

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU102823\  
 Data File : VU055978.D  
 Acq On : 28 Oct 2023 16:53  
 Operator : MD/SY  
 Sample : 05114-13  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Oct 30 04:55:26 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR102423WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Mon Oct 30 04:51:15 2023  
 Response via : Initial Calibration

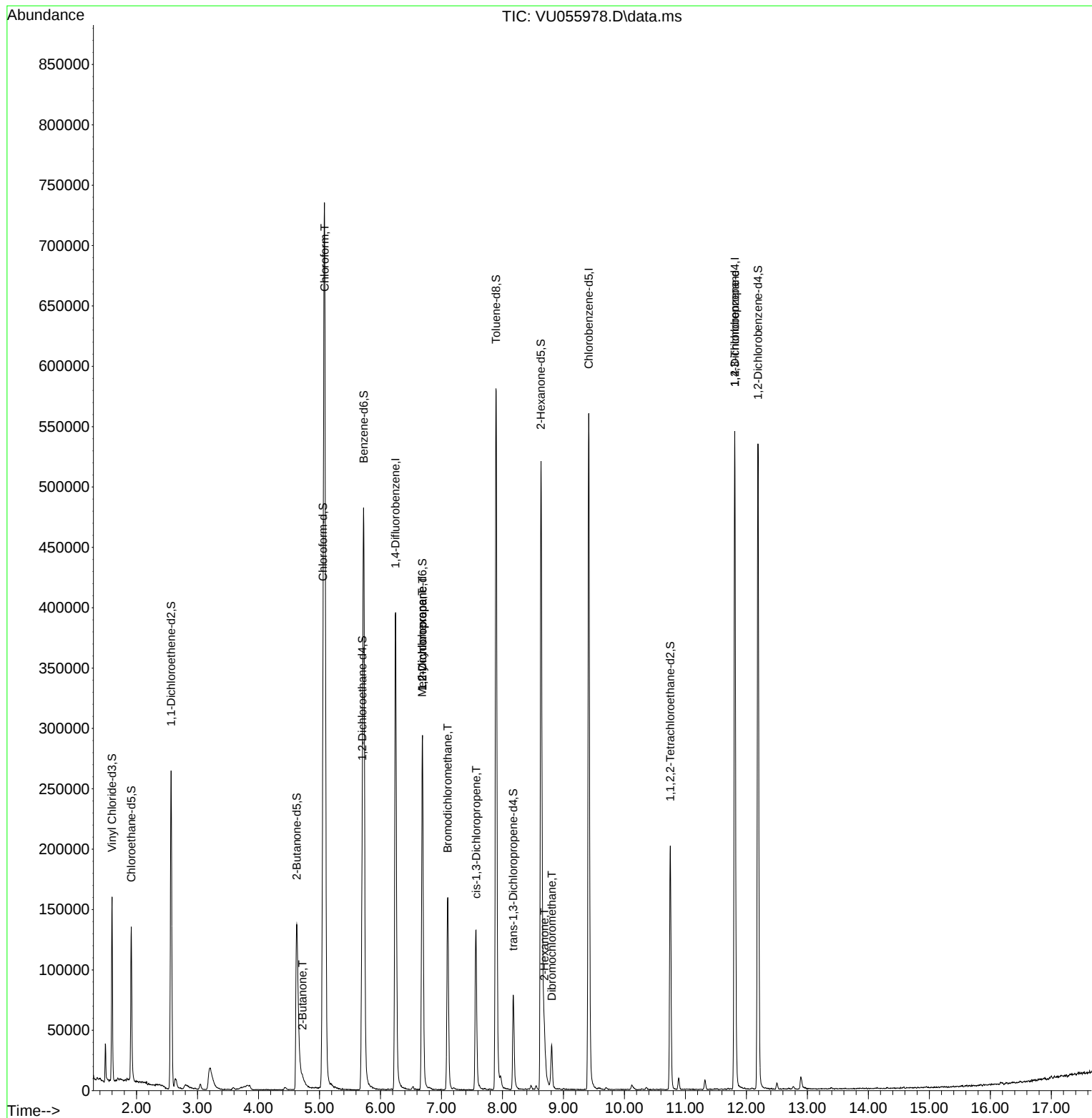
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.248  | 114   | 337974   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.415  | 117   | 333891   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.811 | 152   | 155092   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.599  | 65    | 108947   | 4.075    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 81.400%  |
| 7) Chloroethane-d5            | 1.914  | 69    | 95377    | 4.577    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 91.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.567  | 65    | 50511    | 4.450    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 89.000%  |
| 20) 2-Butanone-d5             | 4.628  | 46    | 234100   | 49.082   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 98.160%  |
| 24) Chloroform-d              | 5.058  | 84    | 262641   | 5.301    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 106.000% |
| 26) 1,2-Dichloroethane-d4     | 5.701  | 65    | 112268   | 4.651    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 93.000%  |
| 32) Benzene-d6                | 5.724  | 84    | 487039   | 4.897    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 98.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.689  | 67    | 149803   | 5.081    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 101.600% |
| 41) Toluene-d8                | 7.894  | 98    | 417232   | 4.624    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 92.400%  |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79    | 51355    | 4.453    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 89.000%  |
| 46) 2-Hexanone-d5             | 8.631  | 63    | 186359   | 63.664   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 127.320% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753 | 84    | 105935   | 4.934    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 98.600%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152   | 150062   | 5.186    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 103.800% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 21) 2-Butanone                | 4.721  | 43    | 7266     | 1.819    | ug/L   | 95       |
| 25) Chloroform                | 5.084  | 83    | 630192   | 17.822   | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.685  | 83    | 35143    | 1.263    | ug/L # | 18       |
| 37) 1,2-Dichloropropane       | 6.689  | 63    | 16080    | 0.822    | ug/L # | 89       |
| 38) Bromodichloromethane      | 7.103  | 83    | 108560   | 4.420    | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 7.570  | 75    | 3417     | 0.123    | ug/L # | 53       |
| 48) 2-Hexanone                | 8.688  | 43    | 19729    | 2.661    | ug/L # | 80       |
| 49) Dibromochloromethane      | 8.807  | 129   | 17399    | 1.152    | ug/L   | 95       |
| 61) 1,2,3-Trichloropropane    | 11.811 | 75    | 18202    | 1.709    | ug/L # | 67       |
| -----                         |        |       |          |          |        |          |

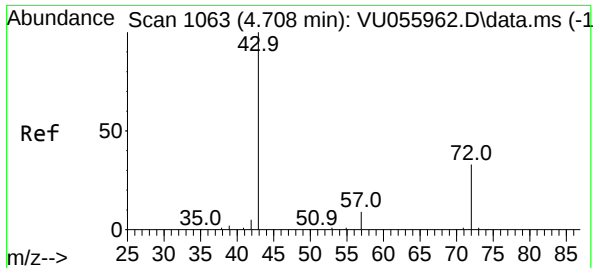
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Mon Oct 30 04:51:15 2023  
Response via : Initial Calibration

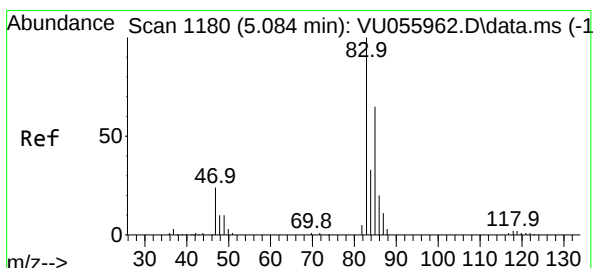
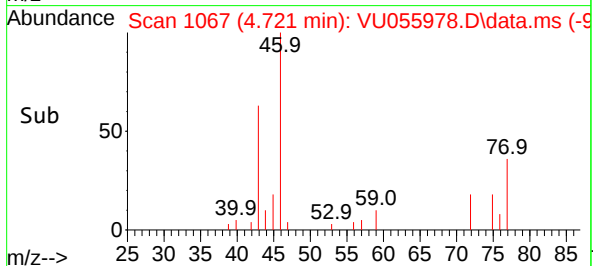
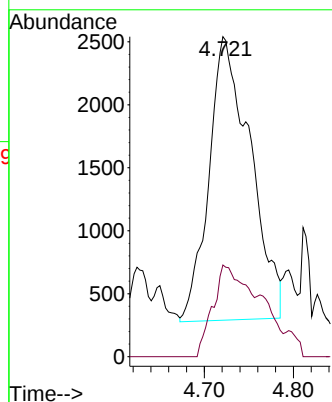
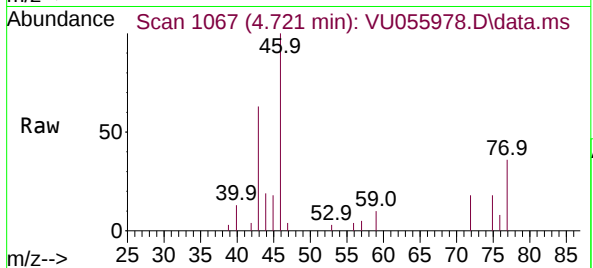




#21  
2-Butanone  
Concen: 1.819 ug/L  
RT: 4.721 min Scan# 1067  
Delta R.T. 0.013 min  
Lab File: VU055978.D  
Acq: 28 Oct 2023 16:53

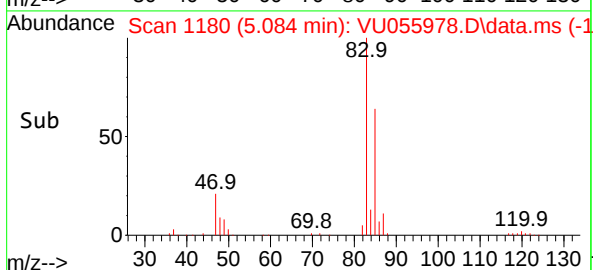
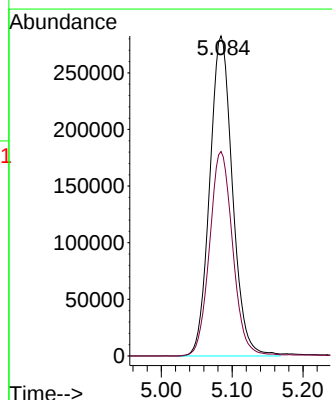
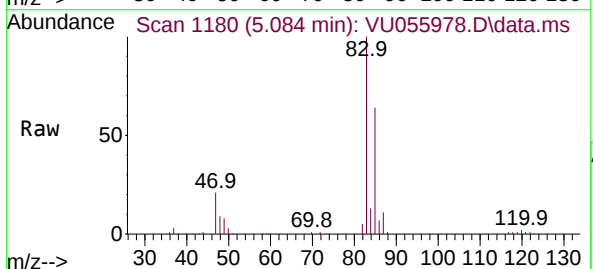
Instrument :  
MSVOA\_U  
ClientSampleId :

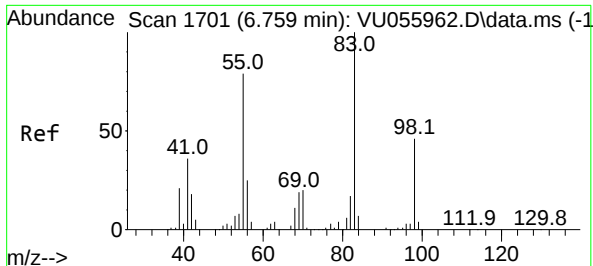
Tgt Ion: 43 Resp: 7266  
Ion Ratio Lower Upper  
43 100  
72 26.5 14.4 43.4



#25  
Chloroform  
Concen: 17.822 ug/L  
RT: 5.084 min Scan# 1180  
Delta R.T. -0.000 min  
Lab File: VU055978.D  
Acq: 28 Oct 2023 16:53

Tgt Ion: 83 Resp: 630192  
Ion Ratio Lower Upper  
83 100  
85 63.9 45.6 84.8

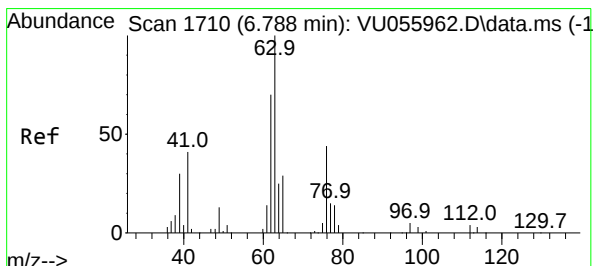
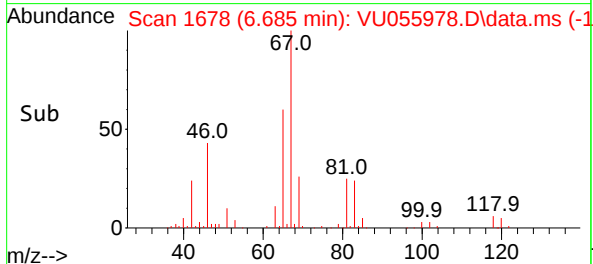
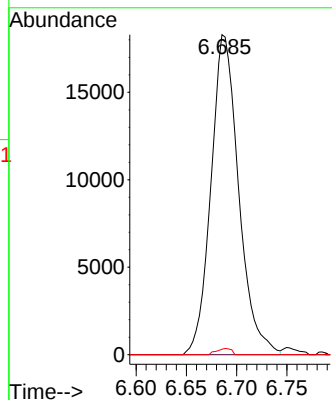
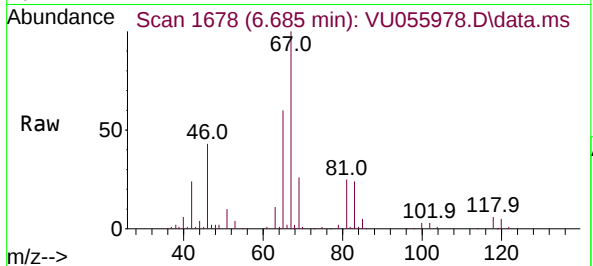




#35  
Methylcyclohexane  
Concen: 1.263 ug/L  
RT: 6.685 min Scan# 1678  
Delta R.T. -0.074 min  
Lab File: VU055978.D  
Acq: 28 Oct 2023 16:53

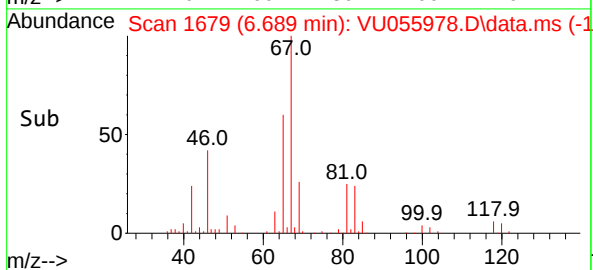
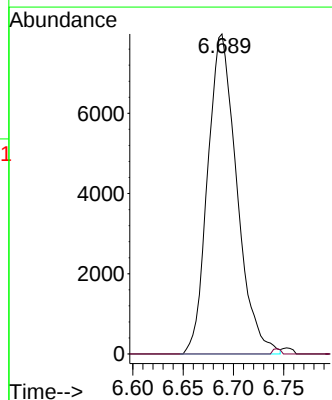
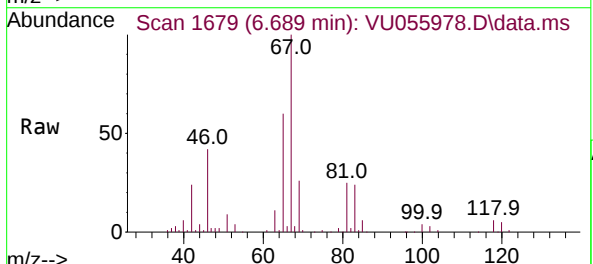
Instrument :  
MSVOA\_U  
ClientSampleId :

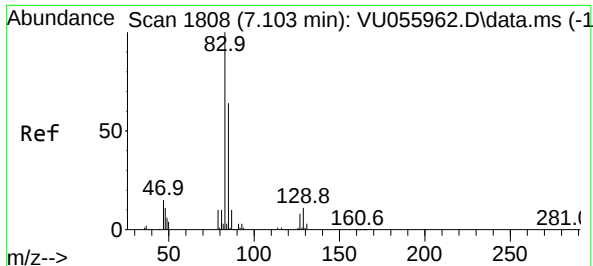
Tgt Ion: 83 Resp: 35143  
Ion Ratio Lower Upper  
83 100  
55 0.0 62.4 93.6#  
98 1.0 37.4 56.2#



#37  
1,2-Dichloropropane  
Concen: 0.822 ug/L  
RT: 6.689 min Scan# 1679  
Delta R.T. -0.100 min  
Lab File: VU055978.D  
Acq: 28 Oct 2023 16:53

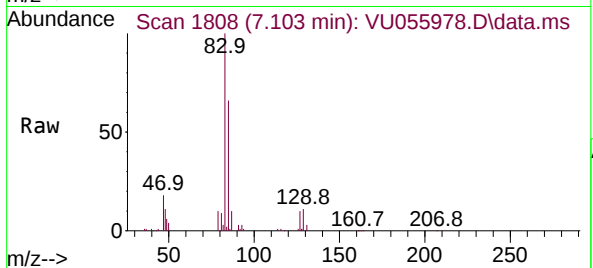
Tgt Ion: 63 Resp: 16080  
Ion Ratio Lower Upper  
63 100  
112 0.4 3.1 4.7#



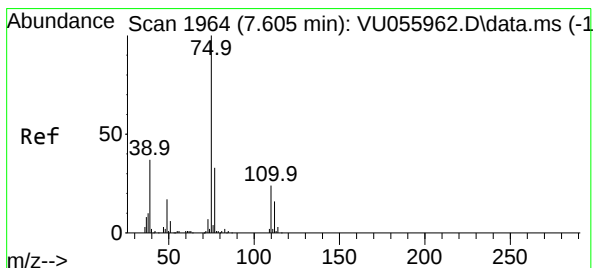
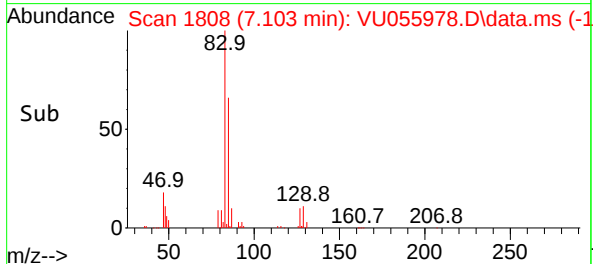
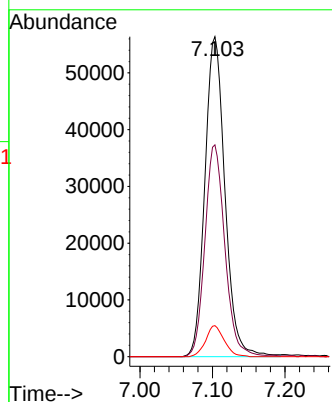


#38  
Bromodichloromethane  
Concen: 4.420 ug/L  
RT: 7.103 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU055978.D  
Acq: 28 Oct 2023 16:53

Instrument :  
MSVOA\_U  
ClientSampleId :

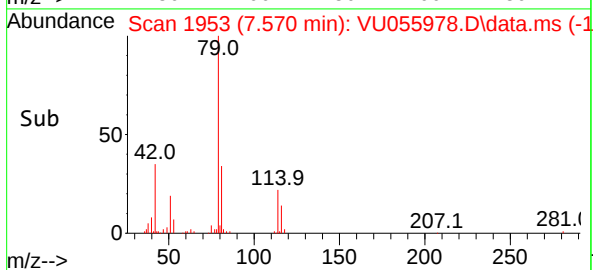
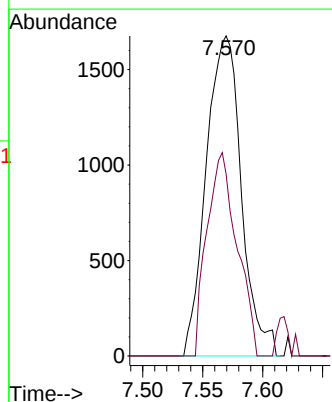
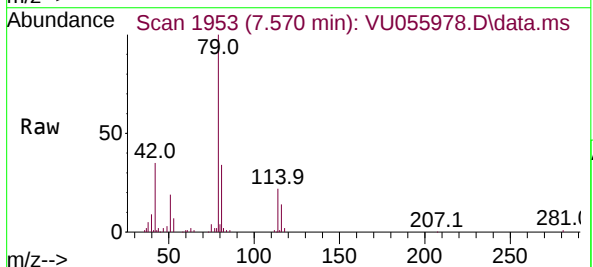


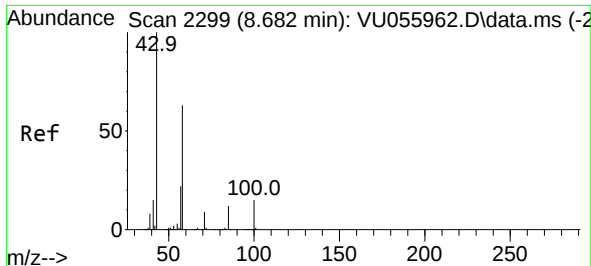
Tgt Ion: 83 Resp: 108560  
Ion Ratio Lower Upper  
83 100  
85 66.2 44.9 83.3  
127 9.7 6.6 9.8



#39  
cis-1,3-Dichloropropene  
Concen: 0.123 ug/L  
RT: 7.570 min Scan# 1953  
Delta R.T. -0.035 min  
Lab File: VU055978.D  
Acq: 28 Oct 2023 16:53

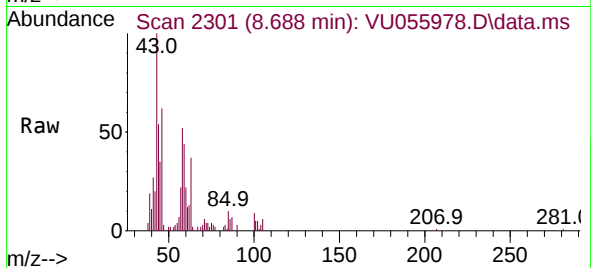
Tgt Ion: 75 Resp: 3417  
Ion Ratio Lower Upper  
75 100  
77 56.9 21.7 40.3#



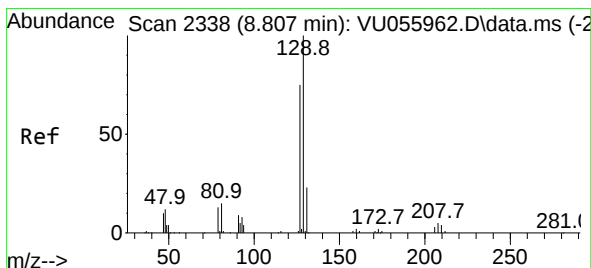
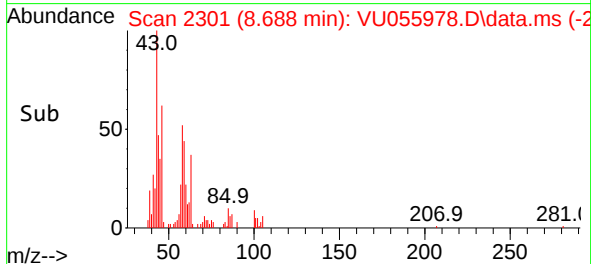
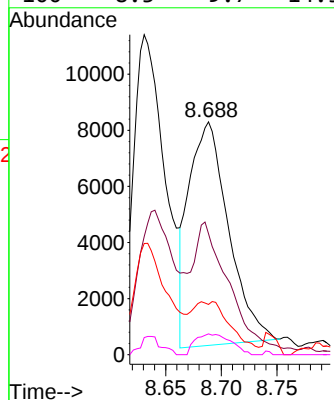


#48  
2-Hexanone  
Concen: 2.661 ug/L  
RT: 8.688 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VU055978.D  
Acq: 28 Oct 2023 16:53

Instrument :  
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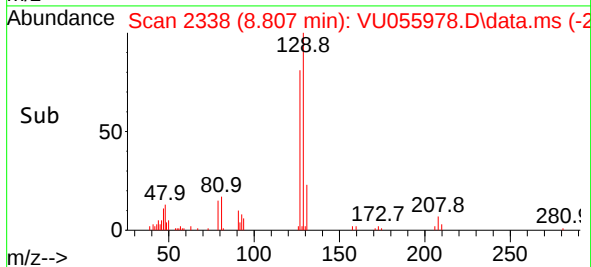
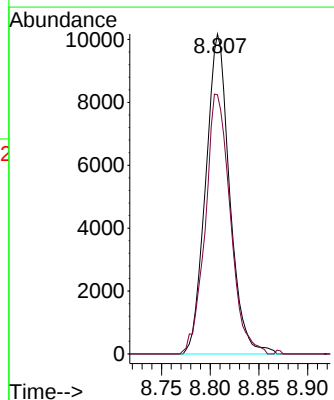
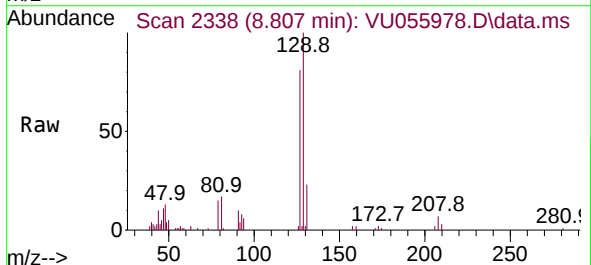


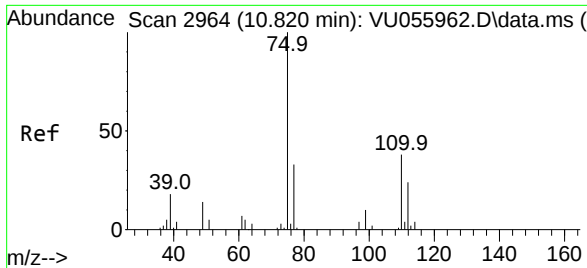
Tgt Ion: 43 Resp: 19729  
Ion Ratio Lower Upper  
43 100  
58 51.0 49.5 74.3  
57 2.0 16.9 25.3#  
100 8.3 9.7 14.5#



#49  
Dibromochloromethane  
Concen: 1.152 ug/L  
RT: 8.807 min Scan# 2338  
Delta R.T. -0.000 min  
Lab File: VU055978.D  
Acq: 28 Oct 2023 16:53

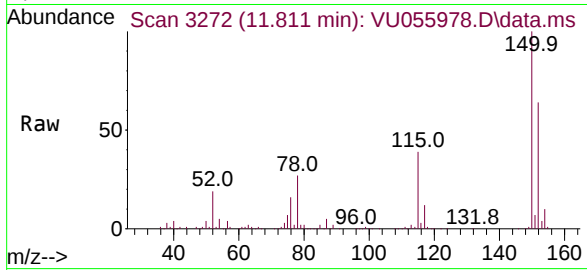
Tgt Ion: 129 Resp: 17399  
Ion Ratio Lower Upper  
129 100  
127 81.0 53.5 99.5





#61  
 1,2,3-Trichloropropane  
 Concen: 1.709 ug/L  
 RT: 11.811 min Scan# 31  
 Delta R.T. 0.990 min  
 Lab File: VU055978.D  
 Acq: 28 Oct 2023 16:53

Instrument :  
 MSVOA\_U  
 ClientSampleId :



Tgt Ion: 75 Resp: 18202  
 Ion Ratio Lower Upper  
 75 100  
 110 2.9 29.0 43.6#  
 77 33.9 24.5 36.7

