

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW020224\  
 Data File : VW033973.D  
 Acq On : 02 Feb 2024 16:28  
 Operator : SY/MD  
 Sample : P1348-01 100X  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0R23

Quant Time: Feb 03 03:37:26 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM011024WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Feb 03 01:42:15 2024  
 Response via : Initial Calibration

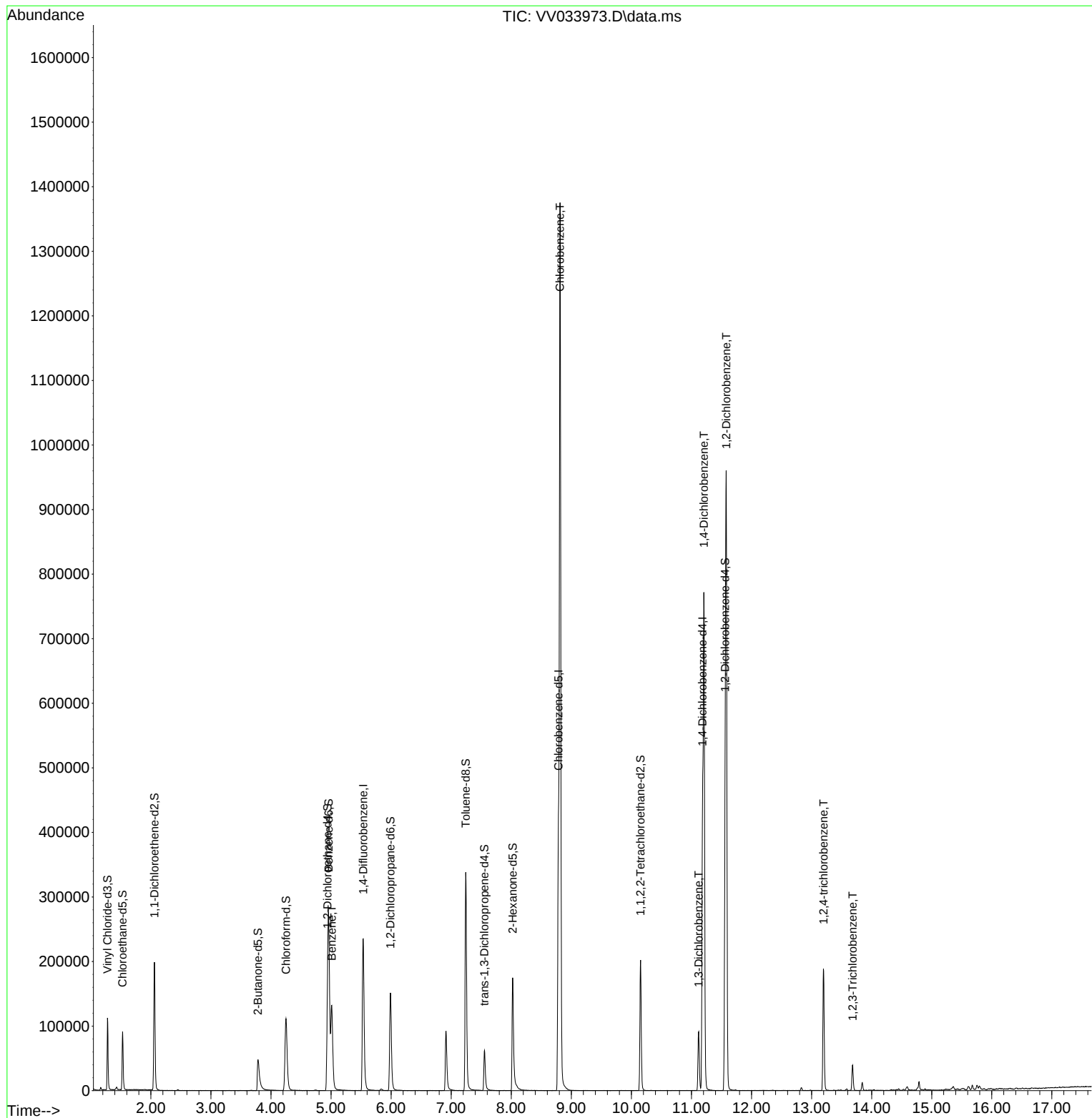
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) 1,4-Difluorobenzene        | 5.535          | 114  | 202830     | 50.000  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.786          | 117  | 189410     | 50.000  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.185         | 152  | 99356      | 50.000  | ug/L   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 4) Vinyl Chloride-d3          | 1.278          | 65   | 72839      | 46.726  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 93.460% |        |          |
| 7) Chloroethane-d5            | 1.529          | 69   | 58724      | 47.570  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 95.140% |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.060          | 65   | 33088      | 49.320  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 98.640% |        |          |
| 21) 2-Butanone-d5             | 3.783          | 46   | 81752      | 76.459  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 76.460% |        |          |
| 24) Chloroform-d              | 4.249          | 84   | 119691     | 42.940  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 85.880% |        |          |
| 26) 1,2-Dichloroethane-d4     | 4.941          | 65   | 83361      | 46.286  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 92.580% |        |          |
| 32) Benzene-d6                | 4.960          | 84   | 235160     | 43.671  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 87.340% |        |          |
| 36) 1,2-Dichloropropane-d6    | 5.989          | 67   | 70878      | 39.988  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 79.980% |        |          |
| 41) Toluene-d8                | 7.243          | 98   | 218308     | 44.996  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 90.000% |        |          |
| 43) trans-1,3-Dichloroprop... | 7.555          | 79   | 36122      | 41.235  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 82.460% |        |          |
| 47) 2-Hexanone-d5             | 8.024          | 63   | 60495      | 82.280  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 82.280% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.153         | 84   | 90690      | 40.078  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 80.160% |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.561         | 152  | 84678      | 44.920  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 89.840% |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         | Qvalue |          |
| 33) Benzene                   | 5.011          | 78   | 132593     | 23.834  | ug/L   | 100      |
| 51) Chlorobenzene             | 8.812          | 112  | 688141     | 183.698 | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 11.120         | 146  | 36244      | 11.936  | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 11.207         | 146  | 284506     | 93.445  | ug/L   | 100      |
| 67) 1,2-Dichlorobenzene       | 11.580         | 146  | 335670     | 113.137 | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene    | 13.197         | 180  | 53330      | 26.186  | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.683         | 180  | 11662      | 6.135   | ug/L   | 95       |
| -----                         |                |      |            |         |        |          |

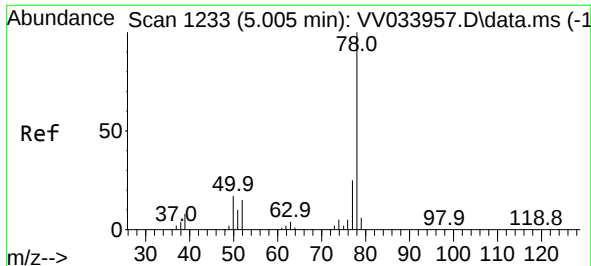
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 18 Sample Multiplier: 1

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Quant Title : VOC Analysis  
QLast Update : Sat Feb 03 01:42:15 2024  
Response via : Initial Calibration

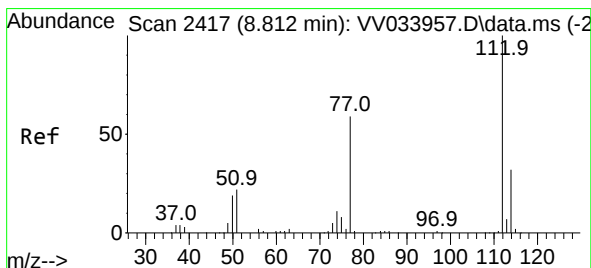
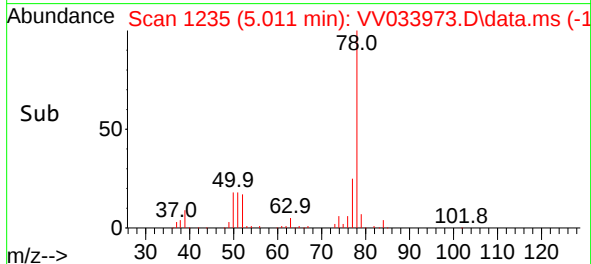
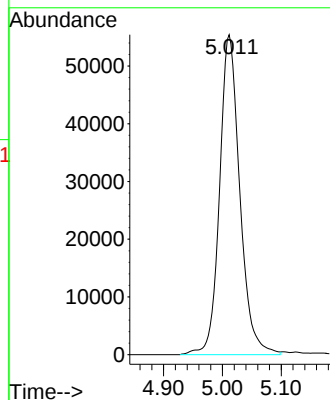
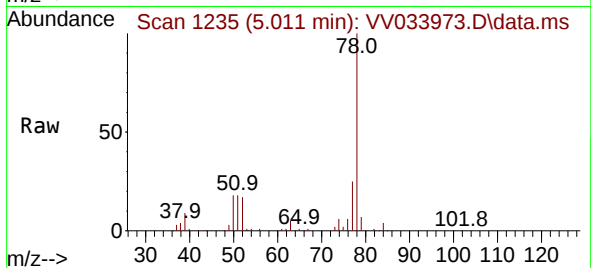




#33  
Benzene  
Concen: 23.834 ug/L  
RT: 5.011 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VV033973.D  
Acq: 02 Feb 2024 16:28

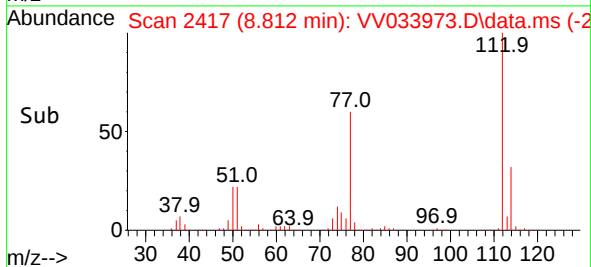
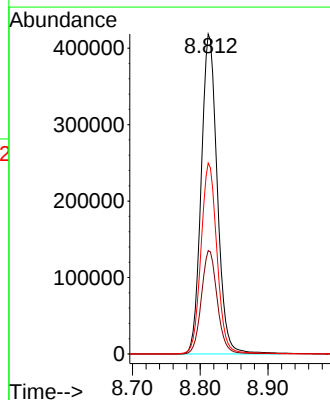
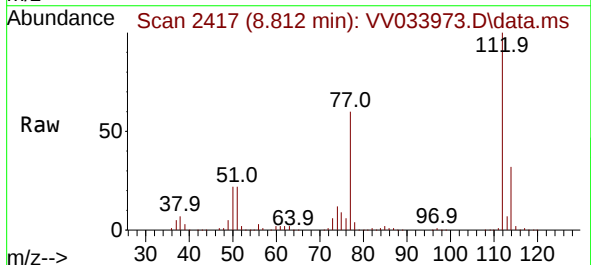
Instrument :  
MSVOA\_V  
ClientSampleId :  
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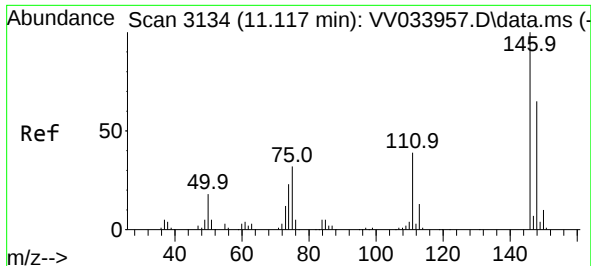
Tgt Ion: 78 Resp: 132593



#51  
Chlorobenzene  
Concen: 183.698 ug/L  
RT: 8.812 min Scan# 2417  
Delta R.T. 0.000 min  
Lab File: VV033973.D  
Acq: 02 Feb 2024 16:28

Tgt Ion: 112 Resp: 688141  
Ion Ratio Lower Upper  
112 100  
114 32.3 22.5 41.7  
77 59.6 49.4 74.0

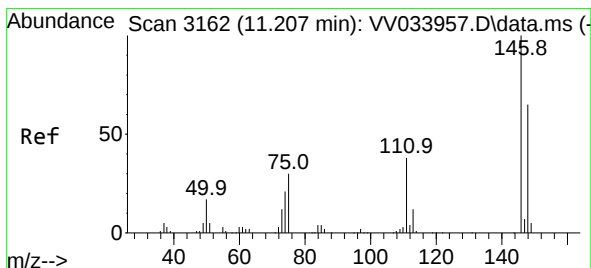
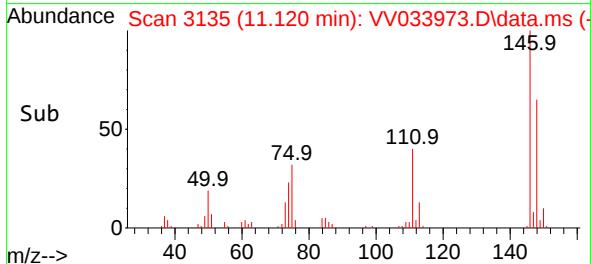
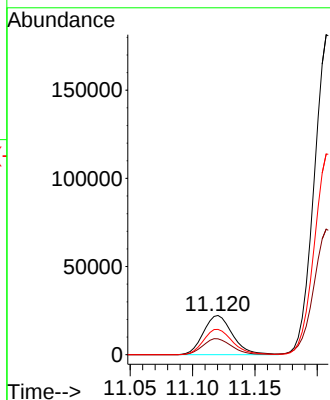
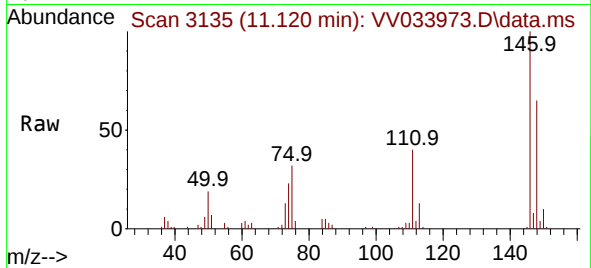




#64  
1,3-Dichlorobenzene  
Concen: 11.936 ug/L  
RT: 11.120 min Scan# 3135  
Delta R.T. 0.003 min  
Lab File: VV033973.D  
Acq: 02 Feb 2024 16:28

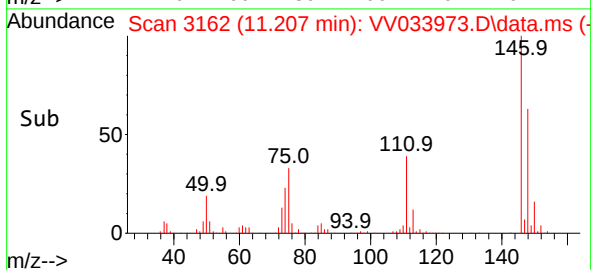
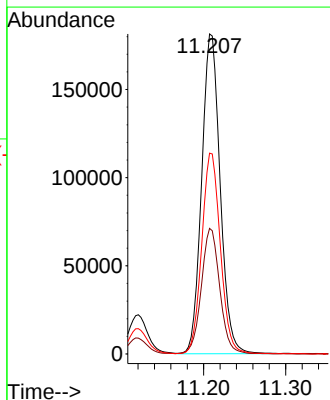
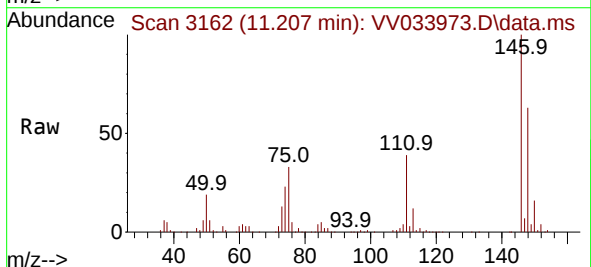
Instrument :  
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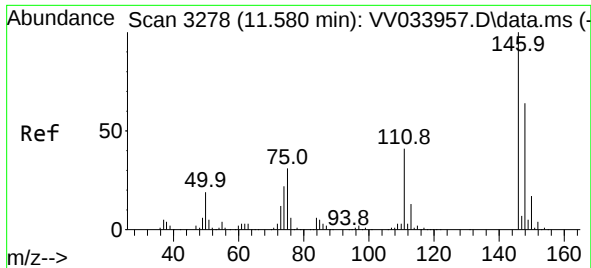
Tgt Ion:146 Resp: 36244  
Ion Ratio Lower Upper  
146 100  
111 40.4 29.0 53.8  
148 64.5 43.9 81.5



#65  
1,4-Dichlorobenzene  
Concen: 93.445 ug/L  
RT: 11.207 min Scan# 3162  
Delta R.T. 0.000 min  
Lab File: VV033973.D  
Acq: 02 Feb 2024 16:28

Tgt Ion:146 Resp: 284506  
Ion Ratio Lower Upper  
146 100  
111 39.3 27.7 51.5  
148 62.8 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 113.137 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033973.D

Acq: 02 Feb 2024 16:28

Instrument :

MSVOA\_V

ClientSampleId :

C0R23

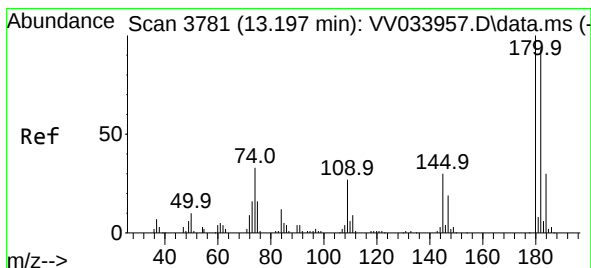
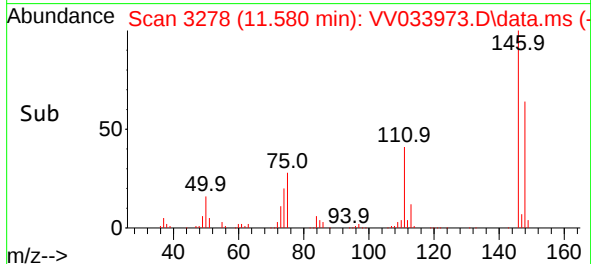
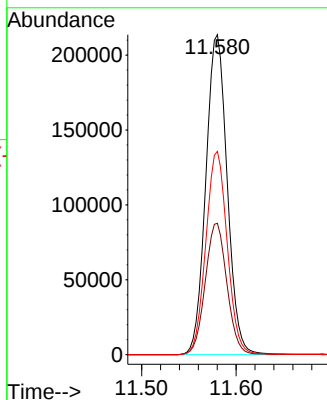
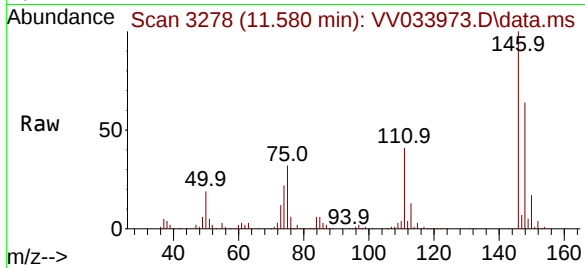
Tgt Ion:146 Resp: 335670

Ion Ratio Lower Upper

146 100

111 41.1 35.4 53.0

148 63.6 52.0 78.0



#70

1,2,4-trichlorobenzene

Concen: 26.186 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.000 min

Lab File: VV033973.D

Acq: 02 Feb 2024 16:28

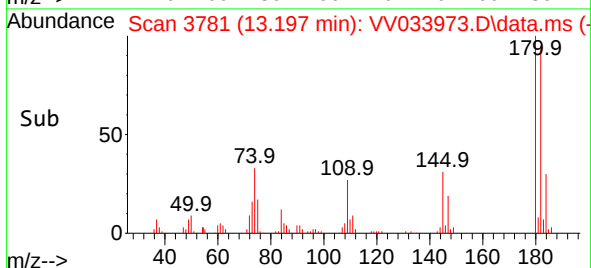
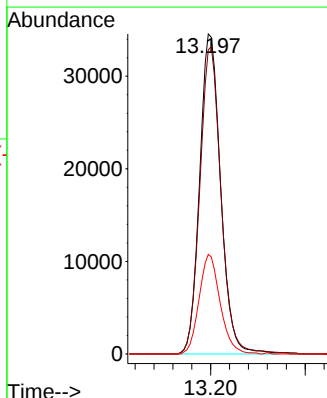
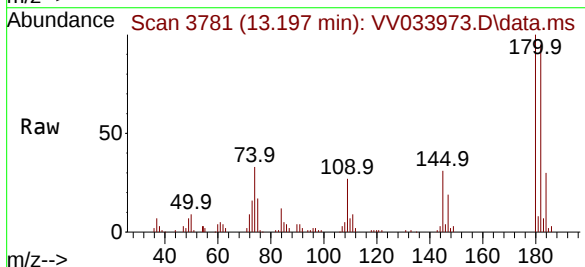
Tgt Ion:180 Resp: 53330

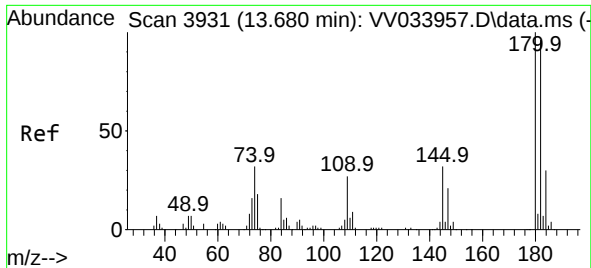
Ion Ratio Lower Upper

180 100

182 95.7 76.3 114.5

145 31.2 25.4 38.0





#72  
 1,2,3-Trichlorobenzene  
 Concen: 6.135 ug/L  
 RT: 13.683 min Scan# 3931  
 Delta R.T. 0.003 min  
 Lab File: VV033973.D  
 Acq: 02 Feb 2024 16:28

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
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|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 11662      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 102.2 | 76.0 114.0 |
| 145         | 32.9  | 26.3 39.5  |

