

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU090623\  
 Data File : VU055143.D  
 Acq On : 06 Sep 2023 16:21  
 Operator : MD/SY  
 Sample : 04250-19DL 400X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Sep 06 20:41:46 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR090123WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Sep 06 05:03:37 2023  
 Response via : Initial Calibration

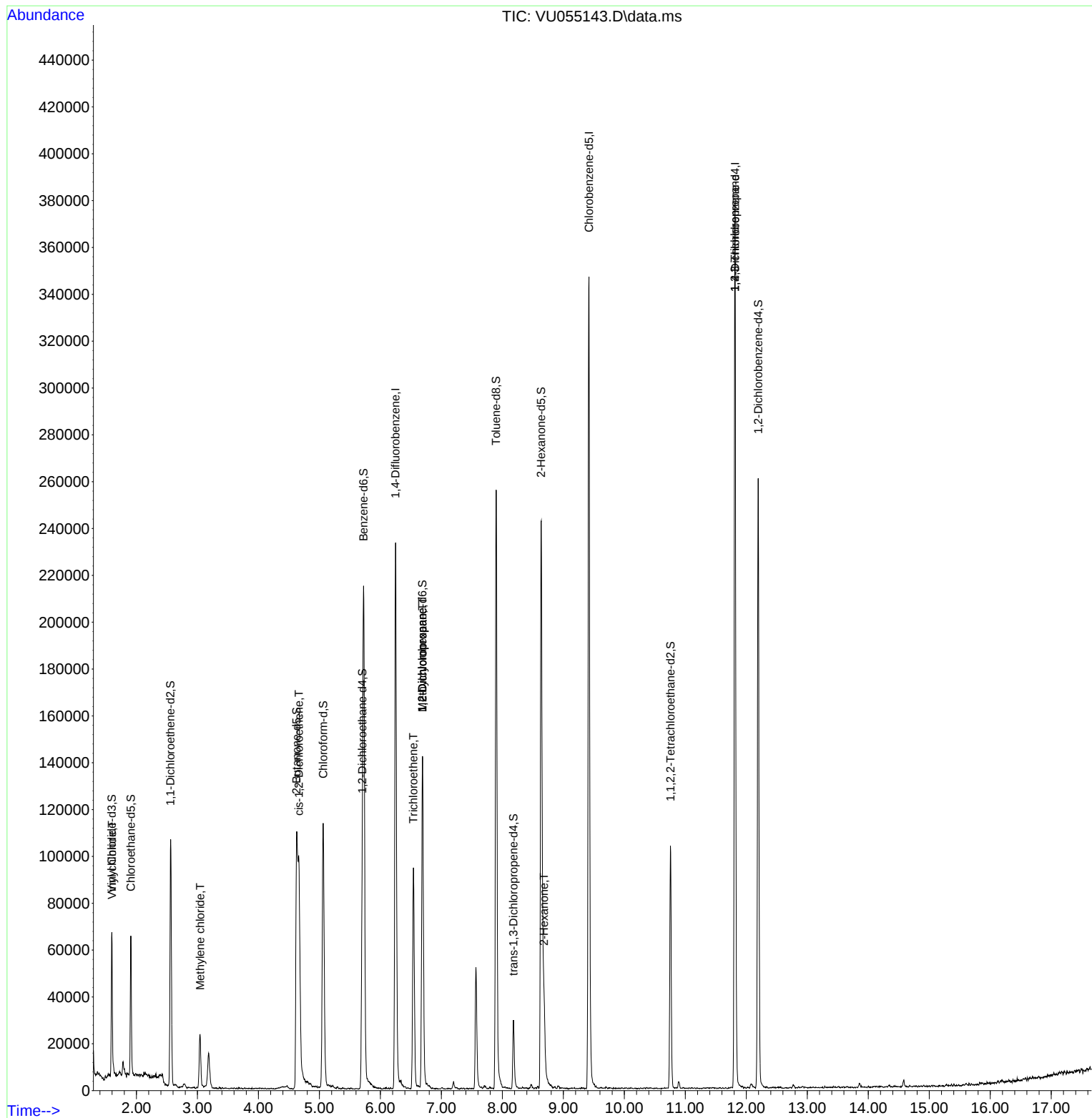
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.248  | 114   | 181857   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.418  | 117   | 190949   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.814 | 152   | 94569    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.592  | 65    | 32274    | 3.787    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 75.800%  |
| 7) Chloroethane-d5            | 1.907  | 69    | 40072    | 4.062    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 81.200%  |
| 11) 1,1-Dichloroethene-d2     | 2.557  | 65    | 19891    | 4.096    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 82.000%  |
| 20) 2-Butanone-d5             | 4.624  | 46    | 128865   | 52.100   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 104.200% |
| 24) Chloroform-d              | 5.062  | 84    | 103145   | 4.560    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 91.200%  |
| 26) 1,2-Dichloroethane-d4     | 5.702  | 65    | 54459    | 4.813    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 96.200%  |
| 32) Benzene-d6                | 5.724  | 84    | 197413   | 4.188    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 83.800%  |
| 36) 1,2-Dichloropropane-d6    | 6.689  | 67    | 67183    | 4.481    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 89.600%  |
| 41) Toluene-d8                | 7.898  | 98    | 175240   | 4.036    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 80.800%  |
| 43) trans-1,3-Dichloroprop... | 8.181  | 79    | 17188    | 4.163    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 83.200%  |
| 46) 2-Hexanone-d5             | 8.634  | 63    | 78039    | 46.561   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 93.120%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.756 | 84    | 51036    | 4.841    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 96.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.193 | 152   | 64747    | 4.691    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 93.800%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 5) Vinyl chloride             | 1.599  | 62    | 13791    | 1.215    | ug/L   | 99       |
| 16) Methylene chloride        | 3.042  | 84    | 9825     | 0.765    | ug/L   | 95       |
| 22) cis-1,2-Dichloroethene    | 4.663  | 96    | 37206    | 3.563    | ug/L   | 99       |
| 34) Trichloroethene           | 6.541  | 95    | 31772    | 2.813    | ug/L   | 95       |
| 35) Methylcyclohexane         | 6.689  | 83    | 15344    | 0.968    | ug/L # | 22       |
| 37) 1,2-Dichloropropane       | 6.689  | 63    | 7994     | 0.722    | ug/L # | 88       |
| 48) 2-Hexanone                | 8.682  | 43    | 15334    | 3.102    | ug/L # | 48       |
| 61) 1,2,3-Trichloropropane    | 11.811 | 75    | 13429    | 2.140    | ug/L # | 68       |
| -----                         |        |       |          |          |        |          |

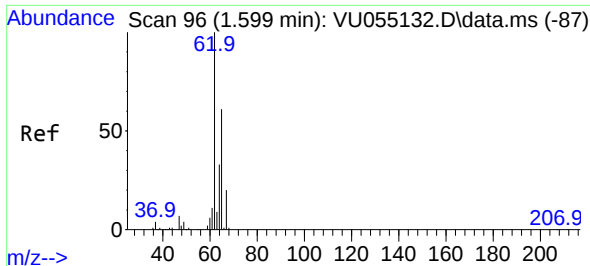
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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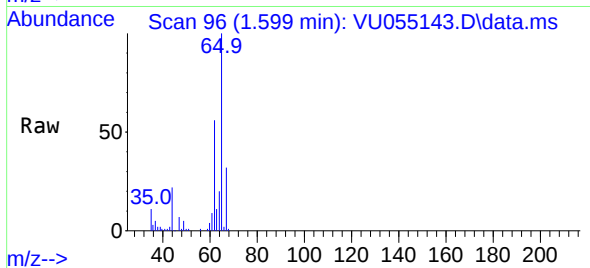
Quant Time: Sep 06 20:41:46 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR090123WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Wed Sep 06 05:03:37 2023  
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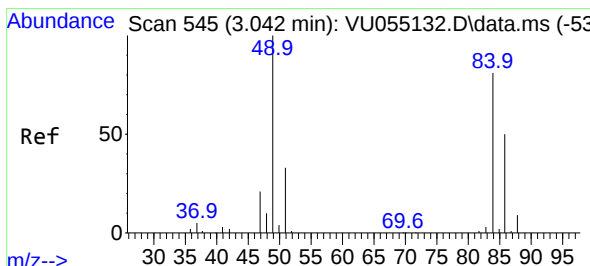
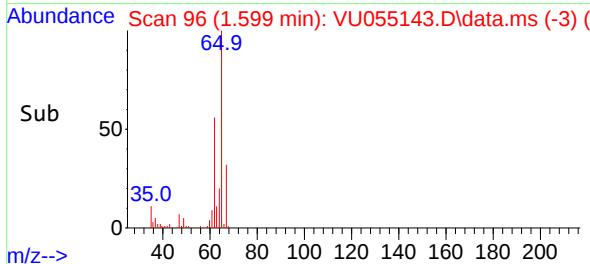
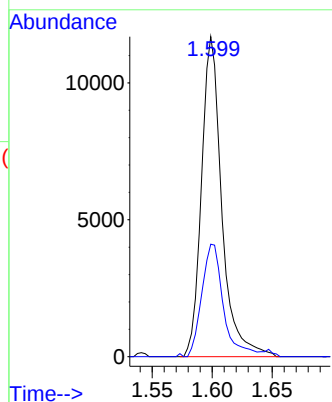
#5  
 Vinyl chloride  
 Concen: 1.215 ug/L  
 RT: 1.599 min Scan# 96  
 Delta R.T. 0.000 min  
 Lab File: VU055143.D  
 Acq: 06 Sep 2023 16:21

Instrument :  
 MSVOA\_U  
 ClientSampleId :



Tgt Ion: 62 Resp: 13791  

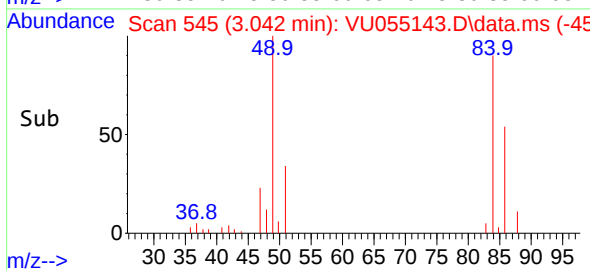
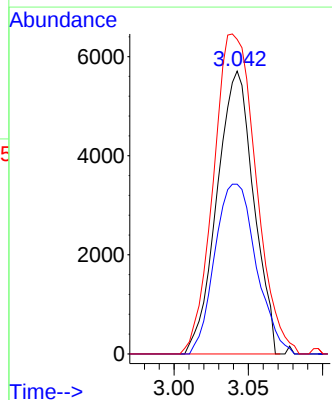
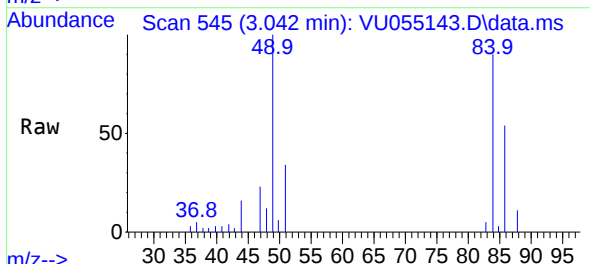
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 64  | 35.2  | 24.2  | 45.0  |

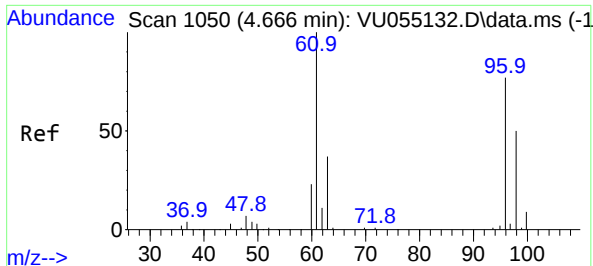


#16  
 Methylene chloride  
 Concen: 0.765 ug/L  
 RT: 3.042 min Scan# 545  
 Delta R.T. 0.003 min  
 Lab File: VU055143.D  
 Acq: 06 Sep 2023 16:21

Tgt Ion: 84 Resp: 9825  

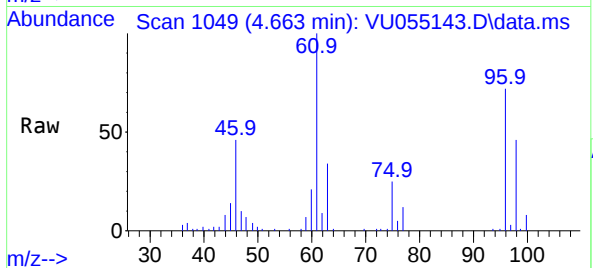
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 86  | 60.0  | 43.4  | 80.6  |
| 49  | 118.4 | 87.7  | 162.9 |



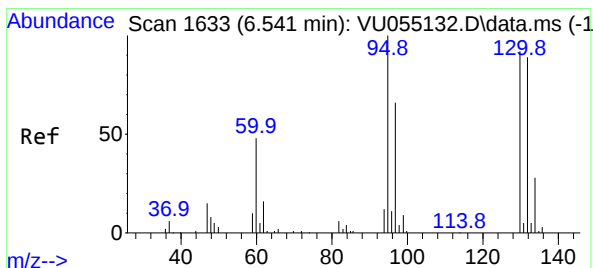
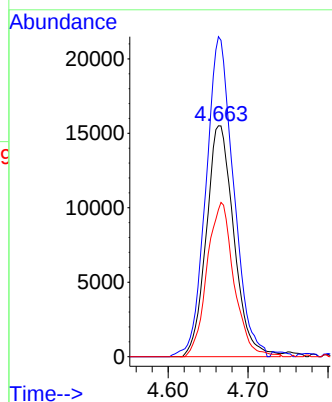
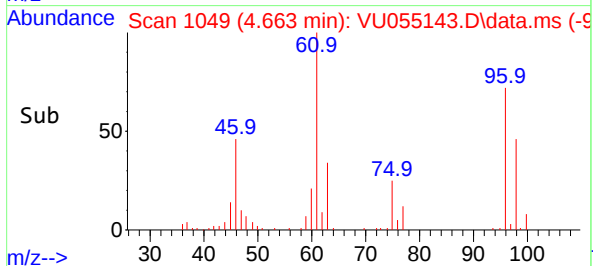


#22  
 cis-1,2-Dichloroethene  
 Concen: 3.563 ug/L  
 RT: 4.663 min Scan# 1050  
 Delta R.T. 0.000 min  
 Lab File: VU055143.D  
 Acq: 06 Sep 2023 16:21

Instrument :  
 MSVOA\_U  
 ClientSampleId :

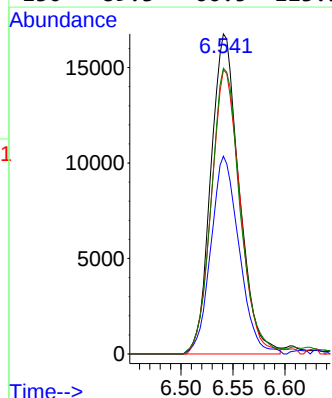
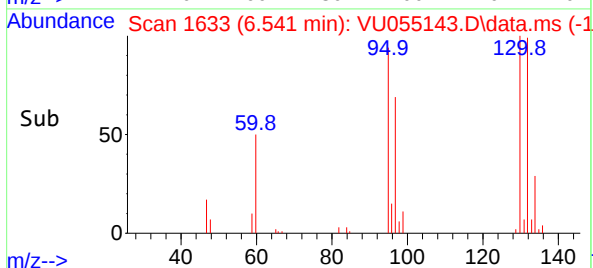
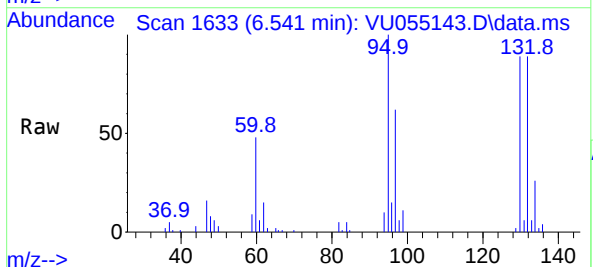


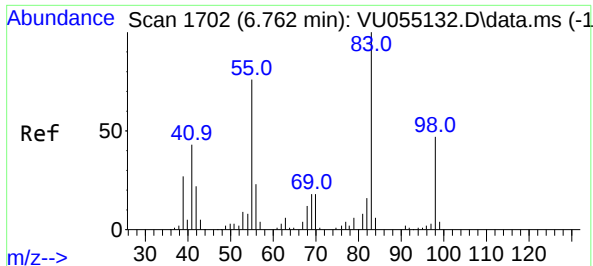
Tgt Ion: 96 Resp: 37206  
 Ion Ratio Lower Upper  
 96 100  
 61 138.6 97.2 180.4  
 98 64.9 46.1 85.7



#34  
 Trichloroethene  
 Concen: 2.813 ug/L  
 RT: 6.541 min Scan# 1633  
 Delta R.T. 0.000 min  
 Lab File: VU055143.D  
 Acq: 06 Sep 2023 16:21

Tgt Ion: 95 Resp: 31772  
 Ion Ratio Lower Upper  
 95 100  
 97 61.8 44.7 83.1  
 132 88.7 66.6 123.6  
 130 89.3 66.5 123.5





#35

Methylcyclohexane

Concen: 0.968 ug/L

RT: 6.689 min Scan# 1679

Delta R.T. -0.071 min

Lab File: VU055143.D

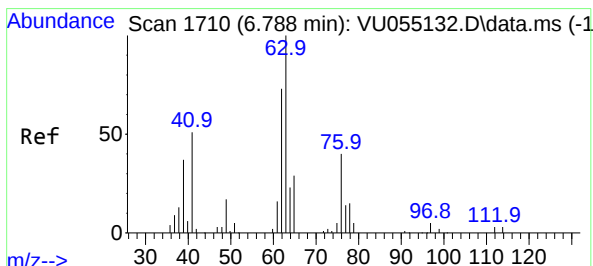
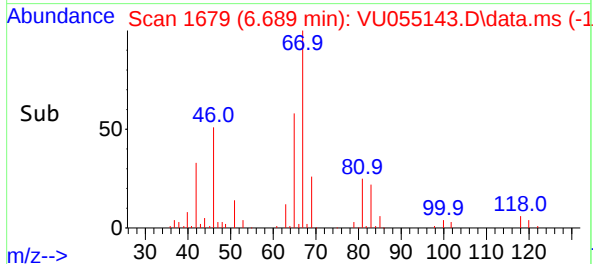
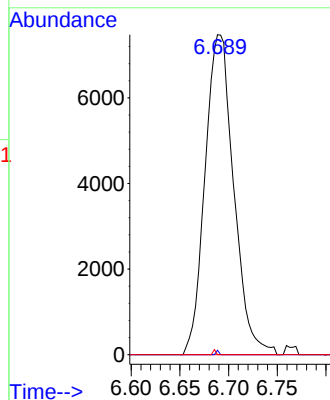
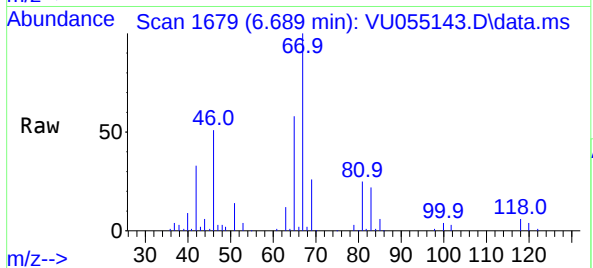
Acq: 06 Sep 2023 16:21

Instrument :

MSVOA\_U

ClientSampleId :

|             |             |
|-------------|-------------|
| Tgt Ion: 83 | Resp: 15344 |
| Ion Ratio   | Lower Upper |
| 83 100      |             |
| 55 0.1      | 60.4 90.6#  |
| 98 5.4      | 35.3 52.9#  |



#37

1,2-Dichloropropane

Concen: 0.722 ug/L

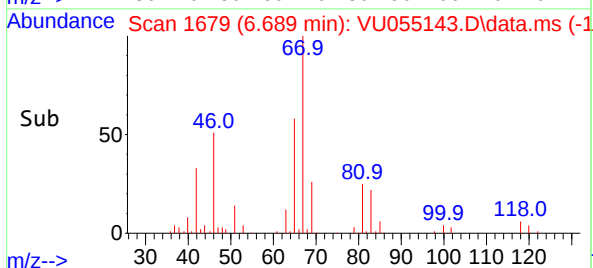
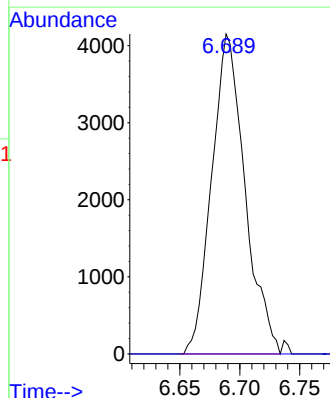
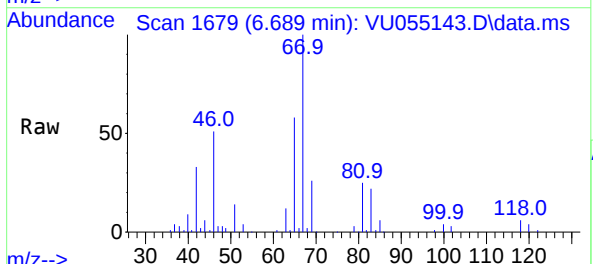
RT: 6.689 min Scan# 1679

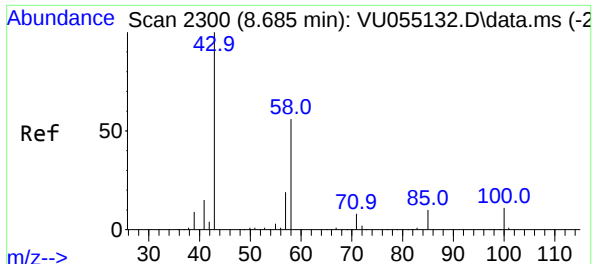
Delta R.T. -0.099 min

Lab File: VU055143.D

Acq: 06 Sep 2023 16:21

|             |             |
|-------------|-------------|
| Tgt Ion: 63 | Resp: 7994  |
| Ion Ratio   | Lower Upper |
| 63 100      |             |
| 112 0.0     | 3.2 4.8#    |





#48

2-Hexanone

Concen: 3.102 ug/L

RT: 8.682 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU055143.D

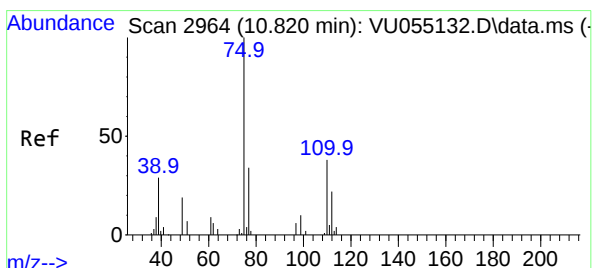
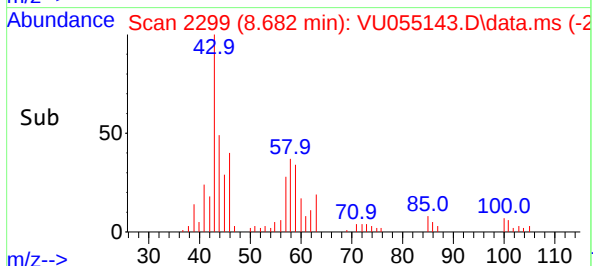
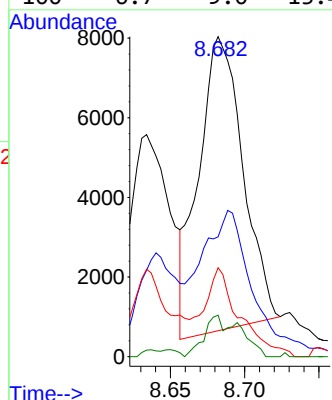
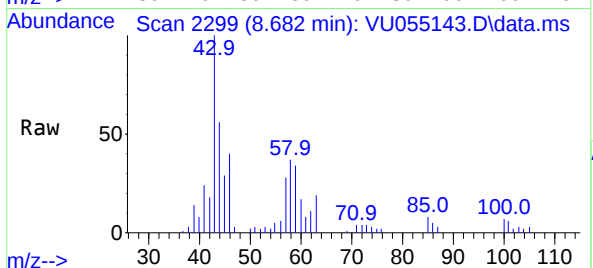
Acq: 06 Sep 2023 16:21

Instrument :

MSVOA\_U

ClientSampleId :

|             |                 |
|-------------|-----------------|
| Tgt Ion: 43 | Resp: 15334     |
| Ion Ratio   | Lower Upper     |
| 43          | 100             |
| 58          | 0.0 44.0 66.0#  |
| 57          | 24.6 16.2 24.2# |
| 100         | 6.7 9.0 13.4#   |



#61

1,2,3-Trichloropropane

Concen: 2.140 ug/L

RT: 11.811 min Scan# 3272

Delta R.T. 0.991 min

Lab File: VU055143.D

Acq: 06 Sep 2023 16:21

|             |                |
|-------------|----------------|
| Tgt Ion: 75 | Resp: 13429    |
| Ion Ratio   | Lower Upper    |
| 75          | 100            |
| 110         | 2.5 28.2 42.2# |
| 77          | 36.2 26.2 39.4 |

