

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD120125\
 Data File : PD091412.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Dec 2025 14:07
 Operator : AR\AJ
 Sample : Q3735-01MSD 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 BU-3-112625MSD

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 02:13:35 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...	3.540	2.872	7353277	83695675	2.132m	2.285
2) SA Decachlor...	9.058	8.054	7311819	43428177	1.468	1.097 #
Target Compounds						
2) A alpha-BHC	3.989	3.383	34987461	345.0E6	4.376	5.459
3) MA gamma-BHC...	4.318	3.718	34316313	316.9E6	4.592m	5.481
4) MA Heptachlor	4.916	4.070	31285014	278.5E6	4.368m	5.045
5) MB Aldrin	5.258	4.355	32787320	310.3E6	4.518	5.496
6) B beta-BHC	4.508	4.015	16057595	138.6E6	5.527	5.770
7) B delta-BHC	4.756	4.251	34994333	306.9E6	4.709	5.248
8) B Heptachlo...	5.679	4.859	33133859	286.4E6	5.100	5.621
9) A Endosulfan I	6.063	5.233	29238638	250.3E6	4.760	5.231
10) B gamma-Chl...	5.933	5.111	30607880	339.5E6	4.708m	6.216 #
11) B alpha-Chl...	6.016	5.176	39691849	297.1E6	5.767	5.677
12) B 4,4'-DDE	6.185	5.360	44048271	473.8E6	7.595	8.866
13) MA Dieldrin	6.335	5.498	28188027	296.0E6	4.360	5.451 #
14) MA Endrin	6.562	5.776	23693048	329.1E6	4.773	7.281 #
15) B Endosulfa...	6.775	6.066	25396366	230.6E6	4.568	4.940
16) A 4,4'-DDD	6.695	5.915	28949893	310.4E6	5.894	6.351
17) MA 4,4'-DDT	7.009	6.168	21187125	231.4E6	5.123m	5.913
18) B Endrin al...	6.905	6.244	18320504	150.4E6	4.398	4.261
19) B Endosulfa...	7.139	6.467	21908384	204.7E6	4.258	4.565
20) A Methoxychlor	7.484	6.738	8934019	79096680	4.109	3.945
21) B Endrin ke...	7.620	6.977	23762213	208.5E6	4.218	4.091
22) Mirex	8.102	7.169	16174950	135.4E6	4.547	4.085

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD120125\
Data File : PD091412.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Dec 2025 14:07
Operator : AR\AJ
Sample : Q3735-01MSD 10X
Misc :
ALS Vial : 13 Sample Multiplier: 1

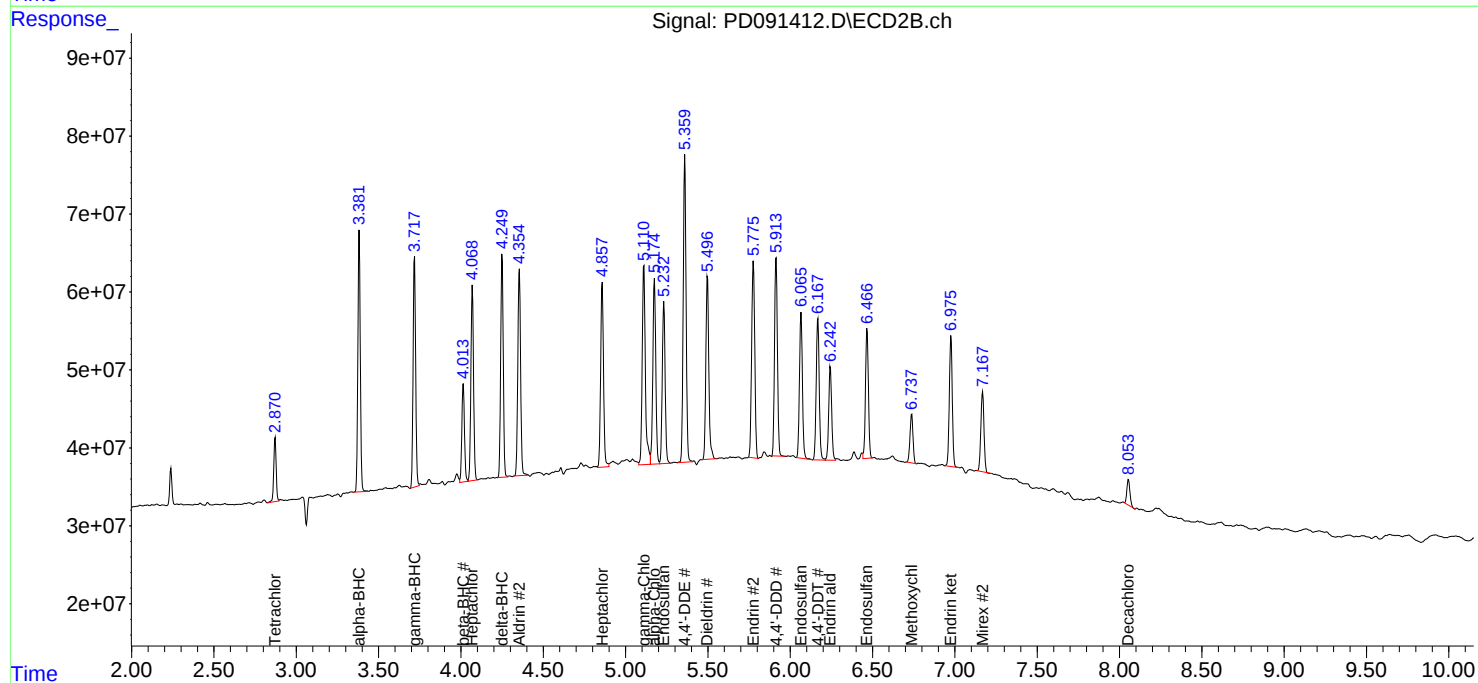
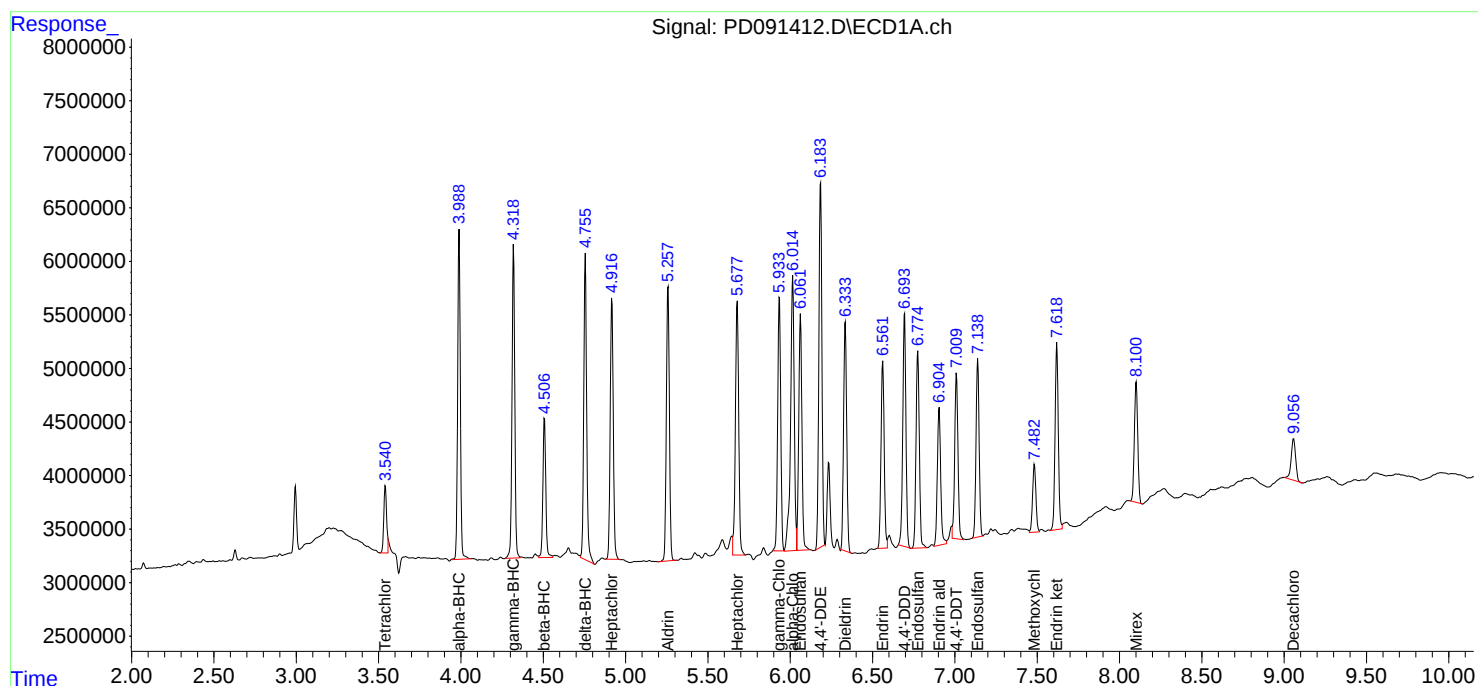
Instrument :
ECD_D
ClientSampleId :
BU-3-112625MSD

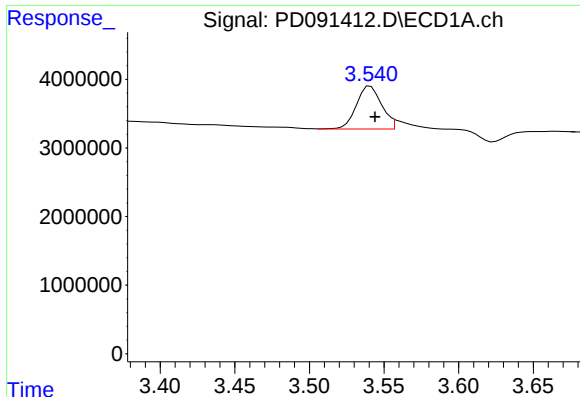
Manual Integrations
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Reviewed By :Abdul Mirza 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 02 02:13:35 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





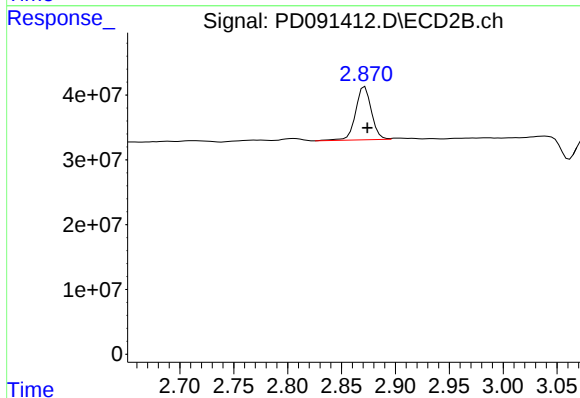
#1 Tetrachloro-m-xylene

R.T.: 3.540 min
Delta R.T.: -0.004 min
Response: 7353277
Conc: 2.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
BU-3-112625MSD

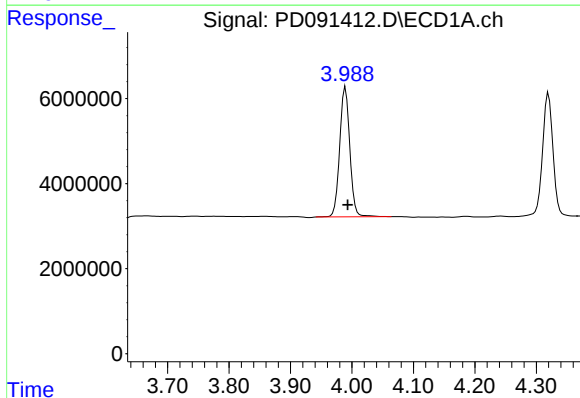
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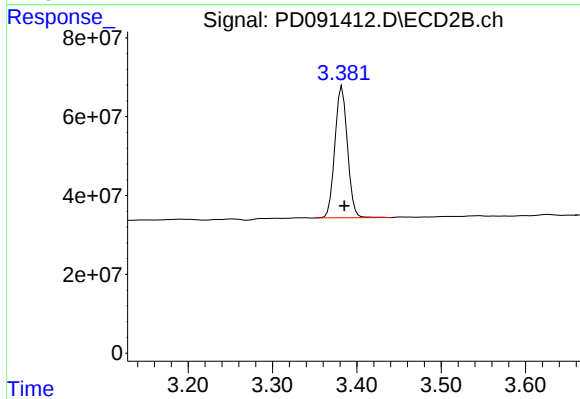
#1 Tetrachloro-m-xylene

R.T.: 2.872 min
Delta R.T.: -0.002 min
Response: 83695675
Conc: 2.28 ng/ml



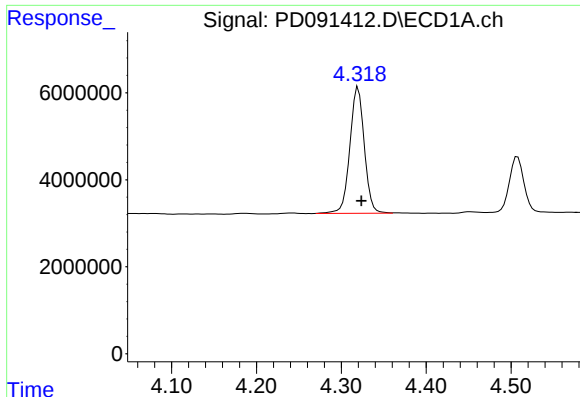
#2 alpha-BHC

R.T.: 3.989 min
Delta R.T.: -0.004 min
Response: 34987461
Conc: 4.38 ng/ml



#2 alpha-BHC

R.T.: 3.383 min
Delta R.T.: -0.003 min
Response: 344995251
Conc: 5.46 ng/ml



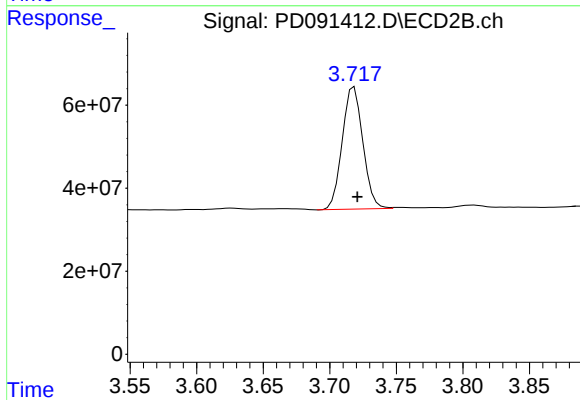
#3 gamma-BHC (Lindane)

R.T.: 4.318 min
Delta R.T.: -0.005 min
Response: 34316313
Conc: 4.59 ng/ml

Instrument :
ECD_D
ClientSampleId :
BU-3-112625MSD

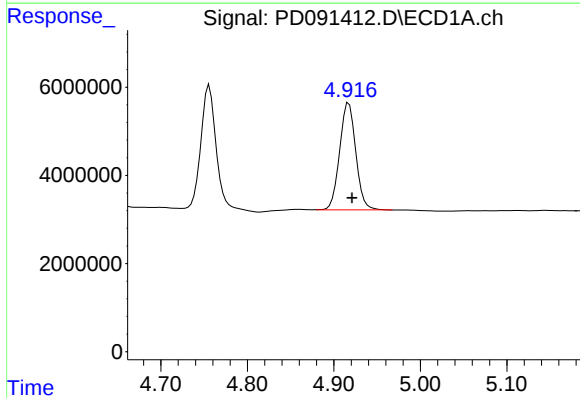
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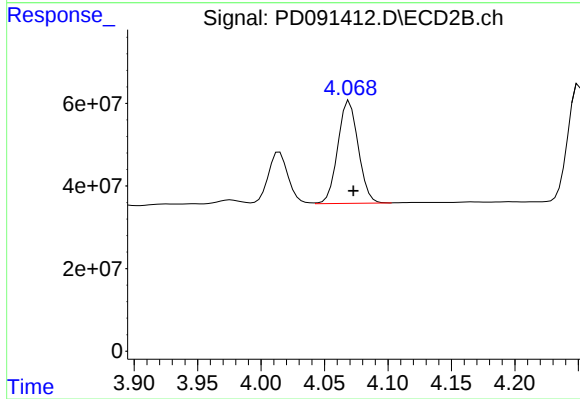
#3 gamma-BHC (Lindane)

R.T.: 3.718 min
Delta R.T.: -0.003 min
Response: 316939000
Conc: 5.48 ng/ml



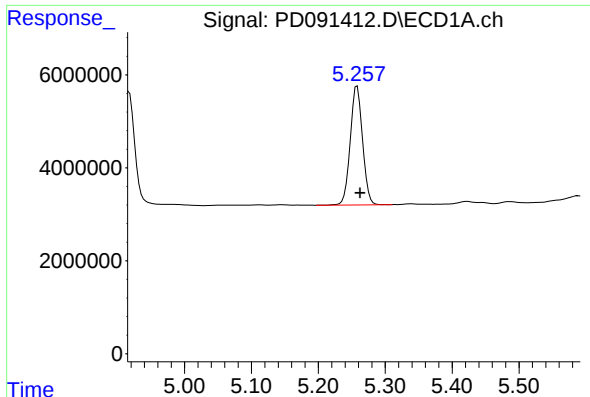
#4 Heptachlor

R.T.: 4.916 min
Delta R.T.: -0.005 min
Response: 31285014
Conc: 4.37 ng/ml m



#4 Heptachlor

R.T.: 4.070 min
Delta R.T.: -0.003 min
Response: 278528837
Conc: 5.04 ng/ml



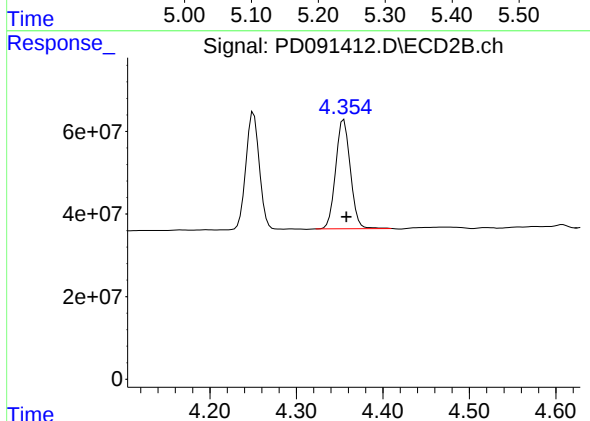
#5 Aldrin

R.T.: 5.258 min
Delta R.T.: -0.004 min
Response: 32787320
Conc: 4.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
BU-3-112625MSD

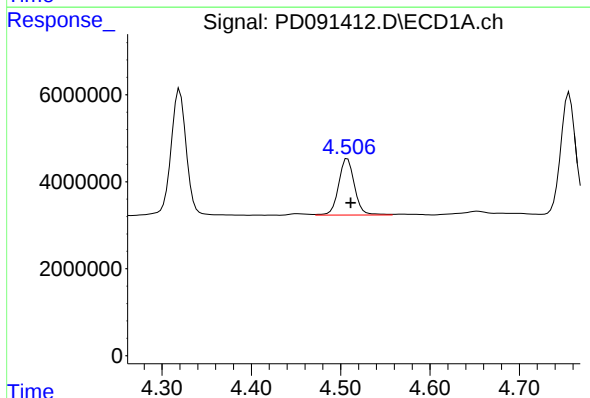
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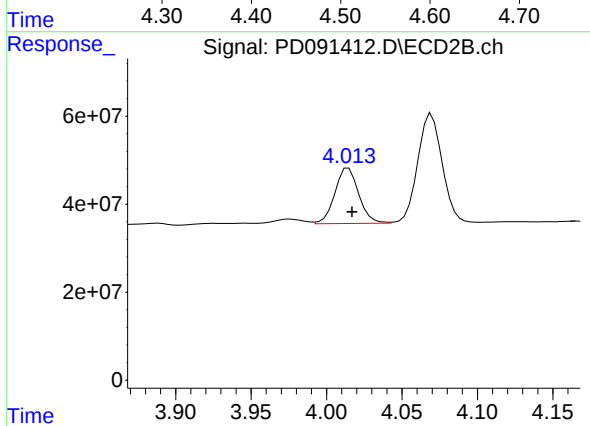
#5 Aldrin

R.T.: 4.355 min
Delta R.T.: -0.003 min
Response: 310312476
Conc: 5.50 ng/ml



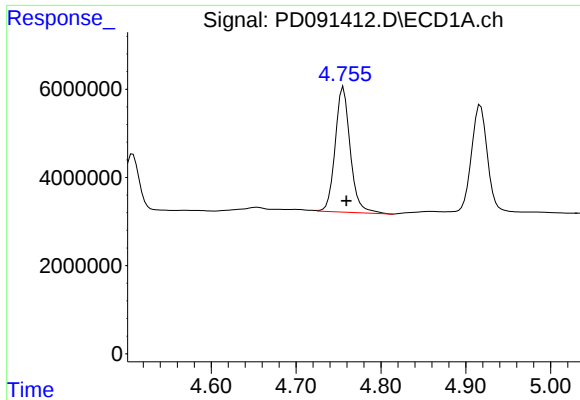
#6 beta-BHC

R.T.: 4.508 min
Delta R.T.: -0.003 min
Response: 16057595
Conc: 5.53 ng/ml



#6 beta-BHC

R.T.: 4.015 min
Delta R.T.: -0.002 min
Response: 138644836
Conc: 5.77 ng/ml



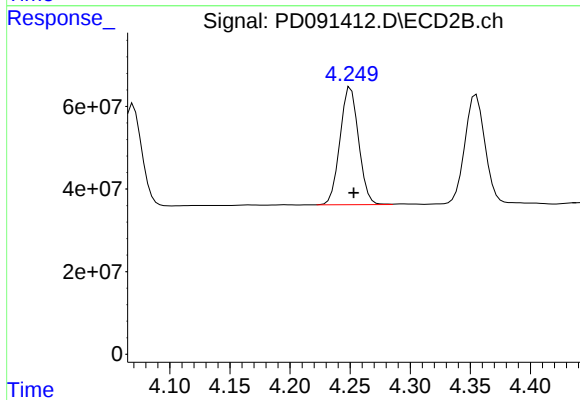
#7 delta-BHC

R.T.: 4.756 min
Delta R.T.: -0.003 min
Response: 34994333
Conc: 4.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
BU-3-112625MSD

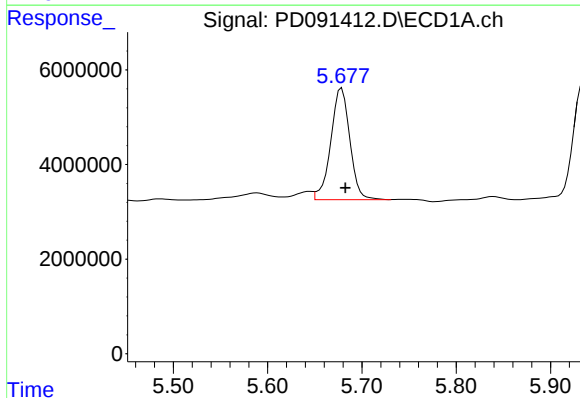
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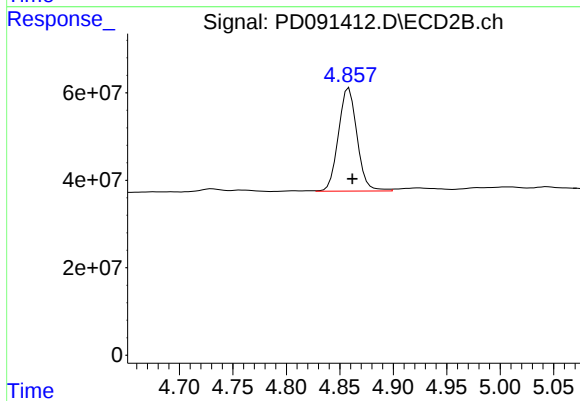
#7 delta-BHC

R.T.: 4.251 min
Delta R.T.: -0.003 min
Response: 306875072
Conc: 5.25 ng/ml



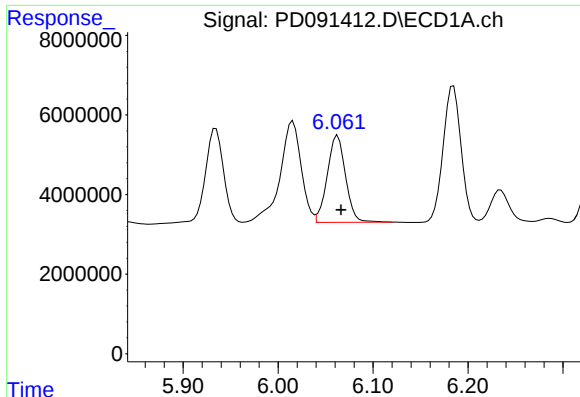
#8 Heptachlor epoxide

R.T.: 5.679 min
Delta R.T.: -0.004 min
Response: 33133859
Conc: 5.10 ng/ml



#8 Heptachlor epoxide

R.T.: 4.859 min
Delta R.T.: -0.003 min
Response: 286418081
Conc: 5.62 ng/ml



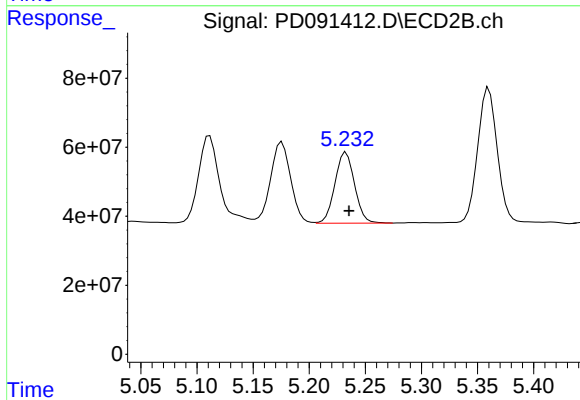
#9 Endosulfan I

R.T.: 6.063 min
Delta R.T.: -0.004 min
Response: 29238638
Conc: 4.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
BU-3-112625MSD

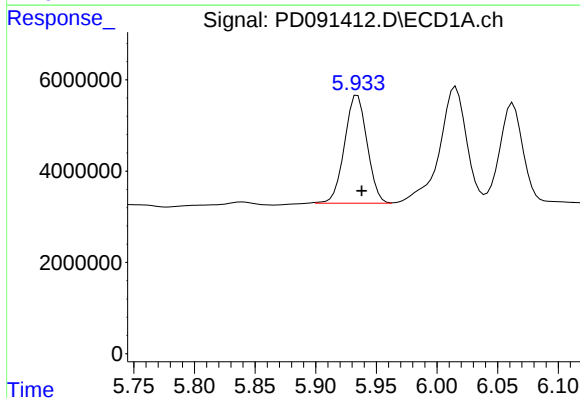
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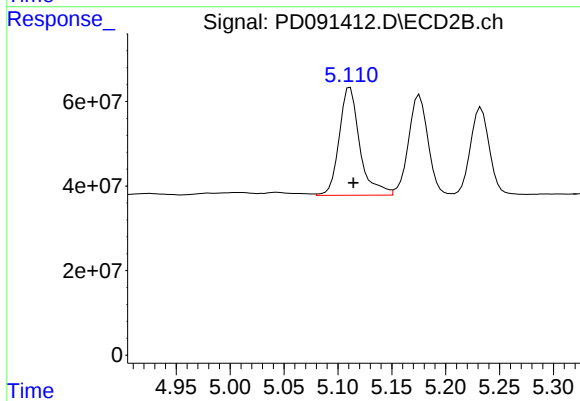
#9 Endosulfan I

R.T.: 5.233 min
Delta R.T.: -0.003 min
Response: 250312051
Conc: 5.23 ng/ml



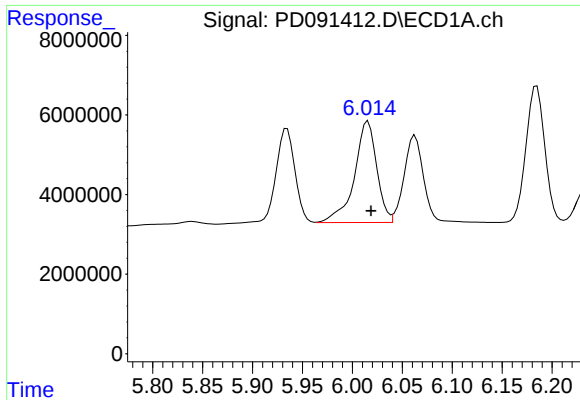
#10 gamma-Chlordane

R.T.: 5.933 min
Delta R.T.: -0.005 min
Response: 30607880
Conc: 4.71 ng/ml m



#10 gamma-Chlordane

R.T.: 5.111 min
Delta R.T.: -0.003 min
Response: 339544922
Conc: 6.22 ng/ml



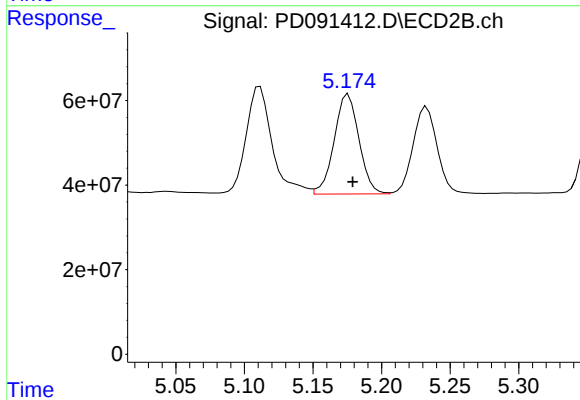
#11 alpha-Chlordane

R.T.: 6.016 min
Delta R.T.: -0.003 min
Response: 39691849
Conc: 5.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
BU-3-112625MSD

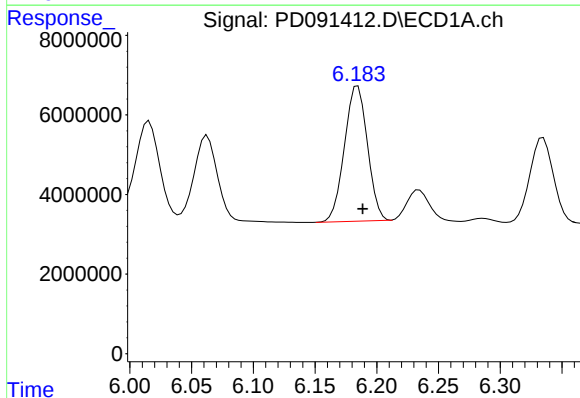
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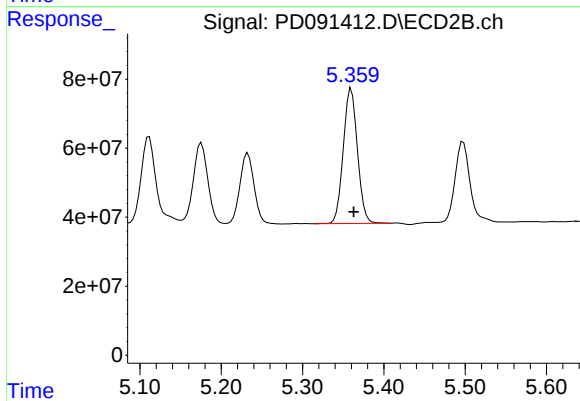
#11 alpha-Chlordane

R.T.: 5.176 min
Delta R.T.: -0.003 min
Response: 297101024
Conc: 5.68 ng/ml



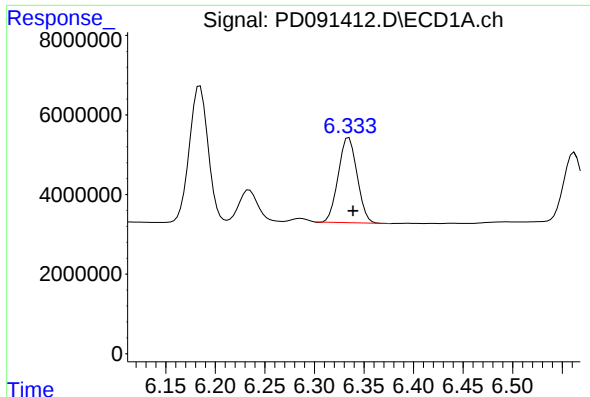
#12 4,4'-DDE

R.T.: 6.185 min
Delta R.T.: -0.004 min
Response: 44048271
Conc: 7.60 ng/ml



#12 4,4'-DDE

R.T.: 5.360 min
Delta R.T.: -0.003 min
Response: 473841744
Conc: 8.87 ng/ml



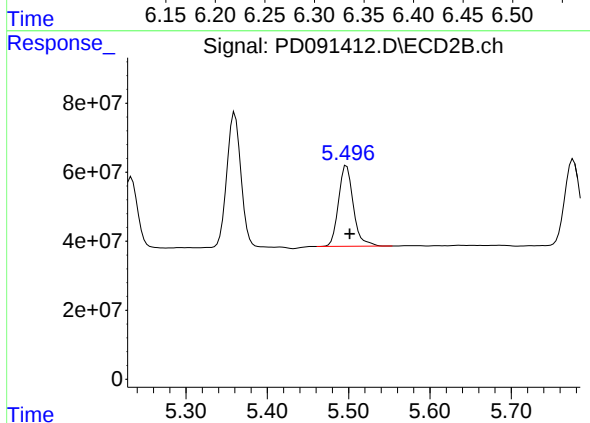
#13 Dieldrin

R.T.: 6.335 min
Delta R.T.: -0.004 min
Response: 28188027
Conc: 4.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
BU-3-112625MSD

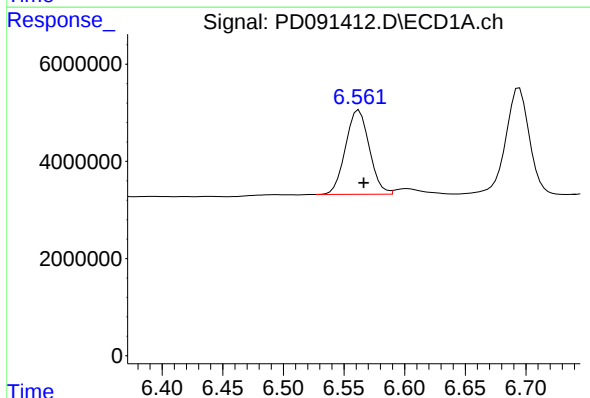
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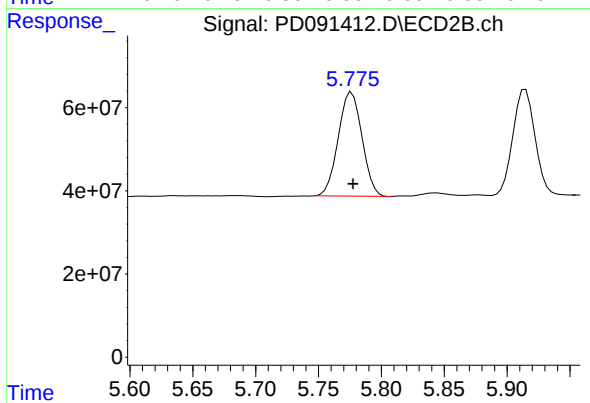
#13 Dieldrin

R.T.: 5.498 min
Delta R.T.: -0.004 min
Response: 296029290
Conc: 5.45 ng/ml



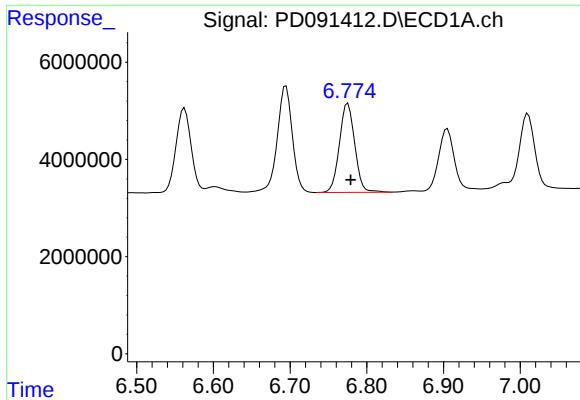
#14 Endrin

R.T.: 6.562 min
Delta R.T.: -0.004 min
Response: 23693048
Conc: 4.77 ng/ml



#14 Endrin

R.T.: 5.776 min
Delta R.T.: -0.001 min
Response: 329065186
Conc: 7.28 ng/ml



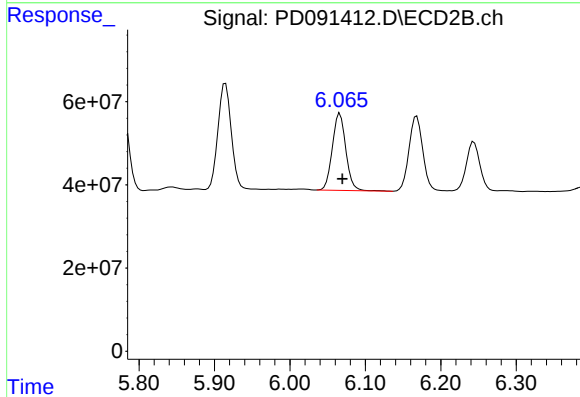
#15 Endosulfan II

R.T.: 6.775 min
Delta R.T.: -0.004 min
Response: 25396366
Conc: 4.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
BU-3-112625MSD

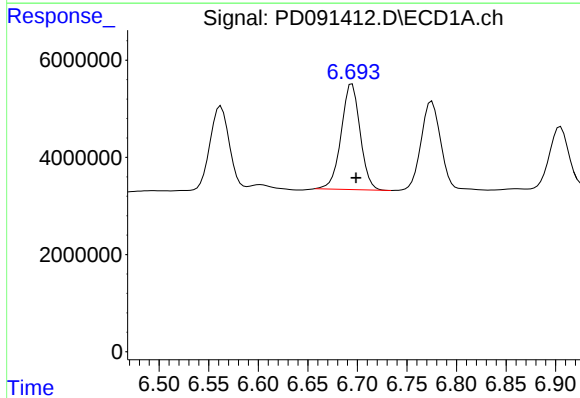
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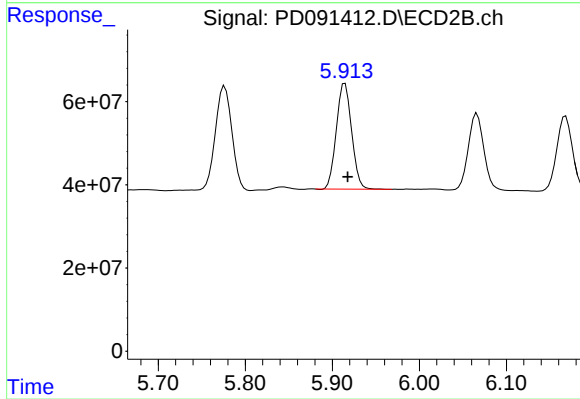
#15 Endosulfan II

R.T.: 6.066 min
Delta R.T.: -0.003 min
Response: 230612679
Conc: 4.94 ng/ml



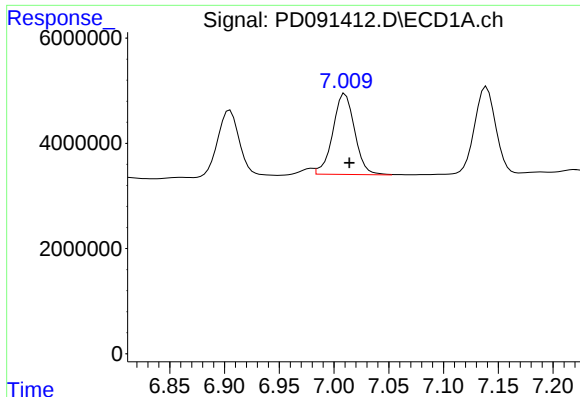
#16 4,4'-DDD

R.T.: 6.695 min
Delta R.T.: -0.004 min
Response: 28949893
Conc: 5.89 ng/ml



#16 4,4'-DDD

R.T.: 5.915 min
Delta R.T.: -0.003 min
Response: 310351380
Conc: 6.35 ng/ml



#17 4,4'-DDT

R.T.: 7.009 min
Delta R.T.: -0.006 min
Response: 21187125
Conc: 5.12 ng/ml

Instrument :
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#17 4,4'-DDT

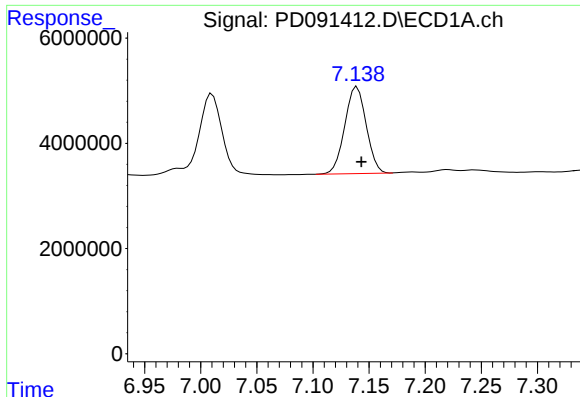
R.T.: 6.168 min
Delta R.T.: -0.003 min
Response: 231377677
Conc: 5.91 ng/ml

#18 Endrin aldehyde

R.T.: 6.905 min
Delta R.T.: -0.003 min
Response: 18320504
Conc: 4.40 ng/ml

#18 Endrin aldehyde

R.T.: 6.244 min
Delta R.T.: -0.004 min
Response: 150360173
Conc: 4.26 ng/ml



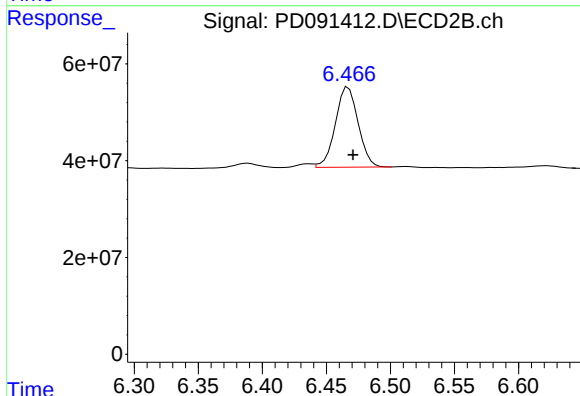
#19 Endosulfan Sulfate

R.T.: 7.139 min
Delta R.T.: -0.004 min
Response: 21908384
Conc: 4.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
BU-3-112625MSD

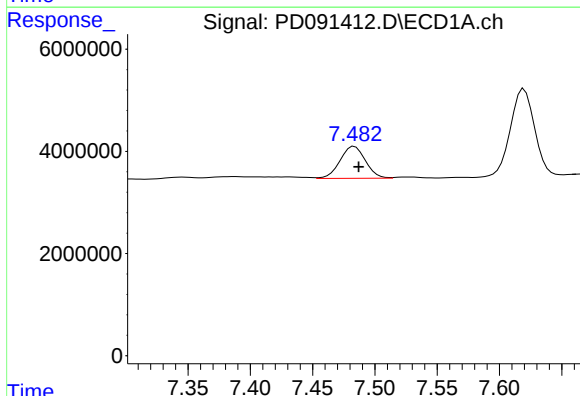
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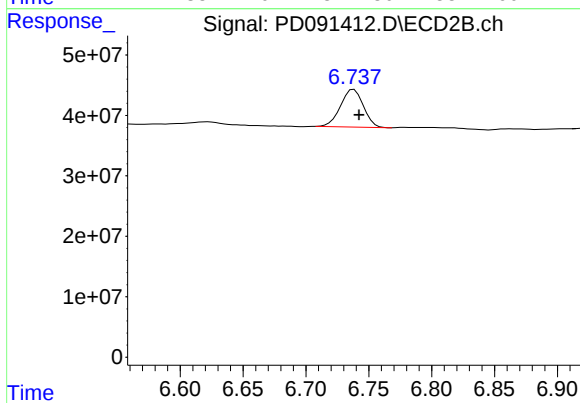
#19 Endosulfan Sulfate

R.T.: 6.467 min
Delta R.T.: -0.004 min
Response: 204675946
Conc: 4.57 ng/ml



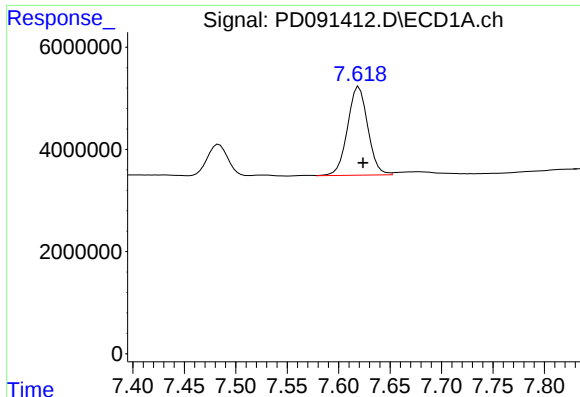
#20 Methoxychlor

R.T.: 7.484 min
Delta R.T.: -0.004 min
Response: 8934019
Conc: 4.11 ng/ml



#20 Methoxychlor

R.T.: 6.738 min
Delta R.T.: -0.004 min
Response: 79096680
Conc: 3.94 ng/ml



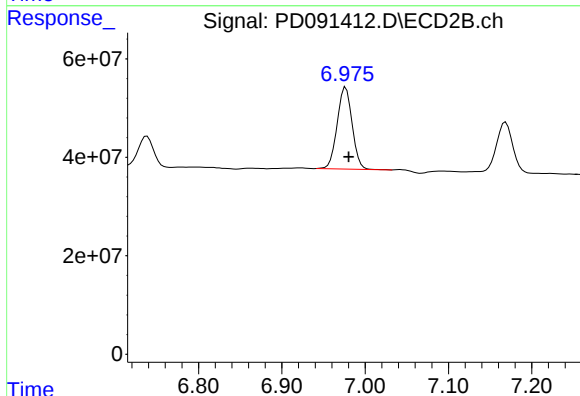
#21 Endrin ketone

R.T.: 7.620 min
Delta R.T.: -0.004 min
Response: 23762213
Conc: 4.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
BU-3-112625MSD

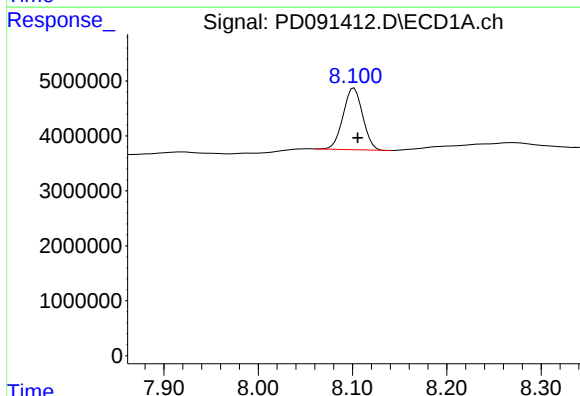
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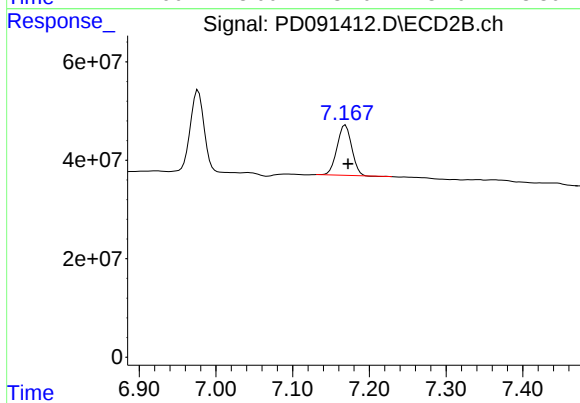
#21 Endrin ketone

R.T.: 6.977 min
Delta R.T.: -0.003 min
Response: 208451098
Conc: 4.09 ng/ml



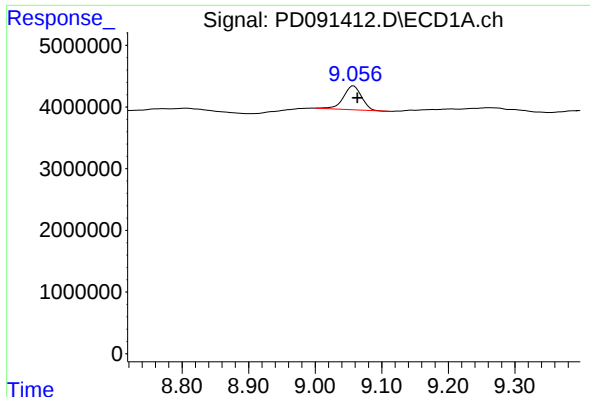
#22 Mirex

R.T.: 8.102 min
Delta R.T.: -0.004 min
Response: 16174950
Conc: 4.55 ng/ml



#22 Mirex

R.T.: 7.169 min
Delta R.T.: -0.004 min
Response: 135363737
Conc: 4.08 ng/ml



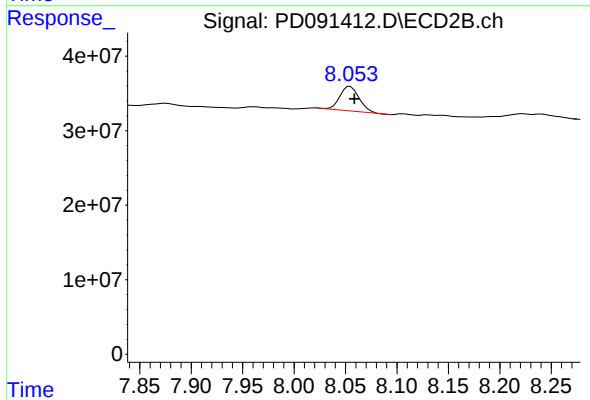
#28 Decachlorobiphenyl

R.T.: 9.058 min
Delta R.T.: -0.006 min
Response: 7311819
Conc: 1.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
BU-3-112625MSD

Manual Integrations
APPROVED

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



#28 Decachlorobiphenyl

R.T.: 8.054 min
Delta R.T.: -0.004 min
Response: 43428177
Conc: 1.10 ng/ml