

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU072924\  
 Data File : VU060254.D  
 Acq On : 29 Jul 2024 16:27  
 Operator : MD/SY  
 Sample : P3344-01  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BHAW8

Quant Time: Jul 30 04:23:38 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR071824WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Jul 30 04:21:24 2024  
 Response via : Initial Calibration

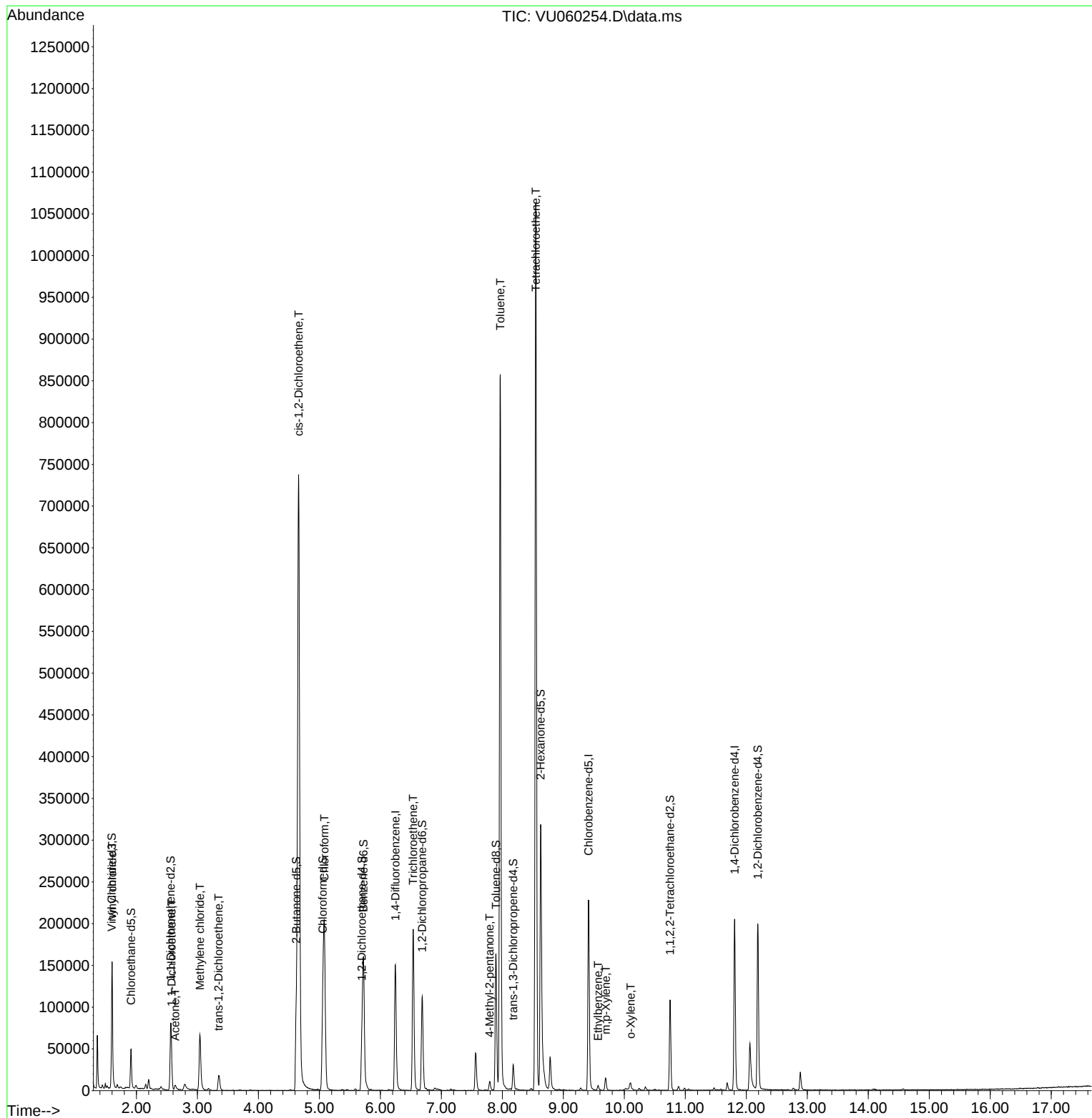
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 6.245  | 114   | 128968   | 5.000    | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 137136   | 5.000    | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 57379    | 5.000    | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 35620    | 3.970    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 79.400%   |
| 7) Chloroethane-d5            | 1.911  | 69    | 36098    | 4.330    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 86.600%   |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 13656    | 3.898    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 78.000%   |
| 20) 2-Butanone-d5             | 4.621  | 46    | 148505   | 70.789   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 141.580%# |
| 24) Chloroform-d              | 5.055  | 84    | 97287    | 5.159    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 103.200%  |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 46325    | 5.276    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 105.600%  |
| 32) Benzene-d6                | 5.721  | 84    | 155156   | 4.223    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 84.400%   |
| 36) 1,2-Dichloropropane-d6    | 6.685  | 67    | 59671    | 5.097    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 102.000%  |
| 41) Toluene-d8                | 7.894  | 98    | 115065   | 3.466    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 69.400%#  |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79    | 18764    | 4.708    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 94.200%   |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 111615   | 63.112   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 126.220%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.750 | 84    | 58463    | 5.611    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 112.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 55128    | 5.323    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 106.400%  |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 5) Vinyl chloride             | 1.602  | 62    | 67363    | 5.101    | ug/L   | 100       |
| 12) 1,1-Dichloroethene        | 2.576  | 96    | 7118     | 0.723    | ug/L # | 23        |
| 13) Acetone                   | 2.634  | 43    | 9900     | 7.134    | ug/L   | 91        |
| 16) Methylene chloride        | 3.039  | 84    | 35798    | 2.966    | ug/L   | 93        |
| 18) trans-1,2-Dichloroethene  | 3.348  | 96    | 8757     | 0.855    | ug/L   | 96        |
| 22) cis-1,2-Dichloroethene    | 4.660  | 96    | 400324   | 34.905   | ug/L   | 94        |
| 25) Chloroform                | 5.081  | 83    | 166443   | 7.784    | ug/L   | 99        |
| 34) Trichloroethene           | 6.538  | 95    | 69729    | 5.803    | ug/L   | 95        |
| 40) 4-Methyl-2-pentanone      | 7.792  | 43    | 7461     | 1.378    | ug/L # | 85        |
| 42) Toluene                   | 7.965  | 91    | 660273   | 13.696   | ug/L   | 99        |
| 47) Tetrachloroethene         | 8.547  | 164   | 237101   | 23.866   | ug/L   | 94        |
| 52) Ethylbenzene              | 9.570  | 91    | 4821     | 0.100    | ug/L   | 95        |
| 53) m,p-Xylene                | 9.695  | 106   | 4871     | 0.262    | ug/L   | 94        |
| 54) o-Xylene                  | 10.103 | 106   | 2103     | 0.118    | ug/L   | 98        |
| -----                         |        |       |          |          |        |           |

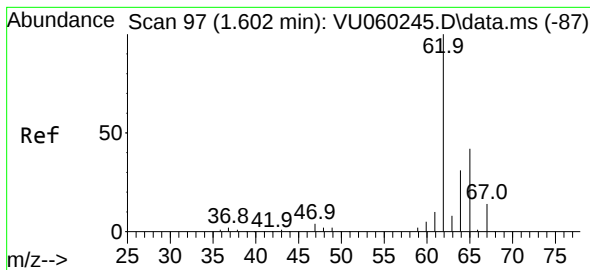
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Tue Jul 30 04:21:24 2024  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 5.101 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU060254.D

Acq: 29 Jul 2024 16:27

Instrument :

MSVOA\_U

ClientSampleId :

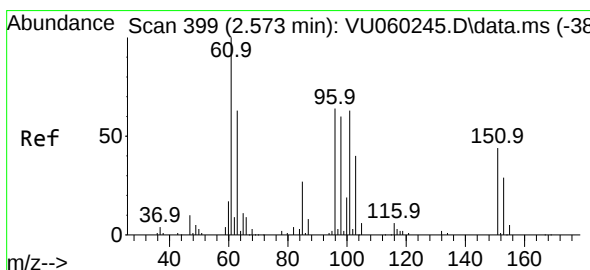
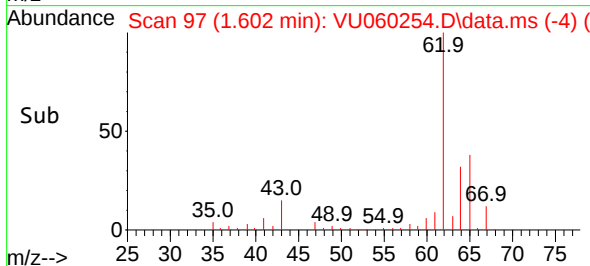
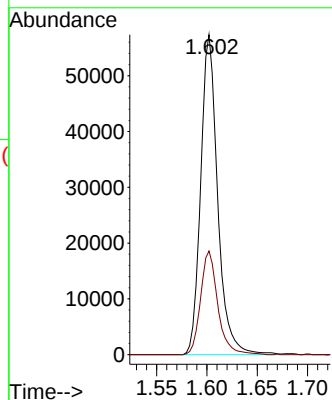
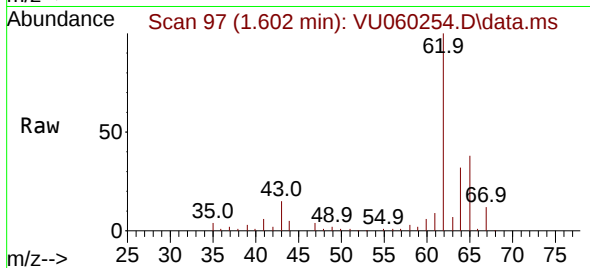
BHAW8

Tgt Ion: 62 Resp: 67363

Ion Ratio Lower Upper

62 100

64 32.4 22.8 42.4



#12

1,1-Dichloroethene

Concen: 0.723 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU060254.D

Acq: 29 Jul 2024 16:27

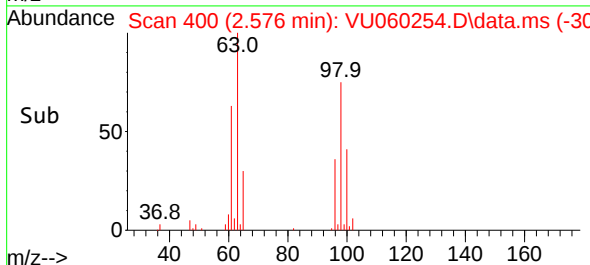
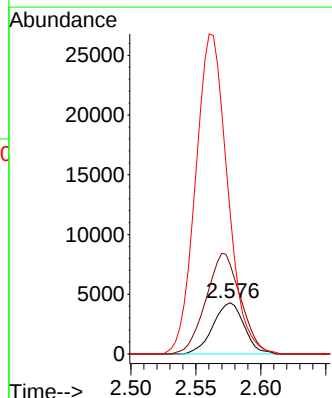
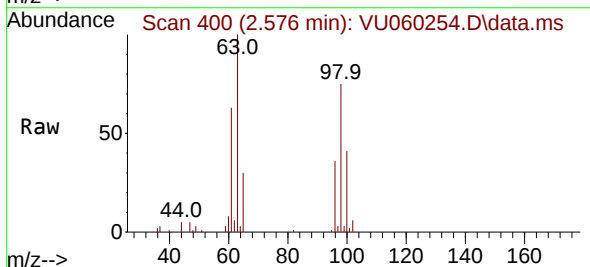
Tgt Ion: 96 Resp: 7118

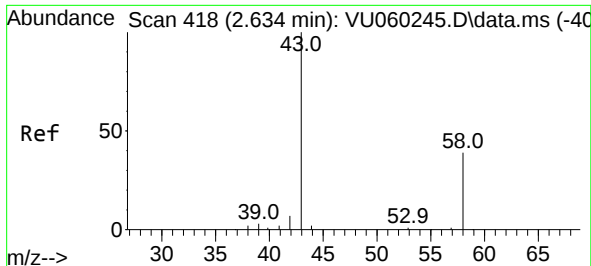
Ion Ratio Lower Upper

96 100

61 175.3 107.0 198.6

63 276.9 76.4 142.0#





#13

Acetone

Concen: 7.134 ug/L

RT: 2.634 min Scan# 418

Delta R.T. 0.000 min

Lab File: VU060254.D

Acq: 29 Jul 2024 16:27

Instrument :

MSVOA\_U

ClientSampleId :

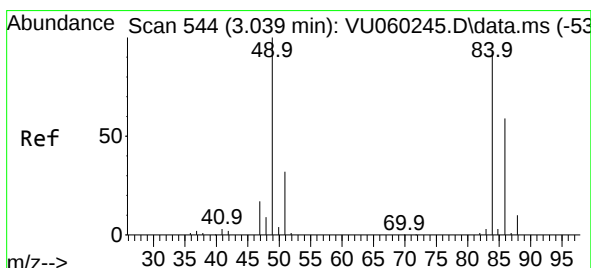
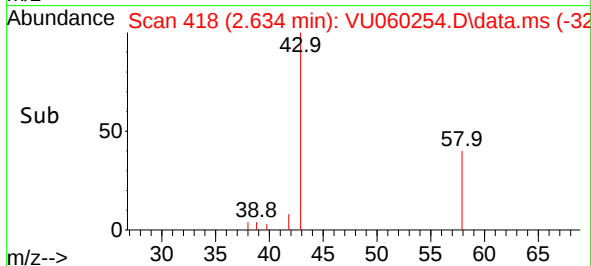
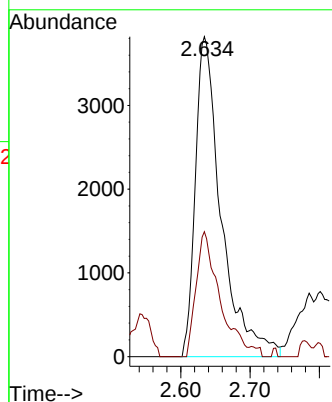
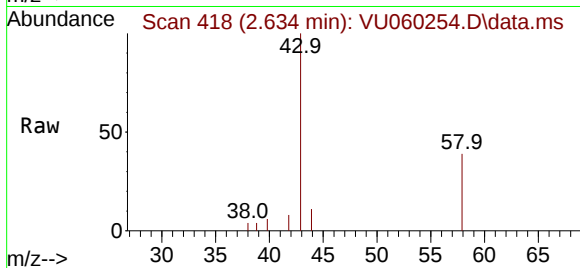
BHAW8

Tgt Ion: 43 Resp: 9900

Ion Ratio Lower Upper

43 100

58 35.3 0.0 82.2



#16

Methylene chloride

Concen: 2.966 ug/L

RT: 3.039 min Scan# 544

Delta R.T. 0.000 min

Lab File: VU060254.D

Acq: 29 Jul 2024 16:27

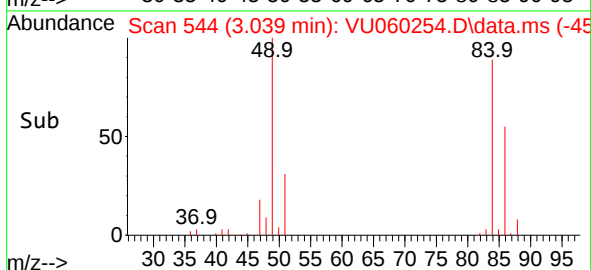
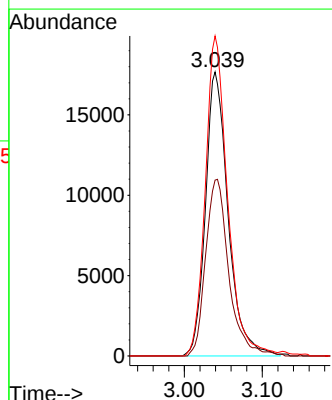
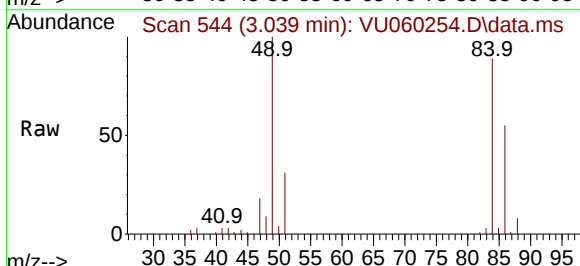
Tgt Ion: 84 Resp: 35798

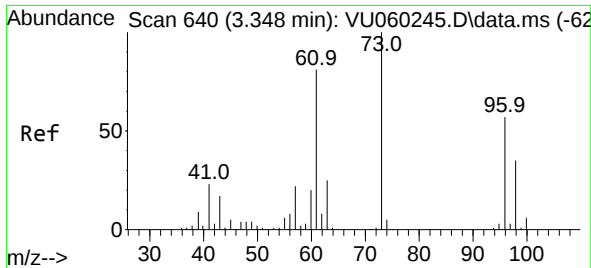
Ion Ratio Lower Upper

84 100

86 61.9 44.4 82.5

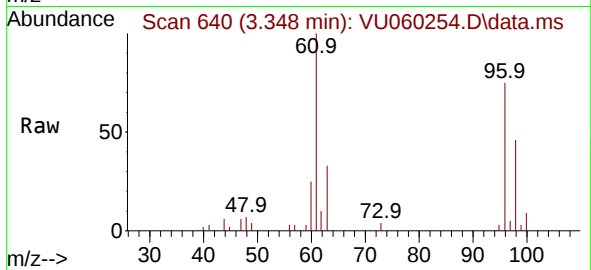
49 112.7 72.0 133.6



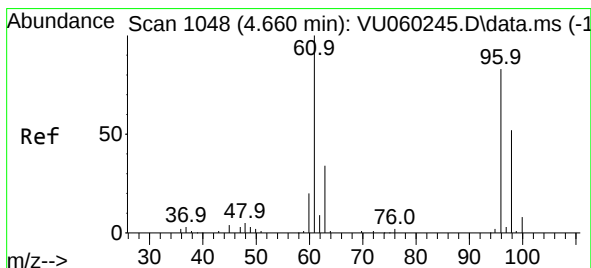
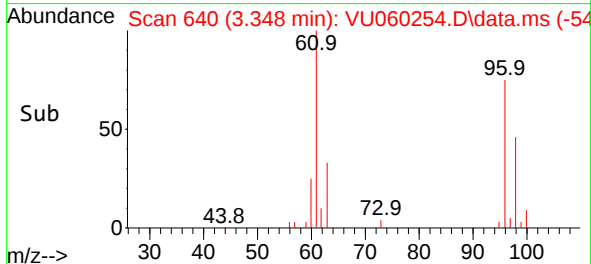
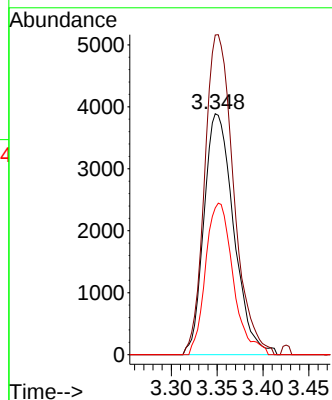


#18  
trans-1,2-Dichloroethene  
Concen: 0.855 ug/L  
RT: 3.348 min Scan# 640  
Delta R.T. 0.000 min  
Lab File: VU060254.D  
Acq: 29 Jul 2024 16:27

Instrument :  
MSVOA\_U  
ClientSampleId :  
BHAW8

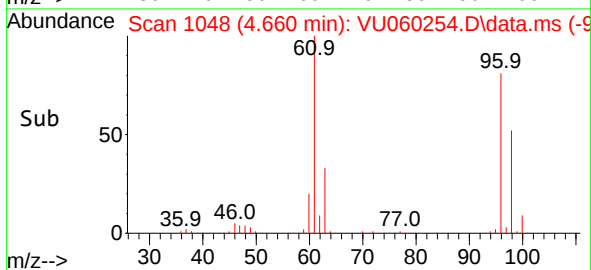
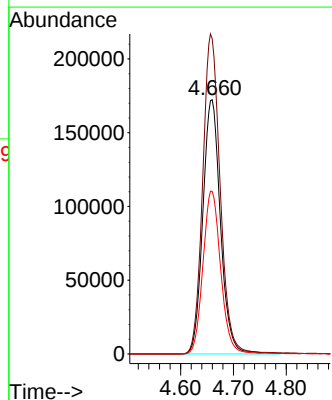
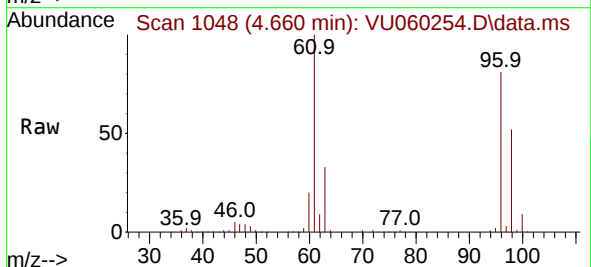


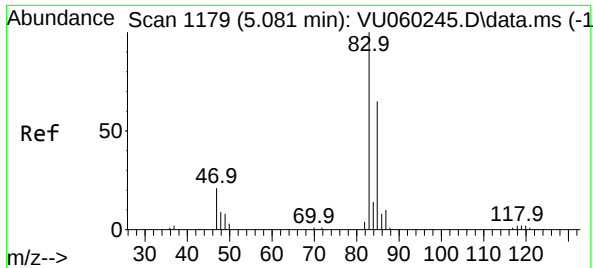
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 8757  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 132.7 | 91.6  | 170.0 |
| 98       | 60.9  | 47.7  | 88.5  |



#22  
cis-1,2-Dichloroethene  
Concen: 34.905 ug/L  
RT: 4.660 min Scan# 1048  
Delta R.T. 0.000 min  
Lab File: VU060254.D  
Acq: 29 Jul 2024 16:27

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 400324 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 124.0 | 80.2  | 148.9  |
| 98       | 64.0  | 44.7  | 83.1   |

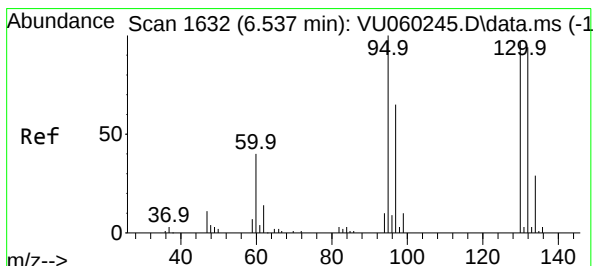
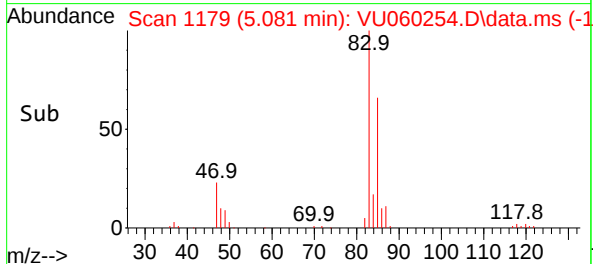
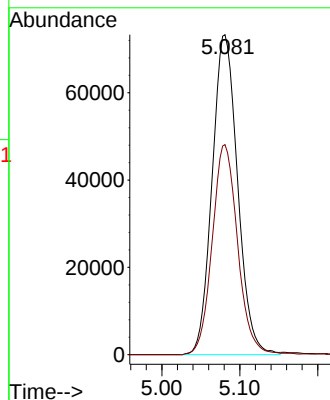
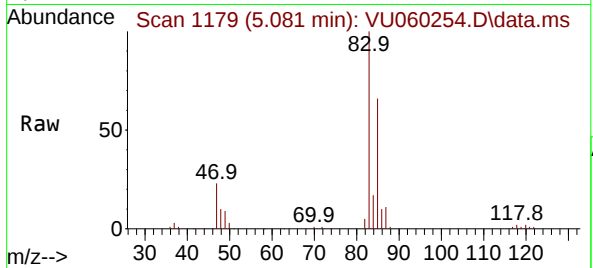




#25  
Chloroform  
Concen: 7.784 ug/L  
RT: 5.081 min Scan# 1179  
Delta R.T. 0.000 min  
Lab File: VU060254.D  
Acq: 29 Jul 2024 16:27

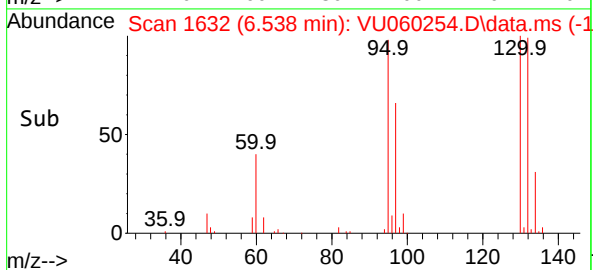
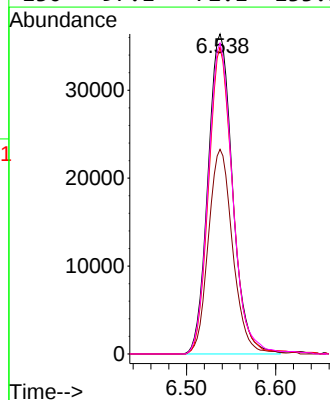
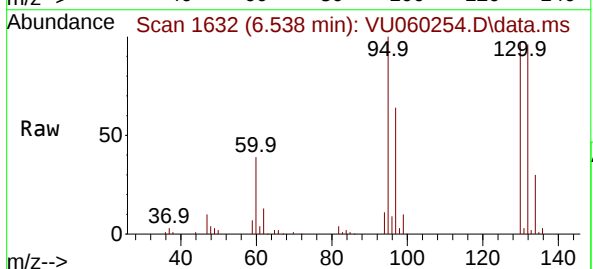
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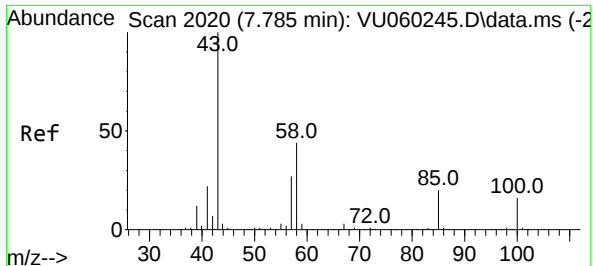
Tgt Ion: 83 Resp: 166443  
Ion Ratio Lower Upper  
83 100  
85 65.7 45.4 84.2



#34  
Trichloroethene  
Concen: 5.803 ug/L  
RT: 6.538 min Scan# 1632  
Delta R.T. 0.000 min  
Lab File: VU060254.D  
Acq: 29 Jul 2024 16:27

Tgt Ion: 95 Resp: 69729  
Ion Ratio Lower Upper  
95 100  
97 64.0 45.9 85.3  
132 95.9 71.4 132.6  
130 97.1 72.1 133.9





#40

4-Methyl-2-pentanone

Concen: 1.378 ug/L

RT: 7.792 min Scan# 2020

Delta R.T. 0.006 min

Lab File: VU060254.D

Acq: 29 Jul 2024 16:27

Instrument :

MSVOA\_U

ClientSampleId :

BHAW8

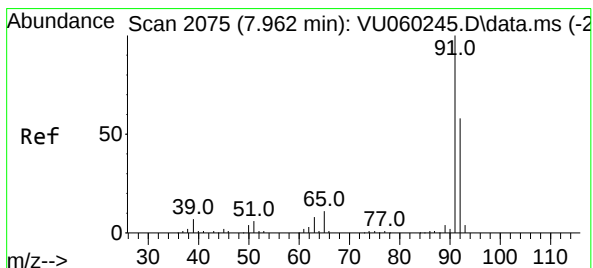
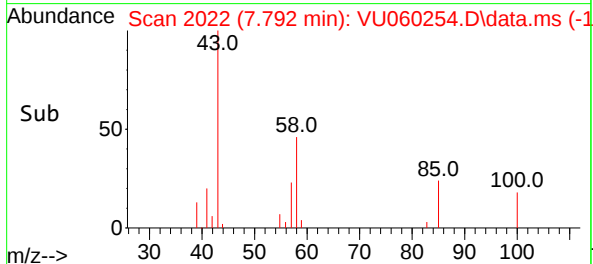
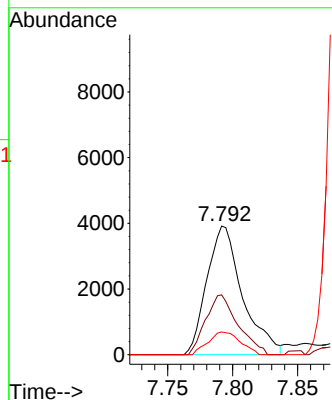
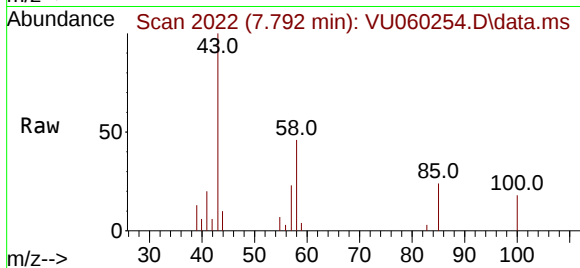
Tgt Ion: 43 Resp: 7461

Ion Ratio Lower Upper

43 100

58 42.1 36.0 54.0

100 0.0 14.9 22.3#



#42

Toluene

Concen: 13.696 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU060254.D

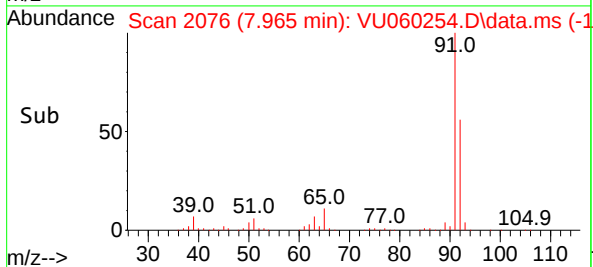
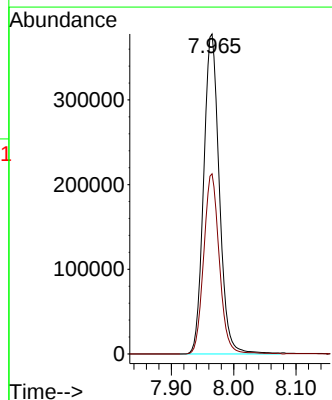
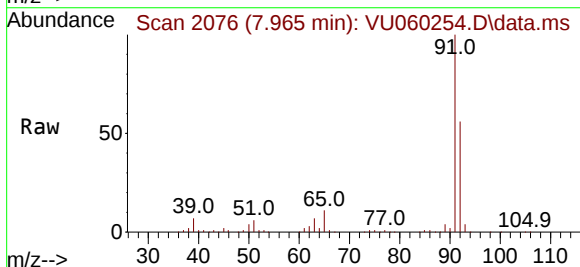
Acq: 29 Jul 2024 16:27

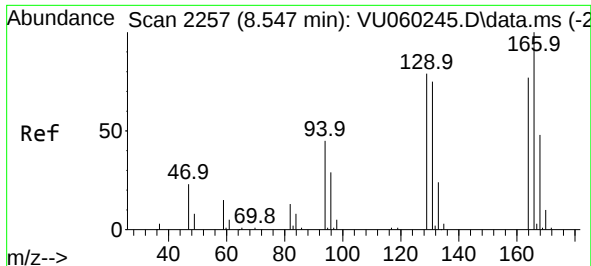
Tgt Ion: 91 Resp: 660273

Ion Ratio Lower Upper

91 100

92 56.3 39.8 73.8





#47

Tetrachloroethene

Concen: 23.866 ug/L

RT: 8.547 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU060254.D

Acq: 29 Jul 2024 16:27

Instrument :

MSVOA\_U

ClientSampleId :

BHAW8

Tgt Ion:164 Resp: 237101

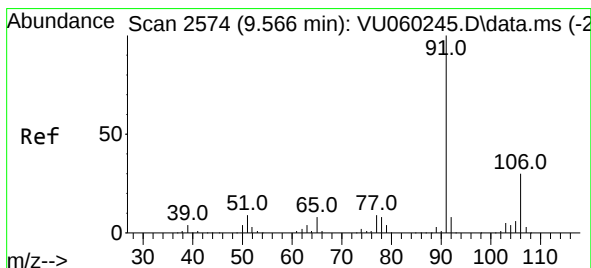
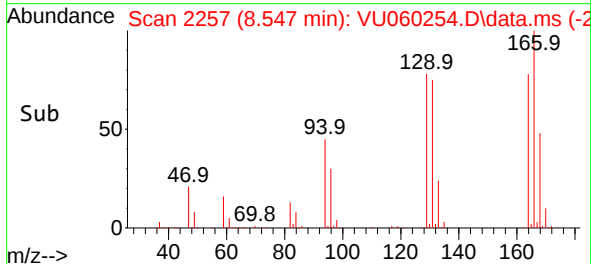
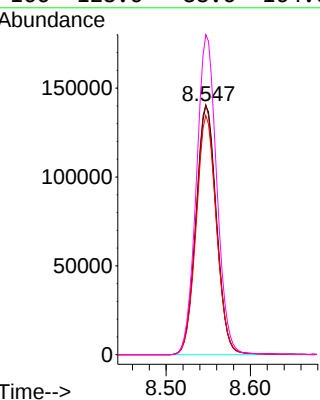
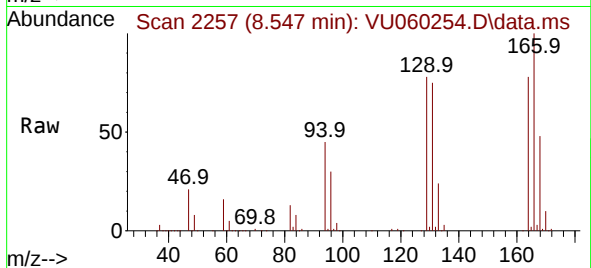
Ion Ratio Lower Upper

164 100

129 100.4 64.6 120.0

131 96.1 61.2 113.8

166 128.6 88.6 164.6



#52

Ethylbenzene

Concen: 0.100 ug/L

RT: 9.570 min Scan# 2575

Delta R.T. 0.003 min

Lab File: VU060254.D

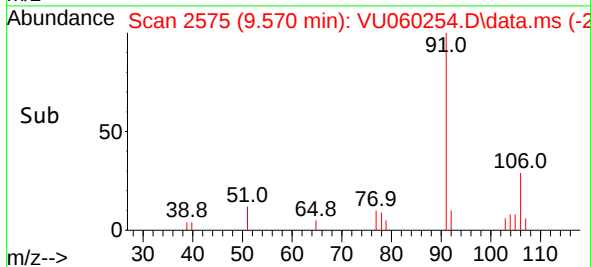
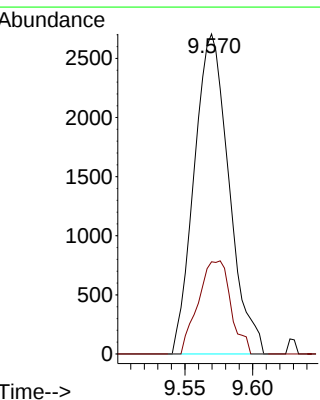
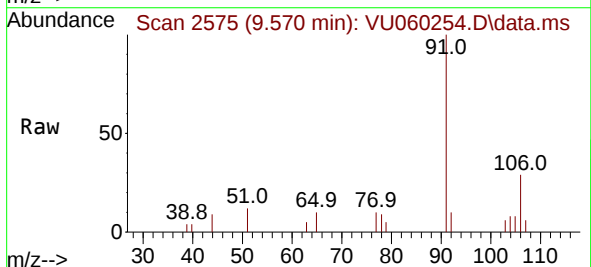
Acq: 29 Jul 2024 16:27

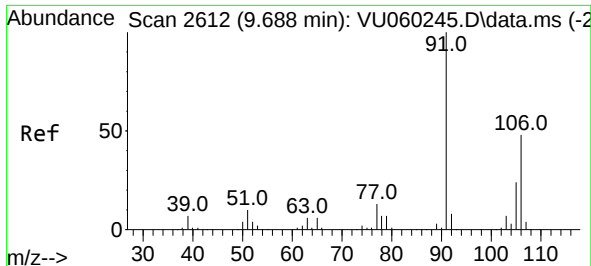
Tgt Ion: 91 Resp: 4821

Ion Ratio Lower Upper

91 100

106 28.8 21.9 40.7

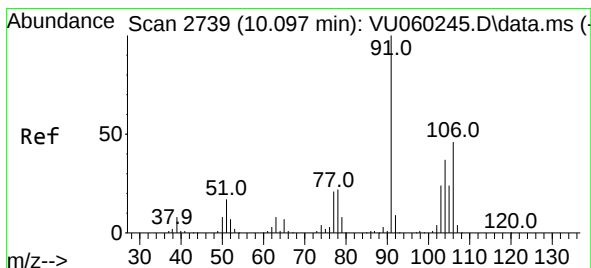
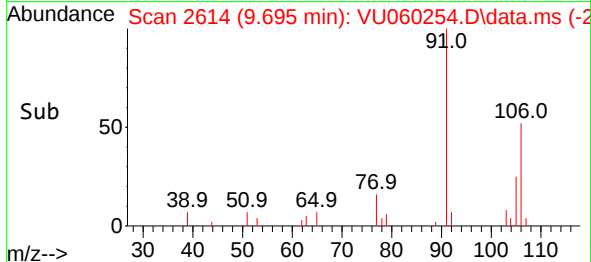
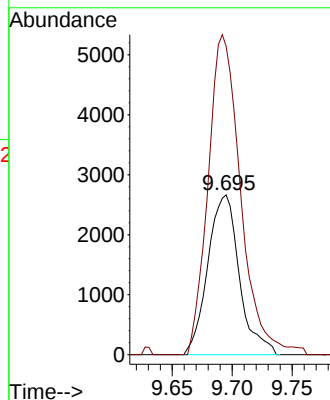
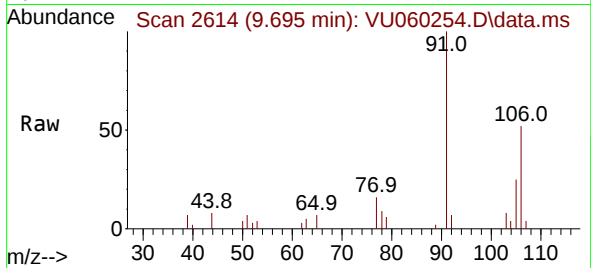




#53  
m,p-Xylene  
Concen: 0.262 ug/L  
RT: 9.695 min Scan# 2614  
Delta R.T. 0.006 min  
Lab File: VU060254.D  
Acq: 29 Jul 2024 16:27

Instrument :  
MSVOA\_U  
ClientSampleId :  
BHAW8

Tgt Ion:106 Resp: 4871  
Ion Ratio Lower Upper  
106 100  
91 192.9 141.3 262.5



#54  
o-Xylene  
Concen: 0.118 ug/L  
RT: 10.103 min Scan# 2741  
Delta R.T. 0.006 min  
Lab File: VU060254.D  
Acq: 29 Jul 2024 16:27

Tgt Ion:106 Resp: 2103  
Ion Ratio Lower Upper  
106 100  
91 208.5 143.6 266.6

