

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU082823\  
 Data File : VU054934.D  
 Acq On : 28 Aug 2023 19:27  
 Operator : MD/SY  
 Sample : 04173-11  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 COAL5

Quant Time: Aug 29 05:01:43 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR082823WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Aug 29 04:51:39 2023  
 Response via : Initial Calibration

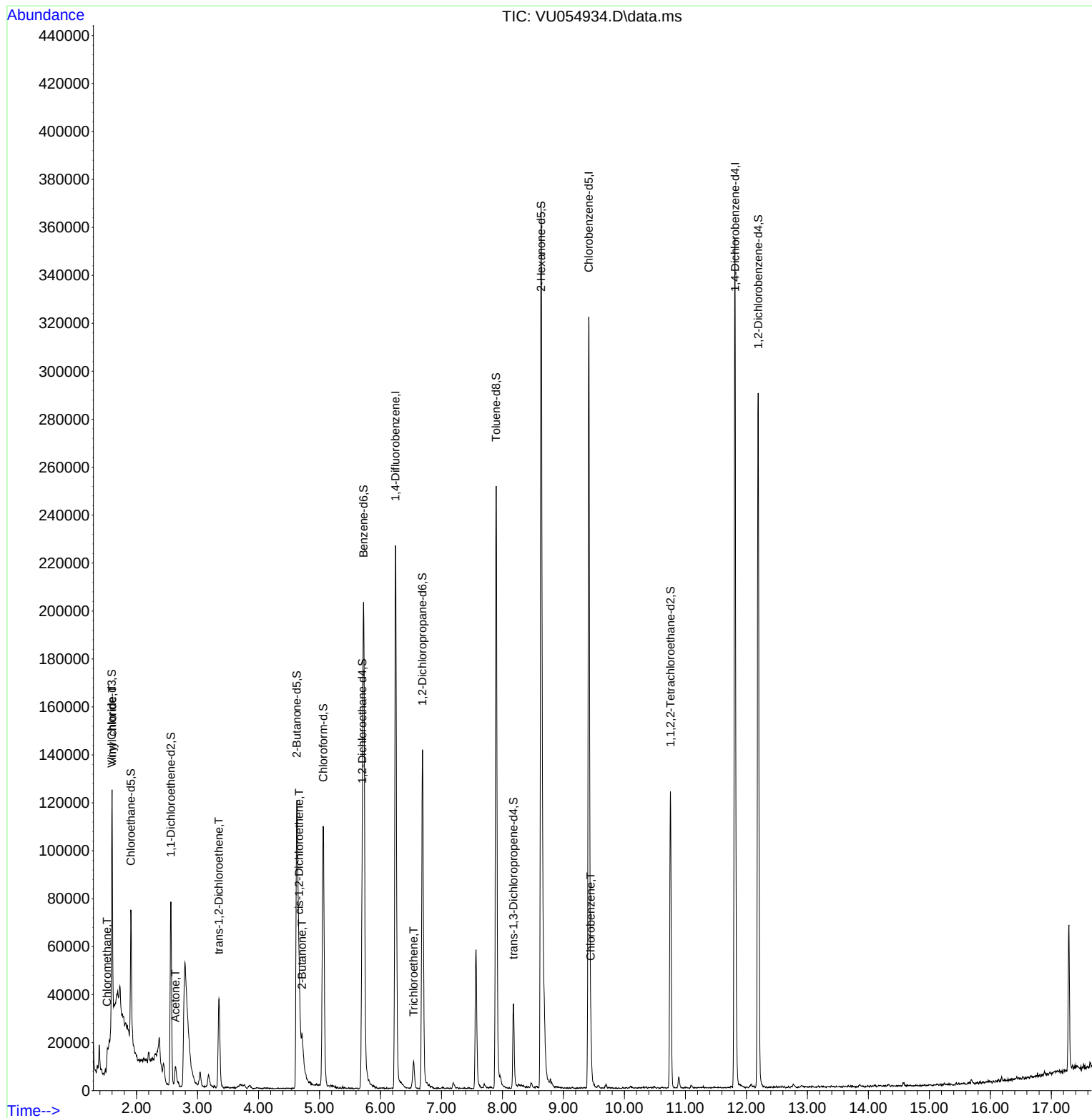
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.248  | 114   | 177991   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.415  | 117   | 174413   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.814 | 152   | 89904    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.595  | 65    | 26737    | 4.759    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 95.200%  |
| 7) Chloroethane-d5            | 1.907  | 69    | 35224    | 4.853    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 97.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65    | 15187    | 4.783    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 95.600%  |
| 20) 2-Butanone-d5             | 4.628  | 46    | 183723   | 60.587   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 121.180% |
| 24) Chloroform-d              | 5.062  | 84    | 101050   | 4.849    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 97.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.701  | 65    | 58380    | 5.265    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 105.200% |
| 32) Benzene-d6                | 5.724  | 84    | 185861   | 4.741    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 94.800%  |
| 36) 1,2-Dichloropropane-d6    | 6.689  | 67    | 67610    | 4.903    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 98.000%  |
| 41) Toluene-d8                | 7.897  | 98    | 169736   | 4.521    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 90.400%  |
| 43) trans-1,3-Dichloroprop... | 8.180  | 79    | 19868    | 4.378    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 87.600%  |
| 46) 2-Hexanone-d5             | 8.634  | 63    | 124613   | 57.857   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 115.720% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.756 | 84    | 59544    | 5.036    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 100.800% |
| 66) 1,2-Dichlorobenzene-d4    | 12.193 | 152   | 70675    | 4.923    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 98.400%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 3) Chloromethane              | 1.518  | 50    | 5138     | 0.446    | ug/L   | 96       |
| 5) Vinyl chloride             | 1.602  | 62    | 46698    | 3.909    | ug/L # | 54       |
| 13) Acetone                   | 2.637  | 43    | 12036    | 7.343    | ug/L   | 100      |
| 18) trans-1,2-Dichloroethene  | 3.351  | 96    | 15701    | 1.788    | ug/L   | 89       |
| 21) 2-Butanone                | 4.714  | 43    | 28642    | 11.404   | ug/L   | 95       |
| 22) cis-1,2-Dichloroethene    | 4.666  | 96    | 9574     | 0.914    | ug/L   | 96       |
| 34) Trichloroethene           | 6.544  | 95    | 3631     | 0.318    | ug/L   | 97       |
| 51) Chlorobenzene             | 9.447  | 112   | 9159     | 0.308    | ug/L   | 93       |
| -----                         |        |       |          |          |        |          |

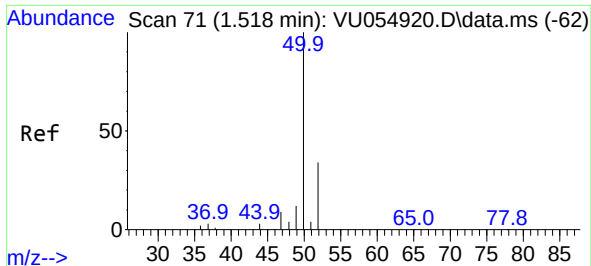
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 29 04:51:39 2023  
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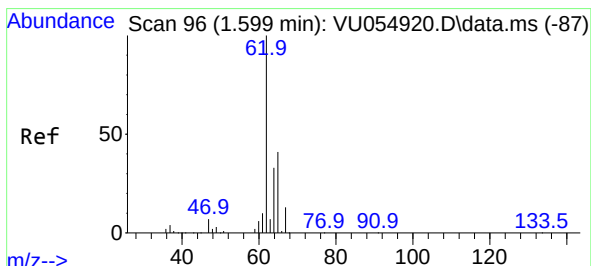
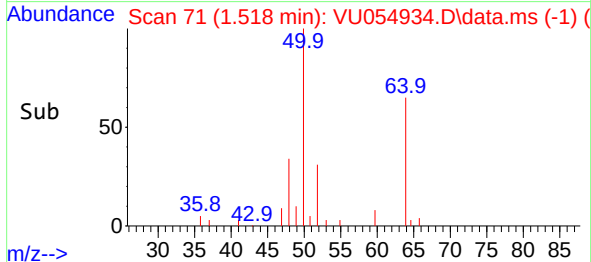
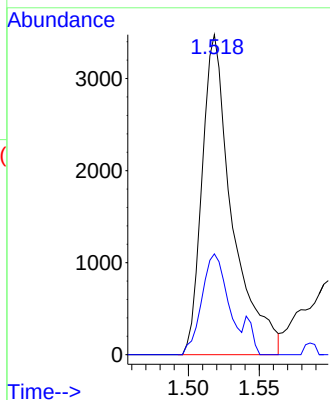
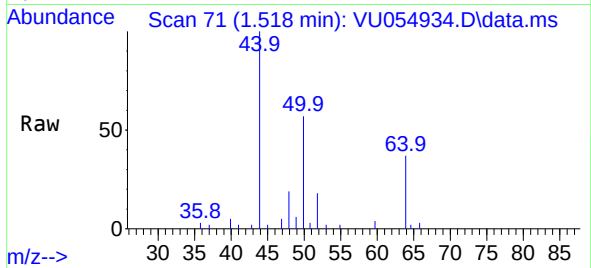




#3  
Chloromethane  
Concen: 0.446 ug/L  
RT: 1.518 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VU054934.D  
Acq: 28 Aug 2023 19:27

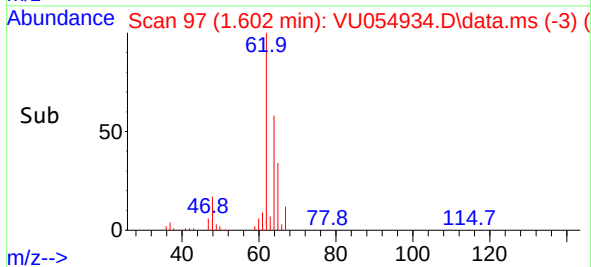
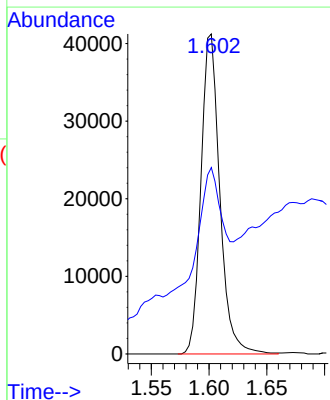
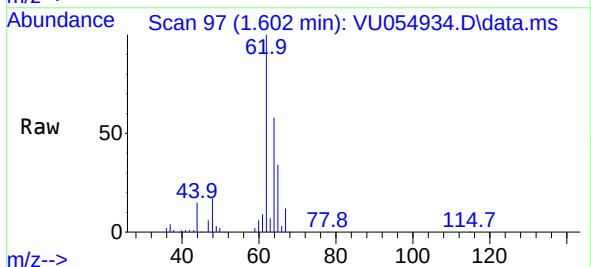
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0AL5

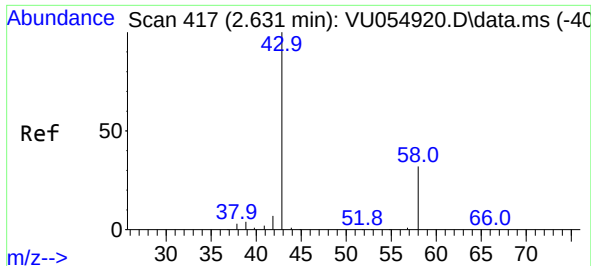
Tgt Ion: 50 Resp: 5138  
Ion Ratio Lower Upper  
50 100  
52 31.5 23.4 43.6



#5  
Vinyl chloride  
Concen: 3.909 ug/L  
RT: 1.602 min Scan# 97  
Delta R.T. 0.003 min  
Lab File: VU054934.D  
Acq: 28 Aug 2023 19:27

Tgt Ion: 62 Resp: 46698  
Ion Ratio Lower Upper  
62 100  
64 58.2 22.7 42.1#





#13

Acetone

Concen: 7.343 ug/L

RT: 2.637 min Scan# 41

Delta R.T. 0.006 min

Lab File: VU054934.D

Acq: 28 Aug 2023 19:27

Instrument :

MSVOA\_U

ClientSampleId :

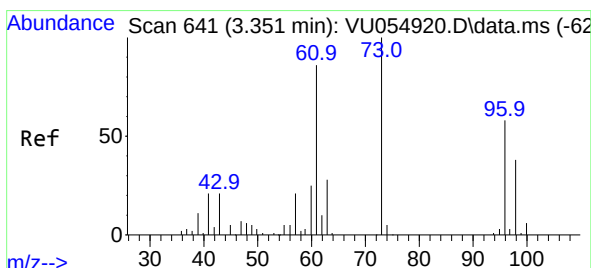
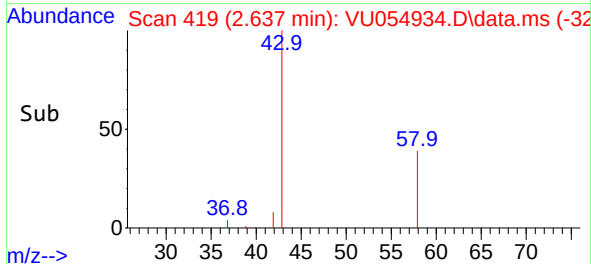
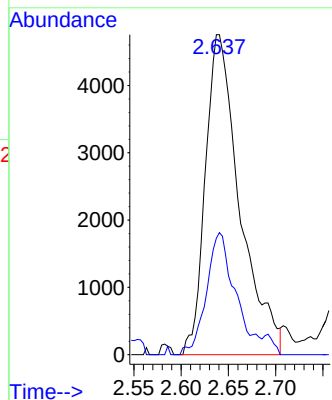
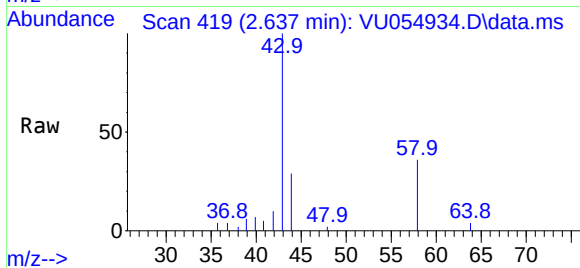
C0AL5

Tgt Ion: 43 Resp: 12036

Ion Ratio Lower Upper

43 100

58 32.2 0.0 64.4



#18

trans-1,2-Dichloroethene

Concen: 1.788 ug/L

RT: 3.351 min Scan# 641

Delta R.T. -0.000 min

Lab File: VU054934.D

Acq: 28 Aug 2023 19:27

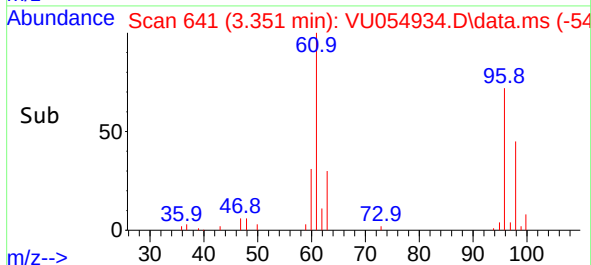
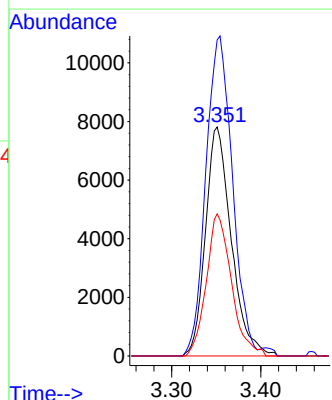
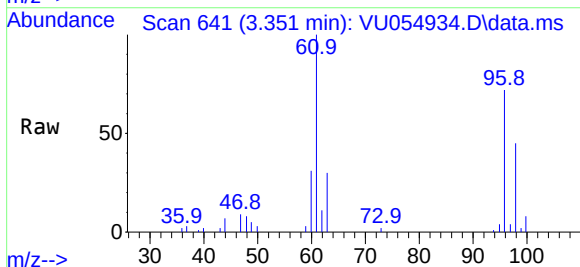
Tgt Ion: 96 Resp: 15701

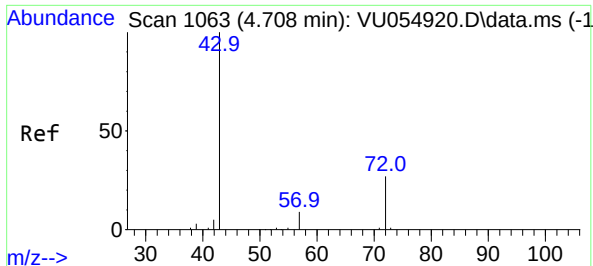
Ion Ratio Lower Upper

96 100

61 138.0 108.8 202.0

98 62.0 45.8 85.2

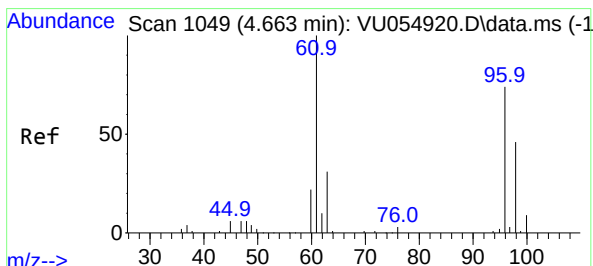
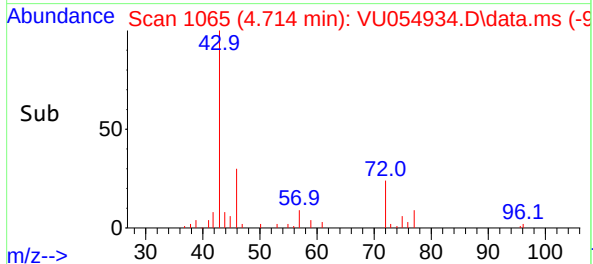
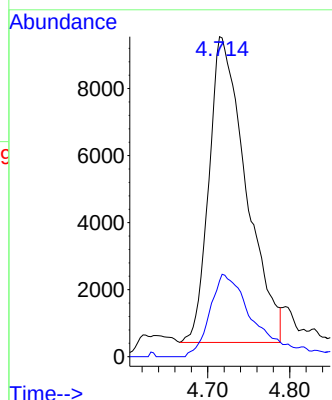
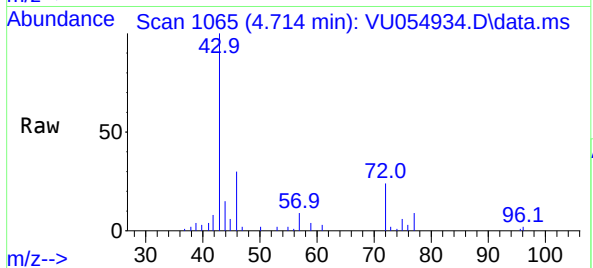




#21  
2-Butanone  
Concen: 11.404 ug/L  
RT: 4.714 min Scan# 1065  
Delta R.T. 0.006 min  
Lab File: VU054934.D  
Acq: 28 Aug 2023 19:27

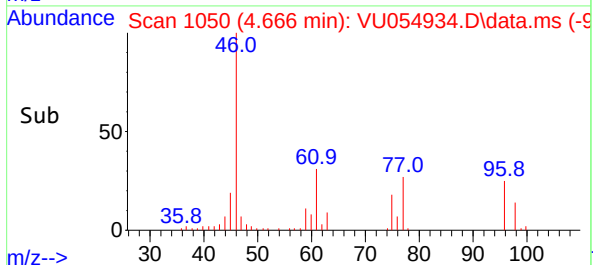
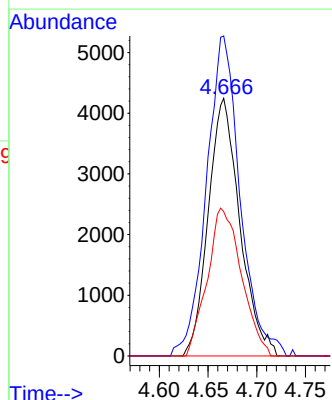
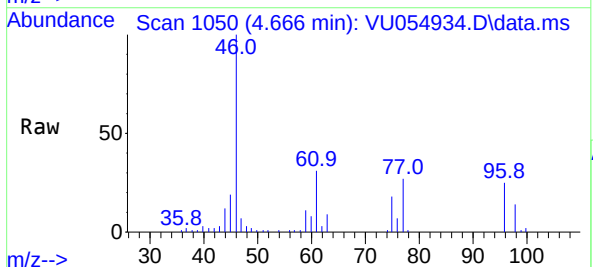
Instrument :  
MSVOA\_U  
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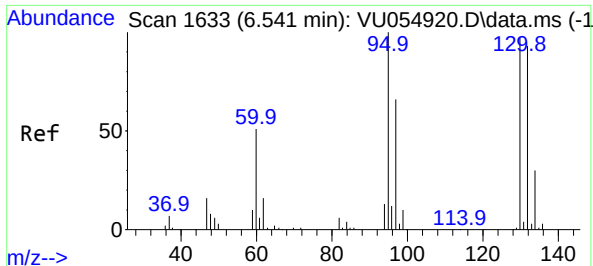
Tgt Ion: 43 Resp: 28642  
Ion Ratio Lower Upper  
43 100  
72 30.6 14.1 42.3



#22  
cis-1,2-Dichloroethene  
Concen: 0.914 ug/L  
RT: 4.666 min Scan# 1050  
Delta R.T. 0.003 min  
Lab File: VU054934.D  
Acq: 28 Aug 2023 19:27

Tgt Ion: 96 Resp: 9574  
Ion Ratio Lower Upper  
96 100  
61 124.2 88.4 164.2  
98 56.0 44.0 81.6



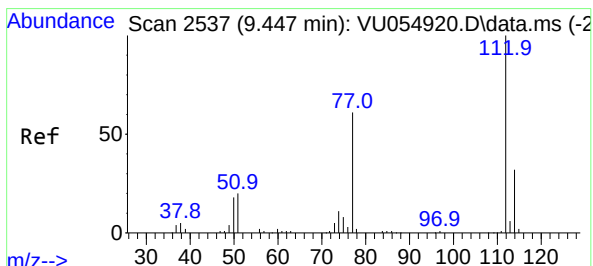
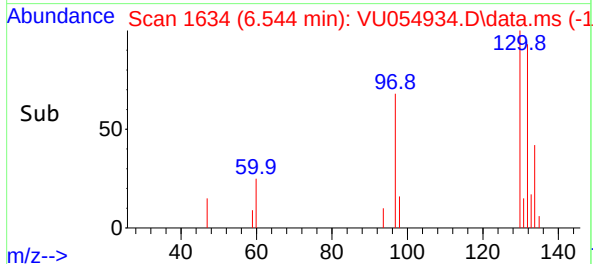
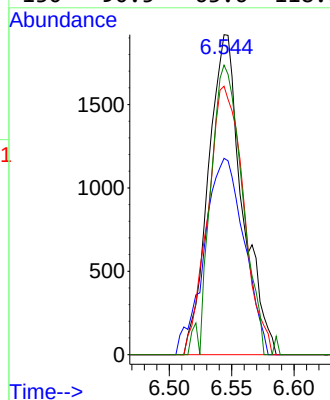
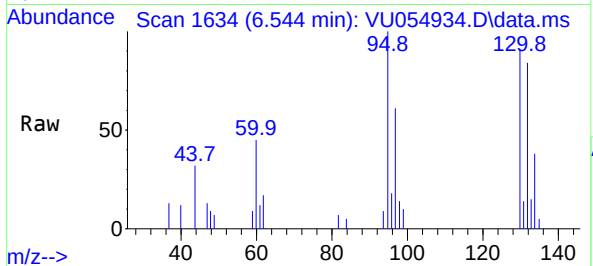


#34  
Trichloroethene  
Concen: 0.318 ug/L  
RT: 6.544 min Scan# 1  
Delta R.T. 0.003 min  
Lab File: VU054934.D  
Acq: 28 Aug 2023 19:27

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0AL5

Tgt Ion: 95 Resp: 3631

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 61.3  | 44.1  | 81.9  |
| 132 | 83.9  | 63.6  | 118.2 |
| 130 | 90.5  | 63.6  | 118.0 |



#51  
Chlorobenzene  
Concen: 0.308 ug/L  
RT: 9.447 min Scan# 2537  
Delta R.T. -0.000 min  
Lab File: VU054934.D  
Acq: 28 Aug 2023 19:27

Tgt Ion: 112 Resp: 9159

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 112 | 100   |       |       |
| 114 | 27.8  | 23.4  | 43.4  |
| 77  | 57.7  | 49.3  | 73.9  |

