

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU092823\  
 Data File : VU055581.D  
 Acq On : 28 Sep 2023 16:24  
 Operator : MD/SY  
 Sample : 04530-16DL 10X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Sep 29 02:13:56 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR091923WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Sep 27 23:33:30 2023  
 Response via : Initial Calibration

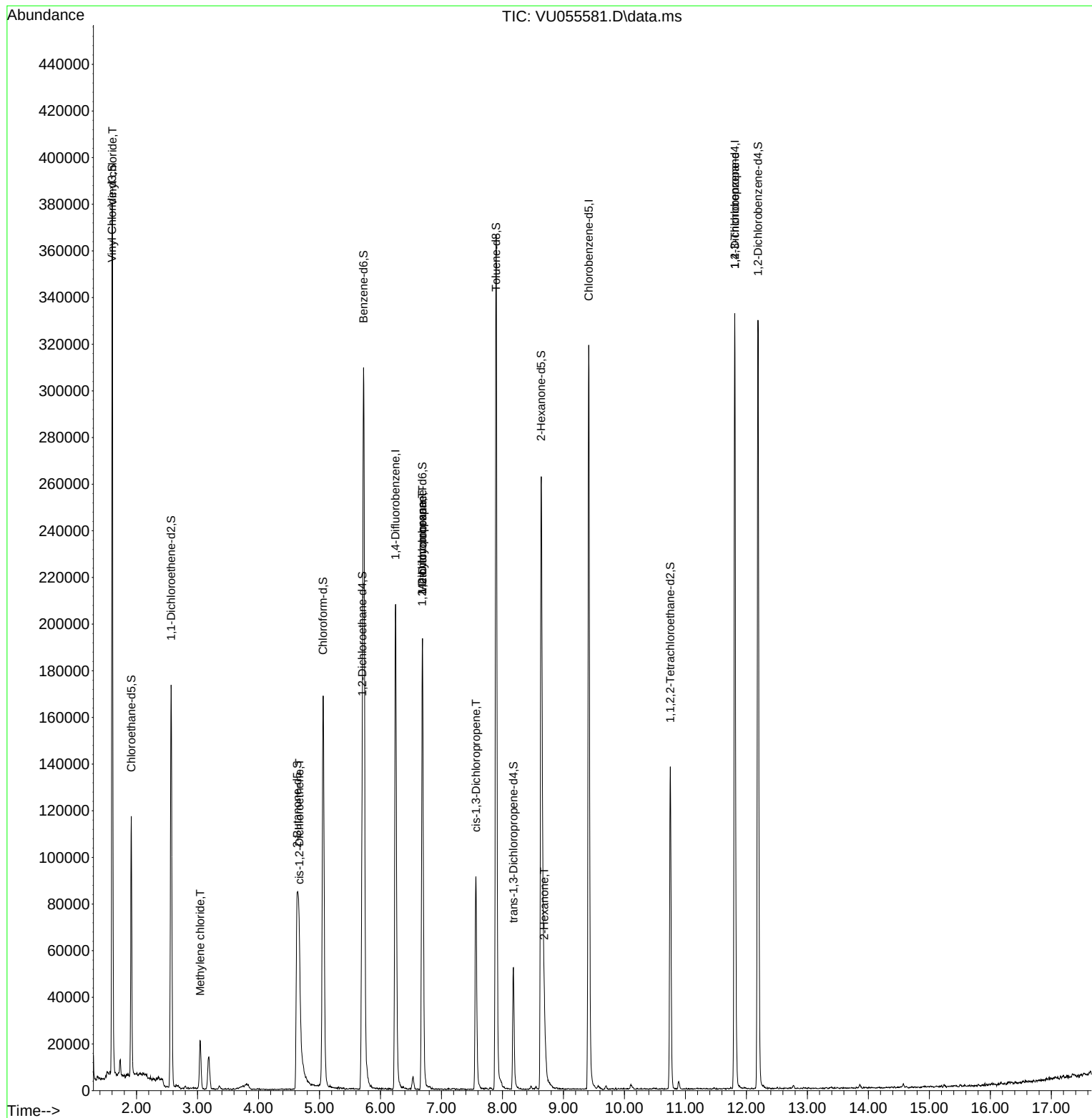
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.248  | 114   | 176803   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.415  | 117   | 184609   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.811 | 152   | 90441    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.599  | 65    | 85067    | 4.760    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 95.200%  |
| 7) Chloroethane-d5            | 1.914  | 69    | 77606    | 4.928    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 98.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.567  | 65    | 32724    | 4.449    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 89.000%  |
| 20) 2-Butanone-d5             | 4.634  | 46    | 158168   | 49.005   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 98.000%  |
| 24) Chloroform-d              | 5.058  | 84    | 159280   | 4.928    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 98.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.702  | 65    | 77003    | 4.953    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 99.000%  |
| 32) Benzene-d6                | 5.724  | 84    | 302491   | 4.685    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 93.600%  |
| 36) 1,2-Dichloropropane-d6    | 6.689  | 67    | 96332    | 4.993    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 99.800%  |
| 41) Toluene-d8                | 7.898  | 98    | 250848   | 4.262    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 85.200%  |
| 43) trans-1,3-Dichloroprop... | 8.181  | 79    | 31295    | 4.622    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 92.400%  |
| 46) 2-Hexanone-d5             | 8.634  | 63    | 86308    | 41.909   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 83.820%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753 | 84    | 70662    | 4.887    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 97.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152   | 87753    | 4.807    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 96.200%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 5) Vinyl chloride             | 1.605  | 62    | 186569   | 11.420   | ug/L   | 99       |
| 16) Methylene chloride        | 3.042  | 84    | 10296    | 0.695    | ug/L   | 98       |
| 22) cis-1,2-Dichloroethene    | 4.669  | 96    | 14422    | 0.998    | ug/L   | 93       |
| 35) Methylcyclohexane         | 6.689  | 83    | 22100    | 1.021    | ug/L # | 20       |
| 37) 1,2-Dichloropropane       | 6.685  | 63    | 10192    | 0.733    | ug/L # | 90       |
| 39) cis-1,3-Dichloropropene   | 7.566  | 75    | 2701     | 0.146    | ug/L # | 67       |
| 48) 2-Hexanone                | 8.685  | 43    | 16937    | 3.467    | ug/L # | 83       |
| 61) 1,2,3-Trichloropropane    | 11.811 | 75    | 12061    | 1.708    | ug/L # | 67       |
| -----                         |        |       |          |          |        |          |

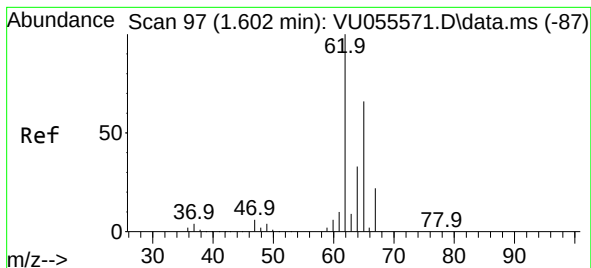
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 11.420 ug/L

RT: 1.605 min Scan# 97

Delta R.T. 0.003 min

Lab File: VU055581.D

Acq: 28 Sep 2023 16:24

Instrument :

MSVOA\_U

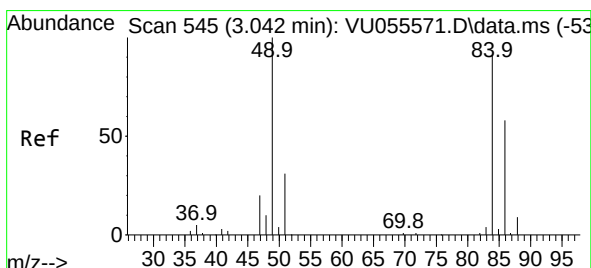
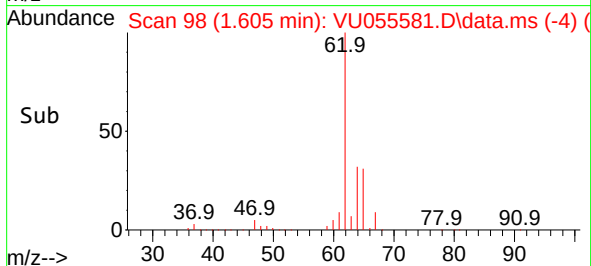
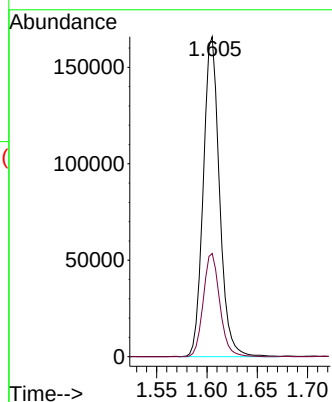
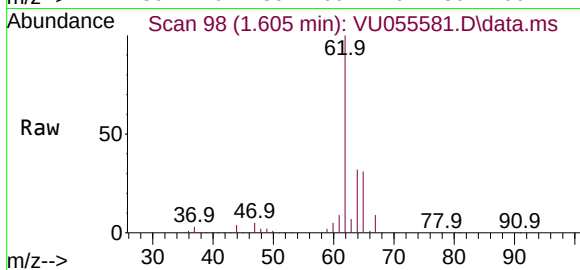
ClientSampleId :

Tgt Ion: 62 Resp: 186569

Ion Ratio Lower Upper

62 100

64 32.3 22.3 41.5



#16

Methylene chloride

Concen: 0.695 ug/L

RT: 3.042 min Scan# 545

Delta R.T. -0.000 min

Lab File: VU055581.D

Acq: 28 Sep 2023 16:24

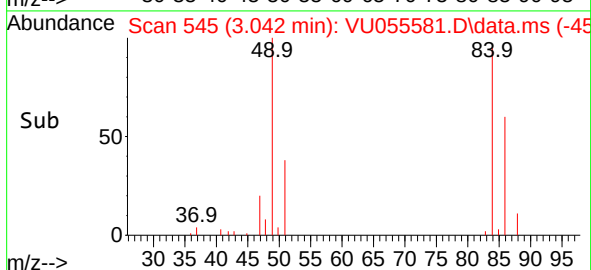
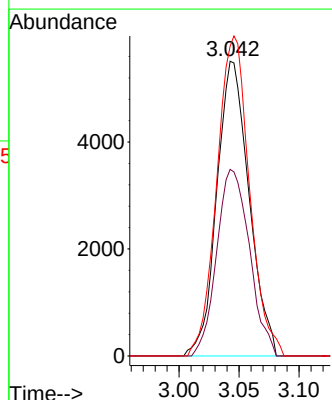
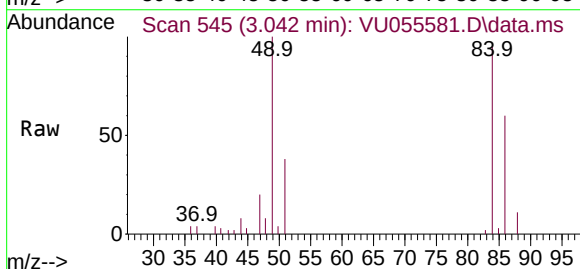
Tgt Ion: 84 Resp: 10296

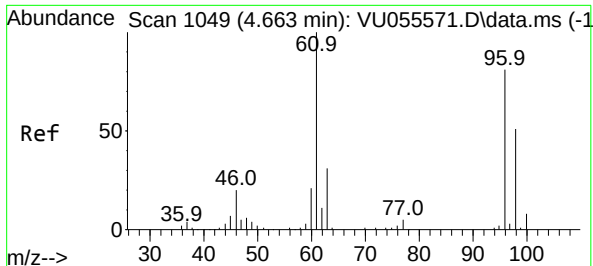
Ion Ratio Lower Upper

84 100

86 63.3 44.9 83.3

49 109.5 78.8 146.3





#22

cis-1,2-Dichloroethene

Concen: 0.998 ug/L

RT: 4.669 min Scan# 1049

Delta R.T. 0.006 min

Lab File: VU055581.D

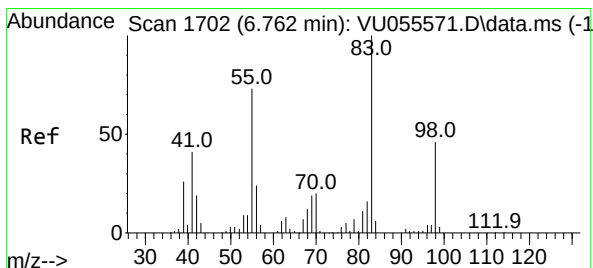
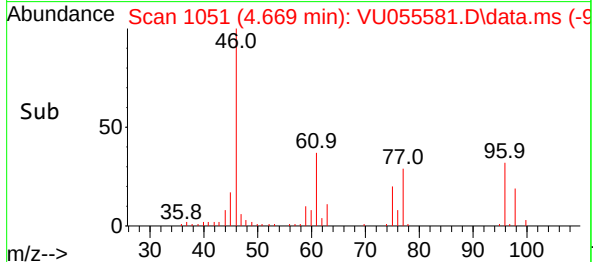
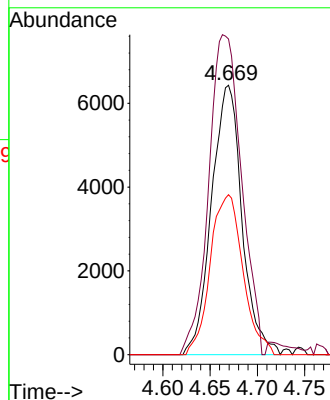
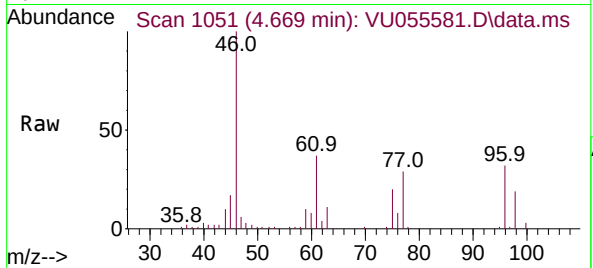
Acq: 28 Sep 2023 16:24

Instrument :

MSVOA\_U

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 14422 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 117.2 | 87.8  | 163.2 |
| 98       | 59.4  | 44.4  | 82.4  |



#35

Methylcyclohexane

Concen: 1.021 ug/L

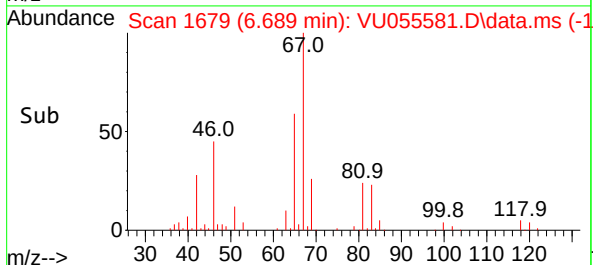
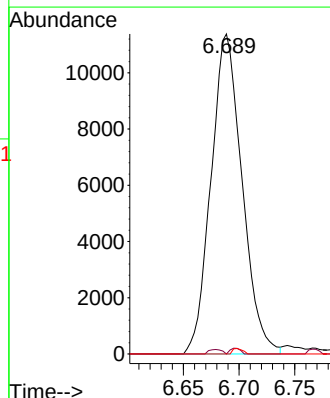
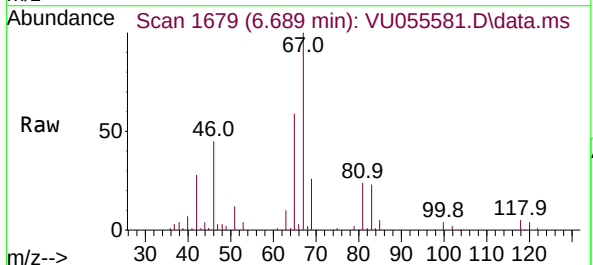
RT: 6.689 min Scan# 1679

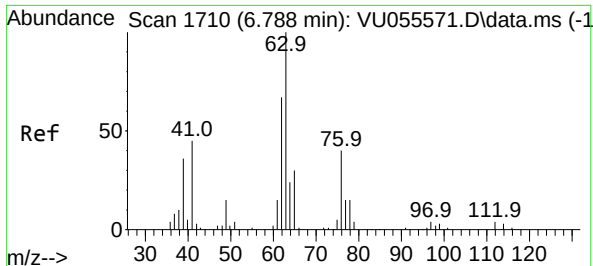
Delta R.T. -0.071 min

Lab File: VU055581.D

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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 22100 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 0.6   | 59.1  | 88.7# |
| 98       | 0.5   | 36.3  | 54.5# |





#37

1,2-Dichloropropane

Concen: 0.733 ug/L

RT: 6.685 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU055581.D

Acq: 28 Sep 2023 16:24

Instrument :

MSVOA\_U

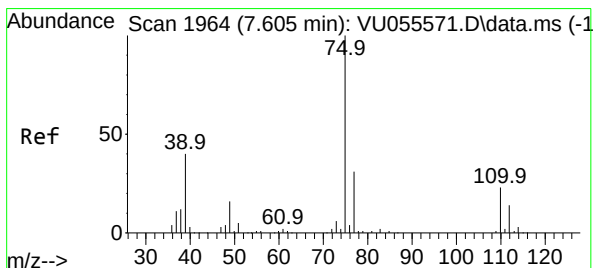
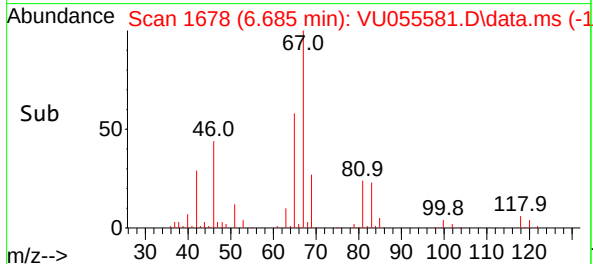
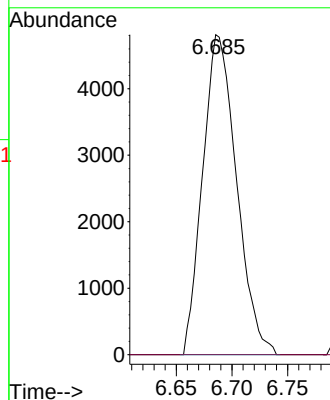
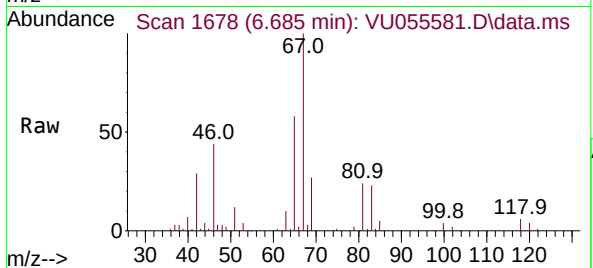
ClientSampleId :

Tgt Ion: 63 Resp: 10192

Ion Ratio Lower Upper

63 100

112 0.5 3.0 4.6#



#39

cis-1,3-Dichloropropene

Concen: 0.146 ug/L

RT: 7.566 min Scan# 1952

Delta R.T. -0.039 min

Lab File: VU055581.D

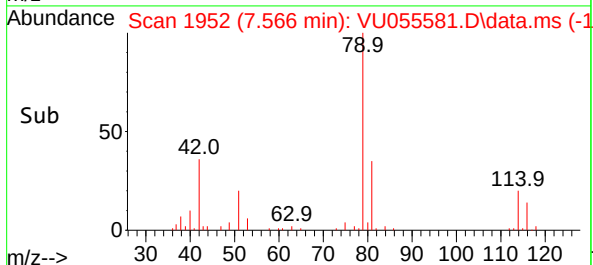
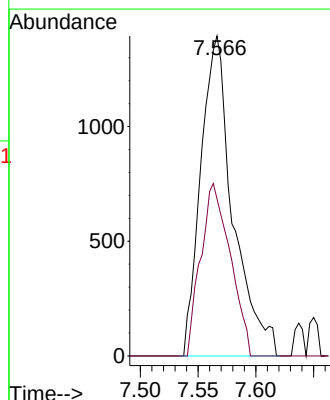
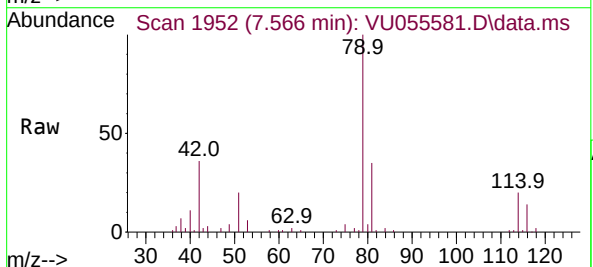
Acq: 28 Sep 2023 16:24

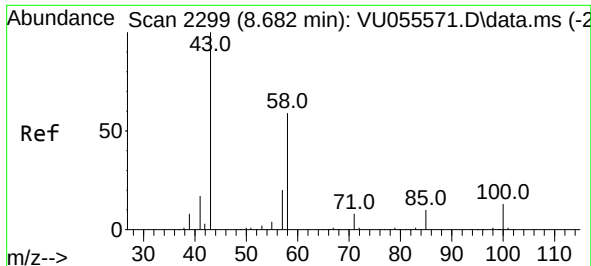
Tgt Ion: 75 Resp: 2701

Ion Ratio Lower Upper

75 100

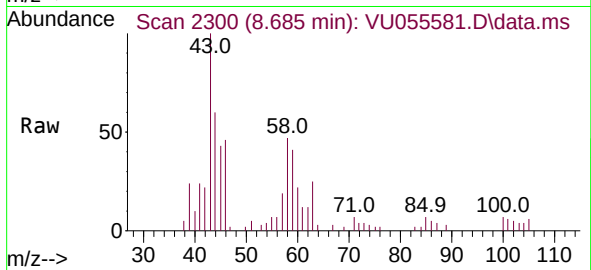
77 49.1 21.6 40.2#



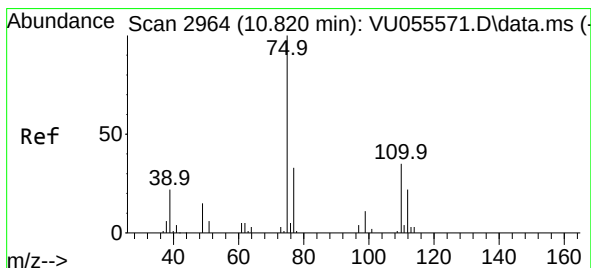
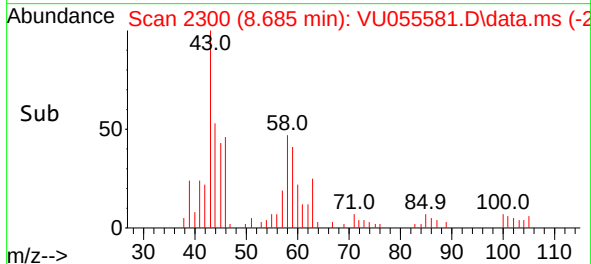
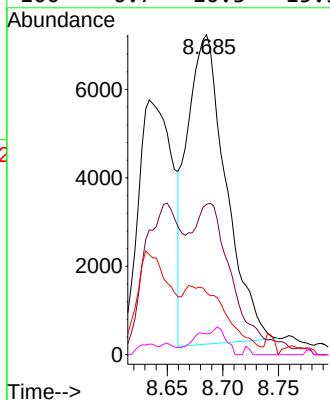


#48  
2-Hexanone  
Concen: 3.467 ug/L  
RT: 8.685 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU055581.D  
Acq: 28 Sep 2023 16:24

Instrument :  
MSVOA\_U  
ClientSampleId :



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 16937 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 58        | 43.2  | 48.5  | 72.7# |
| 57        | 22.4  | 17.0  | 25.4  |
| 100       | 6.7   | 10.3  | 15.5# |



#61  
1,2,3-Trichloropropane  
Concen: 1.708 ug/L  
RT: 11.811 min Scan# 3272  
Delta R.T. 0.990 min  
Lab File: VU055581.D  
Acq: 28 Sep 2023 16:24

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 12061 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 2.5   | 30.6  | 45.8# |
| 77        | 31.1  | 26.7  | 40.1  |

