

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD112525\  
 Data File : PD091354.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 25 Nov 2025 18:58  
 Operator : AR\AJ  
 Sample : Q3707-01MS  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 V933MS

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 11/26/2025  
 Supervised By :mohammad ahmed 11/27/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 26 00:05:59 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... | 3.560  | 2.872 | 66510874 | 819.8E6  | 19.286m | 22.381 |
| 28)                         | SA Decachlor... | 9.079  | 8.055 | 96418274 | 848.6E6  | 19.354  | 21.442 |
| Target Compounds            |                 |        |       |          |          |         |        |
| 2)                          | A alpha-BHC     | 4.011f | 3.383 | 388.8E6  | 3253.3E6 | 48.632  | 51.474 |
| 3)                          | MA gamma-BHC... | 4.341f | 3.719 | 358.9E6  | 2972.9E6 | 48.026  | 51.416 |
| 4)                          | MA Heptachlor   | 4.939f | 4.071 | 343.0E6  | 2842.7E6 | 47.892  | 51.490 |
| 5)                          | MB Aldrin       | 5.280f | 4.356 | 342.8E6  | 2952.1E6 | 47.240  | 52.288 |
| 6)                          | B beta-BHC      | 4.529f | 4.015 | 138.5E6  | 1255.6E6 | 47.672  | 52.257 |
| 7)                          | B delta-BHC     | 4.777f | 4.251 | 358.4E6  | 3005.1E6 | 48.221  | 51.389 |
| 8)                          | B Heptachlo...  | 5.700f | 4.859 | 308.9E6  | 2669.7E6 | 47.554  | 52.389 |
| 9)                          | A Endosulfan I  | 6.083f | 5.234 | 290.3E6  | 2528.7E6 | 47.256  | 52.844 |
| 10)                         | B gamma-Chl...  | 5.955f | 5.112 | 310.2E6  | 2912.4E6 | 47.720  | 53.313 |
| 11)                         | B alpha-Chl...  | 6.036f | 5.177 | 310.5E6  | 2780.5E6 | 45.109  | 53.133 |
| 12)                         | B 4,4'-DDE      | 6.205f | 5.361 | 274.1E6  | 2803.2E6 | 47.270  | 52.453 |
| 13)                         | MA Dieldrin     | 6.356f | 5.499 | 309.0E6  | 2837.9E6 | 47.791  | 52.252 |
| 14)                         | MA Endrin       | 6.583f | 5.775 | 251.1E6  | 2505.2E6 | 50.589  | 55.434 |
| 15)                         | B Endosulfa...  | 6.797f | 6.066 | 260.5E6  | 2451.6E6 | 46.851  | 52.519 |
| 16)                         | A 4,4'-DDD      | 6.715f | 5.915 | 226.6E6  | 2325.2E6 | 46.143  | 47.580 |
| 17)                         | MA 4,4'-DDT     | 7.031f | 6.169 | 204.8E6  | 2210.0E6 | 49.515  | 56.475 |
| 18)                         | B Endrin al...  | 6.926f | 6.245 | 183.5E6  | 1737.3E6 | 44.039  | 49.231 |
| 19)                         | B Endosulfa...  | 7.160f | 6.468 | 230.8E6  | 2315.9E6 | 44.864  | 51.655 |
| 20)                         | A Methoxychlor  | 7.504f | 6.739 | 103.3E6  | 1066.6E6 | 47.492  | 53.195 |
| 21)                         | B Endrin ke...  | 7.641f | 6.977 | 260.0E6  | 2624.0E6 | 46.147  | 51.495 |
| 22)                         | Mirex           | 8.122f | 7.170 | 160.6E6  | 1677.3E6 | 45.153m | 50.612 |
| -----                       |                 |        |       |          |          |         |        |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD112525\  
Data File : PD091354.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 25 Nov 2025 18:58  
Operator : AR\AJ  
Sample : Q3707-01MS  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

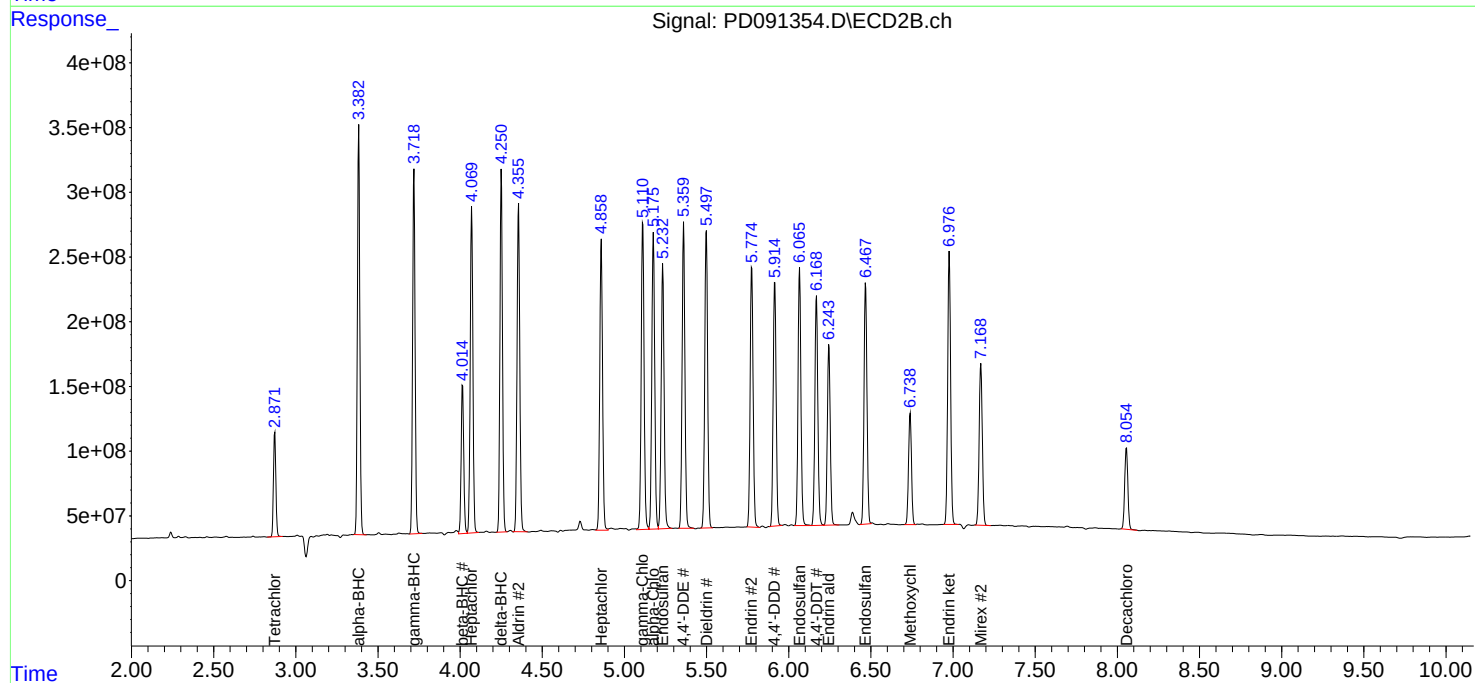
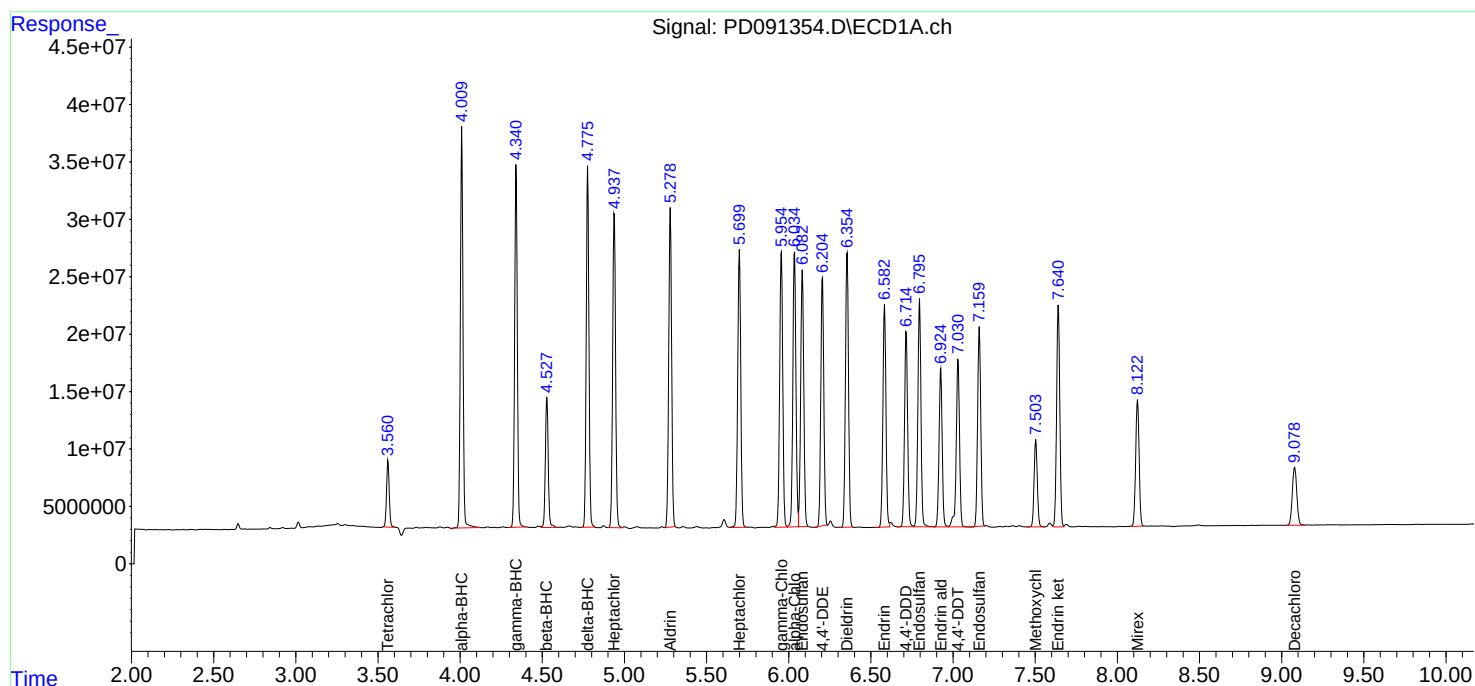
Instrument :  
ECD\_D  
ClientSampleId :  
V933MS

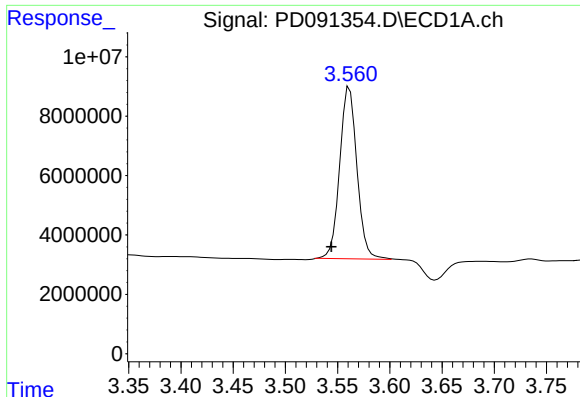
Manual Integrations  
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Supervised By :mohammad ahmed 11/27/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 26 00:05:59 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





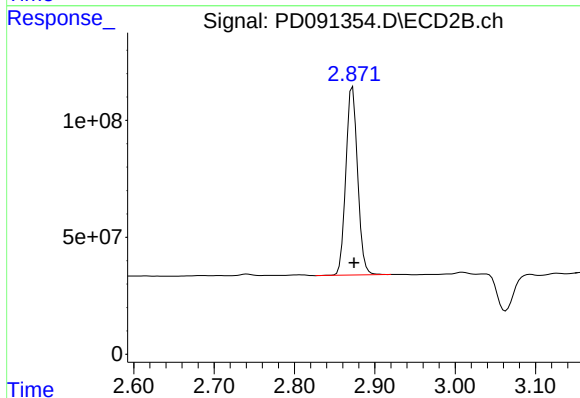
#1 Tetrachloro-m-xylene

R.T.: 3.560 min  
Delta R.T.: 0.016 min  
Response: 66510874  
Conc: 19.29 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
V933MS

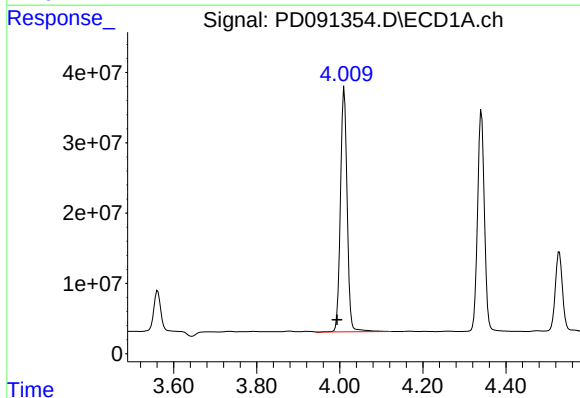
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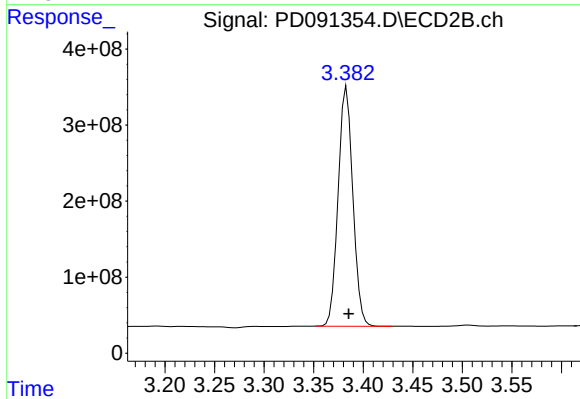
#1 Tetrachloro-m-xylene

R.T.: 2.872 min  
Delta R.T.: -0.002 min  
Response: 819814651  
Conc: 22.38 ng/ml



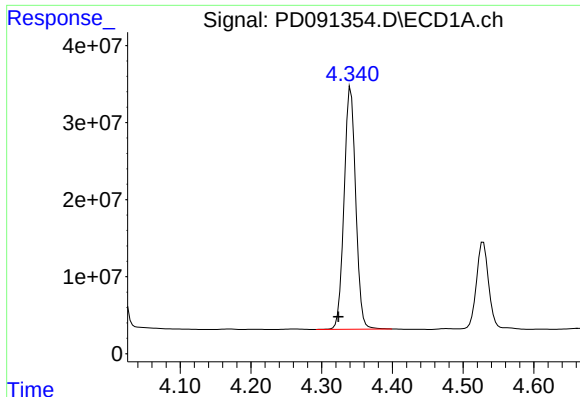
#2 alpha-BHC

R.T.: 4.011 min  
Delta R.T.: 0.018 min  
Response: 388840777  
Conc: 48.63 ng/ml



#2 alpha-BHC

R.T.: 3.383 min  
Delta R.T.: -0.002 min  
Response: 3253297507  
Conc: 51.47 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.341 min  
Delta R.T.: 0.017 min  
Response: 358889694  
Conc: 48.03 ng/ml

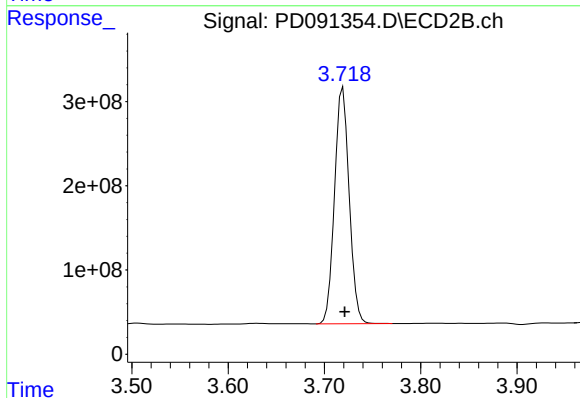
Instrument :

ECD\_D

ClientSampleId :  
V933MS

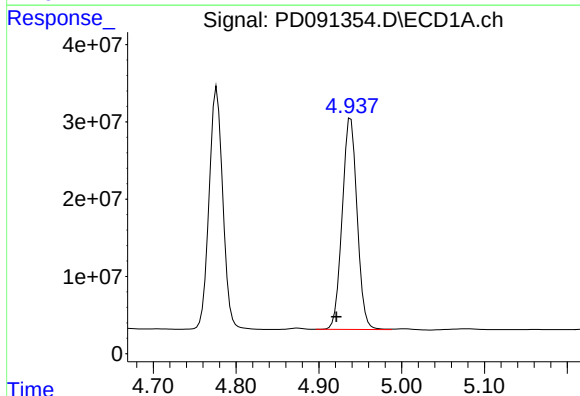
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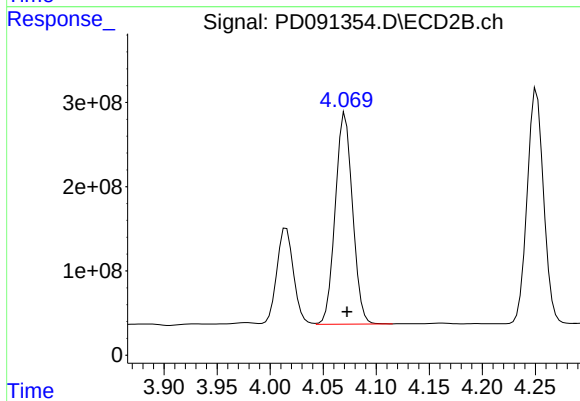
#3 gamma-BHC (Lindane)

R.T.: 3.719 min  
Delta R.T.: -0.002 min  
Response: 2972920959  
Conc: 51.42 ng/ml



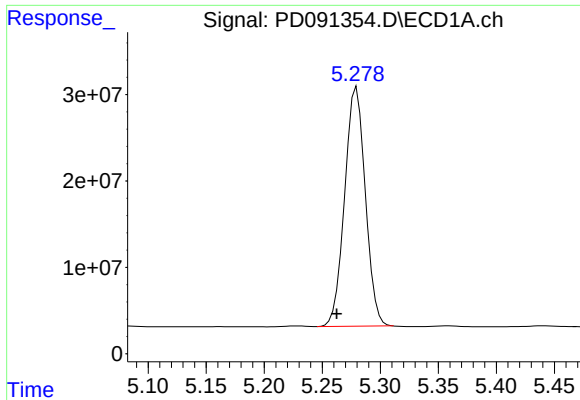
#4 Heptachlor

R.T.: 4.939 min  
Delta R.T.: 0.018 min  
Response: 342990933  
Conc: 47.89 ng/ml



#4 Heptachlor

R.T.: 4.071 min  
Delta R.T.: -0.002 min  
Response: 2842724853  
Conc: 51.49 ng/ml



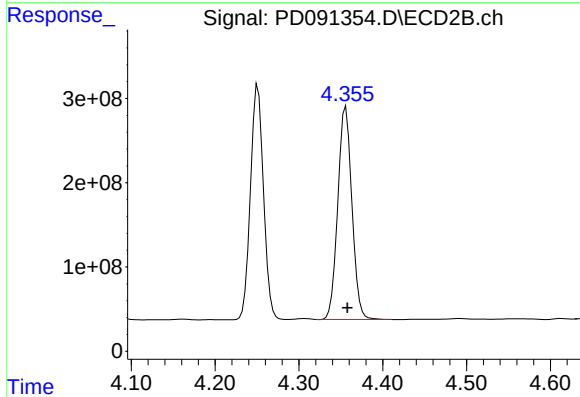
#5 Aldrin

R.T.: 5.280 min  
Delta R.T.: 0.017 min  
Response: 342789438  
Conc: 47.24 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
V933MS

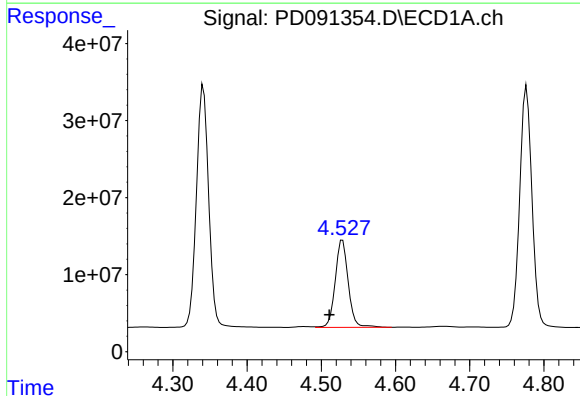
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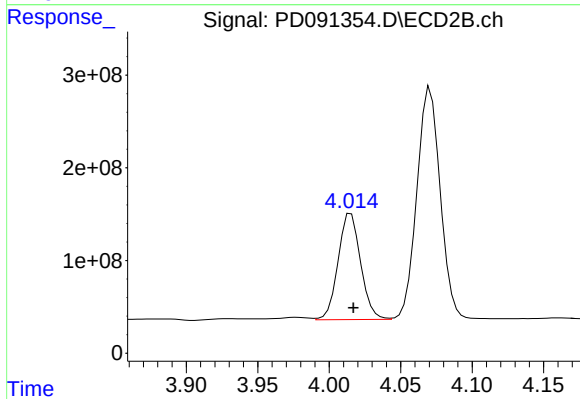
#5 Aldrin

R.T.: 4.356 min  
Delta R.T.: -0.002 min  
Response: 2952081727  
Conc: 52.29 ng/ml



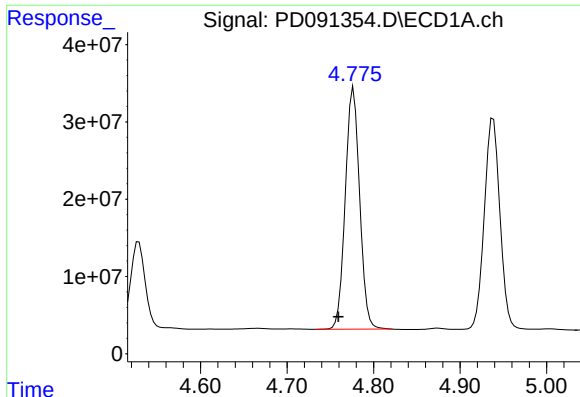
#6 beta-BHC

R.T.: 4.529 min  
Delta R.T.: 0.017 min  
Response: 138511095  
Conc: 47.67 ng/ml



#6 beta-BHC

R.T.: 4.015 min  
Delta R.T.: -0.002 min  
Response: 1255572055  
Conc: 52.26 ng/ml



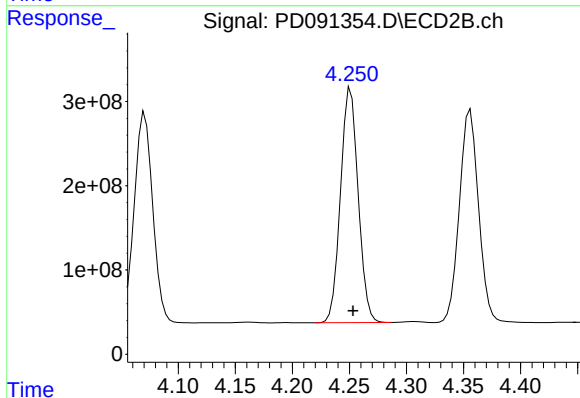
#7 delta-BHC

R.T.: 4.777 min  
Delta R.T.: 0.018 min  
Response: 358380267  
Conc: 48.22 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
V933MS

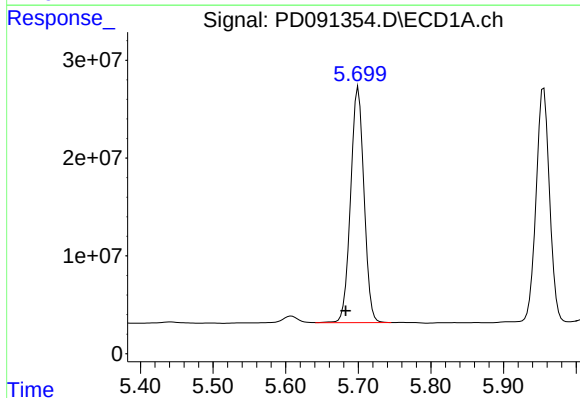
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Supervised By :mohammad ahmed 11/27/2025



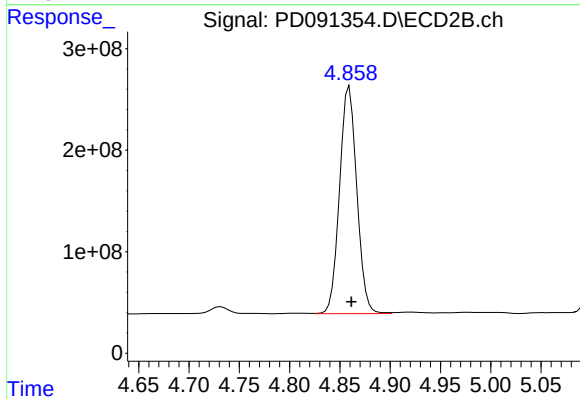
#7 delta-BHC

R.T.: 4.251 min  
Delta R.T.: -0.002 min  
Response: 3005058311  
Conc: 51.39 ng/ml



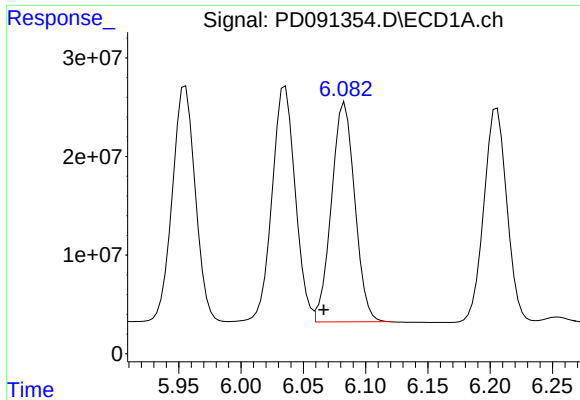
#8 Heptachlor epoxide

R.T.: 5.700 min  
Delta R.T.: 0.017 min  
Response: 308944805  
Conc: 47.55 ng/ml



#8 Heptachlor epoxide

R.T.: 4.859 min  
Delta R.T.: -0.002 min  
Response: 2669671886  
Conc: 52.39 ng/ml



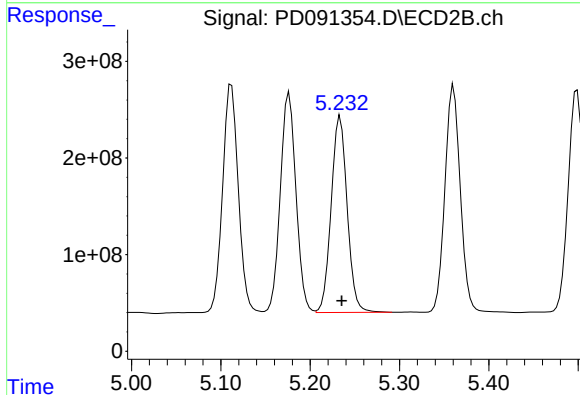
#9 Endosulfan I

R.T.: 6.083 min  
Delta R.T.: 0.017 min  
Response: 290296159  
Conc: 47.26 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
V933MS

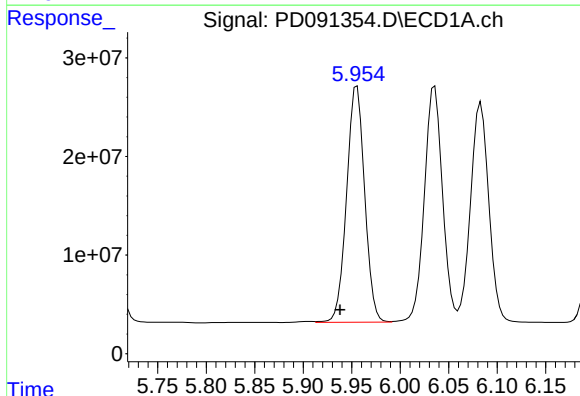
Manual Integrations  
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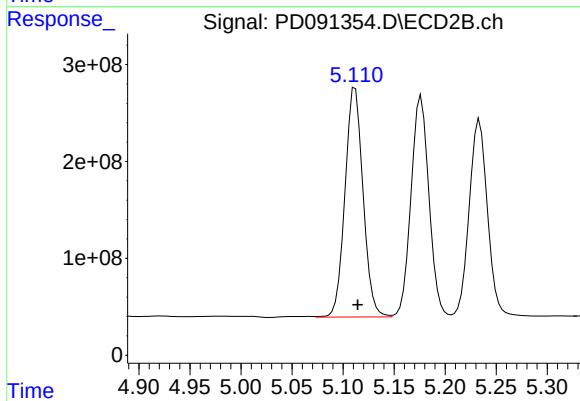
#9 Endosulfan I

R.T.: 5.234 min  
Delta R.T.: -0.002 min  
Response: 2528670820  
Conc: 52.84 ng/ml



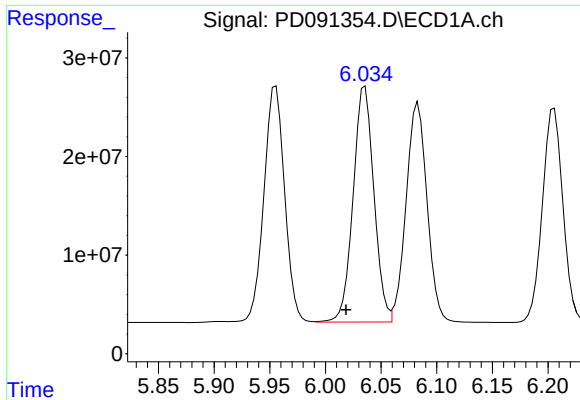
#10 gamma-Chlordane

R.T.: 5.955 min  
Delta R.T.: 0.018 min  
Response: 310216405  
Conc: 47.72 ng/ml



#10 gamma-Chlordane

R.T.: 5.112 min  
Delta R.T.: -0.003 min  
Response: 2912375220  
Conc: 53.31 ng/ml



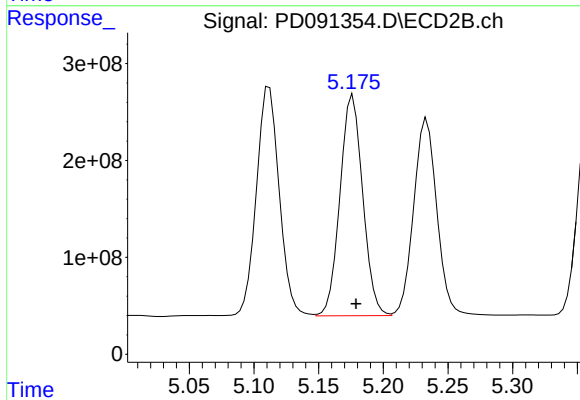
#11 alpha-Chlordane

R.T.: 6.036 min  
Delta R.T.: 0.017 min  
Response: 310479266  
Conc: 45.11 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
V933MS

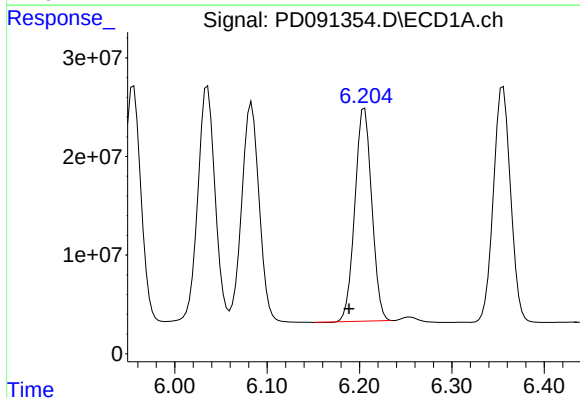
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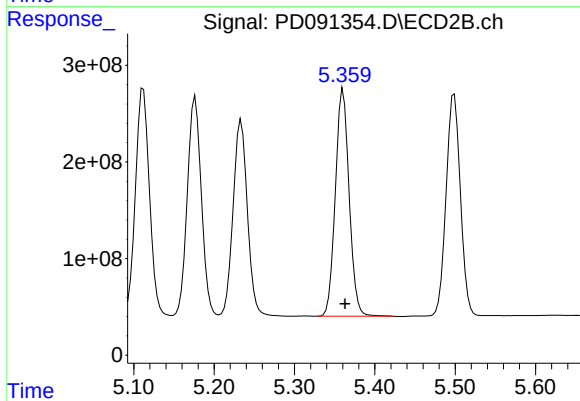
#11 alpha-Chlordane

R.T.: 5.177 min  
Delta R.T.: -0.002 min  
Response: 2780515919  
Conc: 53.13 ng/ml



#12 4,4'-DDE

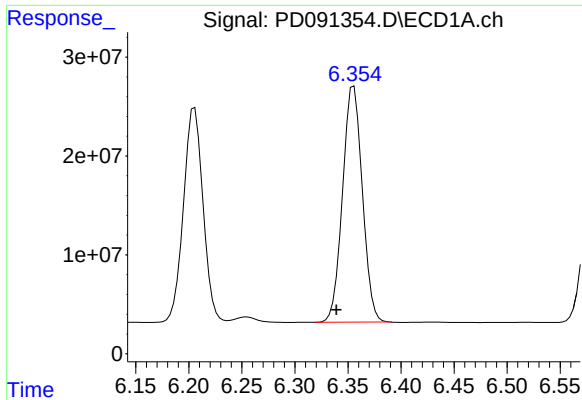
R.T.: 6.205 min  
Delta R.T.: 0.017 min  
Response: 274137340  
Conc: 47.27 ng/ml



#12 4,4'-DDE

R.T.: 5.361 min  
Delta R.T.: -0.002 min  
Response: 2803209067  
Conc: 52.45 ng/ml





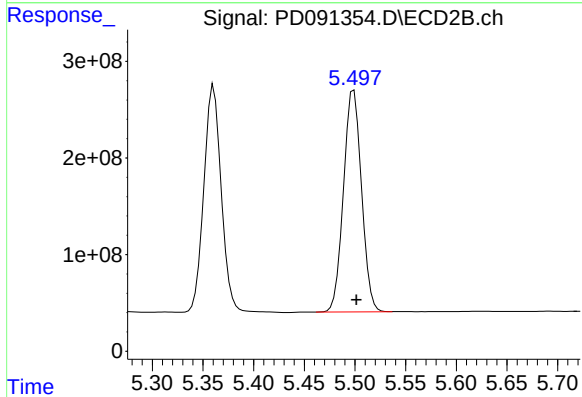
#13 Dieldrin

R.T.: 6.356 min  
Delta R.T.: 0.016 min  
Response: 308967460  
Conc: 47.79 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
V933MS

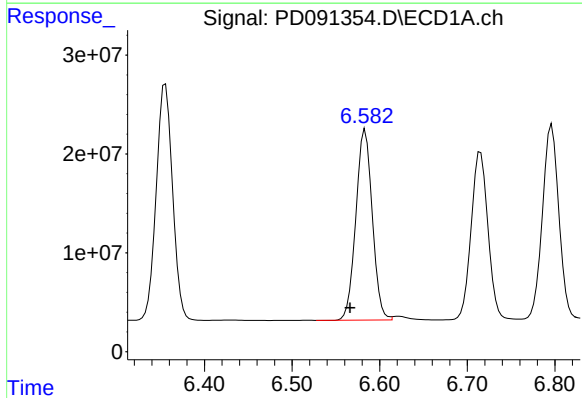
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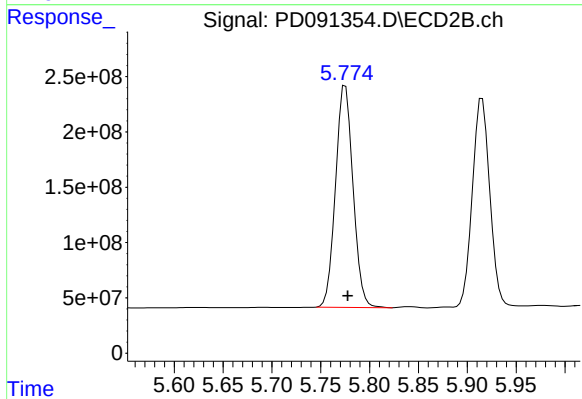
#13 Dieldrin

R.T.: 5.499 min  
Delta R.T.: -0.002 min  
Response: 2837880371  
Conc: 52.25 ng/ml



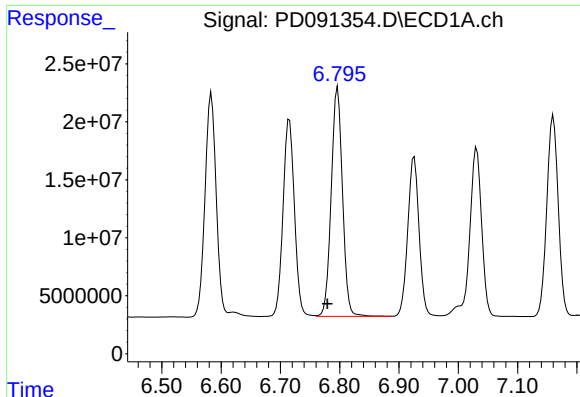
#14 Endrin

R.T.: 6.583 min  
Delta R.T.: 0.017 min  
Response: 251099804  
Conc: 50.59 ng/ml



#14 Endrin

R.T.: 5.775 min  
Delta R.T.: -0.002 min  
Response: 2505203384  
Conc: 55.43 ng/ml



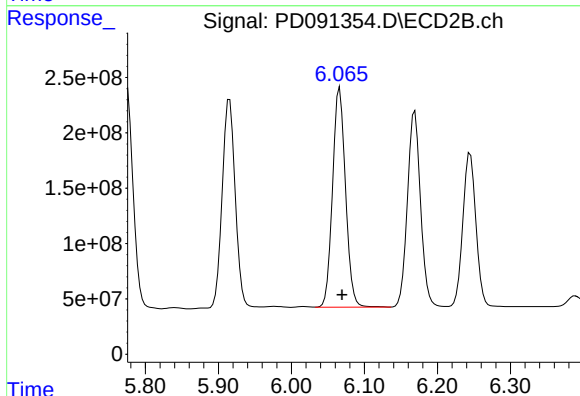
#15 Endosulfan II

R.T.: 6.797 min  
Delta R.T.: 0.017 min  
Response: 260461801  
Conc: 46.85 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
V933MS

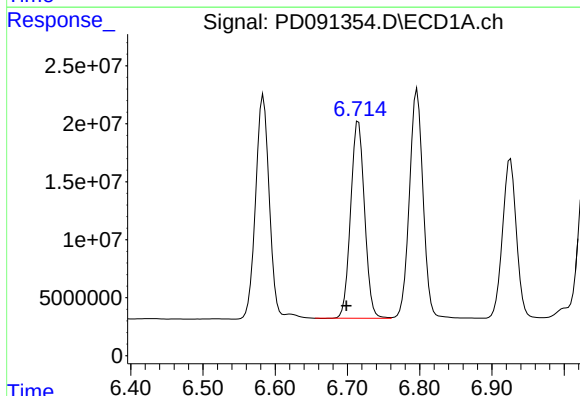
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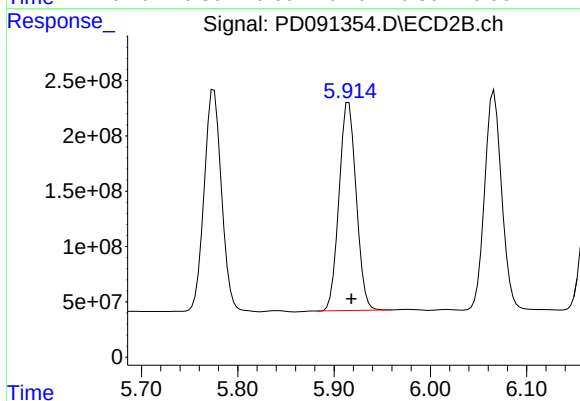
#15 Endosulfan II

R.T.: 6.066 min  
Delta R.T.: -0.003 min  
Response: 2451597413  
Conc: 52.52 ng/ml



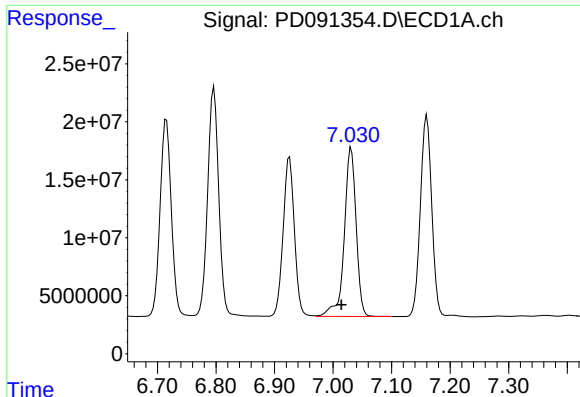
#16 4,4'-DDD

R.T.: 6.715 min  
Delta R.T.: 0.017 min  
Response: 226633229  
Conc: 46.14 ng/ml



#16 4,4'-DDD

R.T.: 5.915 min  
Delta R.T.: -0.003 min  
Response: 2325186694  
Conc: 47.58 ng/ml



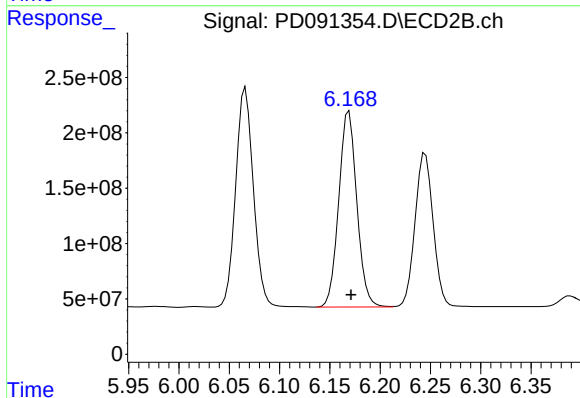
#17 4,4'-DDT

R.T.: 7.031 min  
Delta R.T.: 0.017 min  
Response: 204768634  
Conc: 49.51 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
V933MS

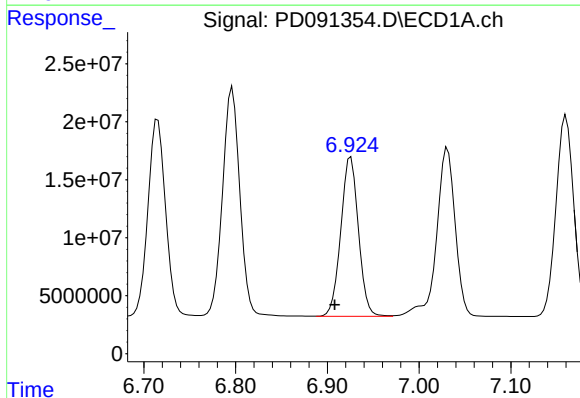
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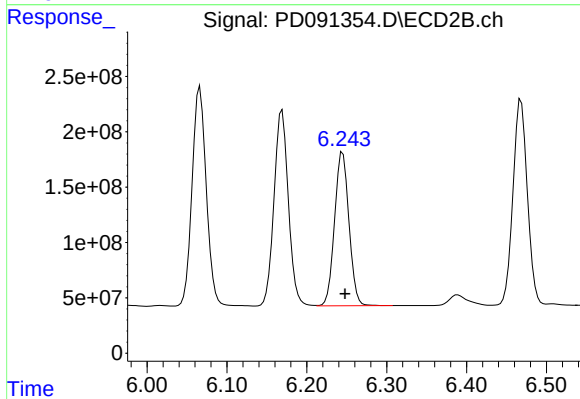
#17 4,4'-DDT

R.T.: 6.169 min  
Delta R.T.: -0.002 min  
Response: 2210024736  
Conc: 56.48 ng/ml



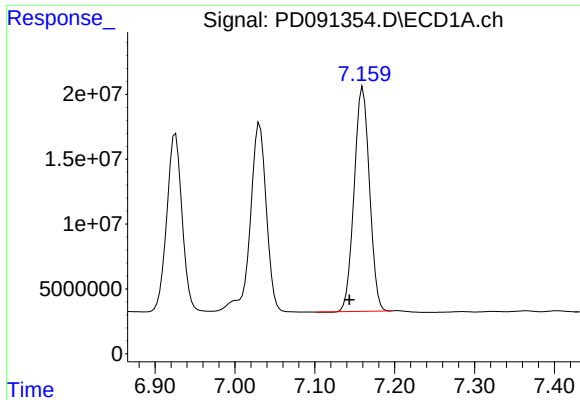
#18 Endrin aldehyde

R.T.: 6.926 min  
Delta R.T.: 0.018 min  
Response: 183466307  
Conc: 44.04 ng/ml



#18 Endrin aldehyde

R.T.: 6.245 min  
Delta R.T.: -0.003 min  
Response: 1737323948  
Conc: 49.23 ng/ml



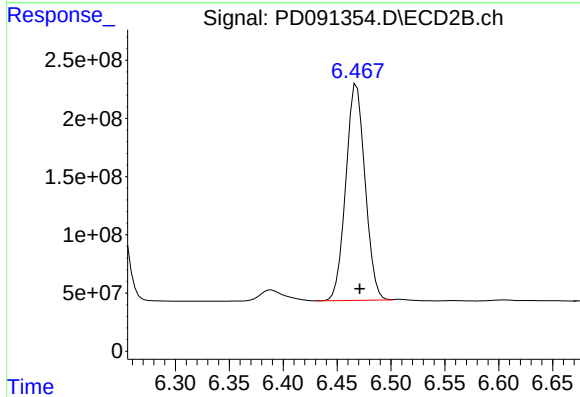
#19 Endosulfan Sulfate

R.T.: 7.160 min  
Delta R.T.: 0.017 min  
Response: 230813176  
Conc: 44.86 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
V933MS

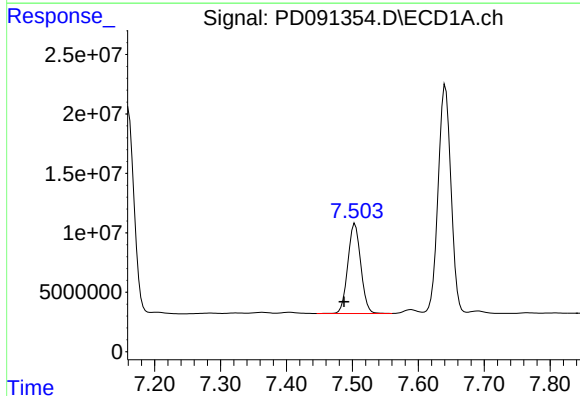
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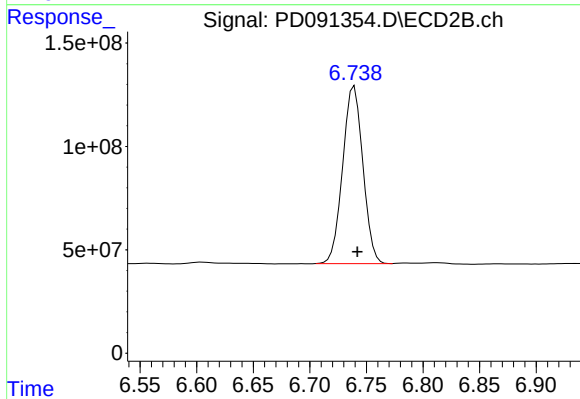
#19 Endosulfan Sulfate

R.T.: 6.468 min  
Delta R.T.: -0.003 min  
Response: 2315937273  
Conc: 51.65 ng/ml



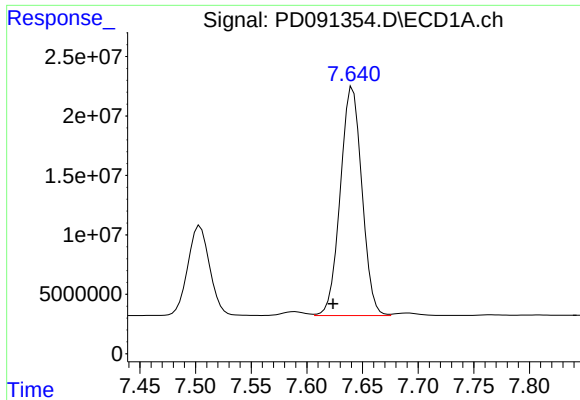
#20 Methoxychlor

R.T.: 7.504 min  
Delta R.T.: 0.017 min  
Response: 103264539  
Conc: 47.49 ng/ml



#20 Methoxychlor

R.T.: 6.739 min  
Delta R.T.: -0.003 min  
Response: 1066645126  
Conc: 53.20 ng/ml



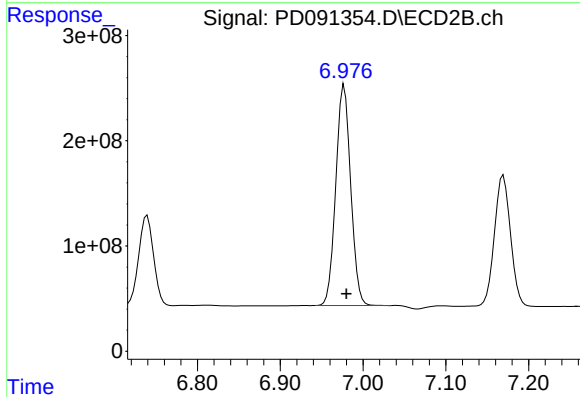
#21 Endrin ketone

R.T.: 7.641 min  
Delta R.T.: 0.017 min  
Response: 259971760  
Conc: 46.15 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
V933MS

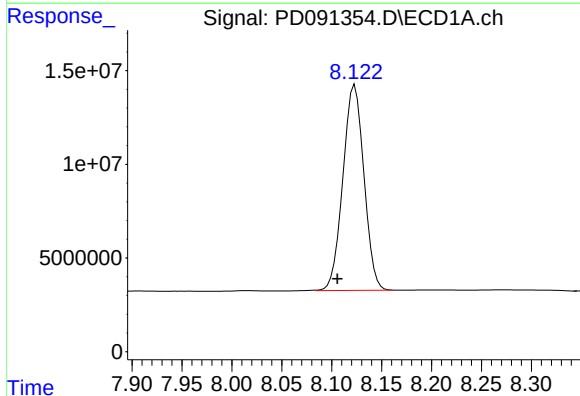
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/26/2025  
Supervised By :mohammad ahmed 11/27/2025



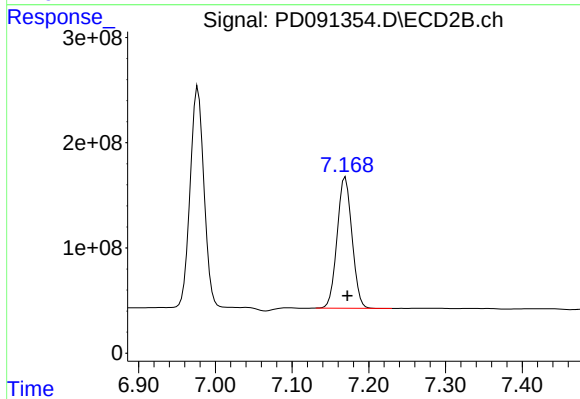
#21 Endrin ketone

R.T.: 6.977 min  
Delta R.T.: -0.003 min  
Response: 2623969179  
Conc: 51.49 ng/ml



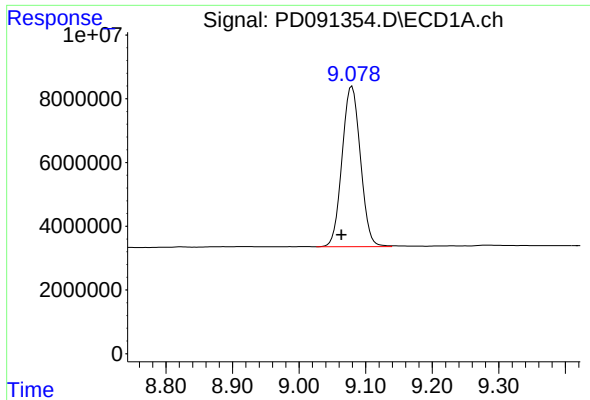
#22 Mirex

R.T.: 8.122 min  
Delta R.T.: 0.016 min  
Response: 160610185  
Conc: 45.15 ng/ml m



#22 Mirex

R.T.: 7.170 min  
Delta R.T.: -0.003 min  
Response: 1677284773  
Conc: 50.61 ng/ml



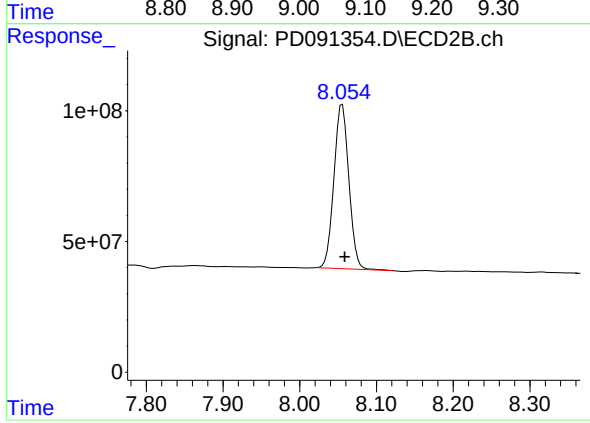
#28 Decachlorobiphenyl

R.T.: 9.079 min  
Delta R.T.: 0.016 min  
Response: 96418274  
Conc: 19.35 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
V933MS

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/26/2025  
Supervised By :mohammad ahmed 11/27/2025



#28 Decachlorobiphenyl

R.T.: 8.055 min  
Delta R.T.: -0.003 min  
Response: 848580957  
Conc: 21.44 ng/ml