

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011725\  
 Data File : VU062894.D  
 Acq On : 18 Jan 2025 00:50  
 Operator : MD/SY  
 Sample : Q1086-14  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jan 18 03:33:05 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        | 6.238  | 114   | 78748    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.409  | 117   | 78761    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152   | 38317    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.592  | 65    | 4188     | 0.960    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 19.200%# |
| 7) Chloroethane-d5            | 1.901  | 69    | 17688    | 5.042    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 100.800% |
| 11) 1,1-Dichloroethene-d2     | 2.557  | 65    | 1089     | 0.482    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 9.600%#  |
| 20) 2-Butanone-d5             | 4.605  | 46    | 53957    | 60.532   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 121.060% |
| 24) Chloroform-d              | 5.049  | 84    | 55999    | 5.219    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 104.400% |
| 26) 1,2-Dichloroethane-d4     | 5.689  | 65    | 32441    | 5.574    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 111.400% |
| 32) Benzene-d6                | 5.714  | 84    | 85593    | 4.446    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 89.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.679  | 67    | 26268    | 4.921    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 98.400%  |
| 41) Toluene-d8                | 7.898  | 98    | 3340     | 0.178    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 3.600%#  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 6654     | 2.501    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 50.000%# |
| 46) 2-Hexanone-d5             | 8.621  | 63    | 40157    | 47.985   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 95.980%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746 | 84    | 23467    | 5.249    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 105.000% |
| 66) 1,2-Dichlorobenzene-d4    | 12.184 | 152   | 31804    | 4.989    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 99.800%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 3) Chloromethane              | 1.515  | 50    | 15175    | 3.014    | ug/L   | 98       |
| 6) Bromomethane               | 1.846  | 94    | 898      | 0.218    | ug/L   | 80       |
| 9) Trichlorofluoromethane     | 2.133  | 101   | 1532     | 0.134    | ug/L   | 94       |
| 12) 1,1-Dichloroethene        | 2.567  | 96    | 4936     | 1.010    | ug/L   | 77       |
| 13) Acetone                   | 2.612  | 43    | 71237    | 100.883  | ug/L   | 100      |
| 15) Methyl Acetate            | 2.788  | 43    | 335      | 0.219    | ug/L # | 44       |
| 19) 1,1-Dichloroethane        | 3.856  | 63    | 28556    | 3.050    | ug/L   | 95       |
| 21) 2-Butanone                | 4.705  | 43    | 8369     | 8.899    | ug/L   | 98       |
| 29) 1,1,1-Trichloroethane     | 5.303  | 97    | 8763634  | 733.550  | ug/L   | 99       |
| 31) Carbon tetrachloride      | 5.303  | 117   | 997731   | 90.873   | ug/L   | 100      |
| 34) Trichloroethene           | 6.534  | 95    | 3447     | 0.446    | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.676  | 83    | 7167     | 0.753    | ug/L # | 21       |
| 37) 1,2-Dichloropropane       | 6.679  | 63    | 3841     | 0.720    | ug/L # | 85       |
| 40) 4-Methyl-2-pentanone      | 7.795  | 43    | 3575     | 1.434    | ug/L # | 39       |
| 47) Tetrachloroethene         | 8.544  | 164   | 9364     | 1.759    | ug/L   | 93       |
| 49) Dibromochloromethane      | 8.544  | 129   | 8523     | 1.464    | ug/L # | 12       |
| 61) 1,2,3-Trichloropropane    | 11.804 | 75    | 3710     | 1.092    | ug/L # | 57       |
| -----                         |        |       |          |          |        |          |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011725\  
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Acq On : 18 Jan 2025 00:50  
Operator : MD/SY  
Sample : Q1086-14  
Misc : 25mL/MSVOA\_U/WATER  
ALS Vial : 40 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

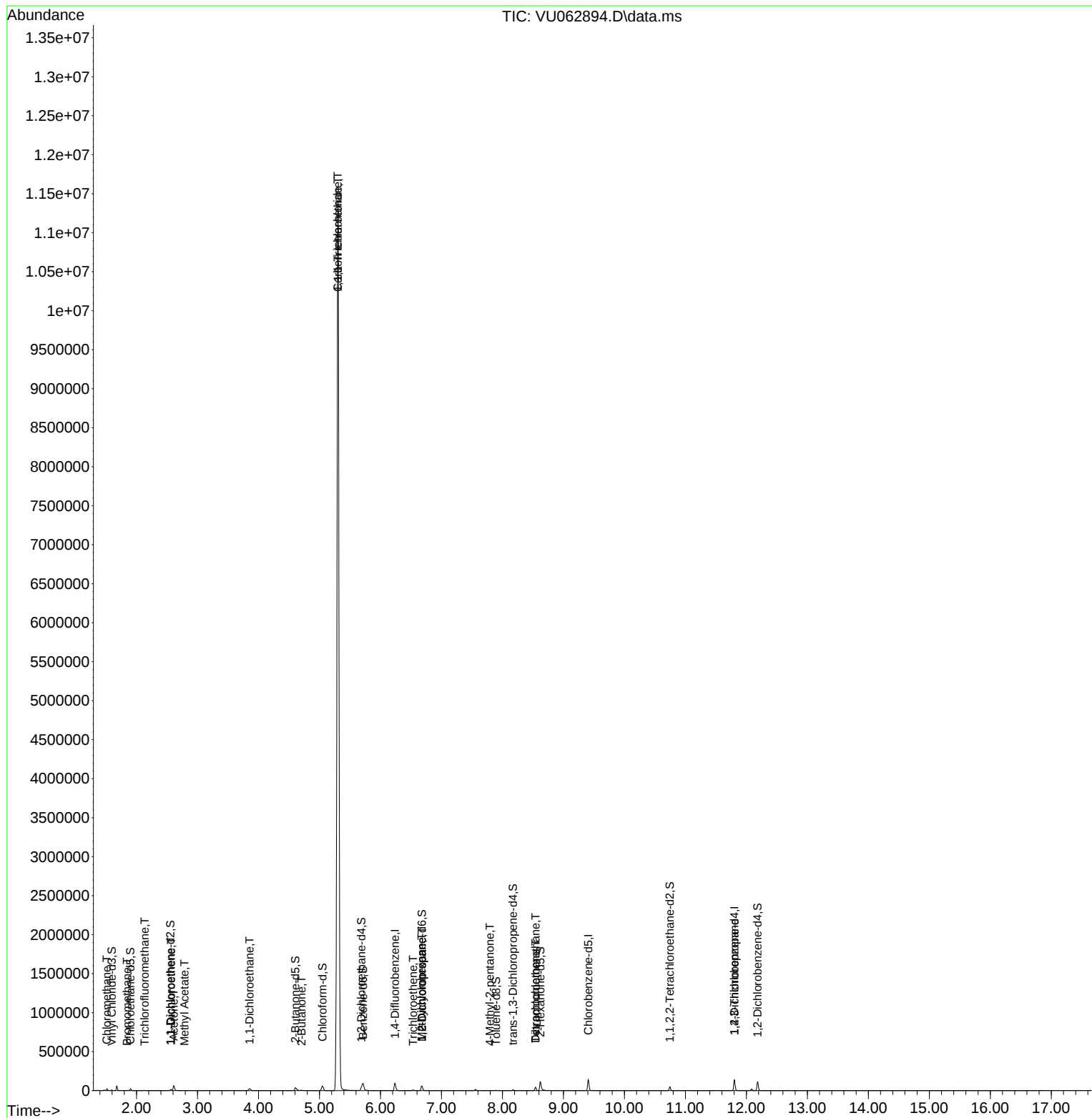
Quant Time: Jan 18 03:33:05 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR010225WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Jan 17 23:41:19 2025  
Response via : Initial Calibration

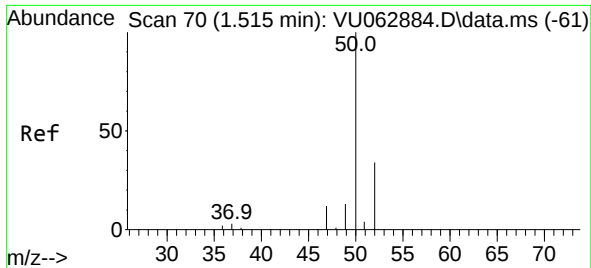
| Compound                                                                   | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                      |      |      |          |      |       |          |
| (#) = qualifier out of range (m) = manual integration (+) = signals summed |      |      |          |      |       |          |

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Response via : Initial Calibration





#3

Chloromethane

Concen: 3.014 ug/L

RT: 1.515 min Scan# 70

Delta R.T. -0.000 min

Lab File: VU062894.D

Acq: 18 Jan 2025 00:50

Instrument :

MSVOA\_U

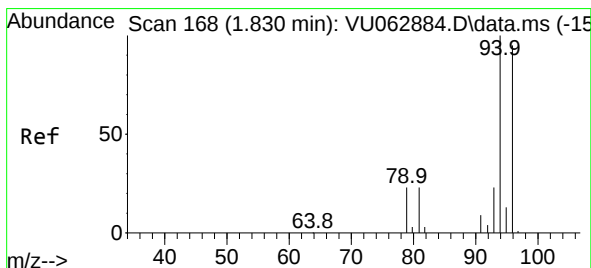
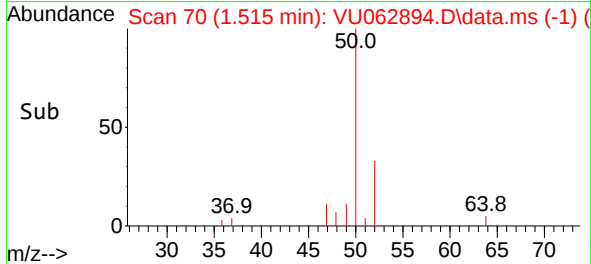
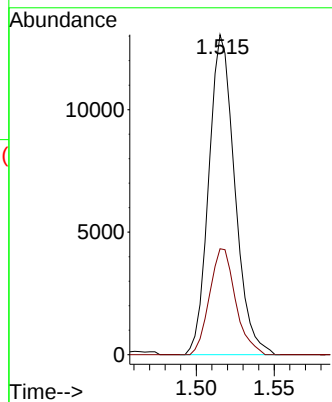
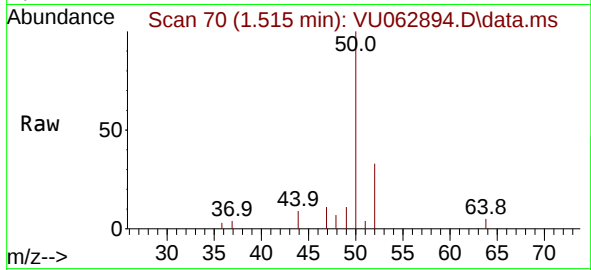
ClientSampleId :

Tgt Ion: 50 Resp: 15175

Ion Ratio Lower Upper

50 100

52 33.1 24.1 44.7



#6

Bromomethane

Concen: 0.218 ug/L

RT: 1.846 min Scan# 173

Delta R.T. 0.016 min

Lab File: VU062894.D

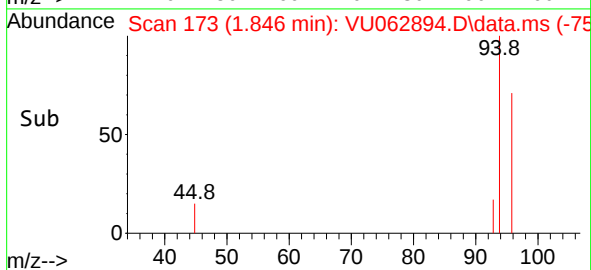
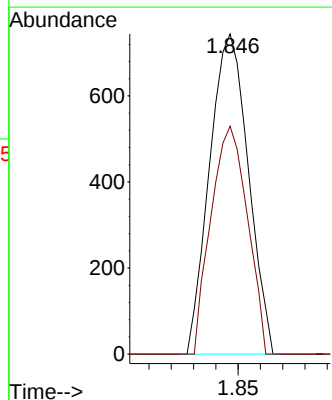
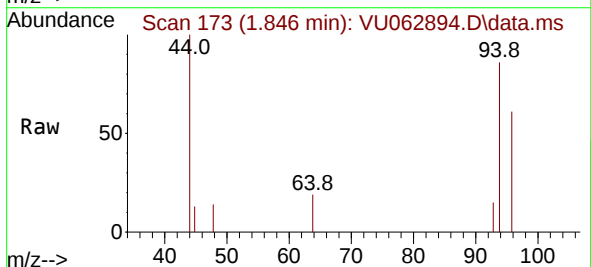
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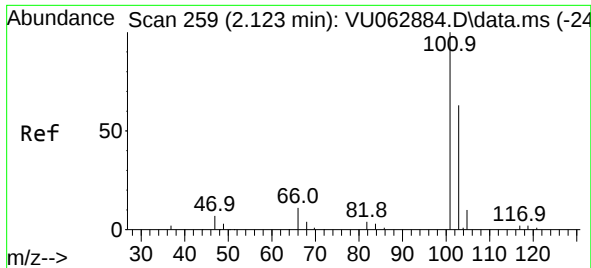
Tgt Ion: 94 Resp: 898

Ion Ratio Lower Upper

94 100

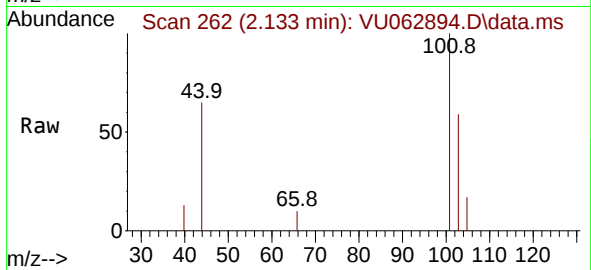
96 71.2 62.9 116.7



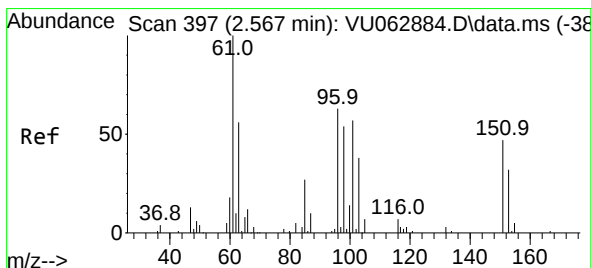
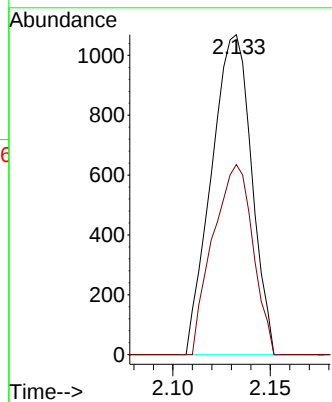
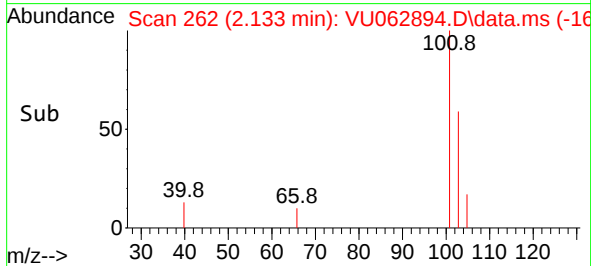


#9  
 Trichlorofluoromethane  
 Concen: 0.134 ug/L  
 RT: 2.133 min Scan# 210  
 Delta R.T. 0.010 min  
 Lab File: VU062894.D  
 Acq: 18 Jan 2025 00:50

Instrument :  
 MSVOA\_U  
 ClientSampleId :

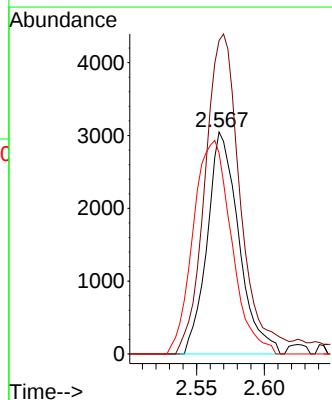
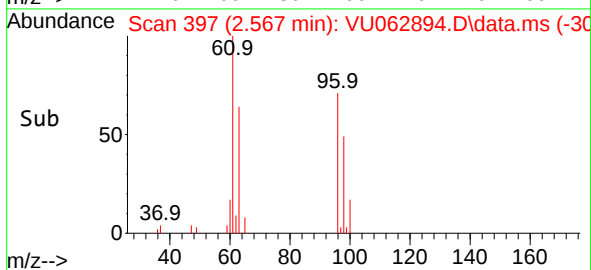
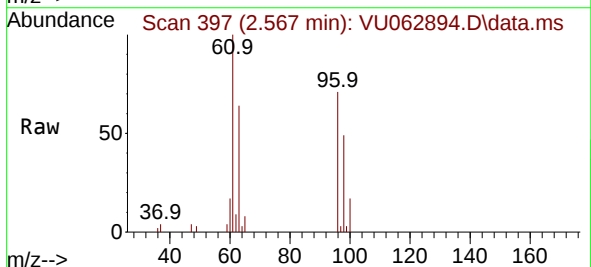


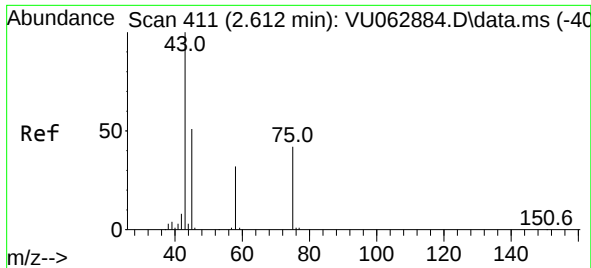
Tgt Ion:101 Resp: 1532  
 Ion Ratio Lower Upper  
 101 100  
 103 59.1 51.4 77.0



#12  
 1,1-Dichloroethene  
 Concen: 1.010 ug/L  
 RT: 2.567 min Scan# 397  
 Delta R.T. -0.000 min  
 Lab File: VU062894.D  
 Acq: 18 Jan 2025 00:50

Tgt Ion: 96 Resp: 4936  
 Ion Ratio Lower Upper  
 96 100  
 61 141.2 120.4 223.6  
 63 90.5 82.3 152.9





#13

Acetone

Concen: 100.883 ug/L

RT: 2.612 min Scan# 411

Delta R.T. -0.000 min

Lab File: VU062894.D

Acq: 18 Jan 2025 00:50

Instrument :

MSVOA\_U

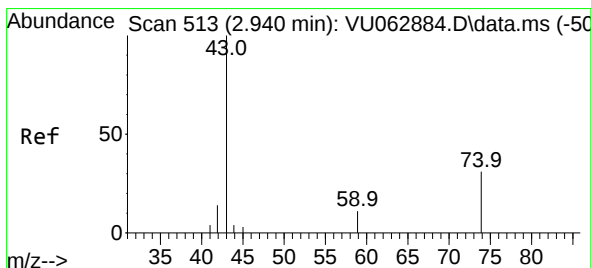
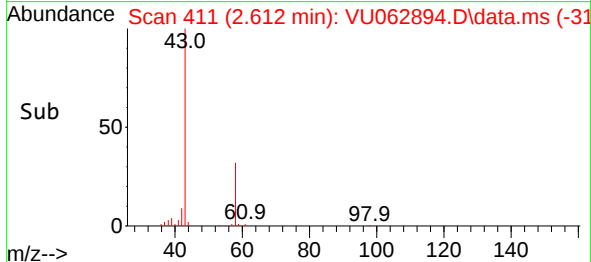
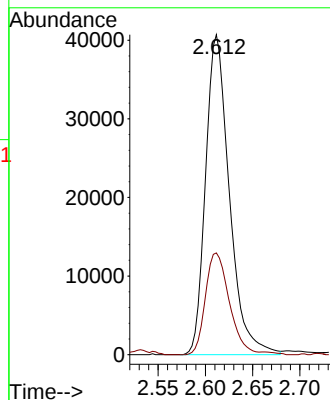
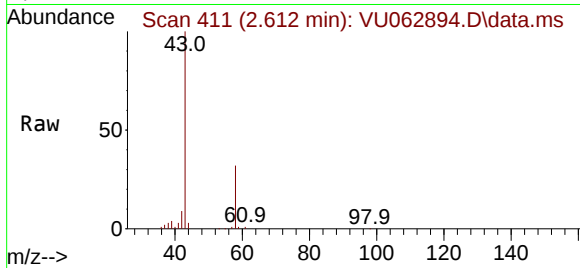
ClientSampleId :

Tgt Ion: 43 Resp: 71237

Ion Ratio Lower Upper

43 100

58 32.4 0.0 64.4



#15

Methyl Acetate

Concen: 0.219 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.151 min

Lab File: VU062894.D

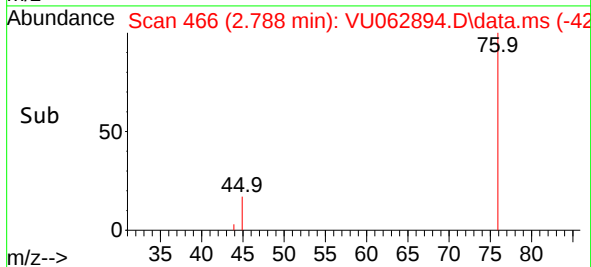
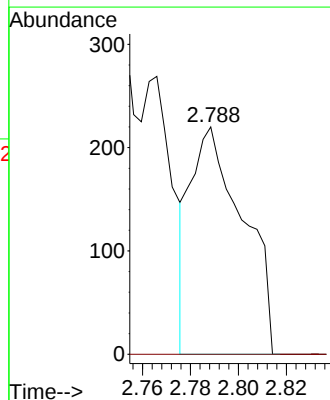
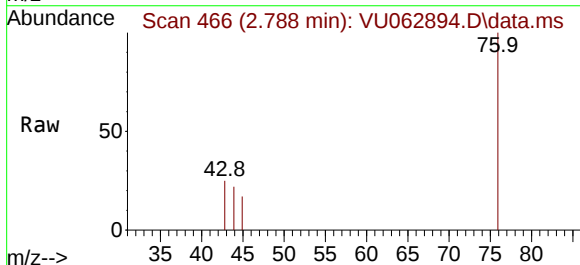
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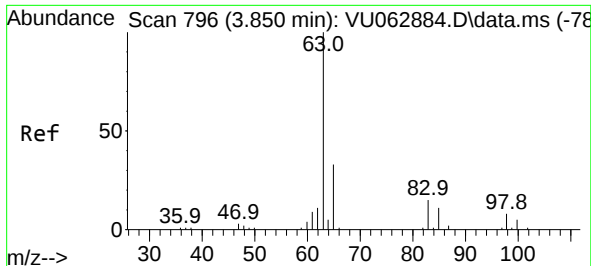
Tgt Ion: 43 Resp: 335

Ion Ratio Lower Upper

43 100

74 0.0 24.4 36.6#





#19

1,1-Dichloroethane

Concen: 3.050 ug/L

RT: 3.856 min Scan# 796

Delta R.T. 0.006 min

Lab File: VU062894.D

Acq: 18 Jan 2025 00:50

Instrument :

MSVOA\_U

ClientSampleId :

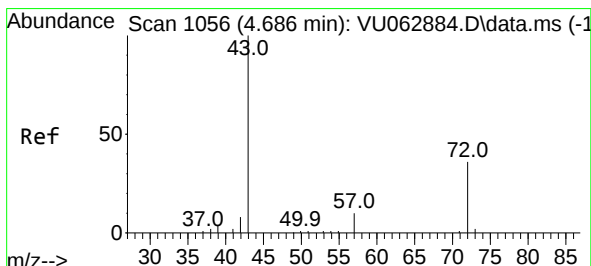
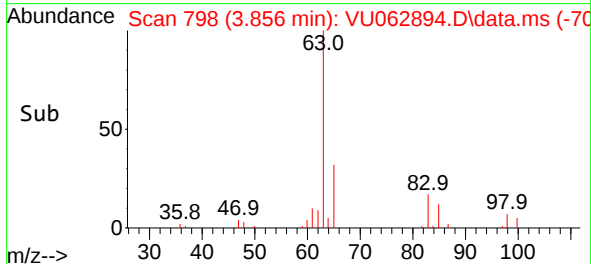
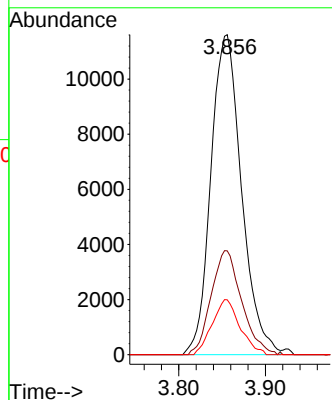
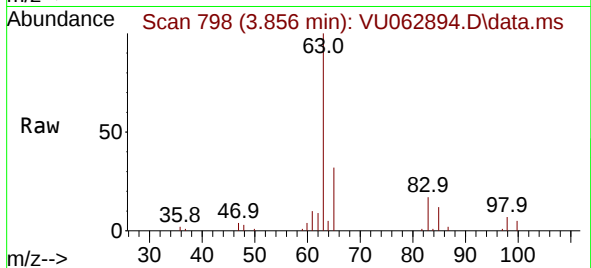
Tgt Ion: 63 Resp: 28556

Ion Ratio Lower Upper

63 100

65 32.5 20.7 38.5

83 17.2 10.5 19.5



#21

2-Butanone

Concen: 8.899 ug/L

RT: 4.705 min Scan# 1062

Delta R.T. 0.019 min

Lab File: VU062894.D

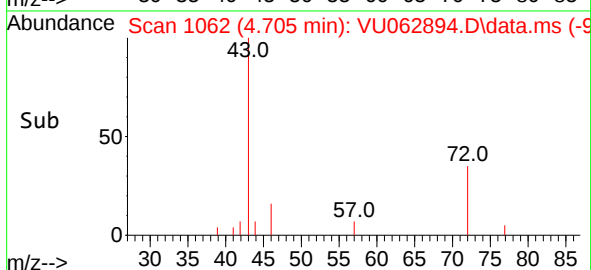
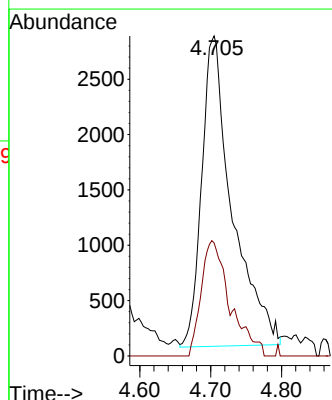
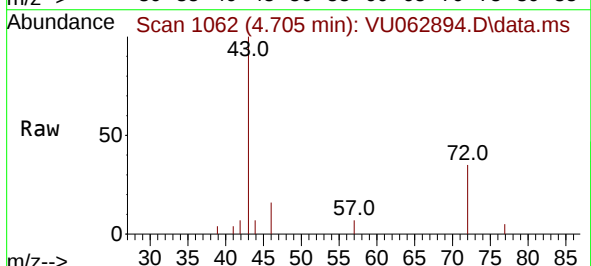
Acq: 18 Jan 2025 00:50

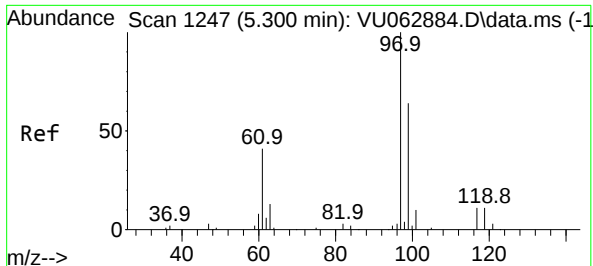
Tgt Ion: 43 Resp: 8369

Ion Ratio Lower Upper

43 100

72 35.2 17.1 51.2

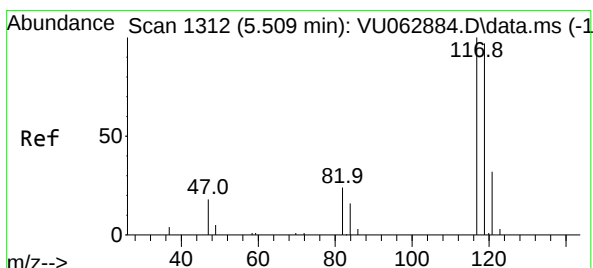
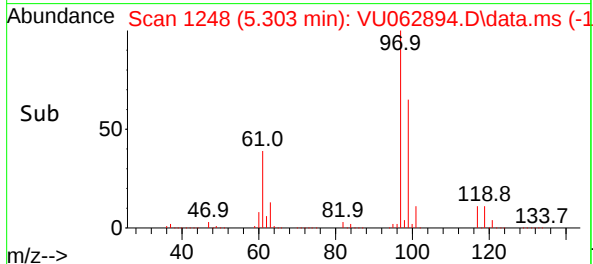
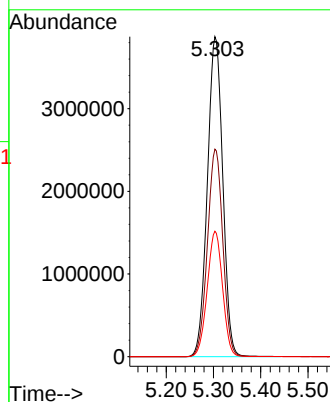
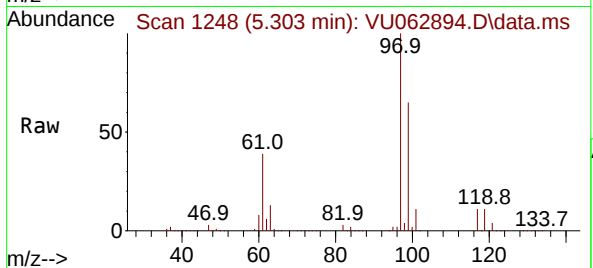




#29  
1,1,1-Trichloroethane  
Concen: 733.550 ug/L  
RT: 5.303 min Scan# 1247  
Delta R.T. 0.003 min  
Lab File: VU062894.D  
Acq: 18 Jan 2025 00:50

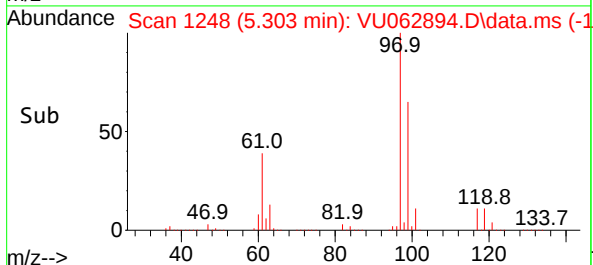
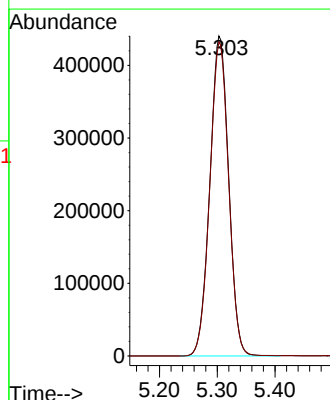
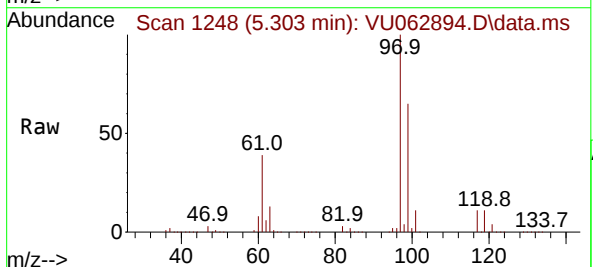
Instrument :  
MSVOA\_U  
ClientSampleId :

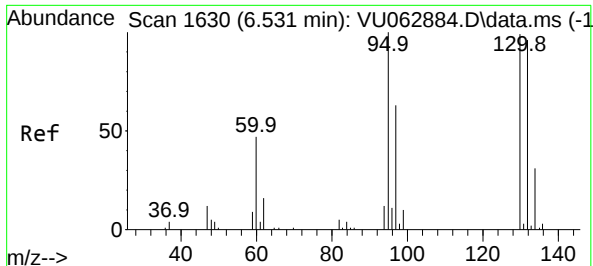
Tgt Ion: 97 Resp: 8763634  
Ion Ratio Lower Upper  
97 100  
99 64.9 52.4 78.6  
61 39.0 32.2 48.4



#31  
Carbon tetrachloride  
Concen: 90.873 ug/L  
RT: 5.303 min Scan# 1248  
Delta R.T. -0.206 min  
Lab File: VU062894.D  
Acq: 18 Jan 2025 00:50

Tgt Ion: 117 Resp: 997731  
Ion Ratio Lower Upper  
117 100  
119 97.9 78.6 118.0





#34

Trichloroethene

Concen: 0.446 ug/L

RT: 6.534 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU062894.D

Acq: 18 Jan 2025 00:50

Instrument :

MSVOA\_U

ClientSampleId :

Tgt Ion: 95 Resp: 3447

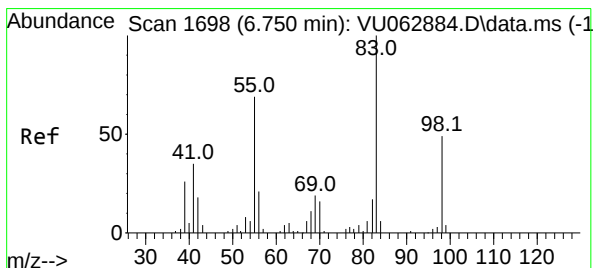
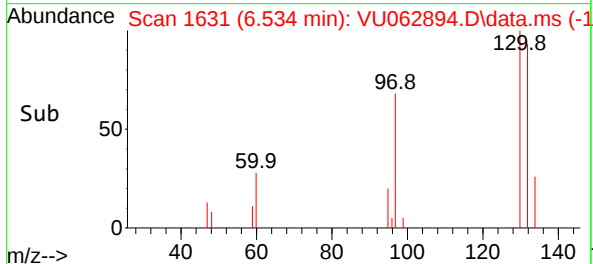
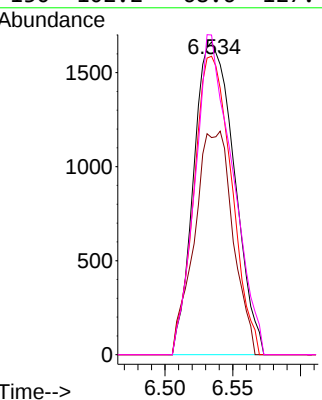
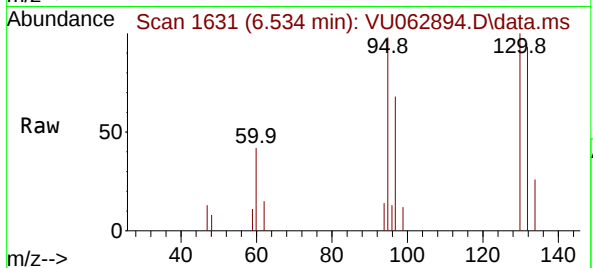
Ion Ratio Lower Upper

95 100

97 69.5 47.5 88.3

132 95.4 66.9 124.3

130 102.2 68.6 127.4



#35

Methylcyclohexane

Concen: 0.753 ug/L

RT: 6.676 min Scan# 1675

Delta R.T. -0.074 min

Lab File: VU062894.D

Acq: 18 Jan 2025 00:50

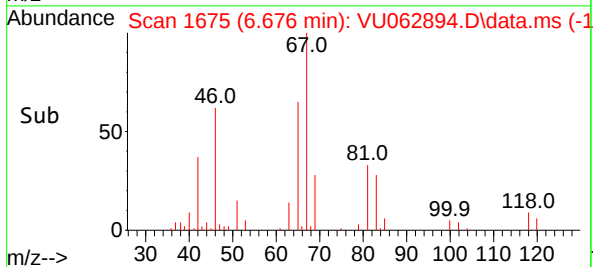
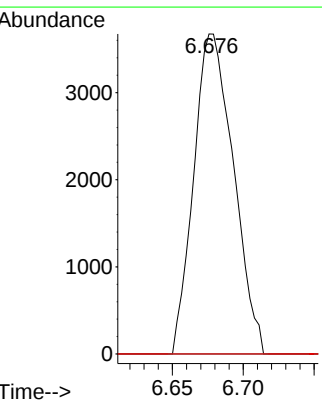
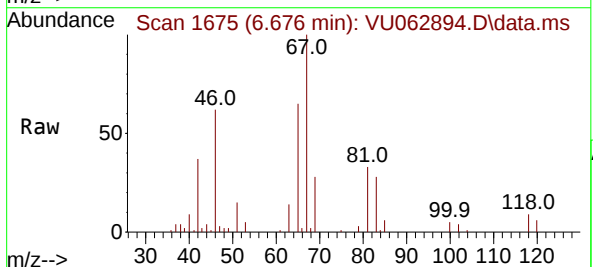
Tgt Ion: 83 Resp: 7167

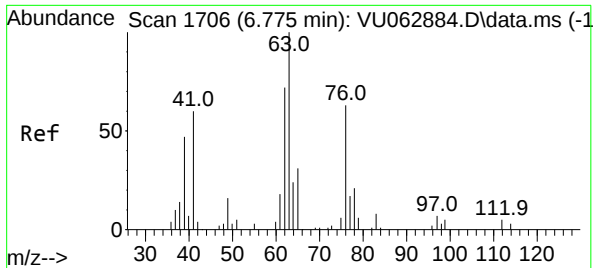
Ion Ratio Lower Upper

83 100

55 0.0 57.2 85.8#

98 0.7 36.6 55.0#

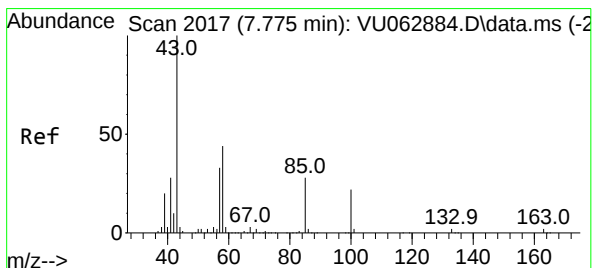
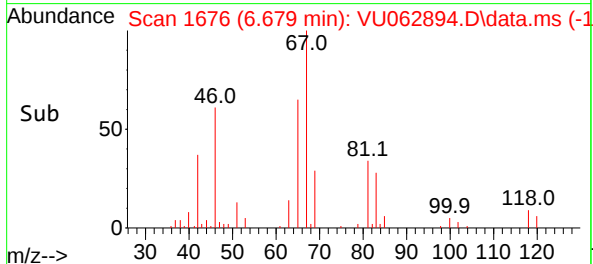
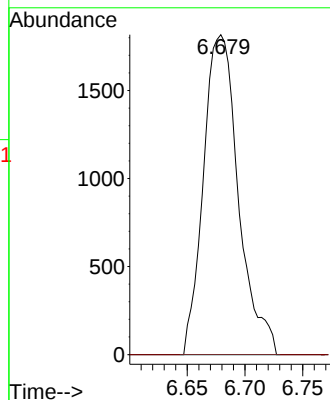
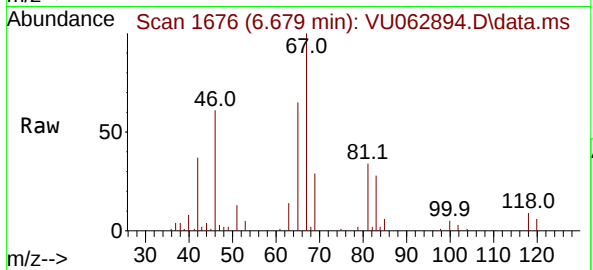




#37  
1,2-Dichloropropane  
Concen: 0.720 ug/L  
RT: 6.679 min Scan# 1  
Delta R.T. -0.096 min  
Lab File: VU062894.D  
Acq: 18 Jan 2025 00:50

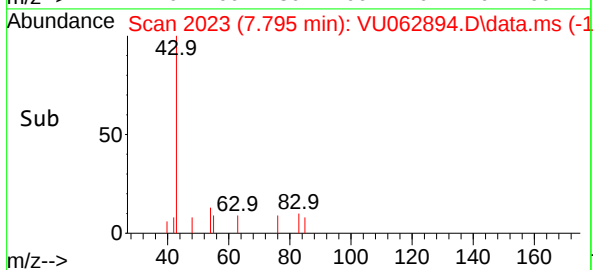
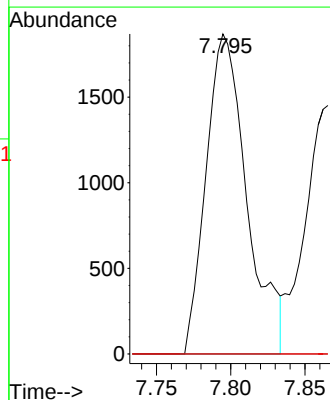
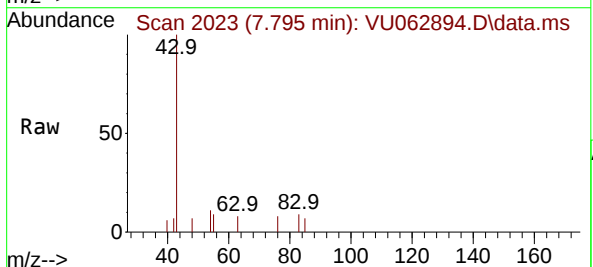
Instrument :  
MSVOA\_U  
ClientSampleId :

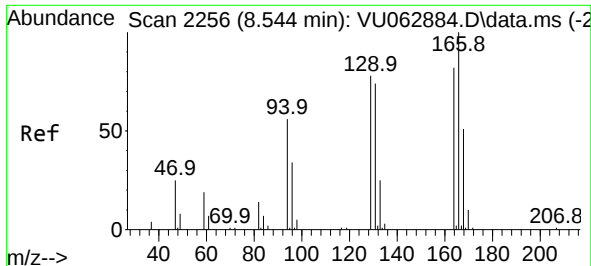
Tgt Ion: 63 Resp: 3841  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.8 5.8#



#40  
4-Methyl-2-pentanone  
Concen: 1.434 ug/L  
RT: 7.795 min Scan# 2023  
Delta R.T. 0.019 min  
Lab File: VU062894.D  
Acq: 18 Jan 2025 00:50

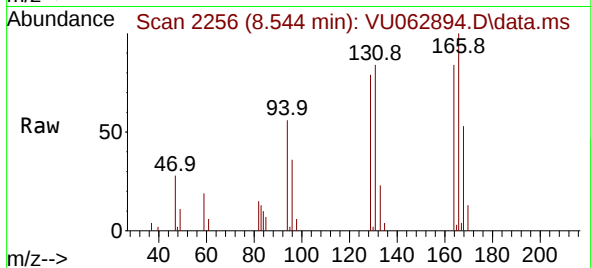
Tgt Ion: 43 Resp: 3575  
Ion Ratio Lower Upper  
43 100  
58 0.0 35.8 53.8#  
100 0.0 16.8 25.2#



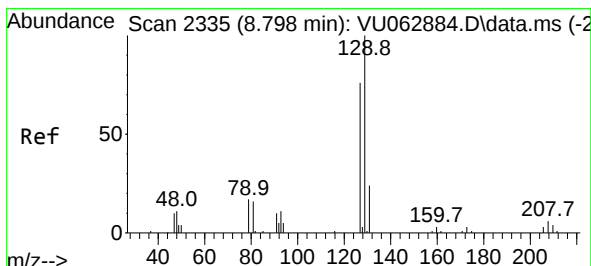
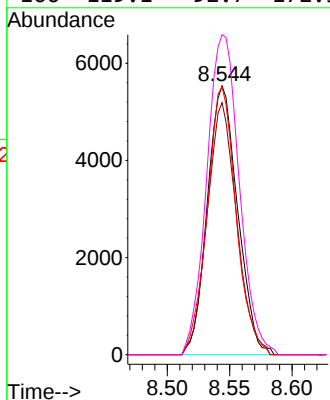
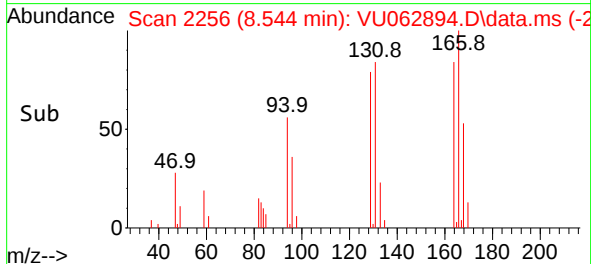


#47  
Tetrachloroethene  
Concen: 1.759 ug/L  
RT: 8.544 min Scan# 2256  
Delta R.T. -0.000 min  
Lab File: VU062894.D  
Acq: 18 Jan 2025 00:50

Instrument :  
MSVOA\_U  
ClientSampleId :

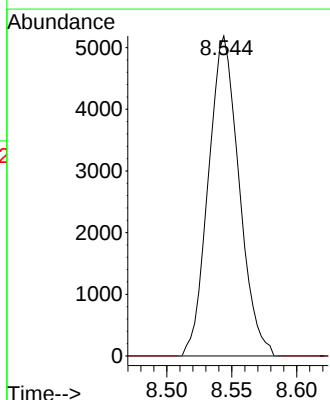
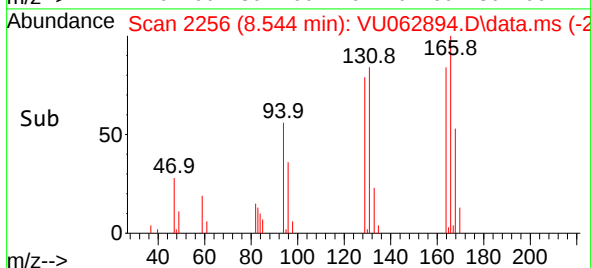
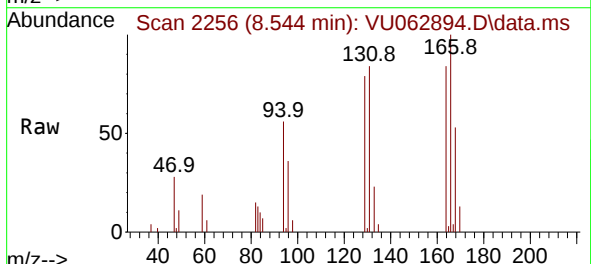


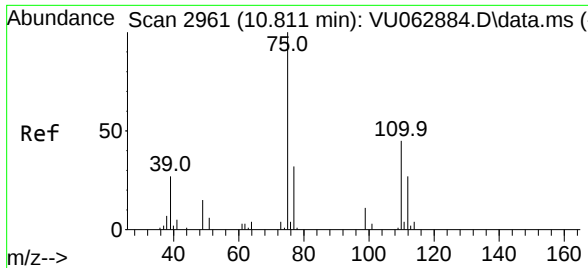
Tgt Ion:164 Resp: 9364  
Ion Ratio Lower Upper  
164 100  
129 93.8 71.0 131.9  
131 99.7 69.4 129.0  
166 119.1 92.7 172.3



#49  
Dibromochloromethane  
Concen: 1.464 ug/L  
RT: 8.544 min Scan# 2256  
Delta R.T. -0.254 min  
Lab File: VU062894.D  
Acq: 18 Jan 2025 00:50

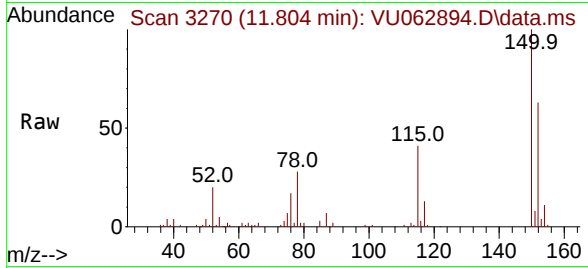
Tgt Ion:129 Resp: 8523  
Ion Ratio Lower Upper  
129 100  
127 0.0 52.1 96.9#





#61  
 1,2,3-Trichloropropane  
 Concen: 1.092 ug/L  
 RT: 11.804 min Scan# 31  
 Delta R.T. 0.993 min  
 Lab File: VU062894.D  
 Acq: 18 Jan 2025 00:50

Instrument :  
 MSVOA\_U  
 ClientSampleId :



Tgt Ion: 75 Resp: 3710  
 Ion Ratio Lower Upper  
 75 100  
 110 0.0 33.2 49.8#  
 77 40.4 25.9 38.9#

