

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW042324\  
 Data File : VW035360.D  
 Acq On : 23 Apr 2024 14:47  
 Operator : SY/MD  
 Sample : P2182-11 20X  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Apr 23 23:29:38 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM032624WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Apr 23 23:26:51 2024  
 Response via : Initial Calibration

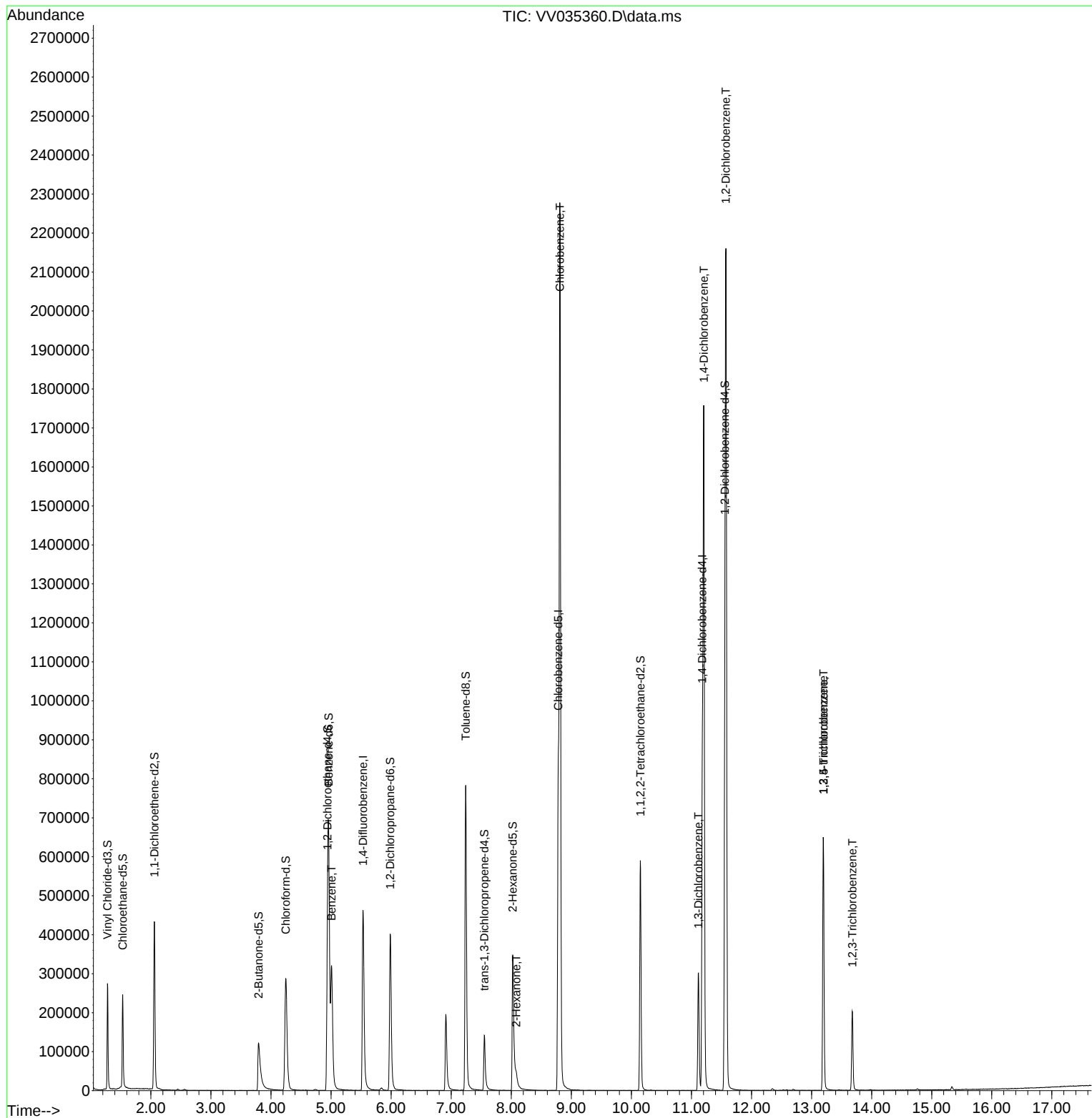
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) 1,4-Difluorobenzene        | 5.532          | 114  | 418719     | 50.000  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.783          | 117  | 423721     | 50.000  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.182         | 152  | 215071     | 50.000  | ug/L   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 4) Vinyl Chloride-d3          | 1.278          | 65   | 180164     | 44.553  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 89.100% |        |          |
| 7) Chloroethane-d5            | 1.532          | 69   | 149537     | 42.575  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 85.160% |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.060          | 65   | 75084      | 42.358  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 84.720% |        |          |
| 21) 2-Butanone-d5             | 3.793          | 46   | 203743     | 84.953  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 84.950% |        |          |
| 24) Chloroform-d              | 4.246          | 84   | 317331     | 46.674  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 93.340% |        |          |
| 26) 1,2-Dichloroethane-d4     | 4.941          | 65   | 199235     | 46.156  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 92.320% |        |          |
| 32) Benzene-d6                | 4.960          | 84   | 640302     | 44.987  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 89.980% |        |          |
| 36) 1,2-Dichloropropane-d6    | 5.986          | 67   | 208417     | 46.113  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 92.220% |        |          |
| 41) Toluene-d8                | 7.243          | 98   | 549368     | 42.859  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 85.720% |        |          |
| 43) trans-1,3-Dichloroprop... | 7.551          | 79   | 91157      | 41.487  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 82.980% |        |          |
| 47) 2-Hexanone-d5             | 8.024          | 63   | 120328     | 70.416  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 70.420% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149         | 84   | 285026     | 45.795  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 91.600% |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.558         | 152  | 236552     | 48.988  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 97.980% |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         | Qvalue |          |
| 33) Benzene                   | 5.008          | 78   | 346775     | 25.098  | ug/L   | 100      |
| 48) 2-Hexanone                | 8.085          | 43   | 26990      | 6.509   | ug/L # | 91       |
| 51) Chlorobenzene             | 8.809          | 112  | 1219970    | 130.126 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.117         | 146  | 127912     | 17.653  | ug/L   | 96       |
| 65) 1,4-Dichlorobenzene       | 11.207         | 146  | 681316     | 92.465  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 11.574         | 146  | 795337     | 110.188 | ug/L   | 99       |
| 69) 1,3,5-Trichlorobenzene    | 13.198         | 180  | 206706     | 39.584  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.198         | 180  | 206706     | 43.093  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.680         | 180  | 65614      | 13.877  | ug/L   | 99       |
| -----                         |                |      |            |         |        |          |

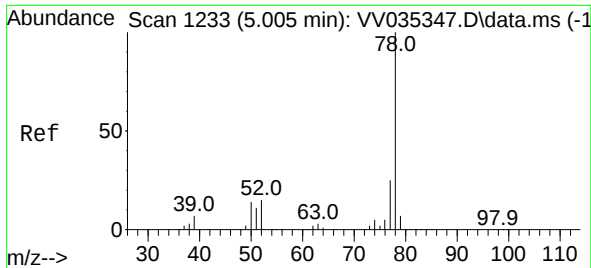
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV042324\  
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Sample : P2182-11 20X  
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ALS Vial : 16 Sample Multiplier: 1

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Quant Title : VOC Analysis  
QLast Update : Tue Apr 23 23:26:51 2024  
Response via : Initial Calibration

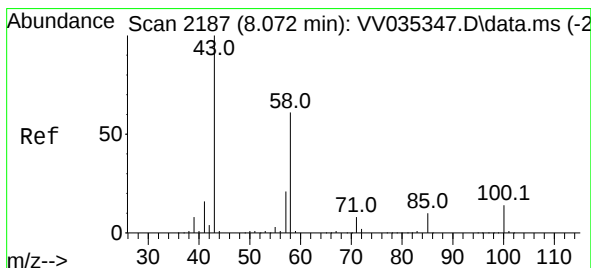
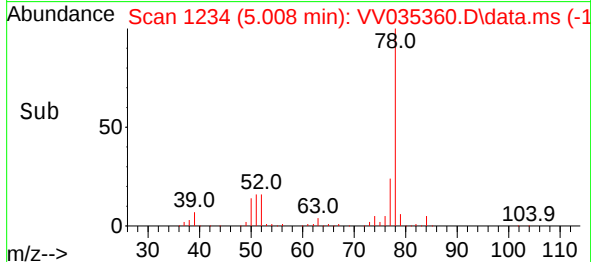
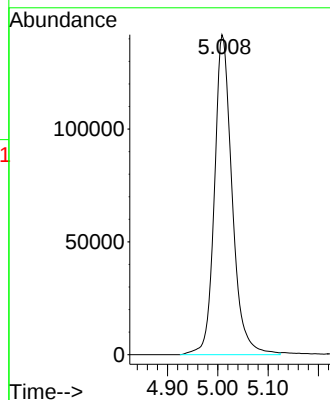
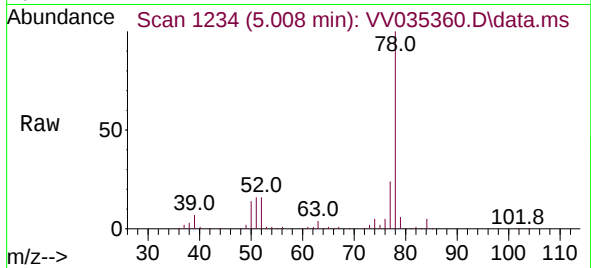




#33  
Benzene  
Concen: 25.098 ug/L  
RT: 5.008 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VV035360.D  
Acq: 23 Apr 2024 14:47

Instrument :  
MSVOA\_V  
ClientSampleId :

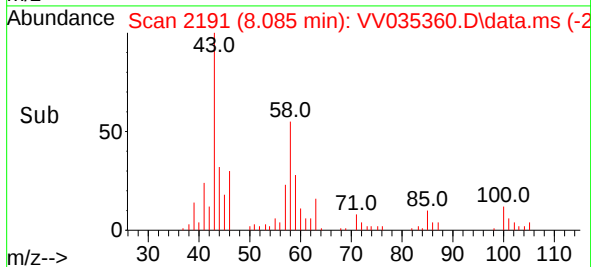
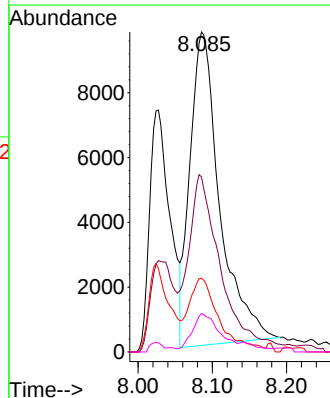
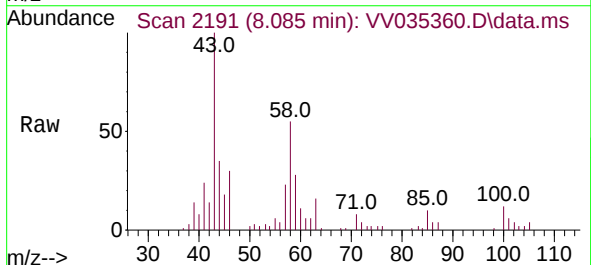
Tgt Ion: 78 Resp: 346775

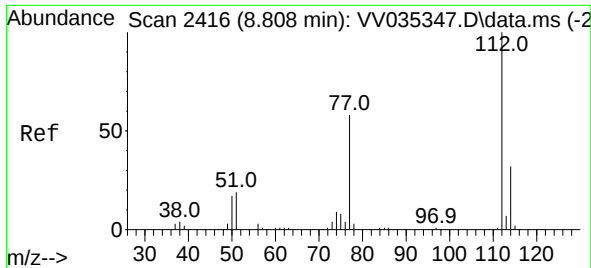


#48  
2-Hexanone  
Concen: 6.509 ug/L  
RT: 8.085 min Scan# 2191  
Delta R.T. 0.013 min  
Lab File: VV035360.D  
Acq: 23 Apr 2024 14:47

Tgt Ion: 43 Resp: 26990  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 49.5  | 45.4  | 68.2  |
| 57  | 17.6  | 16.2  | 24.4  |
| 100 | 9.6   | 10.1  | 15.1  |





#51

Chlorobenzene

Concen: 130.126 ug/L

RT: 8.809 min Scan# 2416

Delta R.T. 0.000 min

Lab File: VV035360.D

Acq: 23 Apr 2024 14:47

Instrument :

MSVOA\_V

ClientSampleId :

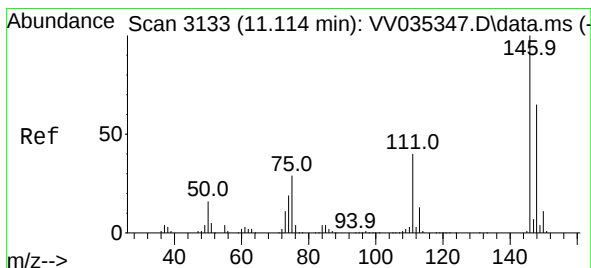
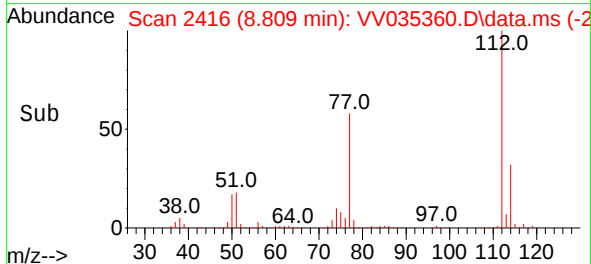
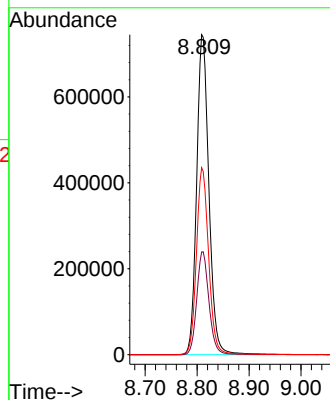
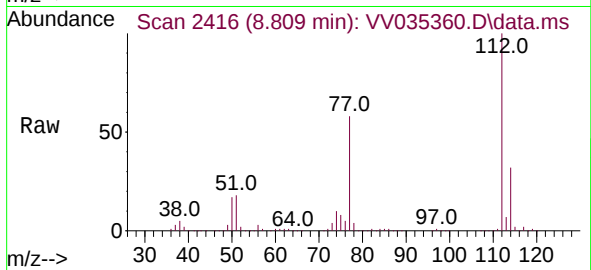
Tgt Ion:112 Resp: 1219970

Ion Ratio Lower Upper

112 100

114 32.1 22.0 41.0

77 58.4 47.4 71.2



#64

1,3-Dichlorobenzene

Concen: 17.653 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. 0.003 min

Lab File: VV035360.D

Acq: 23 Apr 2024 14:47

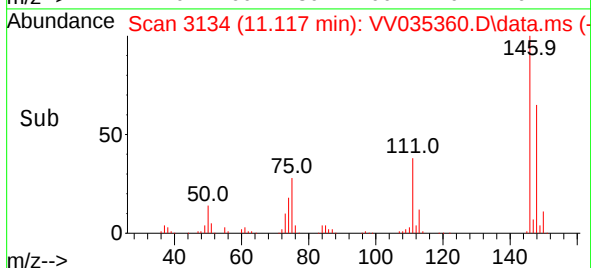
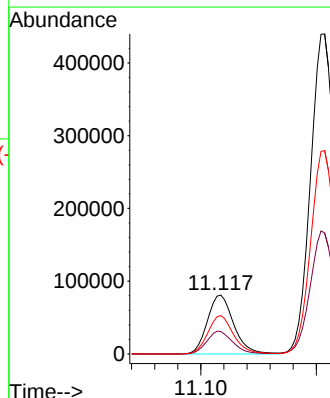
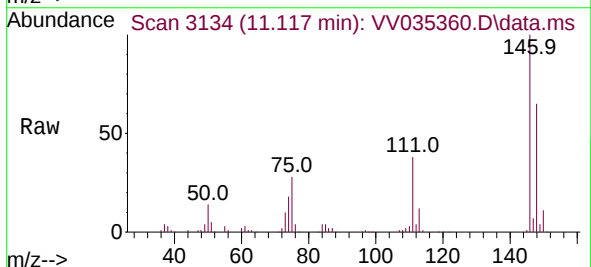
Tgt Ion:146 Resp: 127912

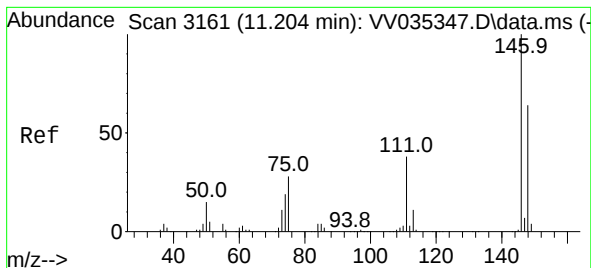
Ion Ratio Lower Upper

146 100

111 38.0 28.7 53.3

148 65.2 44.0 81.8





#65

1,4-Dichlorobenzene

Concen: 92.465 ug/L

RT: 11.207 min Scan# 3161

Delta R.T. 0.003 min

Lab File: VV035360.D

Acq: 23 Apr 2024 14:47

Instrument :

MSVOA\_V

ClientSampleId :

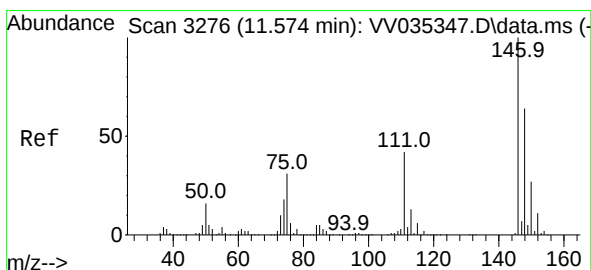
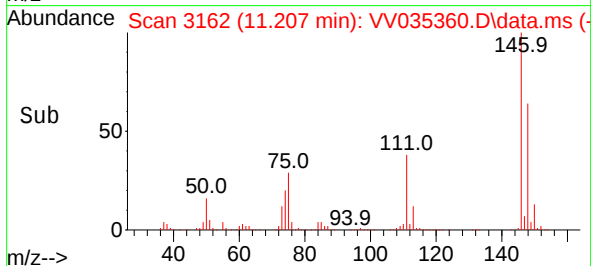
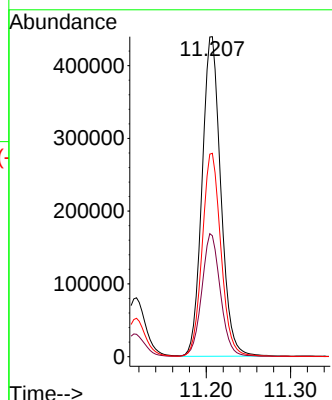
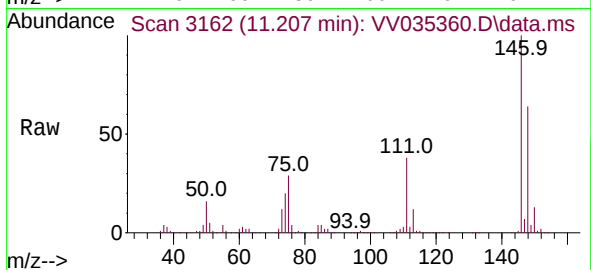
Tgt Ion:146 Resp: 681316

Ion Ratio Lower Upper

146 100

111 37.8 27.4 50.8

148 63.6 44.2 82.2



#67

1,2-Dichlorobenzene

Concen: 110.188 ug/L

RT: 11.574 min Scan# 3276

Delta R.T. 0.000 min

Lab File: VV035360.D

Acq: 23 Apr 2024 14:47

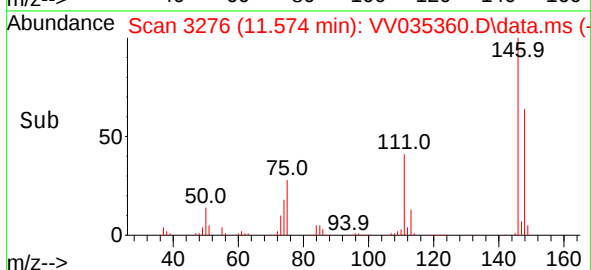
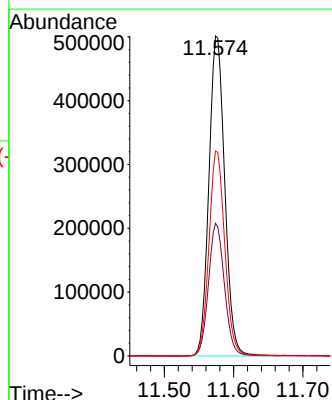
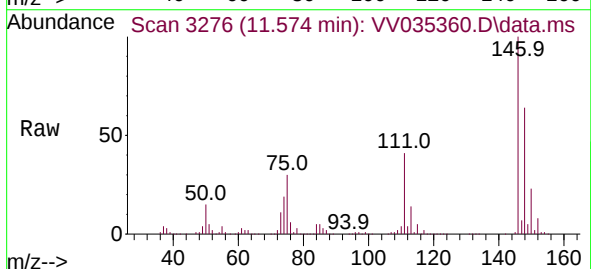
Tgt Ion:146 Resp: 795337

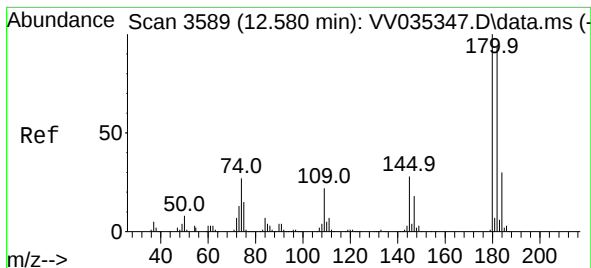
Ion Ratio Lower Upper

146 100

111 41.5 34.6 52.0

148 64.1 51.5 77.3





#69

1,3,5-Trichlorobenzene

Concen: 39.584 ug/L

RT: 13.198 min Scan# 3781

Delta R.T. 0.618 min

Lab File: VV035360.D

Acq: 23 Apr 2024 14:47

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion:180 Resp: 206706

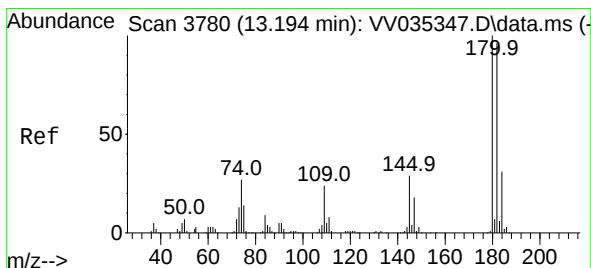
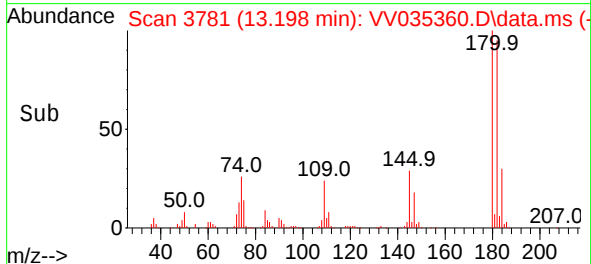
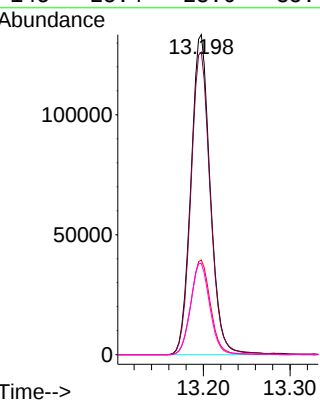
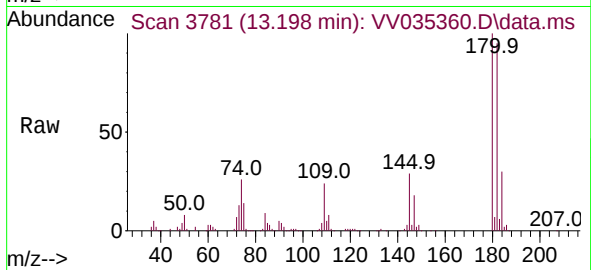
Ion Ratio Lower Upper

180 100

182 94.7 74.7 112.1

184 29.8 24.0 36.0

145 28.4 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 43.093 ug/L

RT: 13.198 min Scan# 3781

Delta R.T. 0.003 min

Lab File: VV035360.D

Acq: 23 Apr 2024 14:47

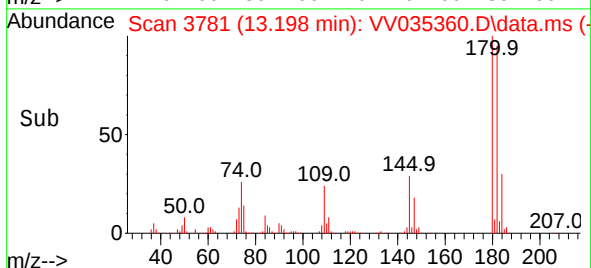
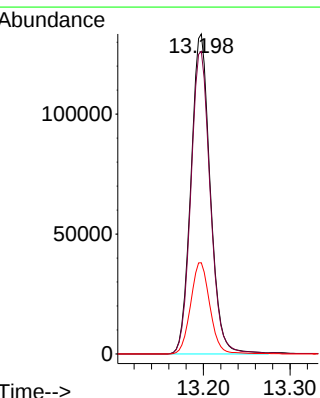
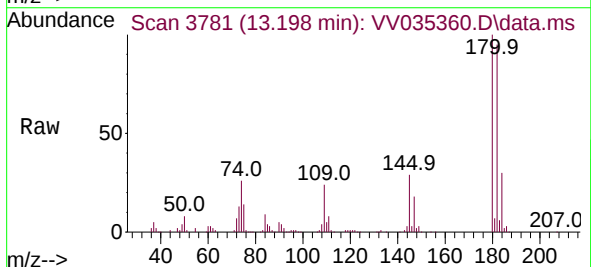
Tgt Ion:180 Resp: 206706

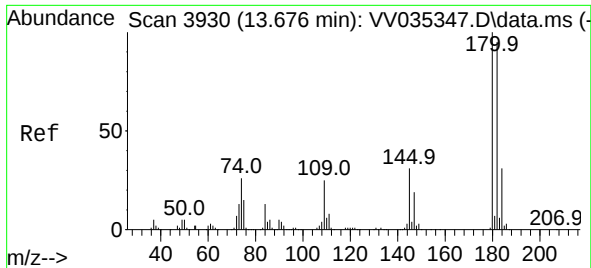
Ion Ratio Lower Upper

180 100

182 94.7 75.6 113.4

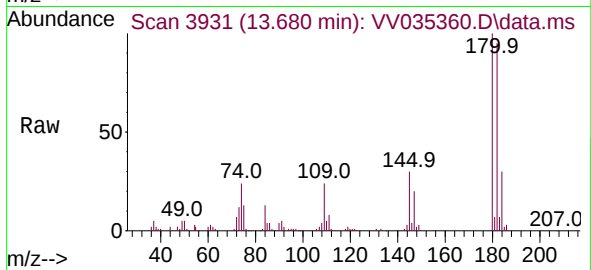
145 28.4 24.1 36.1





#72  
1,2,3-Trichlorobenzene  
Concen: 13.877 ug/L  
RT: 13.680 min Scan# 3931  
Delta R.T. 0.003 min  
Lab File: VV035360.D  
Acq: 23 Apr 2024 14:47

Instrument :  
MSVOA\_V  
ClientSampleId :



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.8  | 76.2  | 114.2 |
| 145     | 30.7  | 25.8  | 38.6  |

