

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU032724\  
 Data File : VU058227.D  
 Acq On : 27 Mar 2024 14:25  
 Operator : MD/SY  
 Sample : P1866-02  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Mar 28 04:47:47 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR032124WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Mar 28 04:46:03 2024  
 Response via : Initial Calibration

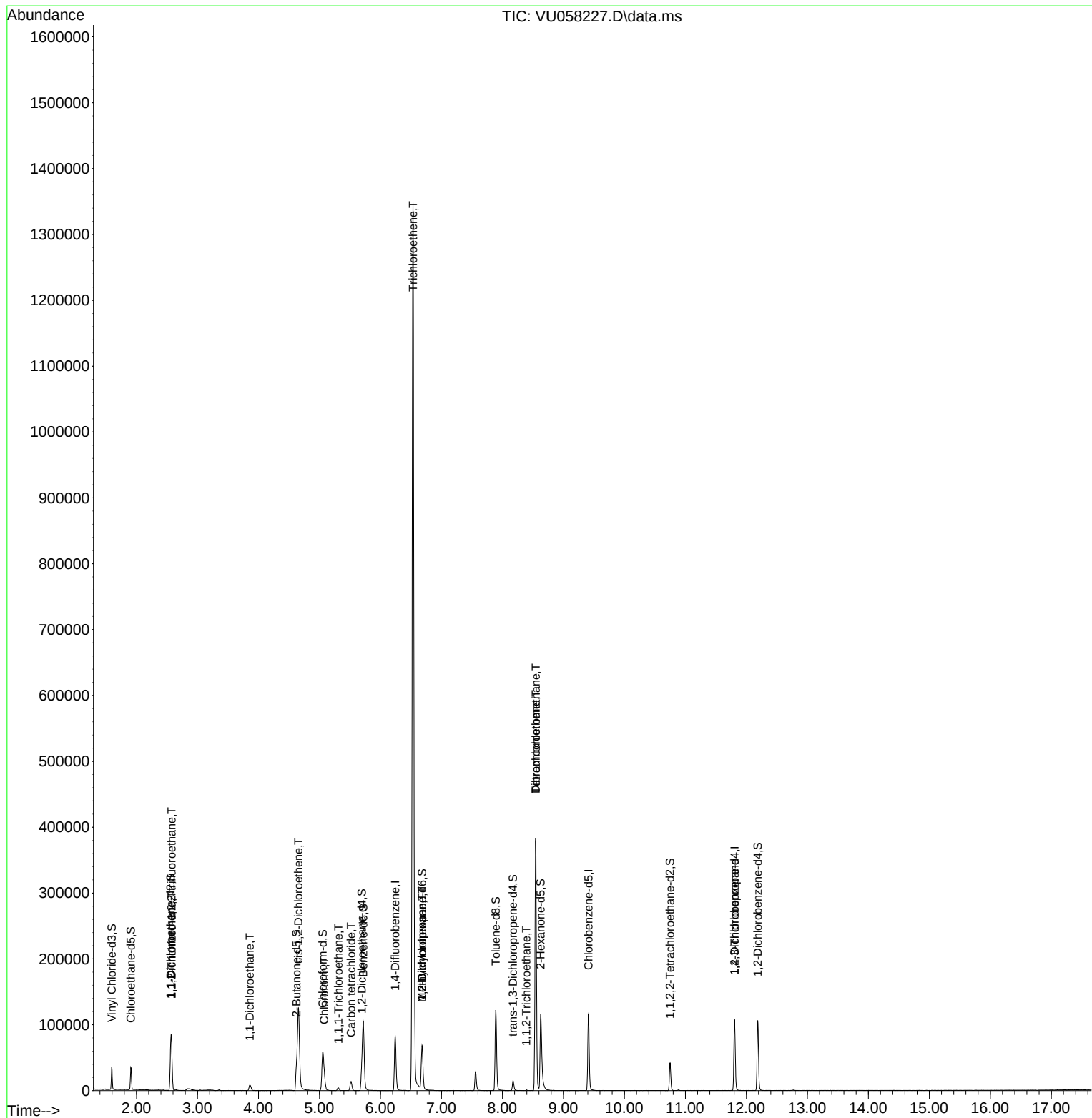
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 66969    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 64605    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 29219    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 23550    | 4.161    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 83.200%  |
| 7) Chloroethane-d5            | 1.907  | 69    | 23123    | 5.006    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 100.200% |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 10027    | 4.267    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 85.400%  |
| 20) 2-Butanone-d5             | 4.624  | 46    | 56491    | 56.187   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 112.380% |
| 24) Chloroform-d              | 5.052  | 84    | 50479    | 4.989    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 99.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 24597    | 5.200    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 104.000% |
| 32) Benzene-d6                | 5.718  | 84    | 99147    | 4.725    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 94.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 31723    | 5.129    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 102.600% |
| 41) Toluene-d8                | 7.891  | 98    | 84715    | 4.557    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 91.200%  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 9569     | 4.829    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 96.600%  |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 41674    | 51.931   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 103.860% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749 | 84    | 21560    | 5.351    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 107.000% |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 28254    | 5.193    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 103.800% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.576  | 101   | 6916     | 1.727    | ug/L   | 96       |
| 12) 1,1-Dichloroethene        | 2.576  | 96    | 11548    | 3.440    | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.859  | 63    | 10763    | 1.365    | ug/L   | 94       |
| 22) cis-1,2-Dichloroethene    | 4.657  | 96    | 59982    | 13.835   | ug/L   | 97       |
| 25) Chloroform                | 5.078  | 83    | 16632    | 2.012    | ug/L   | 97       |
| 29) 1,1,1-Trichloroethane     | 5.312  | 97    | 3428     | 0.513    | ug/L   | 96       |
| 31) Carbon tetrachloride      | 5.518  | 117   | 10065    | 1.770    | ug/L   | 95       |
| 34) Trichloroethene           | 6.534  | 95    | 457949   | 103.593  | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.685  | 83    | 7211     | 1.170    | ug/L # | 18       |
| 37) 1,2-Dichloropropane       | 6.682  | 63    | 3526     | 0.744    | ug/L # | 90       |
| 45) 1,1,2-Trichloroethane     | 8.393  | 97    | 274      | 0.092    | ug/L # | 60       |
| 47) Tetrachloroethene         | 8.547  | 164   | 79431    | 26.826   | ug/L   | 97       |
| 49) Dibromochloromethane      | 8.547  | 129   | 81409    | 24.919   | ug/L # | 10       |
| 61) 1,2,3-Trichloropropane    | 11.807 | 75    | 3919     | 1.602    | ug/L # | 68       |
| -----                         |        |       |          |          |        |          |

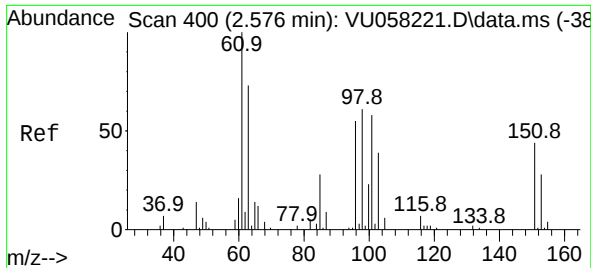
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU032724\  
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Sample : P1866-02  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Mar 28 04:47:47 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR032124WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Mar 28 04:46:03 2024  
Response via : Initial Calibration

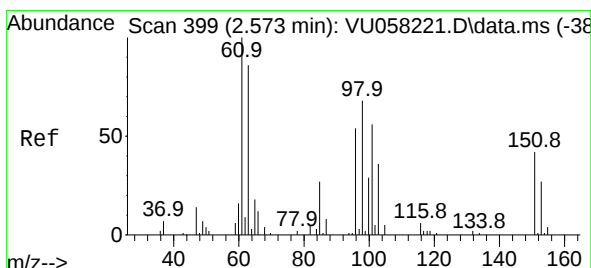
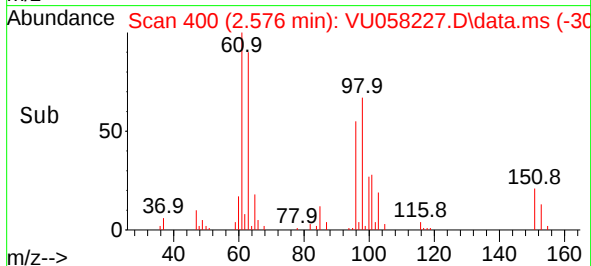
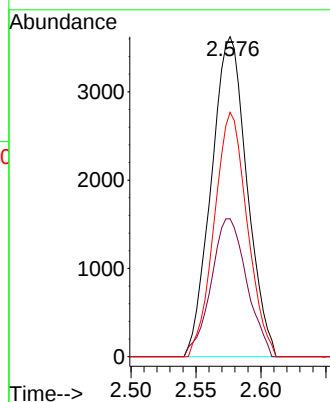
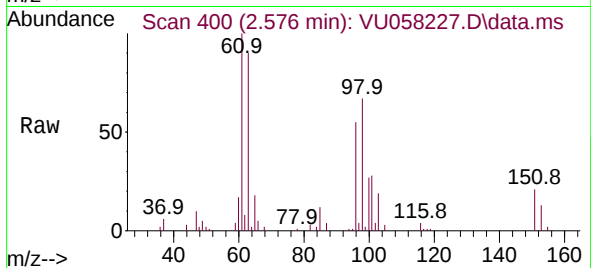




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 1.727 ug/L  
RT: 2.576 min Scan# 400  
Delta R.T. 0.000 min  
Lab File: VU058227.D  
Acq: 27 Mar 2024 14:25

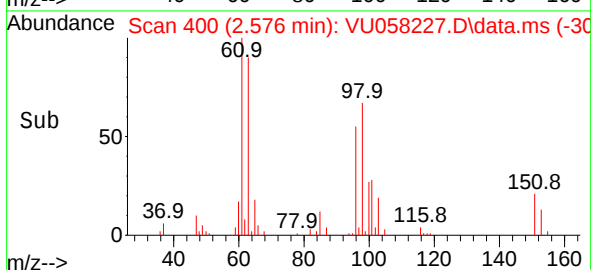
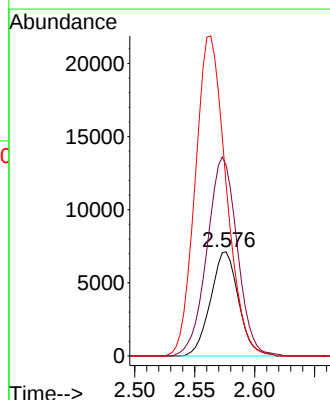
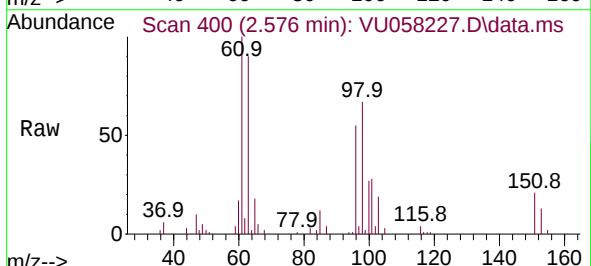
Instrument :  
MSVOA\_U  
ClientSampleId :

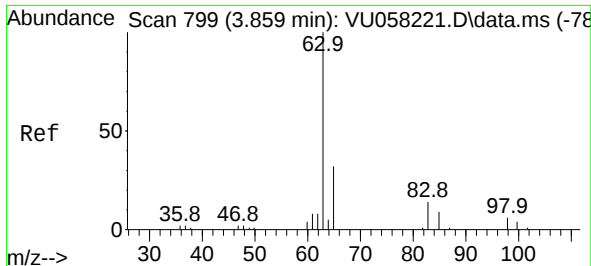
Tgt Ion:101 Resp: 6916  
Ion Ratio Lower Upper  
101 100  
85 43.0 37.9 56.9  
151 70.8 55.3 82.9



#12  
1,1-Dichloroethene  
Concen: 3.440 ug/L  
RT: 2.576 min Scan# 400  
Delta R.T. 0.003 min  
Lab File: VU058227.D  
Acq: 27 Mar 2024 14:25

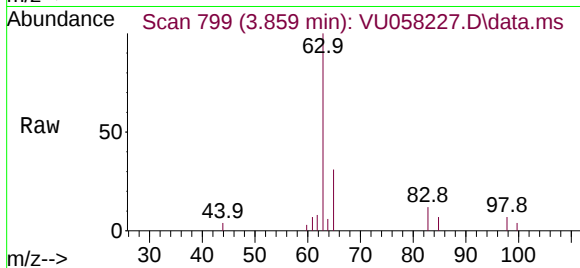
Tgt Ion: 96 Resp: 11548  
Ion Ratio Lower Upper  
96 100  
61 183.0 128.1 237.9  
63 164.5 116.8 217.0



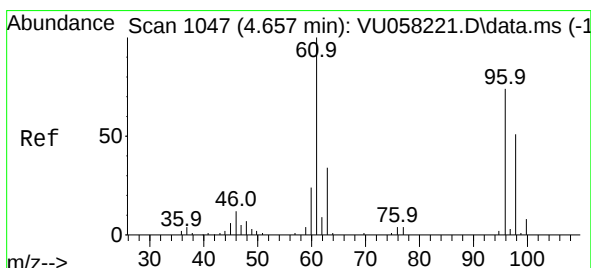
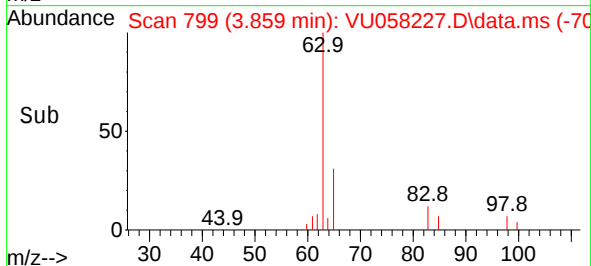
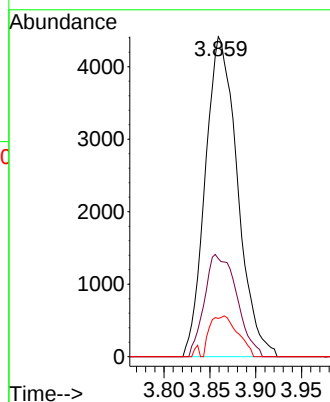


#19  
1,1-Dichloroethane  
Concen: 1.365 ug/L  
RT: 3.859 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VU058227.D  
Acq: 27 Mar 2024 14:25

Instrument :  
MSVOA\_U  
ClientSampleId :

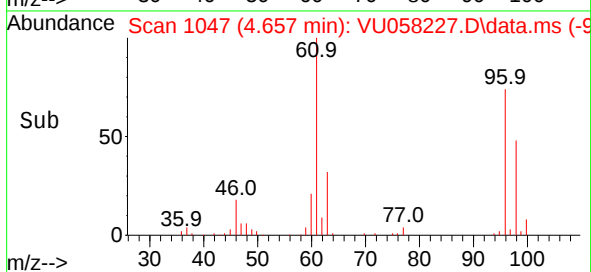
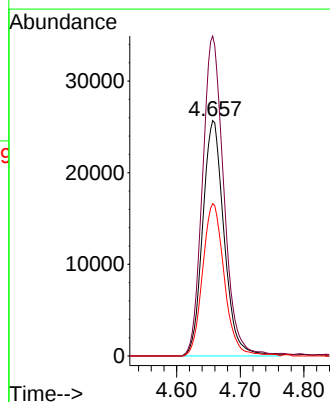
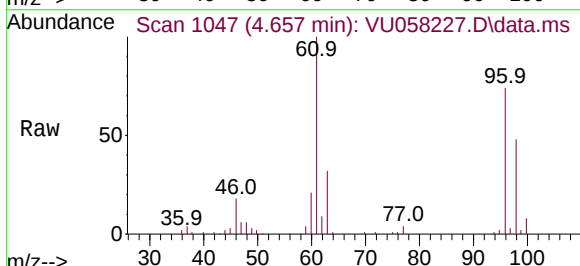


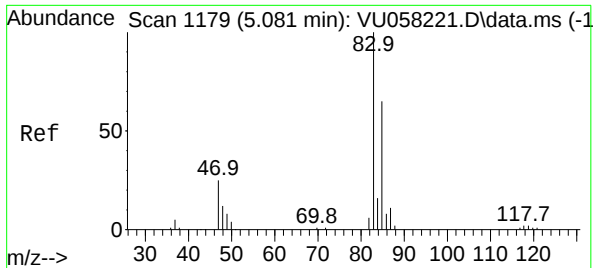
|             |             |
|-------------|-------------|
| Tgt Ion: 63 | Resp: 10763 |
| Ion Ratio   | Lower Upper |
| 63 100      |             |
| 65 29.0     | 22.3 41.5   |
| 83 11.3     | 10.0 18.6   |



#22  
cis-1,2-Dichloroethene  
Concen: 13.835 ug/L  
RT: 4.657 min Scan# 1047  
Delta R.T. 0.000 min  
Lab File: VU058227.D  
Acq: 27 Mar 2024 14:25

|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 59982 |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 61 136.0    | 92.8 172.4  |
| 98 64.7     | 43.2 80.2   |

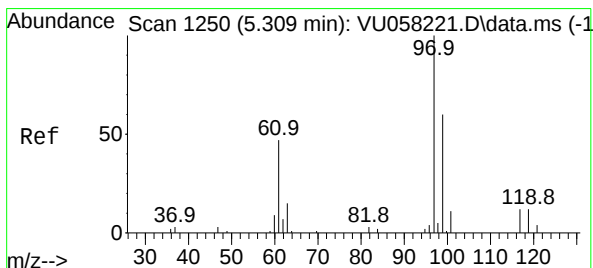
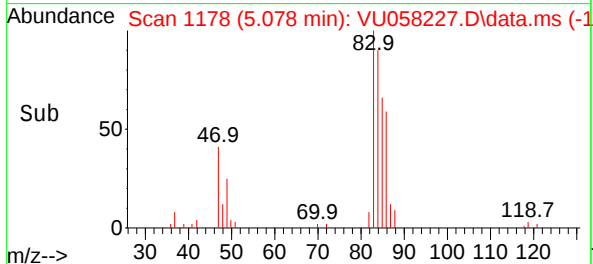
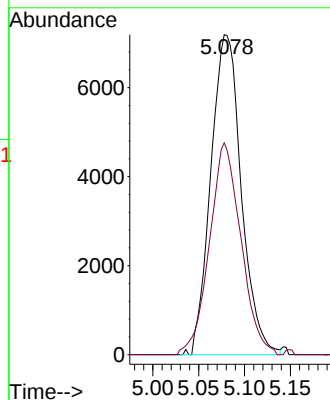
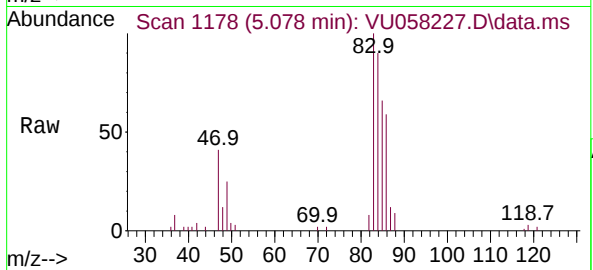




#25  
Chloroform  
Concen: 2.012 ug/L  
RT: 5.078 min Scan# 1179  
Delta R.T. -0.003 min  
Lab File: VU058227.D  
Acq: 27 Mar 2024 14:25

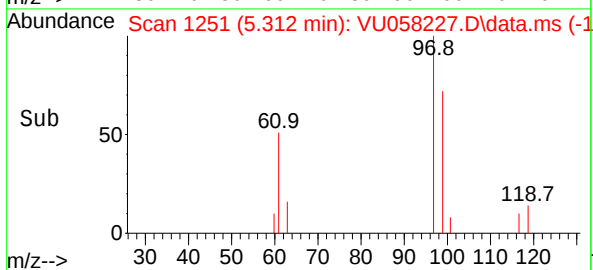
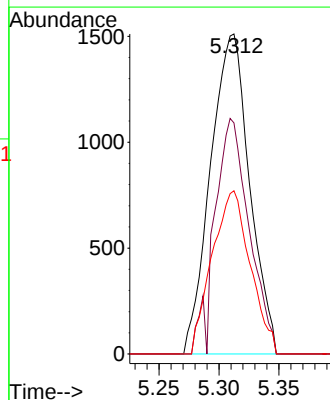
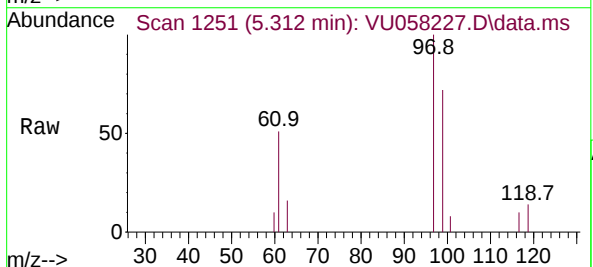
Instrument :  
MSVOA\_U  
ClientSampleId :

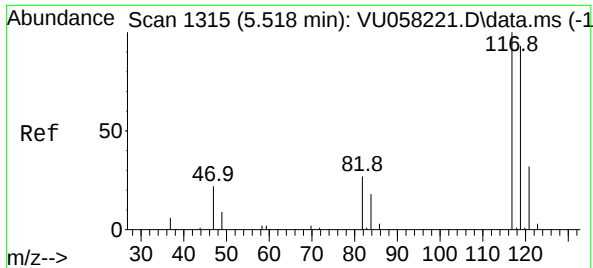
Tgt Ion: 83 Resp: 16632  
Ion Ratio Lower Upper  
83 100  
85 66.2 47.9 88.9



#29  
1,1,1-Trichloroethane  
Concen: 0.513 ug/L  
RT: 5.312 min Scan# 1251  
Delta R.T. 0.003 min  
Lab File: VU058227.D  
Acq: 27 Mar 2024 14:25

Tgt Ion: 97 Resp: 3428  
Ion Ratio Lower Upper  
97 100  
99 64.7 50.5 75.7  
61 49.8 36.3 54.5

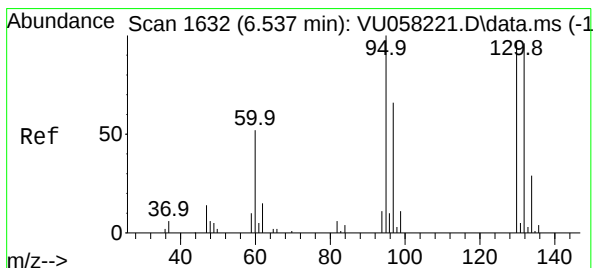
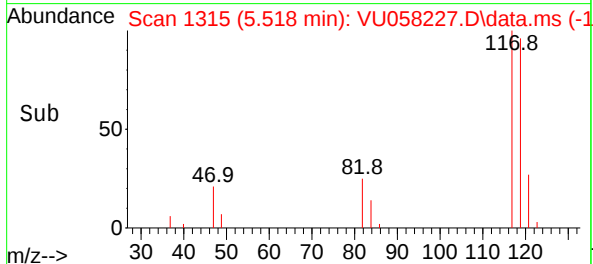
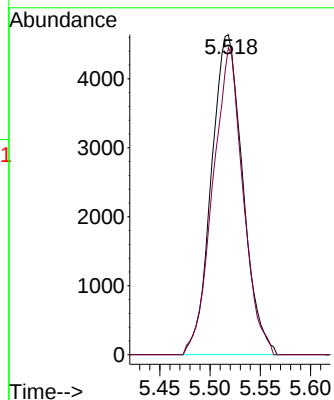
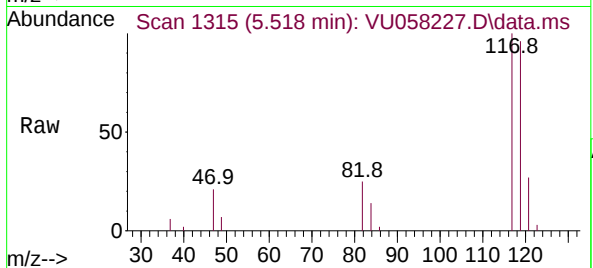




#31  
Carbon tetrachloride  
Concen: 1.770 ug/L  
RT: 5.518 min Scan# 1315  
Delta R.T. 0.000 min  
Lab File: VU058227.D  
Acq: 27 Mar 2024 14:25

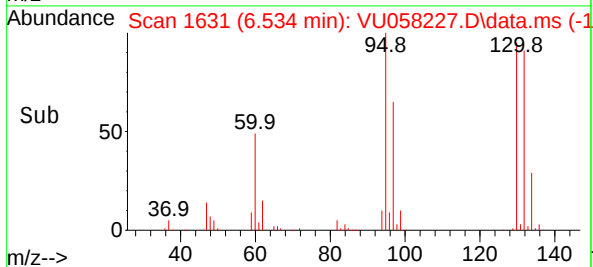
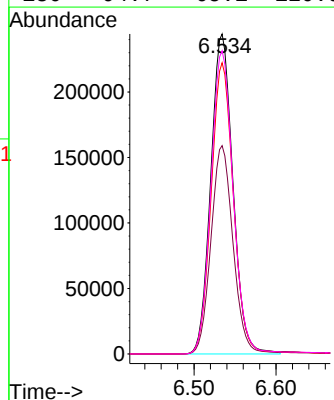
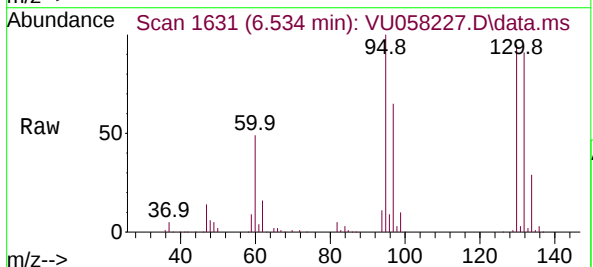
Instrument :  
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ClientSampleId :

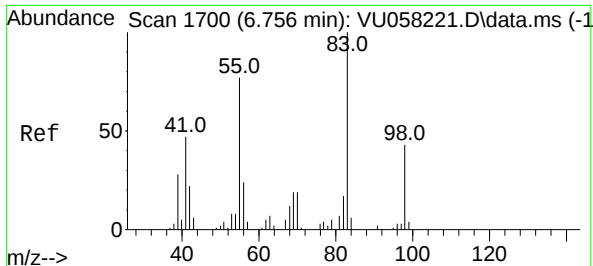
Tgt Ion:117 Resp: 10065  
Ion Ratio Lower Upper  
117 100  
119 92.3 78.1 117.1



#34  
Trichloroethene  
Concen: 103.593 ug/L  
RT: 6.534 min Scan# 1631  
Delta R.T. -0.003 min  
Lab File: VU058227.D  
Acq: 27 Mar 2024 14:25

Tgt Ion: 95 Resp: 457949  
Ion Ratio Lower Upper  
95 100  
97 65.1 47.7 88.7  
132 91.0 63.6 118.2  
130 94.7 65.1 120.9

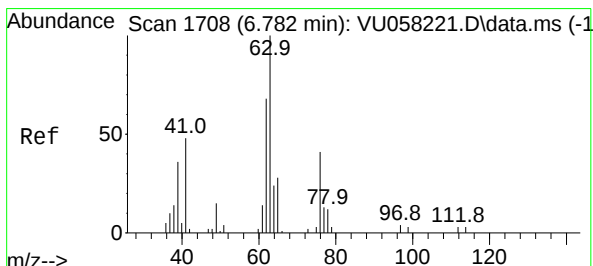
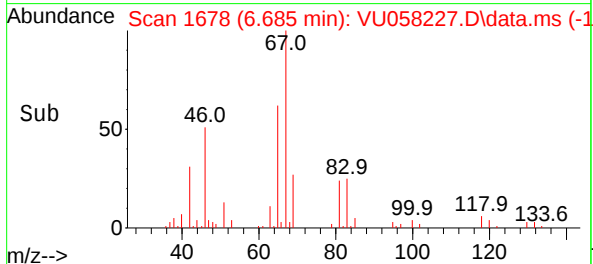
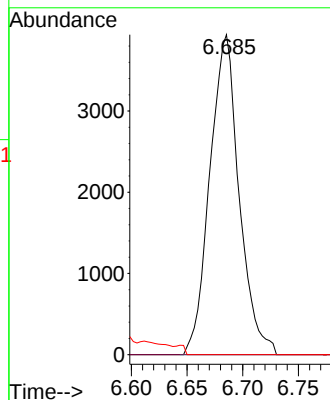
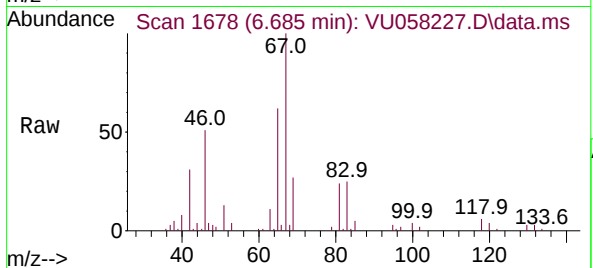




#35  
Methylcyclohexane  
Concen: 1.170 ug/L  
RT: 6.685 min Scan# 1677  
Delta R.T. -0.071 min  
Lab File: VU058227.D  
Acq: 27 Mar 2024 14:25

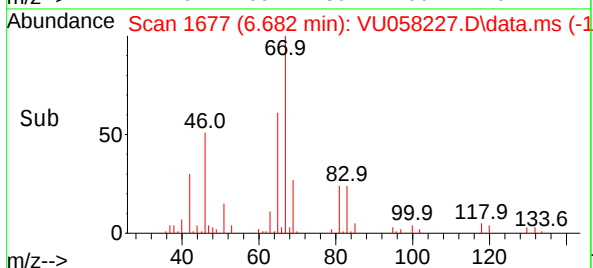
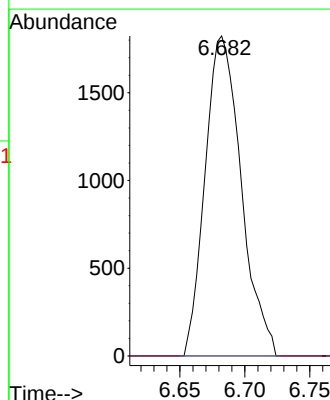
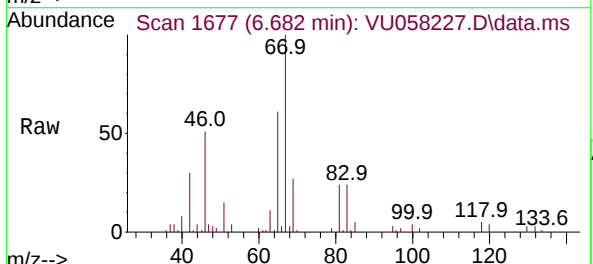
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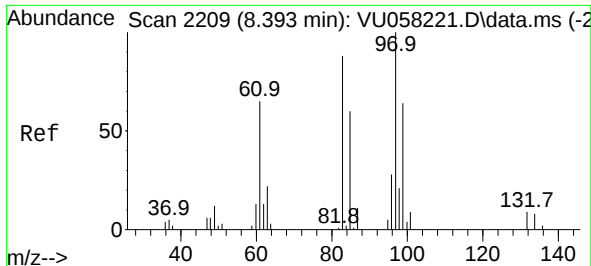
Tgt Ion: 83 Resp: 7211  
Ion Ratio Lower Upper  
83 100  
55 0.0 62.7 94.1#  
98 0.0 37.3 55.9#



#37  
1,2-Dichloropropane  
Concen: 0.744 ug/L  
RT: 6.682 min Scan# 1677  
Delta R.T. -0.100 min  
Lab File: VU058227.D  
Acq: 27 Mar 2024 14:25

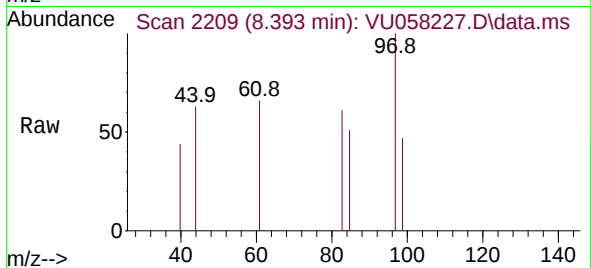
Tgt Ion: 63 Resp: 3526  
Ion Ratio Lower Upper  
63 100  
112 0.0 2.7 4.1#



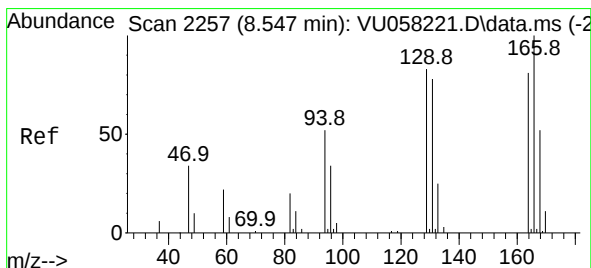
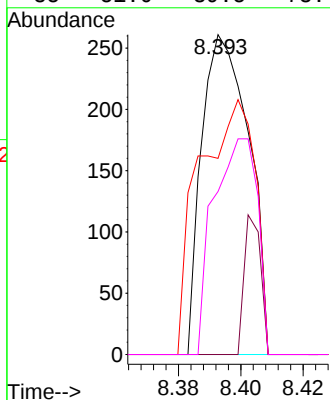
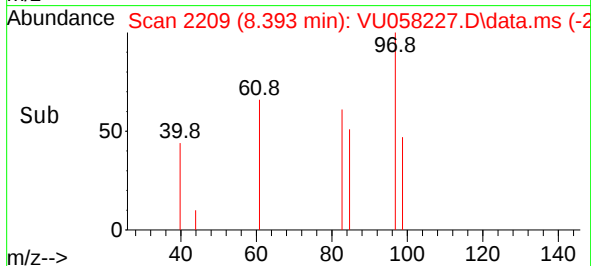


#45  
1,1,2-Trichloroethane  
Concen: 0.092 ug/L  
RT: 8.393 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU058227.D  
Acq: 27 Mar 2024 14:25

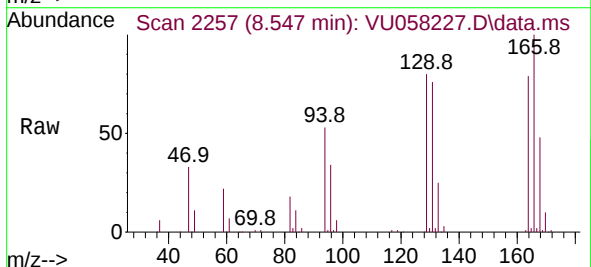
Instrument :  
MSVOA\_U  
ClientSampleId :



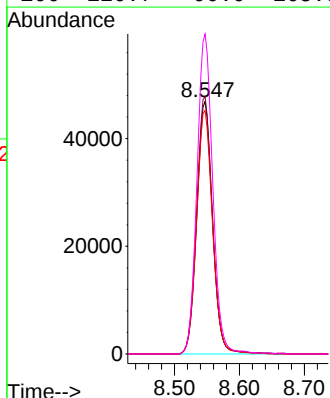
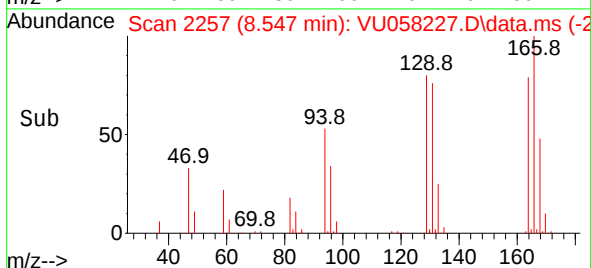
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|-------------|-------------|
| Tgt Ion: 97 | Resp: 274   |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 0.0      | 44.5 82.7#  |
| 83 61.3     | 64.1 119.1# |
| 85 51.0     | 39.5 73.4   |

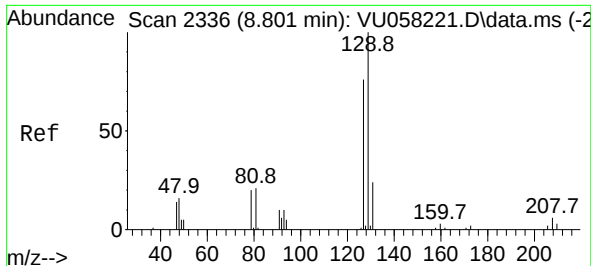


#47  
Tetrachloroethene  
Concen: 26.826 ug/L  
RT: 8.547 min Scan# 2257  
Delta R.T. 0.000 min  
Lab File: VU058227.D  
Acq: 27 Mar 2024 14:25



|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:164 | Resp: | 79431 |
| Ion | Ratio   | Lower | Upper |
| 164 | 100     |       |       |
| 129 | 101.9   | 71.3  | 132.3 |
| 131 | 96.4    | 70.8  | 131.4 |
| 166 | 126.7   | 90.9  | 168.9 |





#49

Dibromochloromethane

Concen: 24.919 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.254 min MSVOA\_U

Lab File: VU058227.D

Acq: 27 Mar 2024 14:25

Instrument :

MSVOA\_U

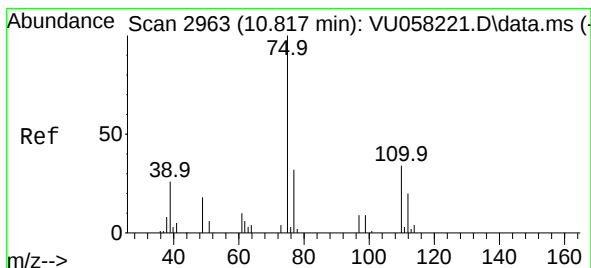
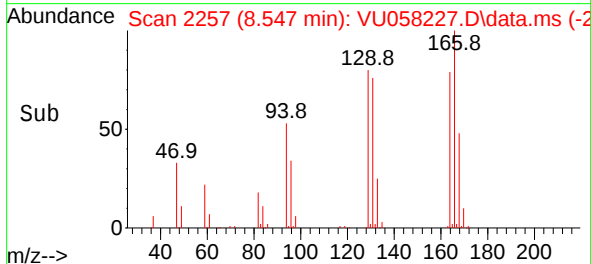
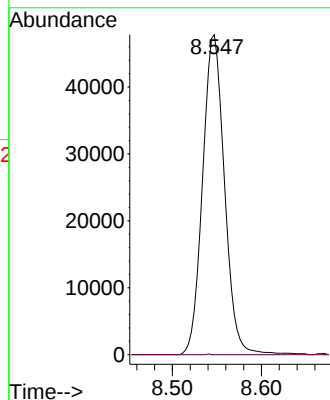
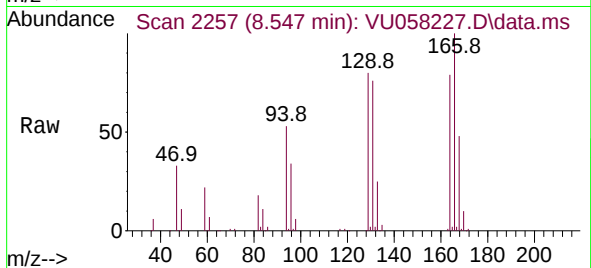
ClientSampleId :

Tgt Ion:129 Resp: 81409

Ion Ratio Lower Upper

129 100

127 0.0 55.7 103.5#



#61

1,2,3-Trichloropropane

Concen: 1.602 ug/L

RT: 11.807 min Scan# 3271

Delta R.T. 0.990 min

Lab File: VU058227.D

Acq: 27 Mar 2024 14:25

Tgt Ion: 75 Resp: 3919

Ion Ratio Lower Upper

75 100

110 0.0 28.1 42.1#

77 31.1 25.1 37.7

