

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV042424\  
 Data File : VV035381.D  
 Acq On : 24 Apr 2024 12:52  
 Operator : SY/MD  
 Sample : P2158-05DL 4X  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 MCORD2DL

Quant Time: Apr 25 01:59:30 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM032624WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Apr 25 01:57:41 2024  
 Response via : Initial Calibration

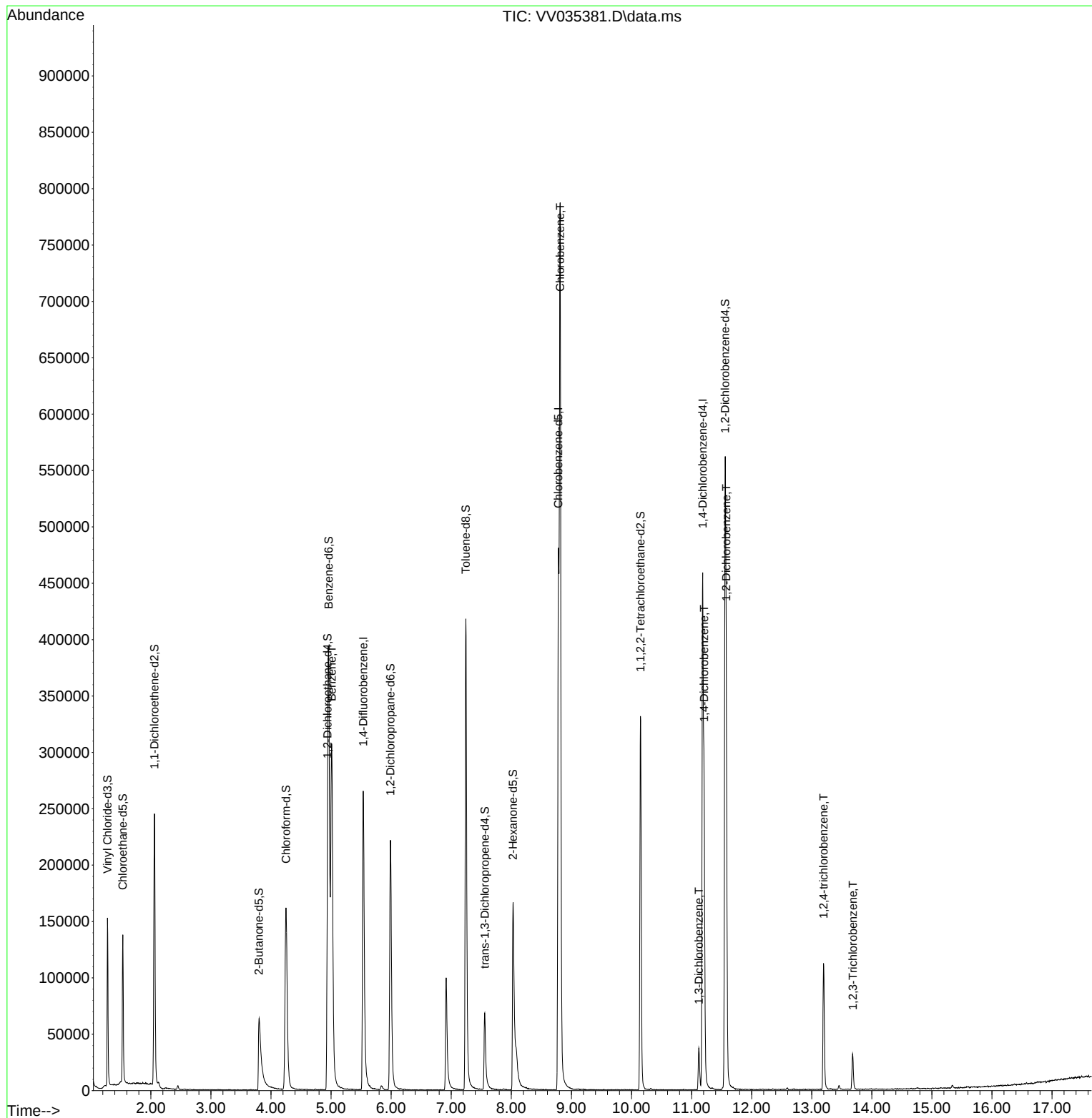
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.535   | 114   | 241615   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.783   | 117   | 249888   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.185  | 152   | 117180   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278   | 65    | 96896    | 41.526   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 83.060%  |
| 7) Chloroethane-d5            | 1.532   | 69    | 83806    | 41.351   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 82.700%  |
| 11) 1,1-Dichloroethene-d2     | 2.059   | 65    | 42315    | 41.370   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 82.740%  |
| 21) 2-Butanone-d5             | 3.799   | 46    | 110223   | 79.647   | ug/L   | 0.02     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 79.650%  |
| 24) Chloroform-d              | 4.249   | 84    | 183084   | 46.667   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 93.340%  |
| 26) 1,2-Dichloroethane-d4     | 4.940   | 65    | 114223   | 45.858   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 91.720%  |
| 32) Benzene-d6                | 4.960   | 84    | 356496   | 42.471   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 84.940%  |
| 36) 1,2-Dichloropropane-d6    | 5.989   | 67    | 115976   | 43.511   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 87.020%  |
| 41) Toluene-d8                | 7.243   | 98    | 294800   | 38.998   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 78.000%# |
| 43) trans-1,3-Dichloroprop... | 7.558   | 79    | 45719    | 35.282   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 70.560%  |
| 47) 2-Hexanone-d5             | 8.027   | 63    | 58783    | 58.330   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 58.330%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149  | 84    | 167171   | 45.544   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 91.080%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.558  | 152   | 127148   | 48.328   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 96.660%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 33) Benzene                   | 5.011   | 78    | 338276   | 41.514   | ug/L   | 100      |
| 51) Chlorobenzene             | 8.812   | 112   | 433576   | 78.418   | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 11.123  | 146   | 17161    | 4.347    | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 11.207  | 146   | 105699   | 26.329   | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 11.577  | 146   | 128964   | 32.793   | ug/L   | 96       |
| 70) 1,2,4-trichlorobenzene    | 13.197  | 180   | 37390    | 14.306   | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 13.683  | 180   | 10839    | 4.207    | ug/L   | 96       |
| -----                         |         |       |          |          |        |          |

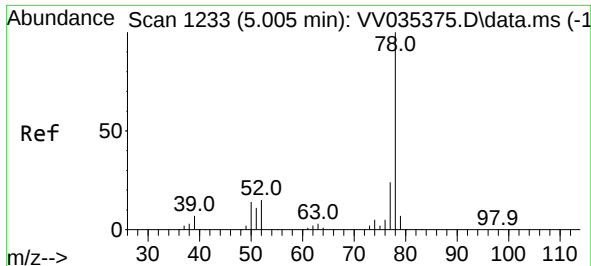
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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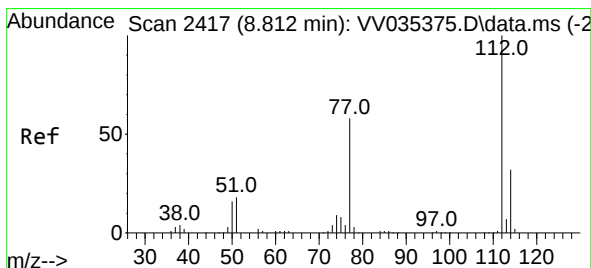
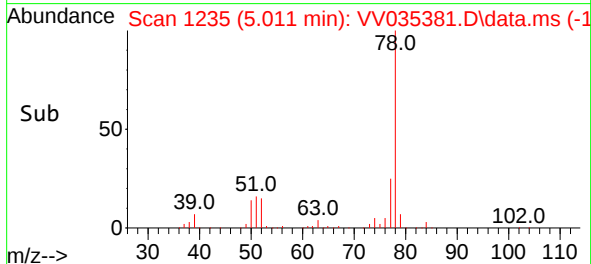
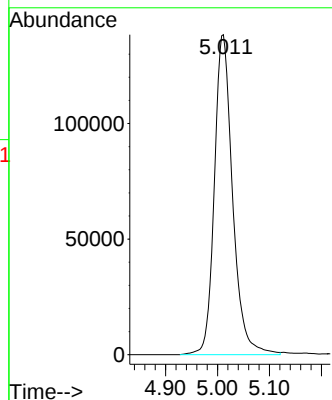
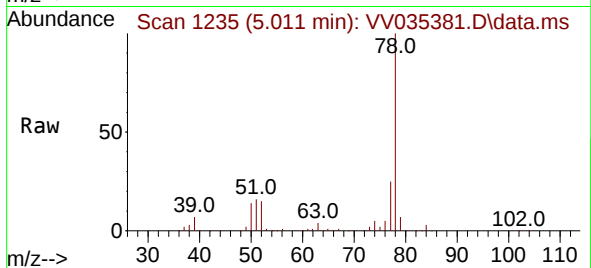




#33  
Benzene  
Concen: 41.514 ug/L  
RT: 5.011 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VV035381.D  
Acq: 24 Apr 2024 12:52

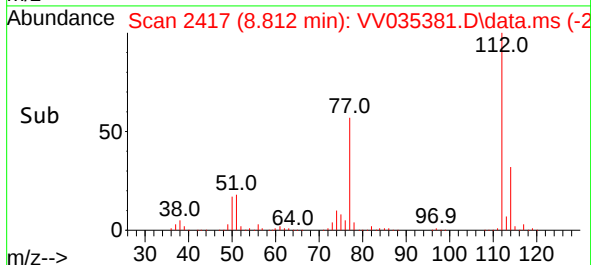
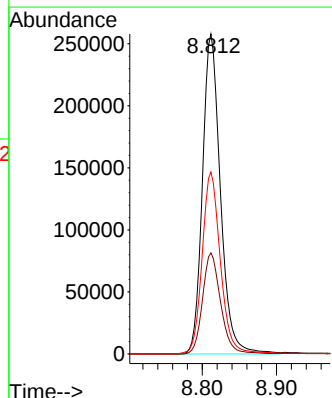
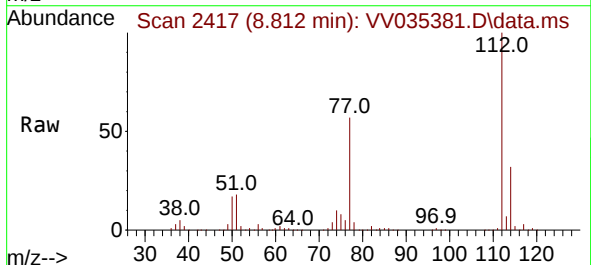
Instrument :  
MSVOA\_V  
ClientSampleId :  
MC0RD2DL

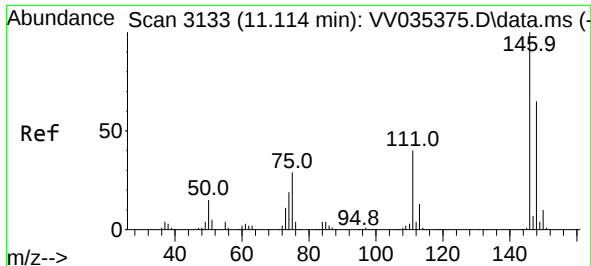
Tgt Ion: 78 Resp: 338276



#51  
Chlorobenzene  
Concen: 78.418 ug/L  
RT: 8.812 min Scan# 2417  
Delta R.T. 0.000 min  
Lab File: VV035381.D  
Acq: 24 Apr 2024 12:52

Tgt Ion: 112 Resp: 433576  
Ion Ratio Lower Upper  
112 100  
114 31.6 22.0 41.0  
77 56.8 47.4 71.2

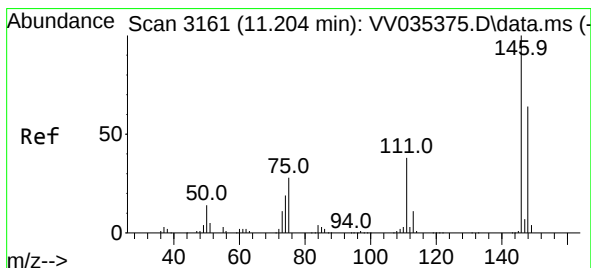
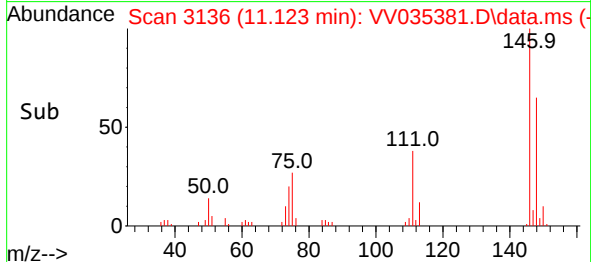
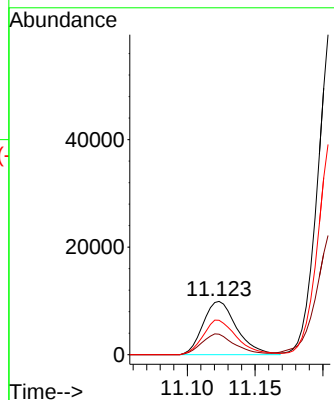
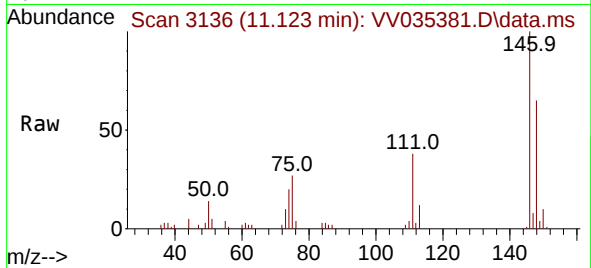




#64  
1,3-Dichlorobenzene  
Concen: 4.347 ug/L  
RT: 11.123 min Scan# 3133  
Delta R.T. 0.010 min  
Lab File: VV035381.D  
Acq: 24 Apr 2024 12:52

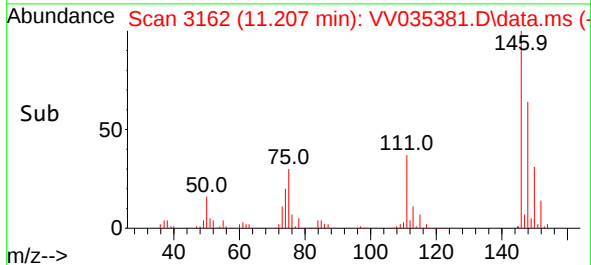
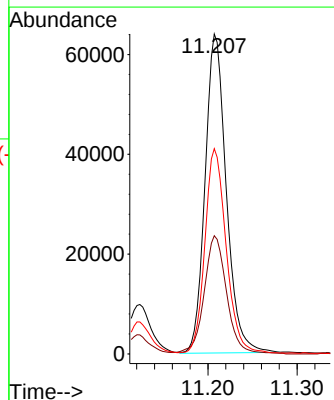
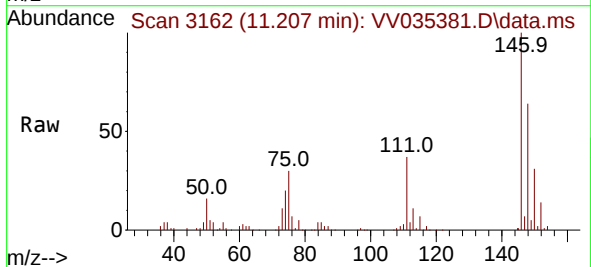
Instrument :  
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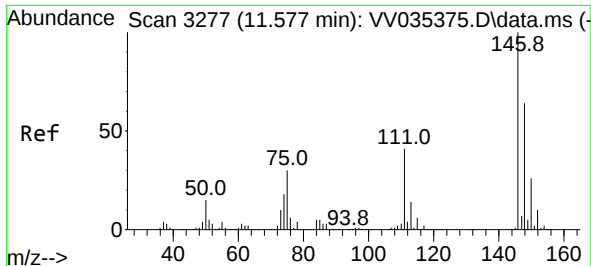
Tgt Ion:146 Resp: 17161  
Ion Ratio Lower Upper  
146 100  
111 38.4 28.7 53.3  
148 64.6 44.0 81.8



#65  
1,4-Dichlorobenzene  
Concen: 26.329 ug/L  
RT: 11.207 min Scan# 3162  
Delta R.T. 0.003 min  
Lab File: VV035381.D  
Acq: 24 Apr 2024 12:52

Tgt Ion:146 Resp: 105699  
Ion Ratio Lower Upper  
146 100  
111 36.9 27.4 50.8  
148 64.2 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 32.793 ug/L

RT: 11.577 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV035381.D

Acq: 24 Apr 2024 12:52

Instrument :

MSVOA\_V

ClientSampleId :

MC0RD2DL

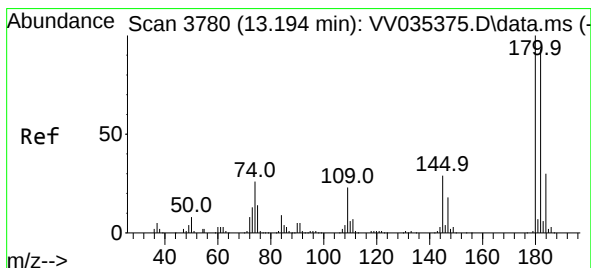
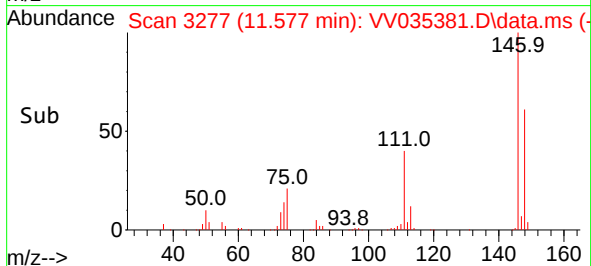
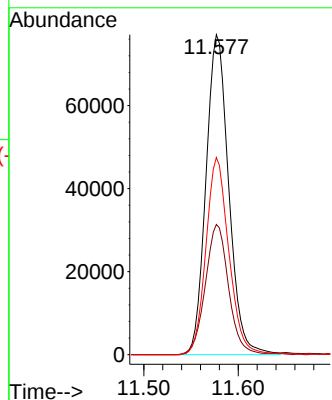
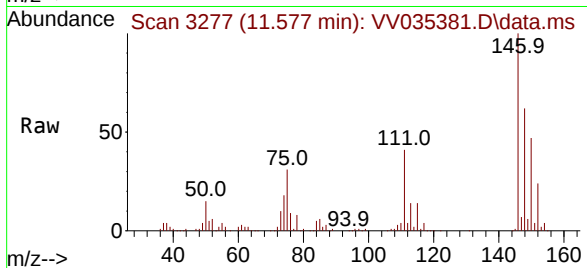
Tgt Ion:146 Resp: 128964

Ion Ratio Lower Upper

146 100

111 40.7 34.6 52.0

148 61.6 51.5 77.3



#70

1,2,4-trichlorobenzene

Concen: 14.306 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.003 min

Lab File: VV035381.D

Acq: 24 Apr 2024 12:52

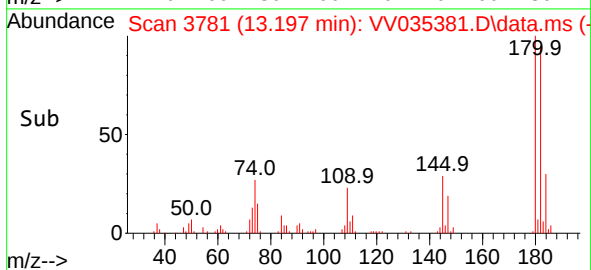
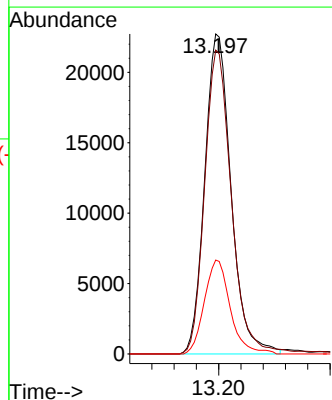
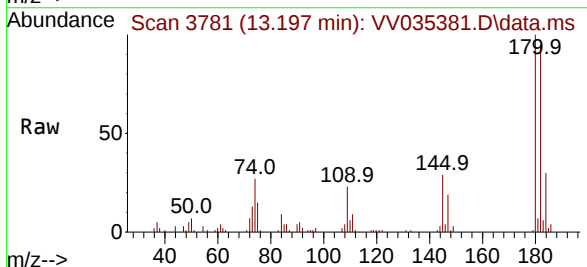
Tgt Ion:180 Resp: 37390

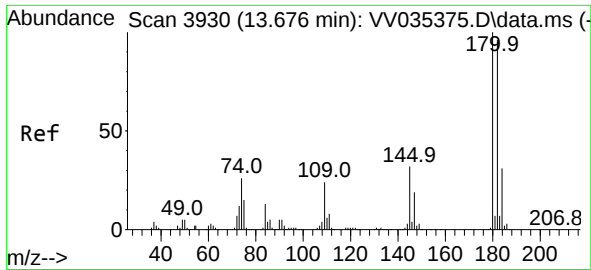
Ion Ratio Lower Upper

180 100

182 95.9 75.6 113.4

145 28.5 24.1 36.1





#72

1,2,3-Trichlorobenzene

Concen: 4.207 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.006 min

Lab File: VV035381.D

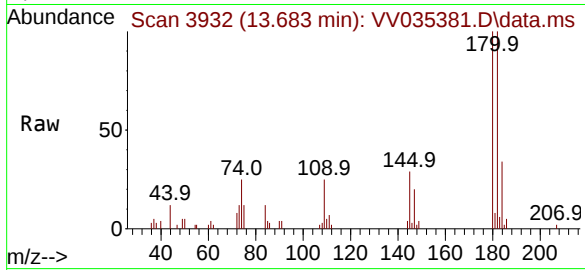
Acq: 24 Apr 2024 12:52

Instrument :

MSVOA\_V

ClientSampleId :

MC0RD2DL



Tgt Ion:180 Resp: 10839

Ion Ratio Lower Upper

180 100

182 99.2 76.2 114.2

145 31.1 25.8 38.6

