

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011725\  
 Data File : VU062897.D  
 Acq On : 18 Jan 2025 02:04  
 Operator : MD/SY  
 Sample : Q1086-18  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AE3

Quant Time: Jan 18 03:34:12 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR010225WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Jan 17 23:41:19 2025  
 Response via : Initial Calibration

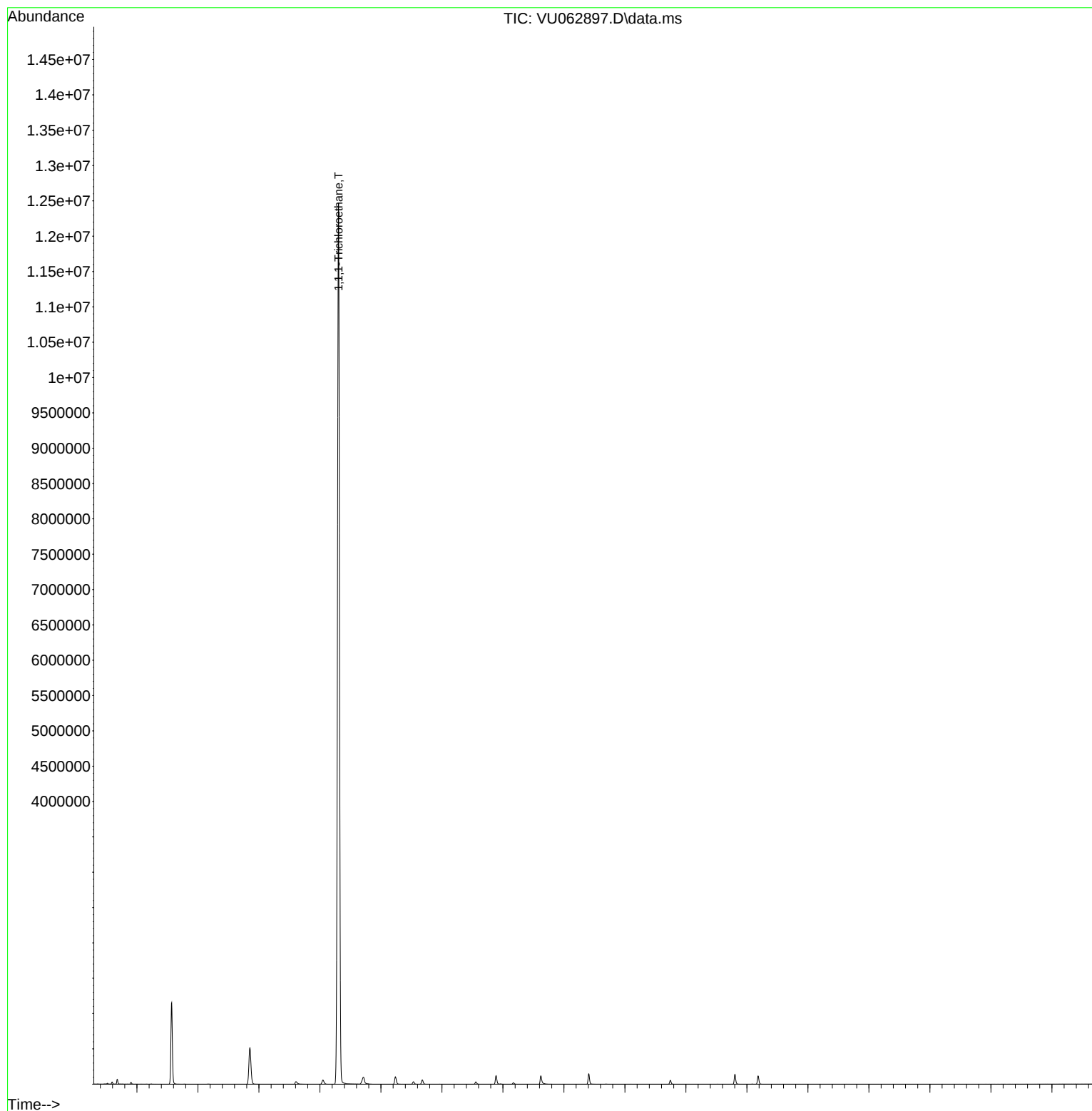
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.235  | 114   | 88786    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.406  | 117   | 82588    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152   | 38838    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.592  | 65    | 19158    | 3.896    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 78.000%  |
| 7) Chloroethane-d5            | 1.904  | 69    | 17410    | 4.401    | ug/L   | 0.01     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 88.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.557  | 65    | 10652    | 4.182    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 83.600%  |
| 20) 2-Butanone-d5             | 4.605  | 46    | 53752    | 53.484   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 106.960% |
| 24) Chloroform-d              | 5.049  | 84    | 56721    | 4.688    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 93.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.689  | 65    | 32415    | 4.940    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 98.800%  |
| 32) Benzene-d6                | 5.714  | 84    | 94380    | 4.675    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 93.600%  |
| 36) 1,2-Dichloropropane-d6    | 6.676  | 67    | 27455    | 4.905    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 98.000%  |
| 41) Toluene-d8                | 7.888  | 98    | 84202    | 4.281    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 85.600%  |
| 43) trans-1,3-Dichloroprop... | 8.171  | 79    | 12649    | 4.533    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 90.600%  |
| 46) 2-Hexanone-d5             | 8.621  | 63    | 40712    | 46.394   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 92.780%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746 | 84    | 23355    | 4.982    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 99.600%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.184 | 152   | 32377    | 5.011    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 100.200% |
|                               |        |       |          |          |        |          |
| Target Compounds              | Qvalue |       |          |          |        |          |
| 3) Chloromethane              | 1.515  | 50    | 7598     | 1.339    | ug/L   | 96       |
| 12) 1,1-Dichloroethene        | 2.570  | 96    | 387508   | 70.307   | ug/L # | 74       |
| 13) Acetone                   | 2.615  | 43    | 3530     | 4.434    | ug/L   | 95       |
| 14) Carbon disulfide          | 2.782  | 76    | 2088     | 0.119    | ug/L # | 76       |
| 19) 1,1-Dichloroethane        | 3.853  | 63    | 567111   | 53.715   | ug/L   | 96       |
| 25) Chloroform                | 5.071  | 83    | 5014     | 0.386    | ug/L   | 91       |
| 29) 1,1,1-Trichloroethane     | 5.306  | 97    | 9689438  | 773.461  | ug/L   | 98       |
| 33) Benzene                   | 5.766  | 78    | 6626     | 0.279    | ug/L   | 100      |
| 34) Trichloroethene           | 6.531  | 95    | 11519    | 1.421    | ug/L   | 94       |
| 42) Toluene                   | 7.962  | 91    | 3464     | 0.133    | ug/L   | 89       |
| -----                         |        |       |          |          |        |          |

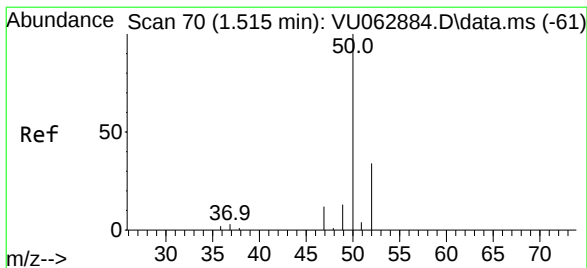
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jan 17 23:41:19 2025  
Response via : Initial Calibration





#3

Chloromethane

Concen: 1.339 ug/L

RT: 1.515 min Scan# 70

Delta R.T. -0.000 min

Lab File: VU062897.D

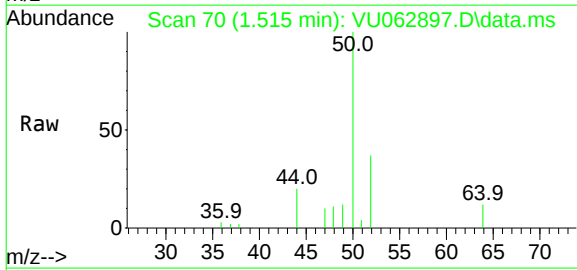
Acq: 18 Jan 2025 02:04

Instrument :

MSVOA\_U

ClientSampleId :

C0AE3

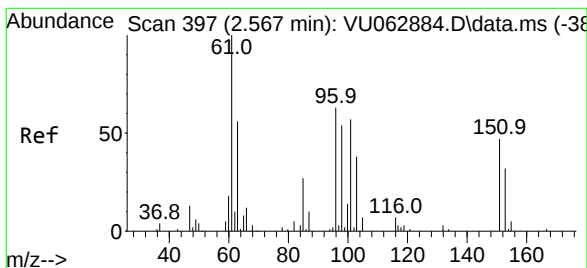
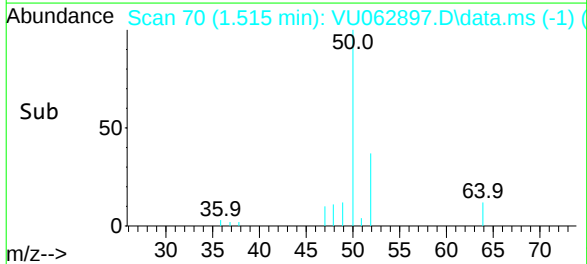
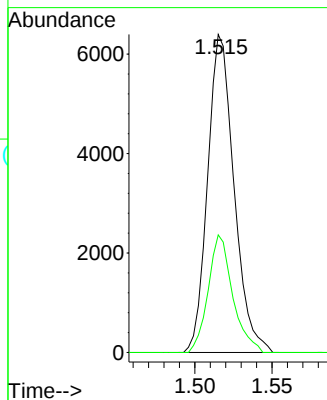


Tgt Ion: 50 Resp: 7598

Ion Ratio Lower Upper

50 100

52 37.0 24.1 44.7



#12

1,1-Dichloroethene

Concen: 70.307 ug/L

RT: 2.570 min Scan# 398

Delta R.T. 0.003 min

Lab File: VU062897.D

Acq: 18 Jan 2025 02:04

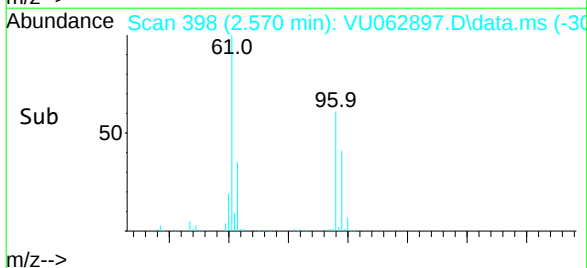
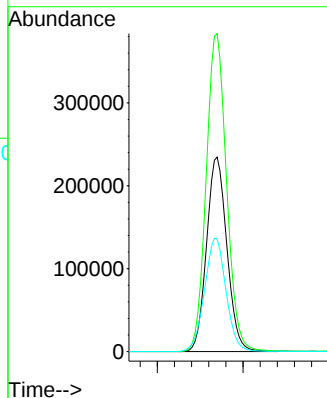
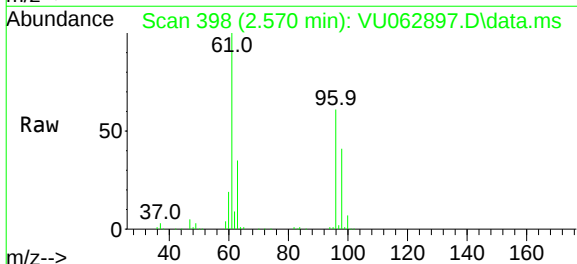
Tgt Ion: 96 Resp: 387508

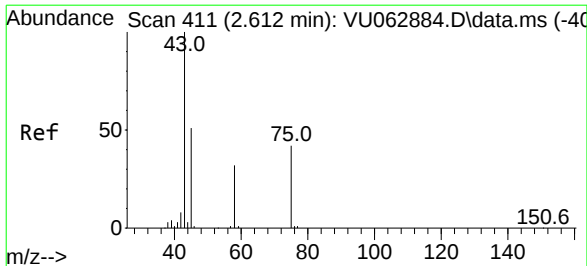
Ion Ratio Lower Upper

96 100

61 163.5 120.4 223.6

63 57.9 82.3 152.9#





#13

Acetone

Concen: 4.434 ug/L

RT: 2.615 min Scan# 411

Delta R.T. 0.003 min

Lab File: VU062897.D

Acq: 18 Jan 2025 02:04

Instrument :

MSVOA\_U

ClientSampleId :

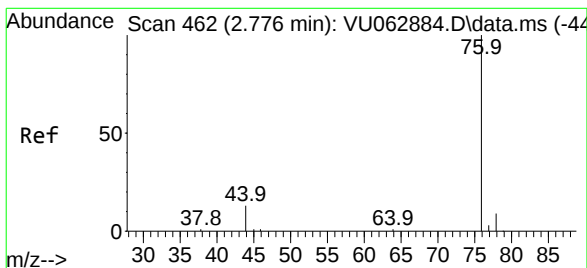
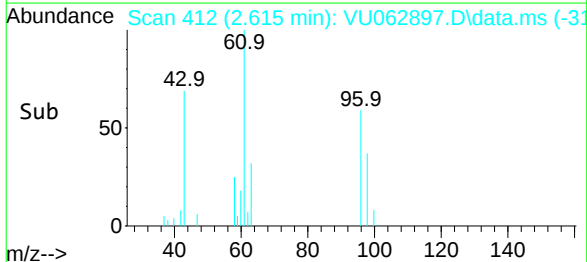
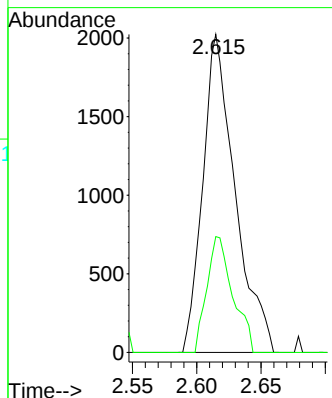
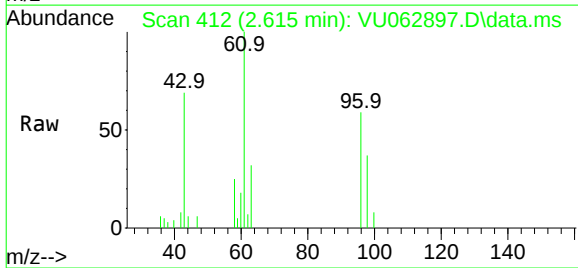
C0AE3

Tgt Ion: 43 Resp: 3530

Ion Ratio Lower Upper

43 100

58 29.2 0.0 64.4



#14

Carbon disulfide

Concen: 0.119 ug/L

RT: 2.782 min Scan# 464

Delta R.T. 0.006 min

Lab File: VU062897.D

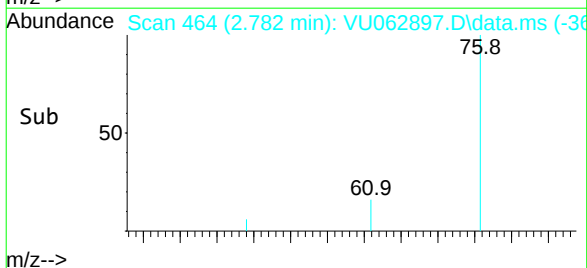
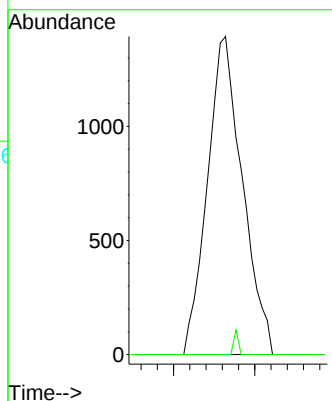
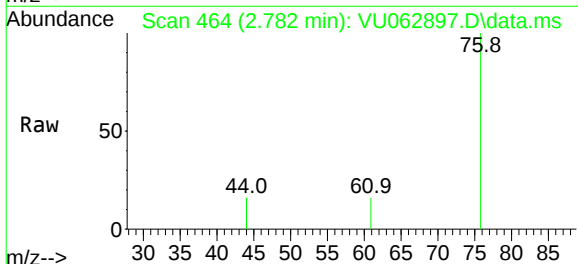
Acq: 18 Jan 2025 02:04

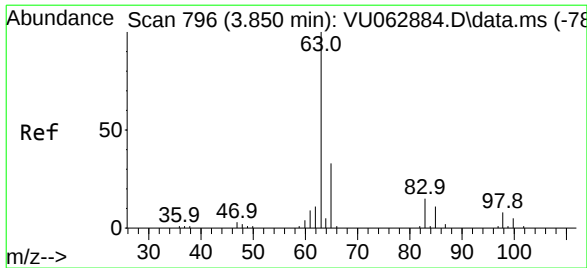
Tgt Ion: 76 Resp: 2088

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#

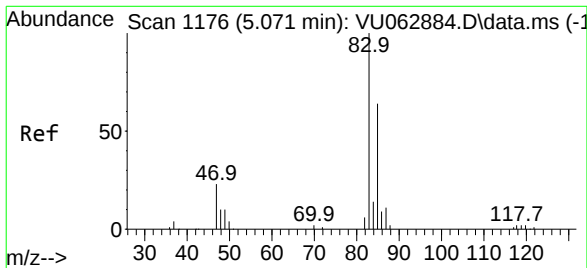
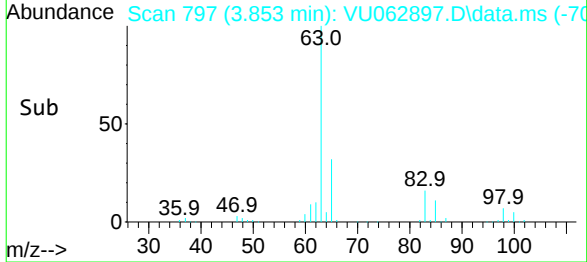
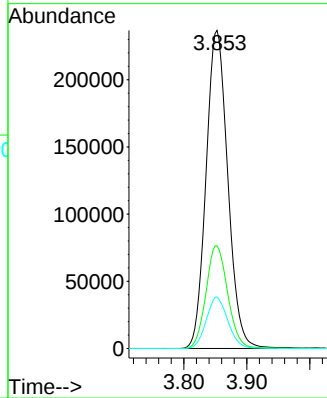
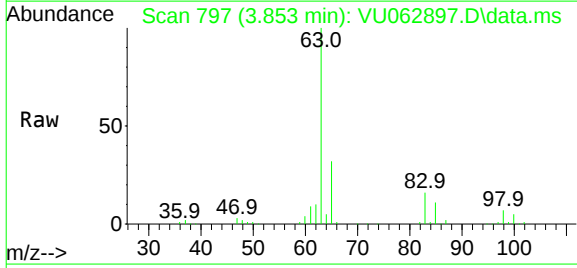




#19  
1,1-Dichloroethane  
Concen: 53.715 ug/L  
RT: 3.853 min Scan# 796  
Delta R.T. 0.003 min  
Lab File: VU062897.D  
Acq: 18 Jan 2025 02:04

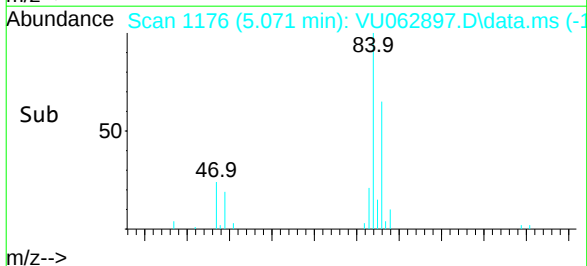
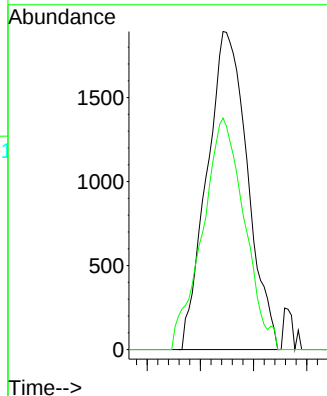
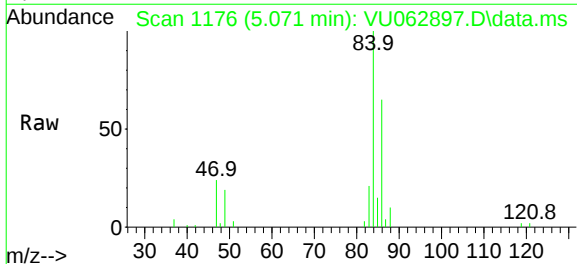
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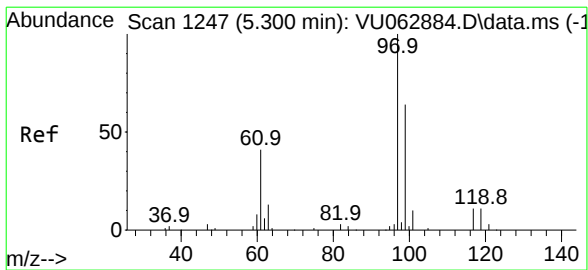
Tgt Ion: 63 Resp: 567111  
Ion Ratio Lower Upper  
63 100  
65 32.3 20.7 38.5  
83 16.2 10.5 19.5



#25  
Chloroform  
Concen: 0.386 ug/L  
RT: 5.071 min Scan# 1176  
Delta R.T. -0.000 min  
Lab File: VU062897.D  
Acq: 18 Jan 2025 02:04

Tgt Ion: 83 Resp: 5014  
Ion Ratio Lower Upper  
83 100  
85 72.8 45.8 85.2





#29

1,1,1-Trichloroethane

Concen: 773.461 ug/L

RT: 5.306 min Scan# 12

Delta R.T. 0.006 min

Lab File: VU062897.D

Acq: 18 Jan 2025 02:04

Instrument :

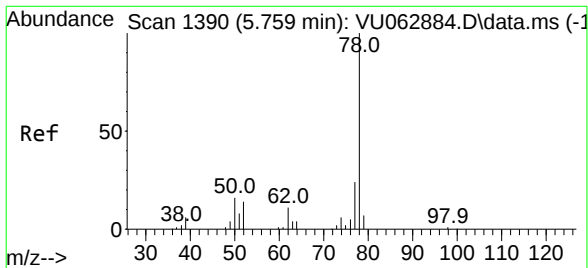
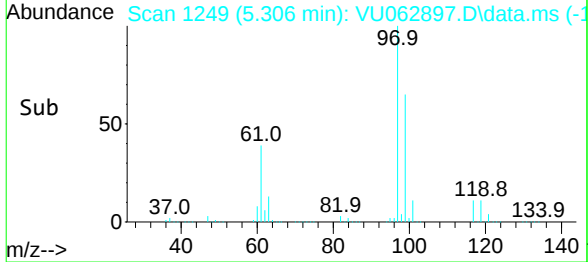
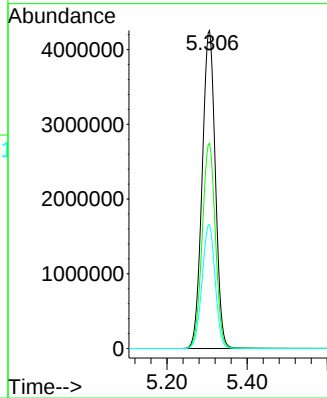
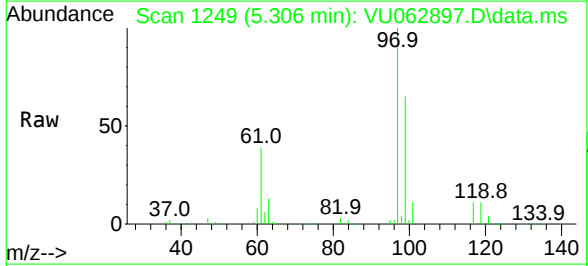
MSVOA\_U

ClientSampleId :

C0AE3

Tgt Ion: 97 Resp: 9689438

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 64.6  | 52.4  | 78.6  |
| 61  | 38.8  | 32.2  | 48.4  |



#33

Benzene

Concen: 0.279 ug/L

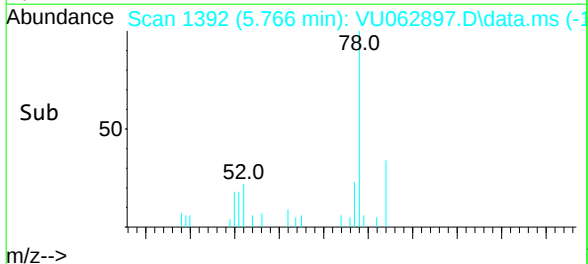
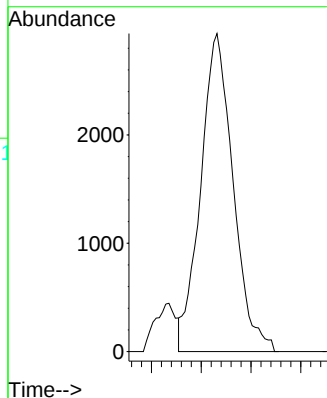
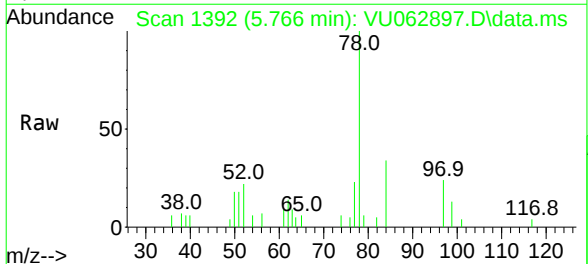
RT: 5.766 min Scan# 1392

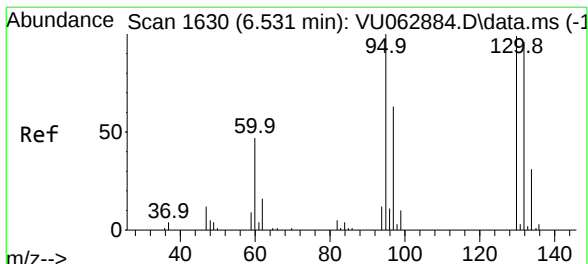
Delta R.T. 0.006 min

Lab File: VU062897.D

Acq: 18 Jan 2025 02:04

Tgt Ion: 78 Resp: 6626

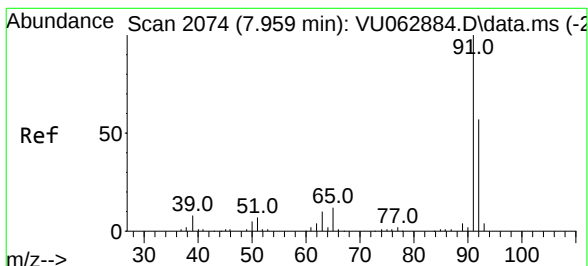
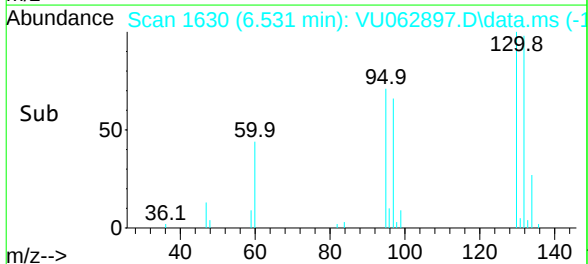
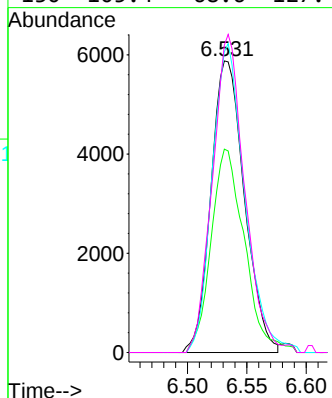
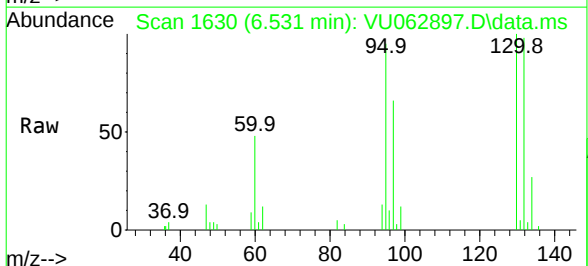




#34  
 Trichloroethene  
 Concen: 1.421 ug/L  
 RT: 6.531 min Scan# 16  
 Delta R.T. -0.000 min  
 Lab File: VU062897.D  
 Acq: 18 Jan 2025 02:04

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 11519 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 97       | 69.7  | 47.5  | 88.3  |
| 132      | 103.1 | 66.9  | 124.3 |
| 130      | 105.4 | 68.6  | 127.4 |



#42  
 Toluene  
 Concen: 0.133 ug/L  
 RT: 7.962 min Scan# 2075  
 Delta R.T. 0.003 min  
 Lab File: VU062897.D  
 Acq: 18 Jan 2025 02:04

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 3464  |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 49.4  | 40.4  | 75.0  |

