

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW041824\  
 Data File : VW035285.D  
 Acq On : 18 Apr 2024 16:02  
 Operator : SY/MD  
 Sample : P2158-08  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Apr 19 01:43:33 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM032624WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Apr 10 04:53:36 2024  
 Response via : Initial Calibration

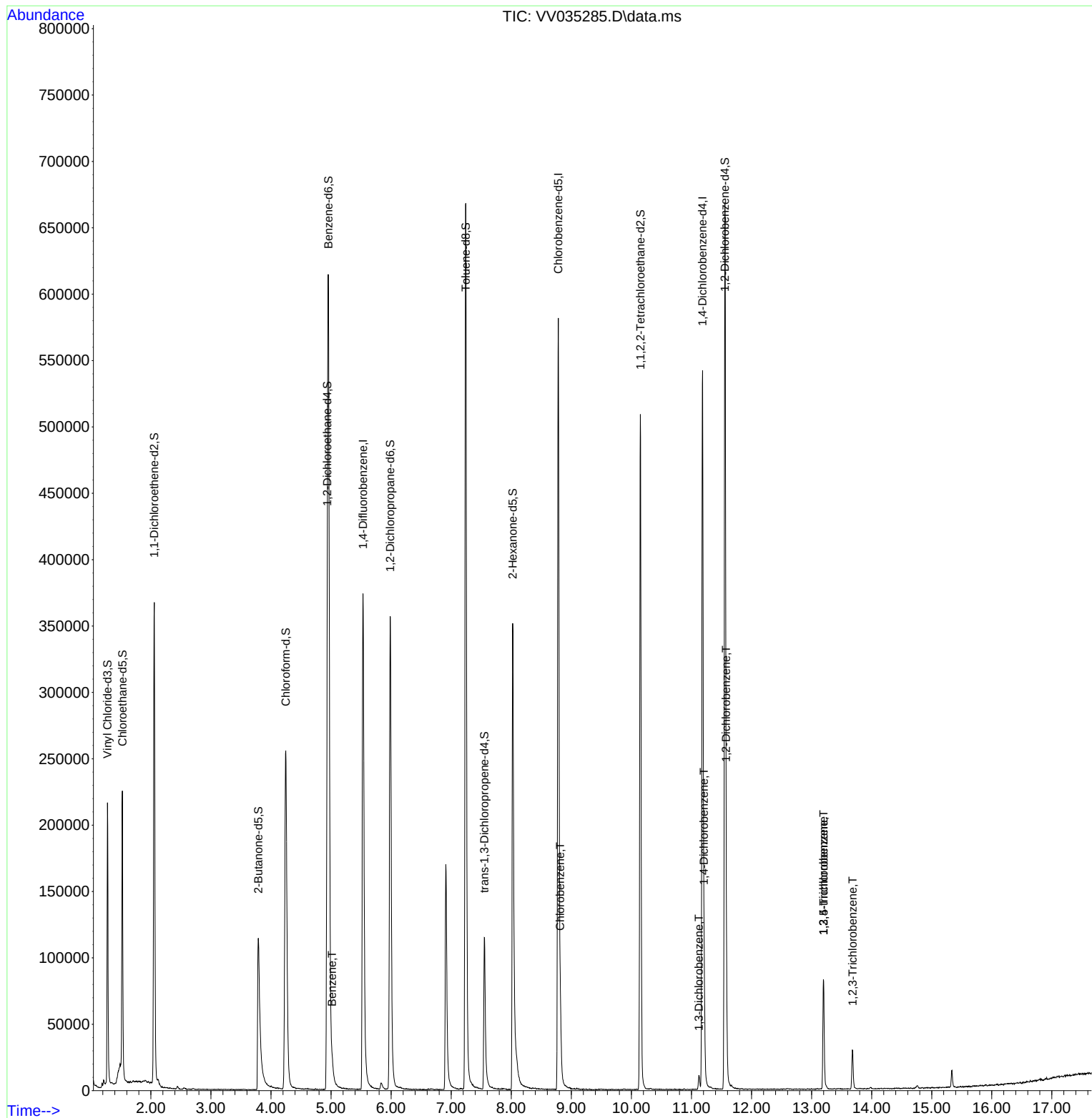
| Compound                      | R.T.    | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|-------|----------|
| -----                         |         |       |          |          |       |          |
| Internal Standards            |         |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 5.532   | 114   | 334691   | 50.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.783   | 117   | 324435   | 50.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.185  | 152   | 140457   | 50.000   | ug/L  | 0.00     |
|                               |         |       |          |          |       |          |
| System Monitoring Compounds   |         |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 1.278   | 65    | 141022   | 43.629   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =     | 87.260%  |
| 7) Chloroethane-d5            | 1.526   | 69    | 123109   | 43.851   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =     | 87.700%  |
| 11) 1,1-Dichloroethene-d2     | 2.056   | 65    | 63019    | 44.477   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =     | 88.960%  |
| 21) 2-Butanone-d5             | 3.790   | 46    | 200801   | 104.747  | ug/L  | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =     | 104.750% |
| 24) Chloroform-d              | 4.246   | 84    | 279367   | 51.406   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =     | 102.820% |
| 26) 1,2-Dichloroethane-d4     | 4.937   | 65    | 179193   | 51.935   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =     | 103.860% |
| 32) Benzene-d6                | 4.957   | 84    | 554450   | 50.877   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =     | 101.760% |
| 36) 1,2-Dichloropropane-d6    | 5.986   | 67    | 183626   | 53.061   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =     | 106.120% |
| 41) Toluene-d8                | 7.243   | 98    | 464303   | 47.308   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =     | 94.620%  |
| 43) trans-1,3-Dichloroprop... | 7.551   | 79    | 75253    | 44.730   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =     | 89.460%  |
| 47) 2-Hexanone-d5             | 8.024   | 63    | 123023   | 94.025   | ug/L  | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =     | 94.030%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149  | 84    | 250140   | 52.489   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =     | 104.980% |
| 66) 1,2-Dichlorobenzene-d4    | 11.558  | 152   | 172810   | 54.798   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =     | 109.600% |
|                               |         |       |          |          |       |          |
| Target Compounds              |         |       |          |          |       | Qvalue   |
| 33) Benzene                   | 5.015   | 78    | 15395    | 1.455    | ug/L  | 100      |
| 51) Chlorobenzene             | 8.815   | 112   | 36519    | 5.087    | ug/L  | 96       |
| 64) 1,3-Dichlorobenzene       | 11.127  | 146   | 5291     | 1.118    | ug/L  | 91       |
| 65) 1,4-Dichlorobenzene       | 11.210  | 146   | 37391    | 7.770    | ug/L  | 96       |
| 67) 1,2-Dichlorobenzene       | 11.577  | 146   | 32684    | 6.934    | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 13.198  | 180   | 27074    | 7.939    | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.198  | 180   | 27074    | 8.643    | ug/L  | 98       |
| 72) 1,2,3-Trichlorobenzene    | 13.683  | 180   | 10417    | 3.373    | ug/L  | 95       |
| -----                         |         |       |          |          |       |          |

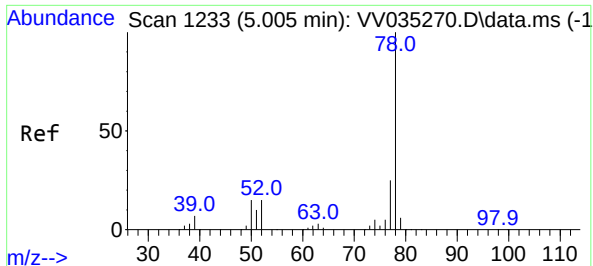
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV041824\  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM032624WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Apr 10 04:53:36 2024  
Response via : Initial Calibration

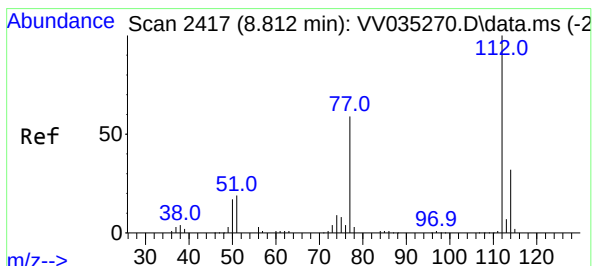
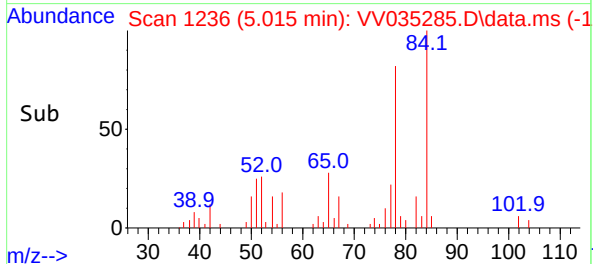
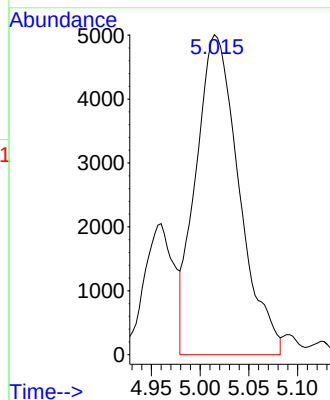
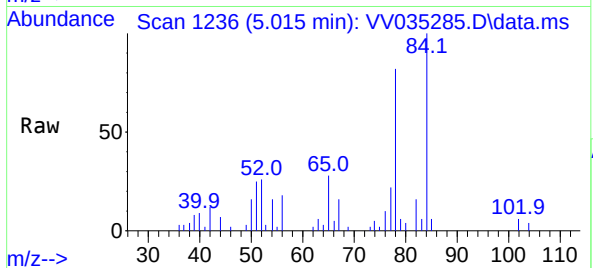




#33  
Benzene  
Concen: 1.455 ug/L  
RT: 5.015 min Scan# 11  
Delta R.T. 0.010 min  
Lab File: VV035285.D  
Acq: 18 Apr 2024 16:02

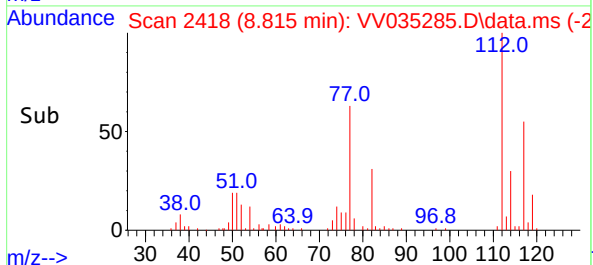
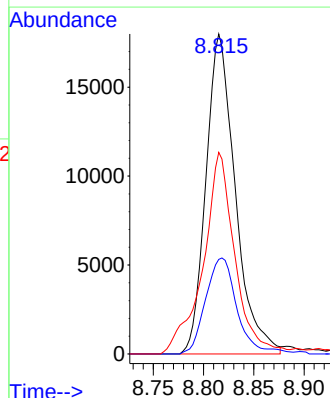
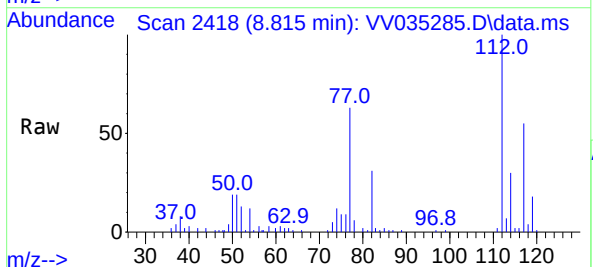
Instrument :  
MSVOA\_V  
ClientSampleId :

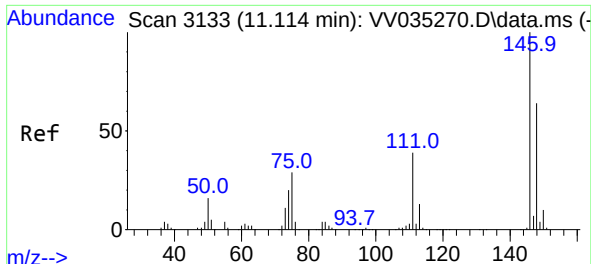
Tgt Ion: 78 Resp: 15395



#51  
Chlorobenzene  
Concen: 5.087 ug/L  
RT: 8.815 min Scan# 2418  
Delta R.T. 0.003 min  
Lab File: VV035285.D  
Acq: 18 Apr 2024 16:02

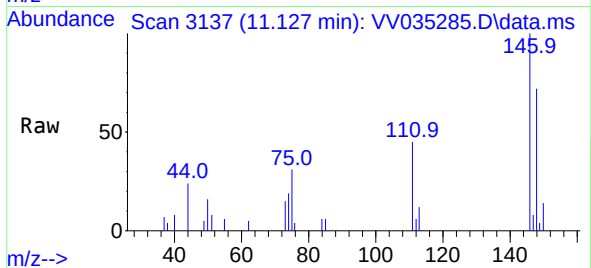
Tgt Ion: 112 Resp: 36519  
Ion Ratio Lower Upper  
112 100  
114 29.6 22.0 41.0  
77 63.0 47.4 71.2



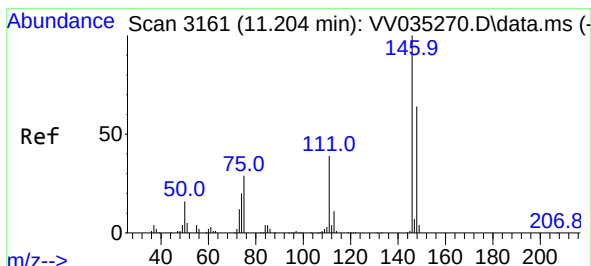
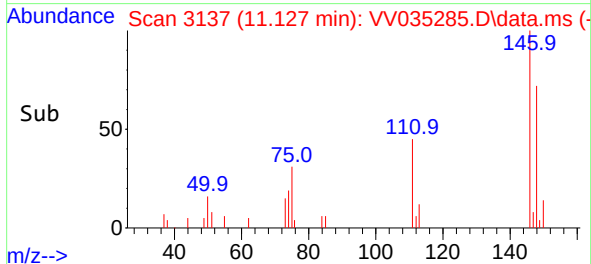
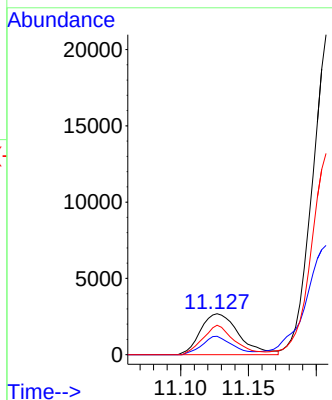


#64  
1,3-Dichlorobenzene  
Concen: 1.118 ug/L  
RT: 11.127 min Scan# 3137  
Delta R.T. 0.013 min  
Lab File: VV035285.D  
Acq: 18 Apr 2024 16:02

Instrument :  
MSVOA\_V  
ClientSampleId :

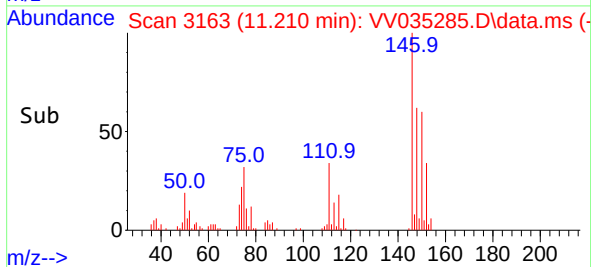
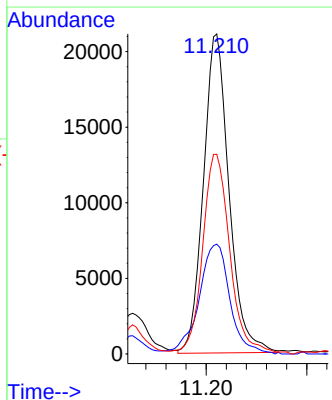
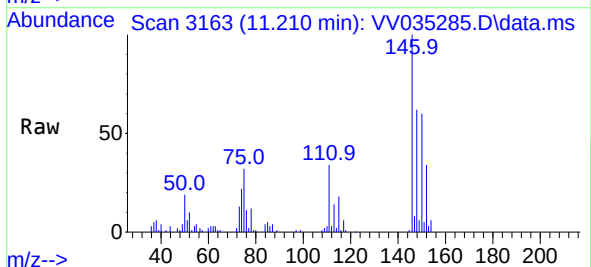


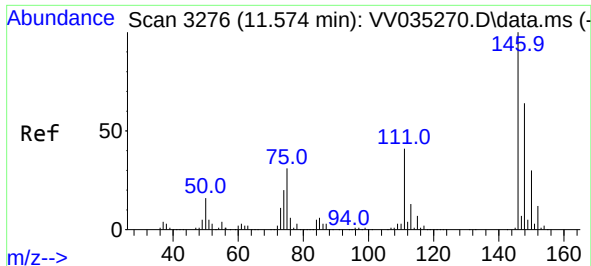
Tgt Ion:146 Resp: 5291  
Ion Ratio Lower Upper  
146 100  
111 44.7 28.7 53.3  
148 71.7 44.0 81.8



#65  
1,4-Dichlorobenzene  
Concen: 7.770 ug/L  
RT: 11.210 min Scan# 3163  
Delta R.T. 0.003 min  
Lab File: VV035285.D  
Acq: 18 Apr 2024 16:02

Tgt Ion:146 Resp: 37391  
Ion Ratio Lower Upper  
146 100  
111 34.3 27.4 50.8  
148 62.4 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 6.934 ug/L

RT: 11.577 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV035285.D

Acq: 18 Apr 2024 16:02

Instrument :

MSVOA\_V

ClientSampleId :

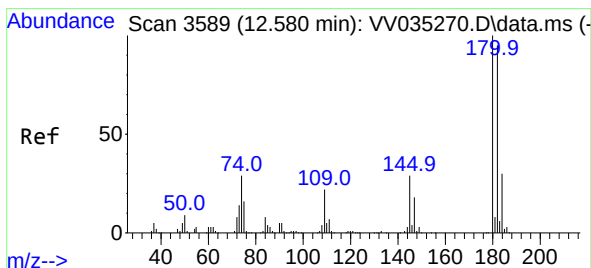
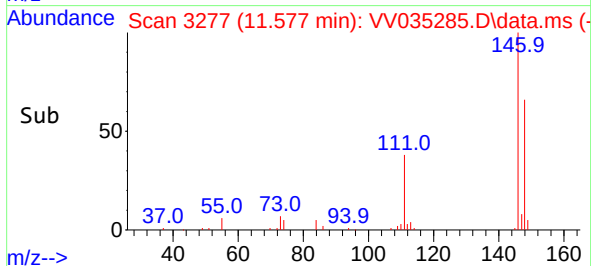
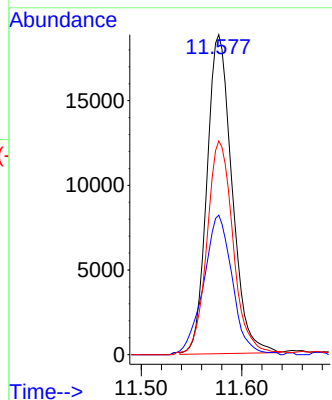
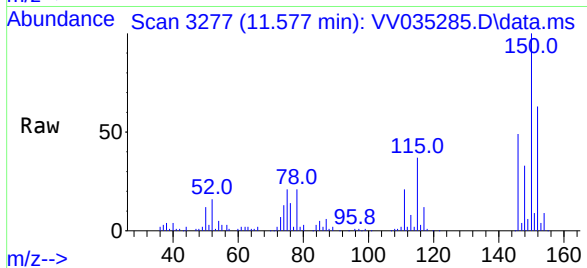
Tgt Ion:146 Resp: 32684

Ion Ratio Lower Upper

146 100

111 43.6 34.6 52.0

148 66.8 51.5 77.3



#69

1,3,5-Trichlorobenzene

Concen: 7.939 ug/L

RT: 13.198 min Scan# 3781

Delta R.T. 0.617 min

Lab File: VV035285.D

Acq: 18 Apr 2024 16:02

Tgt Ion:180 Resp: 27074

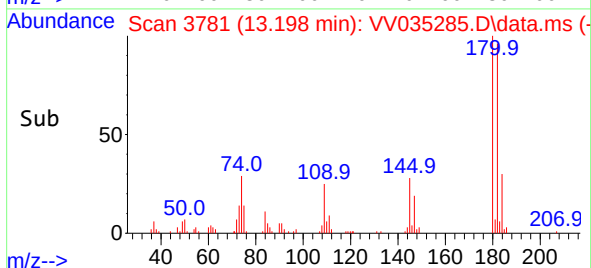
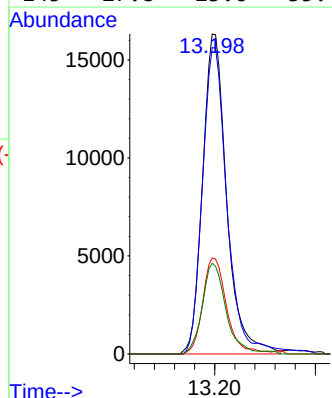
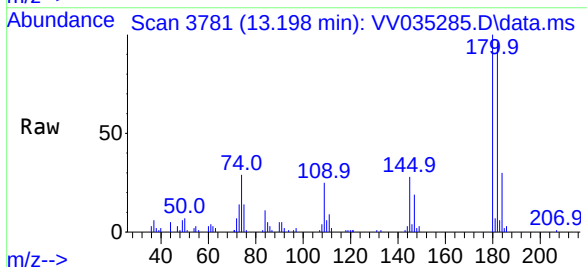
Ion Ratio Lower Upper

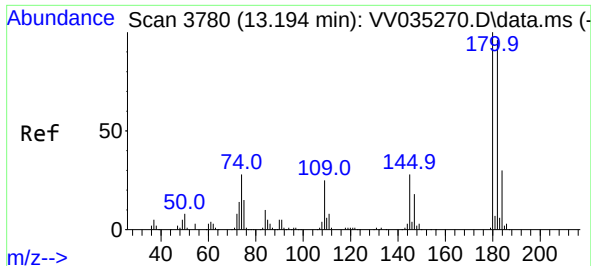
180 100

182 95.2 74.7 112.1

184 28.9 24.0 36.0

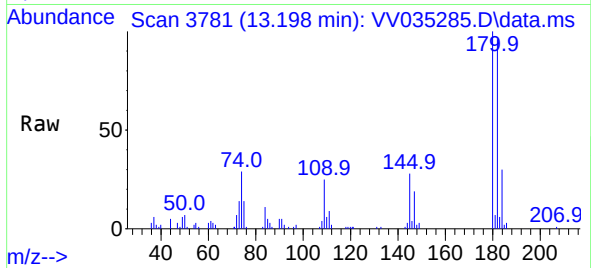
145 27.8 23.6 35.4



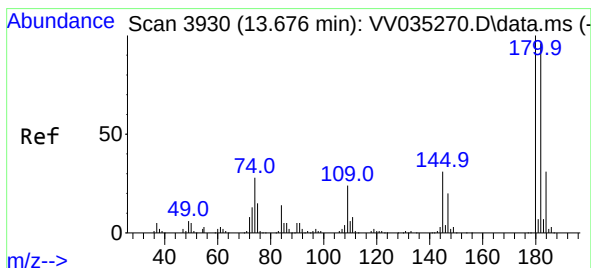
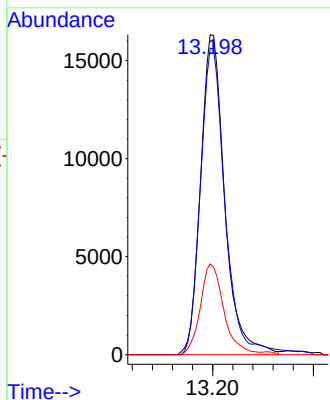
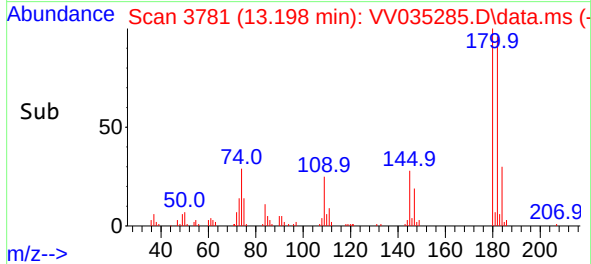


#70  
1,2,4-trichlorobenzene  
Concen: 8.643 ug/L  
RT: 13.198 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VV035285.D  
Acq: 18 Apr 2024 16:02

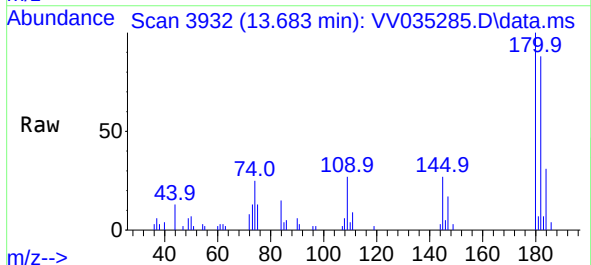
Instrument :  
MSVOA\_V  
ClientSampleId :



Tgt Ion:180 Resp: 27074  
Ion Ratio Lower Upper  
180 100  
182 95.2 75.6 113.4  
145 27.8 24.1 36.1



#72  
1,2,3-Trichlorobenzene  
Concen: 3.373 ug/L  
RT: 13.683 min Scan# 3932  
Delta R.T. 0.007 min  
Lab File: VV035285.D  
Acq: 18 Apr 2024 16:02



Tgt Ion:180 Resp: 10417  
Ion Ratio Lower Upper  
180 100  
182 90.1 76.2 114.2  
145 28.9 25.8 38.6

