

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU062724\  
 Data File : VU059555.D  
 Acq On : 27 Jun 2024 12:03  
 Operator : MD/SY  
 Sample : P3010-06ME  
 Misc : 4.62g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 A4CW0ME

Quant Time: Jun 28 04:07:29 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM052924WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jun 27 04:10:00 2024  
 Response via : Initial Calibration

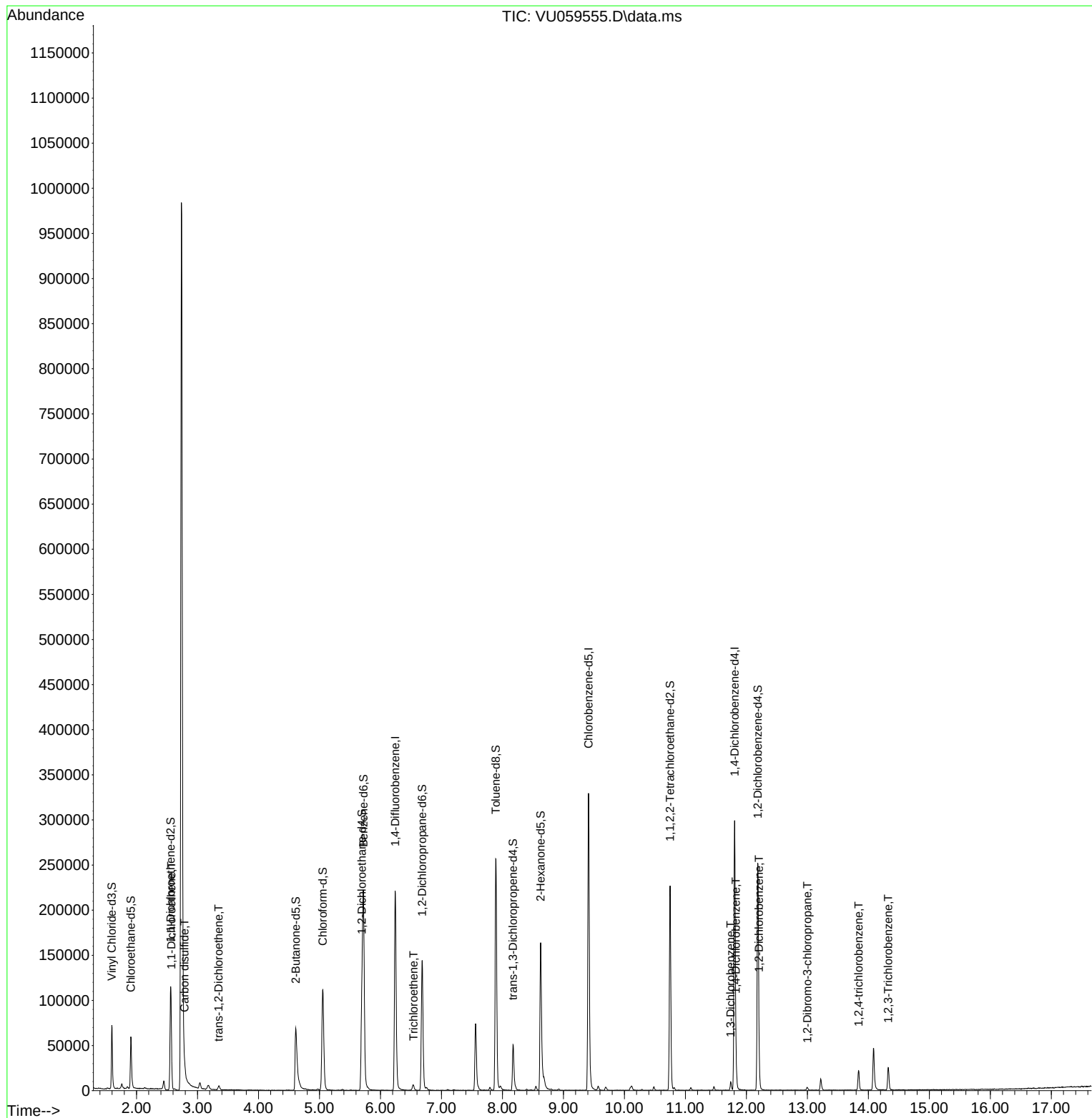
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242          | 114  | 187815     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412          | 117  | 195332     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807         | 152  | 84859      | 50.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.595          | 65   | 52663      | 46.831   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 93.660%  |        |          |
| 7) Chloroethane-d5            | 1.907          | 69   | 47052      | 48.845   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 97.700%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.560          | 63   | 67396      | 30.363   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 60.720%  |        |          |
| 21) 2-Butanone-d5             | 4.611          | 46   | 95348      | 89.956   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 89.960%  |        |          |
| 24) Chloroform-d              | 5.052          | 84   | 109715     | 49.010   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 98.020%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.695          | 65   | 70964      | 51.720   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 103.440% |        |          |
| 32) Benzene-d6                | 5.721          | 84   | 217293     | 48.469   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 96.940%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.682          | 67   | 72446      | 46.867   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 93.740%  |        |          |
| 41) Toluene-d8                | 7.891          | 98   | 182585     | 47.975   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 95.960%  |        |          |
| 43) trans-1,3-Dichloroprop... | 8.174          | 79   | 30948      | 49.530   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 99.060%  |        |          |
| 47) 2-Hexanone-d5             | 8.624          | 63   | 58479      | 81.810   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 81.810%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749         | 84   | 116764     | 44.632   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 89.260%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.187         | 152  | 71705      | 56.622   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 113.240% |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 12) 1,1-Dichloroethene        | 2.570          | 96   | 1667       | 1.256    | ug/L # | 1        |
| 14) Carbon disulfide          | 2.785          | 76   | 8019       | 1.794    | ug/L # | 90       |
| 17) trans-1,2-Dichloroethene  | 3.348          | 96   | 2014       | 1.406    | ug/L   | 73       |
| 34) Trichloroethene           | 6.544          | 95   | 1933       | 1.119    | ug/L # | 87       |
| 64) 1,3-Dichlorobenzene       | 11.743         | 146  | 4709       | 1.688    | ug/L   | 94       |
| 65) 1,4-Dichlorobenzene       | 11.830         | 146  | 5568       | 1.932    | ug/L   | 93       |
| 67) 1,2-Dichlorobenzene       | 12.206         | 146  | 4592       | 1.575    | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 13.000         | 75   | 1081       | 1.807    | ug/L # | 77       |
| 70) 1,2,4-trichlorobenzene    | 13.843         | 180  | 7872       | 5.349    | ug/L   | 93       |
| 72) 1,2,3-Trichlorobenzene    | 14.325         | 180  | 9235       | 6.172    | ug/L   | 98       |
| -----                         |                |      |            |          |        |          |

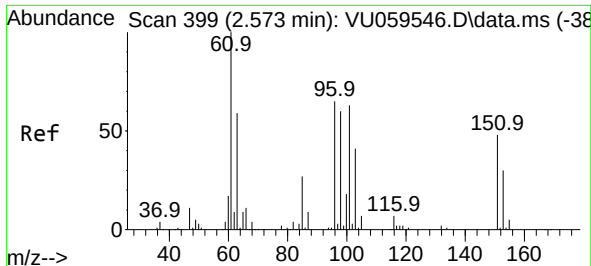
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : P3010-06ME  
Misc : 4.62g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
A4CW0ME

Quant Time: Jun 28 04:07:29 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM052924WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Jun 27 04:10:00 2024  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 1.256 ug/L

RT: 2.570 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU059555.D

Acq: 27 Jun 2024 12:03

Instrument :

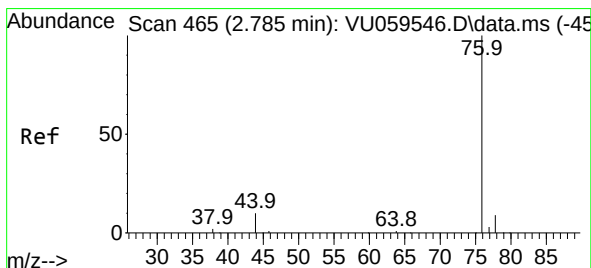
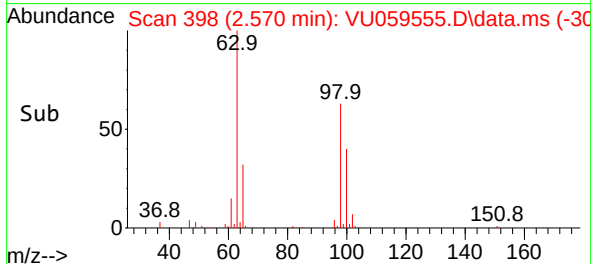
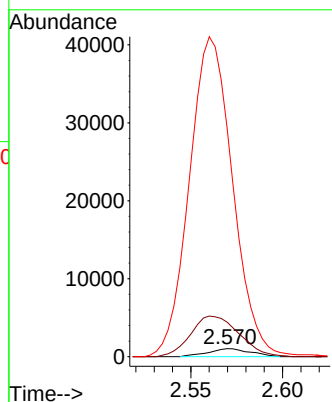
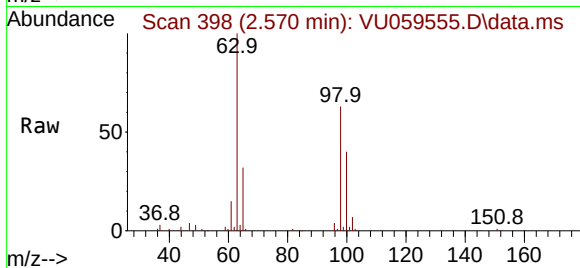
MSVOA\_U

ClientSampleId :

A4CW0ME

Tgt Ion: 96 Resp: 1667

| Ion | Ratio  | Lower | Upper  |
|-----|--------|-------|--------|
| 96  | 100    |       |        |
| 61  | 427.3  | 126.3 | 234.6# |
| 63  | 2832.8 | 78.7  | 146.1# |



#14

Carbon disulfide

Concen: 1.794 ug/L

RT: 2.785 min Scan# 465

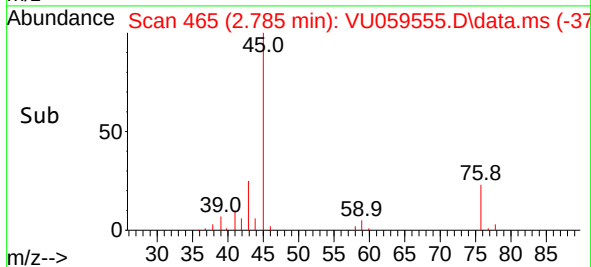
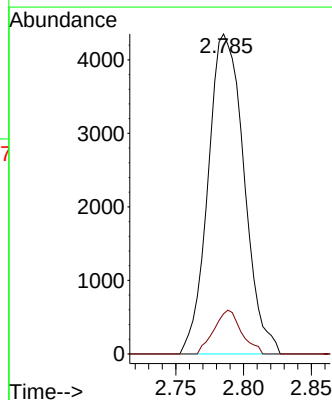
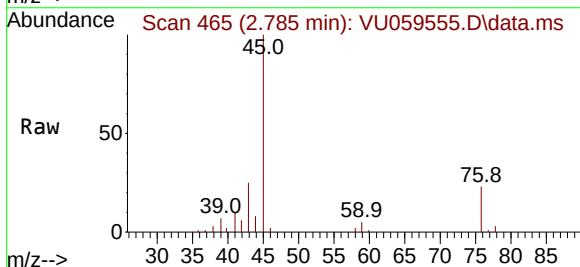
Delta R.T. -0.003 min

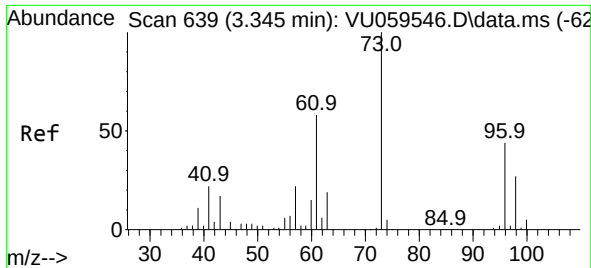
Lab File: VU059555.D

Acq: 27 Jun 2024 12:03

Tgt Ion: 76 Resp: 8019

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 76  | 100   |       |       |
| 78  | 12.5  | 7.2   | 10.8# |

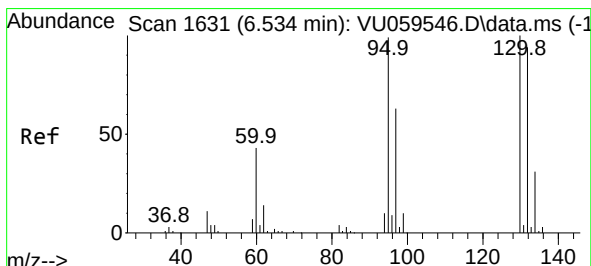
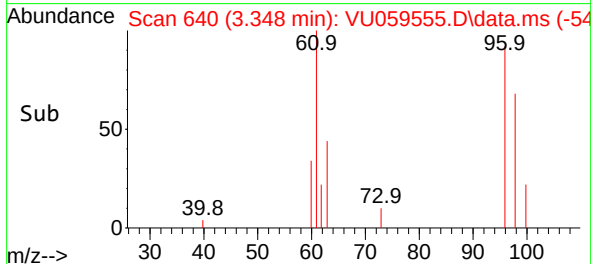
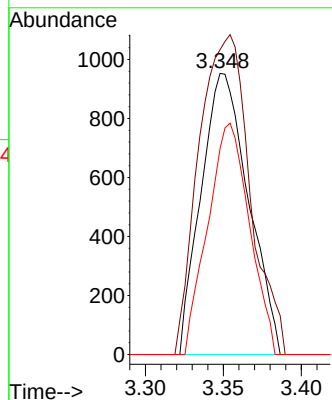
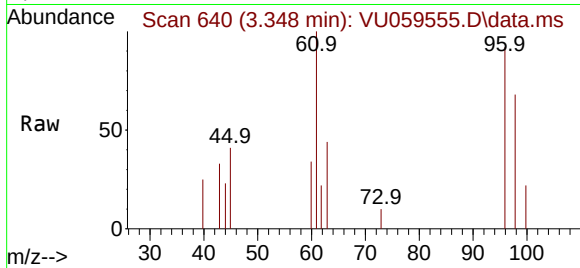




#17  
trans-1,2-Dichloroethene  
Concen: 1.406 ug/L  
RT: 3.348 min Scan# 640  
Delta R.T. 0.003 min  
Lab File: VU059555.D  
Acq: 27 Jun 2024 12:03

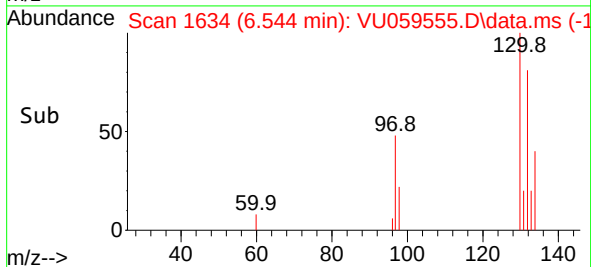
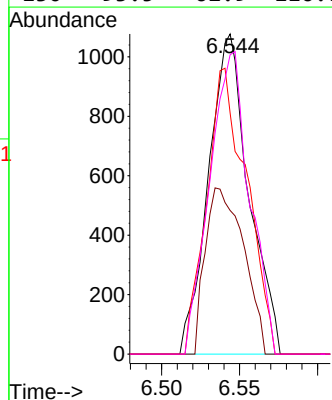
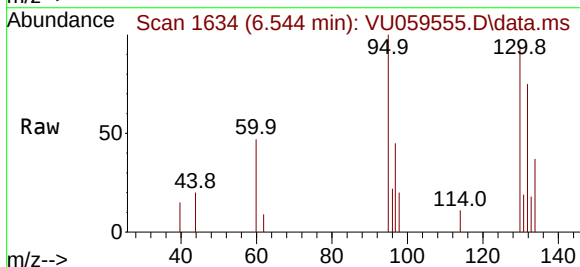
Instrument :  
MSVOA\_U  
ClientSampleId :  
A4CW0ME

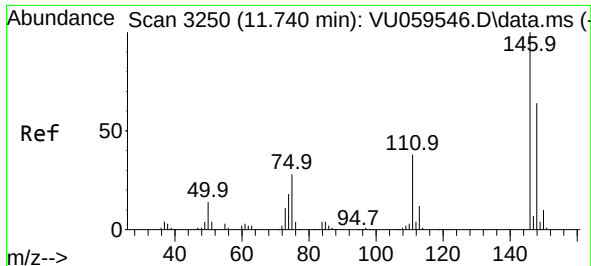
Tgt Ion: 96 Resp: 2014  
Ion Ratio Lower Upper  
96 100  
61 108.4 103.5 192.3  
98 73.2 42.4 78.6



#34  
Trichloroethene  
Concen: 1.119 ug/L  
RT: 6.544 min Scan# 1634  
Delta R.T. 0.006 min  
Lab File: VU059555.D  
Acq: 27 Jun 2024 12:03

Tgt Ion: 95 Resp: 1933  
Ion Ratio Lower Upper  
95 100  
97 44.8 45.2 84.0#  
132 75.3 60.6 112.6  
130 93.5 62.9 116.7

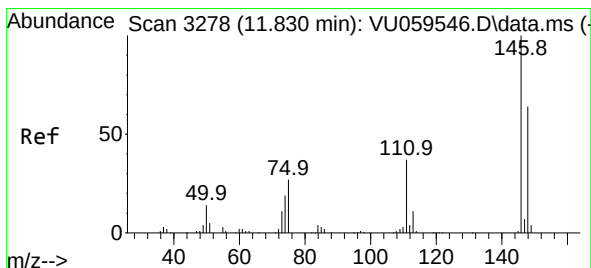
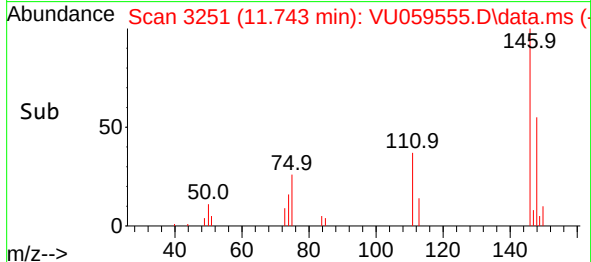
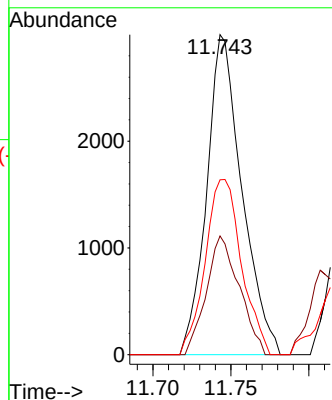
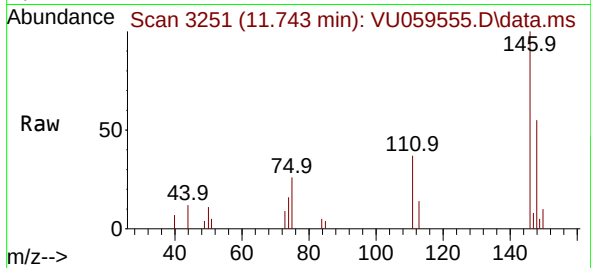




#64  
1,3-Dichlorobenzene  
Concen: 1.688 ug/L  
RT: 11.743 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VU059555.D  
Acq: 27 Jun 2024 12:03

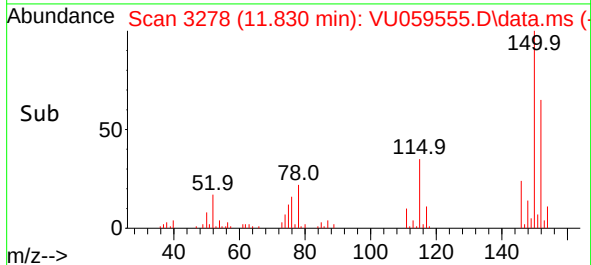
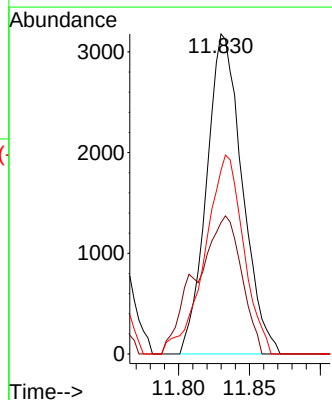
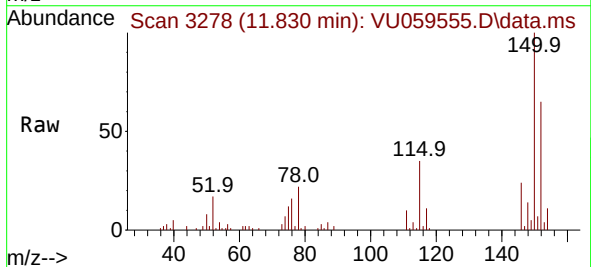
Instrument :  
MSVOA\_U  
ClientSampleId :  
A4CW0ME

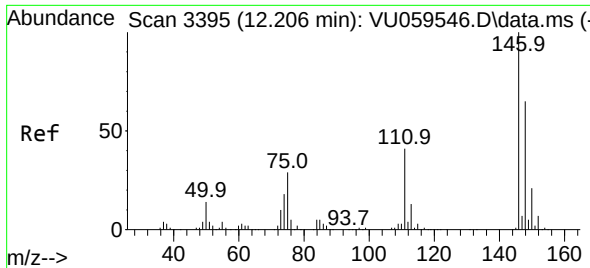
Tgt Ion:146 Resp: 4709  
Ion Ratio Lower Upper  
146 100  
111 37.1 28.7 53.3  
148 59.9 44.9 83.5



#65  
1,4-Dichlorobenzene  
Concen: 1.932 ug/L  
RT: 11.830 min Scan# 3278  
Delta R.T. -0.000 min  
Lab File: VU059555.D  
Acq: 27 Jun 2024 12:03

Tgt Ion:146 Resp: 5568  
Ion Ratio Lower Upper  
146 100  
111 41.1 27.9 51.9  
148 57.4 45.7 84.9





#67

1,2-Dichlorobenzene

Concen: 1.575 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU059555.D

Acq: 27 Jun 2024 12:03

Instrument :

MSVOA\_U

ClientSampleId :

A4CW0ME

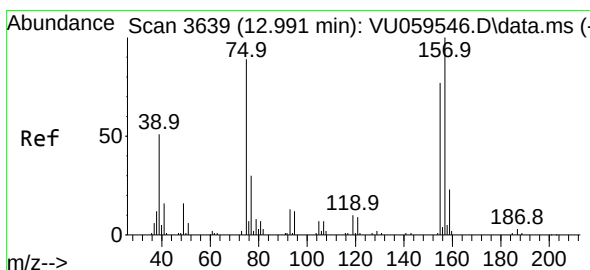
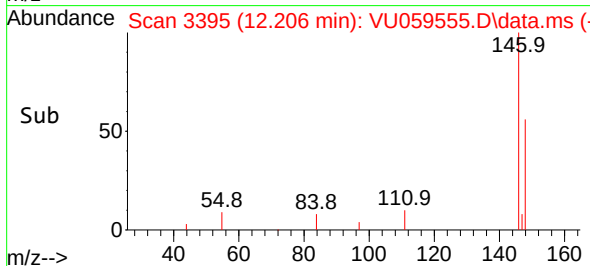
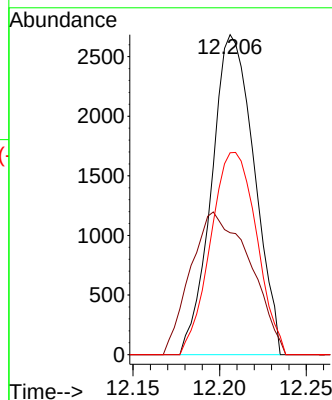
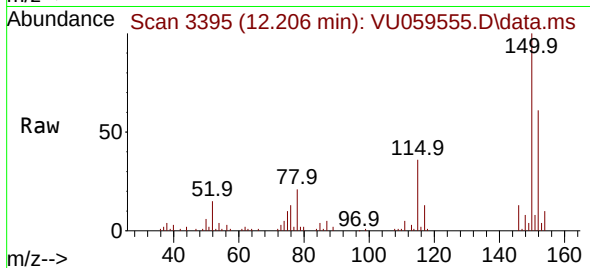
Tgt Ion:146 Resp: 4592

Ion Ratio Lower Upper

146 100

111 38.1 33.4 50.2

148 63.1 49.8 74.8



#68

1,2-Dibromo-3-chloropropane

Concen: 1.807 ug/L

RT: 13.000 min Scan# 3642

Delta R.T. 0.013 min

Lab File: VU059555.D

Acq: 27 Jun 2024 12:03

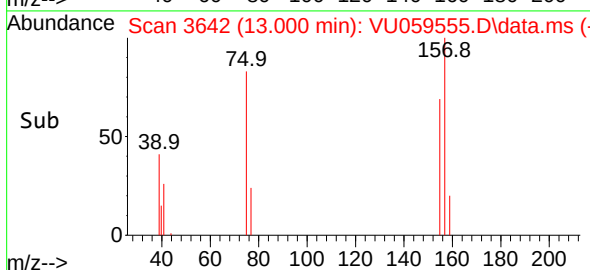
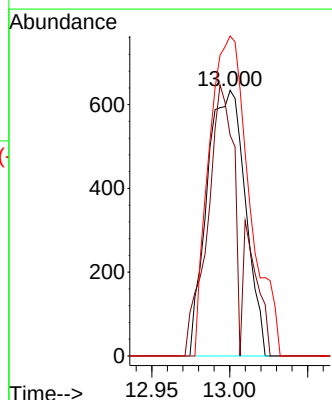
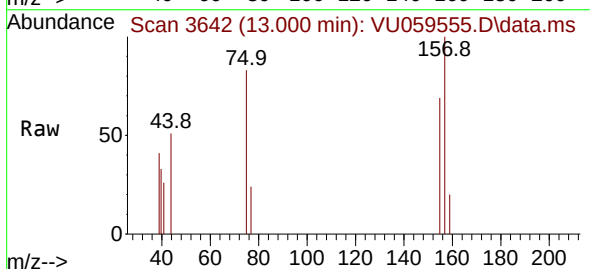
Tgt Ion: 75 Resp: 1081

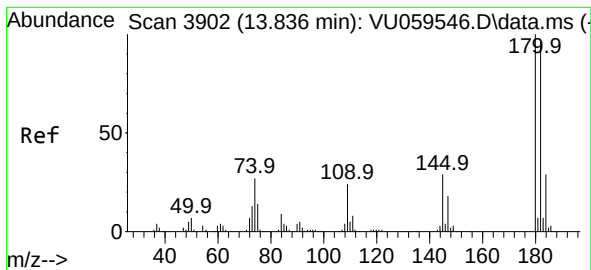
Ion Ratio Lower Upper

75 100

155 83.1 57.5 86.3

157 120.5 73.4 110.2#





#70

1,2,4-trichlorobenzene

Concen: 5.349 ug/L

RT: 13.843 min Scan# 3904

Delta R.T. 0.006 min

Lab File: VU059555.D

Acq: 27 Jun 2024 12:03

Instrument :

MSVOA\_U

ClientSampleId :

A4CW0ME

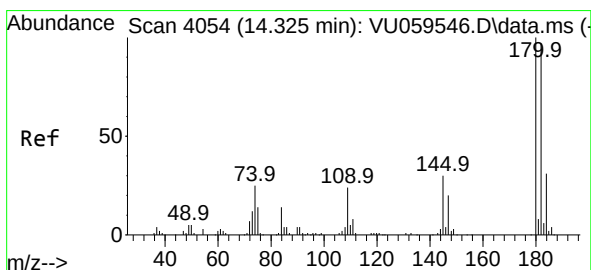
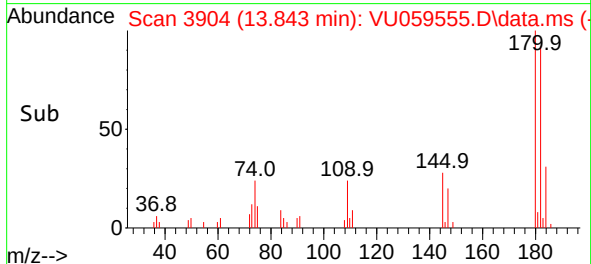
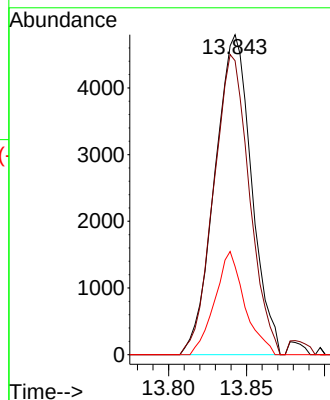
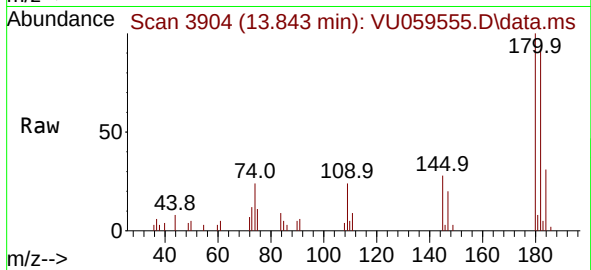
Tgt Ion:180 Resp: 7872

Ion Ratio Lower Upper

180 100

182 91.0 77.4 116.2

145 26.2 24.8 37.2



#72

1,2,3-Trichlorobenzene

Concen: 6.172 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. -0.000 min

Lab File: VU059555.D

Acq: 27 Jun 2024 12:03

Tgt Ion:180 Resp: 9235

Ion Ratio Lower Upper

180 100

182 95.5 76.2 114.4

145 28.4 26.4 39.6

