

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU111523\  
 Data File : VU056382.D  
 Acq On : 16 Nov 2023 02:57  
 Operator : MD/SY  
 Sample : 05411-09  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Nov 16 06:15:32 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111323WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Nov 16 05:41:06 2023  
 Response via : Initial Calibration

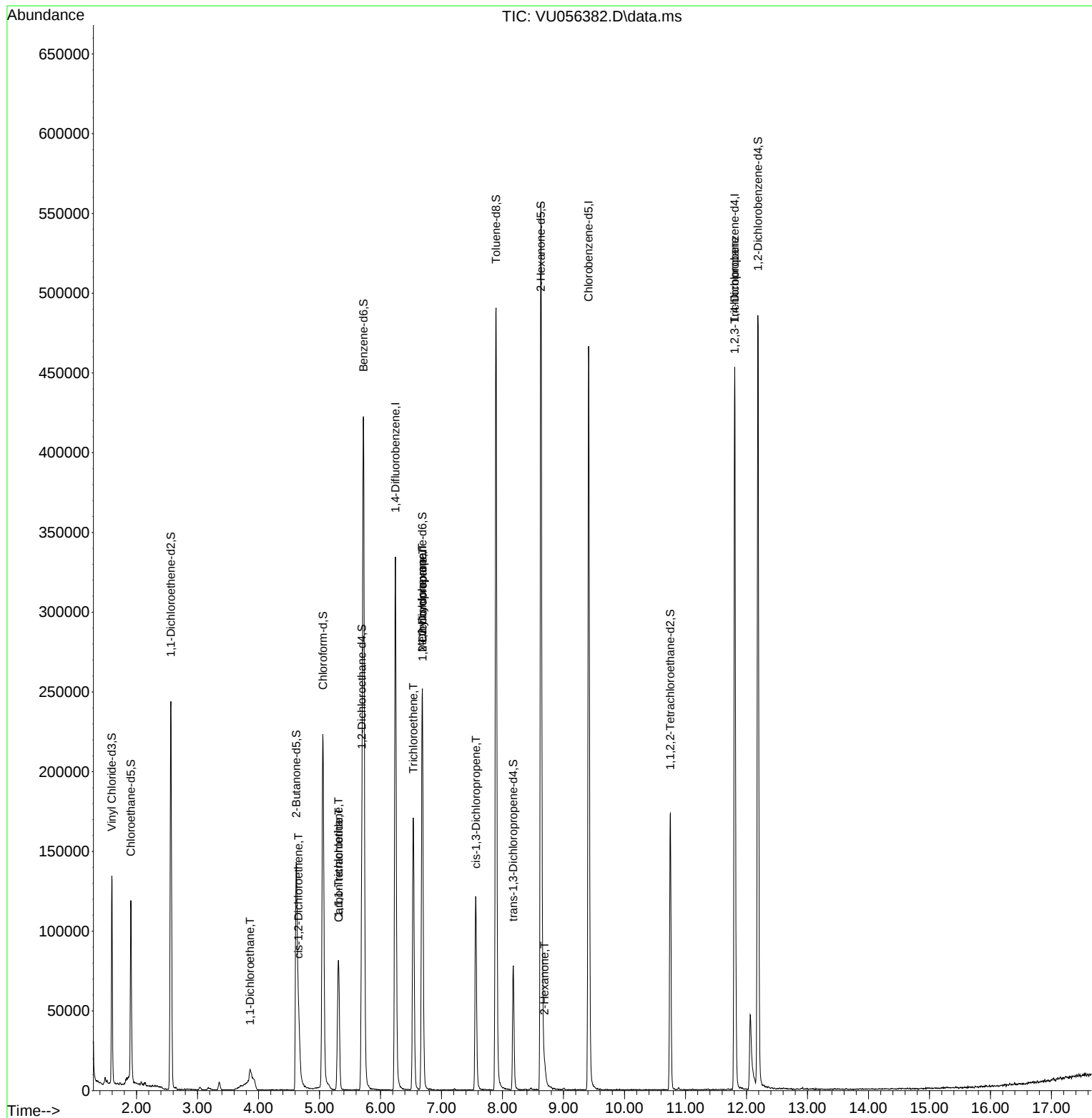
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114            | 269508   | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117            | 266709   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152            | 118581   | 5.000  | ug/L     | 0.00     |
|                               |        |                |          |        |          |          |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65             | 93660    | 4.646  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 93.000%  |          |
| 7) Chloroethane-d5            | 1.907  | 69             | 81090    | 5.247  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 105.000% |          |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65             | 47534    | 5.343  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 106.800% |          |
| 20) 2-Butanone-d5             | 4.618  | 46             | 226525   | 56.355 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 112.720% |          |
| 24) Chloroform-d              | 5.055  | 84             | 213628   | 5.479  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 109.600% |          |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65             | 104496   | 5.800  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 116.000% |          |
| 32) Benzene-d6                | 5.721  | 84             | 406363   | 5.114  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 102.200% |          |
| 36) 1,2-Dichloropropane-d6    | 6.685  | 67             | 123634   | 5.162  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 103.200% |          |
| 41) Toluene-d8                | 7.894  | 98             | 342704   | 4.884  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 97.600%  |          |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79             | 48503    | 5.281  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 105.600% |          |
| 46) 2-Hexanone-d5             | 8.631  | 63             | 192040   | 53.203 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 106.400% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.750 | 84             | 88072    | 5.147  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 103.000% |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152            | 123951   | 5.658  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 113.200% |          |
|                               |        |                |          |        |          |          |
| Target Compounds              |        |                |          |        |          | Qvalue   |
| 19) 1,1-Dichloroethane        | 3.862  | 63             | 8951     | 0.266  | ug/L     | 92       |
| 22) cis-1,2-Dichloroethene    | 4.657  | 96             | 13222    | 0.687  | ug/L     | 91       |
| 29) 1,1,1-Trichloroethane     | 5.312  | 97             | 62063    | 2.027  | ug/L     | 99       |
| 31) Carbon tetrachloride      | 5.316  | 117            | 7937     | 0.302  | ug/L     | 96       |
| 34) Trichloroethene           | 6.537  | 95             | 61870    | 2.984  | ug/L     | 98       |
| 35) Methylcyclohexane         | 6.682  | 83             | 29480    | 0.985  | ug/L #   | 19       |
| 37) 1,2-Dichloropropane       | 6.689  | 63             | 13432    | 0.677  | ug/L #   | 88       |
| 39) cis-1,3-Dichloropropene   | 7.566  | 75             | 3213     | 0.110  | ug/L #   | 59       |
| 48) 2-Hexanone                | 8.689  | 43             | 7060     | 0.921  | ug/L #   | 46       |
| 61) 1,2,3-Trichloropropane    | 11.804 | 75             | 14211    | 1.397  | ug/L #   | 69       |
| -----                         |        |                |          |        |          |          |

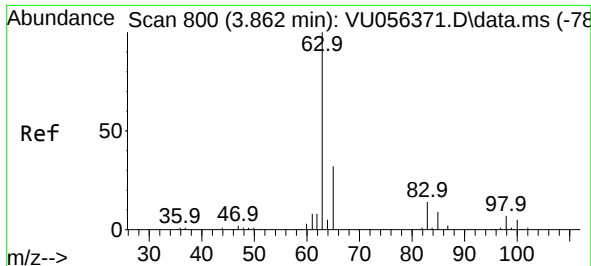
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Nov 16 05:41:06 2023  
Response via : Initial Calibration





#19

1,1-Dichloroethane

Concen: 0.266 ug/L

RT: 3.862 min Scan# 800

Delta R.T. -0.000 min

Lab File: VU056382.D

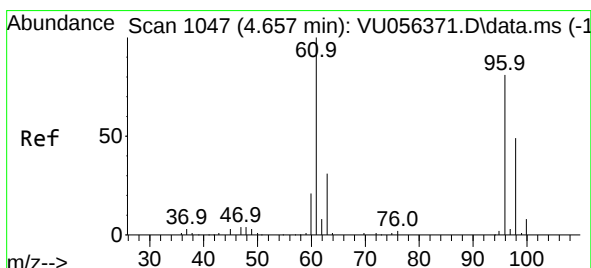
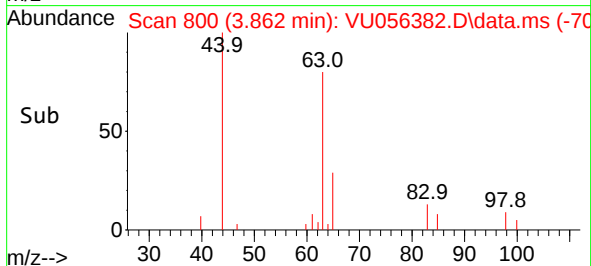
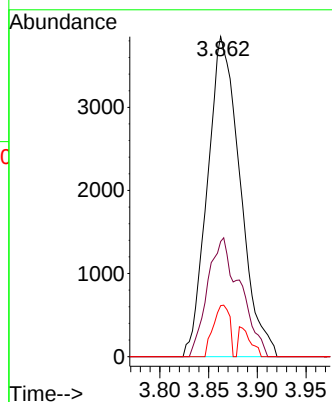
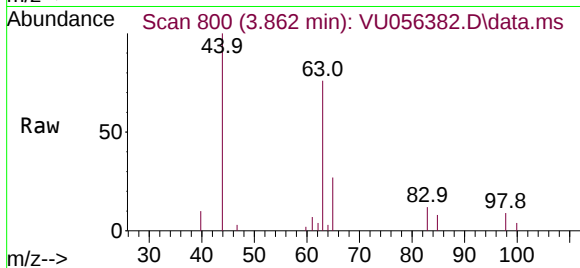
Acq: 16 Nov 2023 02:57

Instrument :

MSVOA\_U

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 8951  |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 36.0  | 21.8  | 40.6  |
| 83       | 15.9  | 9.7   | 17.9  |



#22

cis-1,2-Dichloroethene

Concen: 0.687 ug/L

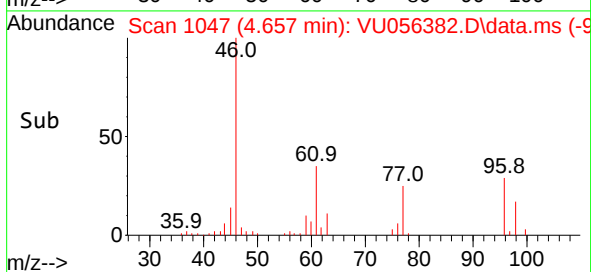
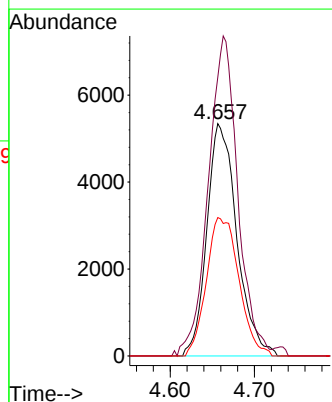
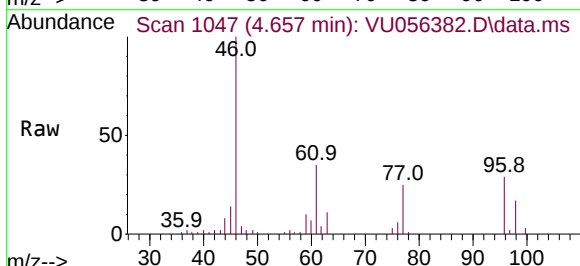
RT: 4.657 min Scan# 1047

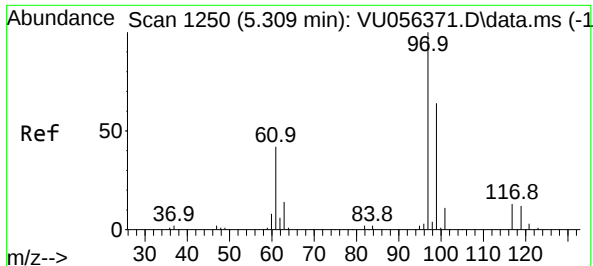
Delta R.T. -0.000 min

Lab File: VU056382.D

Acq: 16 Nov 2023 02:57

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 13222 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 119.9 | 93.2  | 173.2 |
| 98       | 59.6  | 44.8  | 83.2  |





#29

1,1,1-Trichloroethane

Concen: 2.027 ug/L

RT: 5.312 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU056382.D

Acq: 16 Nov 2023 02:57

Instrument :

MSVOA\_U

ClientSampleId :

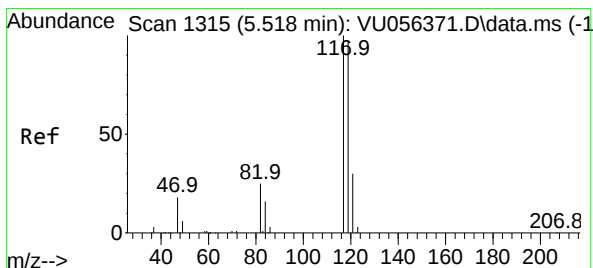
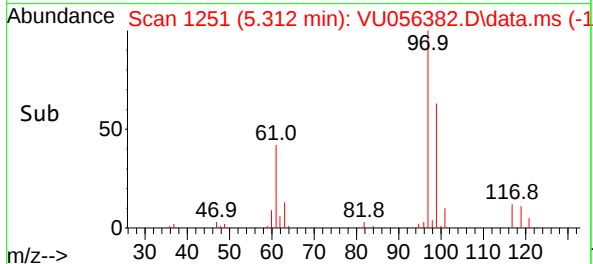
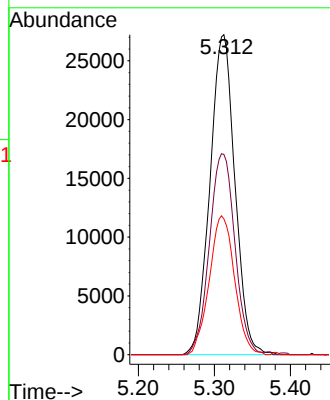
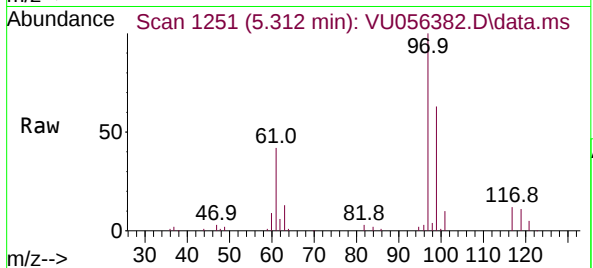
Tgt Ion: 97 Resp: 62063

Ion Ratio Lower Upper

97 100

99 64.3 51.6 77.4

61 44.0 34.3 51.5



#31

Carbon tetrachloride

Concen: 0.302 ug/L

RT: 5.316 min Scan# 1252

Delta R.T. -0.203 min

Lab File: VU056382.D

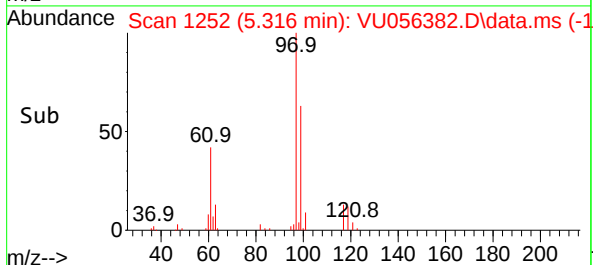
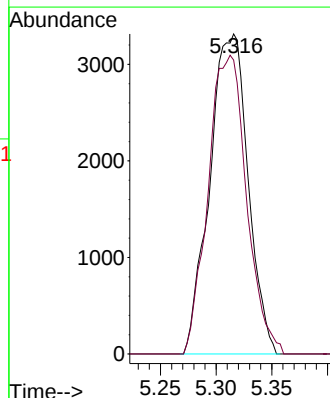
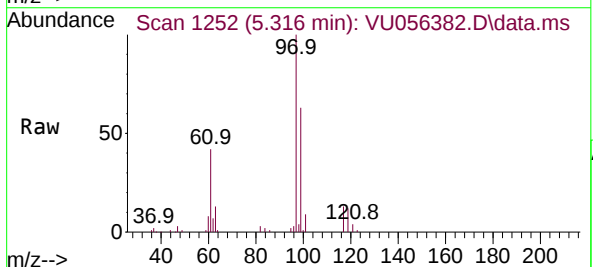
Acq: 16 Nov 2023 02:57

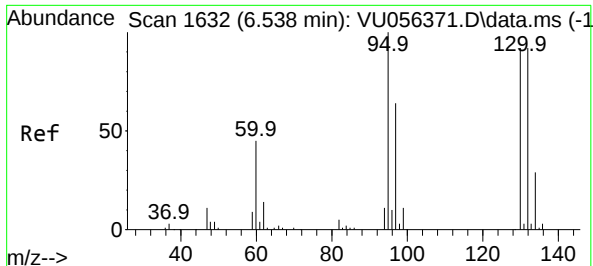
Tgt Ion:117 Resp: 7937

Ion Ratio Lower Upper

117 100

119 93.5 78.1 117.1





#34

Trichloroethene

Concen: 2.984 ug/L

RT: 6.537 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU056382.D

Acq: 16 Nov 2023 02:57

Instrument :

MSVOA\_U

ClientSampleId :

Tgt Ion: 95 Resp: 61870

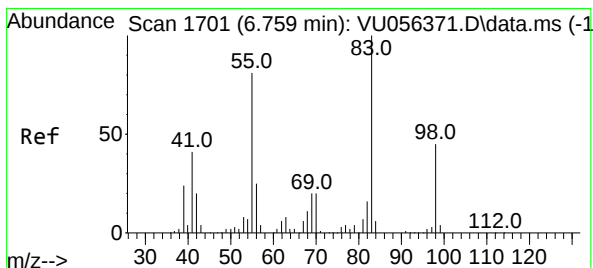
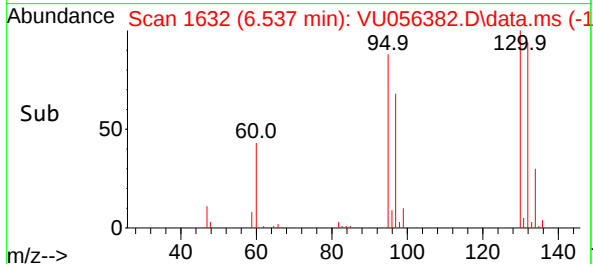
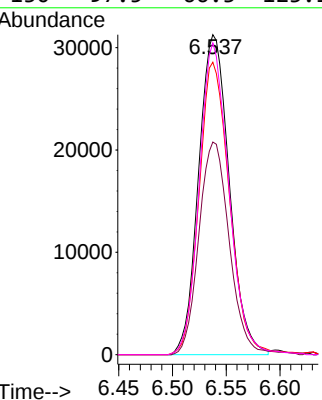
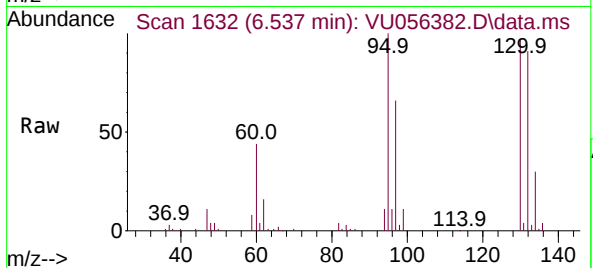
Ion Ratio Lower Upper

95 100

97 66.4 46.5 86.3

132 91.4 62.0 115.2

130 97.5 66.3 123.1



#35

Methylcyclohexane

Concen: 0.985 ug/L

RT: 6.682 min Scan# 1677

Delta R.T. -0.077 min

Lab File: VU056382.D

Acq: 16 Nov 2023 02:57

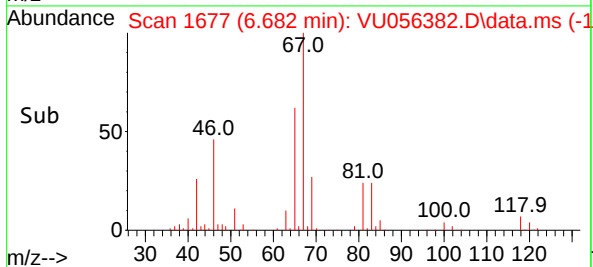
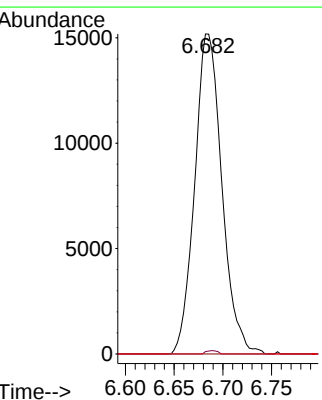
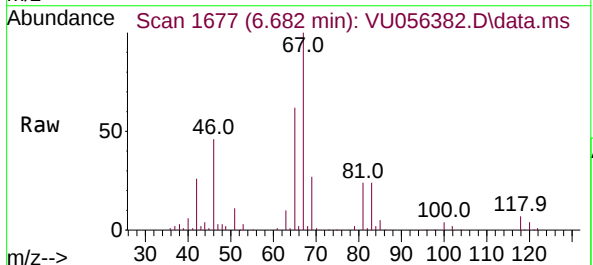
Tgt Ion: 83 Resp: 29480

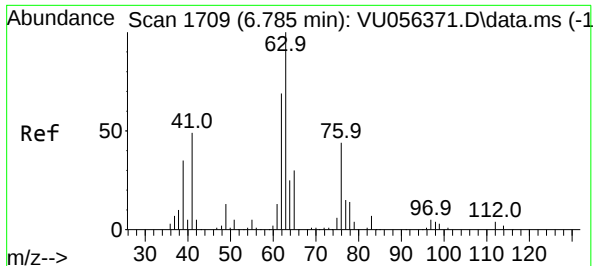
Ion Ratio Lower Upper

83 100

55 0.4 62.9 94.3#

98 0.9 35.3 52.9#





#37

1,2-Dichloropropane

Concen: 0.677 ug/L

RT: 6.689 min Scan# 1

Delta R.T. -0.097 min

Lab File: VU056382.D

Acq: 16 Nov 2023 02:57

Instrument :

MSVOA\_U

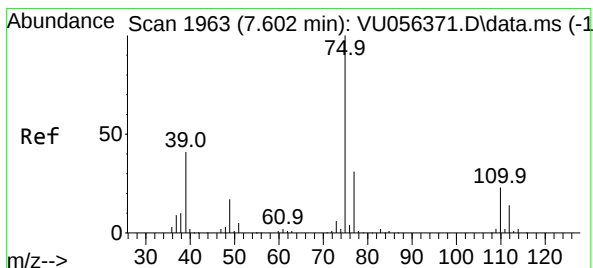
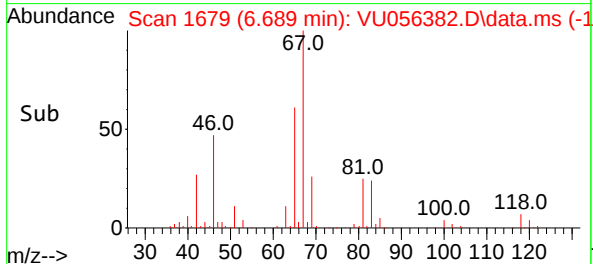
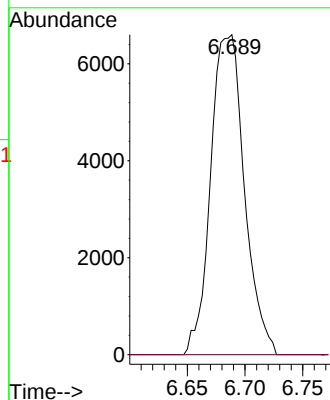
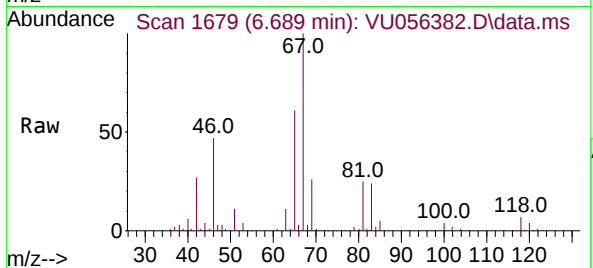
ClientSampleId :

Tgt Ion: 63 Resp: 13432

Ion Ratio Lower Upper

63 100

112 0.2 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.110 ug/L

RT: 7.566 min Scan# 1952

Delta R.T. -0.035 min

Lab File: VU056382.D

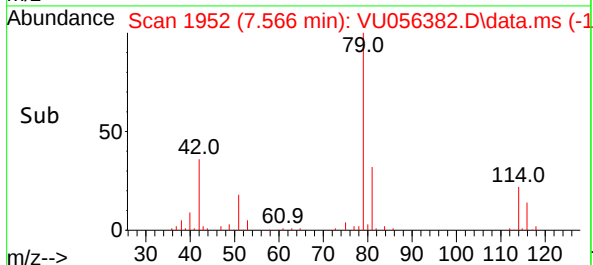
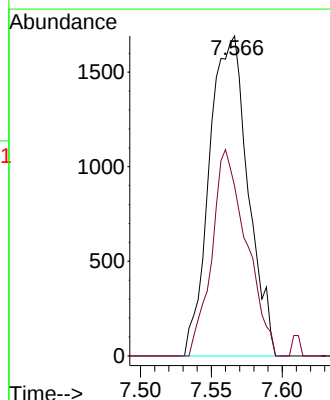
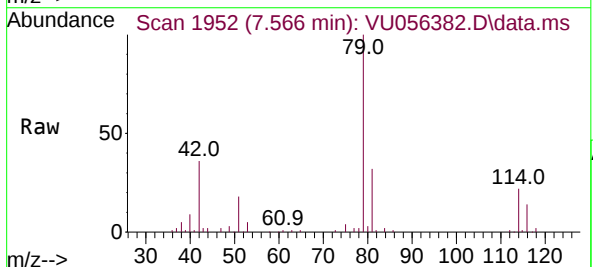
Acq: 16 Nov 2023 02:57

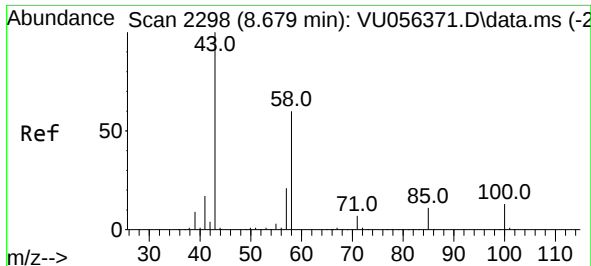
Tgt Ion: 75 Resp: 3213

Ion Ratio Lower Upper

75 100

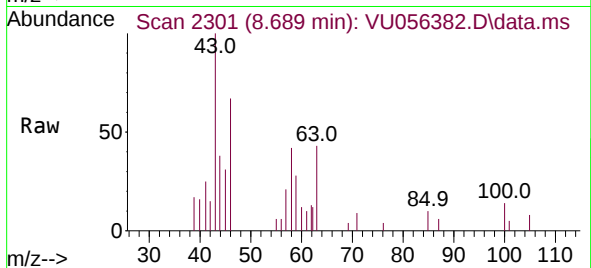
77 53.0 21.5 39.9#



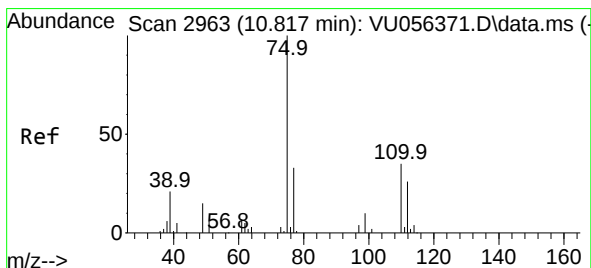
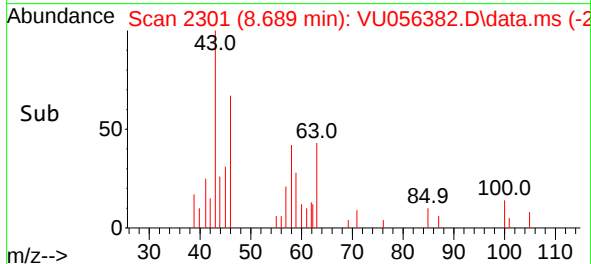
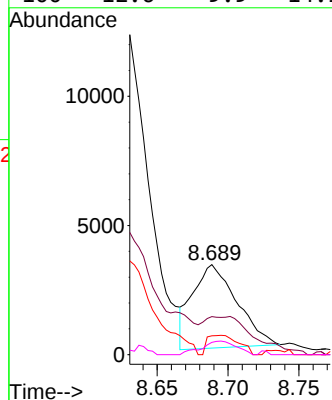


#48  
2-Hexanone  
Concen: 0.921 ug/L  
RT: 8.689 min Scan# 21  
Delta R.T. 0.010 min  
Lab File: VU056382.D  
Acq: 16 Nov 2023 02:57

Instrument :  
MSVOA\_U  
ClientSampleId :



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 7060  |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 58        | 0.0   | 48.7  | 73.1# |
| 57        | 16.3  | 16.8  | 25.2# |
| 100       | 12.6  | 9.9   | 14.9  |



#61  
1,2,3-Trichloropropane  
Concen: 1.397 ug/L  
RT: 11.804 min Scan# 3270  
Delta R.T. 0.987 min  
Lab File: VU056382.D  
Acq: 16 Nov 2023 02:57

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 14211 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 2.7   | 30.4  | 45.6# |
| 77        | 34.0  | 27.0  | 40.6  |

