

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX042023\  
 Data File : VX035212.D  
 Acq On : 20 Apr 2023 13:53  
 Operator : JC/MD  
 Sample : 02378-12DL 40X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 COMK5DL

Quant Time: Apr 20 23:29:30 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML041823WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Apr 20 23:27:37 2023  
 Response via : Initial Calibration

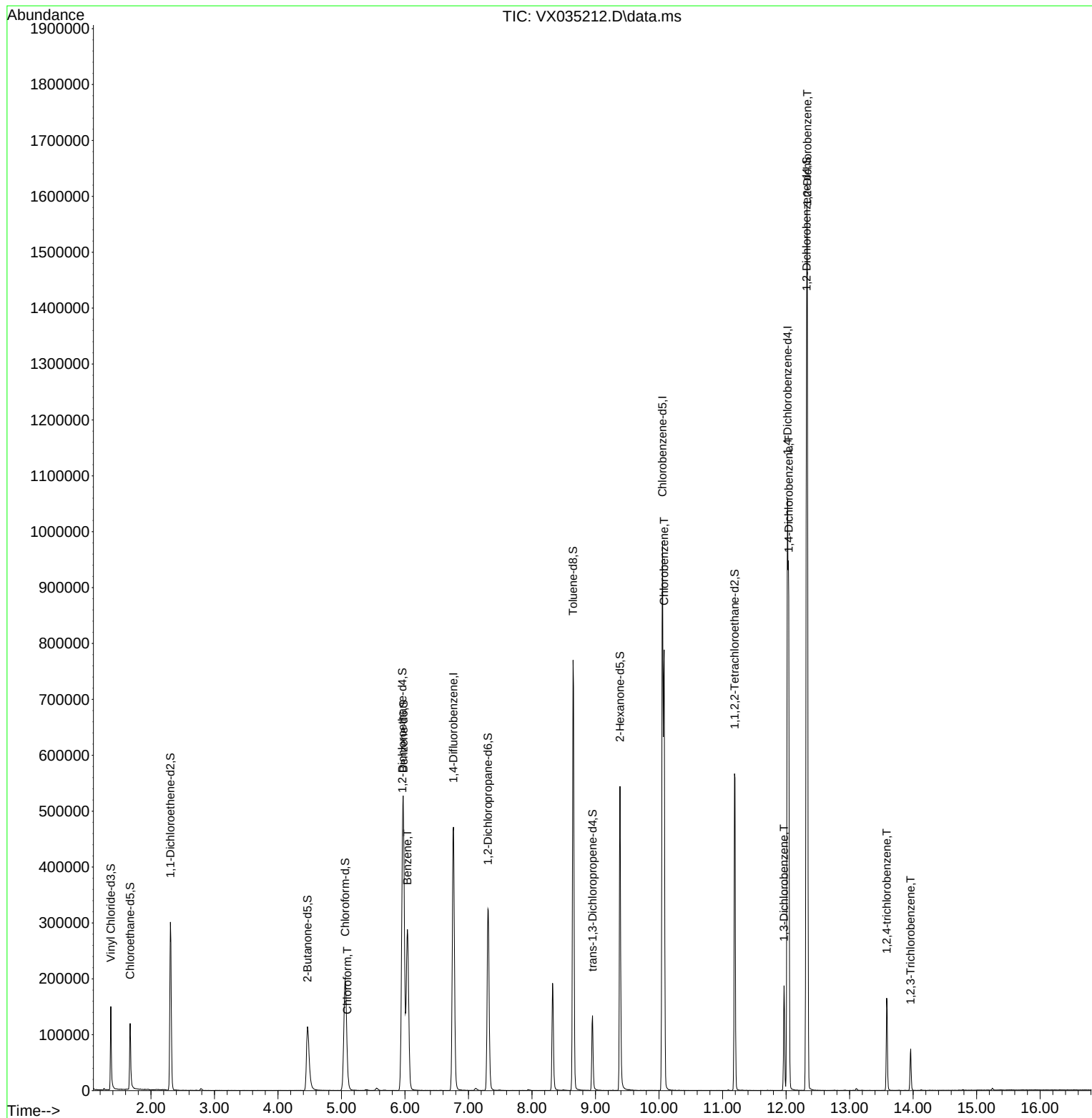
| Compound                      | R.T.           | QIon | Response   | Conc     | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|-------|----------|
| -----                         |                |      |            |          |       |          |
| Internal Standards            |                |      |            |          |       |          |
| 1) 1,4-Difluorobenzene        | 6.763          | 114  | 490302     | 50.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 10.055         | 117  | 429167     | 50.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 206505     | 50.000   | ug/L  | 0.00     |
|                               |                |      |            |          |       |          |
| System Monitoring Compounds   |                |      |            |          |       |          |
| 4) Vinyl Chloride-d3          | 1.368          | 65   | 102518     | 32.427   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 64.860%  |       |          |
| 7) Chloroethane-d5            | 1.672          | 69   | 87523      | 38.313   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 76.620%  |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.306          | 65   | 55129      | 36.444   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 72.880%  |       |          |
| 21) 2-Butanone-d5             | 4.465          | 46   | 223297     | 105.989  | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 105.990% |       |          |
| 24) Chloroform-d              | 5.056          | 84   | 255635     | 42.937   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 85.880%  |       |          |
| 26) 1,2-Dichloroethane-d4     | 5.958          | 65   | 173996     | 45.510   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 91.020%  |       |          |
| 32) Benzene-d6                | 5.977          | 84   | 526048     | 42.670   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 85.340%  |       |          |
| 36) 1,2-Dichloropropane-d6    | 7.306          | 67   | 170161     | 45.185   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 90.380%  |       |          |
| 41) Toluene-d8                | 8.647          | 98   | 459124     | 40.749   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 81.500%  |       |          |
| 43) trans-1,3-Dichloroprop... | 8.952          | 79   | 63756      | 38.740   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 77.480%  |       |          |
| 47) 2-Hexanone-d5             | 9.384          | 63   | 154432     | 102.119  | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 102.120% |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 11.189         | 84   | 224622     | 48.704   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 97.400%  |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.323         | 152  | 181328     | 45.311   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 90.620%  |       |          |
|                               |                |      |            |          |       |          |
| Target Compounds              |                |      |            |          |       | Qvalue   |
| 25) Chloroform                | 5.093          | 83   | 12252      | 2.078    | ug/L  | 92       |
| 33) Benzene                   | 6.037          | 78   | 358750     | 27.603   | ug/L  | 100      |
| 51) Chlorobenzene             | 10.079         | 112  | 339545     | 38.221   | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.969         | 146  | 58567      | 9.145    | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 12.043         | 146  | 271482     | 41.428   | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 12.335         | 146  | 434049     | 66.844   | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.585         | 180  | 38932      | 10.502   | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.963         | 180  | 17489      | 4.779    | ug/L  | 99       |
| -----                         |                |      |            |          |       |          |

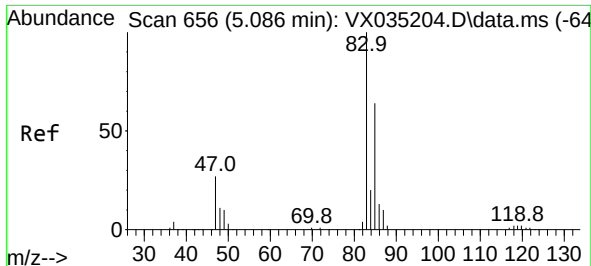
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 12 Sample Multiplier: 1

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MSVOA\_X  
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COMK5DL

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM041823WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Apr 20 23:27:37 2023  
Response via : Initial Calibration





#25

Chloroform

Concen: 2.078 ug/L

RT: 5.093 min Scan# 6

Delta R.T. 0.006 min

Lab File: VX035212.D

Acq: 20 Apr 2023 13:53

Instrument :

MSVOA\_X

ClientSampleId :

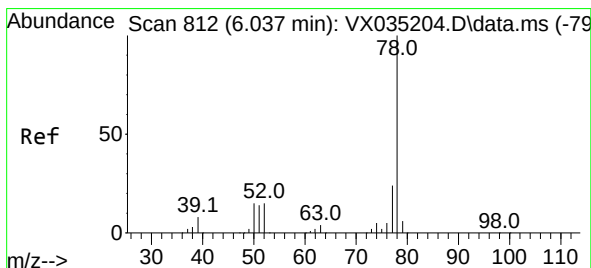
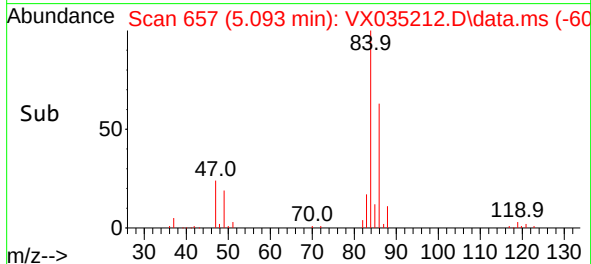
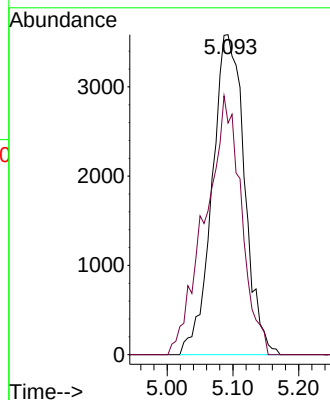
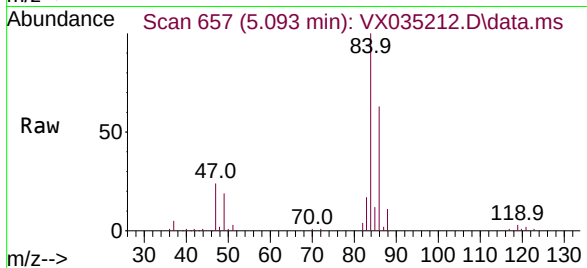
COMK5DL

Tgt Ion: 83 Resp: 12252

Ion Ratio Lower Upper

83 100

85 72.4 46.0 85.4



#33

Benzene

Concen: 27.603 ug/L

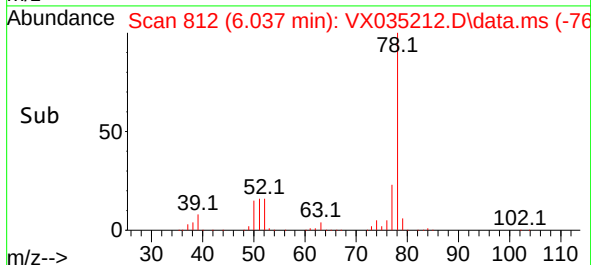
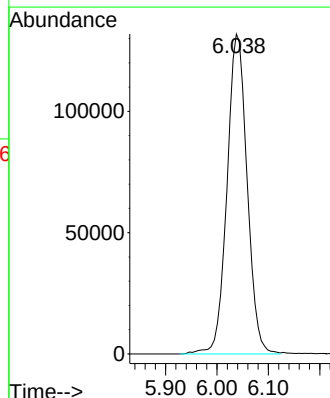
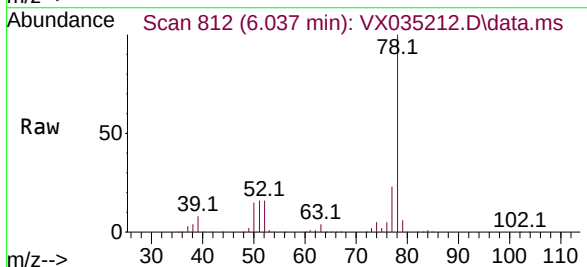
RT: 6.037 min Scan# 812

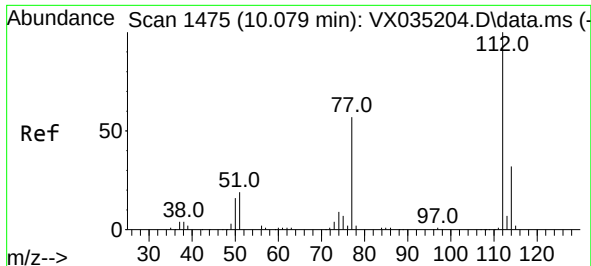
Delta R.T. 0.000 min

Lab File: VX035212.D

Acq: 20 Apr 2023 13:53

Tgt Ion: 78 Resp: 358750

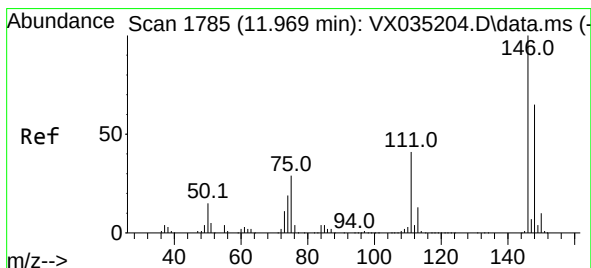
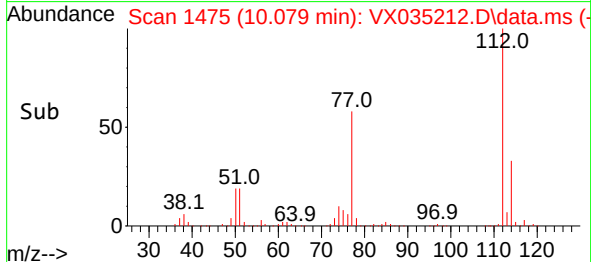
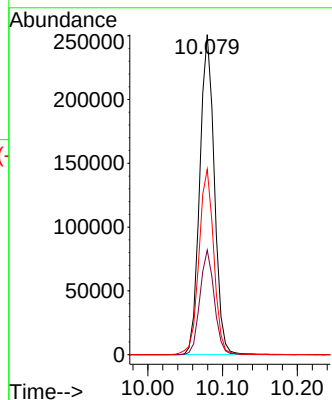
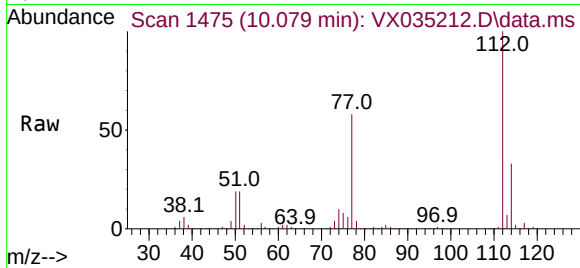




#51  
Chlorobenzene  
Concen: 38.221 ug/L  
RT: 10.079 min Scan# 1475  
Delta R.T. 0.000 min  
Lab File: VX035212.D  
Acq: 20 Apr 2023 13:53

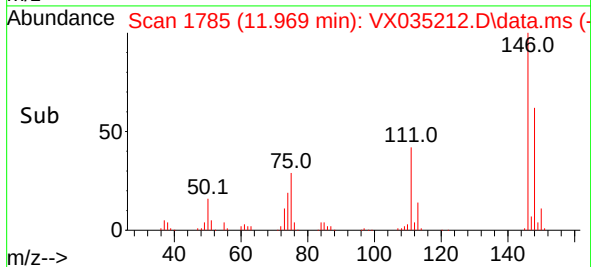
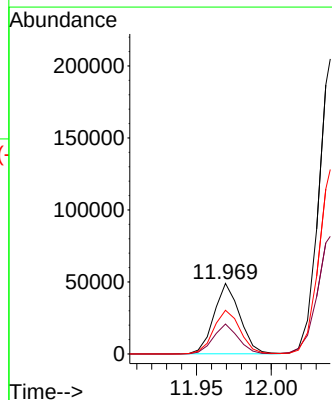
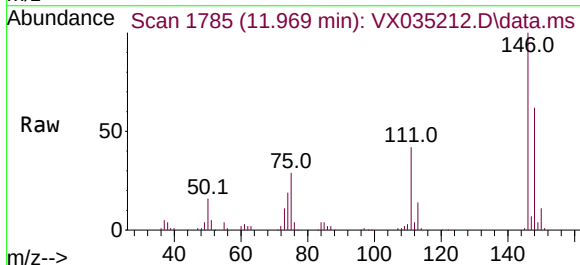
Instrument :  
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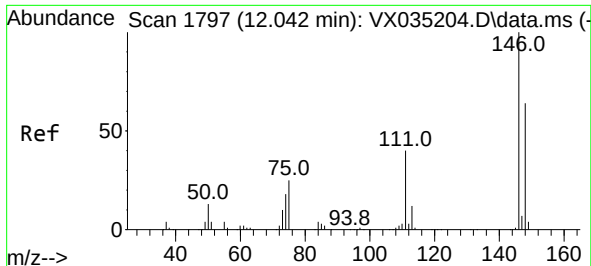
Tgt Ion:112 Resp: 339545  
Ion Ratio Lower Upper  
112 100  
114 32.7 22.4 41.6  
77 57.9 47.0 70.6



#64  
1,3-Dichlorobenzene  
Concen: 9.145 ug/L  
RT: 11.969 min Scan# 1785  
Delta R.T. 0.000 min  
Lab File: VX035212.D  
Acq: 20 Apr 2023 13:53

Tgt Ion:146 Resp: 58567  
Ion Ratio Lower Upper  
146 100  
111 42.5 28.9 53.7  
148 61.9 44.3 82.3





#65

1,4-Dichlorobenzene

Concen: 41.428 ug/L

RT: 12.043 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX035212.D

Acq: 20 Apr 2023 13:53

Instrument :

MSVOA\_X

ClientSampleId :

COMK5DL

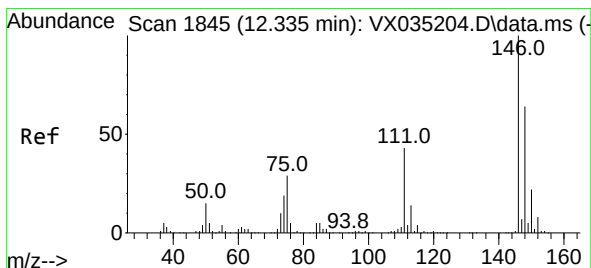
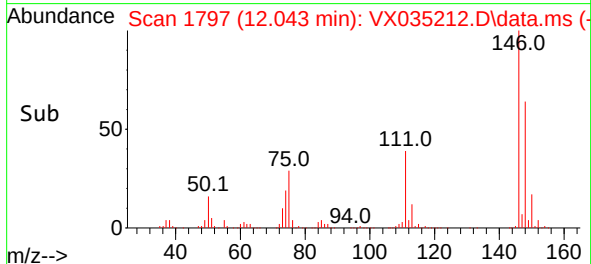
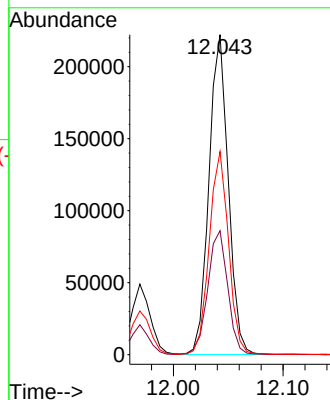
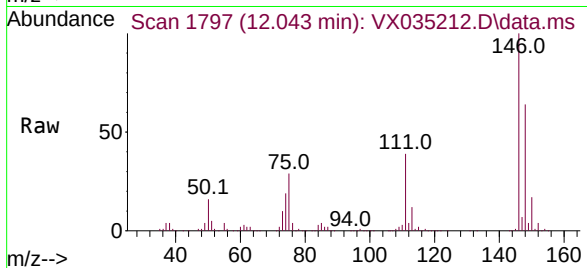
Tgt Ion:146 Resp: 271482

Ion Ratio Lower Upper

146 100

111 38.7 27.9 51.7

148 63.5 45.9 85.3



#67

1,2-Dichlorobenzene

Concen: 66.844 ug/L

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX035212.D

Acq: 20 Apr 2023 13:53

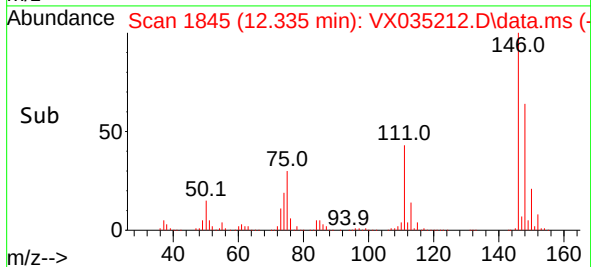
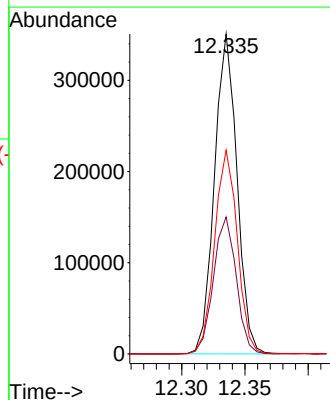
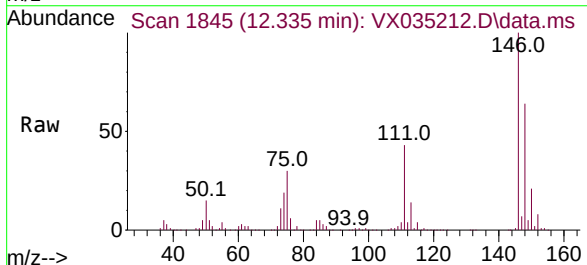
Tgt Ion:146 Resp: 434049

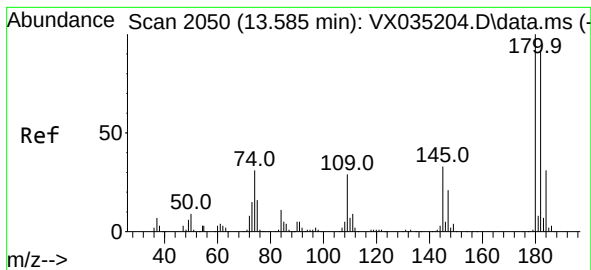
Ion Ratio Lower Upper

146 100

111 42.8 34.7 52.1

148 63.7 52.1 78.1





#70

1,2,4-trichlorobenzene

Concen: 10.502 ug/L

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX035212.D

Acq: 20 Apr 2023 13:53

Instrument :

MSVOA\_X

ClientSampleId :

COMK5DL

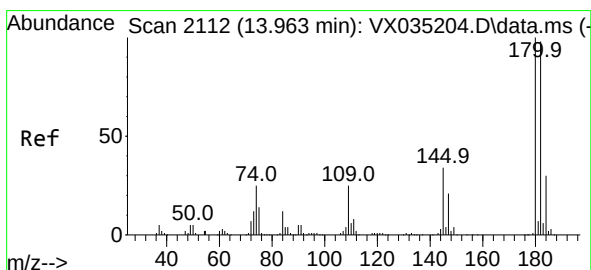
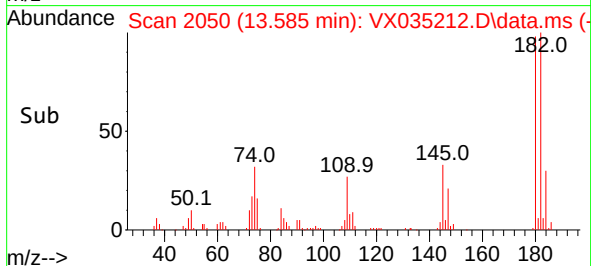
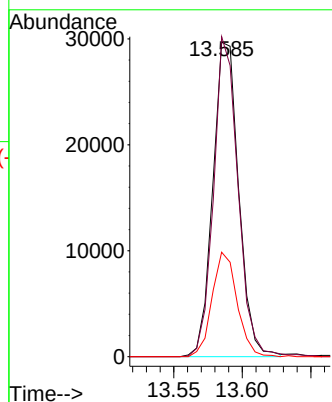
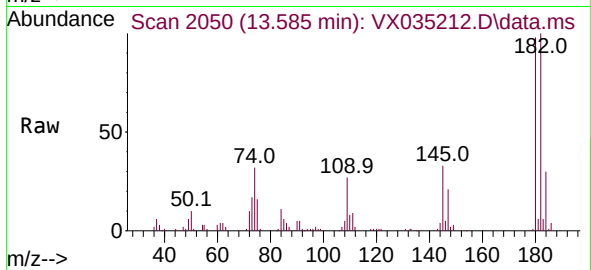
Tgt Ion:180 Resp: 38932

Ion Ratio Lower Upper

180 100

182 96.0 76.6 114.8

145 32.2 26.2 39.4



#72

1,2,3-Trichlorobenzene

Concen: 4.779 ug/L

RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX035212.D

Acq: 20 Apr 2023 13:53

Tgt Ion:180 Resp: 17489

Ion Ratio Lower Upper

180 100

182 94.9 75.0 112.6

145 32.6 27.1 40.7

