

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD092318\  
 Data File : PD049413.D  
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
 Acq On : 22 Sep 2018 15:16  
 Operator : AJ\SJ  
 Sample : J4778-02MSD  
 Misc :  
 ALS Vial : 69 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 SA-01-091918MSD

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Sep 24 02:06:32 2018  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD092318.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 24 01:44:23 2018  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2 µl  
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
 Signal #1 Info : 30M x 0.32mm x 0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml    | ng/ml      |
|-----------------------------|-----------------|-------|-------|----------|----------|----------|------------|
| -----                       |                 |       |       |          |          |          |            |
| System Monitoring Compounds |                 |       |       |          |          |          |            |
| 1)                          | SA Tetrachlo... | 3.295 | 3.912 | 18036999 | 180.8E6  | 17.950   | 20.136     |
| 28)                         | SA Decachlor... | 7.949 | 8.900 | 20196406 | 68263386 | 18.678   | 20.252     |
| Target Compounds            |                 |       |       |          |          |          |            |
| 2)                          | A alpha-BHC     | 3.721 | 4.289 | 77261139 | 690.1E6  | 47.500   | 52.705     |
| 3)                          | MA gamma-BHC... | 3.995 | 4.567 | 70163461 | 615.6E6  | 45.632   | 51.230     |
| 4)                          | MA Heptachlor   | 4.278 | 5.075 | 66016383 | 527.8E6  | 44.223   | 56.306 #   |
| 5)                          | MB Aldrin       | 4.515 | 5.376 | 63824532 | 551.8E6  | 44.314   | 51.899     |
| 6)                          | B beta-BHC      | 4.241 | 4.728 | 29533490 | 243.2E6  | 46.740   | 51.666     |
| 7)                          | B delta-BHC     | 4.435 | 4.941 | 72748775 | 560.9E6  | 47.871   | 53.452     |
| 8)                          | B Heptachlo...  | 4.949 | 5.754 | 62428497 | 516.8E6  | 45.706   | 52.908     |
| 9)                          | A Endosulfan I  | 5.278 | 6.106 | 57709765 | 450.9E6  | 44.828   | 51.522     |
| 10)                         | B gamma-Chl...  | 5.169 | 5.986 | 63627018 | 490.2E6  | 45.255   | 52.256     |
| 11)                         | B alpha-Chl...  | 5.226 | 6.059 | 62427957 | 480.4E6  | 45.373   | 52.083     |
| 12)                         | B 4,4'-DDE      | 5.394 | 6.215 | 60037449 | 348.2E6  | 45.478   | 50.411     |
| 13)                         | MA Dieldrin     | 5.516 | 6.359 | 66403502 | 493.3E6  | 47.188   | 52.675     |
| 14)                         | MA Endrin       | 5.768 | 6.573 | 59959623 | 399.3E6  | 47.707   | 54.966     |
| 15)                         | B Endosulfa...  | 6.040 | 6.775 | 59253633 | 376.0E6  | 46.740   | 52.194     |
| 16)                         | A 4,4'-DDD      | 5.902 | 6.694 | 52393056 | 232.3E6  | 47.105   | 53.316     |
| 17)                         | MA 4,4'-DDT     | 6.137 | 6.993 | 53815317 | 247.8E6  | 46.449   | 53.641     |
| 18)                         | B Endrin al...  | 6.209 | 6.897 | 49053743 | 291.2E6  | 45.231   | 52.639     |
| 19)                         | B Endosulfa...  | 6.418 | 7.119 | 54725754 | 297.3E6  | 46.633   | 53.645     |
| 20)                         | A Methoxychlor  | 6.685 | 7.447 | 27035707 | 84348811 | 48.597   | 59.225     |
| 21)                         | B Endrin ke...  | 6.901 | 7.582 | 65129432 | 352.0E6  | 47.566   | 55.005     |
| 23)                         | Chlordane-1     | 0.000 | 4.941 | 0        | 560.9E6  | N.D.     | 1323.852 # |
| 24)                         | Chlordane-2     | 0.000 | 5.376 | 0        | 551.8E6  | N.D.     | 1333.473 # |
| 25)                         | Chlordane-3     | 5.169 | 5.986 | 63627018 | 490.2E6  | 388.230  | 364.746    |
| 26)                         | Chlordane-4     | 5.226 | 6.059 | 62427957 | 480.4E6  | 410.645  | 305.588 #  |
| 27)                         | Chlordane-5     | 6.040 | 6.897 | 59253633 | 291.2E6  | 1112.525 | 941.587    |
| -----                       |                 |       |       |          |          |          |            |

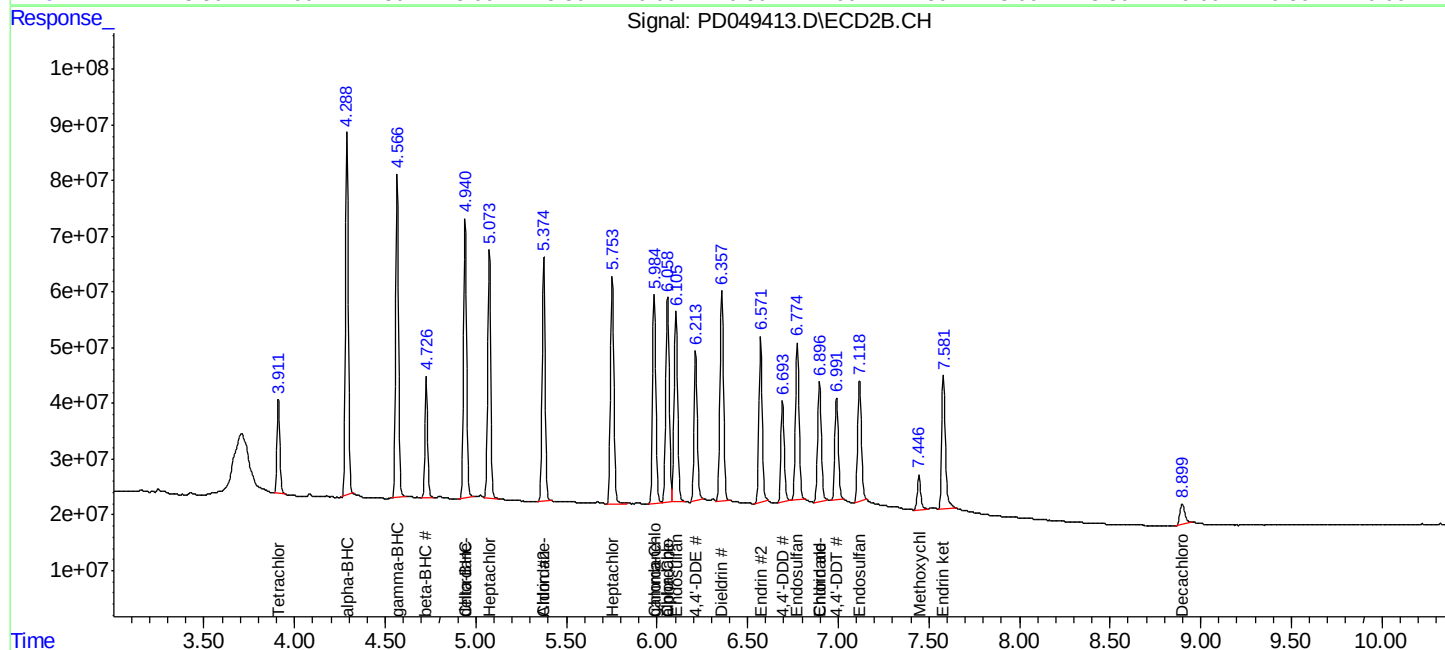
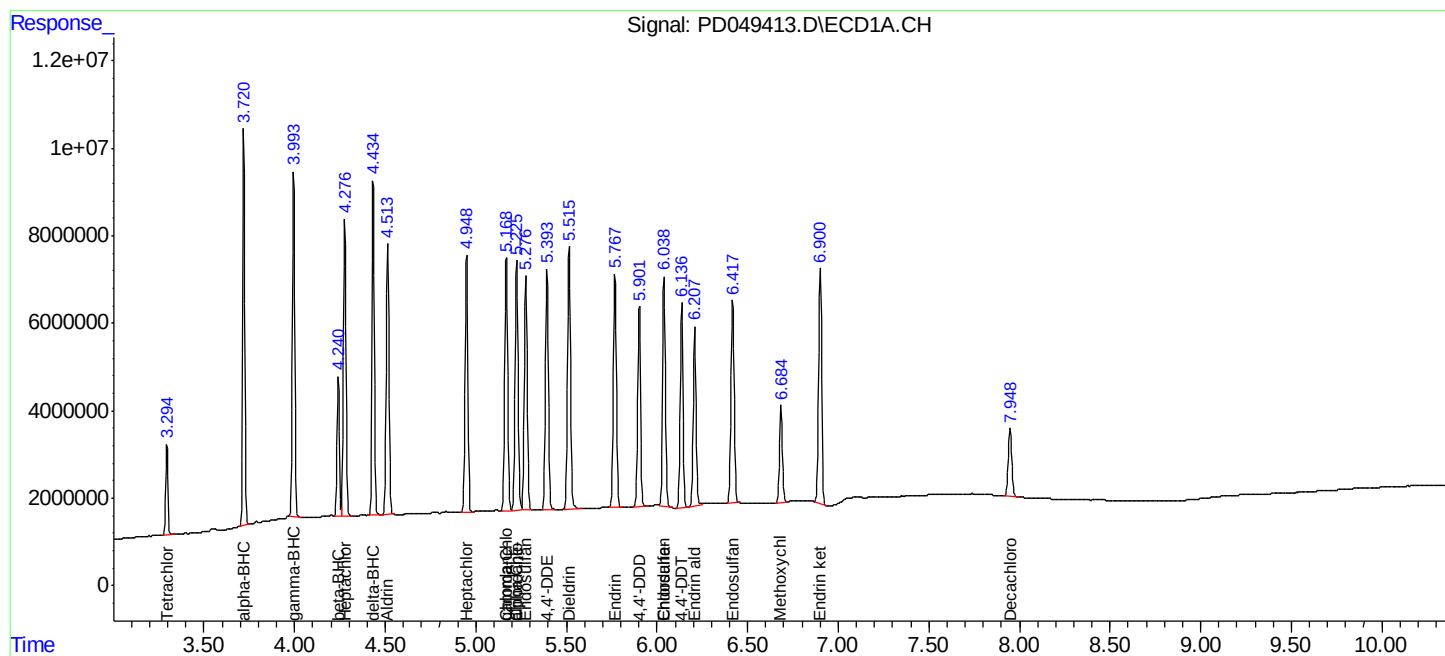
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

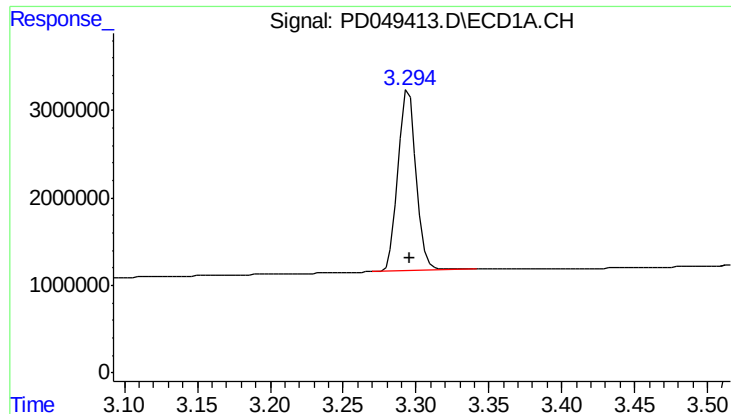
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD092318\  
Data File : PD049413.D  
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
Acq On : 22 Sep 2018 15:16  
Operator : AJ\SJ  
Sample : J4778-02MSD  
Misc :  
ALS Vial : 69 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
SA-01-091918MSD

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 24 02:06:32 2018  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD092318.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 24 01:44:23 2018  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2 µl  
Signal #1 Phase : ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.2  
Signal #2 Phase: ZB-MR1  
Signal #2 Info : 30M x 0.32mm x 0.50µm

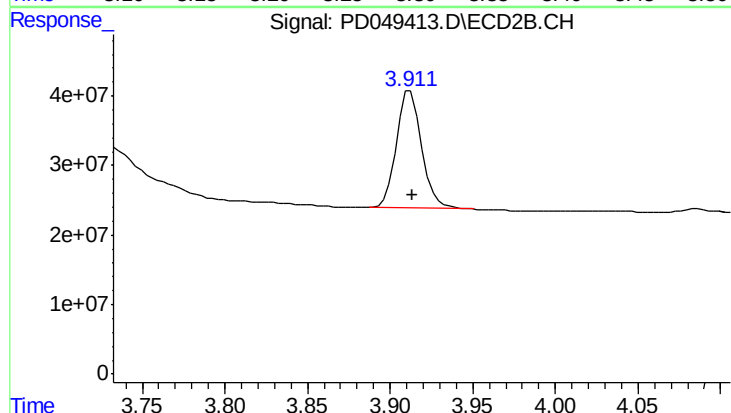




#1 Tetrachloro-m-xylene

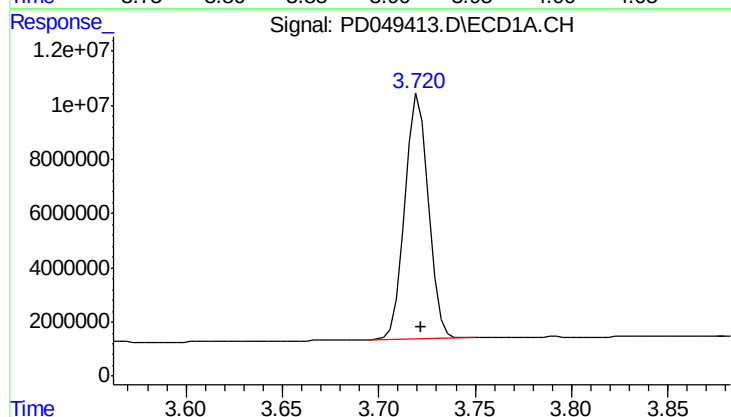
R.T.: 3.295 min  
Delta R.T.: 0.000 min  
Response: 18036999  
Conc: 17.95 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
SA-01-091918MSD



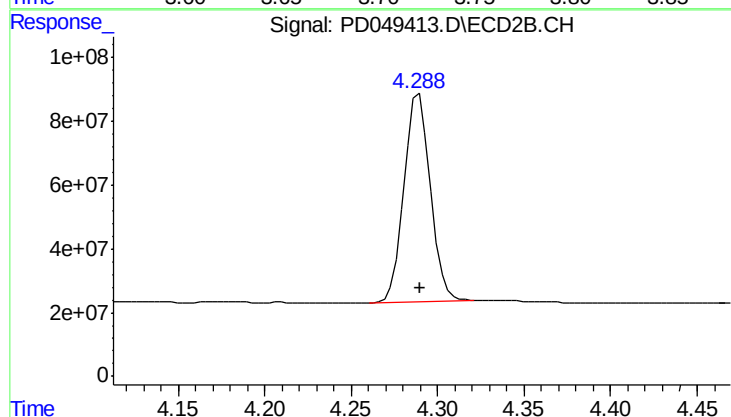
#1 Tetrachloro-m-xylene

R.T.: 3.912 min  
Delta R.T.: 0.000 min  
Response: 180788513  
Conc: 20.14 ng/ml



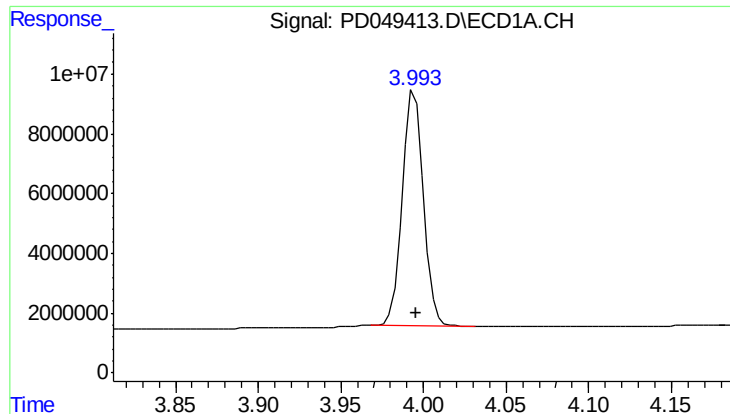
#2 alpha-BHC

R.T.: 3.721 min  
Delta R.T.: -0.001 min  
Response: 77261139  
Conc: 47.50 ng/ml



#2 alpha-BHC

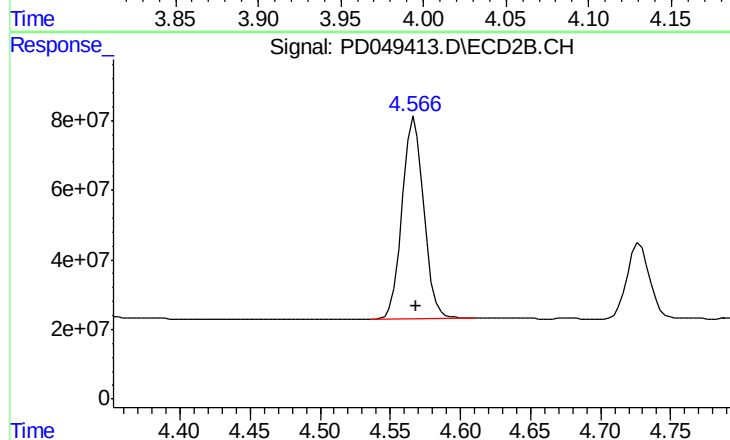
R.T.: 4.289 min  
Delta R.T.: 0.000 min  
Response: 690127882  
Conc: 52.71 ng/ml



#3 gamma-BHC (Lindane)

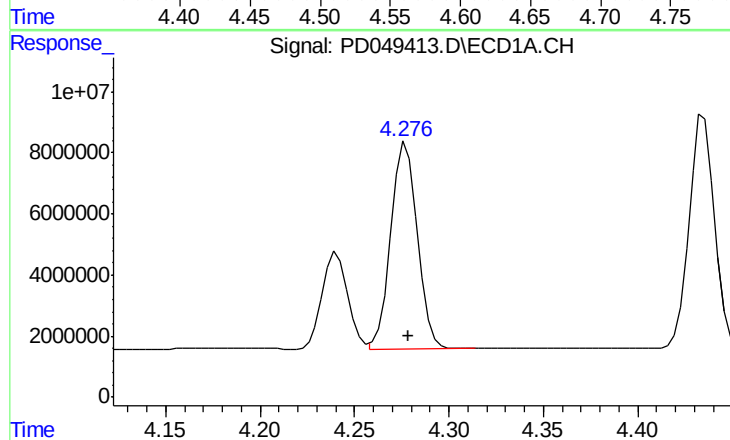
R.T.: 3.995 min  
Delta R.T.: -0.001 min  
Response: 70163461  
Conc: 45.63 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
SA-01-091918MSD



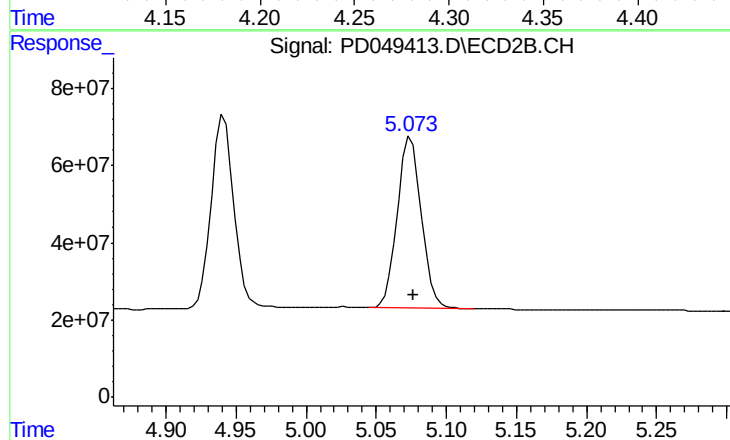
#3 gamma-BHC (Lindane)

R.T.: 4.567 min  
Delta R.T.: 0.000 min  
Response: 615585422  
Conc: 51.23 ng/ml



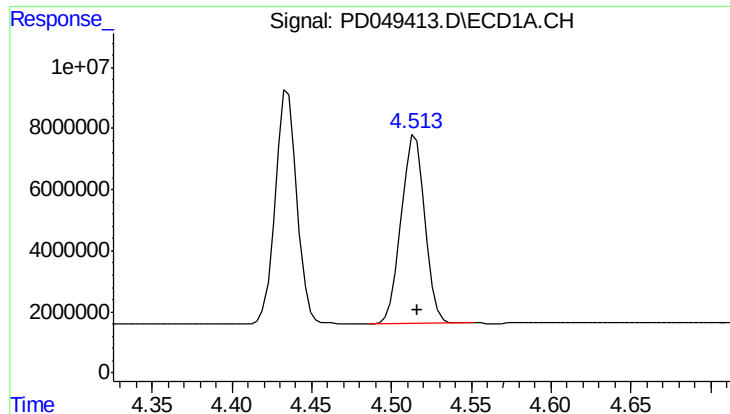
#4 Heptachlor

R.T.: 4.278 min  
Delta R.T.: -0.001 min  
Response: 66016383  
Conc: 44.22 ng/ml



#4 Heptachlor

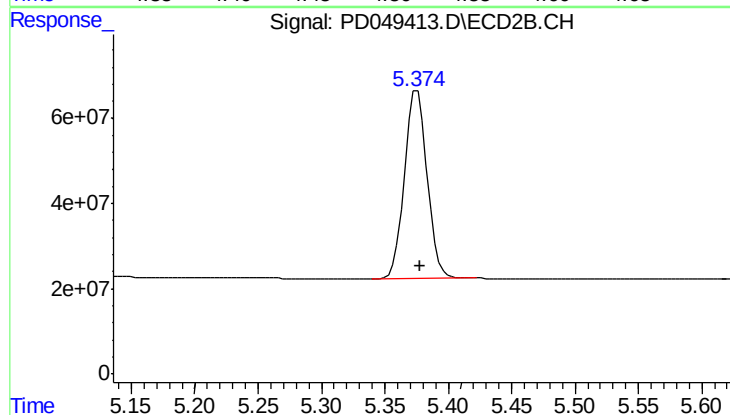
R.T.: 5.075 min  
Delta R.T.: -0.002 min  
Response: 527817167  
Conc: 56.31 ng/ml



#5 Aldrin

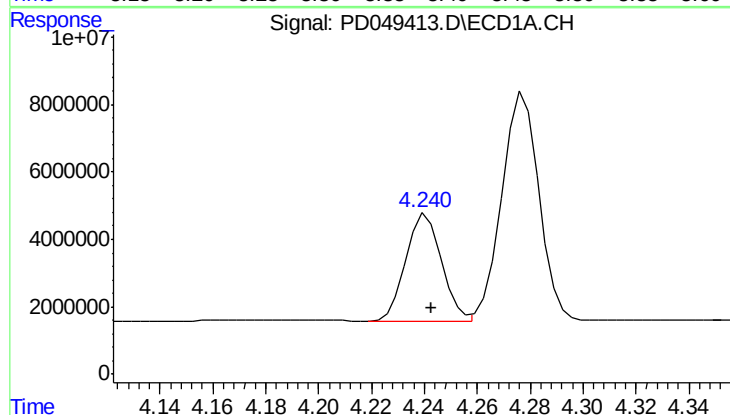
R.T.: 4.515 min  
Delta R.T.: -0.002 min  
Response: 63824532  
Conc: 44.31 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
SA-01-091918MSD



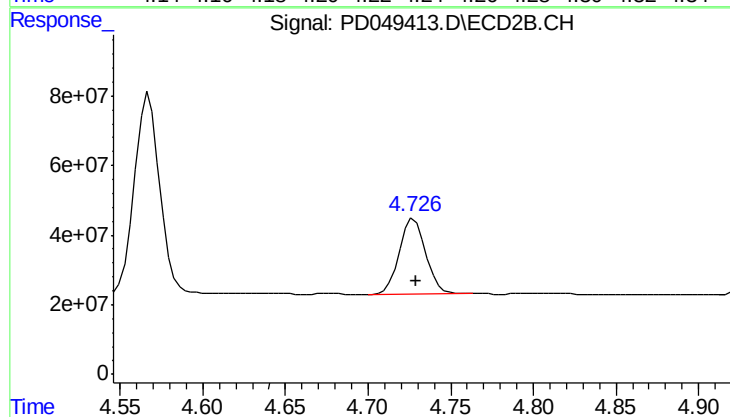
#5 Aldrin

R.T.: 5.376 min  
Delta R.T.: -0.002 min  
Response: 551843119  
Conc: 51.90 ng/ml



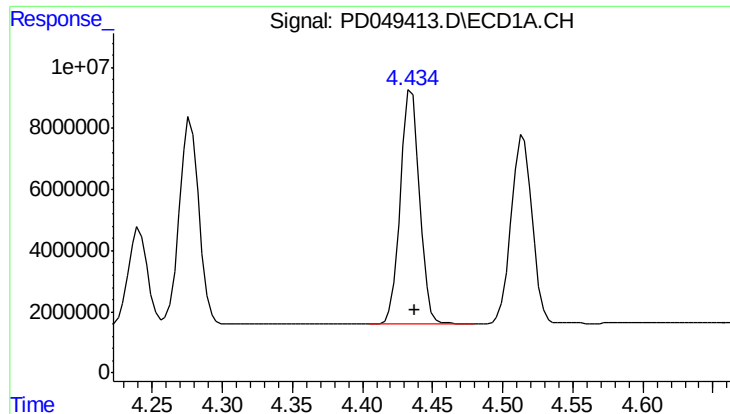
#6 beta-BHC

R.T.: 4.241 min  
Delta R.T.: -0.002 min  
Response: 29533490  
Conc: 46.74 ng/ml



#6 beta-BHC

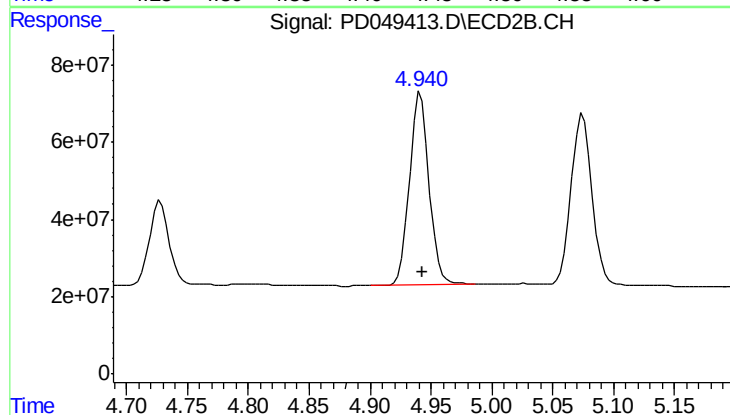
R.T.: 4.728 min  
Delta R.T.: -0.001 min  
Response: 243208823  
Conc: 51.67 ng/ml



#7 delta-BHC

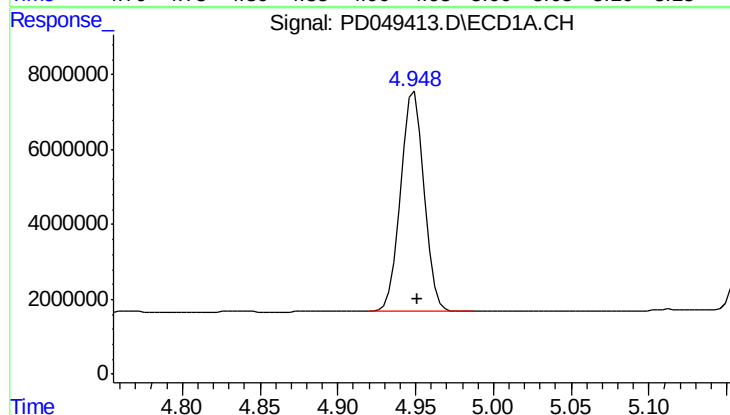
R.T.: 4.435 min  
Delta R.T.: -0.002 min  
Response: 72748775  
Conc: 47.87 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
SA-01-091918MSD



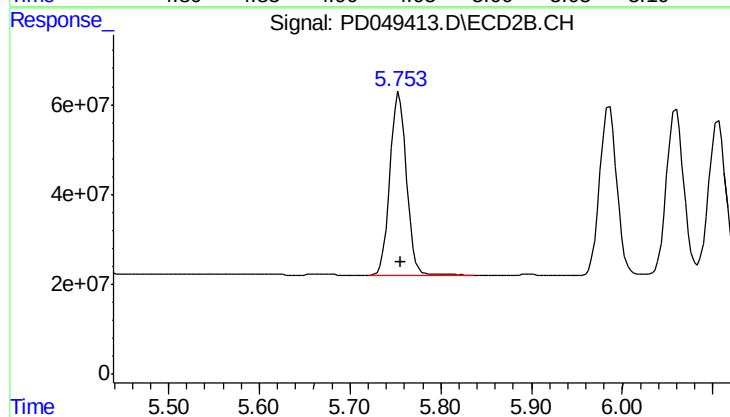
#7 delta-BHC

R.T.: 4.941 min  
Delta R.T.: -0.001 min  
Response: 560941035  
Conc: 53.45 ng/ml



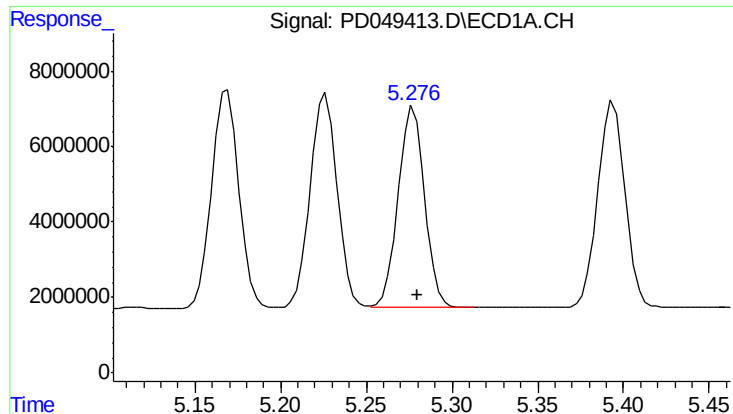
#8 Heptachlor epoxide

R.T.: 4.949 min  
Delta R.T.: -0.002 min  
Response: 62428497  
Conc: 45.71 ng/ml



#8 Heptachlor epoxide

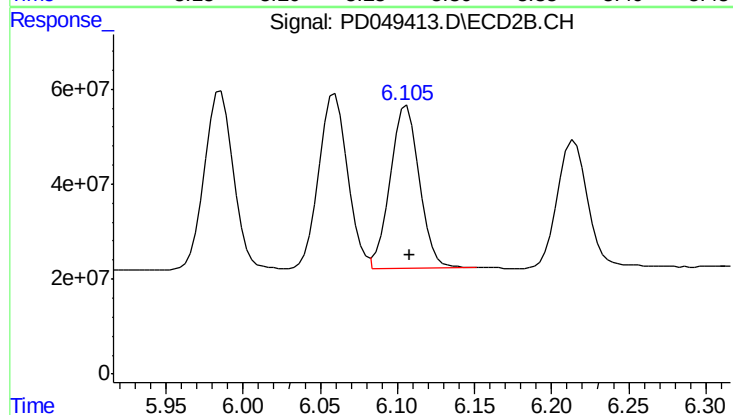
R.T.: 5.754 min  
Delta R.T.: -0.001 min  
Response: 516787958  
Conc: 52.91 ng/ml



#9 Endosulfan I

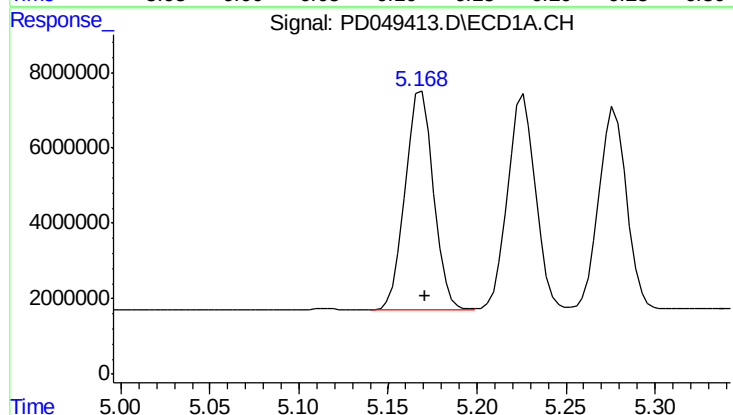
R.T.: 5.278 min  
Delta R.T.: -0.002 min  
Response: 57709765  
Conc: 44.83 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
SA-01-091918MSD



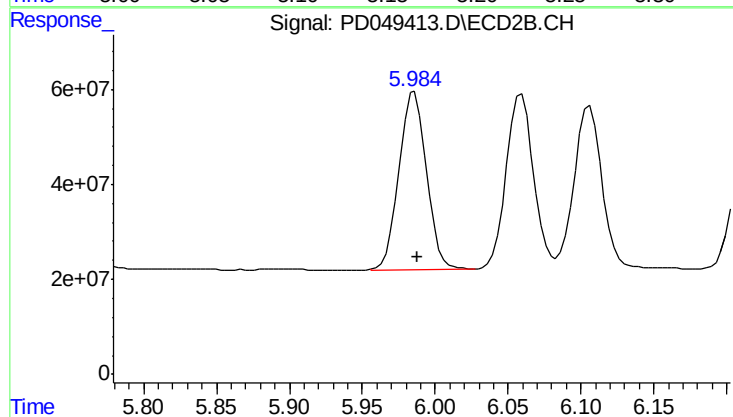
#9 Endosulfan I

R.T.: 6.106 min  
Delta R.T.: -0.002 min  
Response: 450855796  
Conc: 51.52 ng/ml



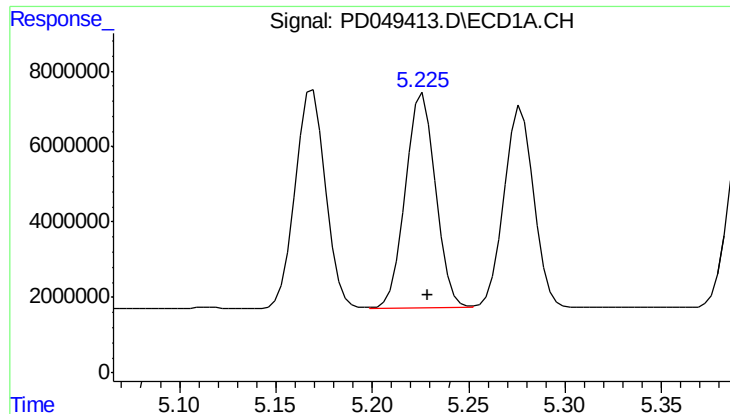
#10 gamma-Chlordane

R.T.: 5.169 min  
Delta R.T.: -0.002 min  
Response: 63627018  
Conc: 45.25 ng/ml



#10 gamma-Chlordane

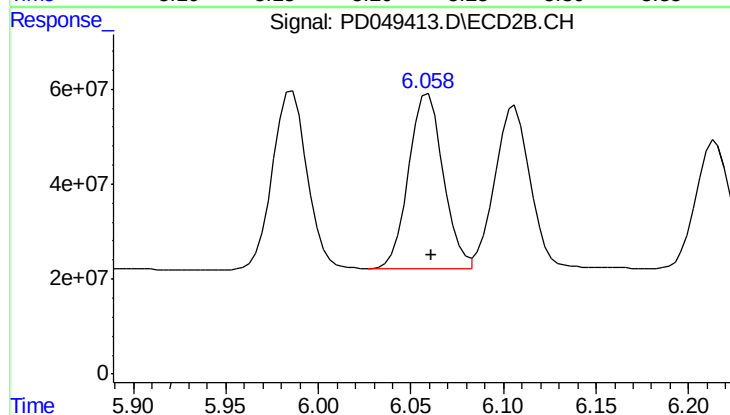
R.T.: 5.986 min  
Delta R.T.: -0.002 min  
Response: 490215905  
Conc: 52.26 ng/ml



#11 alpha-Chlordane

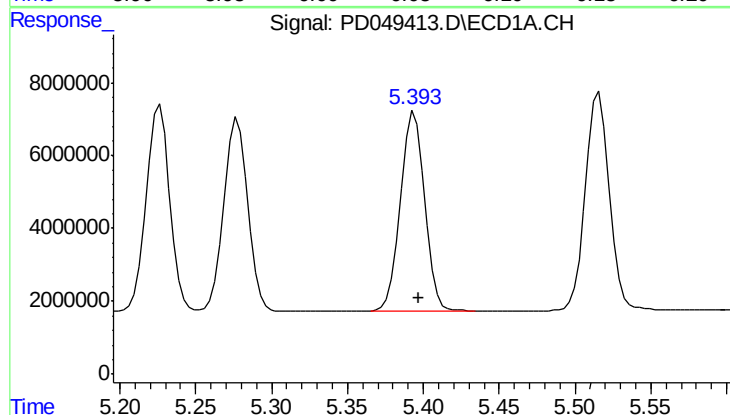
R.T.: 5.226 min  
Delta R.T.: -0.002 min  
Response: 62427957  
Conc: 45.37 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
SA-01-091918MSD



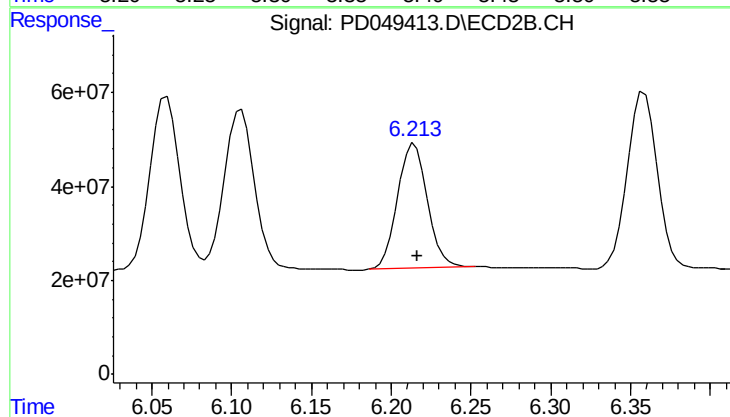
#11 alpha-Chlordane

R.T.: 6.059 min  
Delta R.T.: -0.002 min  
Response: 480366806  
Conc: 52.08 ng/ml



#12 4,4'-DDE

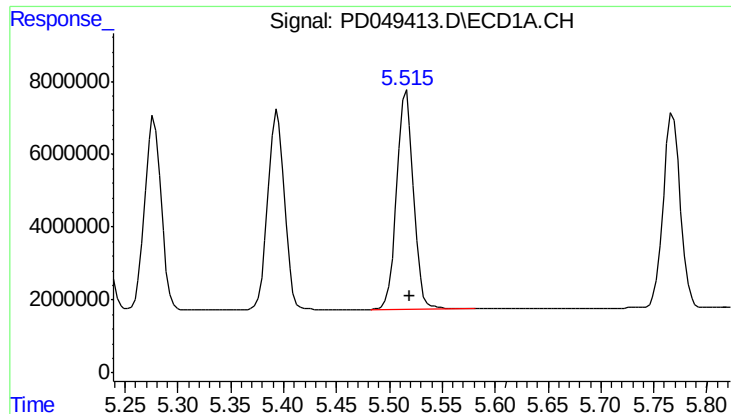
R.T.: 5.394 min  
Delta R.T.: -0.002 min  
Response: 60037449  
Conc: 45.48 ng/ml



#12 4,4'-DDE

R.T.: 6.215 min  
Delta R.T.: -0.002 min  
Response: 348218455  
Conc: 50.41 ng/ml

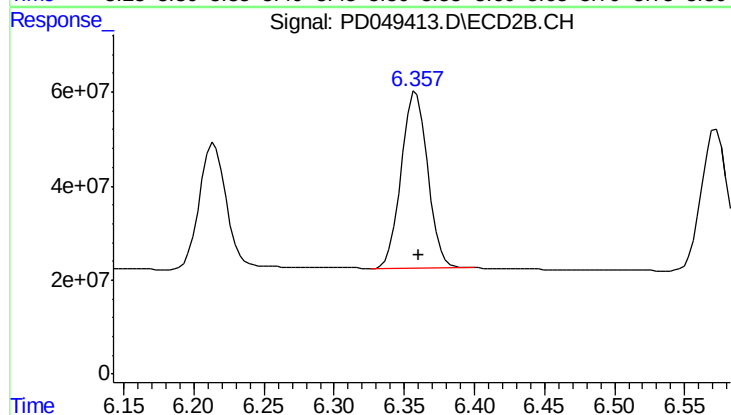




#13 Dielddrin

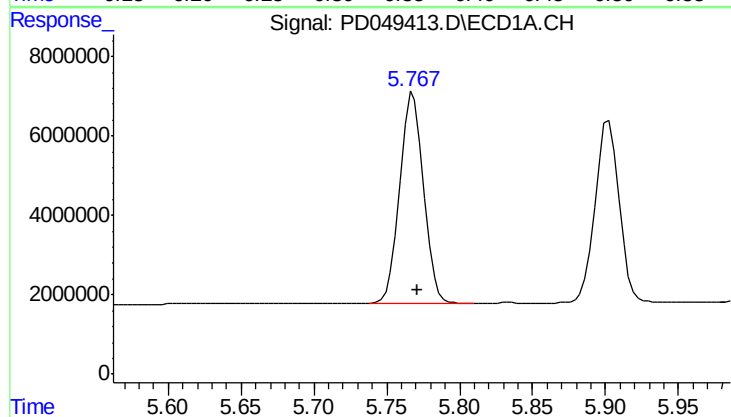
R.T.: 5.516 min  
Delta R.T.: -0.003 min  
Response: 66403502  
Conc: 47.19 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
SA-01-091918MSD



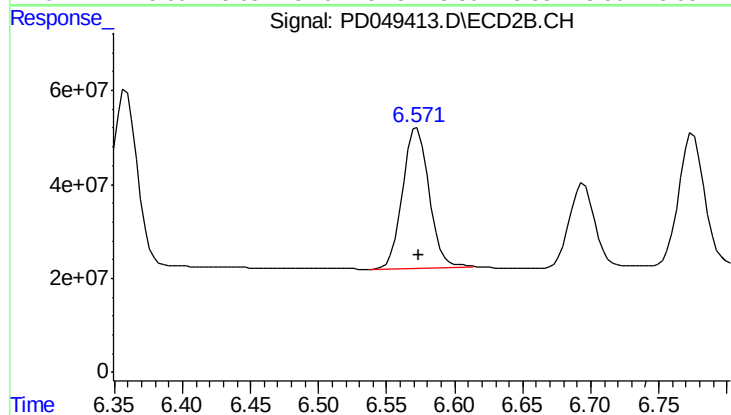
#13 Dielddrin

R.T.: 6.359 min  
Delta R.T.: -0.002 min  
Response: 493263564  
Conc: 52.67 ng/ml



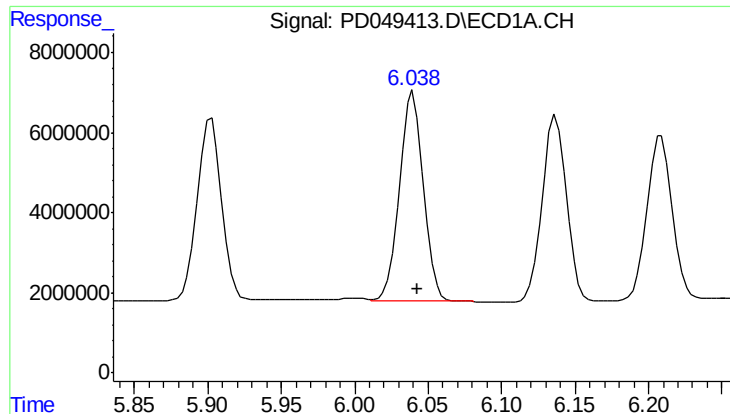
#14 Endrin

R.T.: 5.768 min  
Delta R.T.: -0.003 min  
Response: 59959623  
Conc: 47.71 ng/ml



#14 Endrin

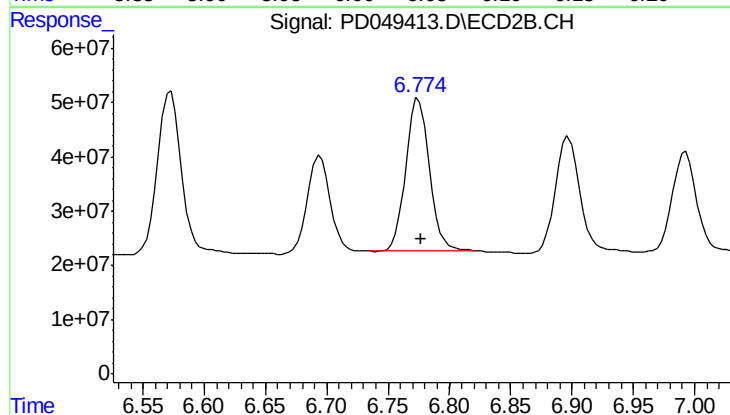
R.T.: 6.573 min  
Delta R.T.: -0.001 min  
Response: 399337883  
Conc: 54.97 ng/ml



#15 Endosulfan II

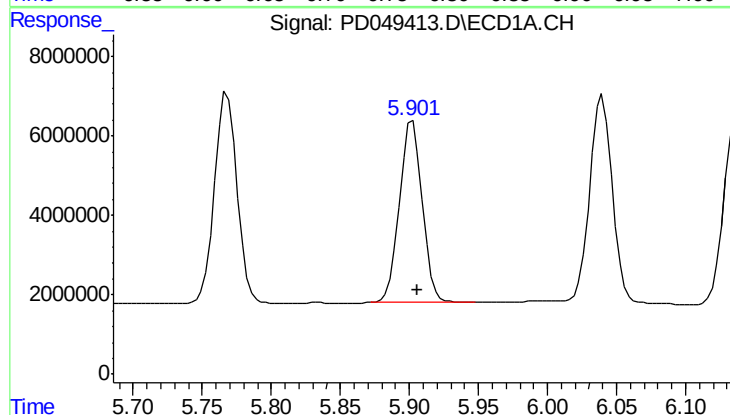
R.T.: 6.040 min  
Delta R.T.: -0.003 min  
Response: 59253633  
Conc: 46.74 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
SA-01-091918MSD



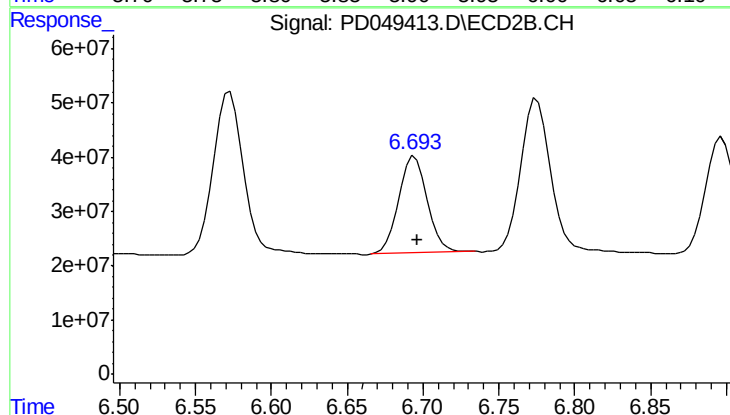
#15 Endosulfan II

R.T.: 6.775 min  
Delta R.T.: -0.002 min  
Response: 376045465  
Conc: 52.19 ng/ml



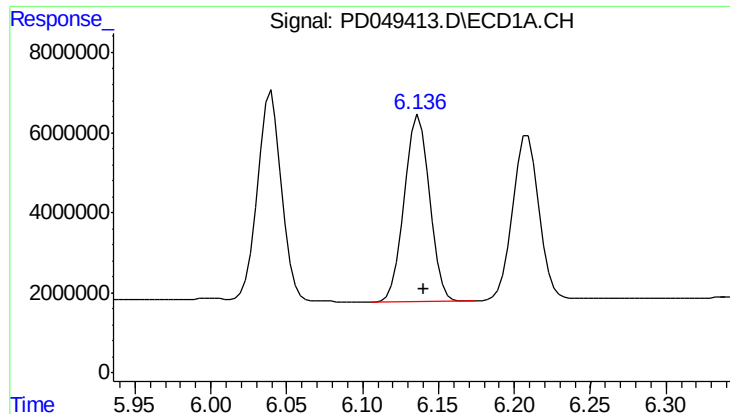
#16 4,4'-DDD

R.T.: 5.902 min  
Delta R.T.: -0.003 min  
Response: 52393056  
Conc: 47.10 ng/ml



#16 4,4'-DDD

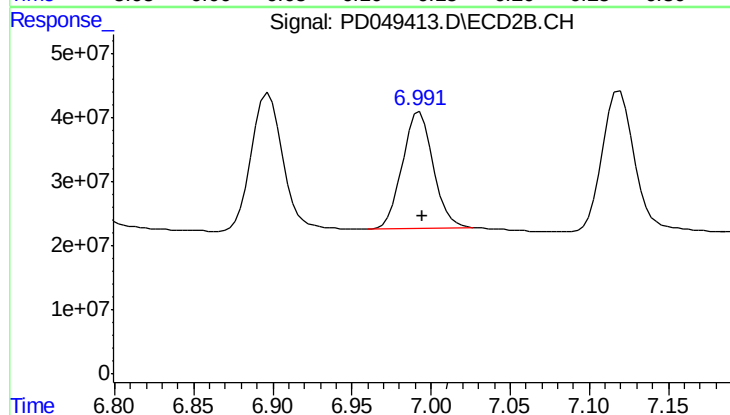
R.T.: 6.694 min  
Delta R.T.: -0.002 min  
Response: 232304555  
Conc: 53.32 ng/ml



#17 4,4'-DDT

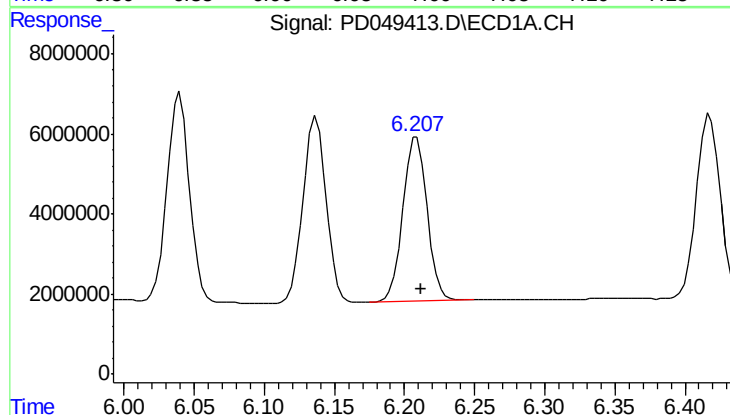
R.T.: 6.137 min  
Delta R.T.: -0.003 min  
Response: 53815317  
Conc: 46.45 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
SA-01-091918MSD



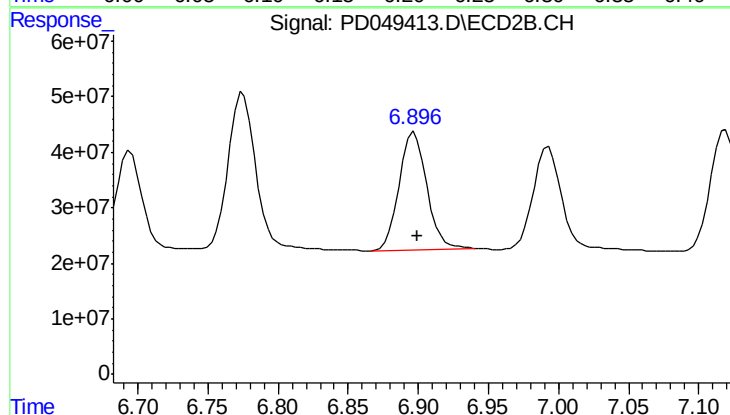
#17 4,4'-DDT

R.T.: 6.993 min  
Delta R.T.: -0.002 min  
Response: 247758542  
Conc: 53.64 ng/ml



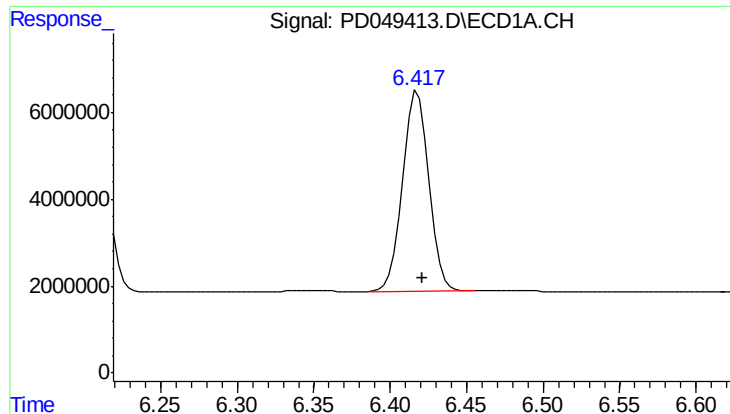
#18 Endrin aldehyde

R.T.: 6.209 min  
Delta R.T.: -0.003 min  
Response: 49053743  
Conc: 45.23 ng/ml



#18 Endrin aldehyde

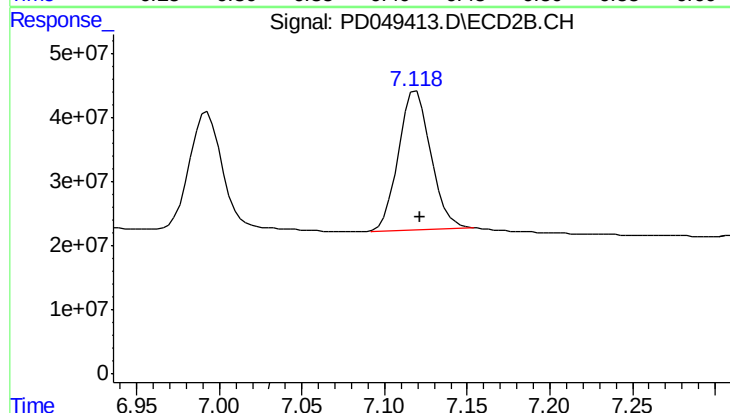
R.T.: 6.897 min  
Delta R.T.: -0.002 min  
Response: 291238087  
Conc: 52.64 ng/ml



#19 Endosulfan Sulfate

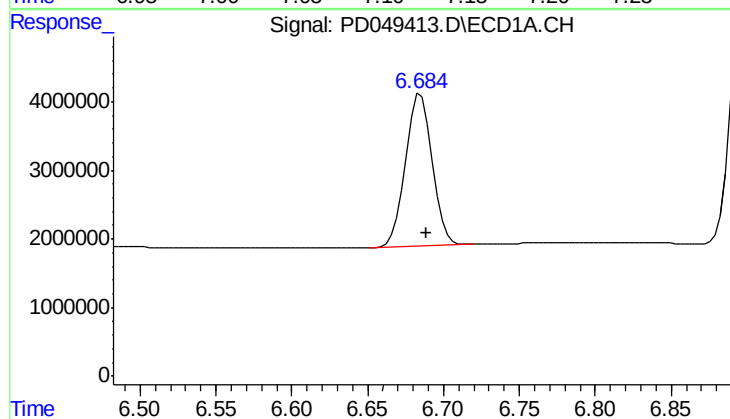
R.T.: 6.418 min  
Delta R.T.: -0.003 min  
Response: 54725754  
Conc: 46.63 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
SA-01-091918MSD



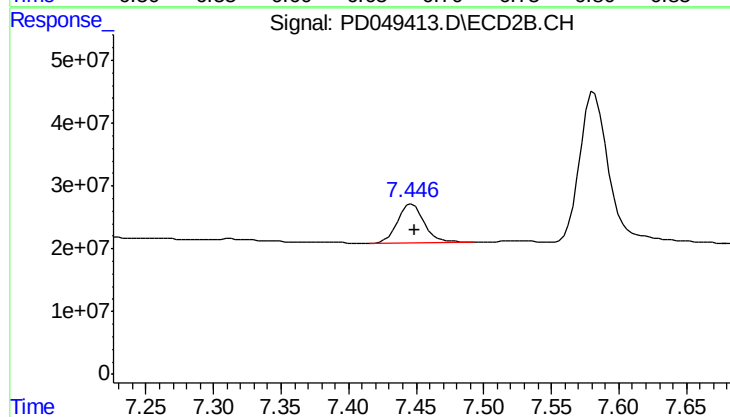
#19 Endosulfan Sulfate

R.T.: 7.119 min  
Delta R.T.: -0.003 min  
Response: 297312417  
Conc: 53.65 ng/ml



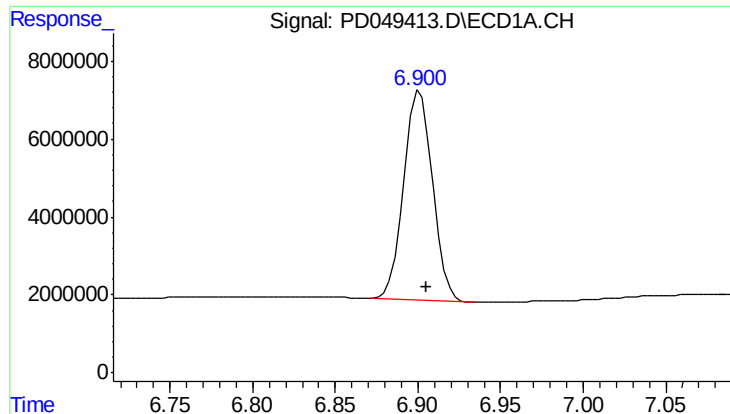
#20 Methoxychlor

R.T.: 6.685 min  
Delta R.T.: -0.004 min  
Response: 27035707  
Conc: 48.60 ng/ml



#20 Methoxychlor

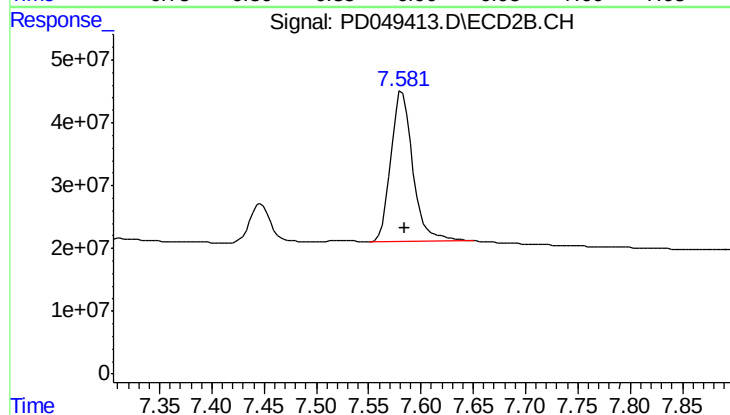
R.T.: 7.447 min  
Delta R.T.: -0.002 min  
Response: 84348811  
Conc: 59.22 ng/ml



#21 Endrin ketone

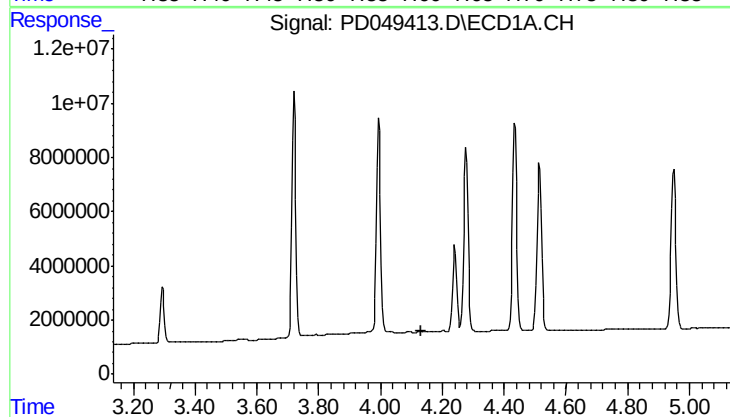
R.T.: 6.901 min  
Delta R.T.: -0.003 min  
Response: 65129432  
Conc: 47.57 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
SA-01-091918MSD



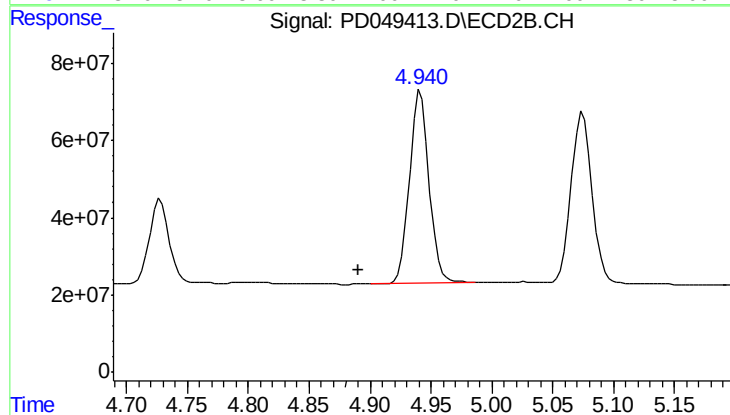
#21 Endrin ketone

R.T.: 7.582 min  
Delta R.T.: -0.002 min  
Response: 351966273  
Conc: 55.00 ng/ml



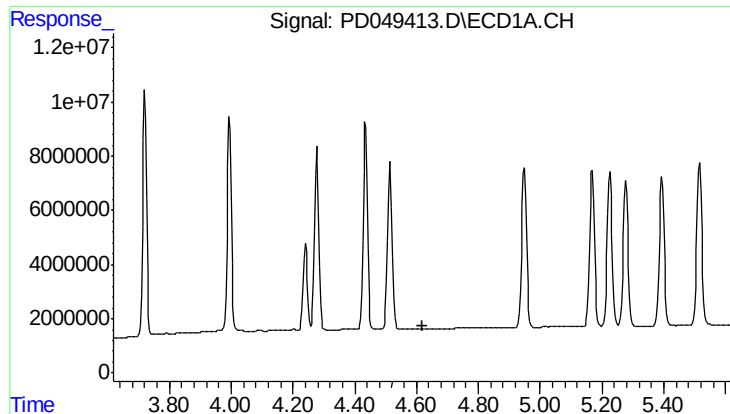
#23 Chlordane-1

R.T.: 0.000 min  
Exp R.T.: 4.133 min  
Response: 0  
Conc: N.D.



#23 Chlordane-1

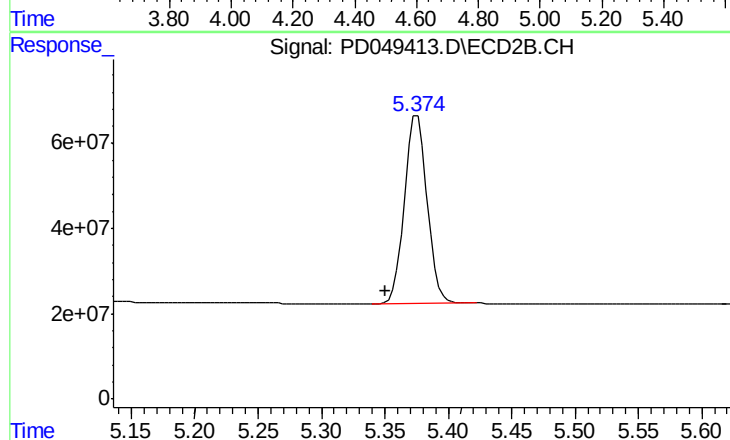
R.T.: 4.941 min  
Delta R.T.: 0.051 min  
Response: 560941035  
Conc: 1323.85 ng/ml



#24 Chlordane-2

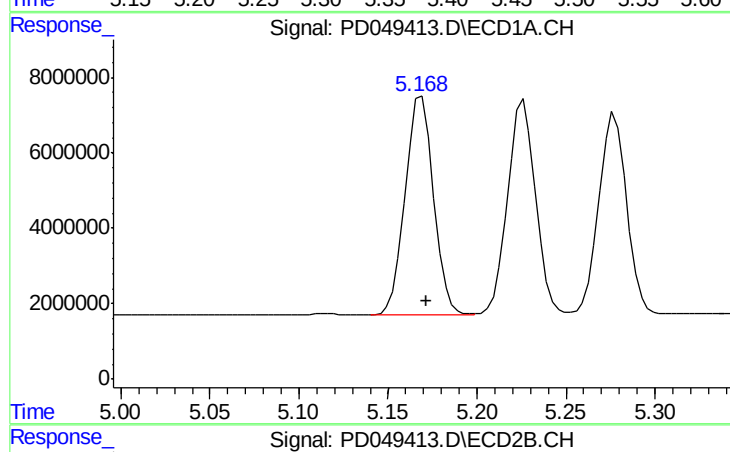
R.T.: 0.000 min  
Exp R.T.: 4.619 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :  
SA-01-091918MSD



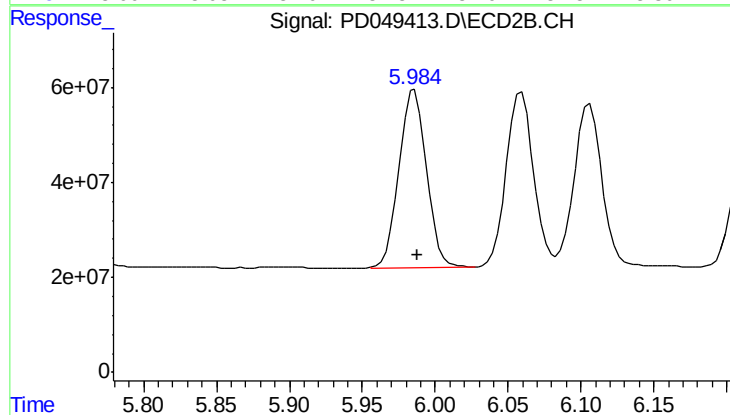
#24 Chlordane-2

R.T.: 5.376 min  
Delta R.T.: 0.025 min  
Response: 551843119  
Conc: 1333.47 ng/ml



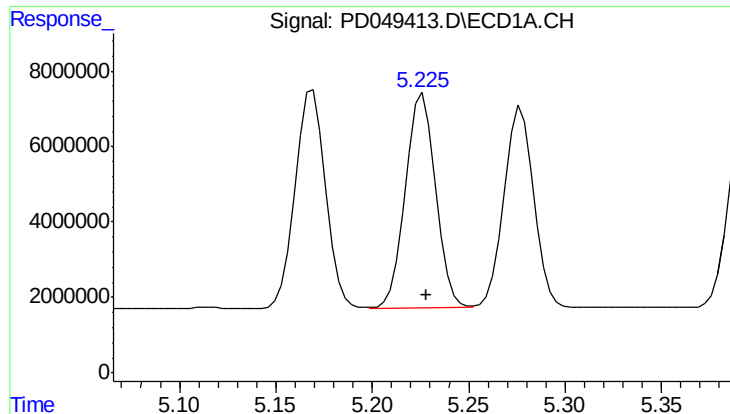
#25 Chlordane-3

R.T.: 5.169 min  
Delta R.T.: -0.002 min  
Response: 63627018  
Conc: 388.23 ng/ml



#25 Chlordane-3

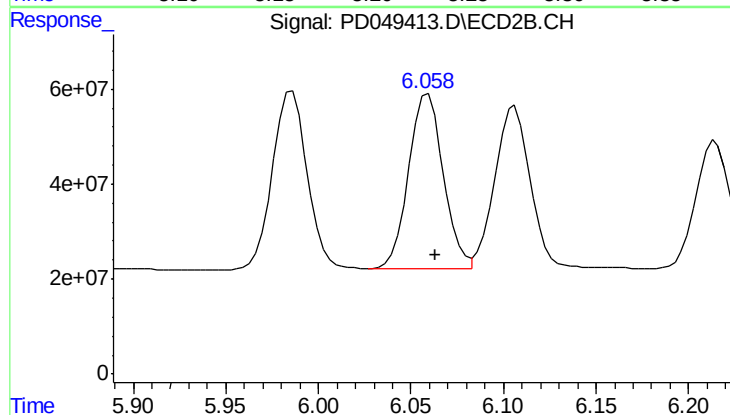
R.T.: 5.986 min  
Delta R.T.: -0.002 min  
Response: 490215905  
Conc: 364.75 ng/ml



#26 Chlordane-4

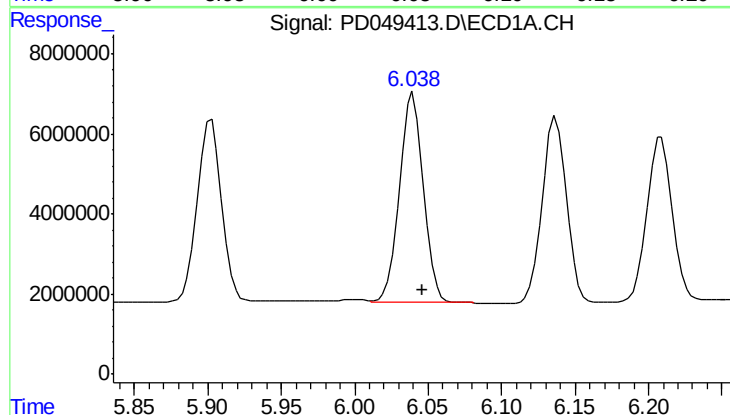
R.T.: 5.226 min  
Delta R.T.: -0.002 min  
Response: 62427957  
Conc: 410.65 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
SA-01-091918MSD



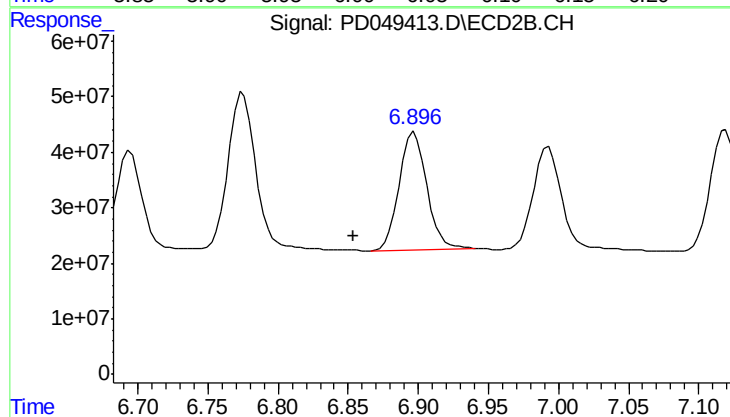
#26 Chlordane-4

R.T.: 6.059 min  
Delta R.T.: -0.004 min  
Response: 480366806  
Conc: 305.59 ng/ml



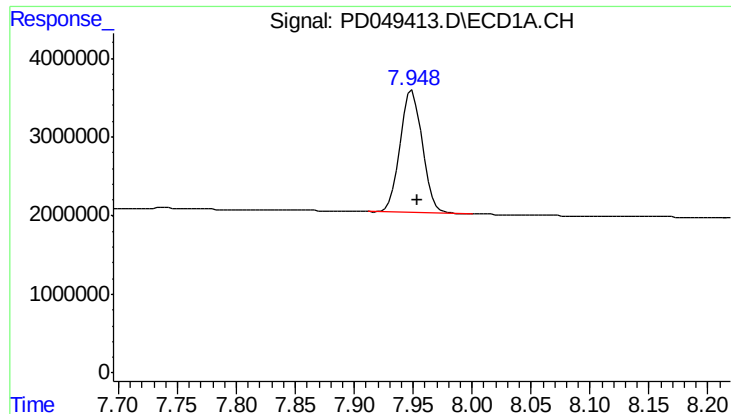
#27 Chlordane-5

R.T.: 6.040 min  
Delta R.T.: -0.006 min  
Response: 59253633  
Conc: 1112.52 ng/ml



#27 Chlordane-5

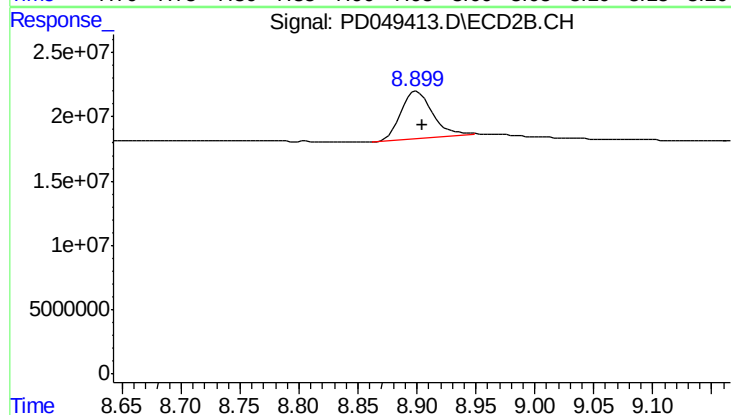
R.T.: 6.897 min  
Delta R.T.: 0.044 min  
Response: 291238087  
Conc: 941.59 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.949 min  
Delta R.T.: -0.004 min  
Response: 20196406  
Conc: 18.68 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
SA-01-091918MSD



#28 Decachlorobiphenyl

R.T.: 8.900 min  
Delta R.T.: -0.005 min  
Response: 68263386  
Conc: 20.25 ng/ml