

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX041923\  
 Data File : VX035170.D  
 Acq On : 19 Apr 2023 15:29  
 Operator : JC/MD  
 Sample : 02397-11RE  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Apr 20 02:56:29 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML041823WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Apr 20 02:36:32 2023  
 Response via : Initial Calibration

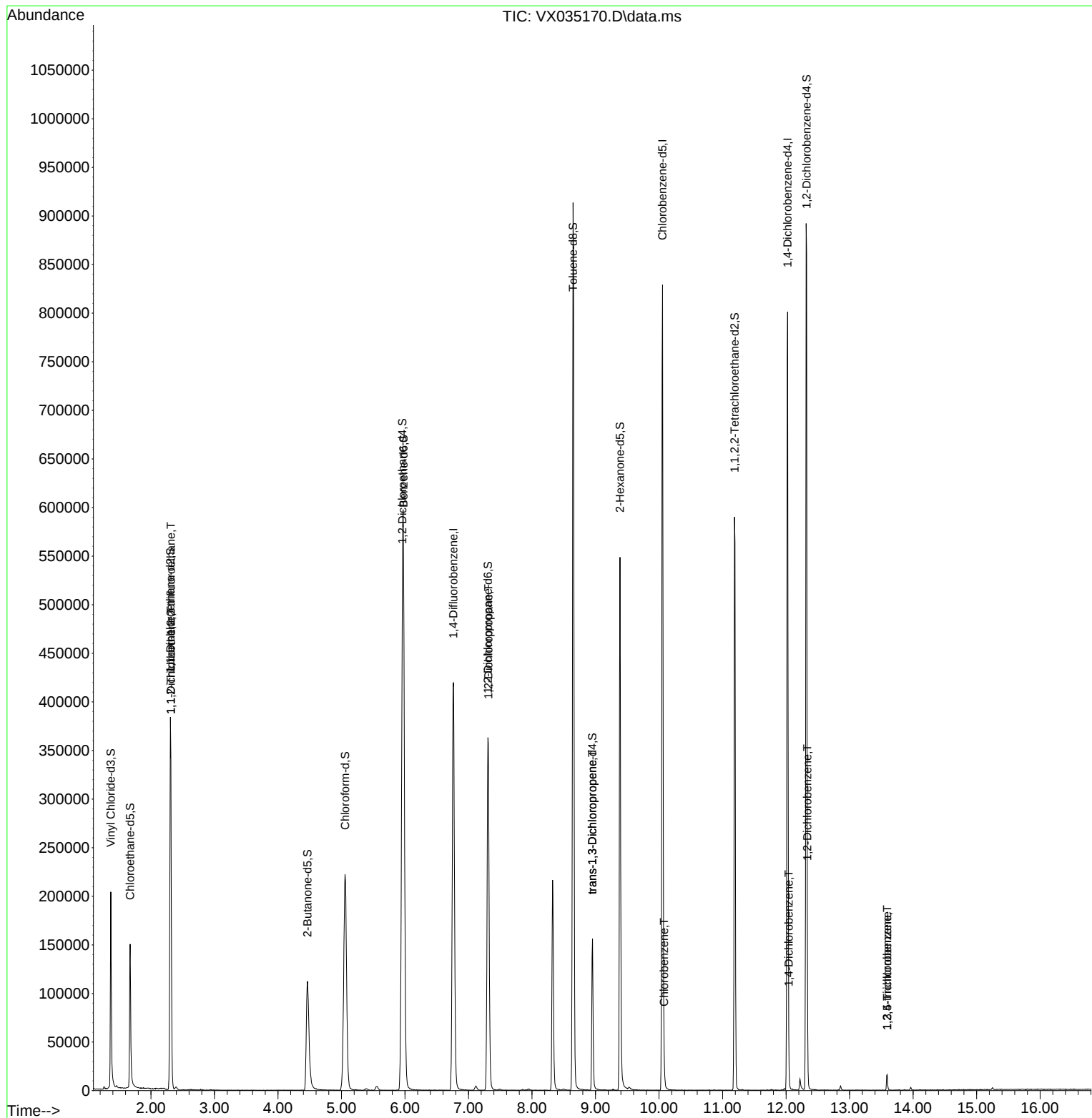
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.763   | 114   | 442260   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.055  | 117   | 373913   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024  | 152   | 168190   | 50.000   | ug/L   | 0.00     |
|                               |         |       |          |          |        |          |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.368   | 65    | 136615   | 47.907   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 95.820%  |
| 7) Chloroethane-d5            | 1.672   | 69    | 106512   | 51.690   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 103.380% |
| 11) 1,1-Dichloroethene-d2     | 2.307   | 65    | 68611    | 50.284   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 100.560% |
| 21) 2-Butanone-d5             | 4.465   | 46    | 214439   | 112.841  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 112.840% |
| 24) Chloroform-d              | 5.056   | 84    | 283855   | 52.856   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 105.720% |
| 26) 1,2-Dichloroethane-d4     | 5.958   | 65    | 192023   | 55.681   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 111.360% |
| 32) Benzene-d6                | 5.977   | 84    | 613671   | 57.133   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 114.260% |
| 36) 1,2-Dichloropropane-d6    | 7.306   | 67    | 187766   | 57.228   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 114.460% |
| 41) Toluene-d8                | 8.647   | 98    | 543441   | 55.360   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 110.720% |
| 43) trans-1,3-Dichloroprop... | 8.952   | 79    | 71924    | 50.161   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 100.320% |
| 47) 2-Hexanone-d5             | 9.385   | 63    | 152485   | 115.732  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 115.730% |
| 56) 1,1,2,2-Tetrachloroeth... | 11.189  | 84    | 231745   | 57.674   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 115.340% |
| 66) 1,2-Dichlorobenzene-d4    | 12.323  | 152   | 190796   | 58.539   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 117.080% |
|                               |         |       |          |          |        |          |
| Target Compounds              |         |       |          |          |        | Qvalue   |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.313   | 101   | 2136     | 0.738    | ug/L # | 19       |
| 12) 1,1-Dichloroethene        | 2.313   | 96    | 1664     | 0.630    | ug/L # | 1        |
| 37) 1,2-Dichloropropane       | 7.312   | 63    | 21620    | 7.252    | ug/L # | 86       |
| 44) trans-1,3-Dichloropropene | 8.952   | 75    | 3197     | 0.796    | ug/L   | 83       |
| 51) Chlorobenzene             | 10.079  | 112   | 8067     | 1.042    | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 12.043  | 146   | 4241     | 0.795    | ug/L   | 93       |
| 67) 1,2-Dichlorobenzene       | 12.335  | 146   | 7929     | 1.499    | ug/L   | 92       |
| 69) 1,3,5-Trichlorobenzene    | 13.591  | 180   | 4243     | 1.316    | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene    | 13.591  | 180   | 4243     | 1.405    | ug/L   | 97       |
| -----                         |         |       |          |          |        |          |

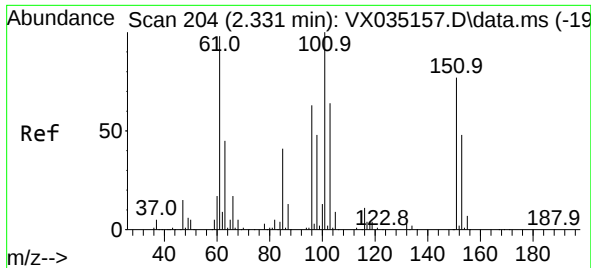
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_X  
ClientSampleId :

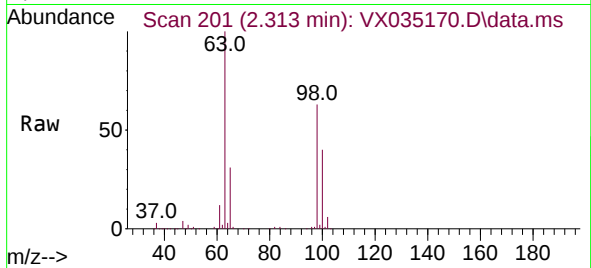
Quant Time: Apr 20 02:56:29 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML041823WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Apr 20 02:36:32 2023  
Response via : Initial Calibration



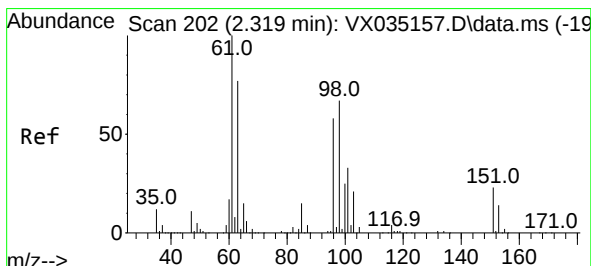
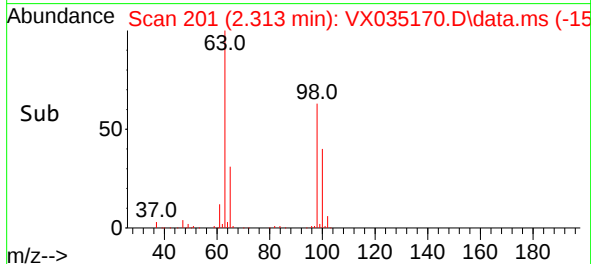
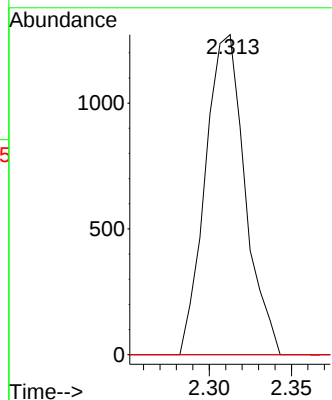


#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.738 ug/L  
 RT: 2.313 min Scan# 201  
 Delta R.T. -0.018 min  
 Lab File: VX035170.D  
 Acq: 19 Apr 2023 15:29

Instrument :  
 MSVOA\_X  
 ClientSampleId :

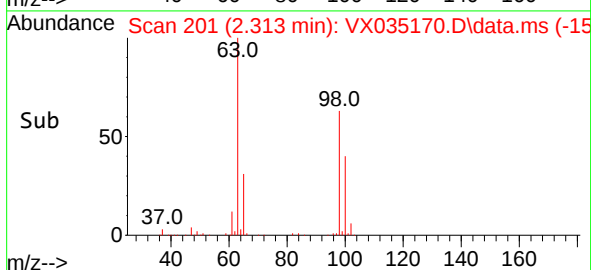
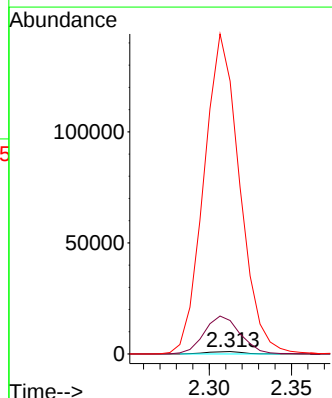
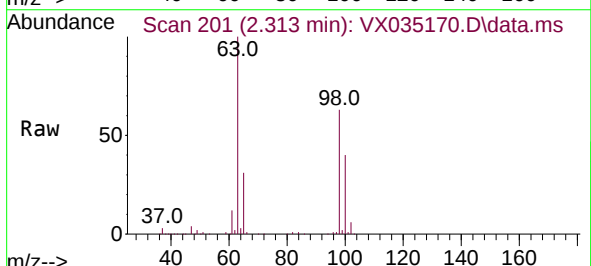


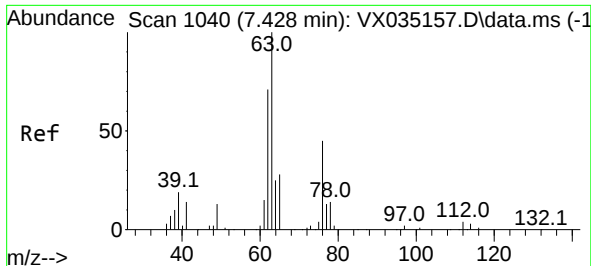
Tgt Ion: 101 Resp: 2136  
 Ion Ratio Lower Upper  
 101 100  
 85 0.0 34.2 51.2#  
 151 0.0 61.1 91.7#



#12  
 1,1-Dichloroethene  
 Concen: 0.630 ug/L  
 RT: 2.313 min Scan# 201  
 Delta R.T. -0.006 min  
 Lab File: VX035170.D  
 Acq: 19 Apr 2023 15:29

Tgt Ion: 96 Resp: 1664  
 Ion Ratio Lower Upper  
 96 100  
 61 1421.1 119.0 221.0#  
 63 11572.5 91.0 169.0#





#37

1,2-Dichloropropane

Concen: 7.252 ug/L

RT: 7.312 min Scan# 1040

Delta R.T. -0.116 min

Lab File: VX035170.D

Acq: 19 Apr 2023 15:29

Instrument :

MSVOA\_X

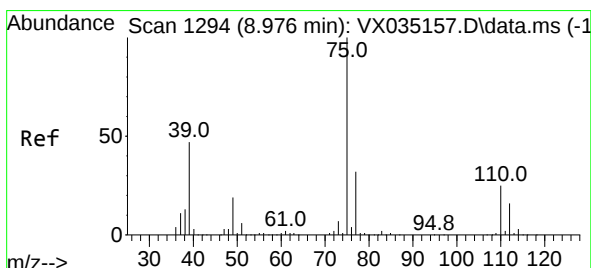
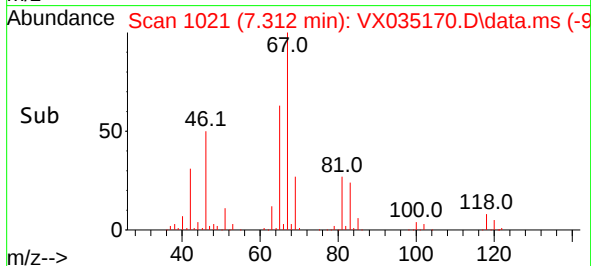
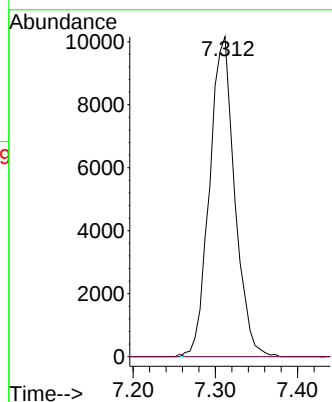
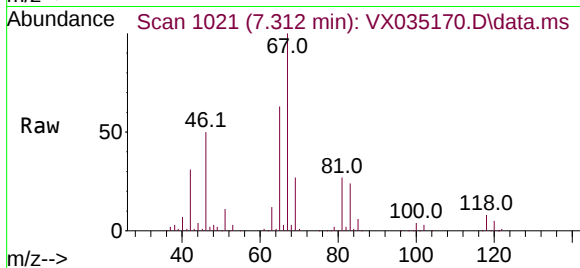
ClientSampleId :

Tgt Ion: 63 Resp: 21620

Ion Ratio Lower Upper

63 100

112 0.0 3.7 5.5#



#44

trans-1,3-Dichloropropene

Concen: 0.796 ug/L

RT: 8.952 min Scan# 1290

Delta R.T. -0.024 min

Lab File: VX035170.D

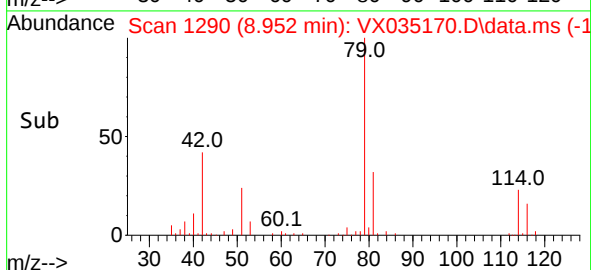
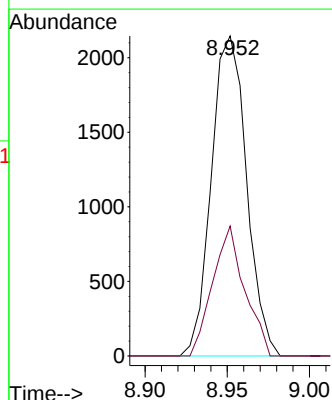
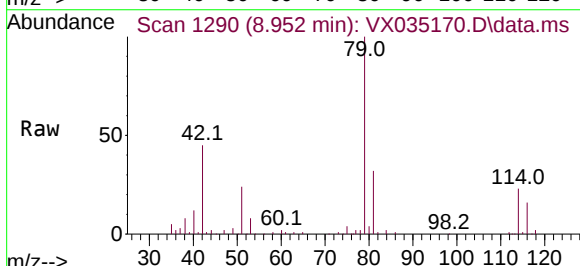
Acq: 19 Apr 2023 15:29

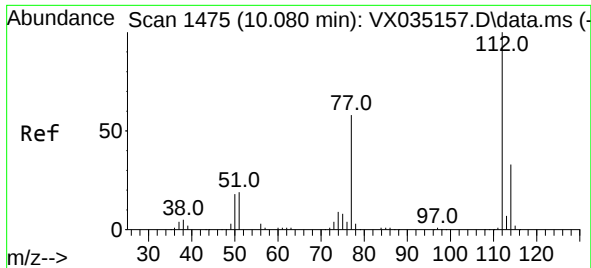
Tgt Ion: 75 Resp: 3197

Ion Ratio Lower Upper

75 100

77 40.6 22.0 40.8

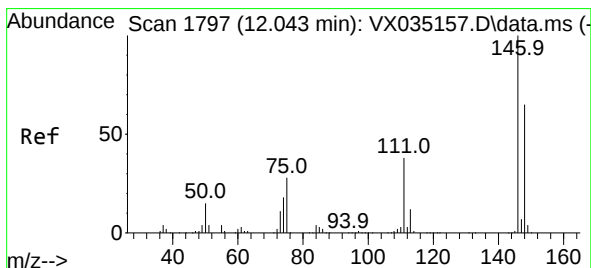
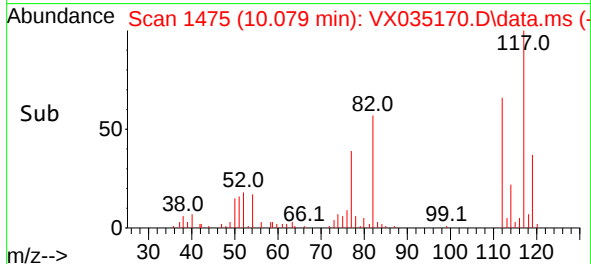
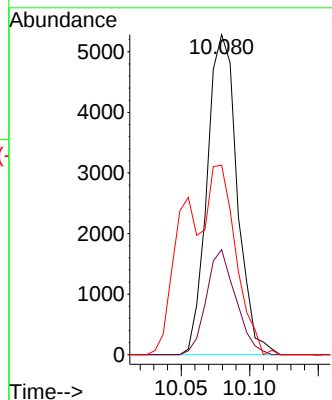
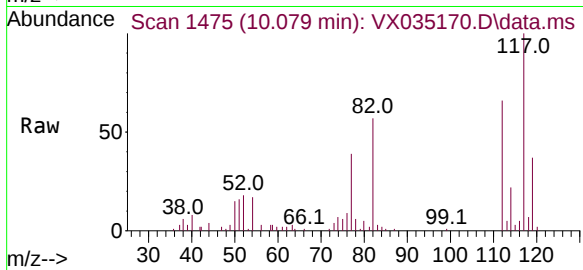




#51  
Chlorobenzene  
Concen: 1.042 ug/L  
RT: 10.079 min Scan# 1475  
Delta R.T. -0.000 min  
Lab File: VX035170.D  
Acq: 19 Apr 2023 15:29

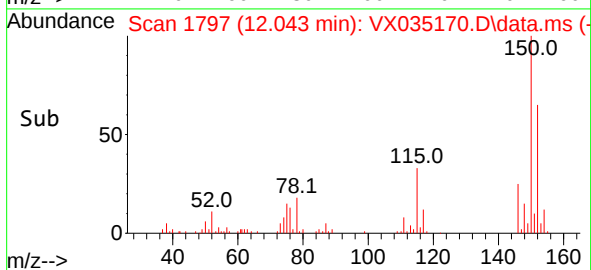
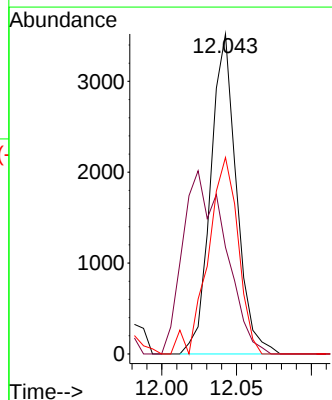
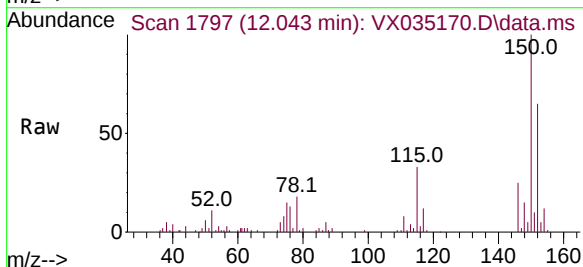
Instrument :  
MSVOA\_X  
ClientSampleId :

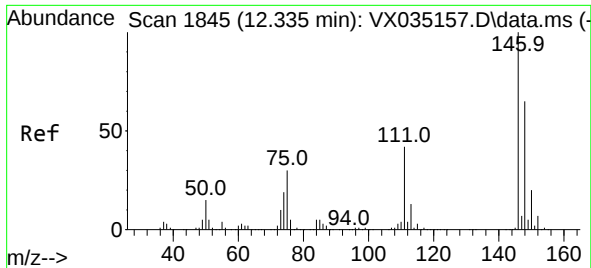
Tgt Ion:112 Resp: 8067  
Ion Ratio Lower Upper  
112 100  
114 32.9 22.4 41.6  
77 59.2 47.0 70.6



#65  
1,4-Dichlorobenzene  
Concen: 0.795 ug/L  
RT: 12.043 min Scan# 1797  
Delta R.T. -0.000 min  
Lab File: VX035170.D  
Acq: 19 Apr 2023 15:29

Tgt Ion:146 Resp: 4241  
Ion Ratio Lower Upper  
146 100  
111 33.4 27.9 51.7  
148 61.4 45.9 85.3





#67

1,2-Dichlorobenzene

Concen: 1.499 ug/L

RT: 12.335 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX035170.D

Acq: 19 Apr 2023 15:29

Instrument :

MSVOA\_X

ClientSampleId :

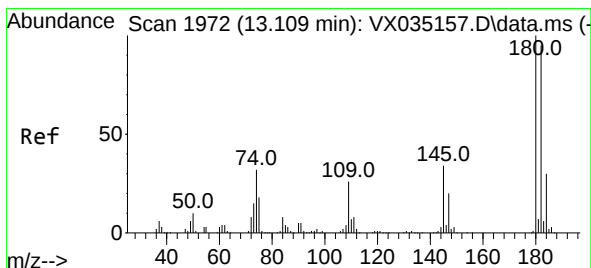
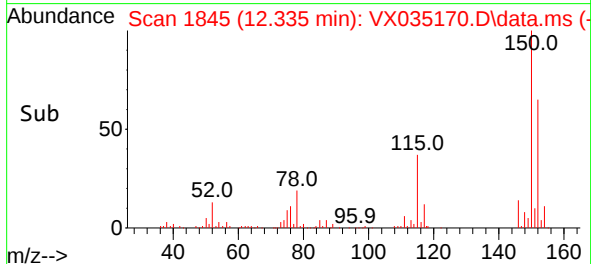
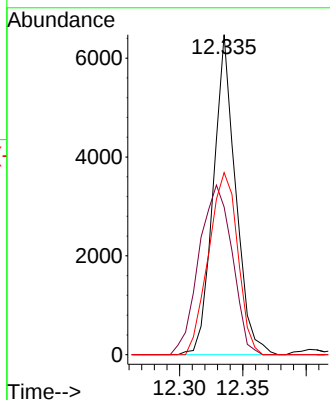
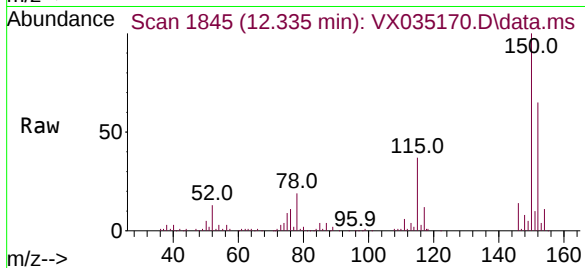
Tgt Ion:146 Resp: 7929

Ion Ratio Lower Upper

146 100

111 46.1 34.7 52.1

148 56.9 52.1 78.1



#69

1,3,5-Trichlorobenzene

Concen: 1.316 ug/L

RT: 13.591 min Scan# 2051

Delta R.T. 0.482 min

Lab File: VX035170.D

Acq: 19 Apr 2023 15:29

Tgt Ion:180 Resp: 4243

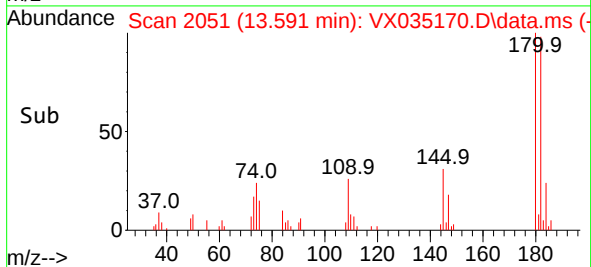
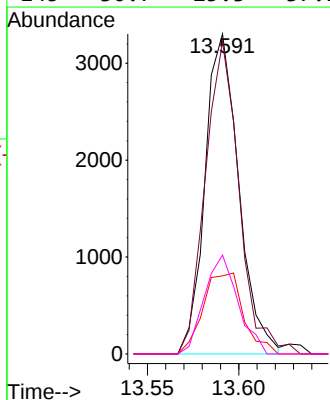
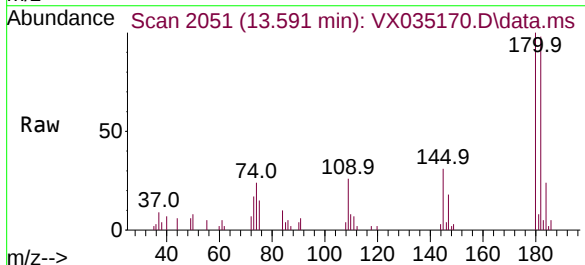
Ion Ratio Lower Upper

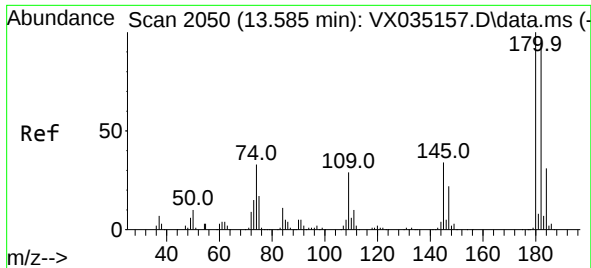
180 100

182 97.8 75.4 113.0

184 30.2 23.8 35.8

145 30.7 25.3 37.9





#70

1,2,4-trichlorobenzene

Concen: 1.405 ug/L

RT: 13.591 min Scan# 20

Delta R.T. 0.006 min

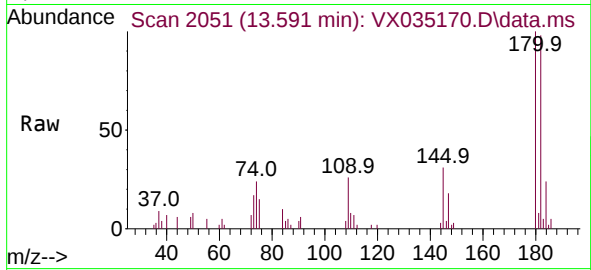
Lab File: VX035170.D

Acq: 19 Apr 2023 15:29

Instrument :

MSVOA\_X

ClientSampleId :



Tgt Ion:180 Resp: 4243

Ion Ratio Lower Upper

180 100

182 97.8 76.6 114.8

145 30.7 26.2 39.4

