

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU111523\  
 Data File : VU056383.D  
 Acq On : 16 Nov 2023 03:21  
 Operator : MD/SY  
 Sample : 05411-10  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Nov 16 06:15:47 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

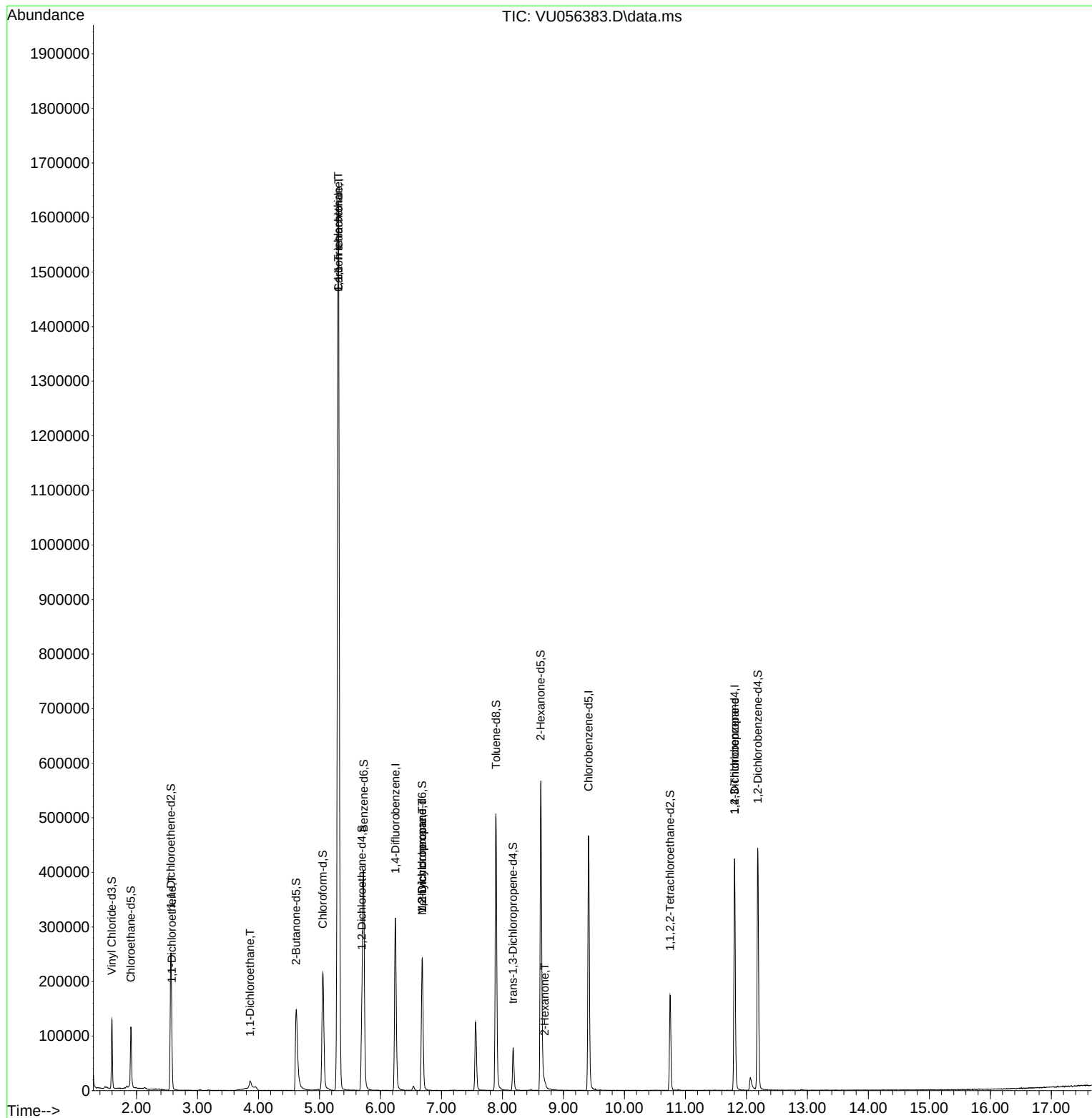
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114   | 260448   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 271438   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 111372   | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.595  | 65    | 92479    | 4.747    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 95.000%  |
| 7) Chloroethane-d5            | 1.907  | 69    | 80975    | 5.421    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 108.400% |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65    | 46589    | 5.419    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 108.400% |
| 20) 2-Butanone-d5             | 4.618  | 46    | 237277   | 61.084   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 122.160% |
| 24) Chloroform-d              | 5.055  | 84    | 209271   | 5.554    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 111.000% |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 98854    | 5.678    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 113.600% |
| 32) Benzene-d6                | 5.724  | 84    | 392094   | 4.848    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 97.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.685  | 67    | 120697   | 4.952    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 99.000%  |
| 41) Toluene-d8                | 7.894  | 98    | 354182   | 4.960    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 99.200%  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 46988    | 5.027    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 100.600% |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 196574   | 53.511   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 107.020% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749 | 84    | 87191    | 5.006    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 100.200% |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 116372   | 5.656    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 113.200% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 12) 1,1-Dichloroethene        | 2.579  | 96    | 13150    | 0.825    | ug/L # | 1        |
| 19) 1,1-Dichloroethane        | 3.862  | 63    | 15144    | 0.466    | ug/L   | 97       |
| 29) 1,1,1-Trichloroethane     | 5.309  | 97    | 1228282  | 39.421   | ug/L   | 99       |
| 31) Carbon tetrachloride      | 5.312  | 117   | 149889   | 5.601    | ug/L   | 100      |
| 35) Methylcyclohexane         | 6.682  | 83    | 28536    | 0.937    | ug/L # | 19       |
| 37) 1,2-Dichloropropane       | 6.685  | 63    | 13576    | 0.672    | ug/L # | 88       |
| 48) 2-Hexanone                | 8.692  | 43    | 7345     | 0.942    | ug/L # | 93       |
| 61) 1,2,3-Trichloropropane    | 11.807 | 75    | 14196    | 1.486    | ug/L # | 68       |
| -----                         |        |       |          |          |        |          |

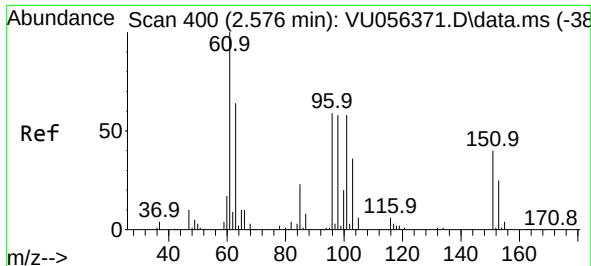
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.825 ug/L

RT: 2.579 min Scan# 401

Delta R.T. 0.003 min

Lab File: VU056383.D

Acq: 16 Nov 2023 03:21

Instrument :

MSVOA\_U

ClientSampleId :

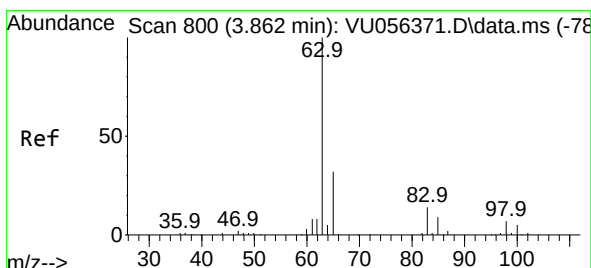
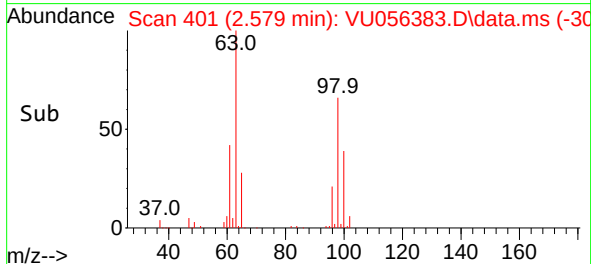
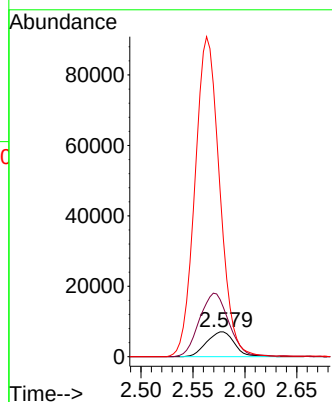
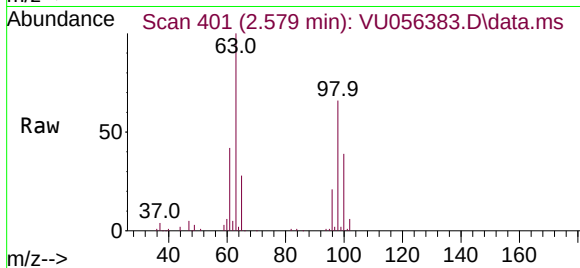
Tgt Ion: 96 Resp: 13150

Ion Ratio Lower Upper

96 100

61 198.2 123.1 228.7

63 472.5 93.3 173.3#



#19

1,1-Dichloroethane

Concen: 0.466 ug/L

RT: 3.862 min Scan# 800

Delta R.T. -0.000 min

Lab File: VU056383.D

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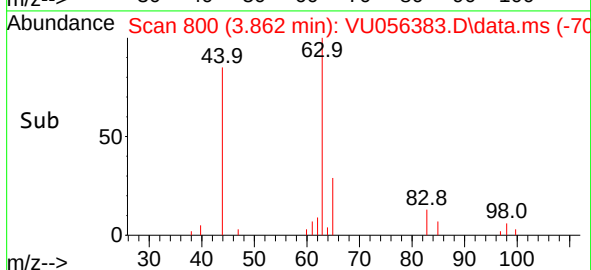
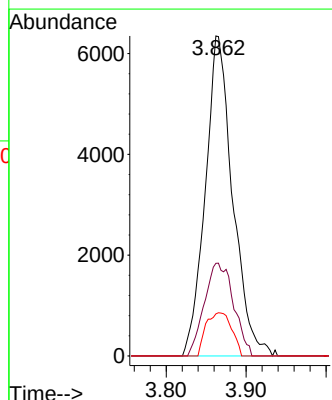
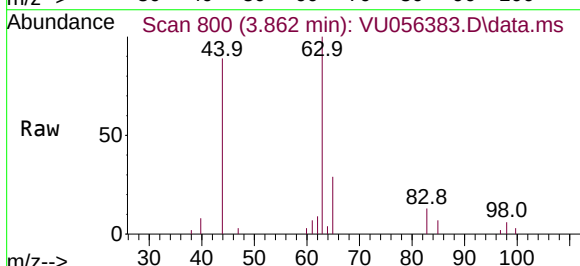
Tgt Ion: 63 Resp: 15144

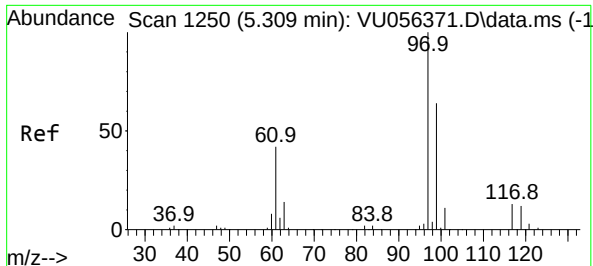
Ion Ratio Lower Upper

63 100

65 28.9 21.8 40.6

83 13.1 9.7 17.9





#29

1,1,1-Trichloroethane

Concen: 39.421 ug/L

RT: 5.309 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU056383.D

Acq: 16 Nov 2023 03:21

Instrument :

MSVOA\_U

ClientSampleId :

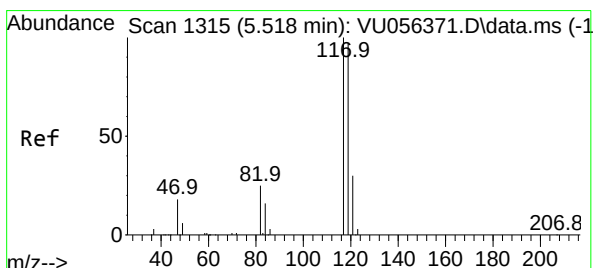
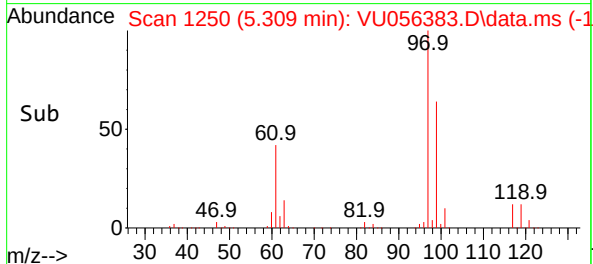
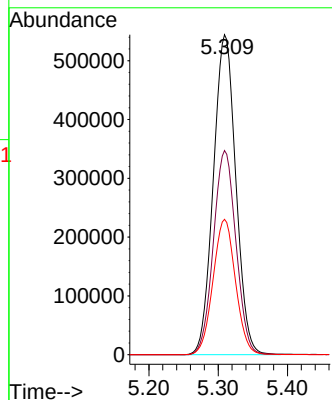
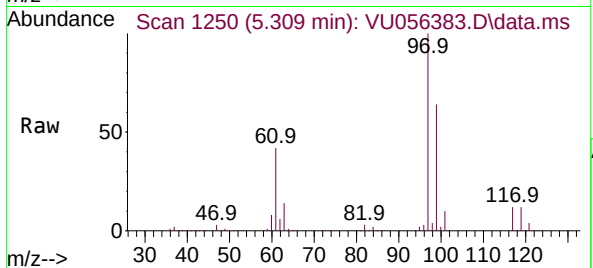
Tgt Ion: 97 Resp: 1228282

Ion Ratio Lower Upper

97 100

99 64.1 51.6 77.4

61 42.3 34.3 51.5



#31

Carbon tetrachloride

Concen: 5.601 ug/L

RT: 5.312 min Scan# 1251

Delta R.T. -0.206 min

Lab File: VU056383.D

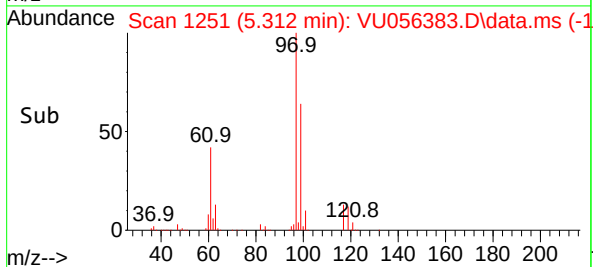
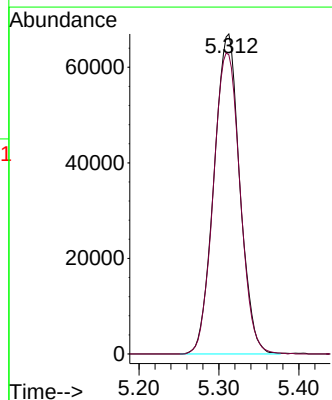
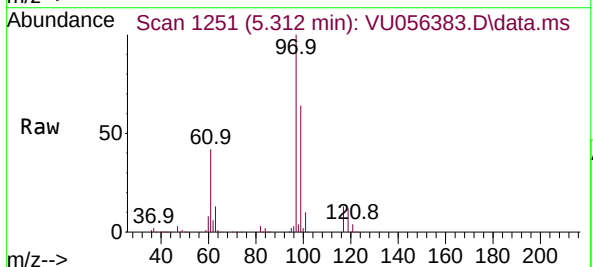
Acq: 16 Nov 2023 03:21

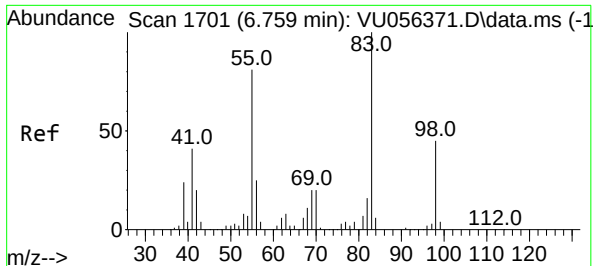
Tgt Ion: 117 Resp: 149889

Ion Ratio Lower Upper

117 100

119 97.2 78.1 117.1





#35

Methylcyclohexane

Concen: 0.937 ug/L

RT: 6.682 min Scan# 1

Delta R.T. -0.077 min

Lab File: VU056383.D

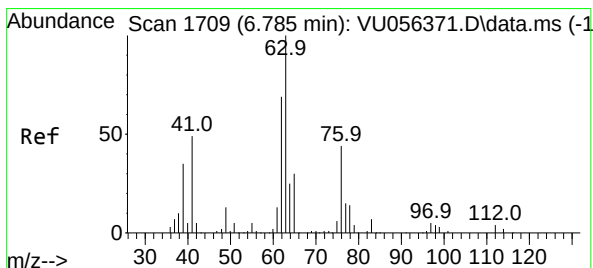
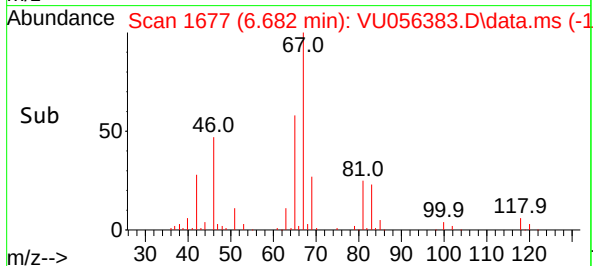
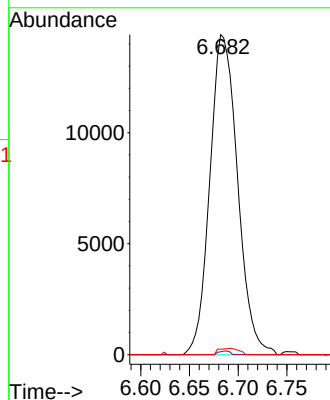
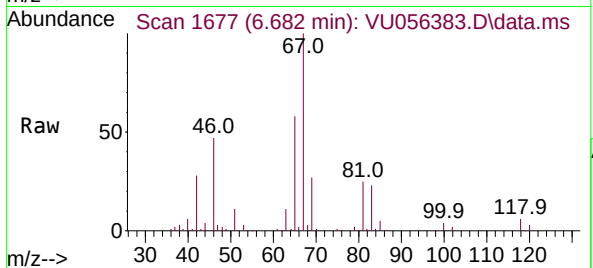
Acq: 16 Nov 2023 03:21

Instrument :

MSVOA\_U

ClientSampleId :

|             |             |
|-------------|-------------|
| Tgt Ion: 83 | Resp: 28536 |
| Ion Ratio   | Lower Upper |
| 83 100      |             |
| 55 0.5      | 62.9 94.3#  |
| 98 1.4      | 35.3 52.9#  |



#37

1,2-Dichloropropane

Concen: 0.672 ug/L

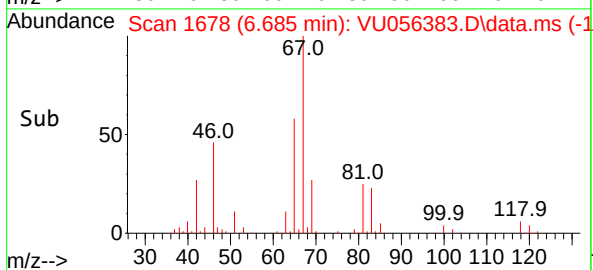
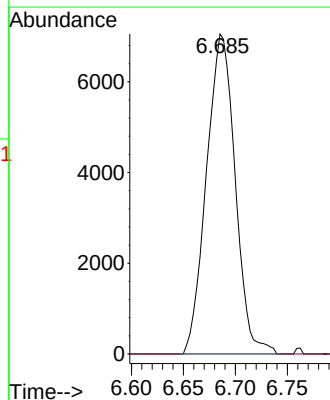
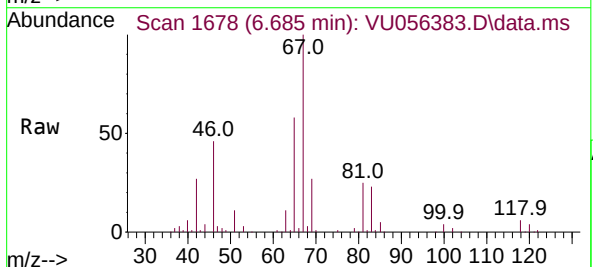
RT: 6.685 min Scan# 1678

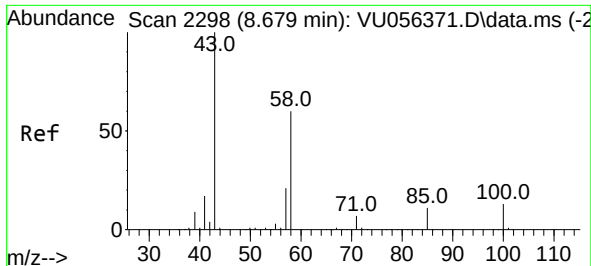
Delta R.T. -0.100 min

Lab File: VU056383.D

Acq: 16 Nov 2023 03:21

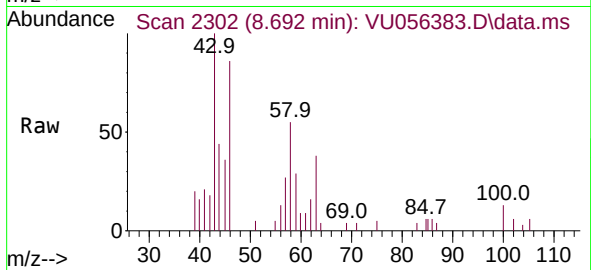
|             |             |
|-------------|-------------|
| Tgt Ion: 63 | Resp: 13576 |
| Ion Ratio   | Lower Upper |
| 63 100      |             |
| 112 0.2     | 3.2 4.8#    |



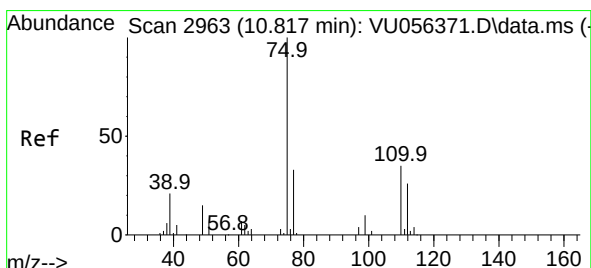
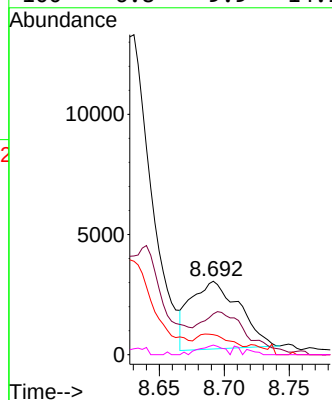
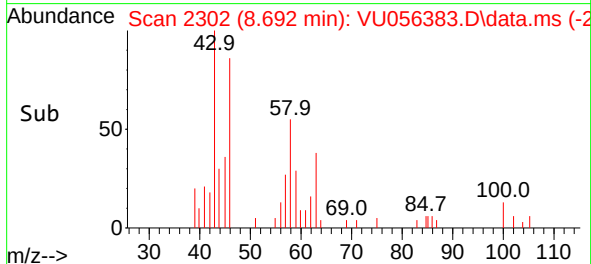


#48  
2-Hexanone  
Concen: 0.942 ug/L  
RT: 8.692 min Scan# 21  
Delta R.T. 0.013 min  
Lab File: VU056383.D  
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Instrument :  
MSVOA\_U  
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Tgt Ion: 43 Resp: 7345  
Ion Ratio Lower Upper  
43 100  
58 54.5 48.7 73.1  
57 21.2 16.8 25.2  
100 6.8 9.9 14.9#



#61  
1,2,3-Trichloropropane  
Concen: 1.486 ug/L  
RT: 11.807 min Scan# 3271  
Delta R.T. 0.990 min  
Lab File: VU056383.D  
Acq: 16 Nov 2023 03:21

Tgt Ion: 75 Resp: 14196  
Ion Ratio Lower Upper  
75 100  
110 3.4 30.4 45.6#  
77 31.4 27.0 40.6

