

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU040524\  
 Data File : VU058442.D  
 Acq On : 06 Apr 2024 00:35  
 Operator : MD/SY  
 Sample : P1948-06  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Apr 06 05:59:53 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR040424WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Apr 06 00:37:11 2024  
 Response via : Initial Calibration

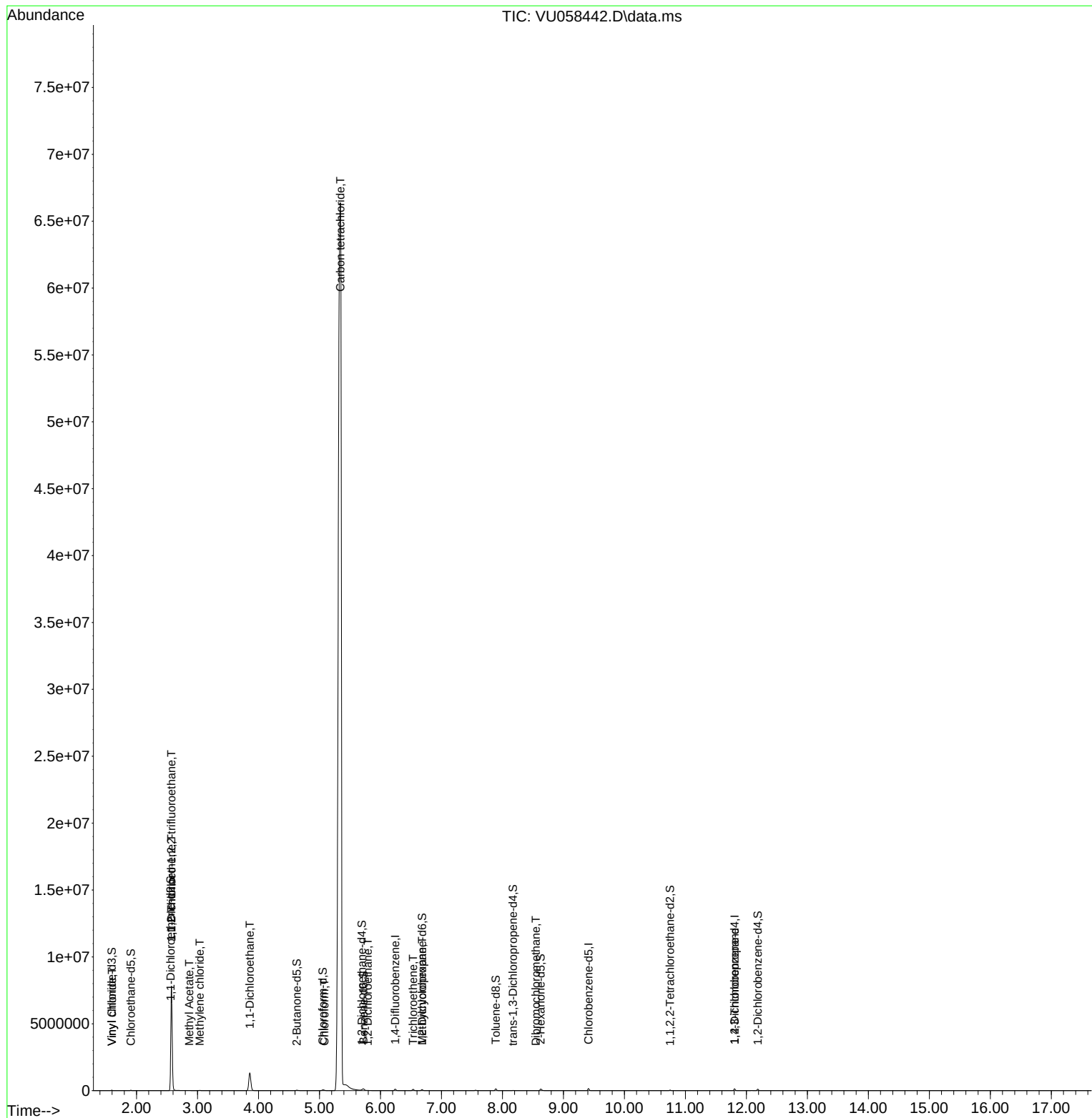
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 86888    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 83258    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 36058    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.595  | 65    | 23483    | 4.082    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 81.600%  |
| 7) Chloroethane-d5            | 1.907  | 69    | 23267    | 4.654    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 93.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 13182    | 5.063    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 101.200% |
| 20) 2-Butanone-d5             | 4.627  | 46    | 60404    | 49.826   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 99.660%  |
| 24) Chloroform-d              | 5.055  | 84    | 55179    | 4.805    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 96.200%  |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 26914    | 5.022    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 100.400% |
| 32) Benzene-d6                | 5.721  | 84    | 109943   | 4.905    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 98.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 35362    | 5.030    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 100.600% |
| 41) Toluene-d8                | 7.891  | 98    | 91415    | 4.599    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 92.000%  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 10744    | 4.924    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 98.400%  |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 44807    | 49.786   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 99.580%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749 | 84    | 22937    | 4.622    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 92.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 28937    | 4.765    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 95.200%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 5) Vinyl chloride             | 1.599  | 62    | 2936     | 0.332    | ug/L   | 85       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.573  | 101   | 5725     | 0.824    | ug/L # | 31       |
| 12) 1,1-Dichloroethene        | 2.573  | 96    | 2415810  | 392.321  | ug/L # | 77       |
| 15) Methyl Acetate            | 2.862  | 43    | 1283     | 0.526    | ug/L # | 55       |
| 16) Methylene chloride        | 3.036  | 84    | 9341     | 1.143    | ug/L   | 96       |
| 19) 1,1-Dichloroethane        | 3.859  | 63    | 1554271  | 110.339  | ug/L   | 98       |
| 25) Chloroform                | 5.081  | 83    | 20711    | 1.519    | ug/L   | 100      |
| 27) 1,2-Dichloroethane        | 5.791  | 62    | 3591     | 0.433    | ug/L # | 85       |
| 31) Carbon tetrachloride      | 5.341  | 117   | 9309402  | 984.762  | ug/L   | 100      |
| 34) Trichloroethene           | 6.534  | 95    | 35048    | 4.607    | ug/L   | 97       |
| 35) Methylcyclohexane         | 6.682  | 83    | 8015     | 0.699    | ug/L # | 18       |
| 49) Dibromochloromethane      | 8.550  | 129   | 866      | 0.162    | ug/L # | 11       |
| 61) 1,2,3-Trichloropropane    | 11.807 | 75    | 4921     | 1.338    | ug/L # | 71       |
| -----                         |        |       |          |          |        |          |

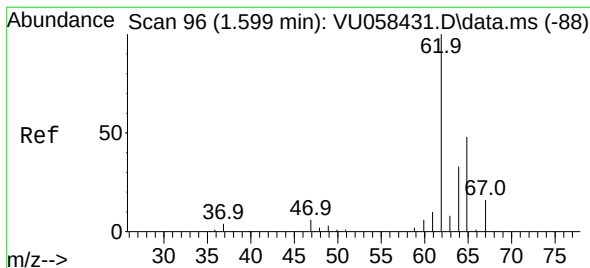
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU040524\  
Data File : VU058442.D  
Acq On : 06 Apr 2024 00:35  
Operator : MD/SY  
Sample : P1948-06  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 42 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Apr 06 05:59:53 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR040424WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Sat Apr 06 00:37:11 2024  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.332 ug/L

RT: 1.599 min Scan# 90

Delta R.T. 0.000 min

Lab File: VU058442.D

Acq: 06 Apr 2024 00:35

Instrument :

MSVOA\_U

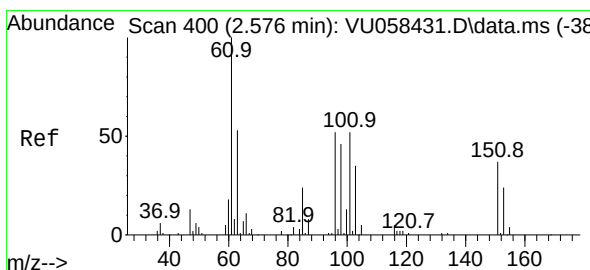
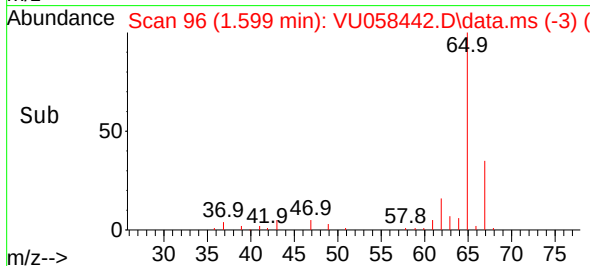
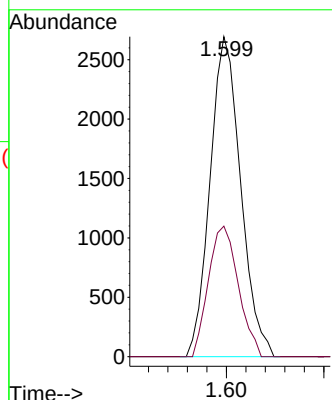
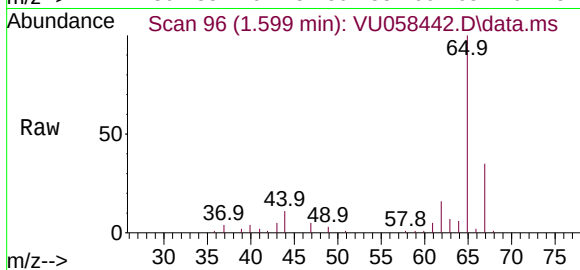
ClientSampleId :

Tgt Ion: 62 Resp: 2936

Ion Ratio Lower Upper

62 100

64 40.8 22.6 42.0



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.824 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU058442.D

Acq: 06 Apr 2024 00:35

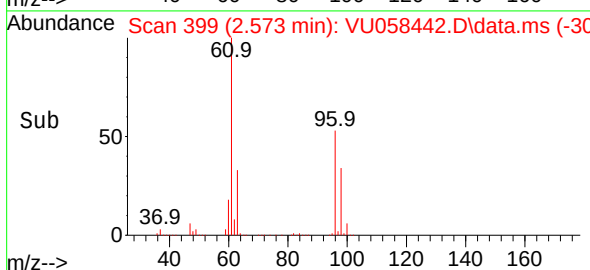
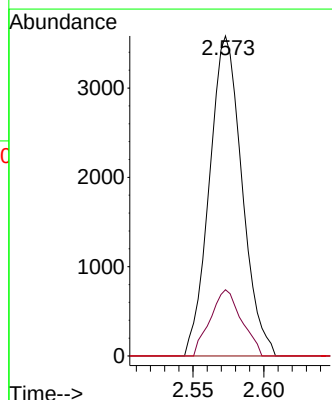
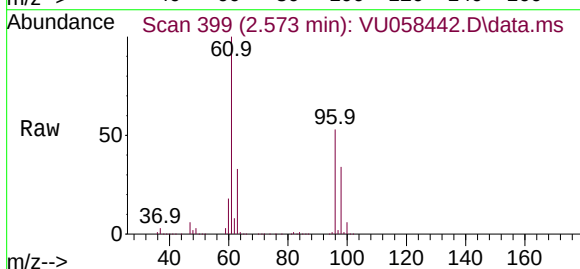
Tgt Ion: 101 Resp: 5725

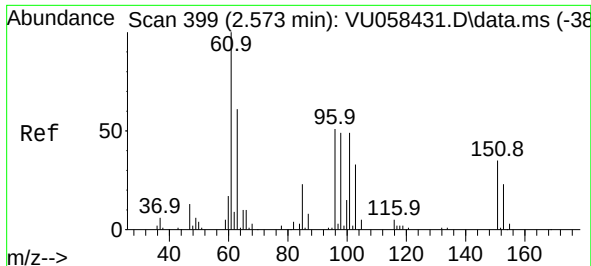
Ion Ratio Lower Upper

101 100

85 19.9 36.8 55.2#

151 0.0 58.2 87.4#





#12

1,1-Dichloroethene

Concen: 392.321 ug/L

RT: 2.573 min Scan# 399

Delta R.T. 0.000 min

Lab File: VU058442.D

Acq: 06 Apr 2024 00:35

Instrument :

MSVOA\_U

ClientSampleId :

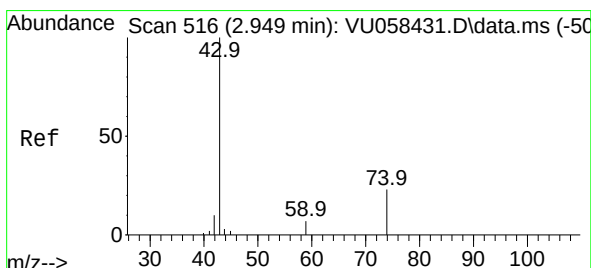
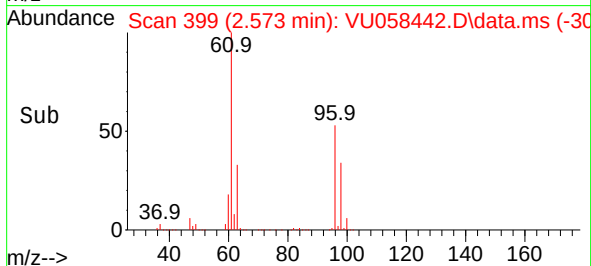
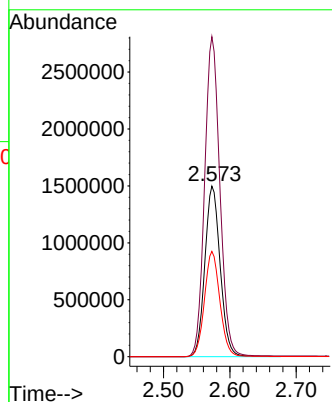
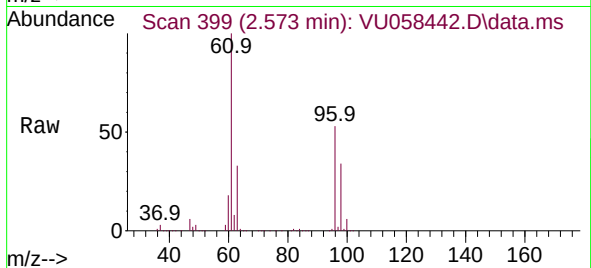
Tgt Ion: 96 Resp: 2415810

Ion Ratio Lower Upper

96 100

61 187.7 132.5 246.1

63 61.7 87.7 162.9#



#15

Methyl Acetate

Concen: 0.526 ug/L

RT: 2.862 min Scan# 489

Delta R.T. -0.087 min

Lab File: VU058442.D

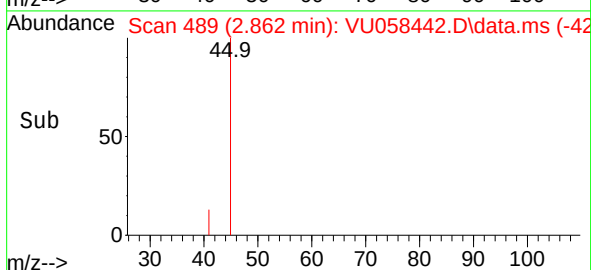
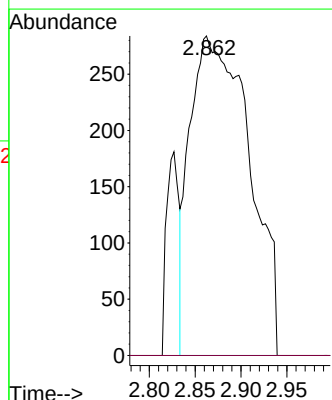
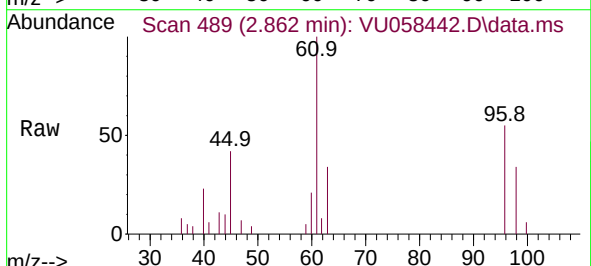
Acq: 06 Apr 2024 00:35

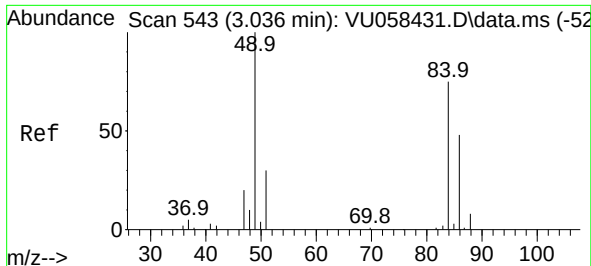
Tgt Ion: 43 Resp: 1283

Ion Ratio Lower Upper

43 100

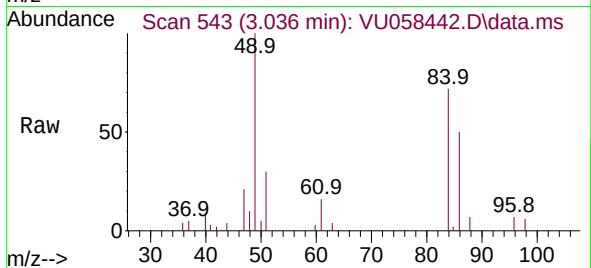
74 0.0 16.6 25.0#



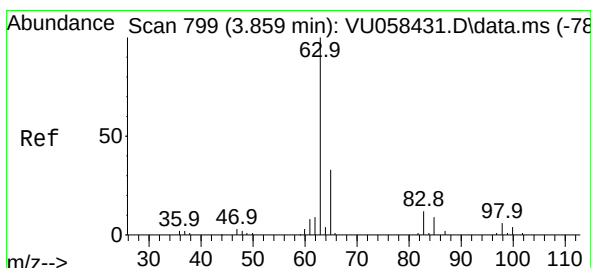
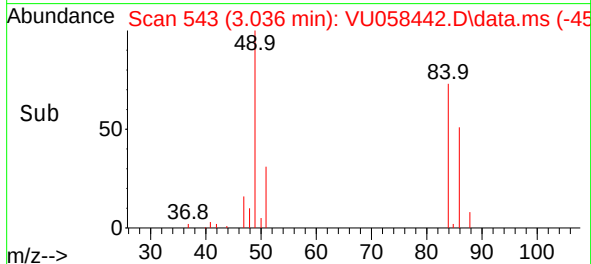
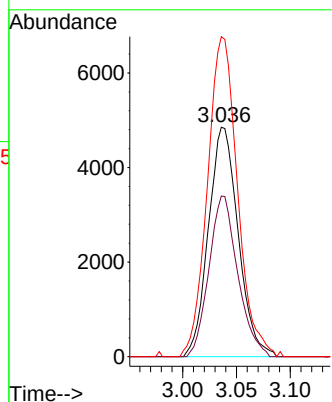


#16  
Methylene chloride  
Concen: 1.143 ug/L  
RT: 3.036 min Scan# 543  
Delta R.T. 0.000 min  
Lab File: VU058442.D  
Acq: 06 Apr 2024 00:35

Instrument :  
MSVOA\_U  
ClientSampleId :

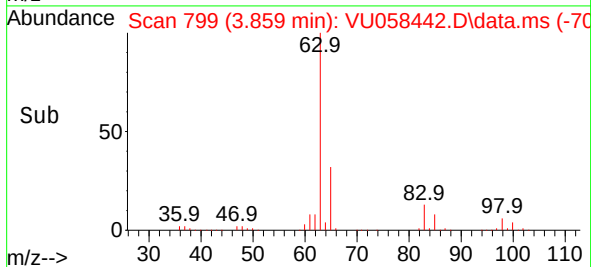
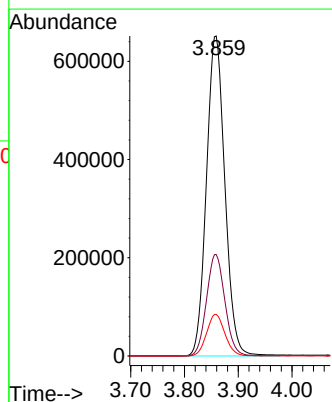
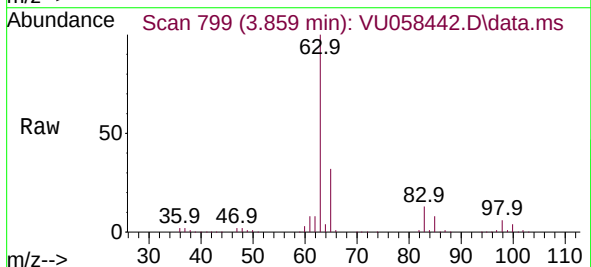


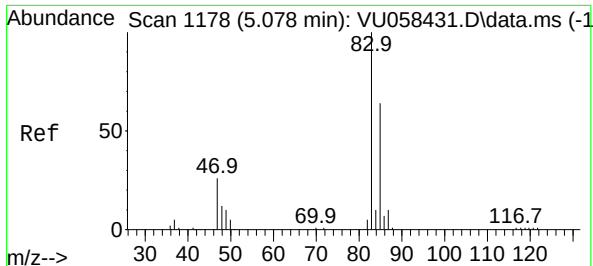
Tgt Ion: 84 Resp: 9341  
Ion Ratio Lower Upper  
84 100  
86 70.0 44.3 82.3  
49 139.5 96.0 178.2



#19  
1,1-Dichloroethane  
Concen: 110.339 ug/L  
RT: 3.859 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VU058442.D  
Acq: 06 Apr 2024 00:35

Tgt Ion: 63 Resp: 1554271  
Ion Ratio Lower Upper  
63 100  
65 31.7 22.9 42.5  
83 13.0 9.6 17.8





#25

Chloroform

Concen: 1.519 ug/L

RT: 5.081 min Scan# 1178

Delta R.T. 0.003 min

Lab File: VU058442.D

Acq: 06 Apr 2024 00:35

Instrument :

MSVOA\_U

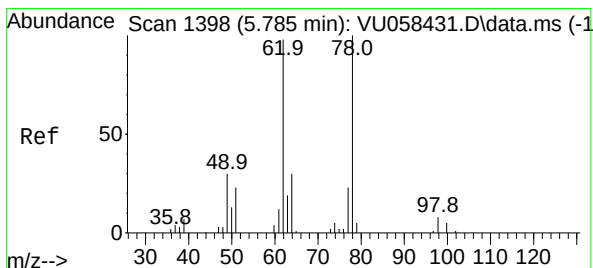
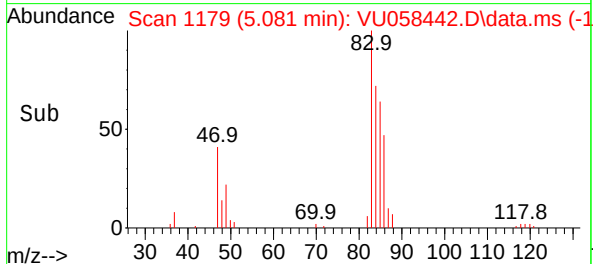
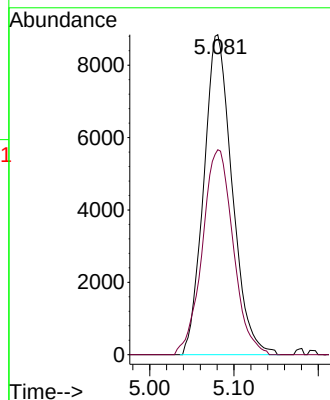
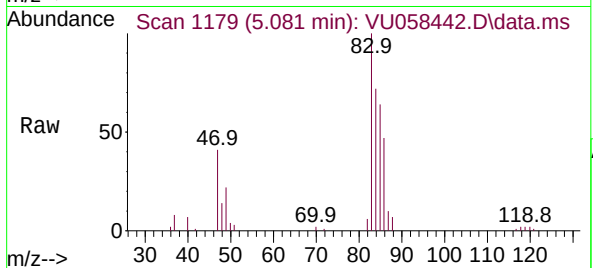
ClientSampleId :

Tgt Ion: 83 Resp: 20711

Ion Ratio Lower Upper

83 100

85 64.0 44.7 83.1



#27

1,2-Dichloroethane

Concen: 0.433 ug/L

RT: 5.791 min Scan# 1400

Delta R.T. 0.006 min

Lab File: VU058442.D

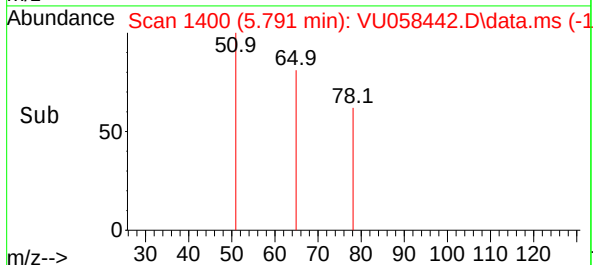
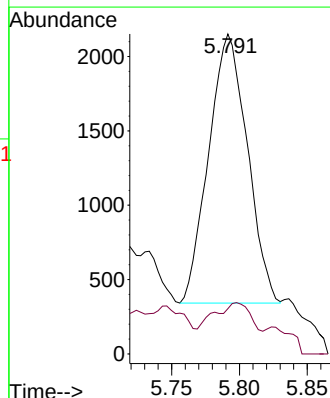
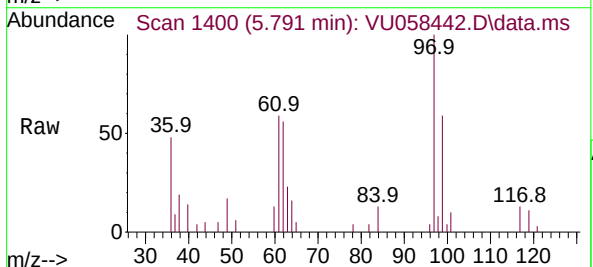
Acq: 06 Apr 2024 00:35

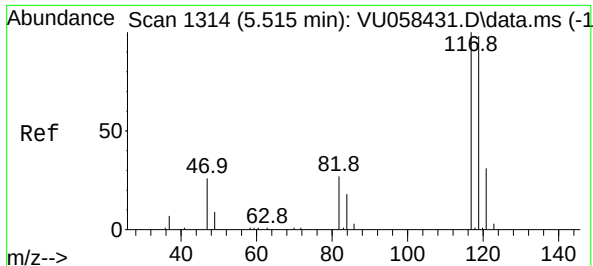
Tgt Ion: 62 Resp: 3591

Ion Ratio Lower Upper

62 100

98 14.1 7.0 10.4#

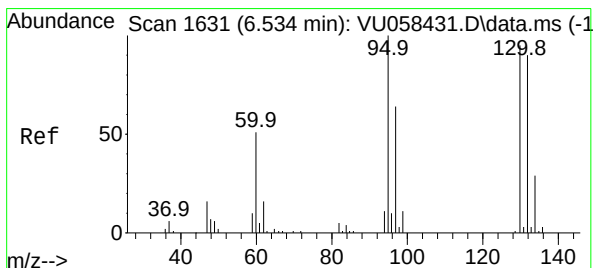
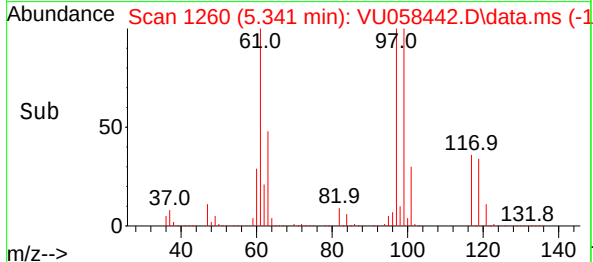
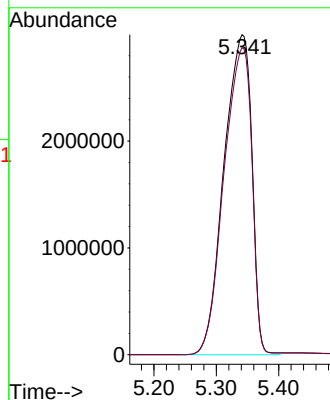
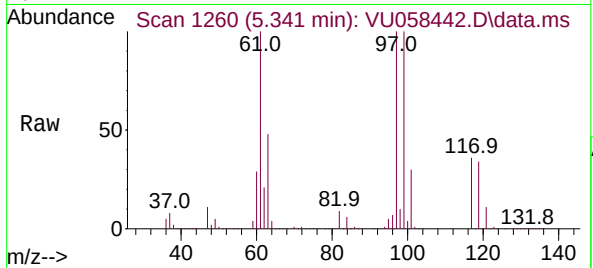




#31  
Carbon tetrachloride  
Concen: 984.762 ug/L  
RT: 5.341 min Scan# 117  
Delta R.T. -0.174 min  
Lab File: VU058442.D  
Acq: 06 Apr 2024 00:35

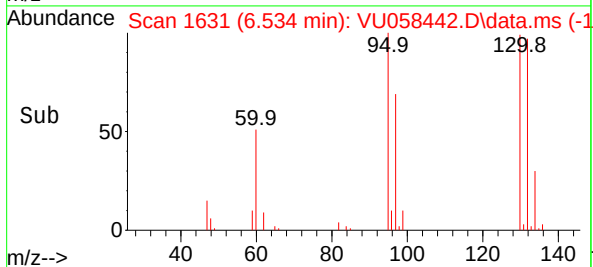
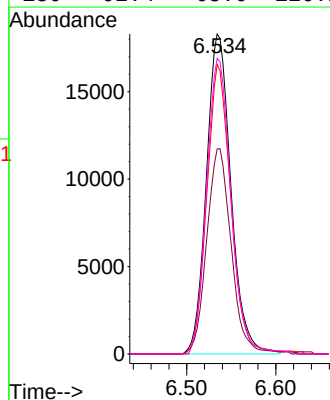
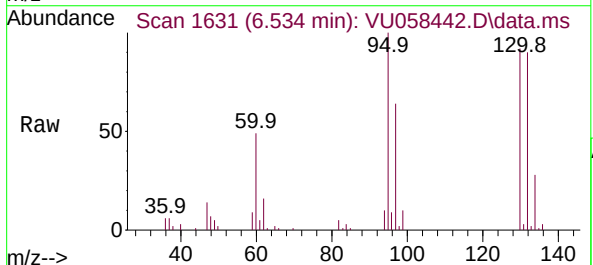
Instrument :  
MSVOA\_U  
ClientSampleId :

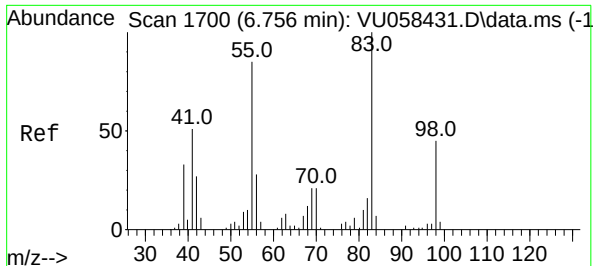
Tgt Ion:117 Resp: 9309402  
Ion Ratio Lower Upper  
117 100  
119 95.8 76.7 115.1



#34  
Trichloroethene  
Concen: 4.607 ug/L  
RT: 6.534 min Scan# 1631  
Delta R.T. 0.000 min  
Lab File: VU058442.D  
Acq: 06 Apr 2024 00:35

Tgt Ion: 95 Resp: 35048  
Ion Ratio Lower Upper  
95 100  
97 64.1 45.6 84.6  
132 90.5 64.8 120.3  
130 92.4 68.0 126.2

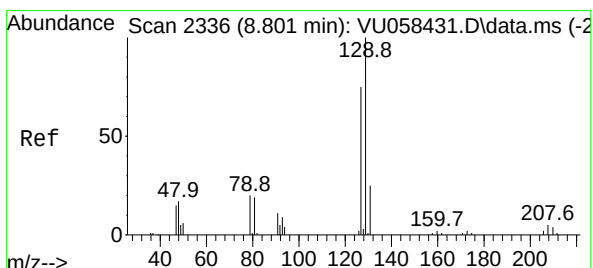
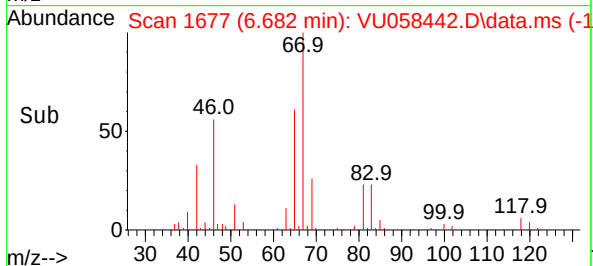
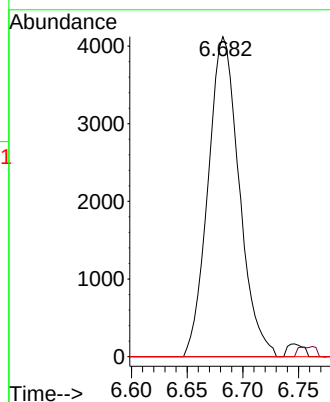
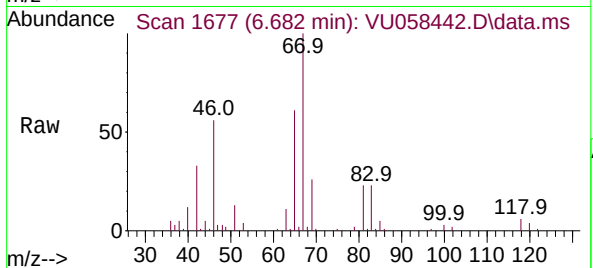




#35  
Methylcyclohexane  
Concen: 0.699 ug/L  
RT: 6.682 min Scan# 1  
Delta R.T. -0.074 min  
Lab File: VU058442.D  
Acq: 06 Apr 2024 00:35

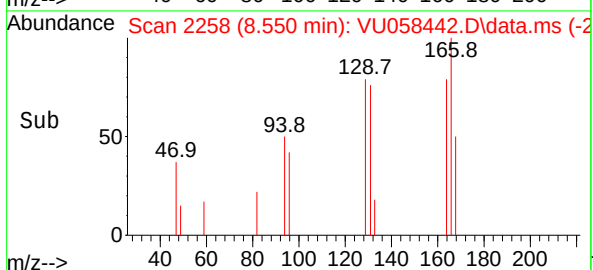
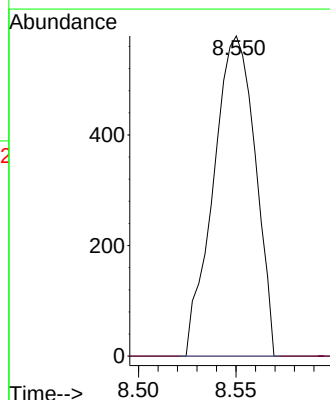
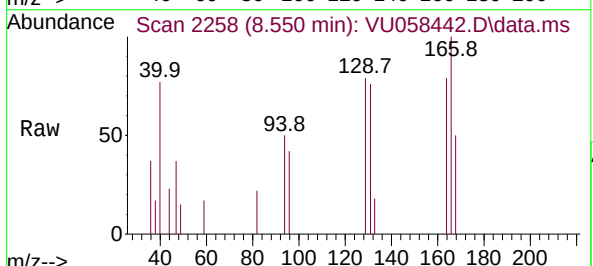
Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 83 Resp: 8015  
Ion Ratio Lower Upper  
83 100  
55 1.7 66.2 99.4#  
98 0.0 34.6 52.0#

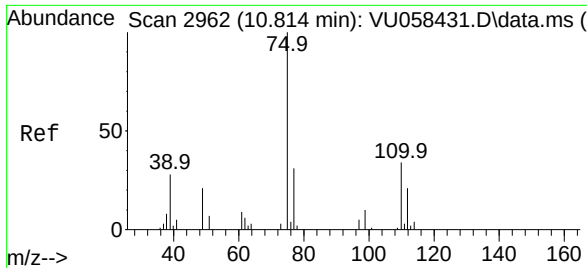


#49  
Dibromochloromethane  
Concen: 0.162 ug/L  
RT: 8.550 min Scan# 2258  
Delta R.T. -0.251 min  
Lab File: VU058442.D  
Acq: 06 Apr 2024 00:35

Tgt Ion: 129 Resp: 866  
Ion Ratio Lower Upper  
129 100  
127 0.0 53.5 99.5#

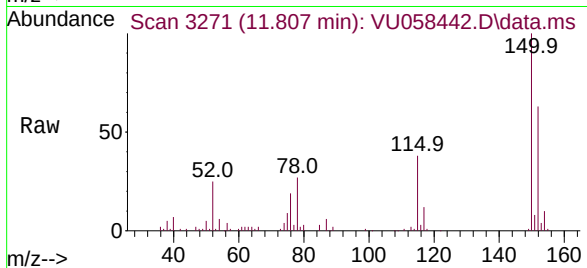






#61  
 1,2,3-Trichloropropane  
 Concen: 1.338 ug/L  
 RT: 11.807 min Scan# 31  
 Delta R.T. 0.994 min  
 Lab File: VU058442.D  
 Acq: 06 Apr 2024 00:35

Instrument :  
 MSVOA\_U  
 ClientSampleId :



Tgt Ion: 75 Resp: 4921  
 Ion Ratio Lower Upper  
 75 100  
 110 0.0 25.8 38.6#  
 77 31.6 25.1 37.7

