

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011724\  
 Data File : VU057551.D  
 Acq On : 17 Jan 2024 19:53  
 Operator : MD/SY  
 Sample : P1120-16  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BGWJ2

Quant Time: Jan 18 01:12:34 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR011124WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Jan 18 01:10:22 2024  
 Response via : Initial Calibration

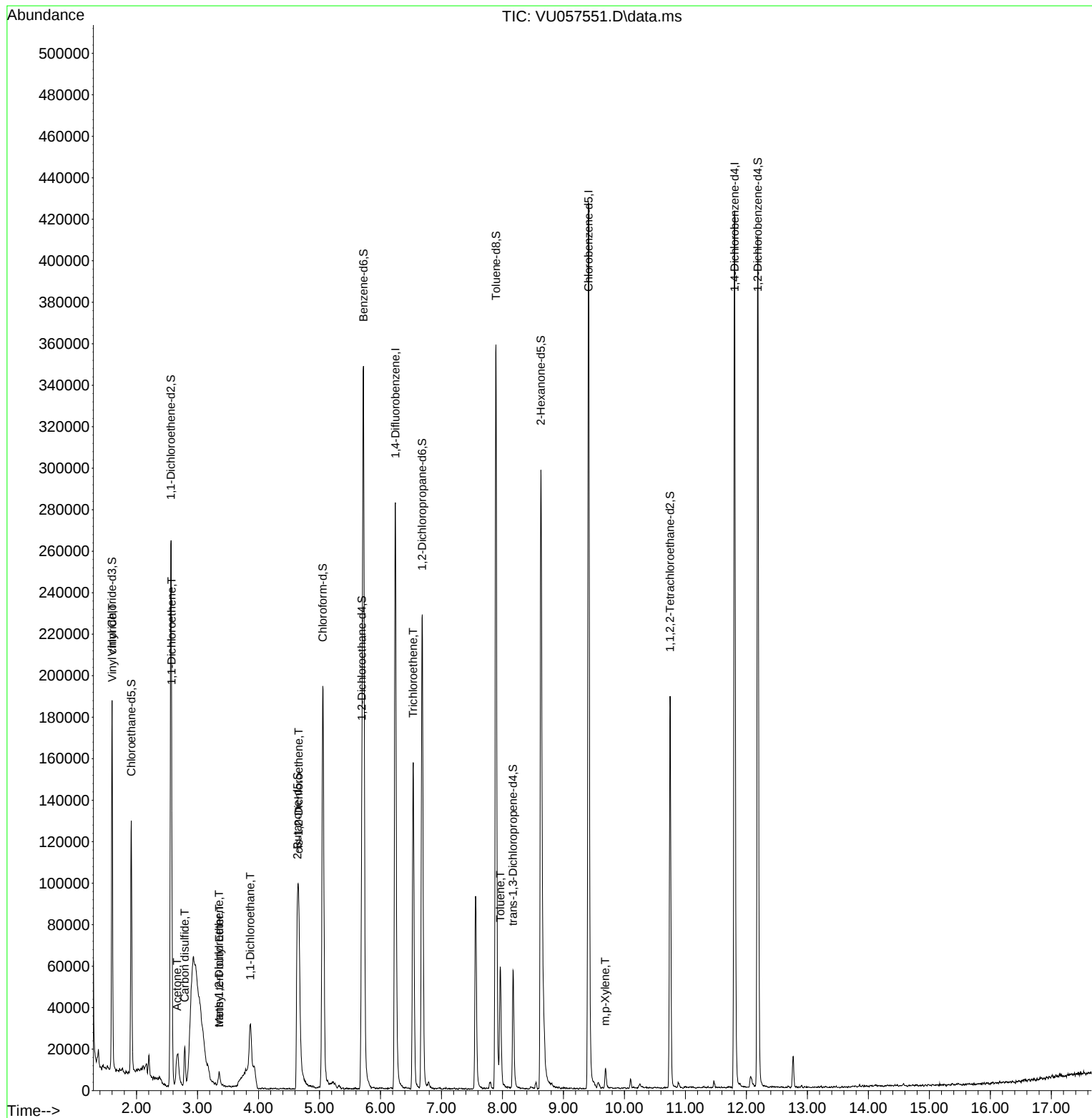
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114   | 216691   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 227756   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 106909   | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.599  | 65    | 108810   | 4.949    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 99.000%  |
| 7) Chloroethane-d5            | 1.914  | 69    | 90366    | 5.283    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 105.600% |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65    | 48031    | 5.166    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 103.400% |
| 20) 2-Butanone-d5             | 4.637  | 46    | 147534   | 35.477   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 70.960%  |
| 24) Chloroform-d              | 5.055  | 84    | 179082   | 4.715    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 94.200%  |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 88326    | 4.828    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 96.600%  |
| 32) Benzene-d6                | 5.721  | 84    | 309413   | 3.725    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 74.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.685  | 67    | 106439   | 4.110    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 82.200%  |
| 41) Toluene-d8                | 7.894  | 98    | 236676   | 3.375    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 67.600%# |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 32654    | 3.627    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 72.600%  |
| 46) 2-Hexanone-d5             | 8.631  | 63    | 92377    | 28.335   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 56.680%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.750 | 84    | 95452    | 5.456    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 109.200% |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 102909   | 4.793    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 95.800%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 5) Vinyl chloride             | 1.602  | 62    | 22922    | 1.402    | ug/L # | 80       |
| 12) 1,1-Dichloroethene        | 2.576  | 96    | 14156    | 1.118    | ug/L # | 1        |
| 13) Acetone                   | 2.666  | 43    | 29686    | 11.875   | ug/L   | 91       |
| 14) Carbon disulfide          | 2.792  | 76    | 25577    | 0.723    | ug/L   | 99       |
| 17) Methyl tert-butyl Ether   | 3.358  | 73    | 3903     | 0.124    | ug/L # | 86       |
| 18) trans-1,2-Dichloroethene  | 3.354  | 96    | 1347     | 0.107    | ug/L # | 63       |
| 19) 1,1-Dichloroethane        | 3.866  | 63    | 23669    | 0.835    | ug/L   | 100      |
| 22) cis-1,2-Dichloroethene    | 4.660  | 96    | 22196    | 1.517    | ug/L   | 94       |
| 34) Trichloroethene           | 6.537  | 95    | 54961    | 3.127    | ug/L   | 94       |
| 42) Toluene                   | 7.965  | 91    | 42419    | 0.643    | ug/L   | 95       |
| 53) m,p-Xylene                | 9.685  | 106   | 2598     | 0.106    | ug/L   | 94       |
| -----                         |        |       |          |          |        |          |

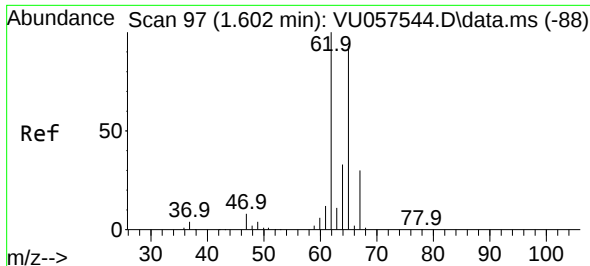
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011724\  
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Operator : MD/SY  
Sample : P1120-16  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BGWJ2

Quant Time: Jan 18 01:12:34 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR011124WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Jan 18 01:10:22 2024  
Response via : Initial Calibration

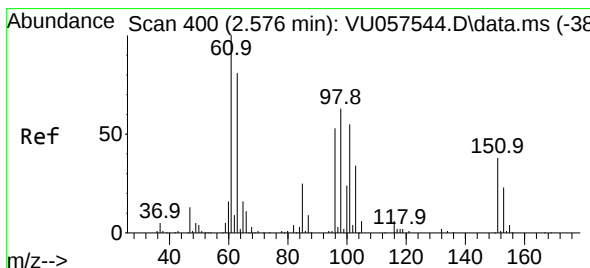
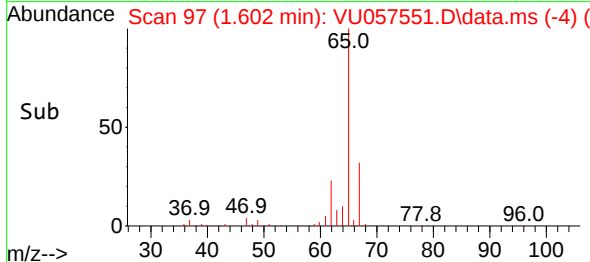
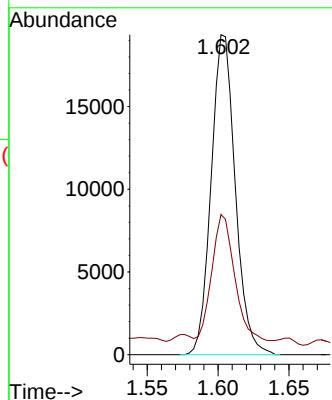
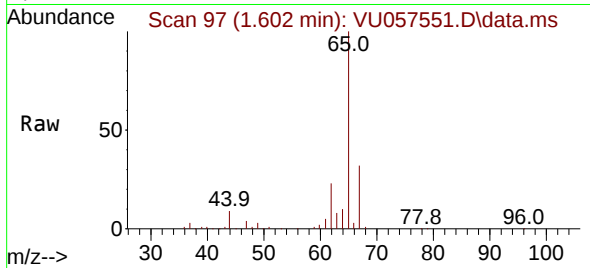




#5  
 Vinyl chloride  
 Concen: 1.402 ug/L  
 RT: 1.602 min Scan# 91  
 Delta R.T. 0.000 min  
 Lab File: VU057551.D  
 Acq: 17 Jan 2024 19:53

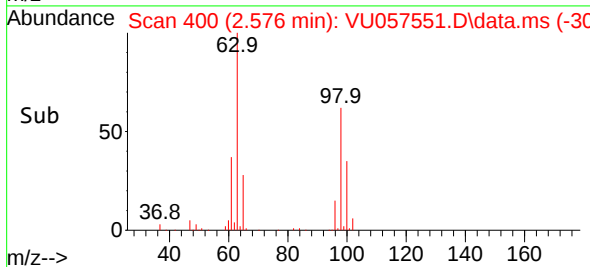
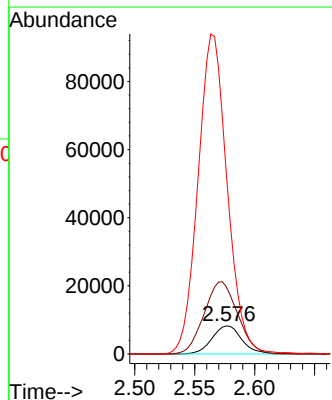
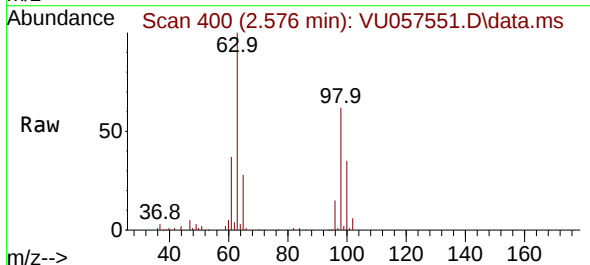
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BGWJ2

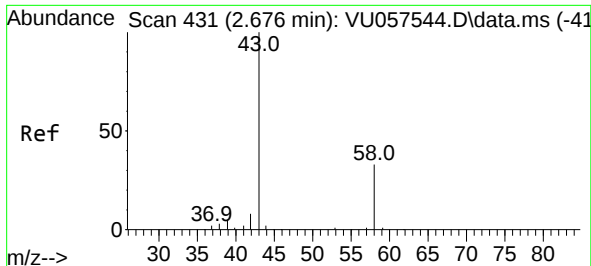
Tgt Ion: 62 Resp: 22922  
 Ion Ratio Lower Upper  
 62 100  
 64 43.8 22.9 42.5#



#12  
 1,1-Dichloroethene  
 Concen: 1.118 ug/L  
 RT: 2.576 min Scan# 400  
 Delta R.T. 0.000 min  
 Lab File: VU057551.D  
 Acq: 17 Jan 2024 19:53

Tgt Ion: 96 Resp: 14156  
 Ion Ratio Lower Upper  
 96 100  
 61 240.5 130.9 243.1  
 63 651.7 114.8 213.2#





#13

Acetone

Concen: 11.875 ug/L

RT: 2.666 min Scan# 41

Delta R.T. -0.010 min

Lab File: VU057551.D

Acq: 17 Jan 2024 19:53

Instrument :

MSVOA\_U

ClientSampleId :

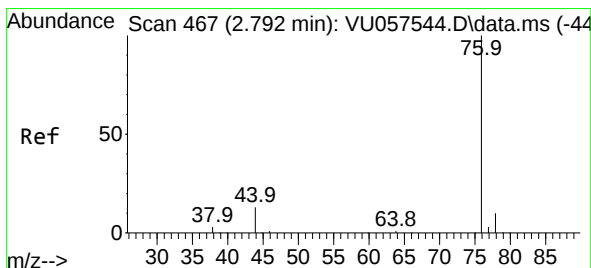
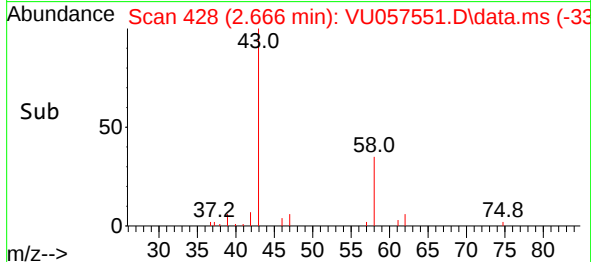
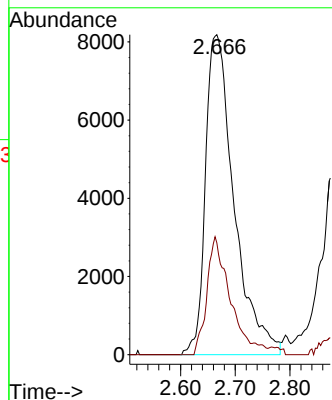
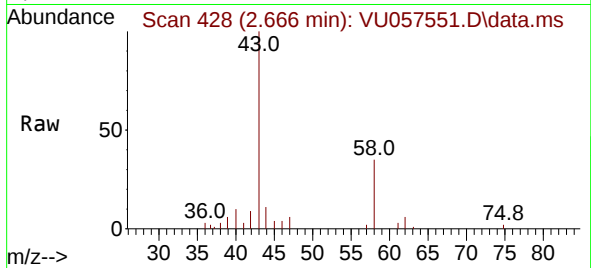
BGWJ2

Tgt Ion: 43 Resp: 29686

Ion Ratio Lower Upper

43 100

58 28.8 0.0 67.8



#14

Carbon disulfide

Concen: 0.723 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.000 min

Lab File: VU057551.D

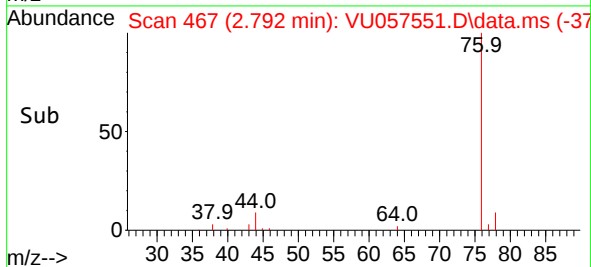
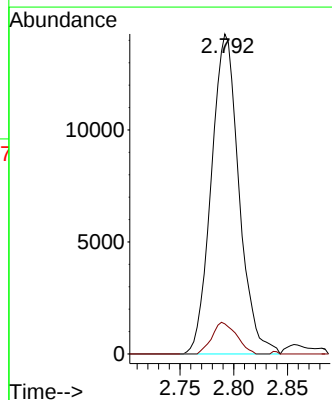
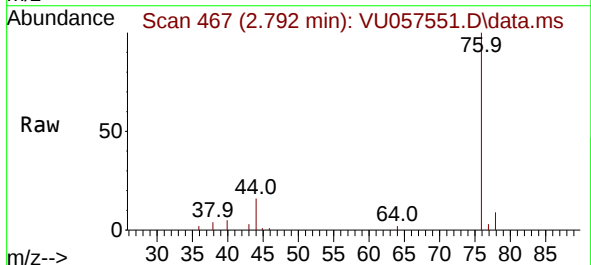
Acq: 17 Jan 2024 19:53

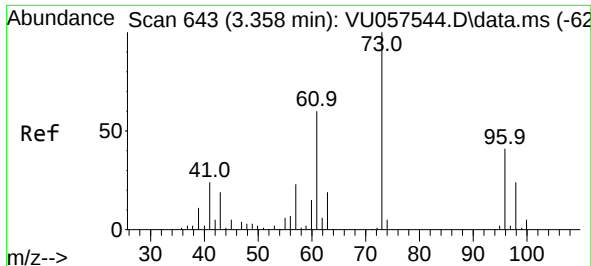
Tgt Ion: 76 Resp: 25577

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9

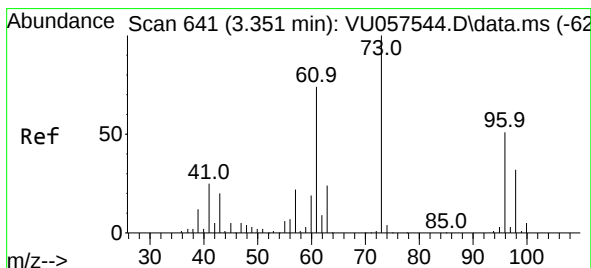
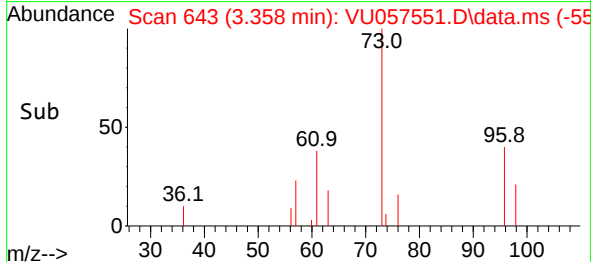
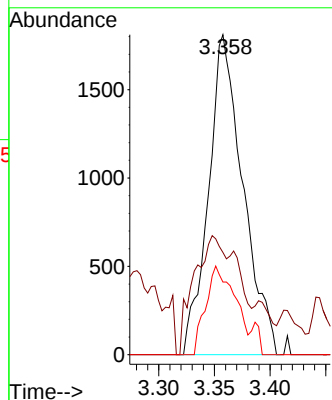
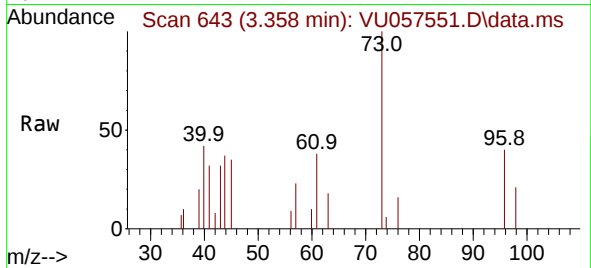




#17  
Methyl tert-butyl Ether  
Concen: 0.124 ug/L  
RT: 3.358 min Scan# 643  
Delta R.T. 0.000 min  
Lab File: VU057551.D  
Acq: 17 Jan 2024 19:53

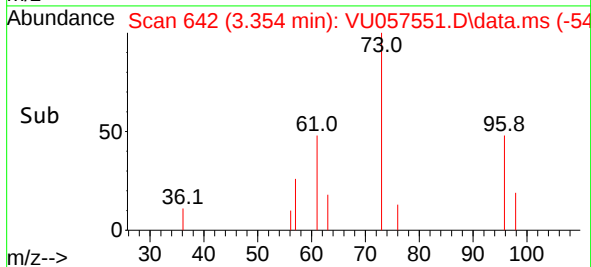
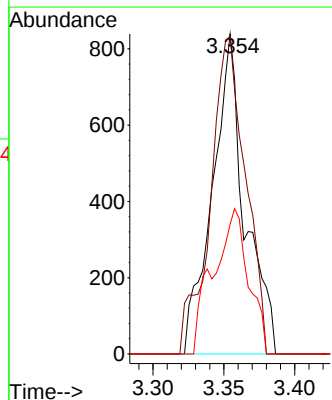
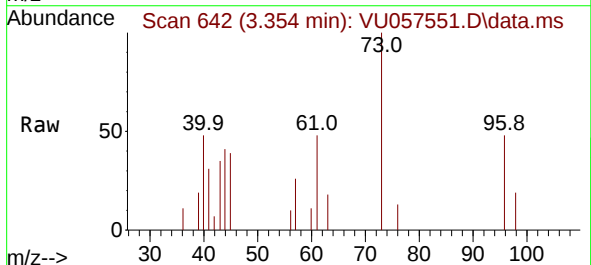
Instrument :  
MSVOA\_U  
ClientSampleId :  
BGWJ2

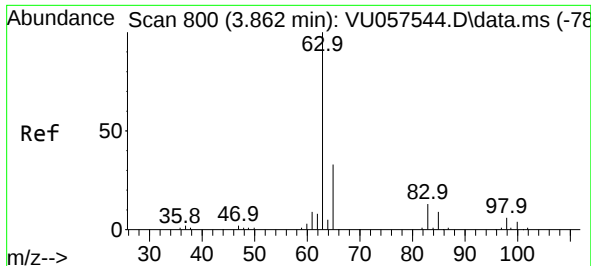
Tgt Ion: 73 Resp: 3903  
Ion Ratio Lower Upper  
73 100  
43 32.9 16.1 24.1#  
57 23.6 18.2 27.4



#18  
trans-1,2-Dichloroethene  
Concen: 0.107 ug/L  
RT: 3.354 min Scan# 642  
Delta R.T. 0.003 min  
Lab File: VU057551.D  
Acq: 17 Jan 2024 19:53

Tgt Ion: 96 Resp: 1347  
Ion Ratio Lower Upper  
96 100  
61 99.4 105.1 195.3#  
98 40.5 43.7 81.1#





#19

1,1-Dichloroethane

Concen: 0.835 ug/L

RT: 3.866 min Scan# 80

Delta R.T. 0.003 min

Lab File: VU057551.D

Acq: 17 Jan 2024 19:53

Instrument :

MSVOA\_U

ClientSampleId :

BGWJ2

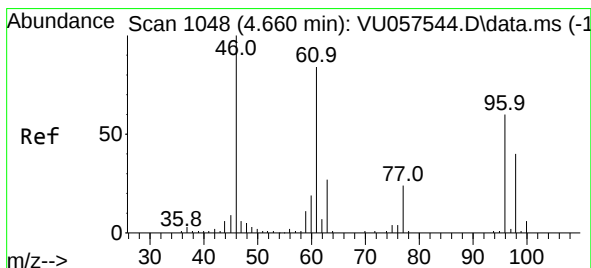
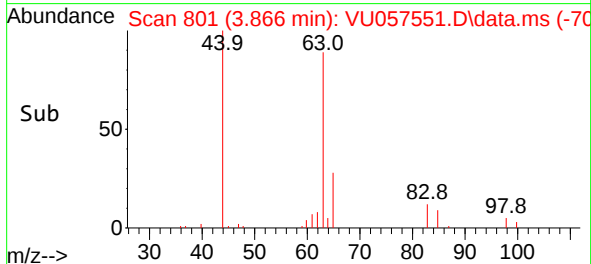
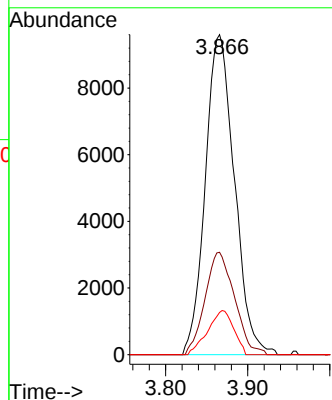
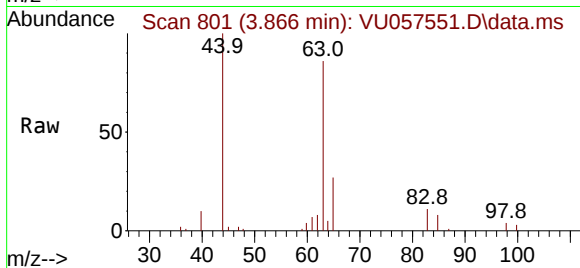
Tgt Ion: 63 Resp: 23669

Ion Ratio Lower Upper

63 100

65 32.0 22.3 41.3

83 13.2 9.1 16.9



#22

cis-1,2-Dichloroethene

Concen: 1.517 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. 0.000 min

Lab File: VU057551.D

Acq: 17 Jan 2024 19:53

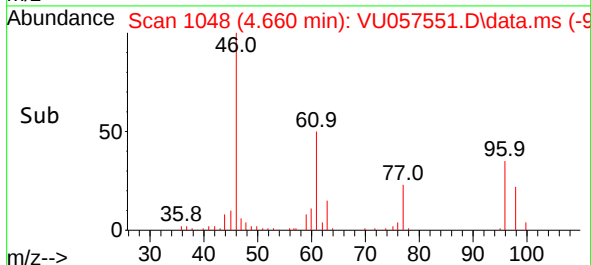
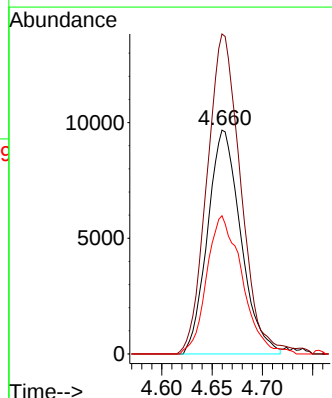
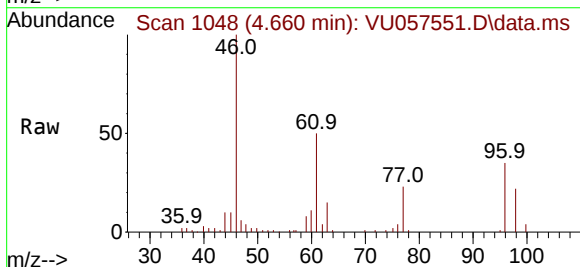
Tgt Ion: 96 Resp: 22196

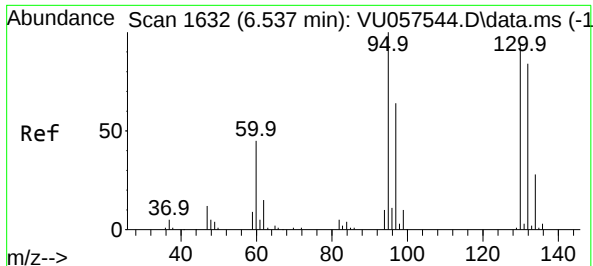
Ion Ratio Lower Upper

96 100

61 143.0 93.4 173.4

98 61.8 44.9 83.3



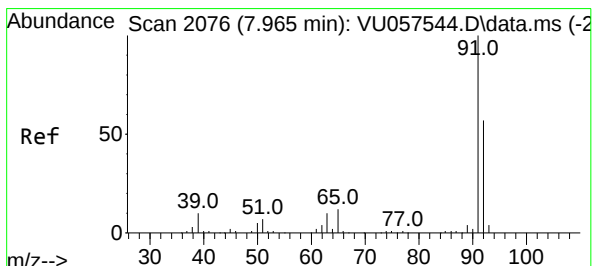
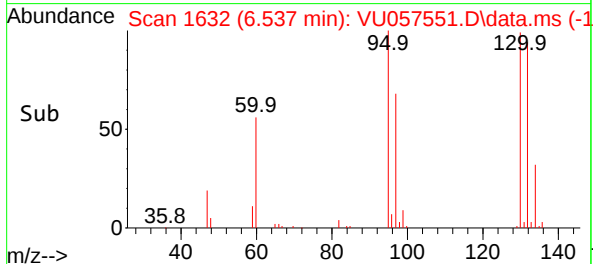
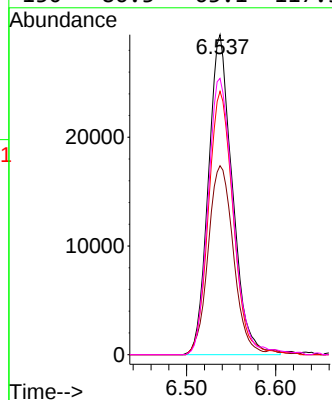
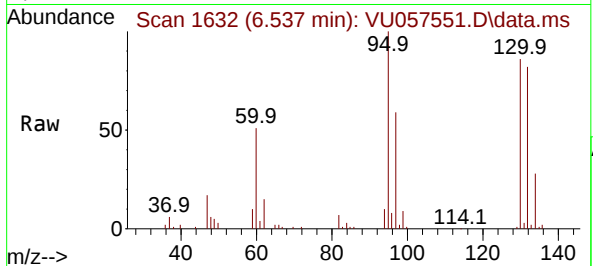


#34  
Trichloroethene  
Concen: 3.127 ug/L  
RT: 6.537 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VU057551.D  
Acq: 17 Jan 2024 19:53

Instrument :  
MSVOA\_U  
ClientSampleId :  
BGWJ2

Tgt Ion: 95 Resp: 54961

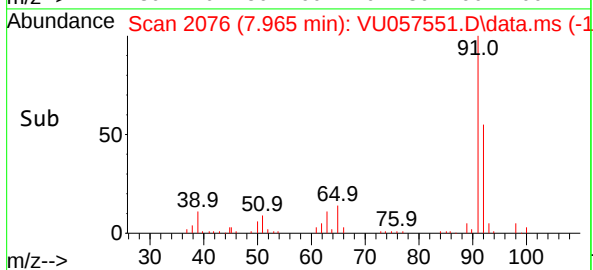
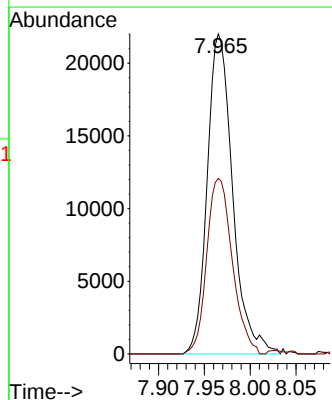
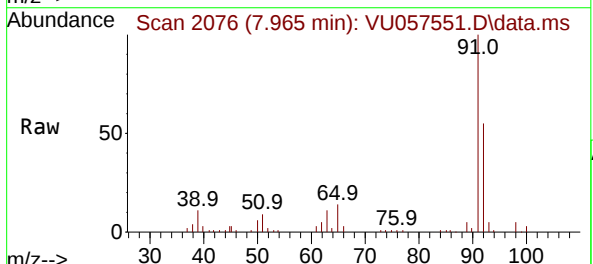
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 59.0  | 45.0  | 83.6  |
| 132 | 82.3  | 61.7  | 114.5 |
| 130 | 86.3  | 63.1  | 117.3 |

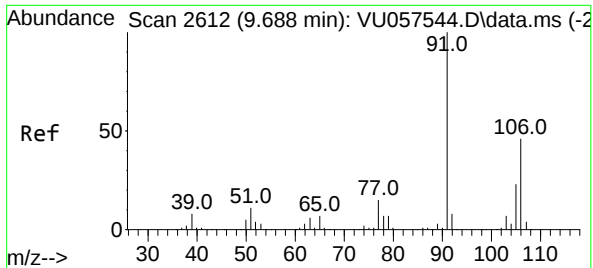


#42  
Toluene  
Concen: 0.643 ug/L  
RT: 7.965 min Scan# 2076  
Delta R.T. 0.000 min  
Lab File: VU057551.D  
Acq: 17 Jan 2024 19:53

Tgt Ion: 91 Resp: 42419

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 92  | 54.9  | 41.2  | 76.4  |





#53  
 m,p-Xylene  
 Concen: 0.106 ug/L  
 RT: 9.685 min Scan# 20  
 Delta R.T. -0.003 min  
 Lab File: VU057551.D  
 Acq: 17 Jan 2024 19:53

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BGWJ2

Tgt Ion:106 Resp: 2598  
 Ion Ratio Lower Upper  
 106 100  
 91 209.5 153.4 285.0

