

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU072424\  
 Data File : VU060156.D  
 Acq On : 24 Jul 2024 16:15  
 Operator : MD/SY  
 Sample : P3280-05  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jul 25 05:14:27 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR071824WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Jul 25 05:11:47 2024  
 Response via : Initial Calibration

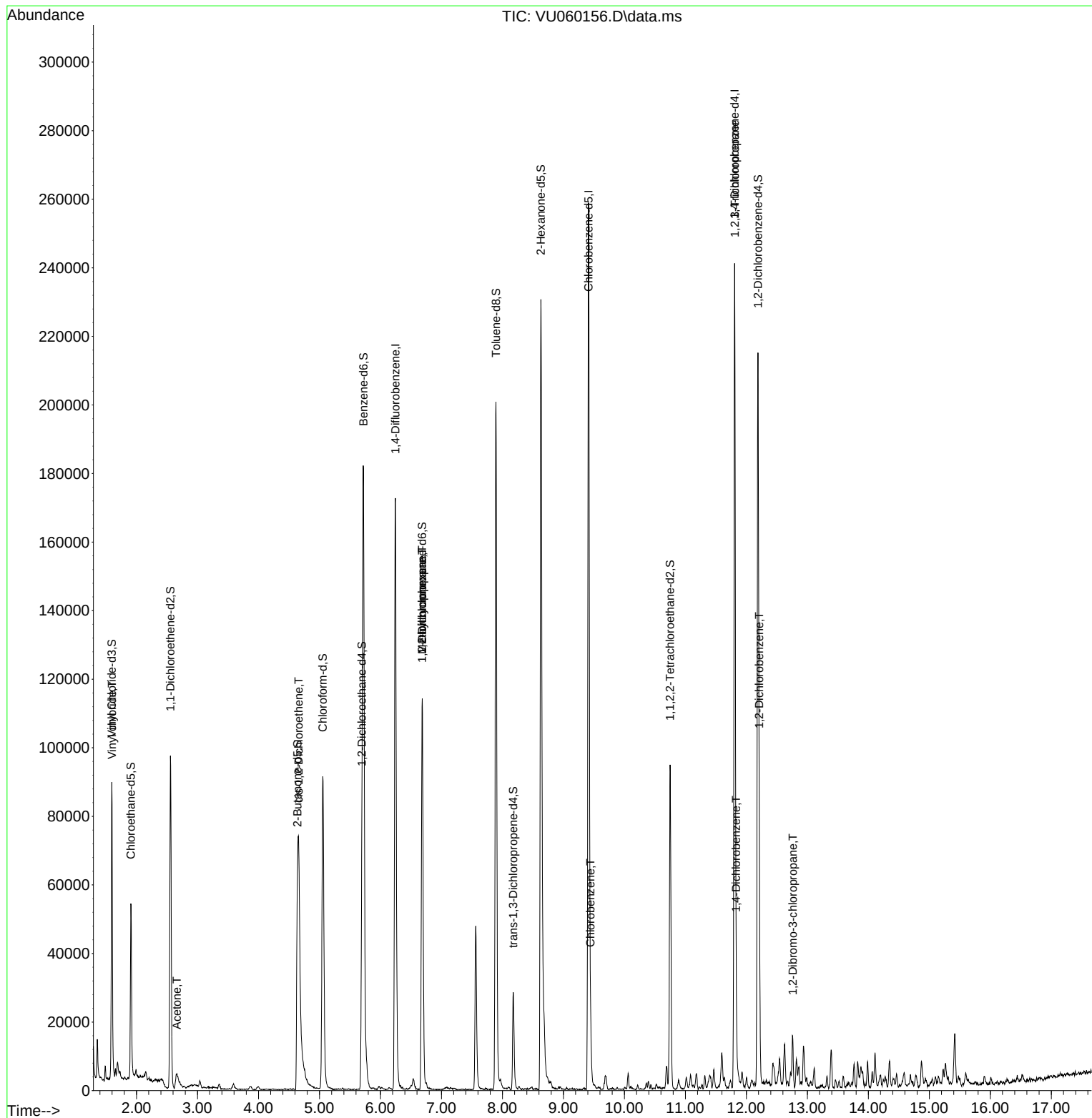
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114   | 145579   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 150416   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 67323    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.595  | 65    | 47249    | 4.665    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 93.200%  |
| 7) Chloroethane-d5            | 1.907  | 69    | 41451    | 4.405    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 88.200%  |
| 11) 1,1-Dichloroethene-d2     | 2.557  | 65    | 18299    | 4.627    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 92.600%  |
| 20) 2-Butanone-d5             | 4.640  | 46    | 114951   | 48.542   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 97.080%  |
| 24) Chloroform-d              | 5.055  | 84    | 88498    | 4.157    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 83.200%  |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 43845    | 4.423    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 88.400%  |
| 32) Benzene-d6                | 5.721  | 84    | 176833   | 4.388    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 87.800%  |
| 36) 1,2-Dichloropropane-d6    | 6.685  | 67    | 58866    | 4.584    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 91.600%  |
| 41) Toluene-d8                | 7.894  | 98    | 143345   | 3.937    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 78.800%  |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79    | 18083    | 4.137    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 82.800%  |
| 46) 2-Hexanone-d5             | 8.630  | 63    | 85195    | 43.920   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 87.840%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749 | 84    | 50083    | 4.382    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 87.600%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152   | 54814    | 4.511    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 90.200%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 5) Vinyl chloride             | 1.599  | 62    | 16670    | 1.118    | ug/L   | 92       |
| 13) Acetone                   | 2.660  | 43    | 8718     | 5.565    | ug/L   | 89       |
| 22) cis-1,2-Dichloroethene    | 4.660  | 96    | 18890    | 1.459    | ug/L   | 93       |
| 35) Methylcyclohexane         | 6.685  | 83    | 13438    | 0.778    | ug/L # | 21       |
| 37) 1,2-Dichloropropane       | 6.682  | 63    | 5655     | 0.421    | ug/L # | 88       |
| 51) Chlorobenzene             | 9.444  | 112   | 8789     | 0.254    | ug/L   | 91       |
| 61) 1,2,3-Trichloropropane    | 11.810 | 75    | 9335     | 1.315    | ug/L # | 67       |
| 65) 1,4-Dichlorobenzene       | 11.833 | 146   | 5029     | 0.208    | ug/L   | 95       |
| 67) 1,2-Dichlorobenzene       | 12.209 | 146   | 22640    | 0.998    | ug/L   | 94       |
| 68) 1,2-Dibromo-3-chloropr... | 12.762 | 75    | 97       | 0.070    | ug/L # | 1        |
| -----                         |        |       |          |          |        |          |

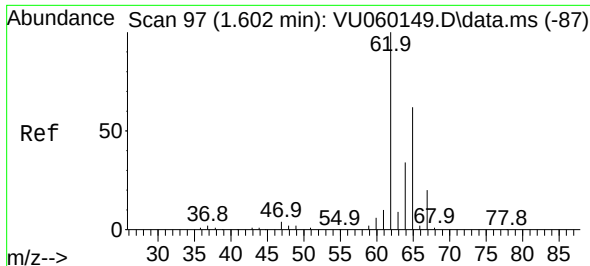
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Jul 25 05:11:47 2024  
Response via : Initial Calibration

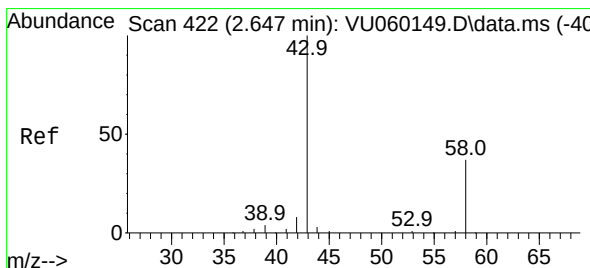
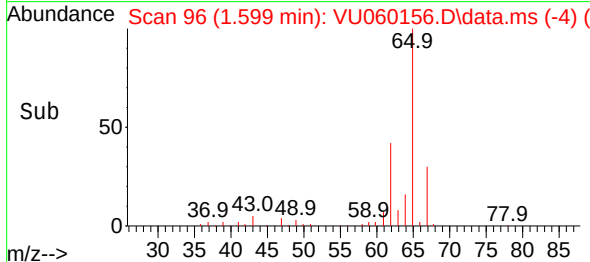
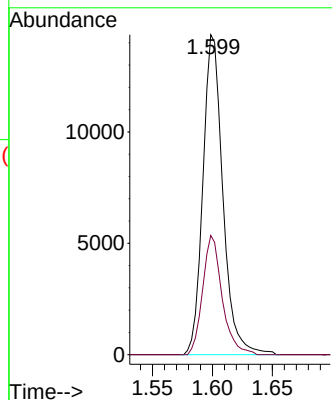
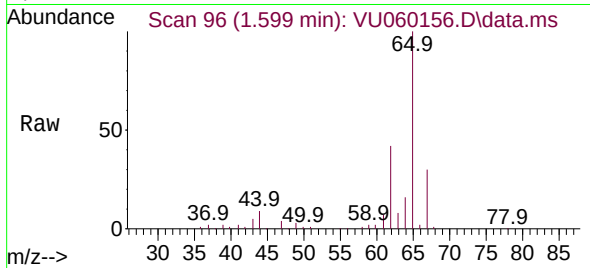




#5  
 Vinyl chloride  
 Concen: 1.118 ug/L  
 RT: 1.599 min Scan# 90  
 Delta R.T. -0.003 min  
 Lab File: VU060156.D  
 Acq: 24 Jul 2024 16:15

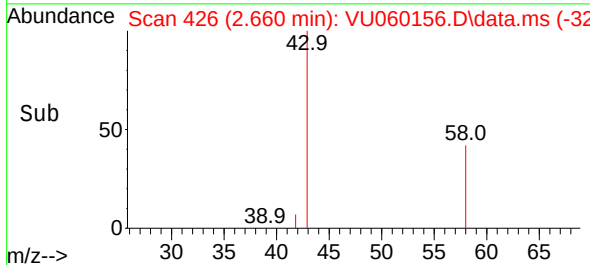
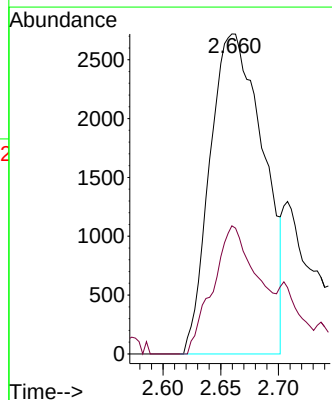
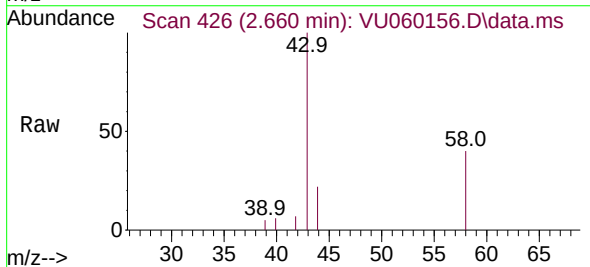
Instrument :  
 MSVOA\_U  
 ClientSampleId :

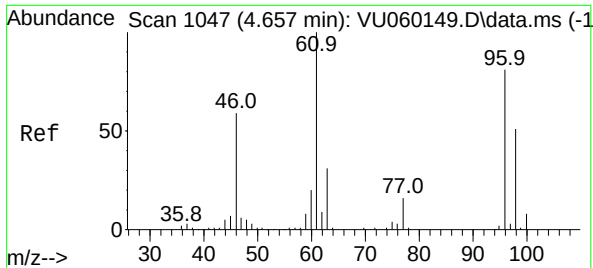
Tgt Ion: 62 Resp: 16670  
 Ion Ratio Lower Upper  
 62 100  
 64 37.2 22.8 42.4



#13  
 Acetone  
 Concen: 5.565 ug/L  
 RT: 2.660 min Scan# 426  
 Delta R.T. 0.013 min  
 Lab File: VU060156.D  
 Acq: 24 Jul 2024 16:15

Tgt Ion: 43 Resp: 8718  
 Ion Ratio Lower Upper  
 43 100  
 58 34.5 0.0 82.2

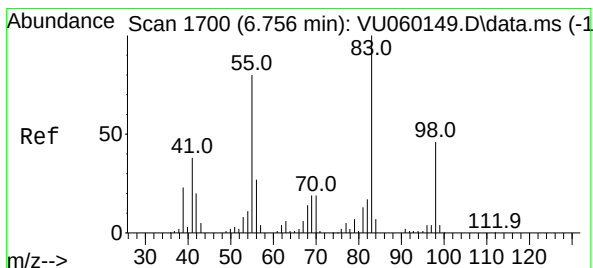
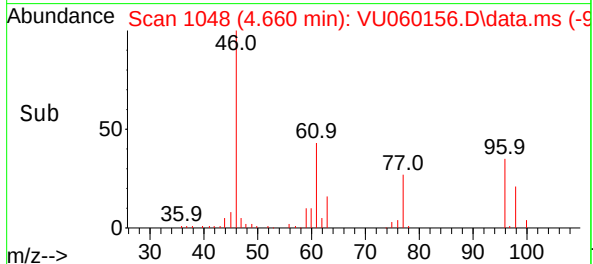
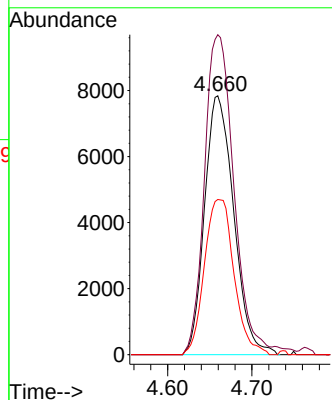
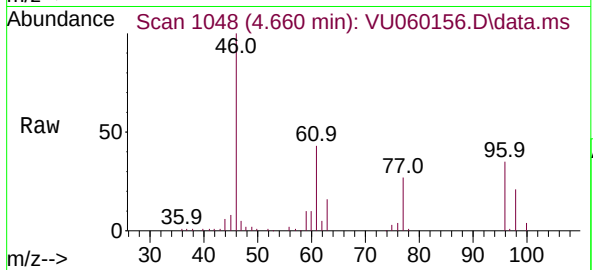




#22  
cis-1,2-Dichloroethene  
Concen: 1.459 ug/L  
RT: 4.660 min Scan# 1047  
Delta R.T. 0.003 min  
Lab File: VU060156.D  
Acq: 24 Jul 2024 16:15

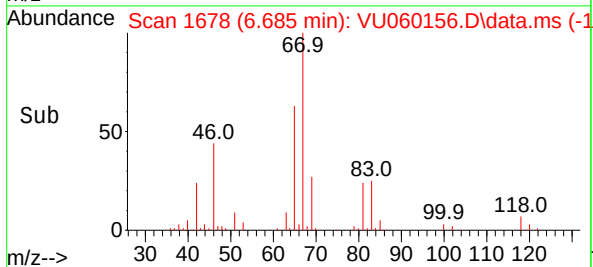
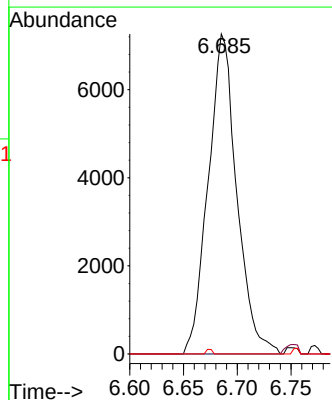
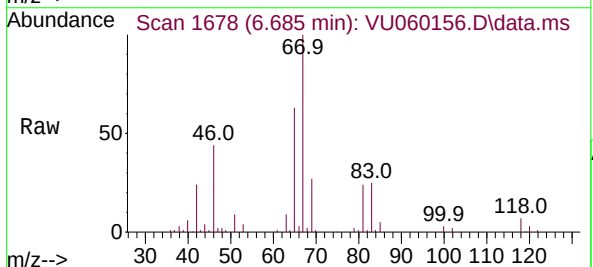
Instrument :  
MSVOA\_U  
ClientSampleId :

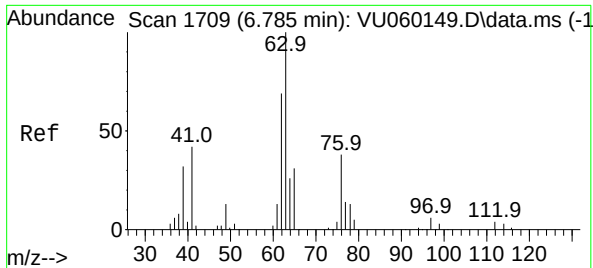
Tgt Ion: 96 Resp: 18890  
Ion Ratio Lower Upper  
96 100  
61 123.6 80.2 148.9  
98 59.9 44.7 83.1



#35  
Methylcyclohexane  
Concen: 0.778 ug/L  
RT: 6.685 min Scan# 1678  
Delta R.T. -0.071 min  
Lab File: VU060156.D  
Acq: 24 Jul 2024 16:15

Tgt Ion: 83 Resp: 13438  
Ion Ratio Lower Upper  
83 100  
55 0.0 56.7 85.1#  
98 0.3 36.6 55.0#

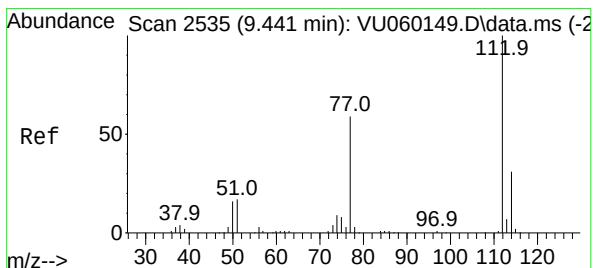
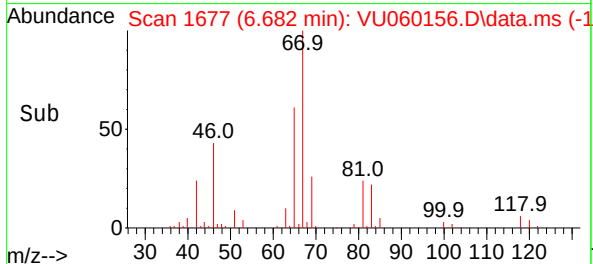
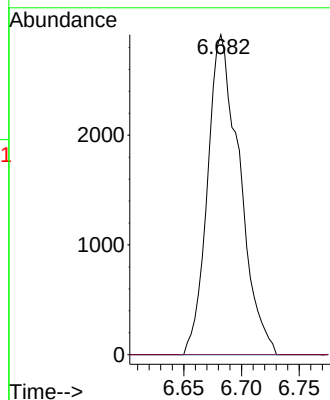
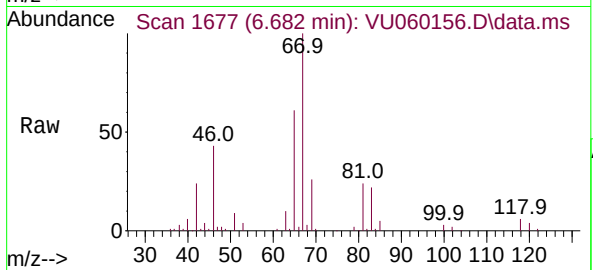




#37  
1,2-Dichloropropane  
Concen: 0.421 ug/L  
RT: 6.682 min Scan# 11  
Delta R.T. -0.103 min  
Lab File: VU060156.D  
Acq: 24 Jul 2024 16:15

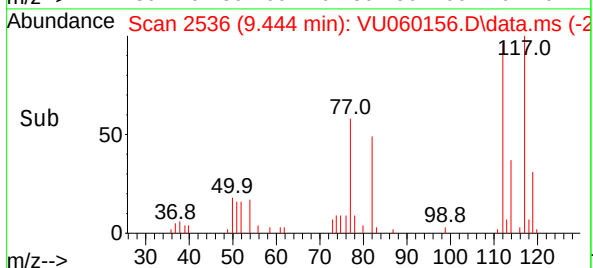
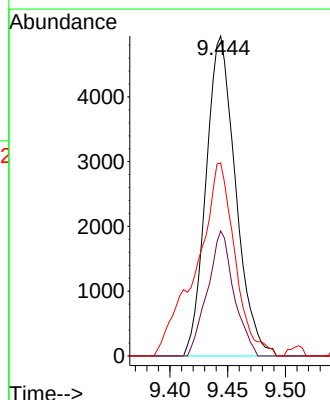
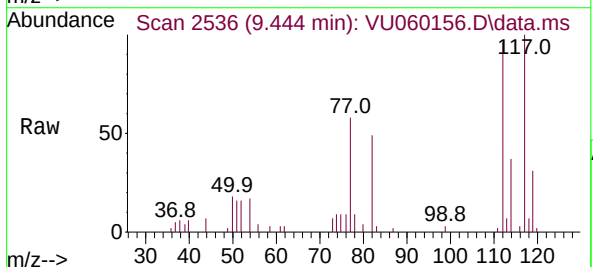
Instrument :  
MSVOA\_U  
ClientSampleId :

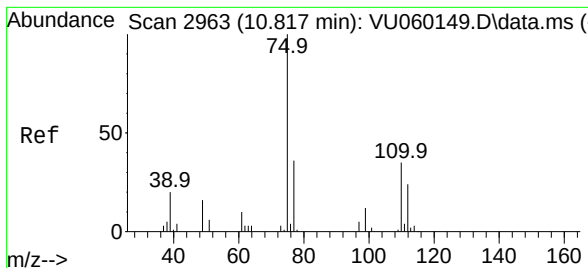
Tgt Ion: 63 Resp: 5655  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.3 4.9#



#51  
Chlorobenzene  
Concen: 0.254 ug/L  
RT: 9.444 min Scan# 2536  
Delta R.T. 0.003 min  
Lab File: VU060156.D  
Acq: 24 Jul 2024 16:15

Tgt Ion:112 Resp: 8789  
Ion Ratio Lower Upper  
112 100  
114 39.1 22.1 41.1  
77 60.3 44.7 67.1





#61

1,2,3-Trichloropropane

Concen: 1.315 ug/L

RT: 11.810 min Scan# 31

Delta R.T. 0.993 min

Lab File: VU060156.D

Acq: 24 Jul 2024 16:15

Instrument :

MSVOA\_U

ClientSampleId :

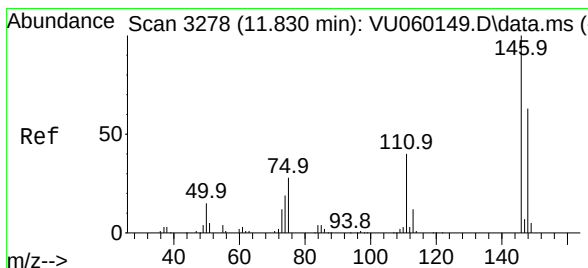
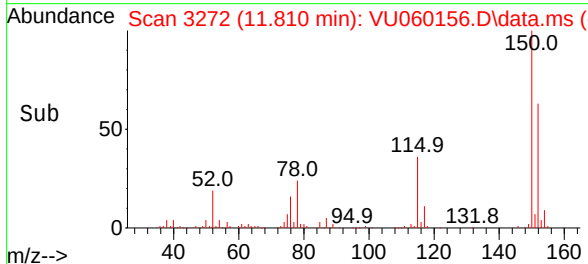
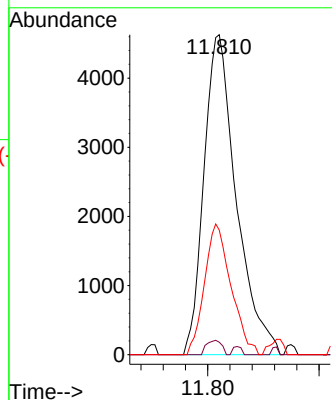
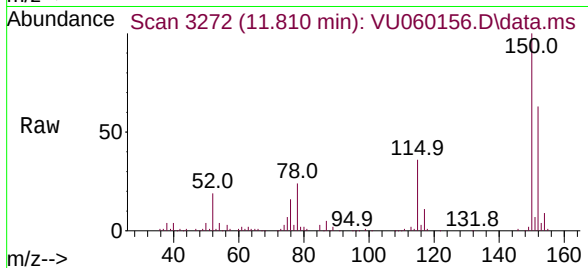
Tgt Ion: 75 Resp: 9335

Ion Ratio Lower Upper

75 100

110 2.1 30.8 46.2#

77 33.5 26.2 39.2



#65

1,4-Dichlorobenzene

Concen: 0.208 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. 0.003 min

Lab File: VU060156.D

Acq: 24 Jul 2024 16:15

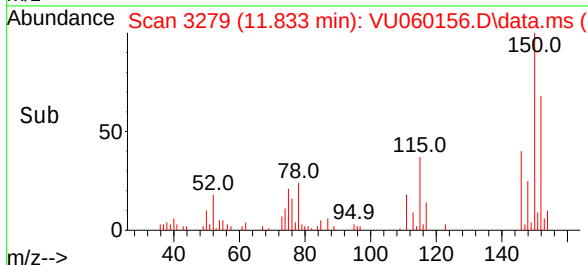
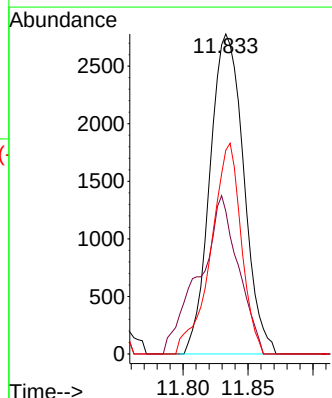
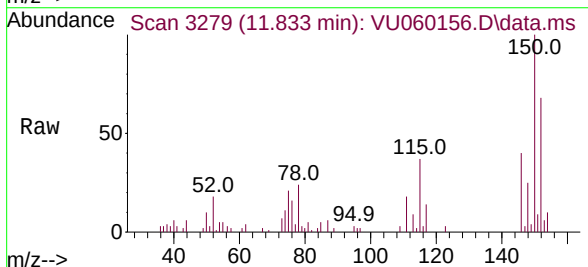
Tgt Ion: 146 Resp: 5029

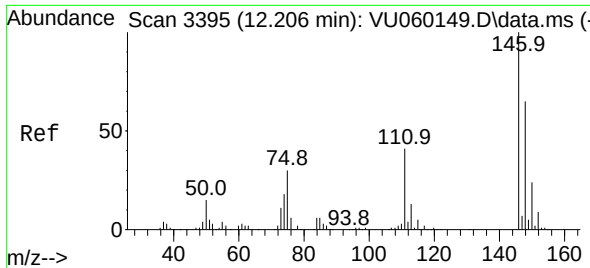
Ion Ratio Lower Upper

146 100

111 44.6 26.5 49.1

148 63.6 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 0.998 ug/L

RT: 12.209 min Scan# 3395

Delta R.T. 0.003 min

Lab File: VU060156.D

Acq: 24 Jul 2024 16:15

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MSVOA\_U

ClientSampleId :

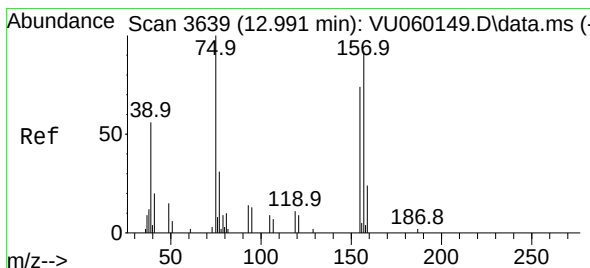
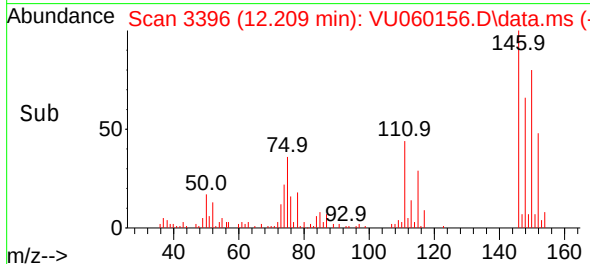
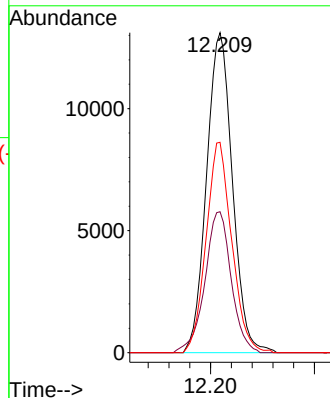
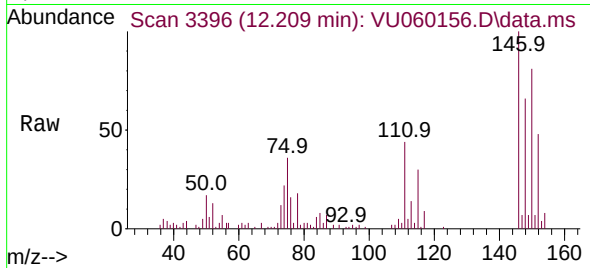
Tgt Ion:146 Resp: 22640

Ion Ratio Lower Upper

146 100

111 44.0 30.9 46.3

148 65.8 49.8 74.8



#68

1,2-Dibromo-3-chloropropane

Concen: 0.070 ug/L

RT: 12.762 min Scan# 3568

Delta R.T. -0.228 min

Lab File: VU060156.D

Acq: 24 Jul 2024 16:15

Tgt Ion: 75 Resp: 97

Ion Ratio Lower Upper

75 100

155 0.0 70.6 105.8#

157 0.0 99.4 149.2#

