

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW042324\  
 Data File : VW035366.D  
 Acq On : 23 Apr 2024 17:29  
 Operator : SY/MD  
 Sample : P2182-12 1000X  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Apr 23 23:31:00 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

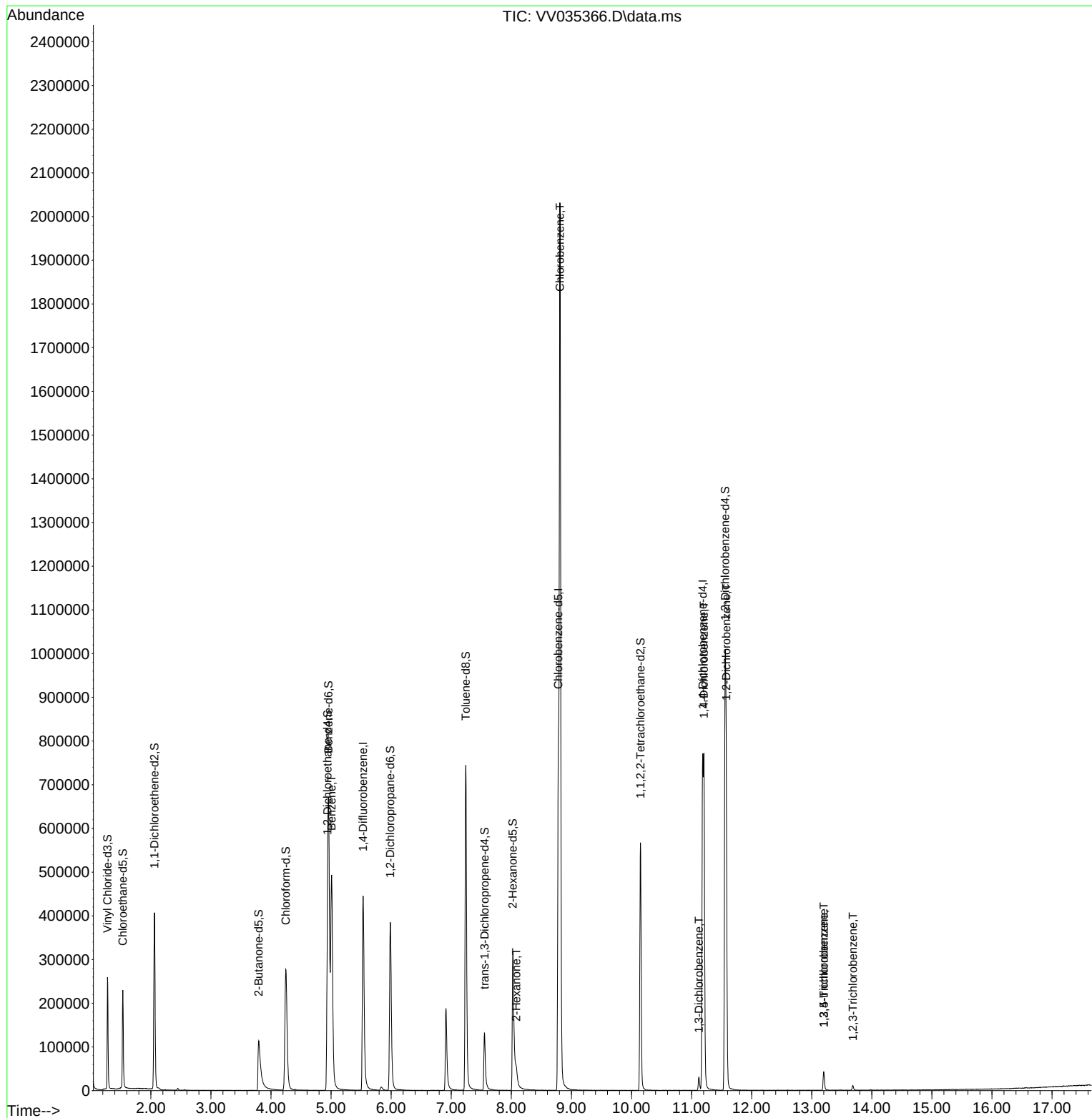
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.532          | 114  | 402956     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.783          | 117  | 406107     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.185         | 152  | 190508     | 50.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278          | 65   | 169133     | 43.462   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 86.920%  |        |          |
| 7) Chloroethane-d5            | 1.532          | 69   | 144324     | 42.698   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 85.400%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.060          | 65   | 70267      | 41.191   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 82.380%  |        |          |
| 21) 2-Butanone-d5             | 3.796          | 46   | 194833     | 84.416   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 84.420%  |        |          |
| 24) Chloroform-d              | 4.246          | 84   | 308675     | 47.177   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 94.360%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 4.940          | 65   | 193079     | 46.479   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 92.960%  |        |          |
| 32) Benzene-d6                | 4.957          | 84   | 610204     | 44.732   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 89.460%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 5.985          | 67   | 198943     | 45.926   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 91.860%  |        |          |
| 41) Toluene-d8                | 7.243          | 98   | 515121     | 41.930   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 83.860%  |        |          |
| 43) trans-1,3-Dichloroprop... | 7.554          | 79   | 84786      | 40.262   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 80.520%  |        |          |
| 47) 2-Hexanone-d5             | 8.024          | 63   | 111910     | 68.330   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 68.330%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149         | 84   | 278006     | 46.605   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 93.200%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.558         | 152  | 215822     | 50.457   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 100.920% |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 33) Benzene                   | 5.008          | 78   | 526336     | 39.746   | ug/L   | 100      |
| 48) 2-Hexanone                | 8.082          | 43   | 31591      | 7.949    | ug/L # | 87       |
| 51) Chlorobenzene             | 8.808          | 112  | 1103311    | 122.787  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.123         | 146  | 12995      | 2.025    | ug/L   | 95       |
| 65) 1,4-Dichlorobenzene       | 11.207         | 146  | 286253     | 43.858   | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 11.577         | 146  | 276314     | 43.217   | ug/L   | 99       |
| 69) 1,3,5-Trichlorobenzene    | 13.201         | 180  | 14774      | 3.194    | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.201         | 180  | 14774      | 3.477    | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 13.683         | 180  | 4233       | 1.011    | ug/L   | 96       |
| -----                         |                |      |            |          |        |          |

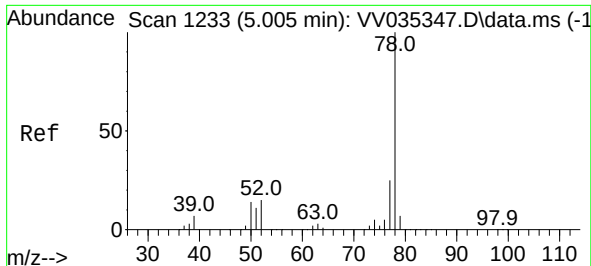
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV042324\  
Data File : VV035366.D  
Acq On : 23 Apr 2024 17:29  
Operator : SY/MD  
Sample : P2182-12 1000X  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Apr 23 23:31:00 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

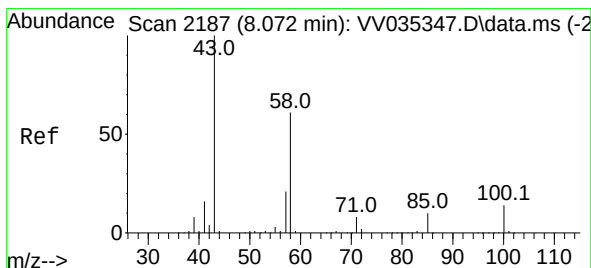
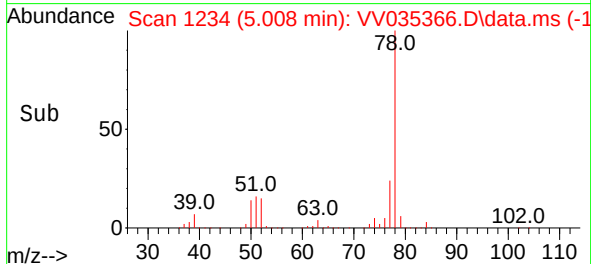
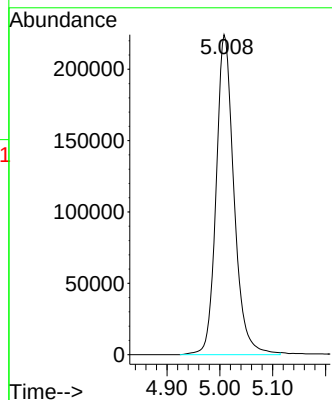
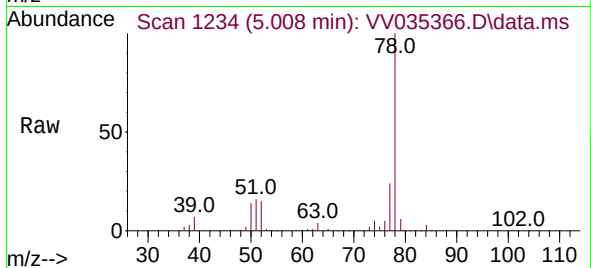




#33  
Benzene  
Concen: 39.746 ug/L  
RT: 5.008 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VV035366.D  
Acq: 23 Apr 2024 17:29

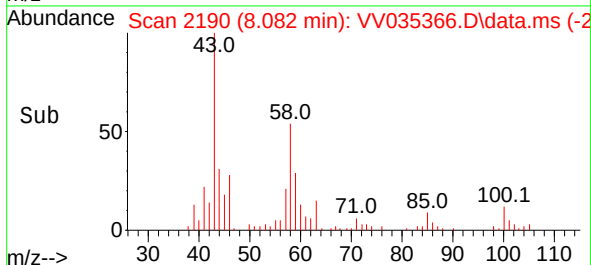
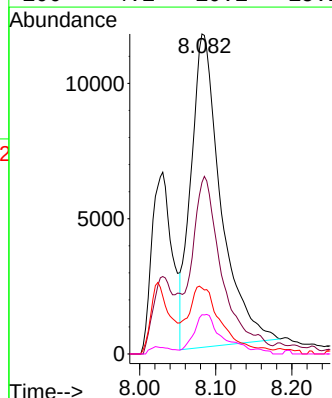
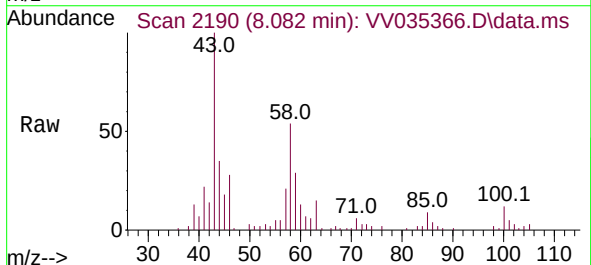
Instrument :  
MSVOA\_V  
ClientSampleId :

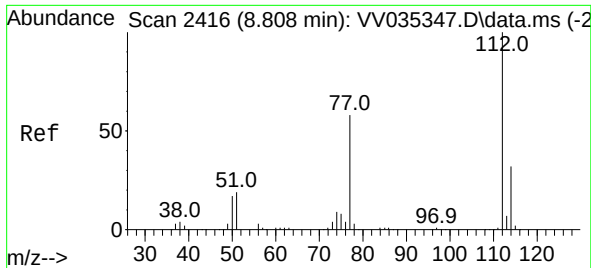
Tgt Ion: 78 Resp: 526336



#48  
2-Hexanone  
Concen: 7.949 ug/L  
RT: 8.082 min Scan# 2190  
Delta R.T. 0.010 min  
Lab File: VV035366.D  
Acq: 23 Apr 2024 17:29

Tgt Ion: 43 Resp: 31591  
Ion Ratio Lower Upper  
43 100  
58 45.7 45.4 68.2  
57 18.6 16.2 24.4  
100 4.1 10.1 15.1#

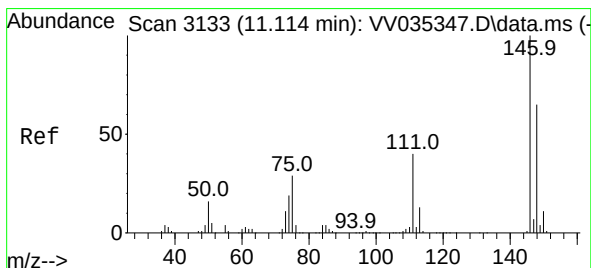
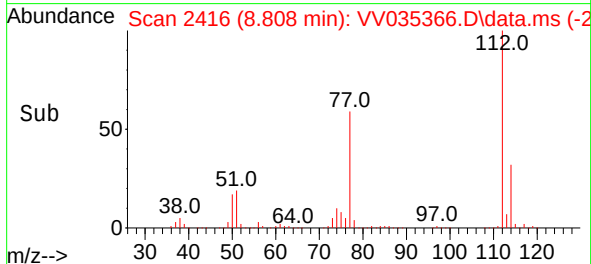
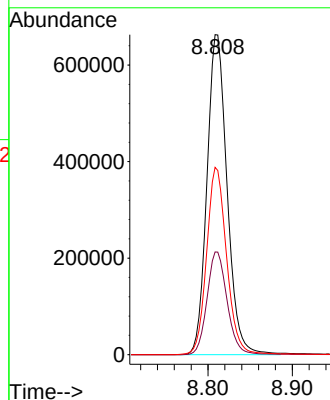
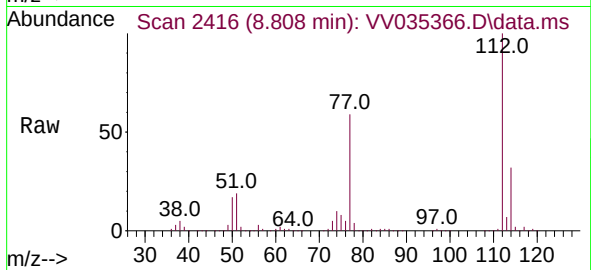




#51  
Chlorobenzene  
Concen: 122.787 ug/L  
RT: 8.808 min Scan# 2416  
Delta R.T. -0.000 min  
Lab File: VV035366.D  
Acq: 23 Apr 2024 17:29

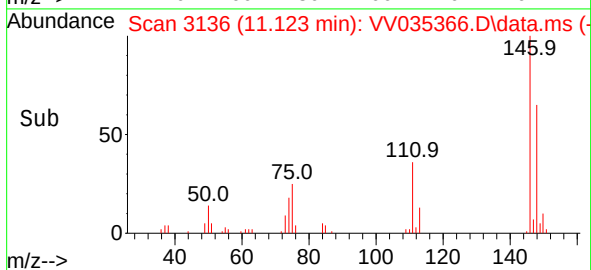
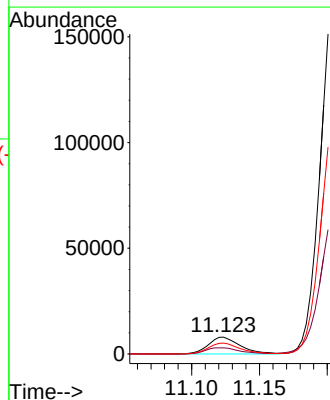
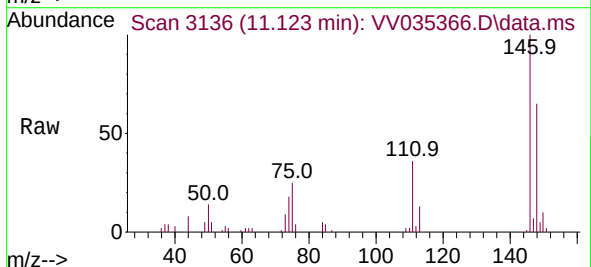
Instrument :  
MSVOA\_V  
ClientSampleId :

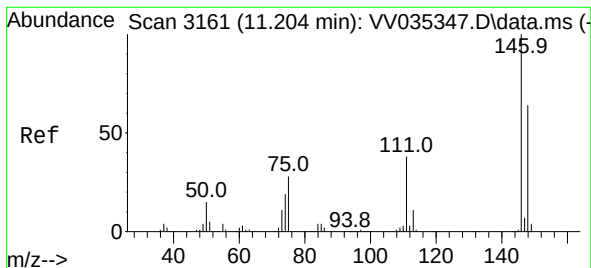
Tgt Ion:112 Resp: 1103311  
Ion Ratio Lower Upper  
112 100  
114 32.1 22.0 41.0  
77 58.6 47.4 71.2



#64  
1,3-Dichlorobenzene  
Concen: 2.025 ug/L  
RT: 11.123 min Scan# 3136  
Delta R.T. 0.010 min  
Lab File: VV035366.D  
Acq: 23 Apr 2024 17:29

Tgt Ion:146 Resp: 12995  
Ion Ratio Lower Upper  
146 100  
111 36.4 28.7 53.3  
148 64.9 44.0 81.8





#65

1,4-Dichlorobenzene

Concen: 43.858 ug/L

RT: 11.207 min Scan# 3161

Delta R.T. 0.003 min

Lab File: VV035366.D

Acq: 23 Apr 2024 17:29

Instrument :

MSVOA\_V

ClientSampleId :

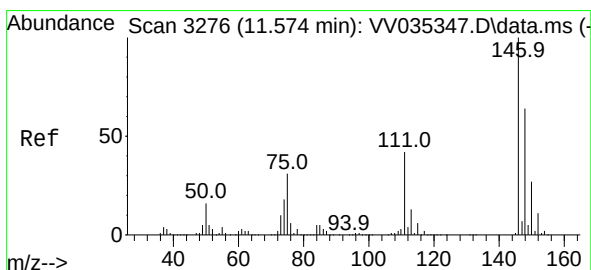
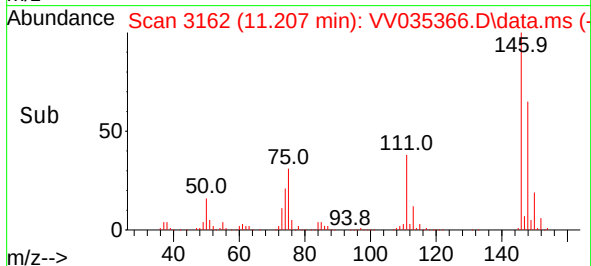
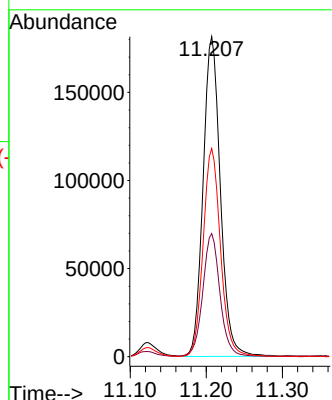
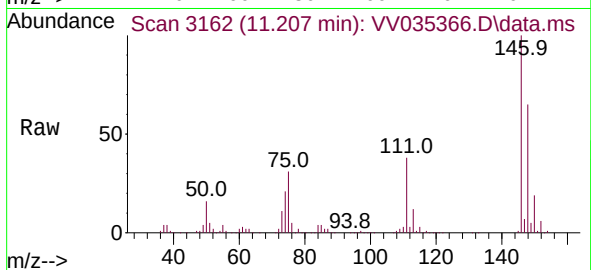
Tgt Ion:146 Resp: 286253

Ion Ratio Lower Upper

146 100

111 38.5 27.4 50.8

148 65.1 44.2 82.2



#67

1,2-Dichlorobenzene

Concen: 43.217 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. 0.003 min

Lab File: VV035366.D

Acq: 23 Apr 2024 17:29

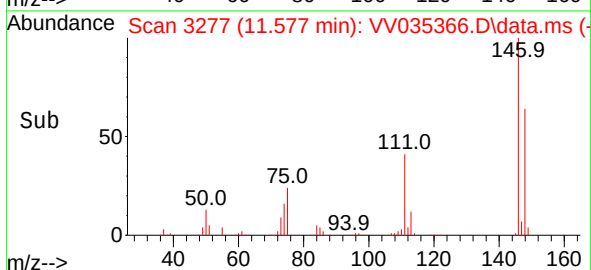
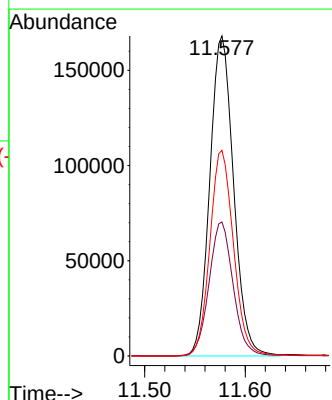
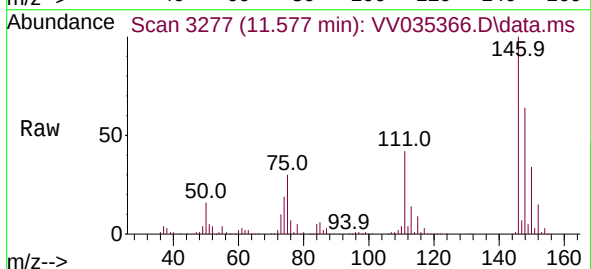
Tgt Ion:146 Resp: 276314

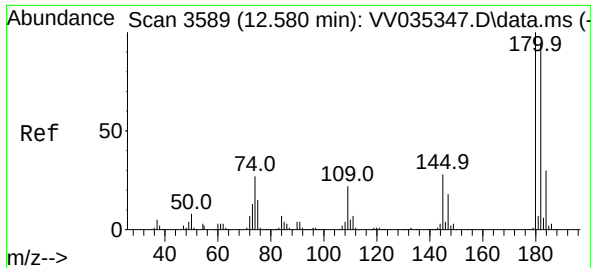
Ion Ratio Lower Upper

146 100

111 41.9 34.6 52.0

148 64.2 51.5 77.3





#69

1,3,5-Trichlorobenzene

Concen: 3.194 ug/L

RT: 13.201 min Scan# 3

Delta R.T. 0.621 min

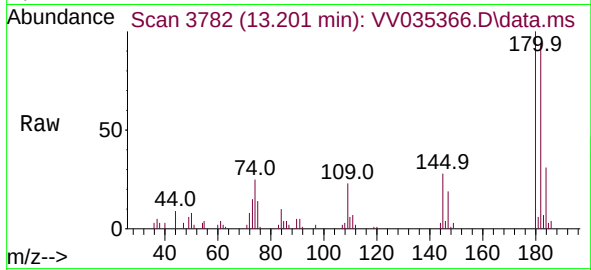
Lab File: VV035366.D

Acq: 23 Apr 2024 17:29

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion:180 Resp: 14774

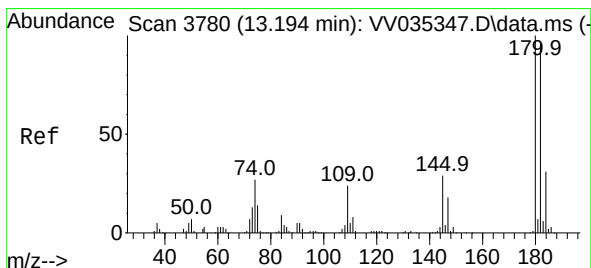
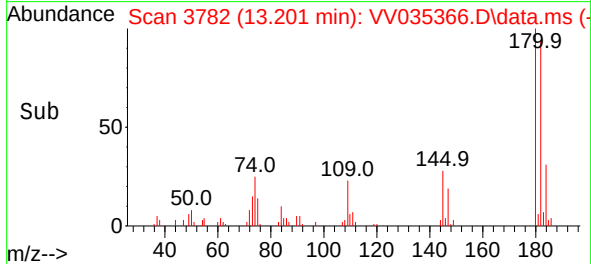
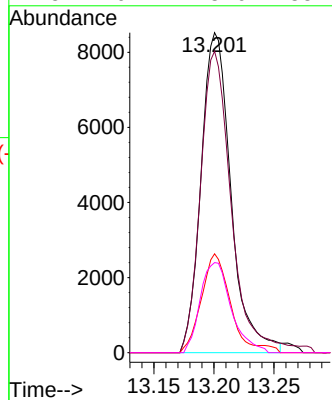
Ion Ratio Lower Upper

180 100

182 96.6 74.7 112.1

184 29.2 24.0 36.0

145 29.2 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 3.477 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.006 min

Lab File: VV035366.D

Acq: 23 Apr 2024 17:29

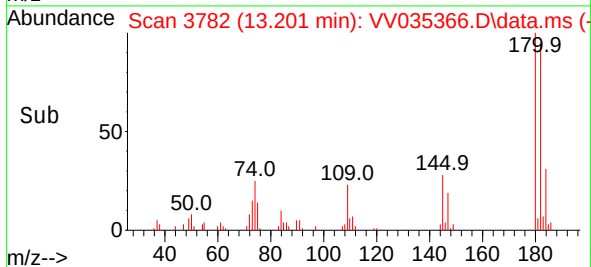
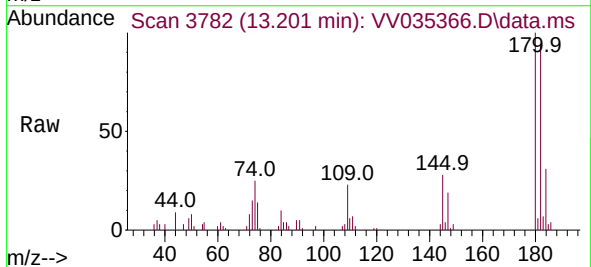
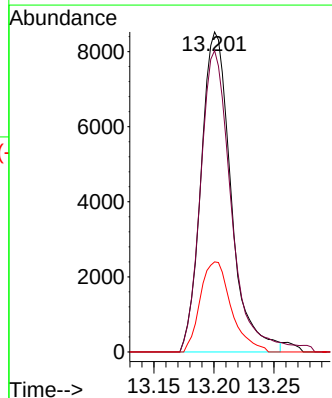
Tgt Ion:180 Resp: 14774

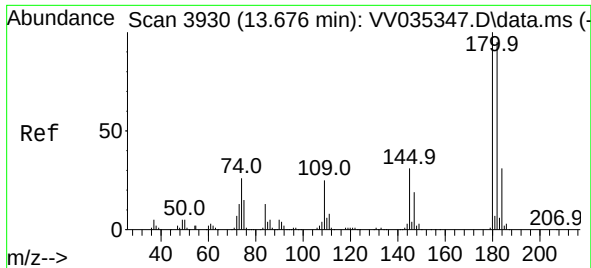
Ion Ratio Lower Upper

180 100

182 96.6 75.6 113.4

145 29.2 24.1 36.1





#72

1,2,3-Trichlorobenzene

Concen: 1.011 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.006 min

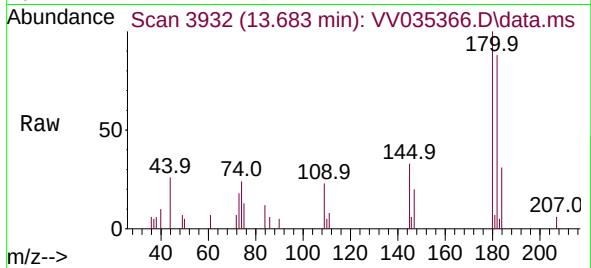
Lab File: VV035366.D

Acq: 23 Apr 2024 17:29

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion:180 Resp: 4233

Ion Ratio Lower Upper

180 100

182 90.7 76.2 114.2

145 32.0 25.8 38.6

