

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV032924\  
 Data File : VV034906.D  
 Acq On : 29 Mar 2024 15:25  
 Operator : SY/MD  
 Sample : P1934-02  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0R36

Quant Time: Mar 30 02:14:45 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM032624WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Mar 29 00:23:40 2024  
 Response via : Initial Calibration

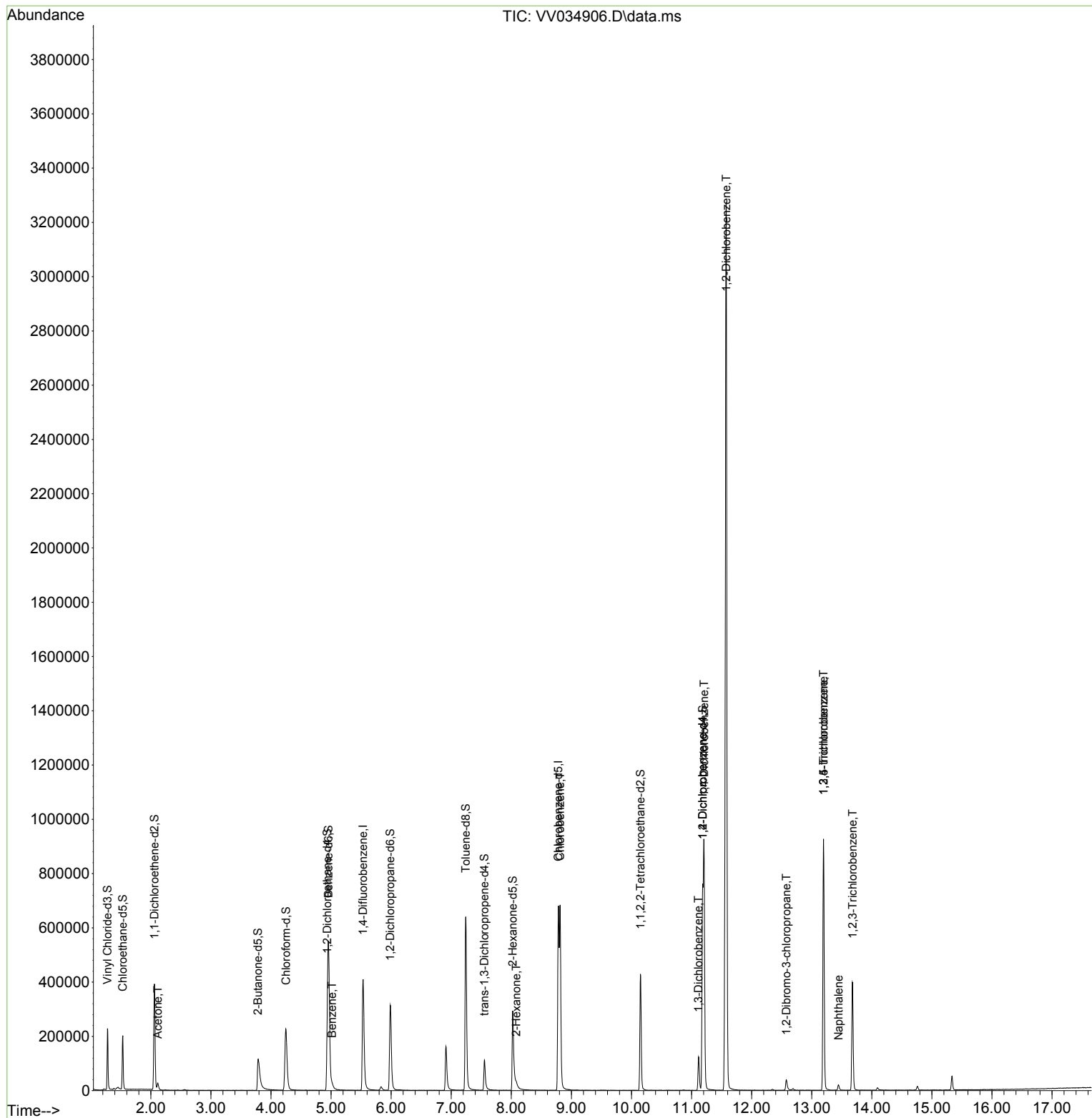
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) 1,4-Difluorobenzene        | 5.532          | 114  | 355518     | 50.000  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.783          | 117  | 346099     | 50.000  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.185         | 152  | 171254     | 50.000  | ug/L   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 4) Vinyl Chloride-d3          | 1.278          | 65   | 145313     | 42.323  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 84.640% |        |          |
| 7) Chloroethane-d5            | 1.532          | 69   | 125853     | 42.202  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 84.400% |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.060          | 65   | 67018      | 44.529  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 89.060% |        |          |
| 21) 2-Butanone-d5             | 3.783          | 46   | 163587     | 80.336  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 80.340% |        |          |
| 24) Chloroform-d              | 4.249          | 84   | 243236     | 42.136  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 84.280% |        |          |
| 26) 1,2-Dichloroethane-d4     | 4.937          | 65   | 155253     | 42.360  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 84.720% |        |          |
| 32) Benzene-d6                | 4.957          | 84   | 501376     | 43.127  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 86.260% |        |          |
| 36) 1,2-Dichloropropane-d6    | 5.986          | 67   | 158685     | 42.984  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 85.960% |        |          |
| 41) Toluene-d8                | 7.243          | 98   | 435900     | 41.634  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 83.260% |        |          |
| 43) trans-1,3-Dichloroprop... | 7.551          | 79   | 68461      | 38.146  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 76.300% |        |          |
| 47) 2-Hexanone-d5             | 8.024          | 63   | 100892     | 72.284  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 72.280% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149         | 84   | 206693     | 40.657  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 81.320% |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.185         | 152  | 165387     | 43.013  | ug/L   | -0.37    |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 86.020% |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         | Qvalue |          |
| 13) Acetone                   | 2.114          | 43   | 22100      | 11.821  | ug/L   | 99       |
| 33) Benzene                   | 5.015          | 78   | 19509      | 1.729   | ug/L   | 100      |
| 48) 2-Hexanone                | 8.082          | 43   | 15296      | 4.516   | ug/L # | 93       |
| 51) Chlorobenzene             | 8.812          | 112  | 351817     | 45.942  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.117         | 146  | 48370      | 8.384   | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.207         | 146  | 335394     | 57.164  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 11.577         | 146  | 1184303    | 206.056 | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.577         | 75   | 1370       | 1.340   | ug/L # | 4        |
| 69) 1,3,5-Trichlorobenzene    | 13.198         | 180  | 270090     | 64.955  | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.198         | 180  | 270090     | 70.713  | ug/L   | 99       |
| 71) Naphthalene               | 13.445         | 128  | 17080      | 1.612   | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.680         | 180  | 117953     | 31.329  | ug/L   | 100      |
| -----                         |                |      |            |         |        |          |

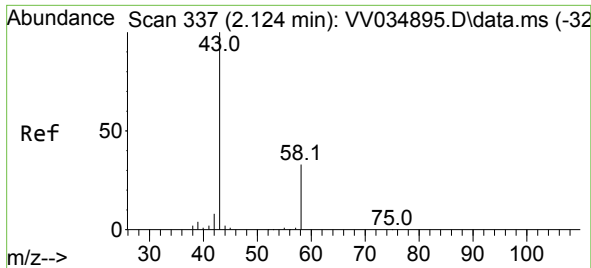
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV032924\  
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Sample : P1934-02  
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Instrument :  
MSVOA\_V  
ClientSampleId :  
COR36

Quant Time: Mar 30 02:14:45 2024  
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Quant Title : VOC Analysis  
QLast Update : Fri Mar 29 00:23:40 2024  
Response via : Initial Calibration





#13

Acetone

Concen: 11.821 ug/L

RT: 2.114 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV034906.D

Acq: 29 Mar 2024 15:25

Instrument :

MSVOA\_V

ClientSampleId :

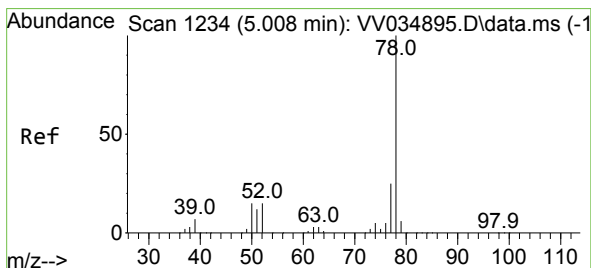
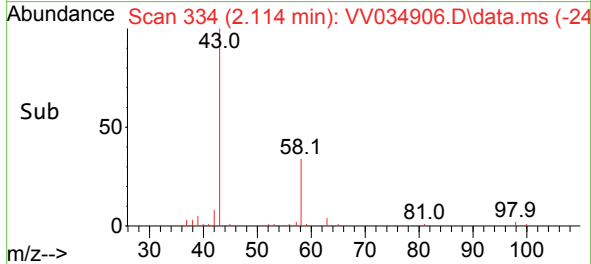
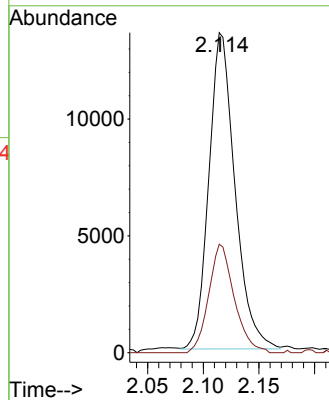
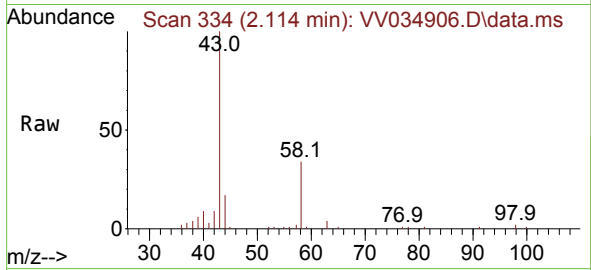
C0R36

Tgt Ion: 43 Resp: 22100

Ion Ratio Lower Upper

43 100

58 33.4 0.0 66.0



#33

Benzene

Concen: 1.729 ug/L

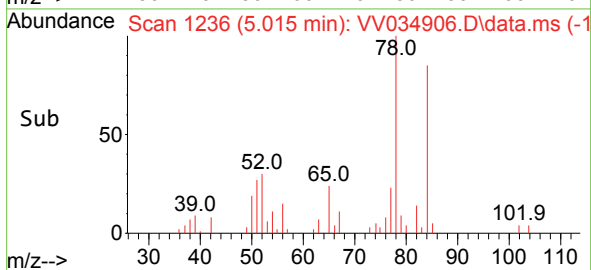
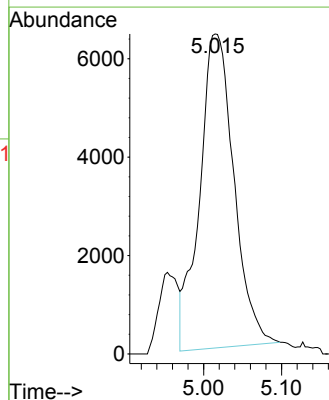
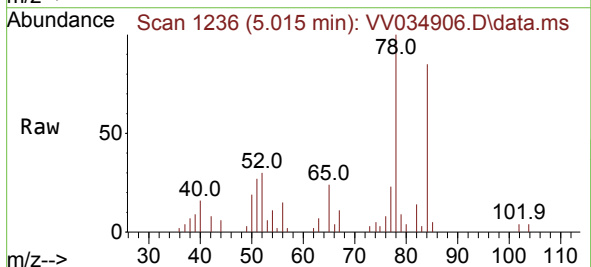
RT: 5.015 min Scan# 1236

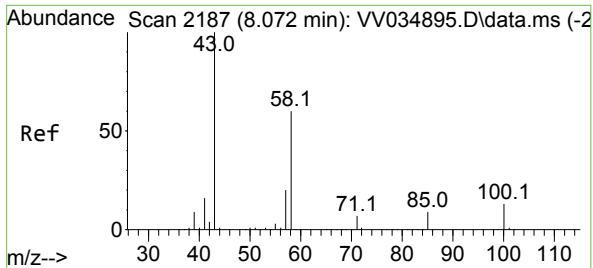
Delta R.T. 0.007 min

Lab File: VV034906.D

Acq: 29 Mar 2024 15:25

Tgt Ion: 78 Resp: 19509

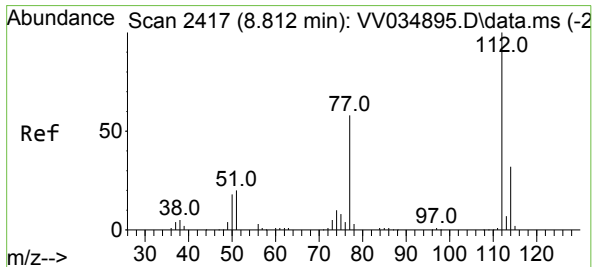
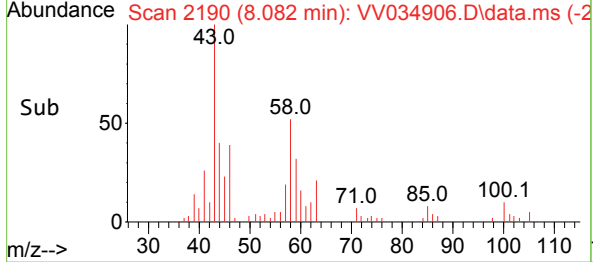
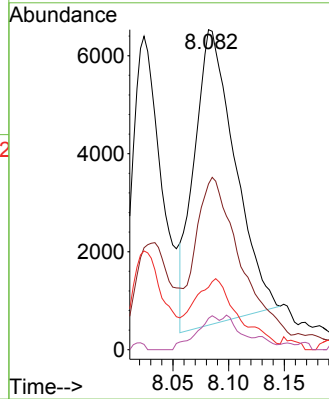
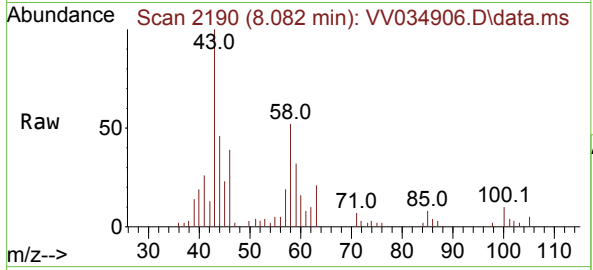




#48  
2-Hexanone  
Concen: 4.516 ug/L  
RT: 8.082 min Scan# 2187  
Delta R.T. 0.010 min  
Lab File: VV034906.D  
Acq: 29 Mar 2024 15:25

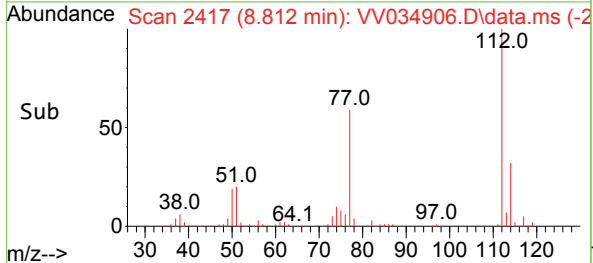
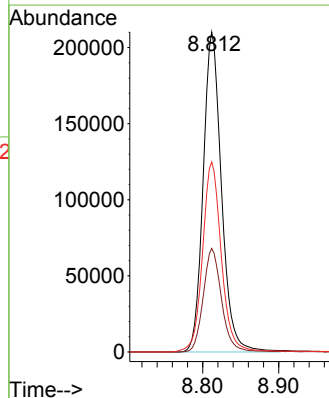
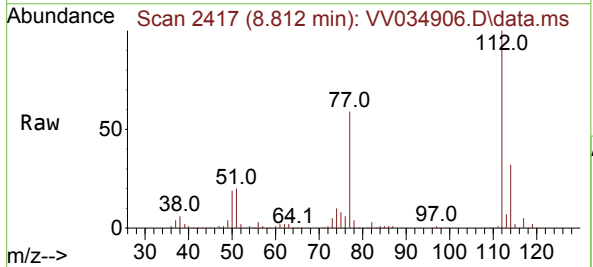
Instrument :  
MSVOA\_V  
ClientSampleId :  
C0R36

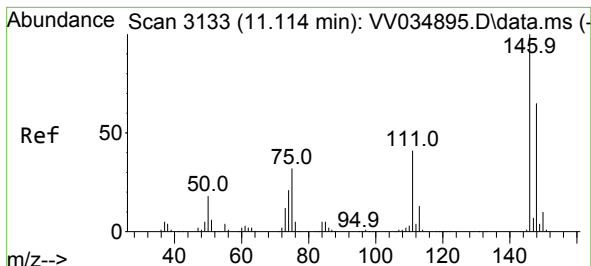
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 15296 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 59.7     | 45.4 68.2   |
| 57 14.9     | 16.2 24.4#  |
| 100 6.4     | 10.1 15.1#  |



#51  
Chlorobenzene  
Concen: 45.942 ug/L  
RT: 8.812 min Scan# 2417  
Delta R.T. 0.000 min  
Lab File: VV034906.D  
Acq: 29 Mar 2024 15:25

|              |              |
|--------------|--------------|
| Tgt Ion: 112 | Resp: 351817 |
| Ion Ratio    | Lower Upper  |
| 112 100      |              |
| 114 32.4     | 22.0 41.0    |
| 77 59.4      | 47.4 71.2    |





#64

1,3-Dichlorobenzene

Concen: 8.384 ug/L

RT: 11.117 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV034906.D

Acq: 29 Mar 2024 15:25

Instrument :

MSVOA\_V

ClientSampleId :

C0R36

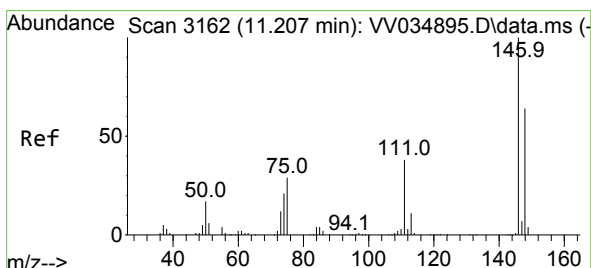
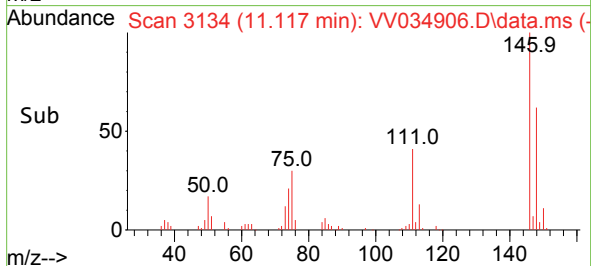
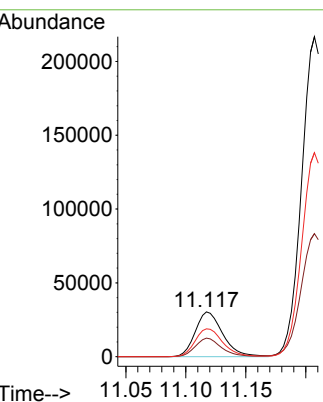
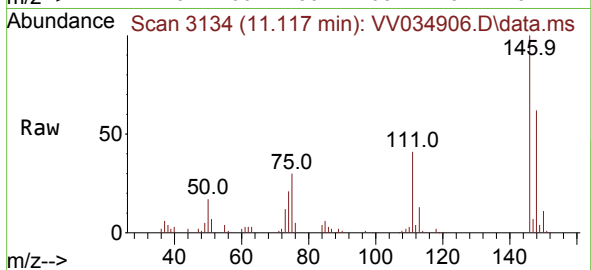
Tgt Ion:146 Resp: 48370

Ion Ratio Lower Upper

146 100

111 41.3 28.7 53.3

148 62.3 44.0 81.8



#65

1,4-Dichlorobenzene

Concen: 57.164 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.000 min

Lab File: VV034906.D

Acq: 29 Mar 2024 15:25

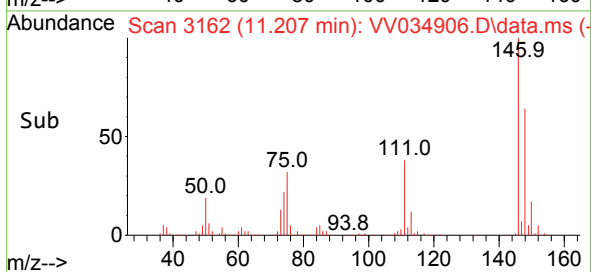
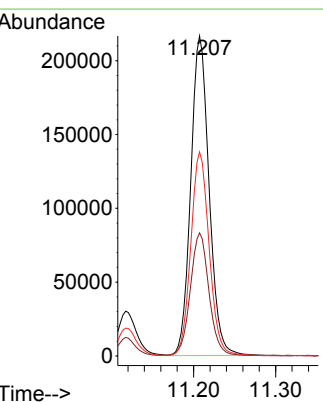
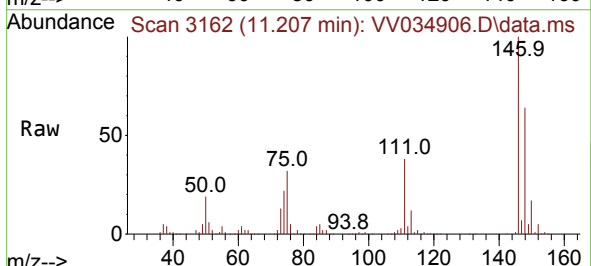
Tgt Ion:146 Resp: 335394

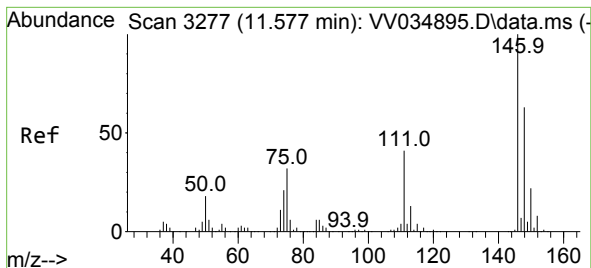
Ion Ratio Lower Upper

146 100

111 38.4 27.4 50.8

148 63.7 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 206.056 ug/L

RT: 11.577 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV034906.D

Acq: 29 Mar 2024 15:25

Instrument :

MSVOA\_V

ClientSampleId :

C0R36

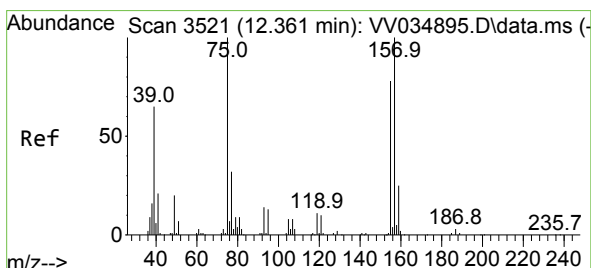
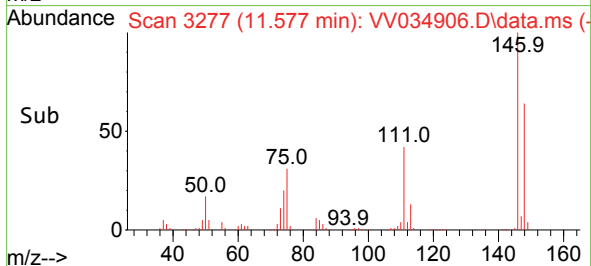
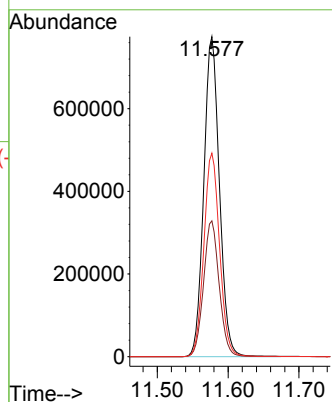
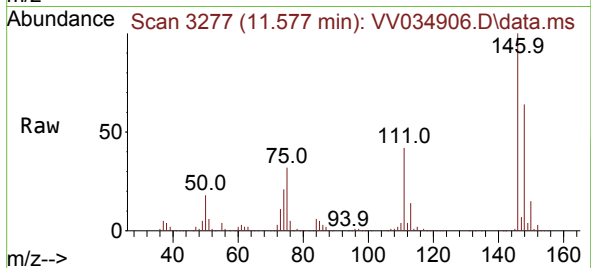
Tgt Ion:146 Resp: 1184303

Ion Ratio Lower Upper

146 100

111 42.4 34.6 52.0

148 63.6 51.5 77.3



#68

1,2-Dibromo-3-chloropropane

Concen: 1.340 ug/L

RT: 12.577 min Scan# 3588

Delta R.T. 0.216 min

Lab File: VV034906.D

Acq: 29 Mar 2024 15:25

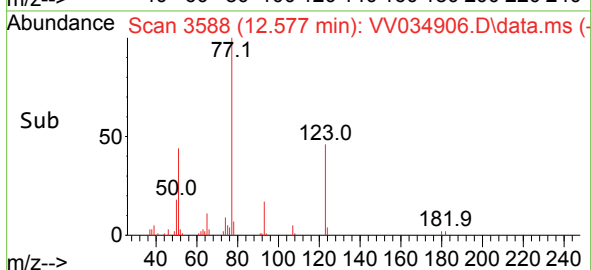
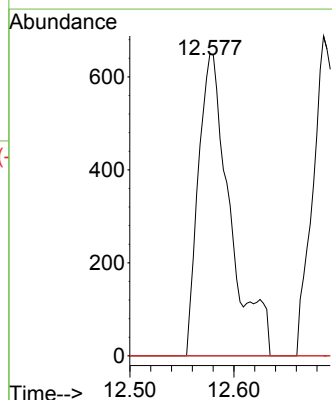
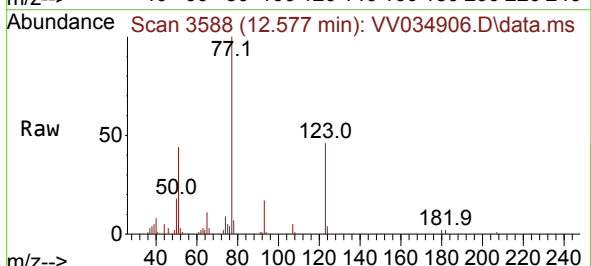
Tgt Ion: 75 Resp: 1370

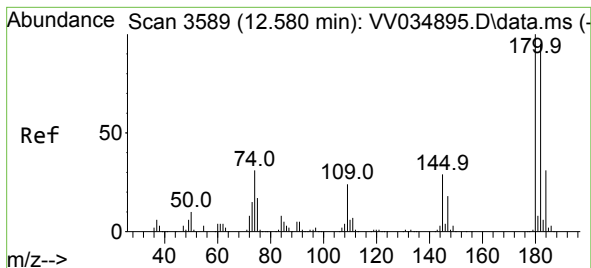
Ion Ratio Lower Upper

75 100

155 0.0 63.0 94.6#

157 0.0 81.0 121.4#





#69

1,3,5-Trichlorobenzene

Concen: 64.955 ug/L

RT: 13.198 min Scan# 3781

Delta R.T. 0.617 min

Lab File: VV034906.D

Acq: 29 Mar 2024 15:25

Instrument :

MSVOA\_V

ClientSampleId :

C0R36

Tgt Ion:180 Resp: 270090

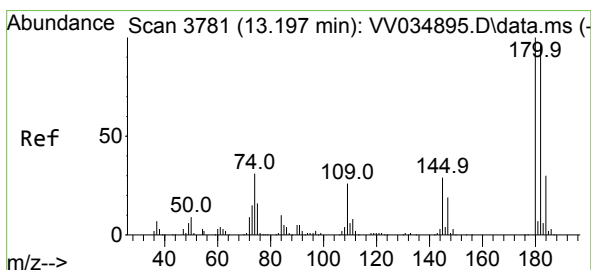
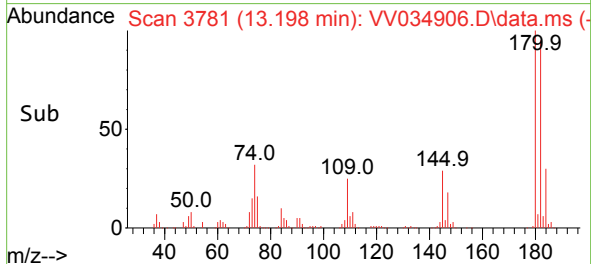
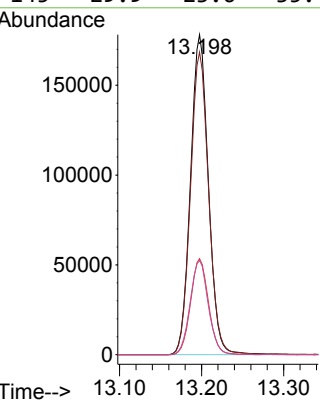
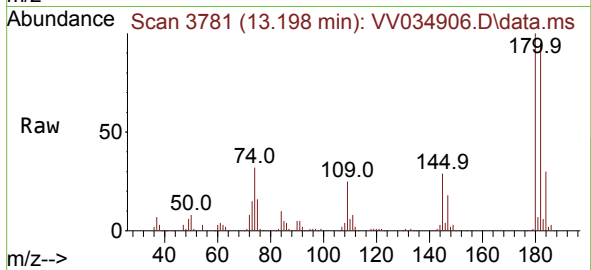
Ion Ratio Lower Upper

180 100

182 95.8 74.7 112.1

184 30.1 24.0 36.0

145 29.9 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 70.713 ug/L

RT: 13.198 min Scan# 3781

Delta R.T. 0.000 min

Lab File: VV034906.D

Acq: 29 Mar 2024 15:25

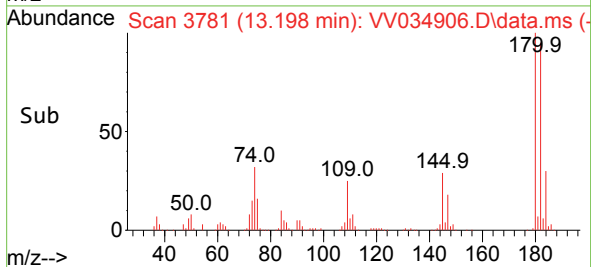
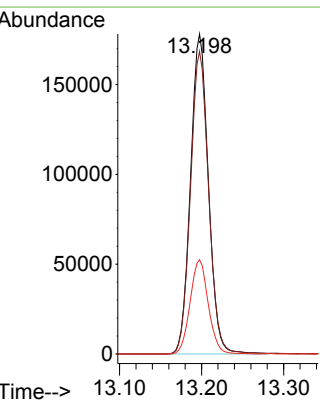
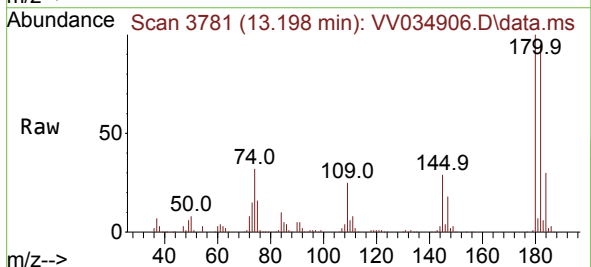
Tgt Ion:180 Resp: 270090

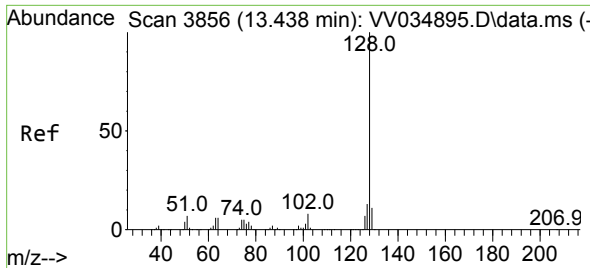
Ion Ratio Lower Upper

180 100

182 95.8 75.6 113.4

145 29.9 24.1 36.1

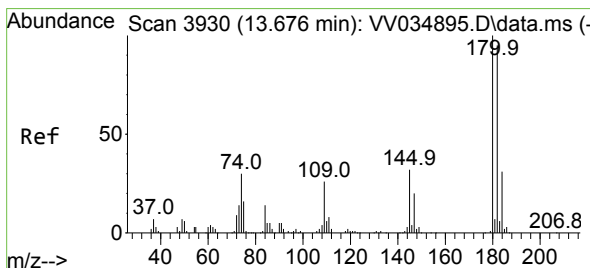
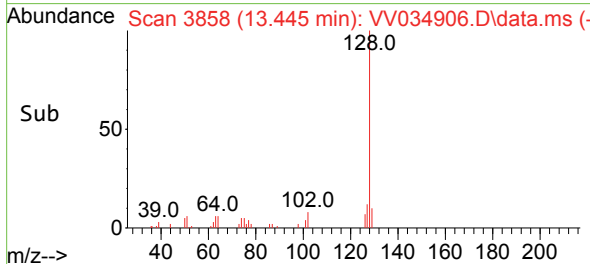
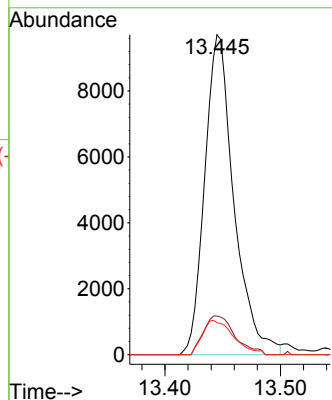
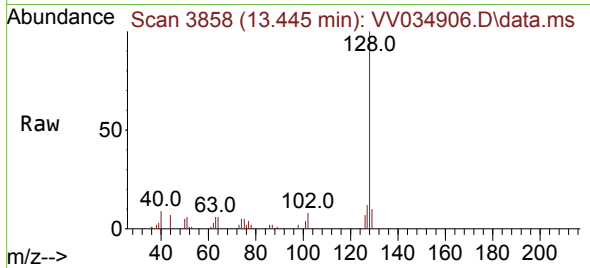




#71  
Naphthalene  
Concen: 1.612 ug/L  
RT: 13.445 min Scan# 3856  
Delta R.T. 0.010 min  
Lab File: VV034906.D  
Acq: 29 Mar 2024 15:25

Instrument :  
MSVOA\_V  
ClientSampleId :  
COR36

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:128 | Resp: | 17080     |
| Ion Ratio   | Lower | Upper     |
| 128         | 100   |           |
| 127         | 13.1  | 10.5 15.7 |
| 129         | 11.3  | 8.7 13.1  |



#72  
1,2,3-Trichlorobenzene  
Concen: 31.329 ug/L  
RT: 13.680 min Scan# 3931  
Delta R.T. 0.000 min  
Lab File: VV034906.D  
Acq: 29 Mar 2024 15:25

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 117953     |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 95.3  | 76.2 114.2 |
| 145         | 31.3  | 25.8 38.6  |

