Response: 262641898
Conc: 42.50 ng/ml

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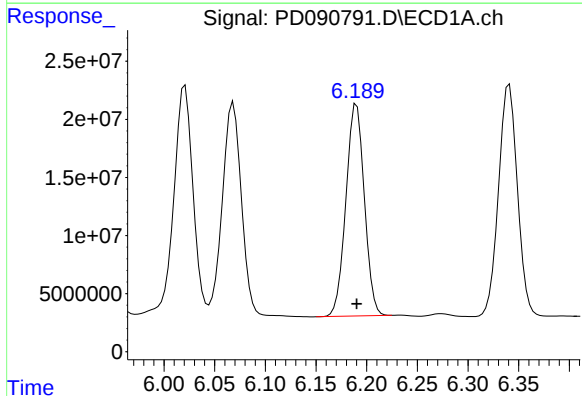
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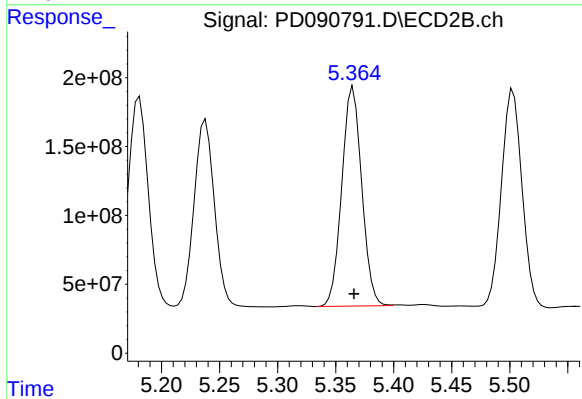
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 1873028259
Conc: 43.42 ng/ml



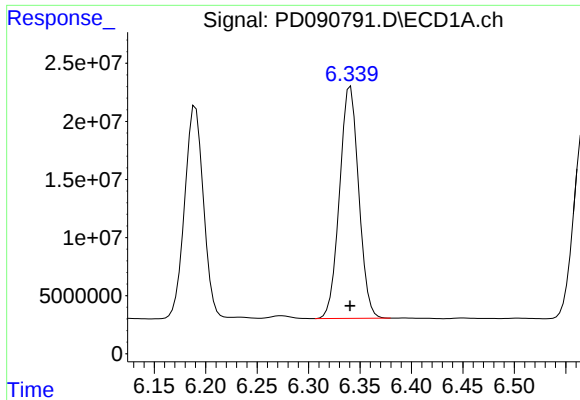
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 230632804
Conc: 43.30 ng/ml



#12 4,4'-DDE

R.T.: 5.365 min
Delta R.T.: 0.000 min
Response: 1900757028
Conc: 43.36 ng/ml



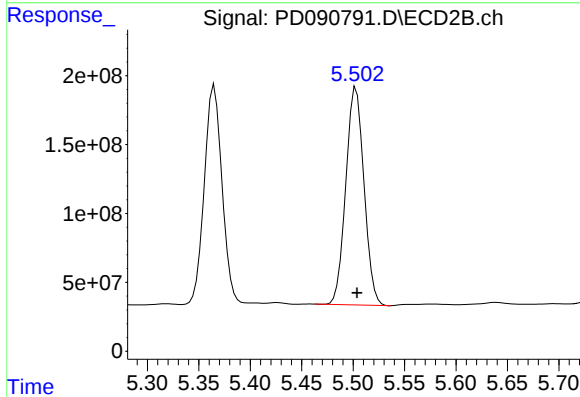
#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 258884516
Conc: 44.40 ng/ml

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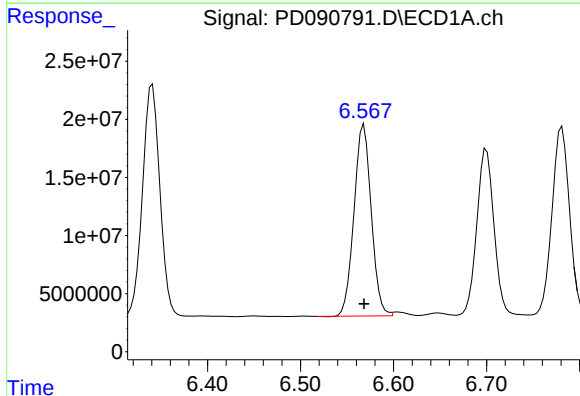
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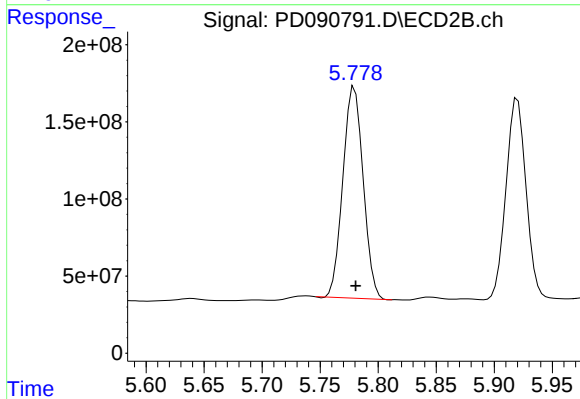
#13 Dieldrin

R.T.: 5.503 min
Delta R.T.: 0.000 min
Response: 1946038134
Conc: 44.04 ng/ml



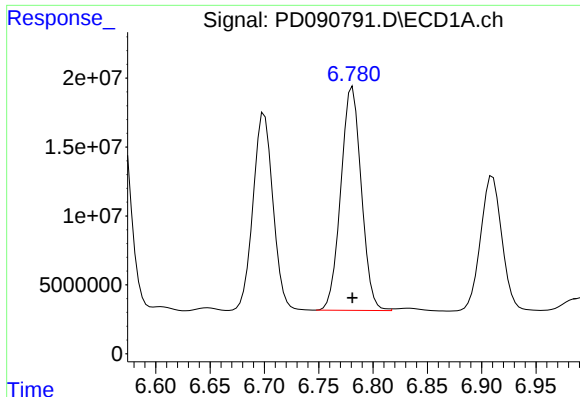
#14 Endrin

R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 212186047
Conc: 42.83 ng/ml



#14 Endrin

R.T.: 5.780 min
Delta R.T.: 0.000 min
Response: 1670316879
Conc: 41.25 ng/ml



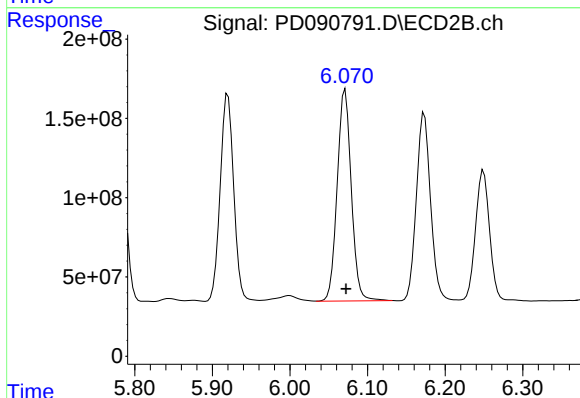
#15 Endosulfan II

R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 212922553
Conc: 42.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
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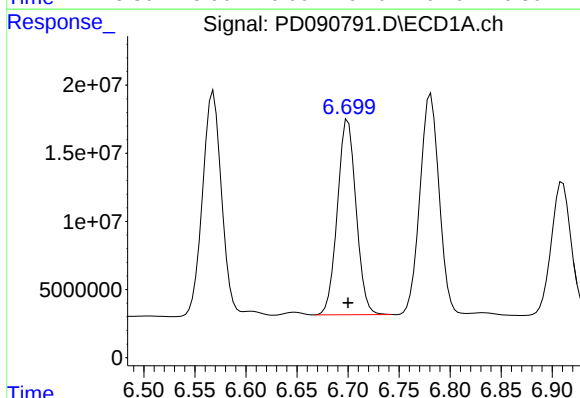
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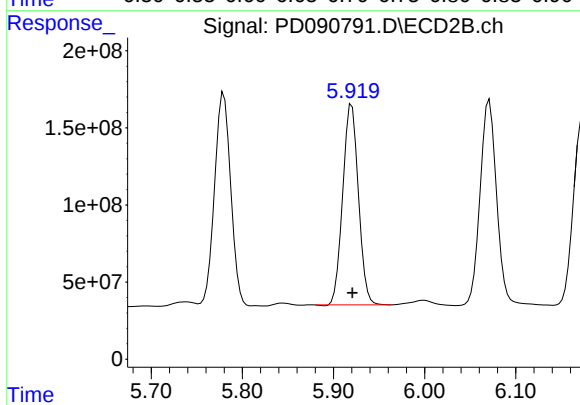
#15 Endosulfan II

R.T.: 6.070 min
Delta R.T.: -0.002 min
Response: 1686032814
Conc: 44.89 ng/ml m



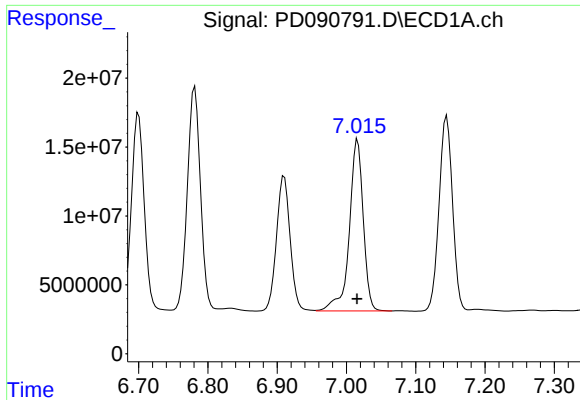
#16 4,4'-DDD

R.T.: 6.699 min
Delta R.T.: -0.002 min
Response: 182682977
Conc: 45.06 ng/ml m



#16 4,4'-DDD

R.T.: 5.920 min
Delta R.T.: 0.000 min
Response: 1556399848
Conc: 42.71 ng/ml



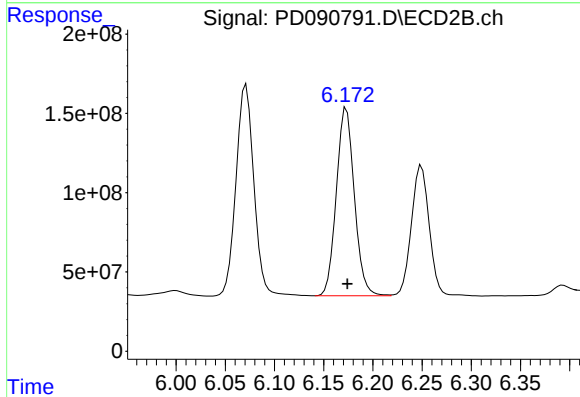
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 174241969
Conc: 42.39 ng/ml

Instrument :
ECD_D
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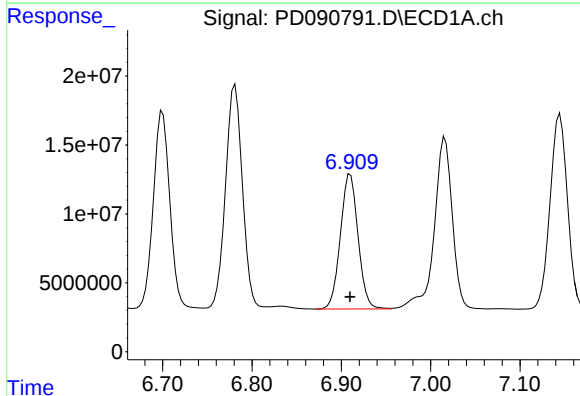
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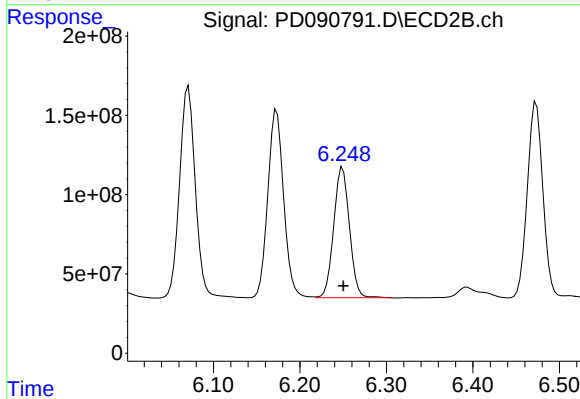
#17 4,4'-DDT

R.T.: 6.173 min
Delta R.T.: 0.000 min
Response: 1510233836
Conc: 43.06 ng/ml



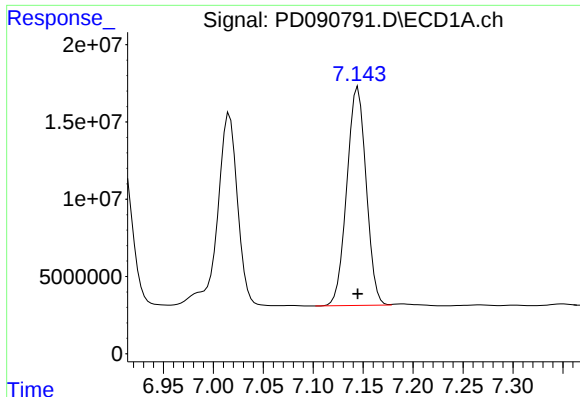
#18 Endrin aldehyde

R.T.: 6.910 min
Delta R.T.: 0.000 min
Response: 134211520
Conc: 36.64 ng/ml



#18 Endrin aldehyde

R.T.: 6.249 min
Delta R.T.: 0.000 min
Response: 1036550604
Conc: 37.43 ng/ml



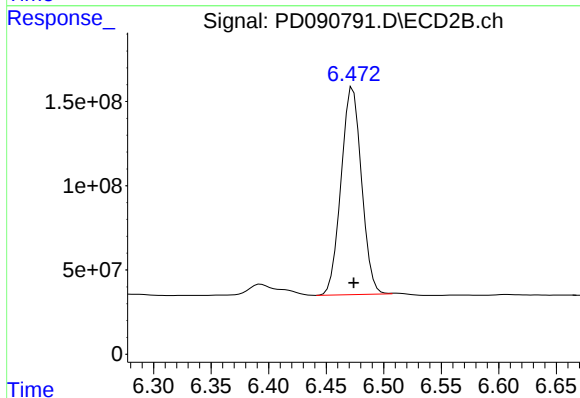
#19 Endosulfan Sulfate

R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 190341401
Conc: 41.04 ng/ml

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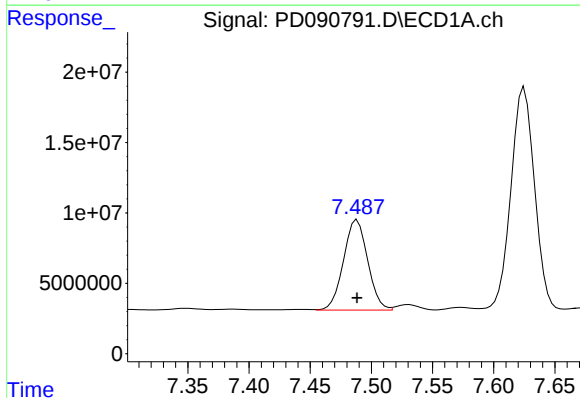
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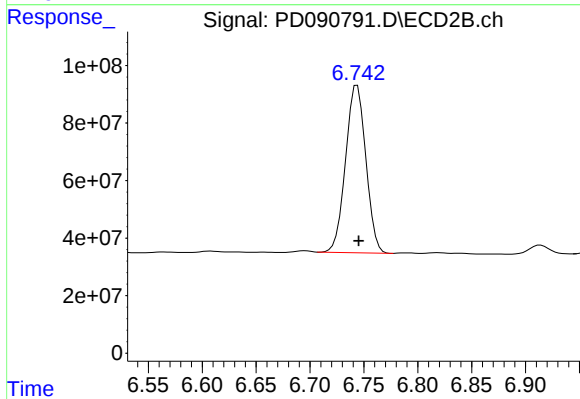
#19 Endosulfan Sulfate

R.T.: 6.473 min
Delta R.T.: 0.000 min
Response: 1527886999
Conc: 42.62 ng/ml



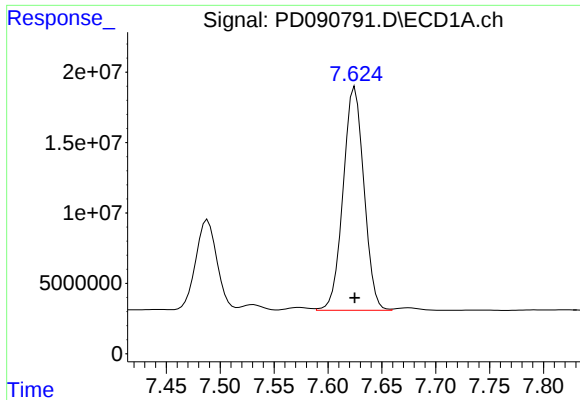
#20 Methoxychlor

R.T.: 7.488 min
Delta R.T.: 0.000 min
Response: 88070286
Conc: 41.43 ng/ml



#20 Methoxychlor

R.T.: 6.744 min
Delta R.T.: -0.001 min
Response: 763609029
Conc: 43.82 ng/ml



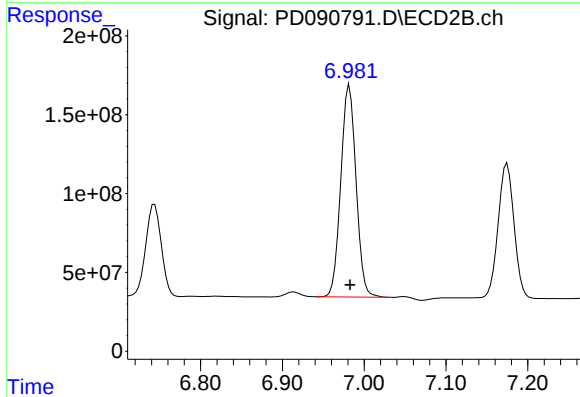
#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: 0.000 min
Response: 213303188
Conc: 43.90 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR-132-S16-015094-20251021MS

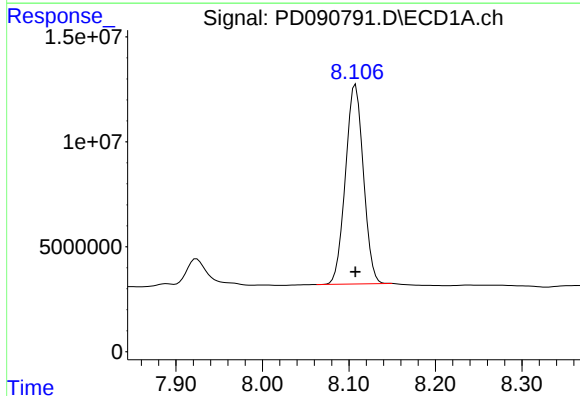
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



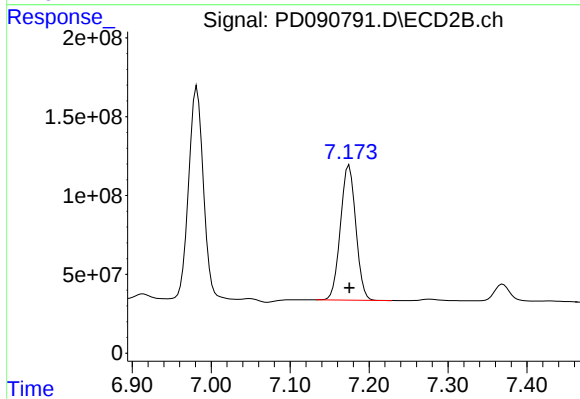
#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: 0.000 min
Response: 1734618075
Conc: 45.99 ng/ml



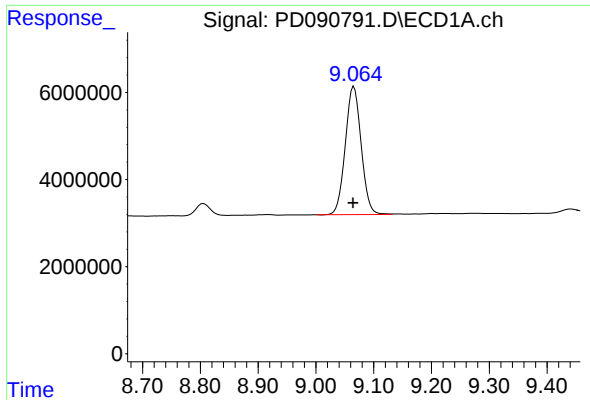
#22 Mirex

R.T.: 8.108 min
Delta R.T.: 0.000 min
Response: 136926377
Conc: 42.78 ng/ml



#22 Mirex

R.T.: 7.175 min
Delta R.T.: 0.000 min
Response: 1155490882
Conc: 44.98 ng/ml



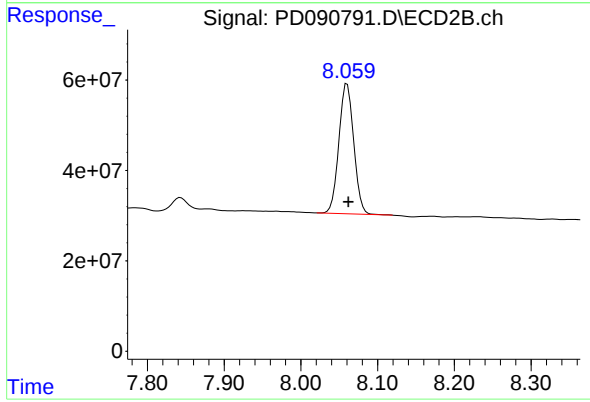
#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.001 min
Response: 55881767
Conc: 11.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR-132-S16-015094-20251021MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.002 min
Response: 386596209
Conc: 12.76 ng/ml