

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW042224\  
 Data File : VW035330.D  
 Acq On : 22 Apr 2024 14:06  
 Operator : SY/MD  
 Sample : P2182-07 100X  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 MC0RC9

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 04/26/2024  
 Supervised By :Semsettin Yesilyurt 04/26/2024

Quant Time: Apr 23 00:30:24 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM032624WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Apr 23 00:28:07 2024  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) 1,4-Difluorobenzene        | 5.535          | 114  | 157192     | 50.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.786          | 117  | 136641     | 50.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.185         | 152  | 48751      | 50.000    | ug/L   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 4) Vinyl Chloride-d3          | 1.278          | 65   | 51416      | 33.869    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 67.740%   |        |          |
| 7) Chloroethane-d5            | 1.532          | 69   | 67912      | 51.505    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 103.000%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.057          | 65   | 17916      | 26.923    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 53.840%#  |        |          |
| 21) 2-Butanone-d5             | 3.847          | 46   | 12349m     | 13.716    | ug/L   | 0.06     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 13.720%#  |        |          |
| 24) Chloroform-d              | 4.249          | 84   | 177288     | 69.460    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 138.920%# |        |          |
| 26) 1,2-Dichloroethane-d4     | 4.941          | 65   | 143311     | 88.436    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 176.880%# |        |          |
| 32) Benzene-d6                | 4.960          | 84   | 256607     | 55.908    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 111.820%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 5.986          | 67   | 119573     | 82.040    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 164.080%# |        |          |
| 41) Toluene-d8                | 7.246          | 98   | 143158     | 34.633    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 69.260%#  |        |          |
| 43) trans-1,3-Dichloroprop... | 7.558          | 79   | 37934      | 53.537    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 107.080%  |        |          |
| 47) 2-Hexanone-d5             | 8.027          | 63   | 52704      | 95.642    | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 95.640%   |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149         | 84   | 219173     | 109.200   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 218.400%# |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.558         | 152  | 59658      | 54.504    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 109.000%  |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           | Qvalue |          |
| 13) Acetone                   | 2.121          | 43   | 6418       | 7.764     | ug/L   | 98       |
| 51) Chlorobenzene             | 8.822          | 112  | 6060       | 2.004     | ug/L   | 92       |
| 65) 1,4-Dichlorobenzene       | 11.214         | 146  | 5069       | 3.035     | ug/L   | 96       |
| 67) 1,2-Dichlorobenzene       | 11.577         | 146  | 4876       | 2.980     | ug/L   | 95       |
| 70) 1,2,4-trichlorobenzene    | 13.204         | 180  | 2374       | 2.183     | ug/L   | 97       |
| 72) 1,2,3-Trichlorobenzene    | 13.683         | 180  | 983        | 0.917     | ug/L   | 88       |
| -----                         |                |      |            |           |        |          |

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

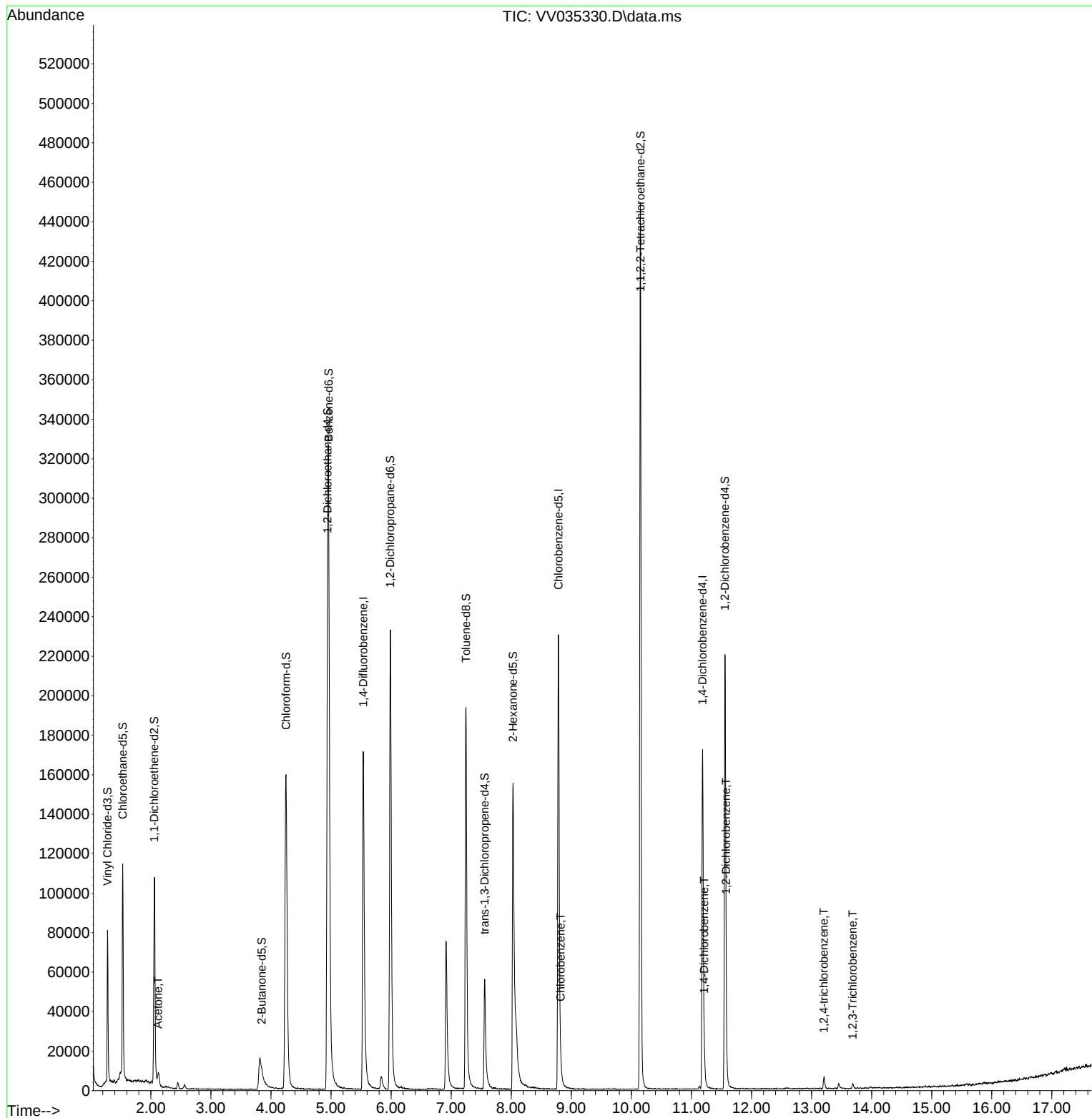
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV042224\  
Data File : VV035330.D  
Acq On : 22 Apr 2024 14:06  
Operator : SY/MD  
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ALS Vial : 11 Sample Multiplier: 1

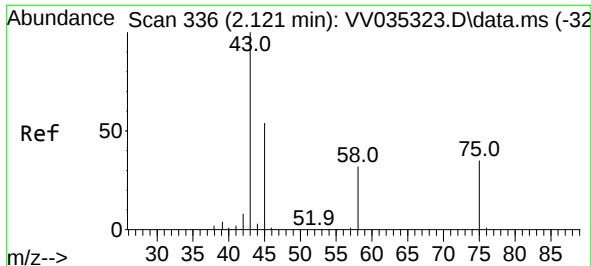
Instrument :  
MSVOA\_V  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM032624WMA.M  
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QLast Update : Tue Apr 23 00:28:07 2024  
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#13

Acetone

Concen: 7.764 ug/L

RT: 2.121 min Scan# 301

Delta R.T. 0.000 min

Lab File: VV035330.D

Acq: 22 Apr 2024 14:06

Instrument :

MSVOA\_V

ClientSampleId :

MC0RC9

Tgt Ion: 43 Resp: 6418

Ion Ratio Lower Upper

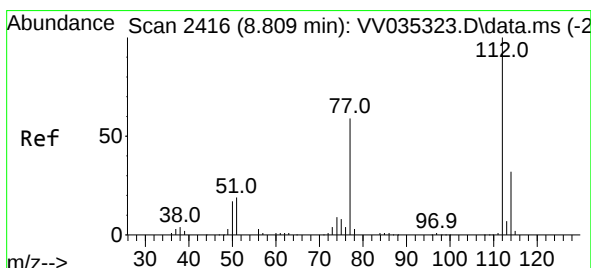
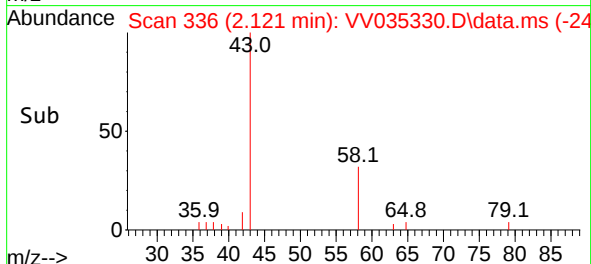
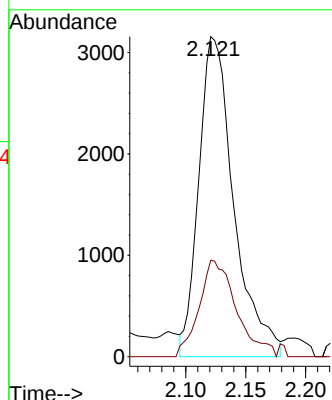
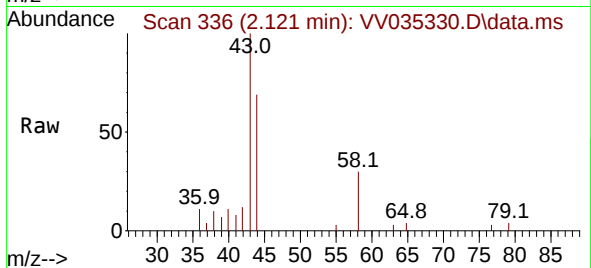
43 100

58 31.9 0.0 66.0

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#51

Chlorobenzene

Concen: 2.004 ug/L

RT: 8.822 min Scan# 2420

Delta R.T. 0.013 min

Lab File: VV035330.D

Acq: 22 Apr 2024 14:06

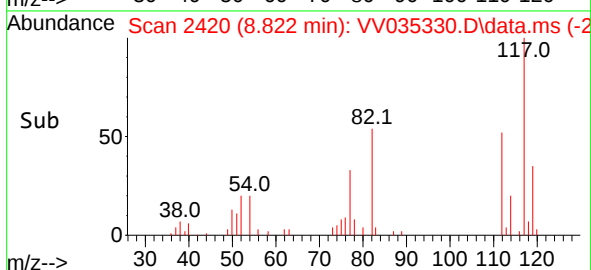
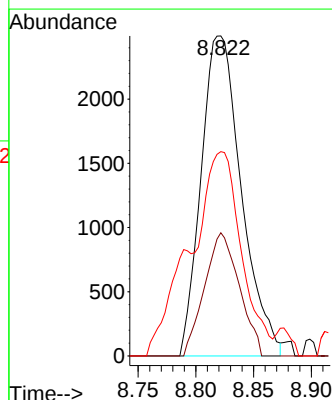
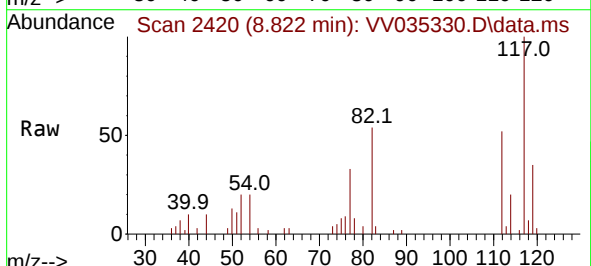
Tgt Ion:112 Resp: 6060

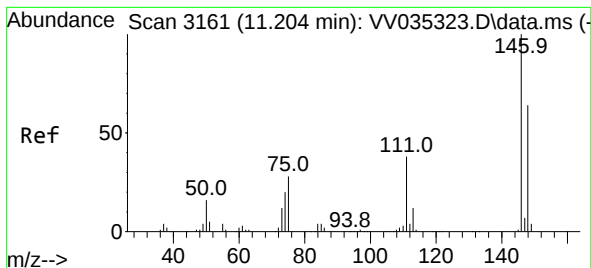
Ion Ratio Lower Upper

112 100

114 38.5 22.0 41.0

77 63.8 47.4 71.2





#65

1,4-Dichlorobenzene

Concen: 3.035 ug/L

RT: 11.214 min Scan# 3161

Delta R.T. 0.010 min

Lab File: VV035330.D

Acq: 22 Apr 2024 14:06

Instrument :

MSVOA\_V

ClientSampleId :

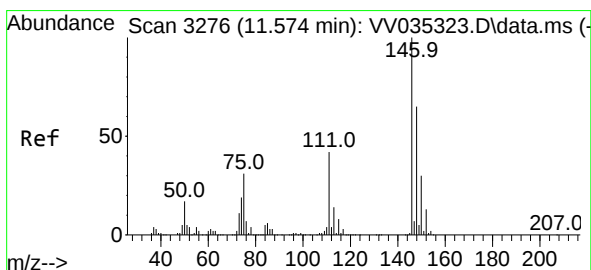
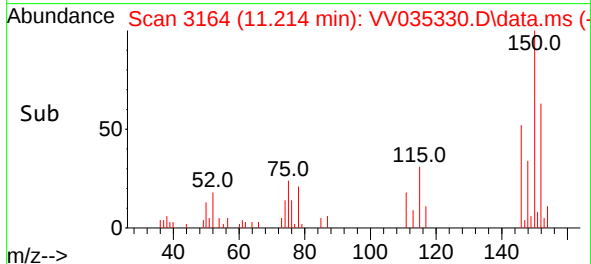
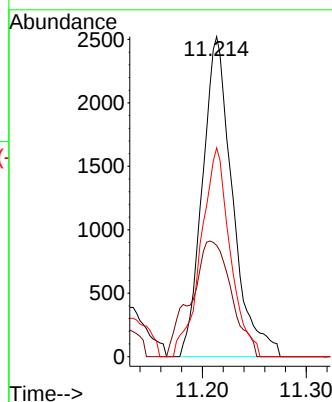
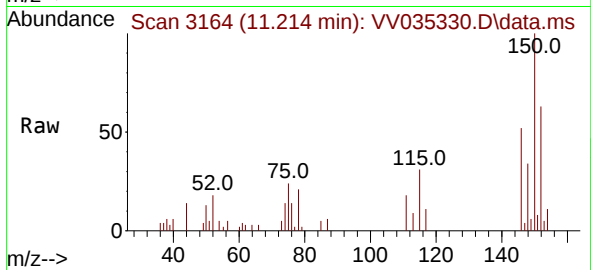
MC0RC9

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:146 | Resp: | 5069      |
| Ion Ratio   | Lower | Upper     |
| 146         | 100   |           |
| 111         | 34.7  | 27.4 50.8 |
| 148         | 65.2  | 44.2 82.2 |

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#67

1,2-Dichlorobenzene

Concen: 2.980 ug/L

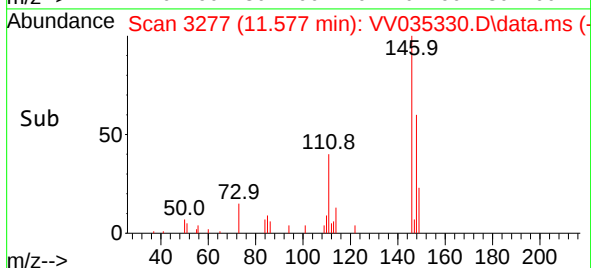
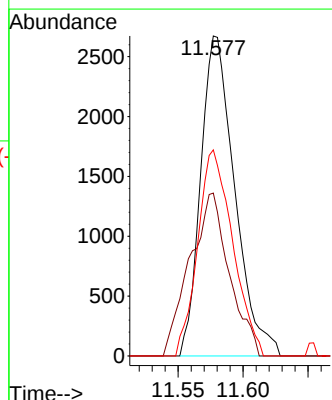
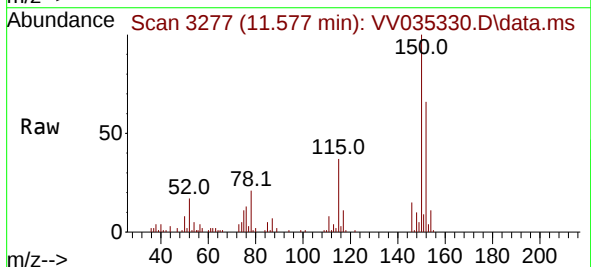
RT: 11.577 min Scan# 3277

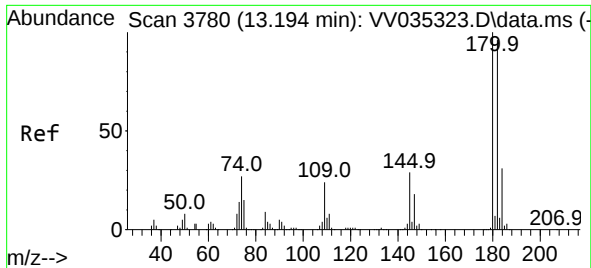
Delta R.T. 0.003 min

Lab File: VV035330.D

Acq: 22 Apr 2024 14:06

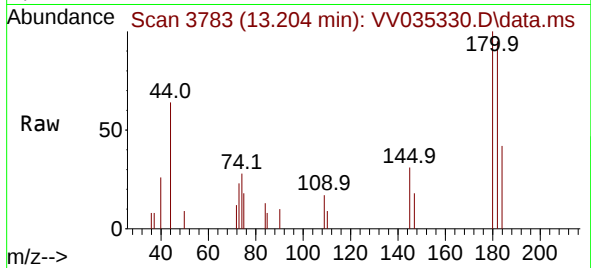
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:146 | Resp: | 4876      |
| Ion Ratio   | Lower | Upper     |
| 146         | 100   |           |
| 111         | 50.9  | 34.6 52.0 |
| 148         | 64.4  | 51.5 77.3 |





#70  
1,2,4-trichlorobenzene  
Concen: 2.183 ug/L  
RT: 13.204 min Scan# 31  
Delta R.T. 0.010 min  
Lab File: VV035330.D  
Acq: 22 Apr 2024 14:06

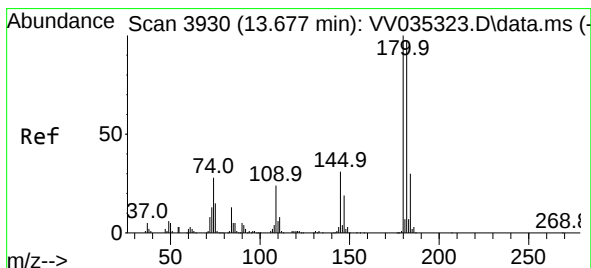
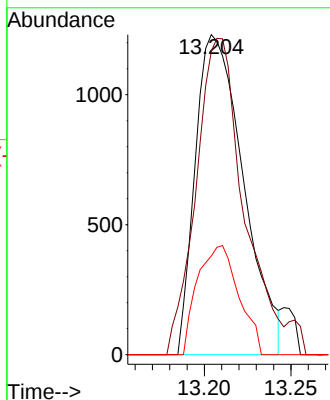
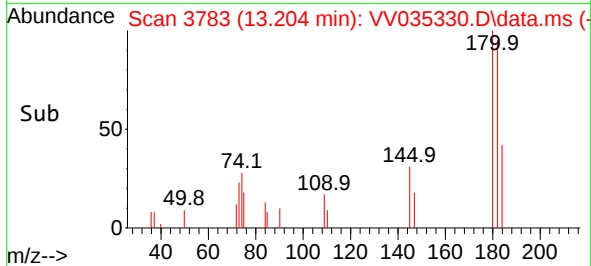
Instrument :  
MSVOA\_V  
ClientSampleId :  
MC0RC9



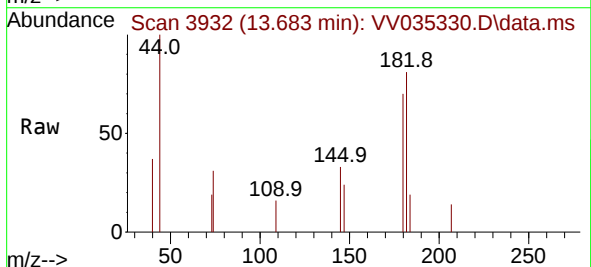
Tgt Ion:180 Resp: 2374  
Ion Ratio Lower Upper  
180 100  
182 97.3 75.6 113.4  
145 29.3 24.1 36.1

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#72  
1,2,3-Trichlorobenzene  
Concen: 0.917 ug/L  
RT: 13.683 min Scan# 3932  
Delta R.T. 0.006 min  
Lab File: VV035330.D  
Acq: 22 Apr 2024 14:06



Tgt Ion:180 Resp: 983  
Ion Ratio Lower Upper  
180 100  
182 108.3 76.2 114.2  
145 37.2 25.8 38.6

