

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011323\  
 Data File : VU052682.D  
 Acq On : 13 Jan 2023 16:14  
 Operator : JC/MD  
 Sample : 01139-06  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BH1Y9

Quant Time: Jan 13 22:27:07 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR011023WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Jan 11 00:53:59 2023  
 Response via : Initial Calibration

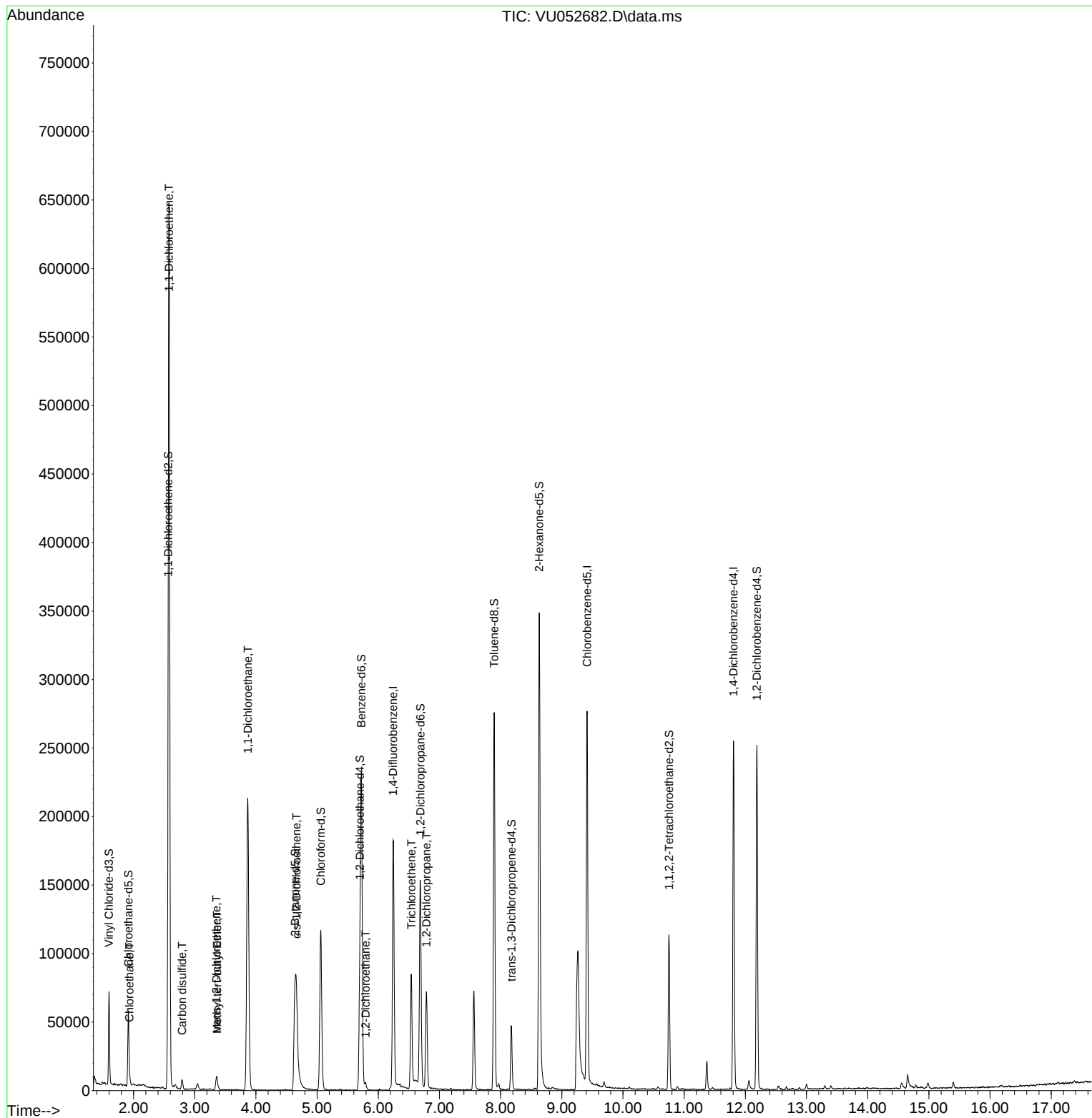
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.244  | 114   | 141995   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.414  | 117   | 147701   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.806 | 152   | 67904    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.598  | 65    | 48698    | 3.904    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 78.000%  |
| 7) Chloroethane-d5            | 1.916  | 69    | 42386    | 4.171    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 83.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.565  | 65    | 23839    | 4.339    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 86.800%  |
| 20) 2-Butanone-d5             | 4.639  | 46    | 159532   | 47.828   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 95.660%  |
| 24) Chloroform-d              | 5.060  | 84    | 109639   | 4.712    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 94.200%  |
| 26) 1,2-Dichloroethane-d4     | 5.700  | 65    | 58877    | 4.927    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 98.600%  |
| 32) Benzene-d6                | 5.723  | 84    | 215159   | 4.494    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 89.800%  |
| 36) 1,2-Dichloropropane-d6    | 6.687  | 67    | 73034    | 4.578    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 91.600%  |
| 41) Toluene-d8                | 7.893  | 98    | 180389   | 4.274    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 85.400%  |
| 43) trans-1,3-Dichloroprop... | 8.176  | 79    | 26177    | 4.412    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 88.200%  |
| 46) 2-Hexanone-d5             | 8.629  | 63    | 121519   | 49.309   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 98.620%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.752 | 84    | 56547    | 4.630    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 92.600%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.189 | 152   | 64258    | 5.198    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 104.000% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        |          |
| 8) Chloroethane               | 1.932  | 64    | 2038     | 0.189    | ug/L   | 91       |
| 12) 1,1-Dichloroethene        | 2.581  | 96    | 199287   | 16.188   | ug/L # | 77       |
| 14) Carbon disulfide          | 2.794  | 76    | 10040    | 0.236    | ug/L   | 99       |
| 17) Methyl tert-butyl Ether   | 3.366  | 73    | 6354     | 0.233    | ug/L   | 97       |
| 18) trans-1,2-Dichloroethene  | 3.353  | 96    | 2015     | 0.160    | ug/L   | 94       |
| 19) 1,1-Dichloroethane        | 3.868  | 63    | 252343   | 9.679    | ug/L   | 100      |
| 22) cis-1,2-Dichloroethene    | 4.662  | 96    | 14728    | 1.092    | ug/L   | 96       |
| 27) 1,2-Dichloroethane        | 5.794  | 62    | 3843     | 0.247    | ug/L   | 99       |
| 34) Trichloroethene           | 6.539  | 95    | 28075    | 2.030    | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 6.787  | 63    | 27326    | 1.742    | ug/L # | 97       |
| -----                         |        |       |          |          |        |          |

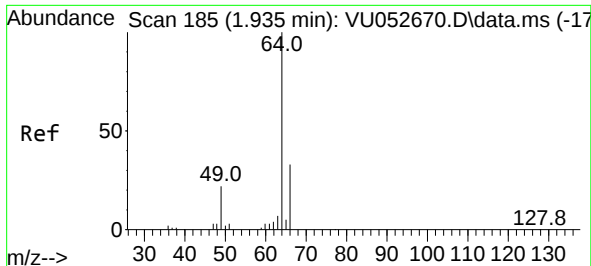
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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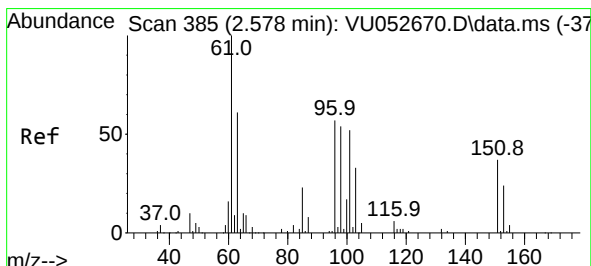
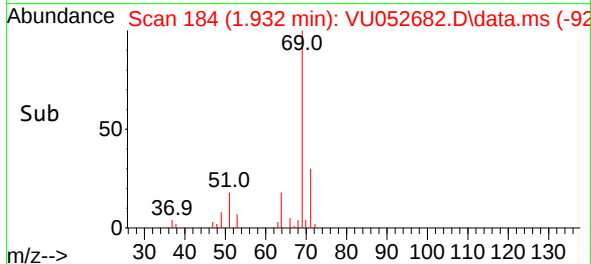
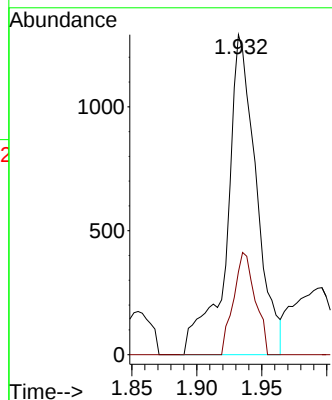
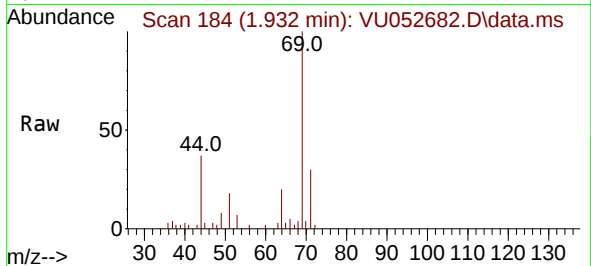




#8  
Chloroethane  
Concen: 0.189 ug/L  
RT: 1.932 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VU052682.D  
Acq: 13 Jan 2023 16:14

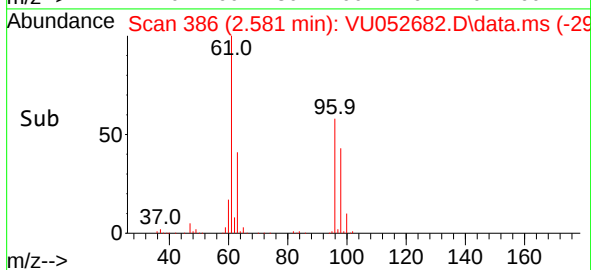
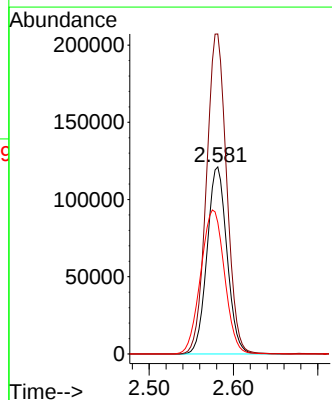
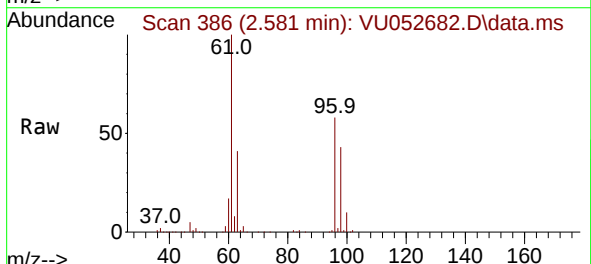
Instrument :  
MSVOA\_U  
ClientSampleId :  
BH1Y9

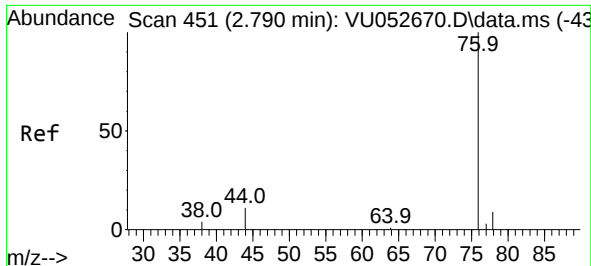
Tgt Ion: 64 Resp: 2038  
Ion Ratio Lower Upper  
64 100  
66 25.9 21.6 40.2



#12  
1,1-Dichloroethene  
Concen: 16.188 ug/L  
RT: 2.581 min Scan# 386  
Delta R.T. 0.000 min  
Lab File: VU052682.D  
Acq: 13 Jan 2023 16:14

Tgt Ion: 96 Resp: 199287  
Ion Ratio Lower Upper  
96 100  
61 171.0 129.6 240.8  
63 70.3 83.7 155.5#





#14

Carbon disulfide

Concen: 0.236 ug/L

RT: 2.794 min Scan# 4

Delta R.T. 0.000 min

Lab File: VU052682.D

Acq: 13 Jan 2023 16:14

Instrument :

MSVOA\_U

ClientSampleId :

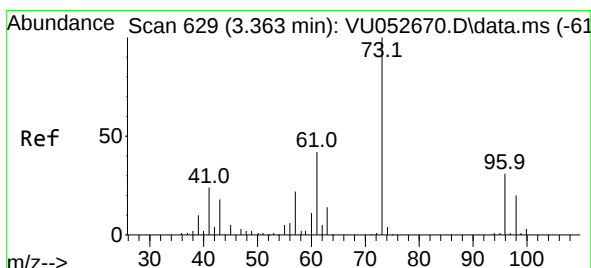
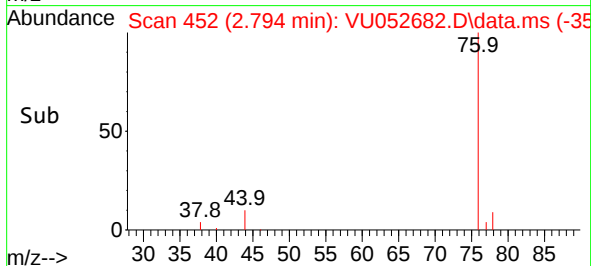
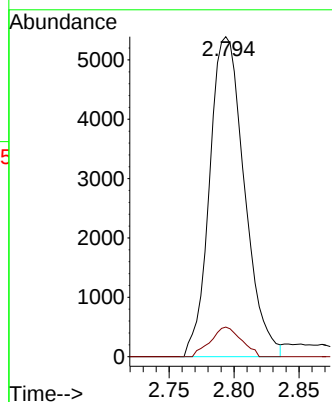
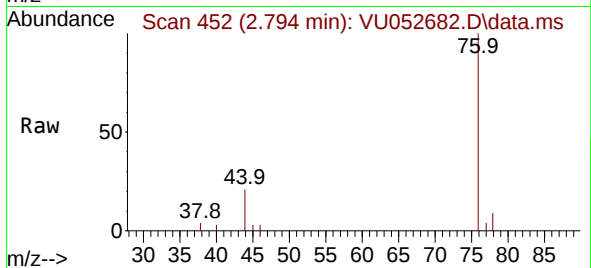
BH1Y9

Tgt Ion: 76 Resp: 10040

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.6



#17

Methyl tert-butyl Ether

Concen: 0.233 ug/L

RT: 3.366 min Scan# 630

Delta R.T. 0.007 min

Lab File: VU052682.D

Acq: 13 Jan 2023 16:14

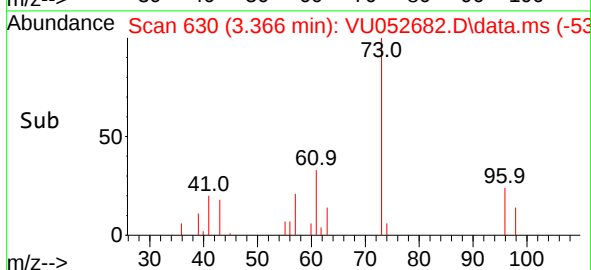
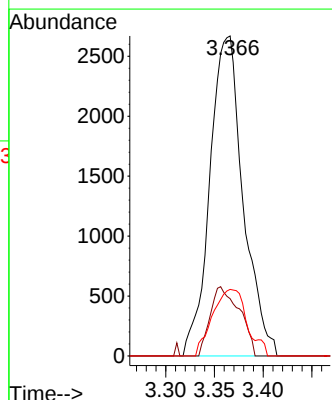
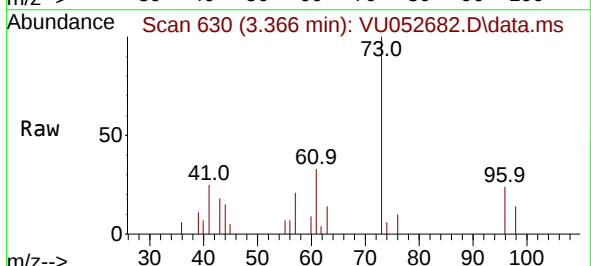
Tgt Ion: 73 Resp: 6354

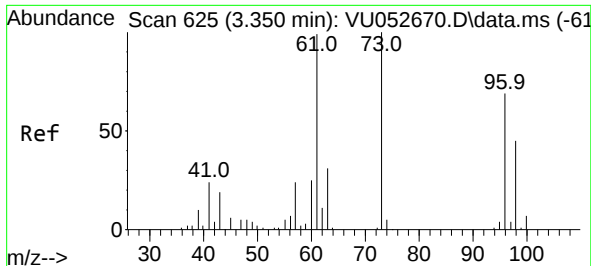
Ion Ratio Lower Upper

73 100

43 19.0 15.8 23.8

57 21.5 18.6 28.0

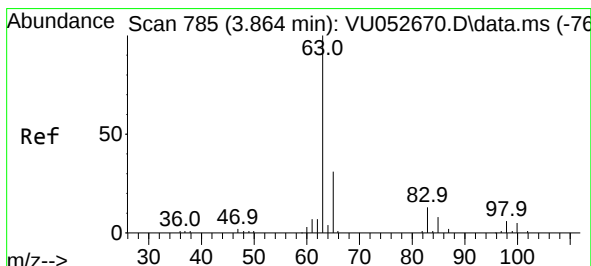
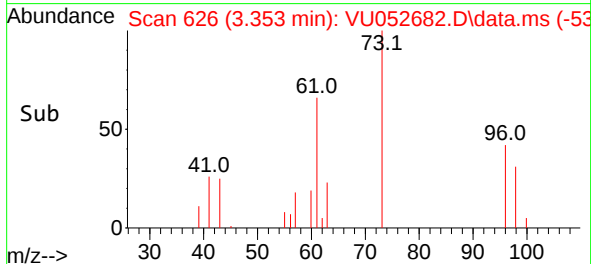
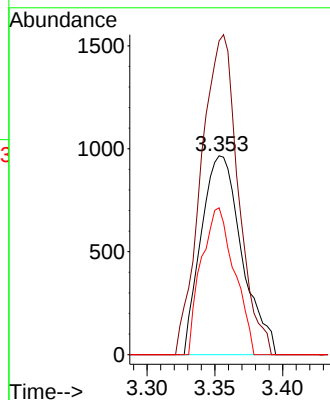
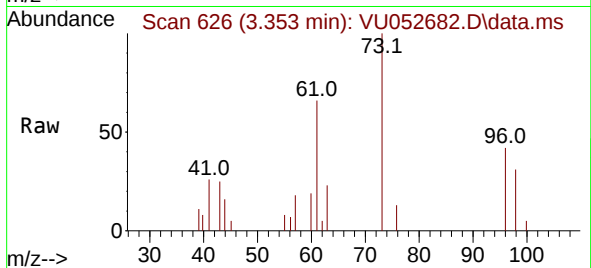




#18  
trans-1,2-Dichloroethene  
Concen: 0.160 ug/L  
RT: 3.353 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VU052682.D  
Acq: 13 Jan 2023 16:14

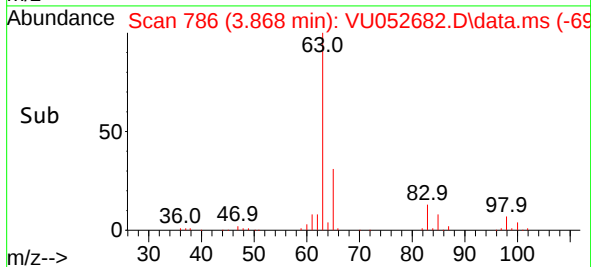
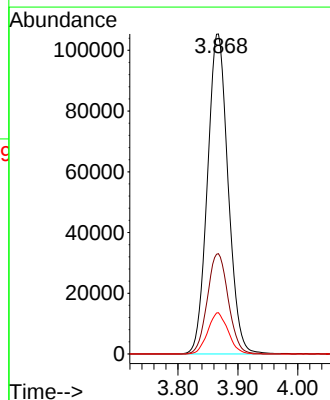
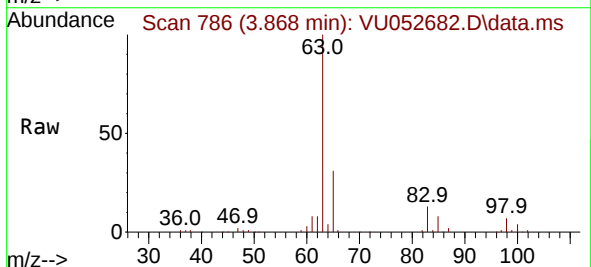
Instrument :  
MSVOA\_U  
ClientSampleId :  
BH1Y9

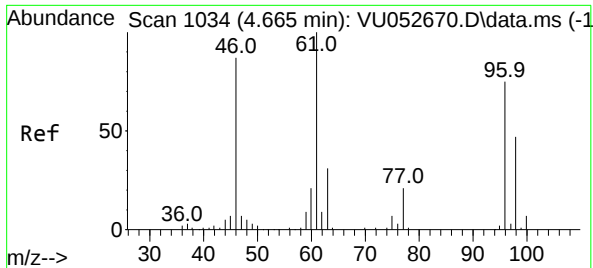
Tgt Ion: 96 Resp: 2015  
Ion Ratio Lower Upper  
96 100  
61 157.8 108.4 201.4  
98 73.8 43.8 81.4



#19  
1,1-Dichloroethane  
Concen: 9.679 ug/L  
RT: 3.868 min Scan# 786  
Delta R.T. 0.003 min  
Lab File: VU052682.D  
Acq: 13 Jan 2023 16:14

Tgt Ion: 63 Resp: 252343  
Ion Ratio Lower Upper  
63 100  
65 31.3 22.0 41.0  
83 12.9 8.9 16.5

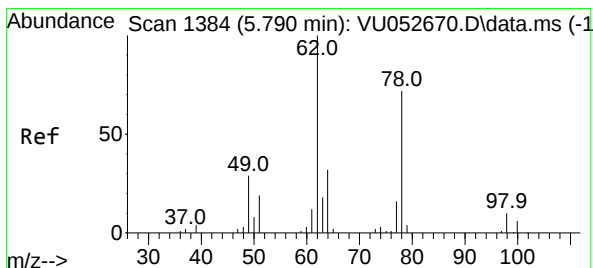
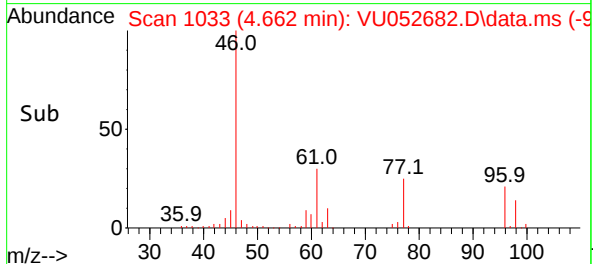
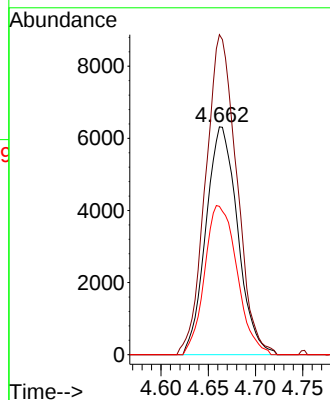
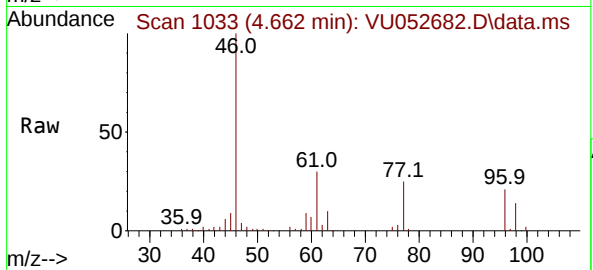




#22  
 cis-1,2-Dichloroethene  
 Concen: 1.092 ug/L  
 RT: 4.662 min Scan# 1034  
 Delta R.T. 0.000 min  
 Lab File: VU052682.D  
 Acq: 13 Jan 2023 16:14

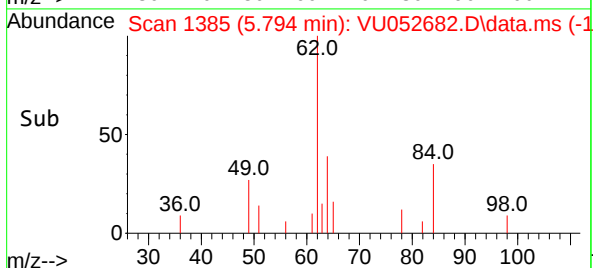
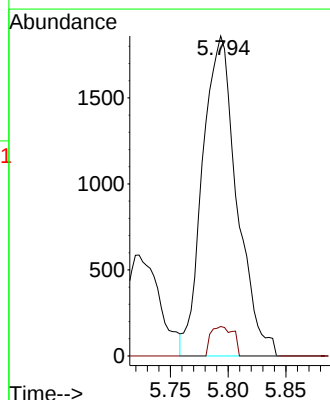
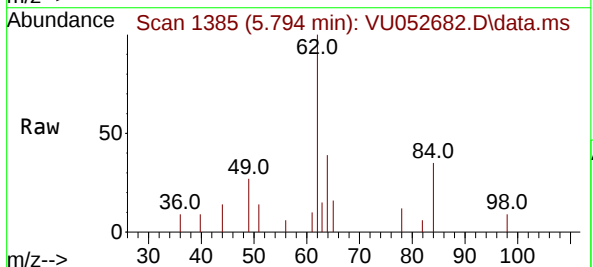
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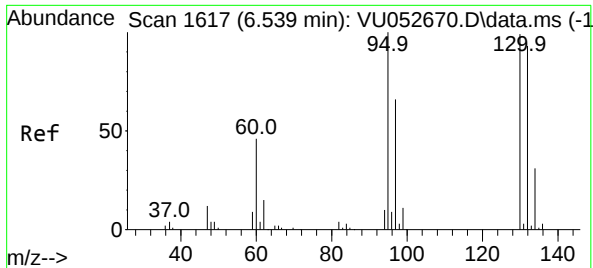
Tgt Ion: 96 Resp: 14728  
 Ion Ratio Lower Upper  
 96 100  
 61 140.5 94.6 175.8  
 98 65.1 43.3 80.3



#27  
 1,2-Dichloroethane  
 Concen: 0.247 ug/L  
 RT: 5.794 min Scan# 1385  
 Delta R.T. 0.003 min  
 Lab File: VU052682.D  
 Acq: 13 Jan 2023 16:14

Tgt Ion: 62 Resp: 3843  
 Ion Ratio Lower Upper  
 62 100  
 98 9.2 7.5 11.3



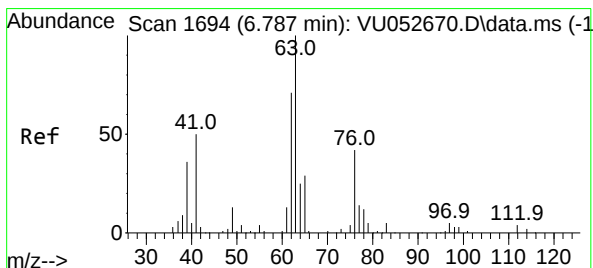
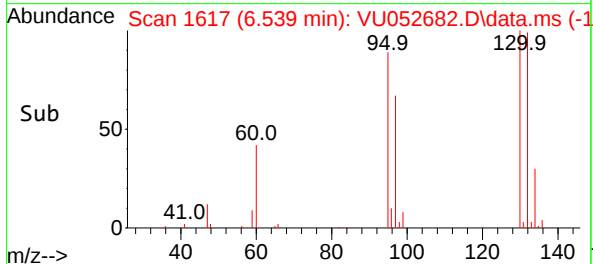
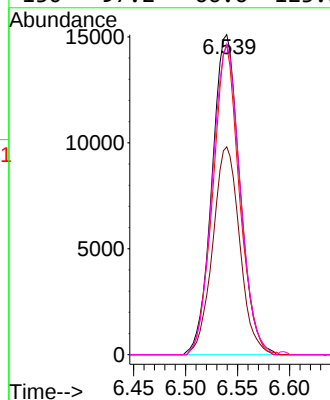
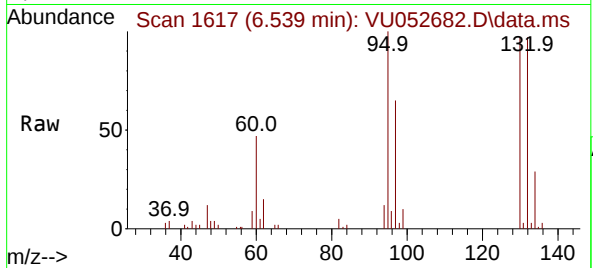


#34  
Trichloroethene  
Concen: 2.030 ug/L  
RT: 6.539 min Scan# 1617  
Delta R.T. 0.000 min  
Lab File: VU052682.D  
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ClientSampleId :  
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Tgt Ion: 95 Resp: 28075

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 65.0  | 46.0  | 85.4  |
| 132 | 96.6  | 64.0  | 118.8 |
| 130 | 97.2  | 66.6  | 123.8 |



#37  
1,2-Dichloropropane  
Concen: 1.742 ug/L  
RT: 6.787 min Scan# 1694  
Delta R.T. 0.000 min  
Lab File: VU052682.D  
Acq: 13 Jan 2023 16:14

Tgt Ion: 63 Resp: 27326

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 112 | 4.7   | 2.9   | 4.3#  |

