

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU081122\  
 Data File : VU050234.D  
 Acq On : 11 Aug 2022 16:43  
 Operator : SY/MD  
 Sample : N4160-08  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Aug 12 01:33:40 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR080422WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Aug 12 01:30:48 2022  
 Response via : Initial Calibration

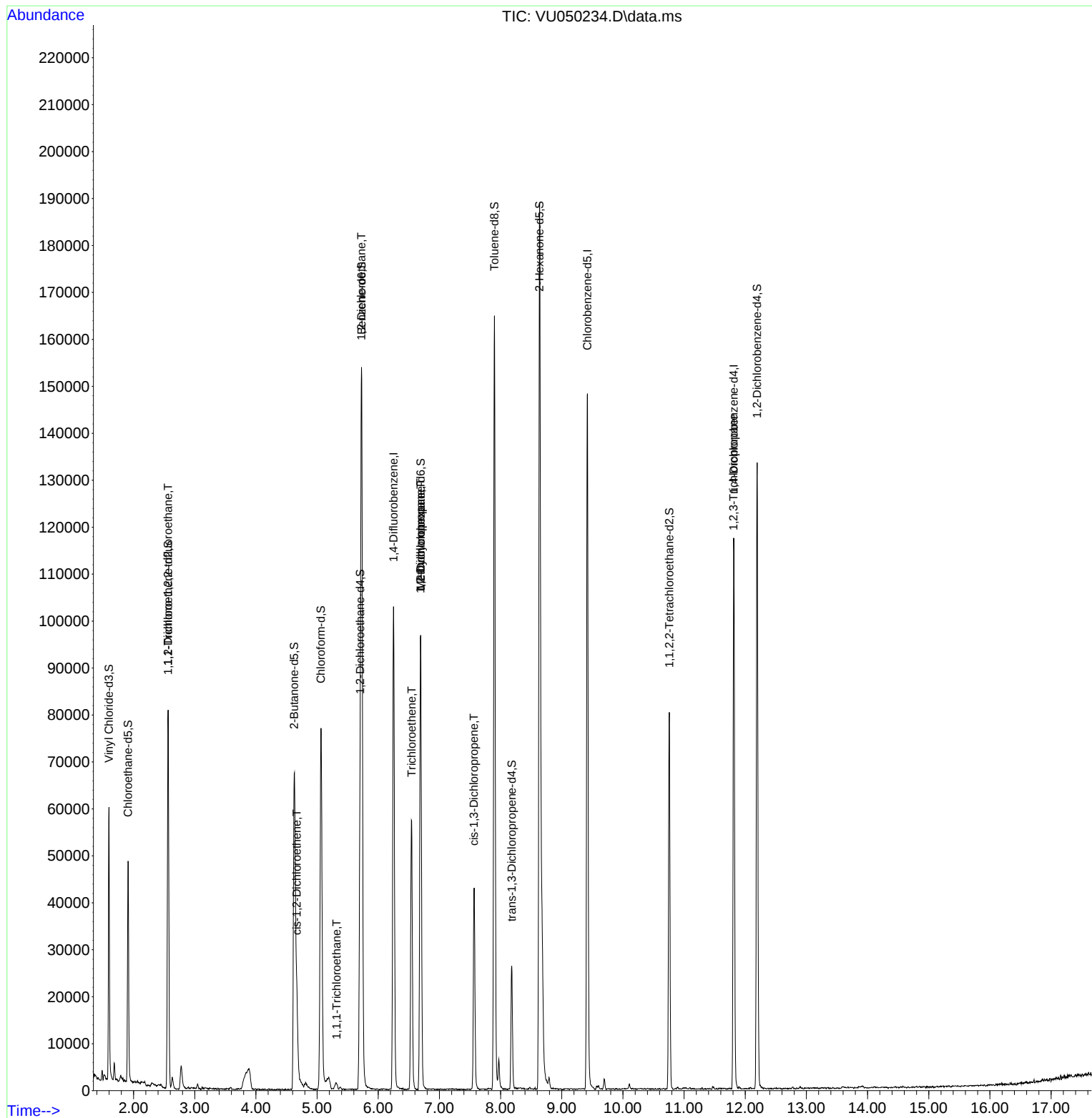
| Compound                      | R.T. QIon |                | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|-----------|----------------|----------|------------|--------|----------|
| -----                         |           |                |          |            |        |          |
| Internal Standards            |           |                |          |            |        |          |
| 1) 1,4-Difluorobenzene        | 6.250     | 114            | 85643    | 5.000      | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417     | 117            | 85488    | 5.000      | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812    | 152            | 32058    | 5.000      | ug/L   | 0.00     |
|                               |           |                |          |            |        |          |
| System Monitoring Compounds   |           |                |          |            |        |          |
| 4) Vinyl Chloride-d3          | 1.597     | 65             | 42717    | 5.994      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 40 - 130 | Recovery | = 119.800% |        |          |
| 7) Chloroethane-d5            | 1.909     | 69             | 34422    | 5.986      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 65 - 130 | Recovery | = 119.800% |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.565     | 65             | 15294    | 5.490      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 60 - 125 | Recovery | = 109.800% |        |          |
| 20) 2-Butanone-d5             | 4.626     | 46             | 103506   | 59.553     | ug/L   | -0.02    |
| Spiked Amount                 | 50.000    | Range 40 - 130 | Recovery | = 119.100% |        |          |
| 24) Chloroform-d              | 5.063     | 84             | 72876    | 5.497      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 125 | Recovery | = 110.000% |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.703     | 65             | 38789    | 5.699      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 130 | Recovery | = 114.000% |        |          |
| 32) Benzene-d6                | 5.729     | 84             | 146205   | 5.480      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 125 | Recovery | = 109.600% |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.694     | 67             | 49495    | 5.634      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 60 - 140 | Recovery | = 112.600% |        |          |
| 41) Toluene-d8                | 7.899     | 98             | 115321   | 4.894      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 130 | Recovery | = 97.800%  |        |          |
| 43) trans-1,3-Dichloroprop... | 8.182     | 79             | 16185    | 5.141      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 55 - 130 | Recovery | = 102.800% |        |          |
| 46) 2-Hexanone-d5             | 8.636     | 63             | 58665    | 52.550     | ug/L   | 0.00     |
| Spiked Amount                 | 50.000    | Range 45 - 130 | Recovery | = 105.100% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758    | 84             | 41453    | 5.373      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 65 - 120 | Recovery | = 107.400% |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.195    | 152            | 36969    | 5.886      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 80 - 120 | Recovery | = 117.800% |        |          |
|                               |           |                |          |            |        |          |
| Target Compounds              |           |                |          |            |        | Qvalue   |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.562     | 101            | 410      | 0.073      | ug/L # | 22       |
| 22) cis-1,2-Dichloroethene    | 4.668     | 96             | 6017     | 0.818      | ug/L   | 98       |
| 27) 1,2-Dichloroethane        | 5.723     | 62             | 819      | 0.101      | ug/L # | 73       |
| 29) 1,1,1-Trichloroethane     | 5.317     | 97             | 1109     | 0.106      | ug/L # | 91       |
| 34) Trichloroethene           | 6.546     | 95             | 21127    | 2.916      | ug/L   | 97       |
| 35) Methylcyclohexane         | 6.694     | 83             | 11221    | 1.200      | ug/L # | 18       |
| 37) 1,2-Dichloropropane       | 6.690     | 63             | 4864     | 0.610      | ug/L # | 89       |
| 39) cis-1,3-Dichloropropene   | 7.565     | 75             | 1007     | 0.097      | ug/L # | 55       |
| 61) 1,2,3-Trichloropropane    | 11.809    | 75             | 4025     | 0.922      | ug/L # | 64       |
| -----                         |           |                |          |            |        |          |

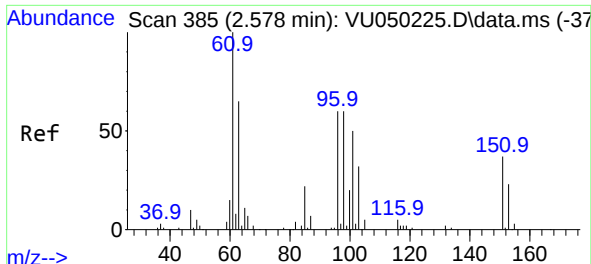
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 11 Sample Multiplier: 1

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Quant Time: Aug 12 01:33:40 2022  
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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Aug 12 01:30:48 2022  
Response via : Initial Calibration

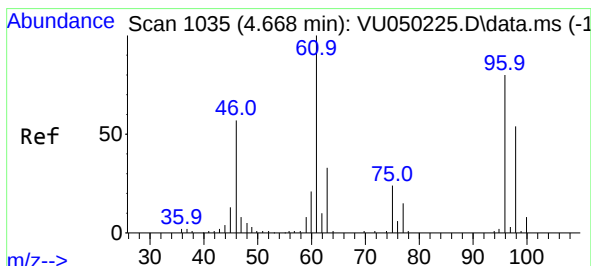
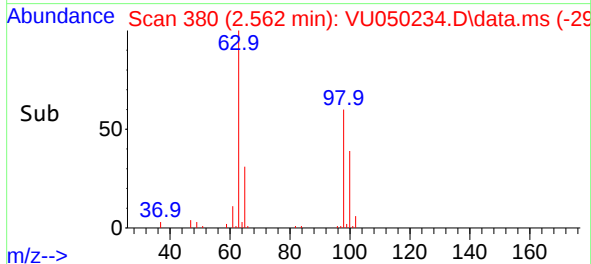
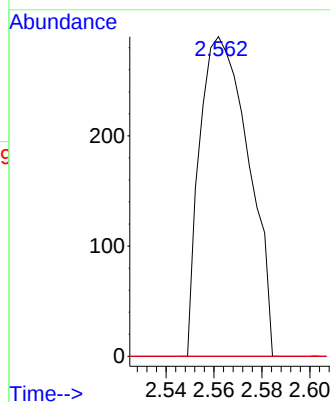
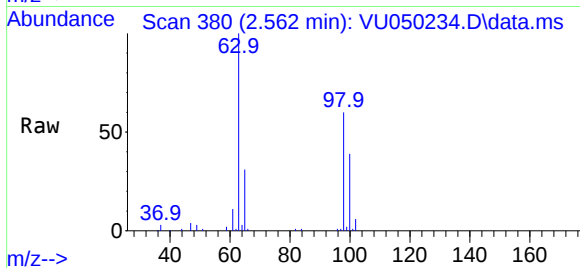




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.073 ug/L  
RT: 2.562 min Scan# 31  
Delta R.T. -0.016 min  
Lab File: VU050234.D  
Acq: 11 Aug 2022 16:43

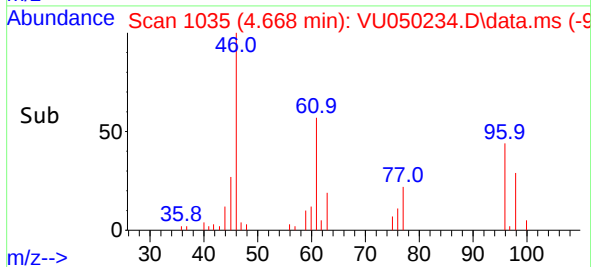
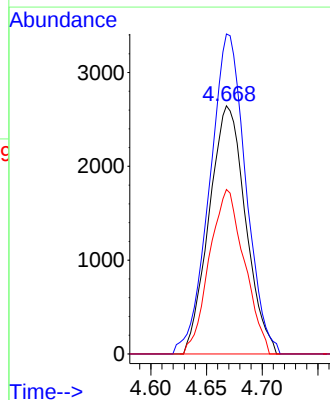
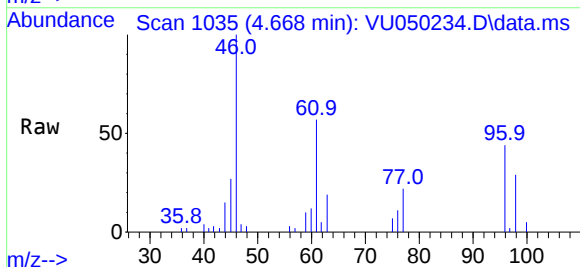
Instrument :  
MSVOA\_U  
ClientSampleId :

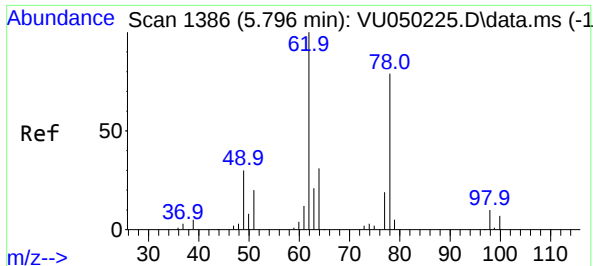
Tgt Ion:101 Resp: 410  
Ion Ratio Lower Upper  
101 100  
85 0.0 35.6 53.4#  
151 0.0 55.2 82.8#



#22  
cis-1,2-Dichloroethene  
Concen: 0.818 ug/L  
RT: 4.668 min Scan# 1035  
Delta R.T. 0.000 min  
Lab File: VU050234.D  
Acq: 11 Aug 2022 16:43

Tgt Ion: 96 Resp: 6017  
Ion Ratio Lower Upper  
96 100  
61 129.0 89.0 165.4  
98 66.3 45.2 84.0

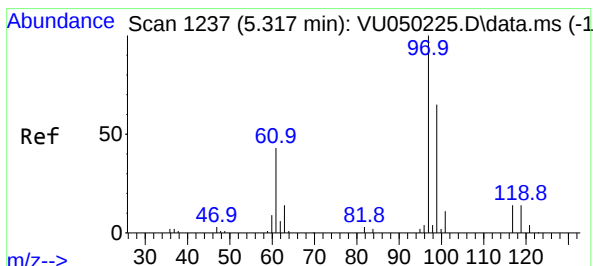
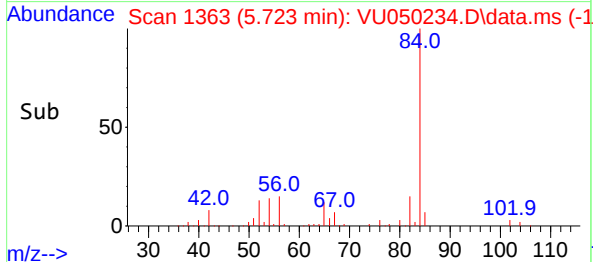
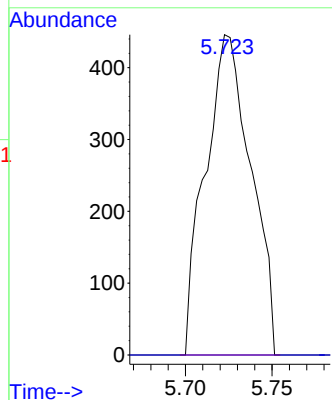
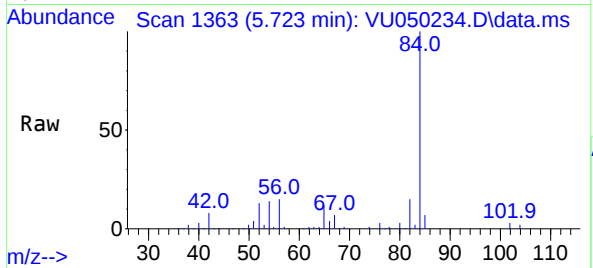




#27  
1,2-Dichloroethane  
Concen: 0.101 ug/L  
RT: 5.723 min Scan# 11  
Delta R.T. -0.074 min  
Lab File: VU050234.D  
Acq: 11 Aug 2022 16:43

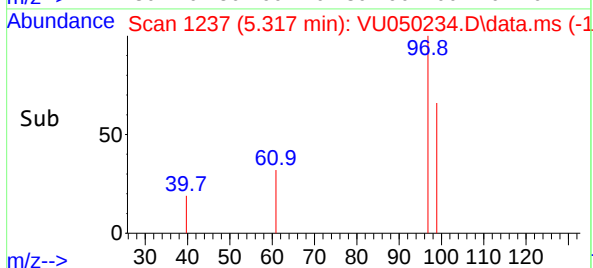
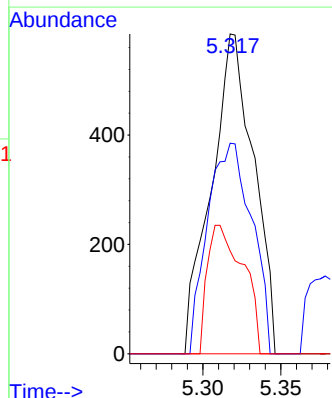
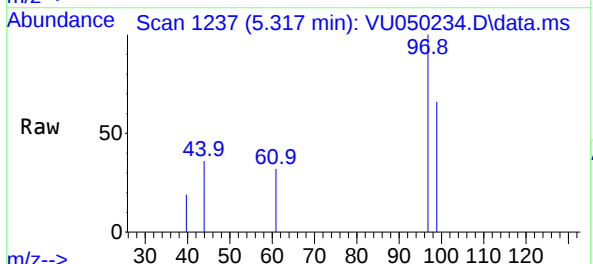
Instrument :  
MSVOA\_U  
ClientSampleId :

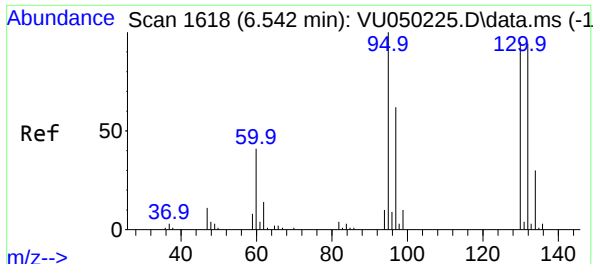
Tgt Ion: 62 Resp: 819  
Ion Ratio Lower Upper  
62 100  
98 0.0 7.8 11.8#



#29  
1,1,1-Trichloroethane  
Concen: 0.106 ug/L  
RT: 5.317 min Scan# 1237  
Delta R.T. 0.000 min  
Lab File: VU050234.D  
Acq: 11 Aug 2022 16:43

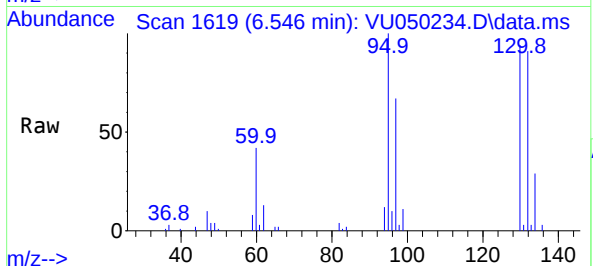
Tgt Ion: 97 Resp: 1109  
Ion Ratio Lower Upper  
97 100  
99 68.6 51.5 77.3  
61 33.7 34.2 51.4#





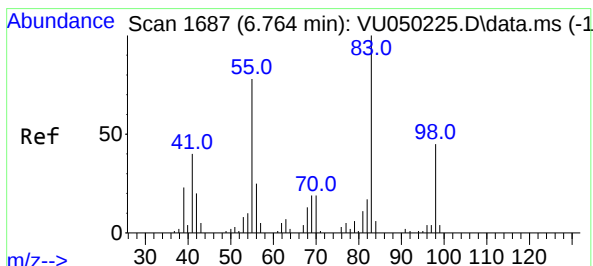
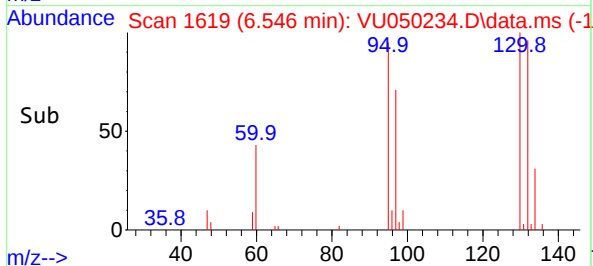
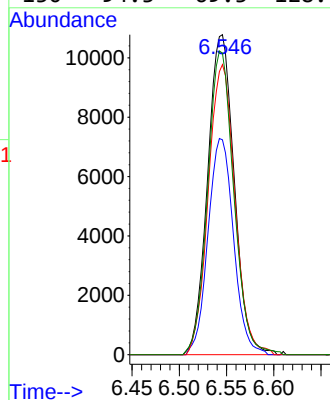
#34  
Trichloroethene  
Concen: 2.916 ug/L  
RT: 6.546 min Scan# 1618  
Delta R.T. 0.003 min  
Lab File: VU050234.D  
Acq: 11 Aug 2022 16:43

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion: 95 Resp: 21127

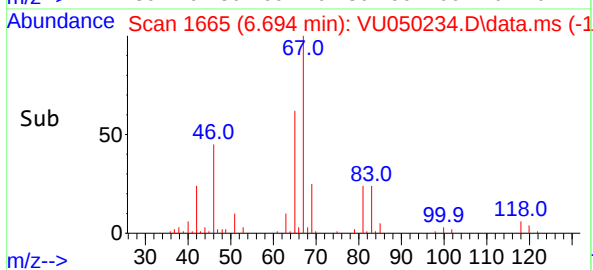
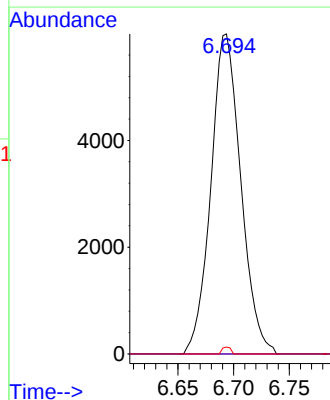
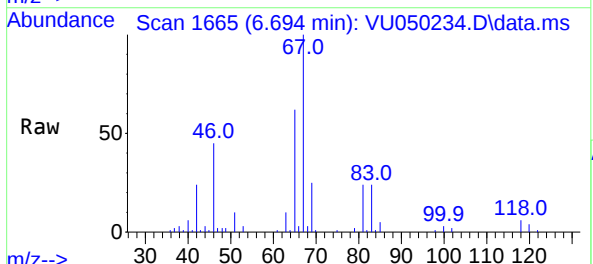
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 67.1  | 45.6  | 84.8  |
| 132 | 90.7  | 65.0  | 120.6 |
| 130 | 94.3  | 69.3  | 128.7 |

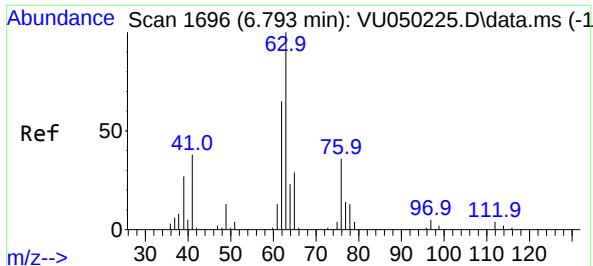


#35  
Methylcyclohexane  
Concen: 1.200 ug/L  
RT: 6.694 min Scan# 1665  
Delta R.T. -0.071 min  
Lab File: VU050234.D  
Acq: 11 Aug 2022 16:43

Tgt Ion: 83 Resp: 11221

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 0.0   | 62.7  | 94.1# |
| 98  | 0.6   | 36.2  | 54.2# |

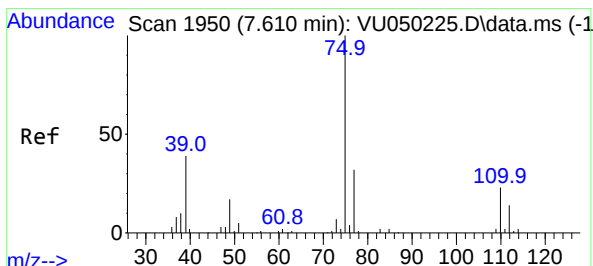
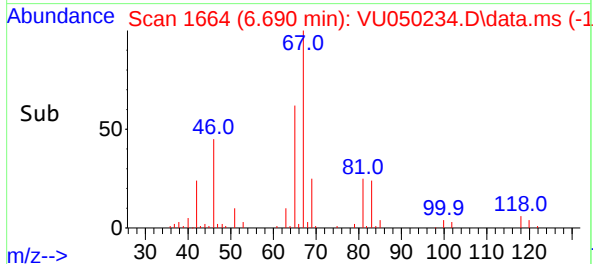
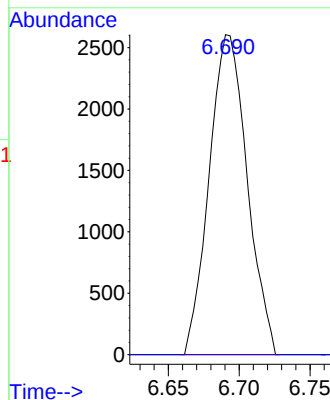
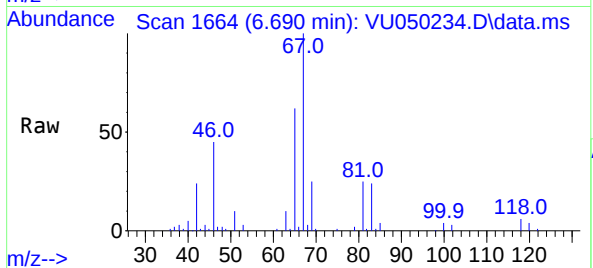




#37  
1,2-Dichloropropane  
Concen: 0.610 ug/L  
RT: 6.690 min Scan# 1  
Delta R.T. -0.103 min  
Lab File: VU050234.D  
Acq: 11 Aug 2022 16:43

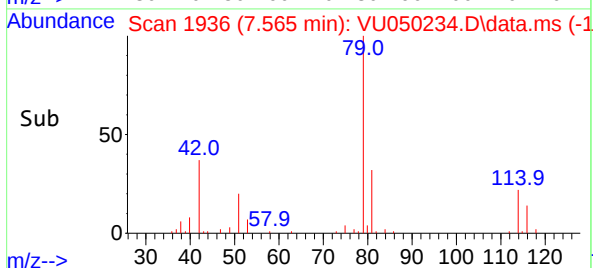
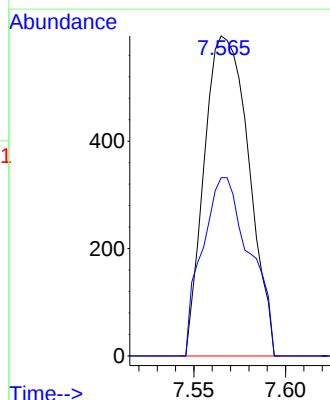
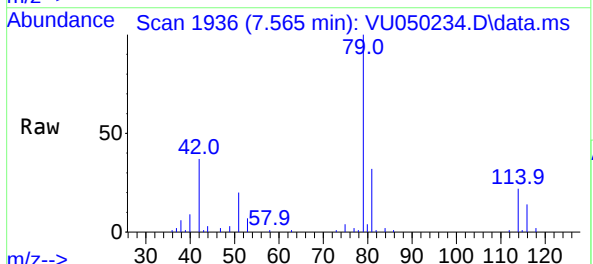
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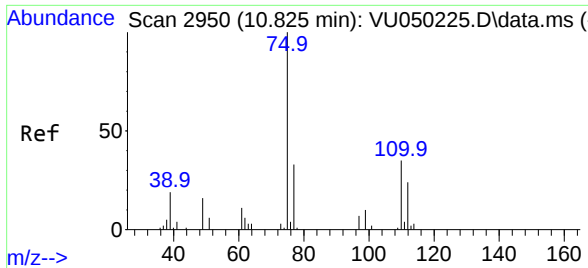
Tgt Ion: 63 Resp: 4864  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.0 4.4#



#39  
cis-1,3-Dichloropropene  
Concen: 0.097 ug/L  
RT: 7.565 min Scan# 1936  
Delta R.T. -0.045 min  
Lab File: VU050234.D  
Acq: 11 Aug 2022 16:43

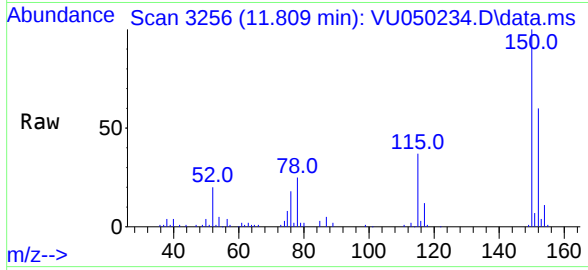
Tgt Ion: 75 Resp: 1007  
Ion Ratio Lower Upper  
75 100  
77 55.7 21.8 40.4#





#61  
1,2,3-Trichloropropane  
Concen: 0.922 ug/L  
RT: 11.809 min Scan# 31  
Delta R.T. 0.984 min  
Lab File: VU050234.D  
Acq: 11 Aug 2022 16:43

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion: 75 Resp: 4025  
Ion Ratio Lower Upper  
75 100  
110 0.0 28.5 42.7#  
77 27.9 25.8 38.6

