

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU112023\  
 Data File : VU056527.D  
 Acq On : 20 Nov 2023 15:13  
 Operator : MD/SY  
 Sample : 05455-08  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Nov 21 00:41:10 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111323WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Nov 21 00:36:07 2023  
 Response via : Initial Calibration

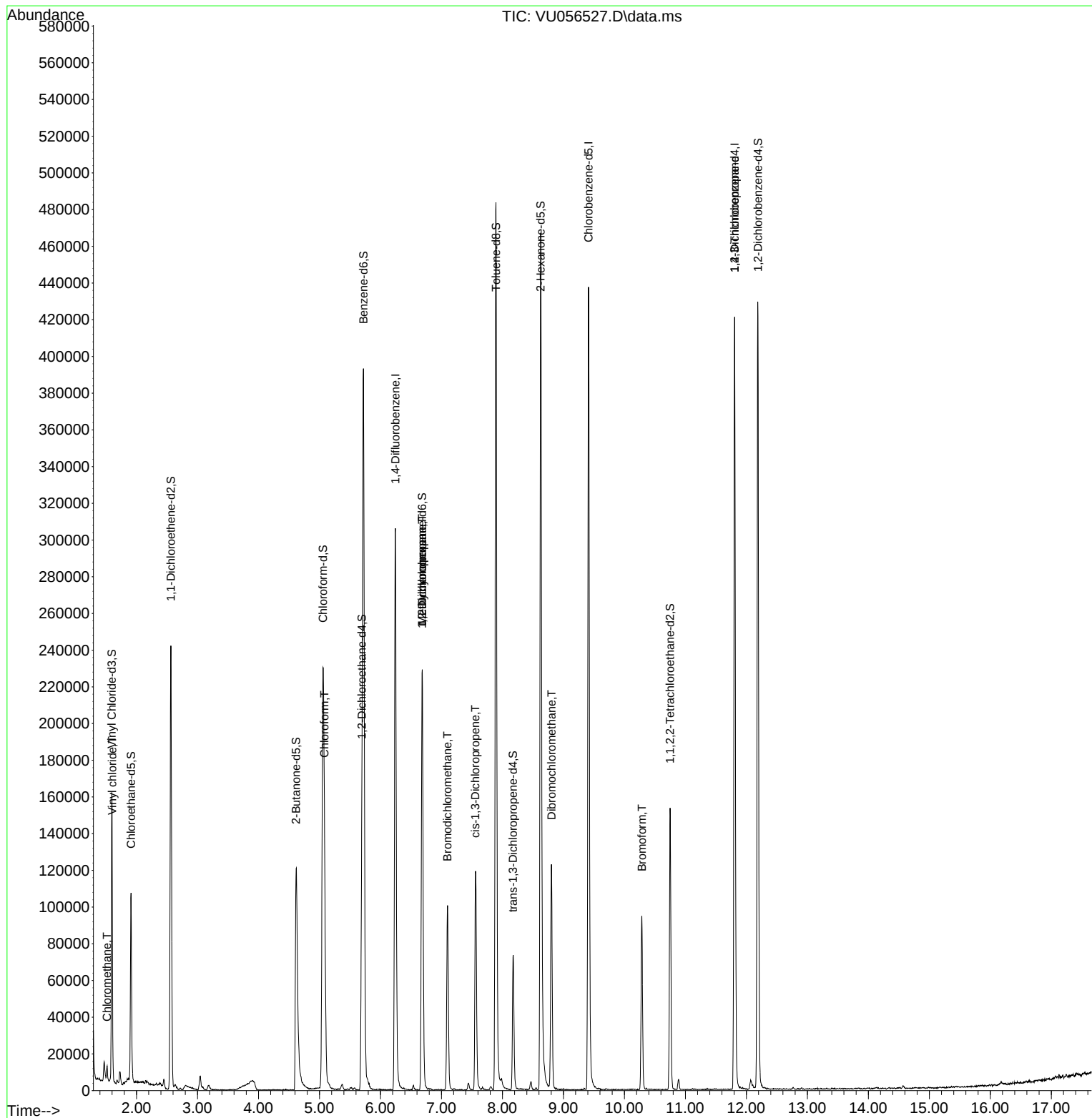
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114   | 251546   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 253203   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 113598   | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 110725   | 5.885    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 117.600% |
| 7) Chloroethane-d5            | 1.911  | 69    | 75160    | 5.210    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 104.200% |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65    | 46476    | 5.597    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 112.000% |
| 20) 2-Butanone-d5             | 4.618  | 46    | 191674   | 51.090   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 102.180% |
| 24) Chloroform-d              | 5.058  | 84    | 192787   | 5.297    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 106.000% |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 92186    | 5.482    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 109.600% |
| 32) Benzene-d6                | 5.721  | 84    | 374624   | 4.966    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 99.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.685  | 67    | 114103   | 5.019    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 100.400% |
| 41) Toluene-d8                | 7.894  | 98    | 331824   | 4.981    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 99.600%  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 44831    | 5.141    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 102.800% |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 163933   | 47.839   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 95.680%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.750 | 84    | 76532    | 4.711    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 94.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152   | 114107   | 5.437    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 108.800% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 3) Chloromethane              | 1.518  | 50    | 5452     | 0.268    | ug/L   | 94       |
| 5) Vinyl chloride             | 1.602  | 62    | 2213     | 0.113    | ug/L # | 1        |
| 25) Chloroform                | 5.081  | 83    | 101572   | 2.987    | ug/L   | 95       |
| 35) Methylcyclohexane         | 6.685  | 83    | 26848    | 0.945    | ug/L # | 19       |
| 37) 1,2-Dichloropropane       | 6.682  | 63    | 12901    | 0.685    | ug/L # | 90       |
| 38) Bromodichloromethane      | 7.100  | 83    | 68694    | 2.824    | ug/L   | 96       |
| 39) cis-1,3-Dichloropropene   | 7.557  | 75    | 3267     | 0.118    | ug/L # | 55       |
| 49) Dibromochloromethane      | 8.804  | 129   | 61508    | 4.311    | ug/L   | 90       |
| 59) Bromoform                 | 10.287 | 173   | 43436    | 6.138    | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 11.807 | 75    | 14047    | 1.441    | ug/L # | 67       |
| -----                         |        |       |          |          |        |          |

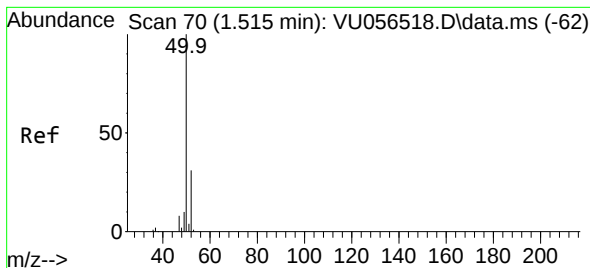
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 21 00:36:07 2023  
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.268 ug/L

RT: 1.518 min Scan# 70

Delta R.T. 0.003 min

Lab File: VU056527.D

Acq: 20 Nov 2023 15:13

Instrument :

MSVOA\_U

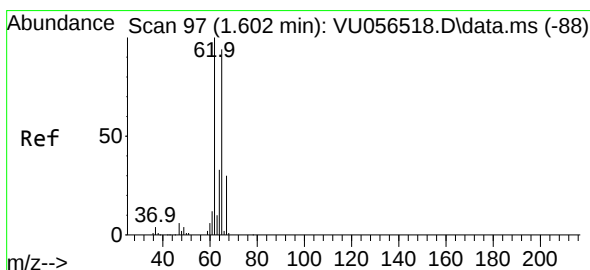
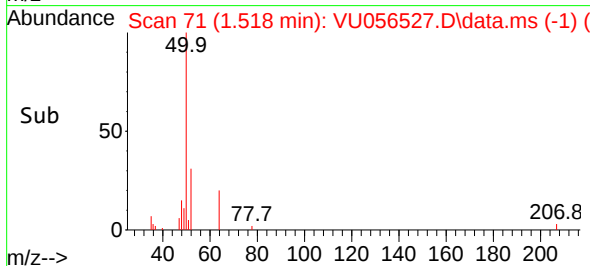
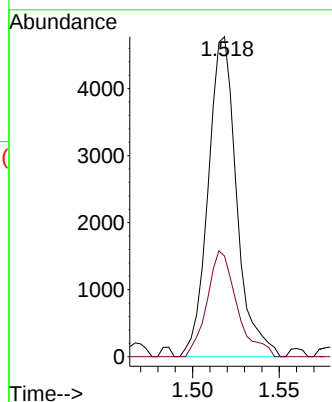
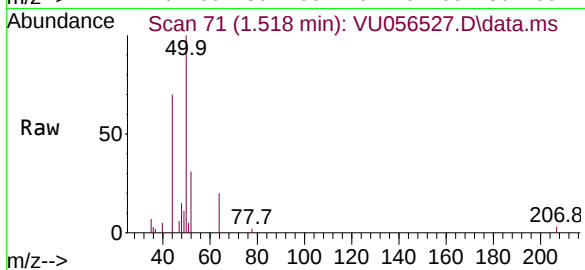
ClientSampleId :

Tgt Ion: 50 Resp: 5452

Ion Ratio Lower Upper

50 100

52 31.5 24.3 45.1



#5

Vinyl chloride

Concen: 0.113 ug/L

RT: 1.602 min Scan# 97

Delta R.T. 0.000 min

Lab File: VU056527.D

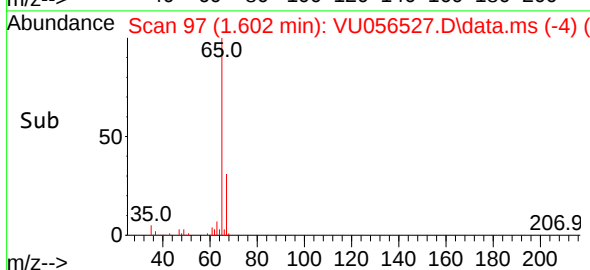
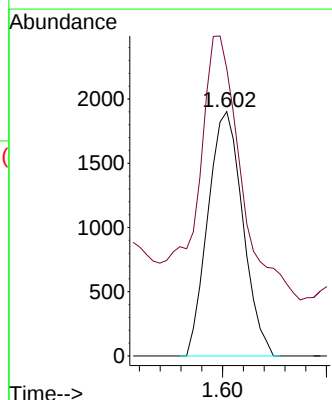
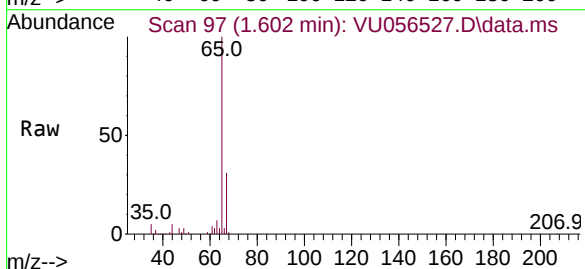
Acq: 20 Nov 2023 15:13

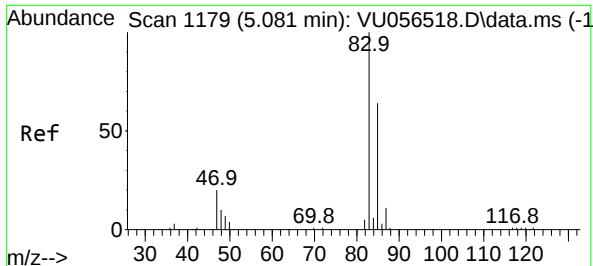
Tgt Ion: 62 Resp: 2213

Ion Ratio Lower Upper

62 100

64 117.6 23.3 43.3#





#25

Chloroform

Concen: 2.987 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VU056527.D

Acq: 20 Nov 2023 15:13

Instrument :

MSVOA\_U

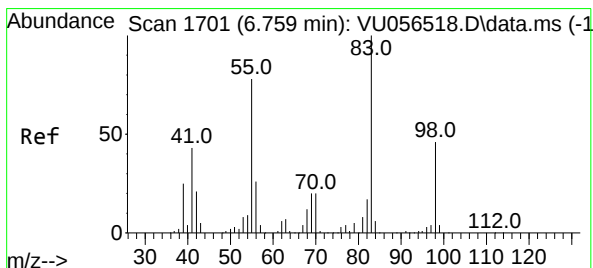
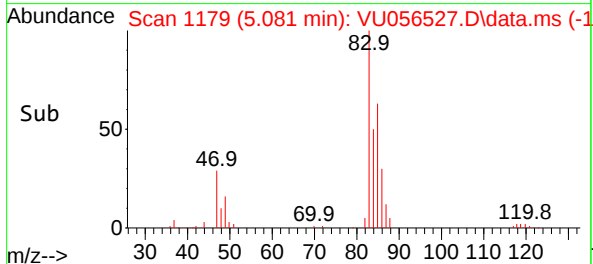
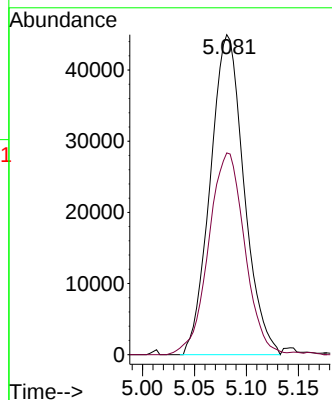
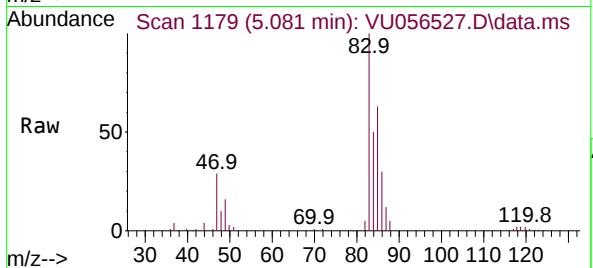
ClientSampleId :

Tgt Ion: 83 Resp: 101572

Ion Ratio Lower Upper

83 100

85 63.0 47.0 87.2



#35

Methylcyclohexane

Concen: 0.945 ug/L

RT: 6.685 min Scan# 1678

Delta R.T. -0.074 min

Lab File: VU056527.D

Acq: 20 Nov 2023 15:13

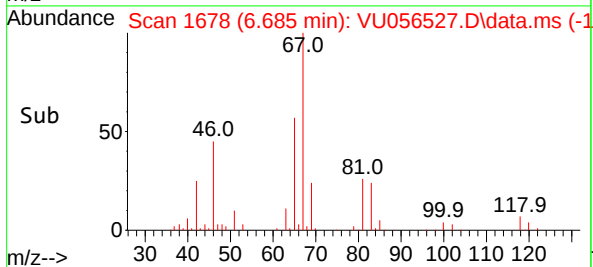
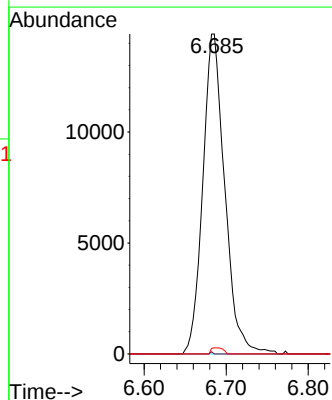
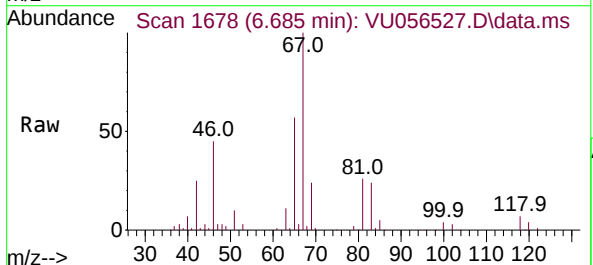
Tgt Ion: 83 Resp: 26848

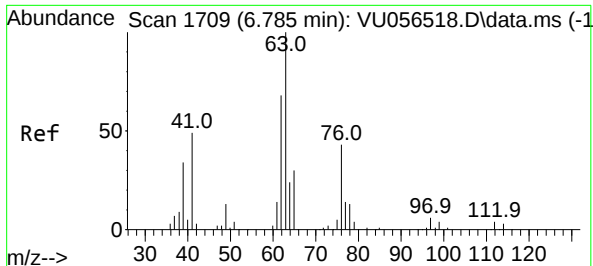
Ion Ratio Lower Upper

83 100

55 0.1 62.9 94.3#

98 1.0 35.3 52.9#





#37

1,2-Dichloropropane

Concen: 0.685 ug/L

RT: 6.682 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU056527.D

Acq: 20 Nov 2023 15:13

Instrument :

MSVOA\_U

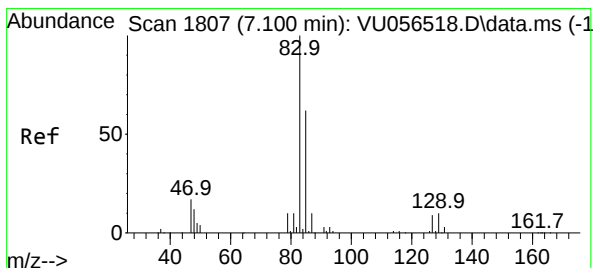
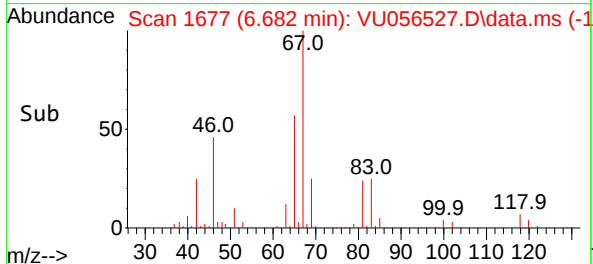
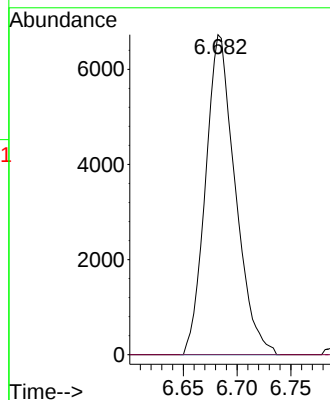
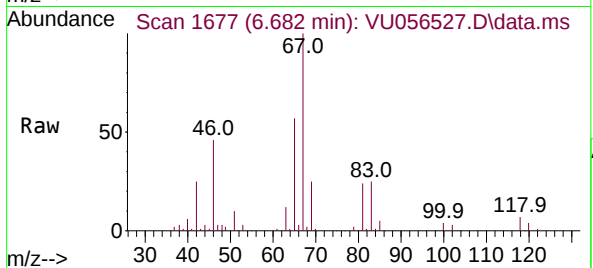
ClientSampleId :

Tgt Ion: 63 Resp: 12901

Ion Ratio Lower Upper

63 100

112 0.6 3.2 4.8#



#38

Bromodichloromethane

Concen: 2.824 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VU056527.D

Acq: 20 Nov 2023 15:13

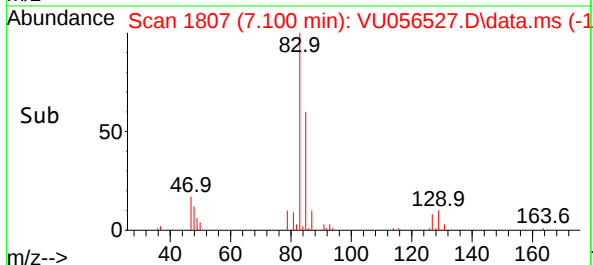
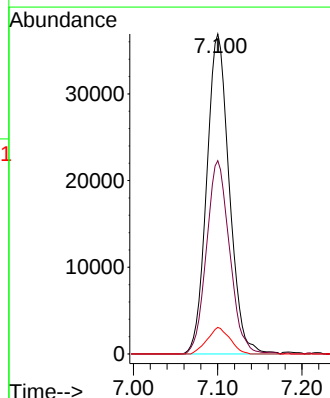
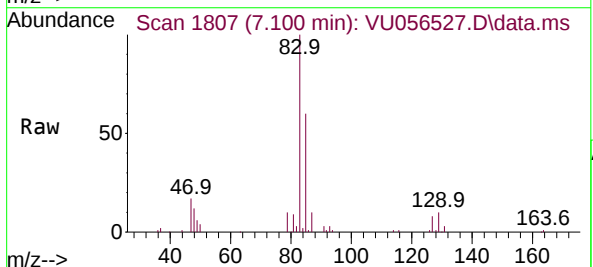
Tgt Ion: 83 Resp: 68694

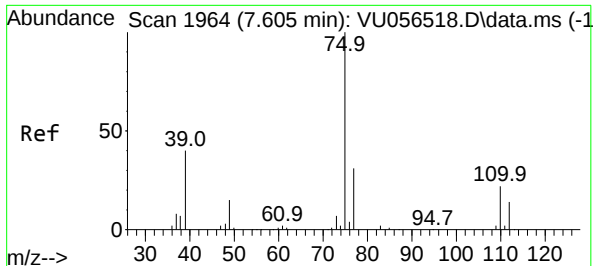
Ion Ratio Lower Upper

83 100

85 60.4 44.9 83.5

127 8.3 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 0.118 ug/L

RT: 7.557 min Scan# 1949

Delta R.T. -0.048 min

Lab File: VU056527.D

Acq: 20 Nov 2023 15:13

Instrument :

MSVOA\_U

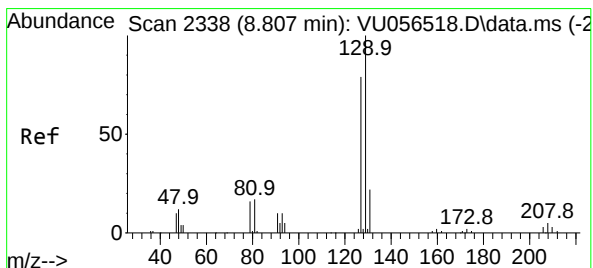
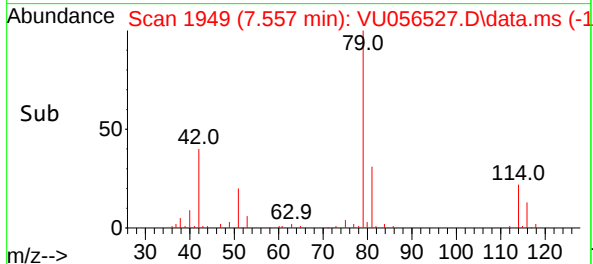
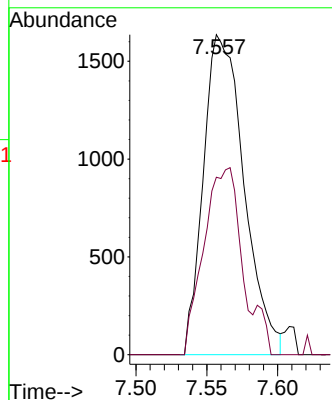
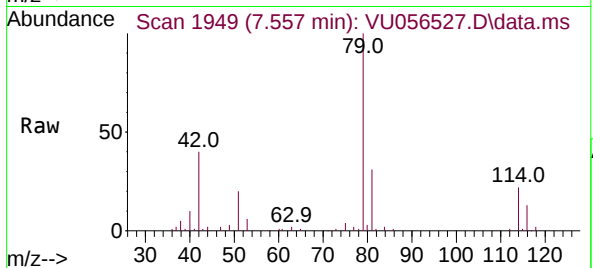
ClientSampleId :

Tgt Ion: 75 Resp: 3267

Ion Ratio Lower Upper

75 100

77 55.4 21.5 39.9#



#49

Dibromochloromethane

Concen: 4.311 ug/L

RT: 8.804 min Scan# 2337

Delta R.T. -0.003 min

Lab File: VU056527.D

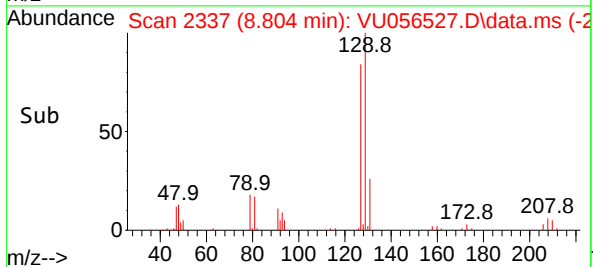
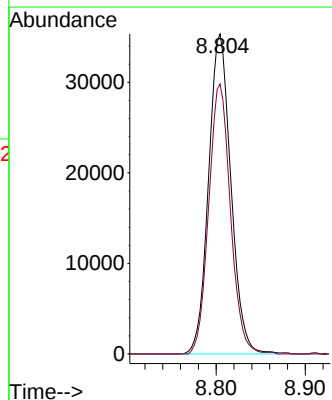
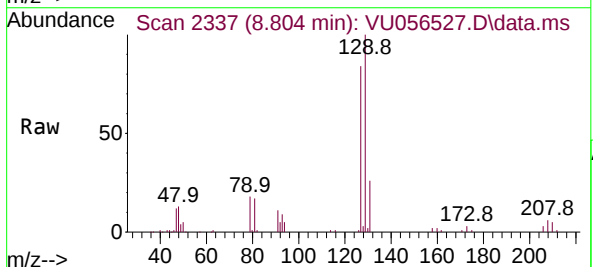
Acq: 20 Nov 2023 15:13

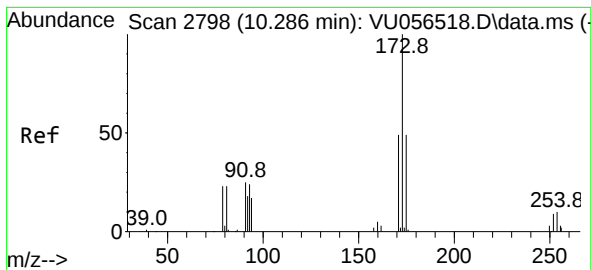
Tgt Ion: 129 Resp: 61508

Ion Ratio Lower Upper

129 100

127 84.4 52.9 98.3





#59

Bromoform

Concen: 6.138 ug/L

RT: 10.287 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU056527.D

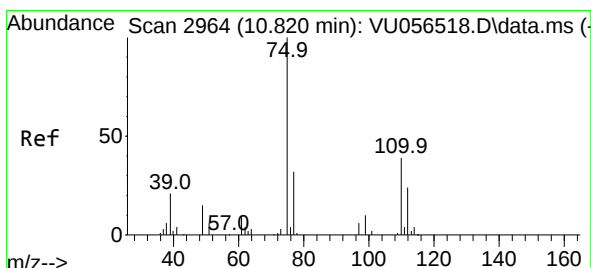
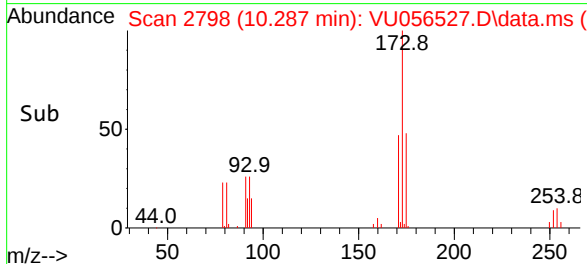
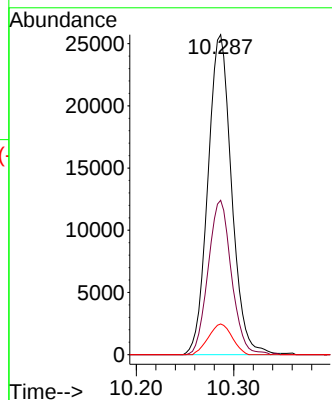
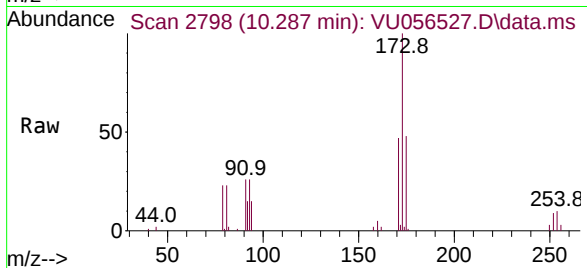
Acq: 20 Nov 2023 15:13

Instrument :

MSVOA\_U

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 173   | Resp: | 43436 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 47.4  | 38.9  | 58.3  |
| 254       | 9.6   | 6.7   | 10.1  |



#61

1,2,3-Trichloropropane

Concen: 1.441 ug/L

RT: 11.807 min Scan# 3271

Delta R.T. 0.987 min

Lab File: VU056527.D

Acq: 20 Nov 2023 15:13

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 14047 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 2.0   | 30.4  | 45.6# |
| 77        | 31.7  | 27.0  | 40.6  |

