

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU012924\  
 Data File : VU057706.D  
 Acq On : 29 Jan 2024 09:19  
 Operator : MD/SY  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jan 30 00:27:54 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR012324WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Mon Jan 29 00:26:20 2024  
 Response via : Initial Calibration

| Compound                      | R.T. QIon |                | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|-----------|----------------|----------|------------|--------|----------|
| -----                         |           |                |          |            |        |          |
| Internal Standards            |           |                |          |            |        |          |
| 1) 1,4-Difluorobenzene        | 6.245     | 114            | 70232    | 5.000      | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412     | 117            | 63865    | 5.000      | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807    | 152            | 29427    | 5.000      | ug/L   | 0.00     |
| System Monitoring Compounds   |           |                |          |            |        |          |
| 4) Vinyl Chloride-d3          | 1.599     | 65             | 22547    | 5.827      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 40 - 130 | Recovery | = 116.600% |        |          |
| 7) Chloroethane-d5            | 1.910     | 69             | 19395    | 5.982      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 65 - 130 | Recovery | = 119.600% |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.563     | 65             | 10153    | 5.580      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 60 - 125 | Recovery | = 111.600% |        |          |
| 20) 2-Butanone-d5             | 4.624     | 46             | 41021    | 56.194     | ug/L   | 0.00     |
| Spiked Amount                 | 50.000    | Range 40 - 130 | Recovery | = 112.380% |        |          |
| 24) Chloroform-d              | 5.055     | 84             | 43154    | 5.494      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 125 | Recovery | = 109.800% |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.695     | 65             | 20742    | 5.811      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 130 | Recovery | = 116.200% |        |          |
| 32) Benzene-d6                | 5.721     | 84             | 83762    | 5.591      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 125 | Recovery | = 111.800% |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.685     | 67             | 25132    | 5.562      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 60 - 140 | Recovery | = 111.200% |        |          |
| 41) Toluene-d8                | 7.894     | 98             | 77176    | 5.427      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 130 | Recovery | = 108.600% |        |          |
| 43) trans-1,3-Dichloroprop... | 8.177     | 79             | 9877     | 5.485      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 55 - 130 | Recovery | = 109.600% |        |          |
| 46) 2-Hexanone-d5             | 8.630     | 63             | 35513    | 61.808     | ug/L   | 0.00     |
| Spiked Amount                 | 50.000    | Range 45 - 130 | Recovery | = 123.620% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749    | 84             | 17184    | 5.674      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 65 - 120 | Recovery | = 113.400% |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.190    | 152            | 23853    | 5.776      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 80 - 120 | Recovery | = 115.600% |        |          |
| Target Compounds              |           |                |          |            |        |          |
|                               |           |                |          |            | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.383     | 85             | 24090    | 4.048      | ug/L   | 99       |
| 3) Chloromethane              | 1.518     | 50             | 24693    | 4.147      | ug/L   | 99       |
| 5) Vinyl chloride             | 1.602     | 62             | 26608    | 4.198      | ug/L   | 100      |
| 6) Bromomethane               | 1.856     | 94             | 13162    | 3.983      | ug/L   | 96       |
| 8) Chloroethane               | 1.933     | 64             | 18007    | 4.744      | ug/L   | 93       |
| 9) Trichlorofluoromethane     | 2.136     | 101            | 40689    | 4.310      | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.576     | 101            | 23089    | 4.207      | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.576     | 96             | 20619    | 4.040      | ug/L   | 92       |
| 13) Acetone                   | 2.637     | 43             | 27383    | 39.476     | ug/L   | 98       |
| 14) Carbon disulfide          | 2.788     | 76             | 66386    | 4.012      | ug/L   | 99       |
| 15) Methyl Acetate            | 2.949     | 43             | 7398     | 4.145      | ug/L   | 91       |
| 16) Methylene chloride        | 3.042     | 84             | 22270    | 4.065      | ug/L   | 95       |
| 17) Methyl tert-butyl Ether   | 3.354     | 73             | 52778    | 4.348      | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.348     | 96             | 22279    | 4.144      | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.862     | 63             | 42726    | 4.304      | ug/L   | 100      |
| 21) 2-Butanone                | 4.705     | 43             | 44007    | 40.445     | ug/L   | 96       |
| 22) cis-1,2-Dichloroethene    | 4.660     | 96             | 25008    | 4.327      | ug/L   | 99       |
| 23) Bromochloromethane        | 4.968     | 128            | 10089    | 4.345      | ug/L   | 98       |
| 25) Chloroform                | 5.081     | 83             | 45390    | 4.309      | ug/L   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU012924\  
 Data File : VU057706.D  
 Acq On : 29 Jan 2024 09:19  
 Operator : MD/SY  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jan 30 00:27:54 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR012324WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Mon Jan 29 00:26:20 2024  
 Response via : Initial Calibration

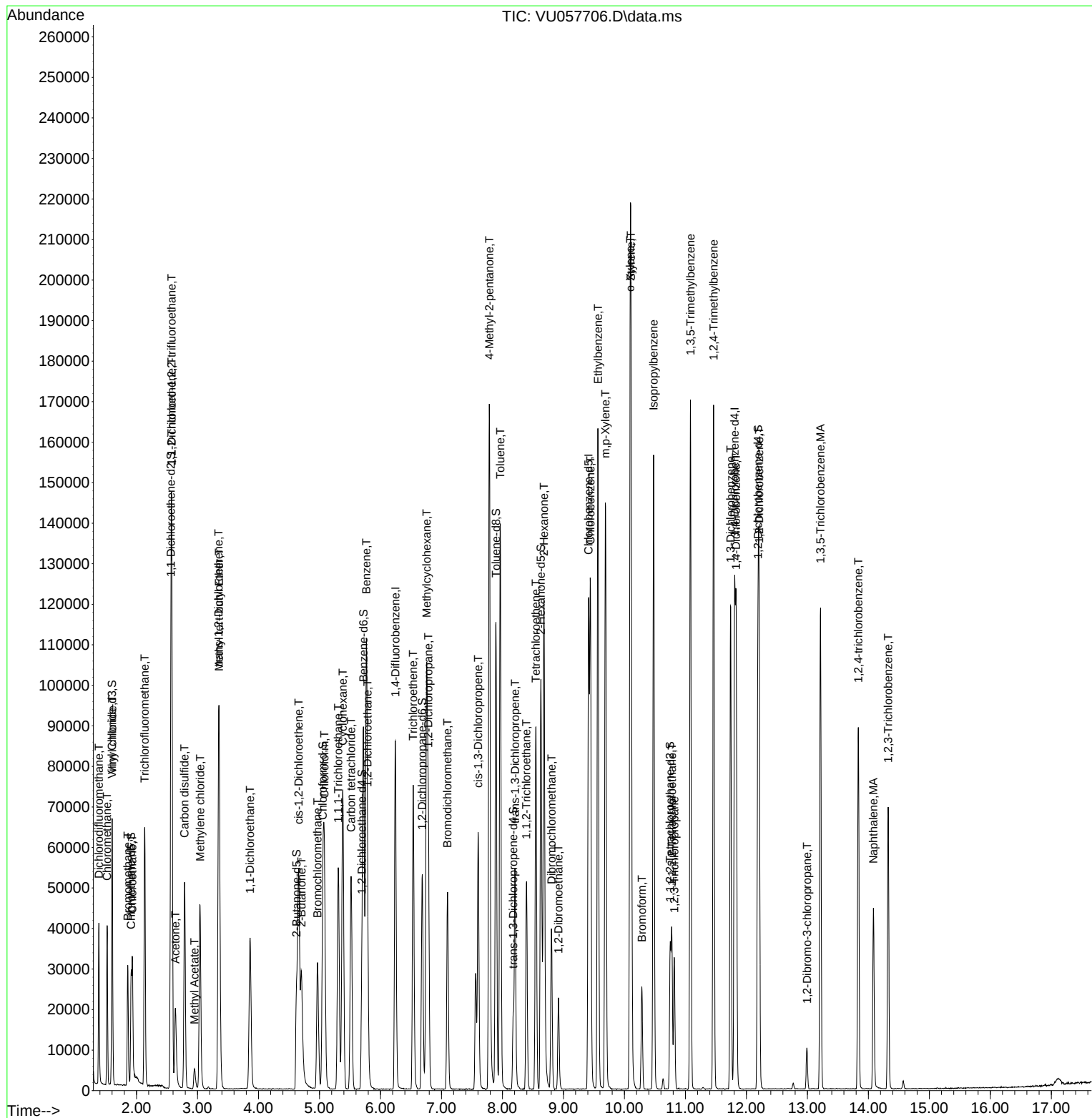
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.788  | 62   | 27967    | 4.558  | ug/L  | 98       |
| 29) 1,1,1-Trichloroethane     | 5.309  | 97   | 40436    | 4.313  | ug/L  | 99       |
| 30) Cyclohexane               | 5.383  | 56   | 38456    | 4.252  | ug/L  | 98       |
| 31) Carbon tetrachloride      | 5.518  | 117  | 35825    | 4.332  | ug/L  | 99       |
| 33) Benzene                   | 5.769  | 78   | 95096    | 4.341  | ug/L  | 100      |
| 34) Trichloroethene           | 6.537  | 95   | 25696    | 4.255  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.759  | 83   | 41649    | 4.269  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.785  | 63   | 24277    | 4.430  | ug/L  | 98       |
| 38) Bromodichloromethane      | 7.100  | 83   | 31661    | 4.293  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.602  | 75   | 37317    | 4.381  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.785  | 43   | 112688   | 43.093 | ug/L  | 100      |
| 42) Toluene                   | 7.965  | 91   | 101519   | 4.298  | ug/L  | 97       |
| 44) trans-1,3-Dichloropropene | 8.206  | 75   | 30676    | 4.432  | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 8.393  | 97   | 15618    | 4.382  | ug/L  | 99       |
| 47) Tetrachloroethene         | 8.547  | 164  | 18392    | 4.144  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.682  | 43   | 79334    | 43.235 | ug/L  | 97       |
| 49) Dibromochloromethane      | 8.804  | 129  | 19742    | 4.277  | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 8.920  | 107  | 14962    | 4.325  | ug/L  | 98       |
| 51) Chlorobenzene             | 9.444  | 112  | 63352    | 4.276  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.566  | 91   | 114167   | 4.290  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.688  | 106  | 41152    | 4.191  | ug/L  | 96       |
| 54) o-Xylene                  | 10.097 | 106  | 41092    | 4.293  | ug/L  | 98       |
| 55) Styrene                   | 10.109 | 104  | 61758    | 4.217  | ug/L  | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 10.778 | 83   | 19062    | 4.408  | ug/L  | 99       |
| 59) Bromoform                 | 10.286 | 173  | 10926    | 4.571  | ug/L  | 99       |
| 60) Isopropylbenzene          | 10.479 | 105  | 101040   | 4.382  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.817 | 75   | 13582    | 4.599  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 89888    | 4.374  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 91366    | 4.443  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.743 | 146  | 45642    | 4.337  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.833 | 146  | 44297    | 4.397  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.209 | 146  | 41950    | 4.467  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.994 | 75   | 2908     | 5.230  | ug/L  | 99       |
| 69) 1,3,5-Trichlorobenzene    | 13.215 | 180  | 35136    | 4.548  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.836 | 180  | 26665    | 4.712  | ug/L  | 99       |
| 71) Naphthalene               | 14.084 | 128  | 37330    | 4.660  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 20697    | 4.699  | ug/L  | 98       |

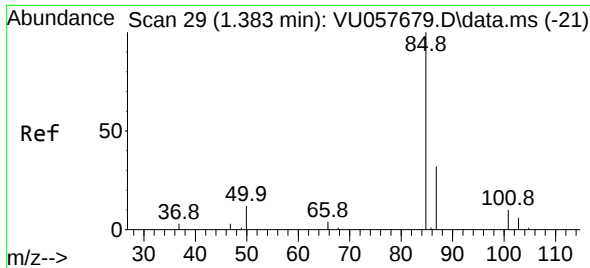
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU012924\  
Data File : VU057706.D  
Acq On : 29 Jan 2024 09:19  
Operator : MD/SY  
Sample : VSTDCCC005  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Jan 30 00:27:54 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR012324WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Mon Jan 29 00:26:20 2024  
Response via : Initial Calibration

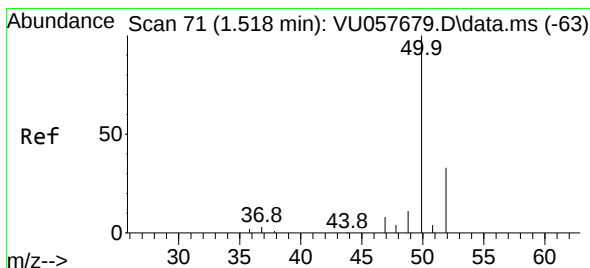
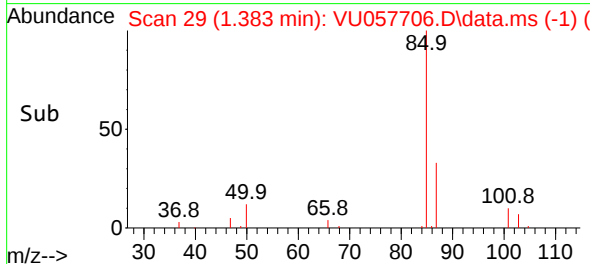
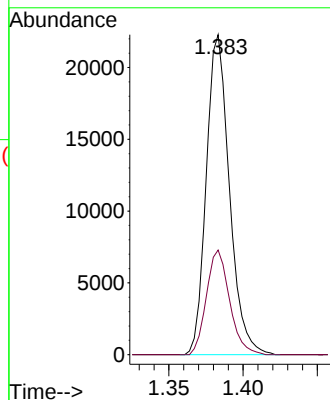
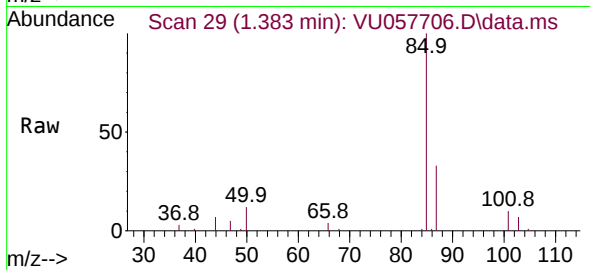




#2  
Dichlorodifluoromethane  
Concen: 4.048 ug/L  
RT: 1.383 min Scan# 29  
Delta R.T. -0.000 min  
Lab File: VU057706.D  
Acq: 29 Jan 2024 09:19

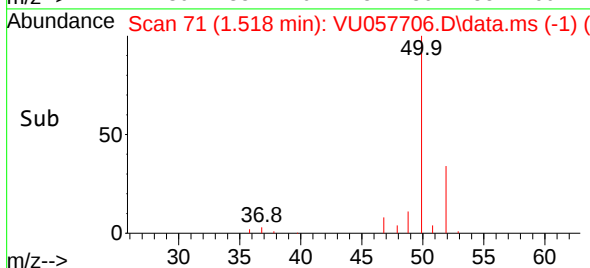
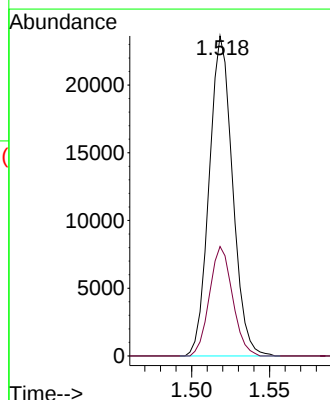
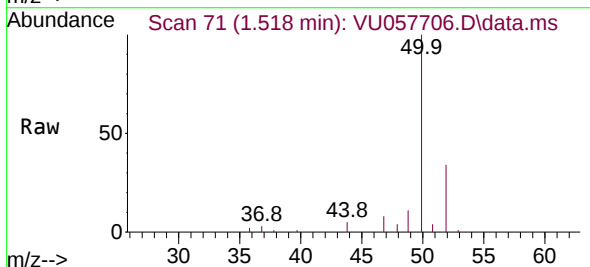
Instrument :  
MSVOA\_U  
ClientSampleId :

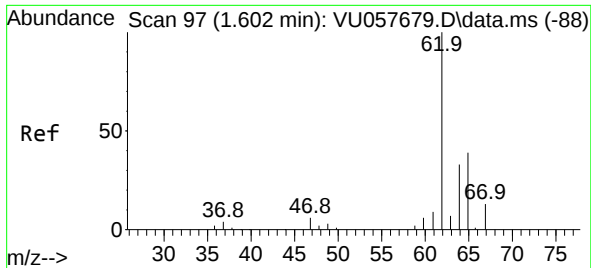
Tgt Ion: 85 Resp: 24090  
Ion Ratio Lower Upper  
85 100  
87 32.7 26.4 39.6



#3  
Chloromethane  
Concen: 4.147 ug/L  
RT: 1.518 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VU057706.D  
Acq: 29 Jan 2024 09:19

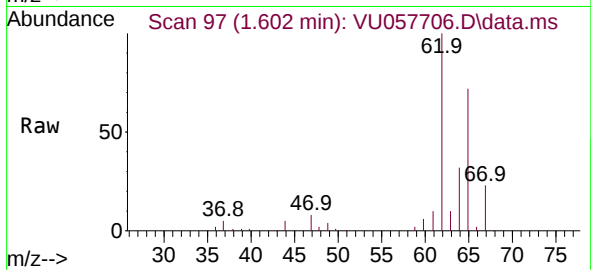
Tgt Ion: 50 Resp: 24693  
Ion Ratio Lower Upper  
50 100  
52 34.2 23.7 43.9



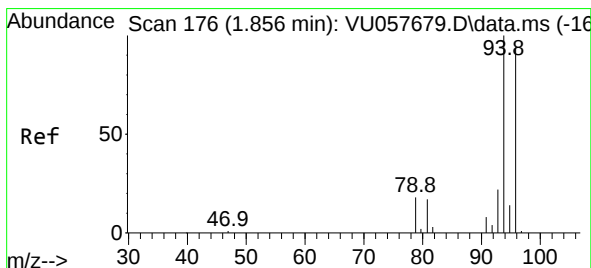
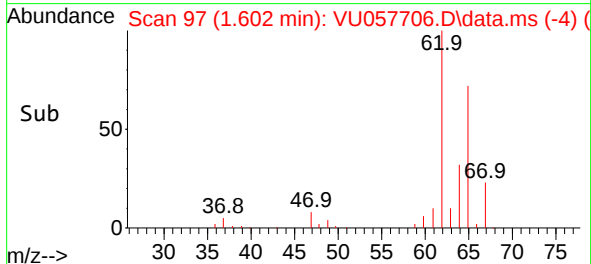
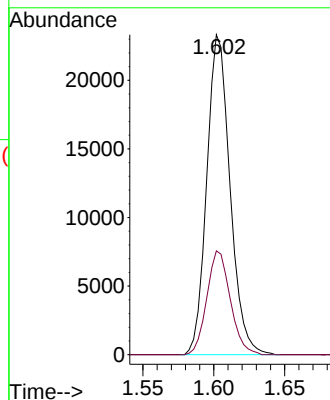


#5  
 Vinyl chloride  
 Concen: 4.198 ug/L  
 RT: 1.602 min Scan# 91  
 Delta R.T. -0.000 min  
 Lab File: VU057706.D  
 Acq: 29 Jan 2024 09:19

Instrument :  
 MSVOA\_U  
 ClientSampleId :

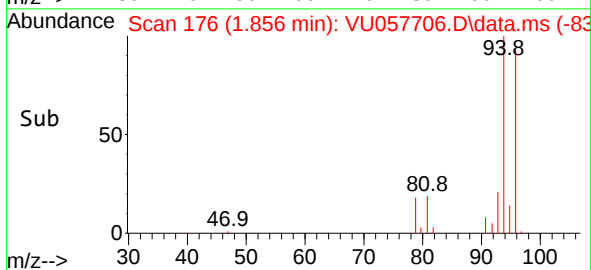
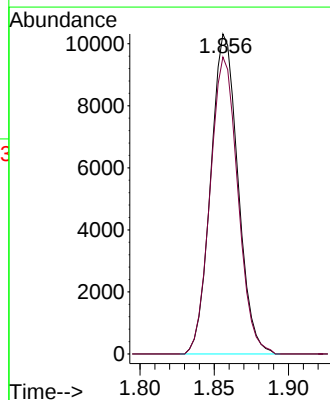
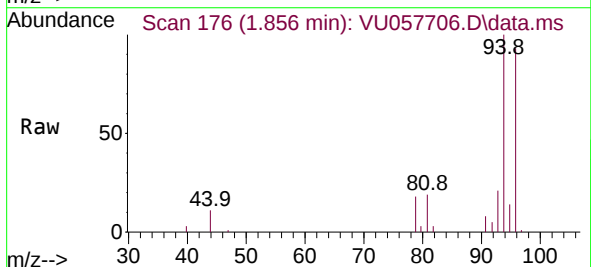


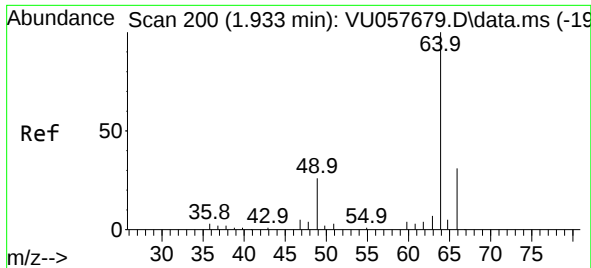
Tgt Ion: 62 Resp: 26608  
 Ion Ratio Lower Upper  
 62 100  
 64 32.5 22.8 42.4



#6  
 Bromomethane  
 Concen: 3.983 ug/L  
 RT: 1.856 min Scan# 176  
 Delta R.T. -0.000 min  
 Lab File: VU057706.D  
 Acq: 29 Jan 2024 09:19

Tgt Ion: 94 Resp: 13162  
 Ion Ratio Lower Upper  
 94 100  
 96 92.8 68.0 126.4

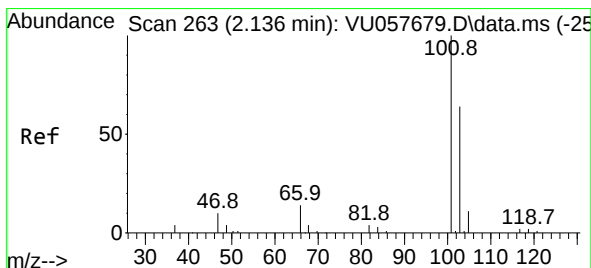
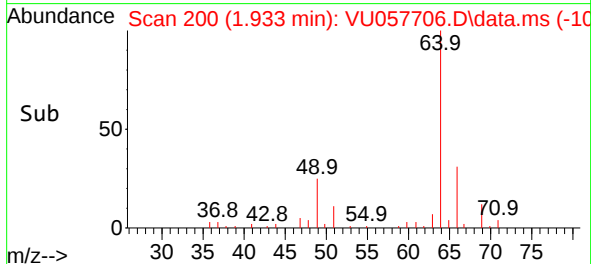
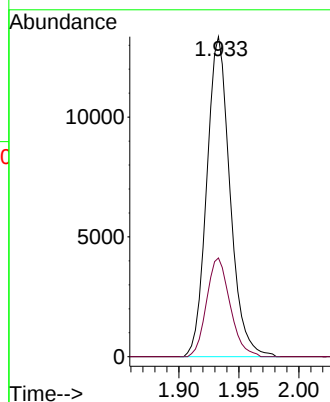
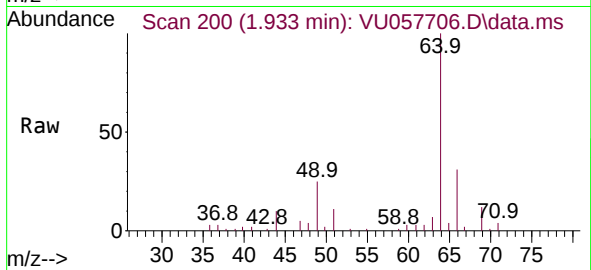




#8  
Chloroethane  
Concen: 4.744 ug/L  
RT: 1.933 min Scan# 200  
Delta R.T. -0.000 min  
Lab File: VU057706.D  
Acq: 29 Jan 2024 09:19

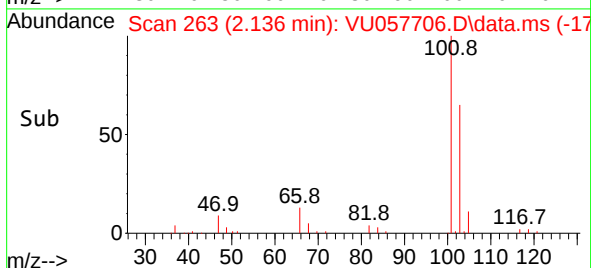
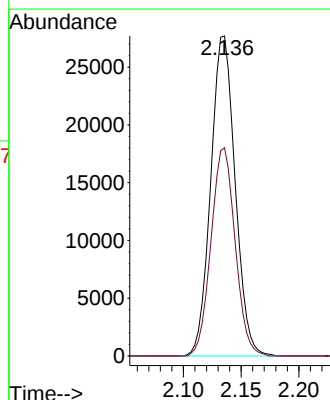
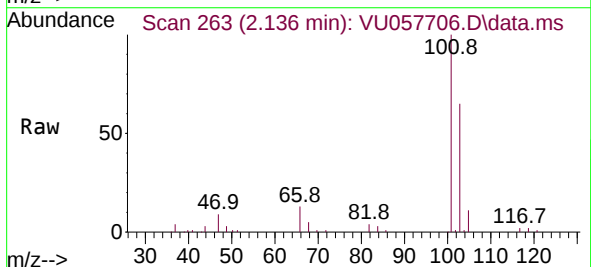
Instrument :  
MSVOA\_U  
ClientSampleId :

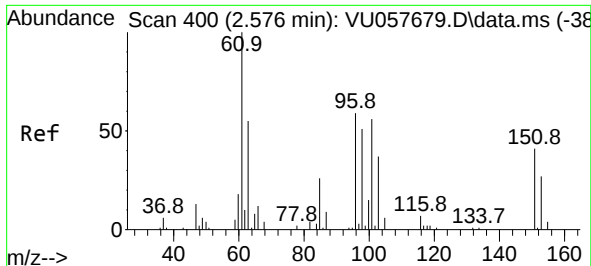
Tgt Ion: 64 Resp: 18007  
Ion Ratio Lower Upper  
64 100  
66 30.9 24.5 45.5



#9  
Trichlorofluoromethane  
Concen: 4.310 ug/L  
RT: 2.136 min Scan# 263  
Delta R.T. -0.000 min  
Lab File: VU057706.D  
Acq: 29 Jan 2024 09:19

Tgt Ion:101 Resp: 40689  
Ion Ratio Lower Upper  
101 100  
103 64.3 52.2 78.2

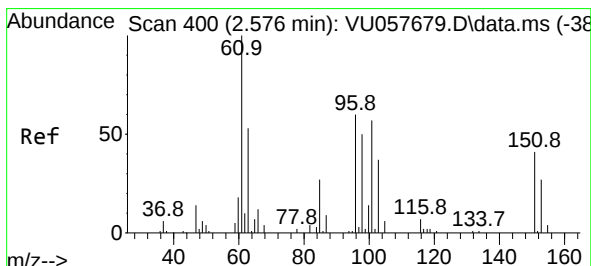
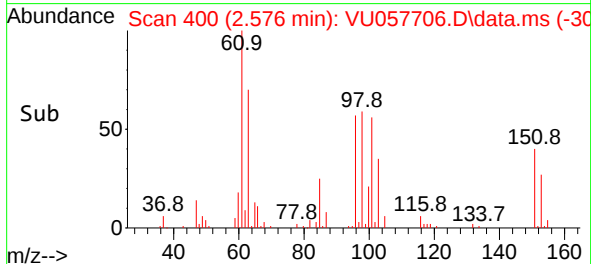
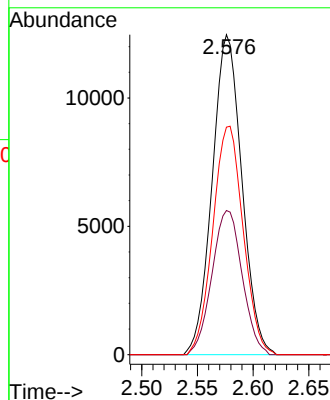
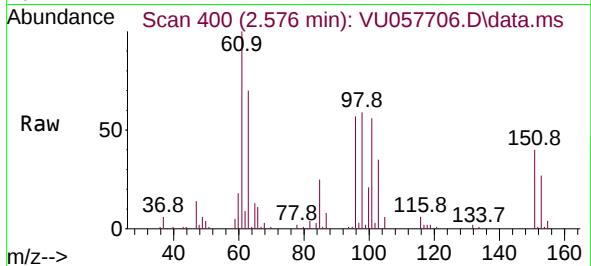




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 4.207 ug/L  
 RT: 2.576 min Scan# 400  
 Delta R.T. -0.000 min  
 Lab File: VU057706.D  
 Acq: 29 Jan 2024 09:19

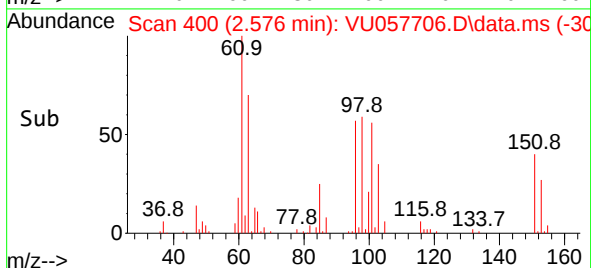
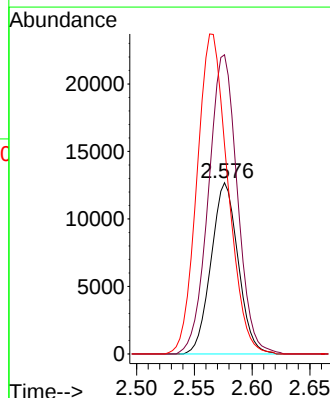
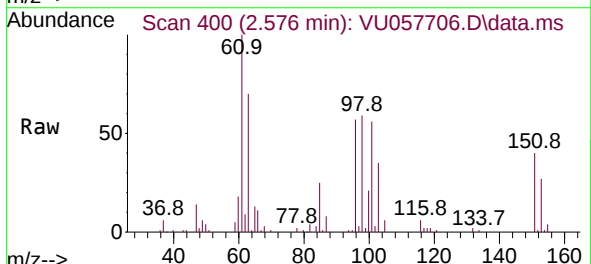
Instrument :  
 MSVOA\_U  
 ClientSampleId :

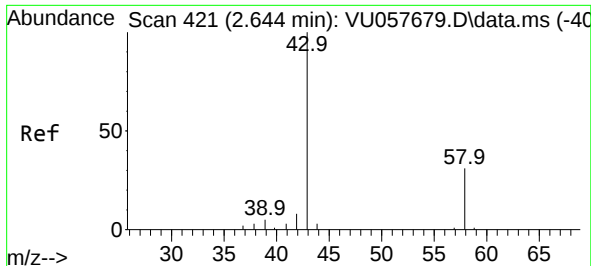
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 Ion Ratio Lower Upper  
 101 100  
 85 45.9 35.8 53.8  
 151 73.0 60.0 90.0



#12  
 1,1-Dichloroethene  
 Concen: 4.040 ug/L  
 RT: 2.576 min Scan# 400  
 Delta R.T. -0.000 min  
 Lab File: VU057706.D  
 Acq: 29 Jan 2024 09:19

Tgt Ion: 96 Resp: 20619  
 Ion Ratio Lower Upper  
 96 100  
 61 174.8 120.7 224.1  
 63 122.4 72.5 134.7





#13

Acetone

Concen: 39.476 ug/L

RT: 2.637 min Scan# 419

Delta R.T. -0.007 min

Lab File: VU057706.D

Acq: 29 Jan 2024 09:19

Instrument :

MSVOA\_U

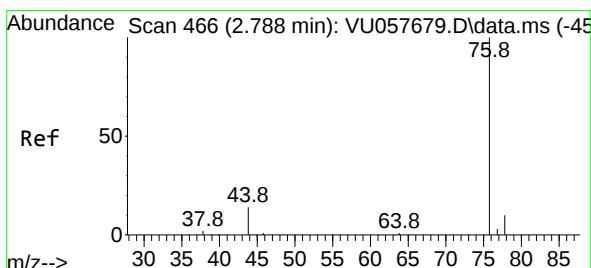
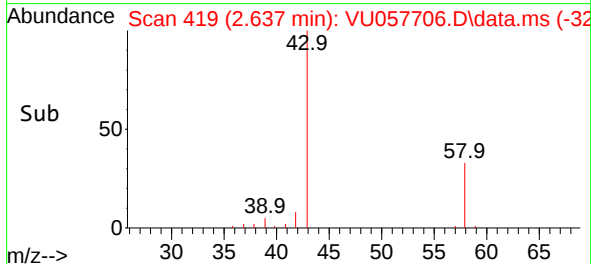
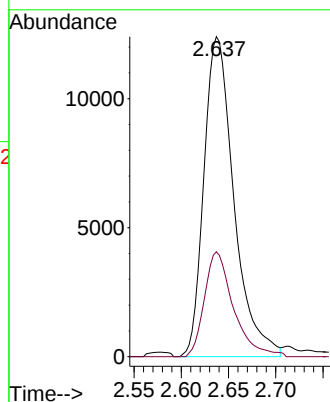
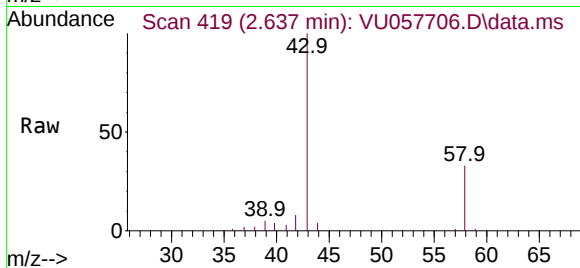
ClientSampleId :

Tgt Ion: 43 Resp: 27383

Ion Ratio Lower Upper

43 100

58 31.7 0.0 61.4



#14

Carbon disulfide

Concen: 4.012 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU057706.D

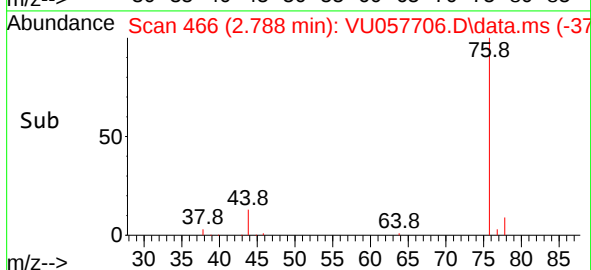
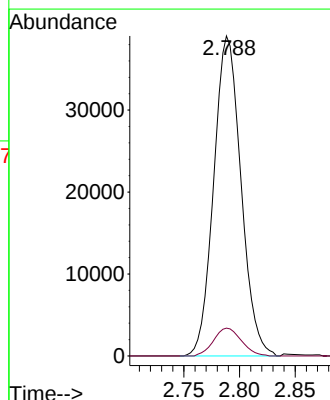
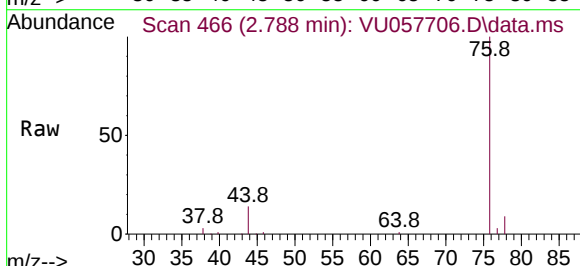
Acq: 29 Jan 2024 09:19

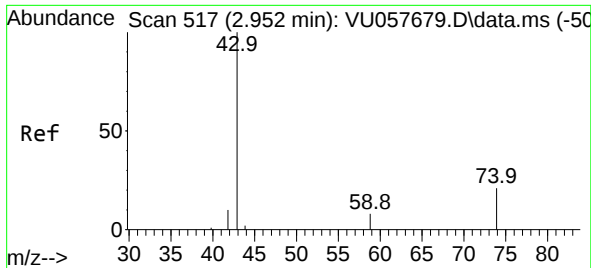
Tgt Ion: 76 Resp: 66386

Ion Ratio Lower Upper

76 100

78 8.7 7.3 10.9

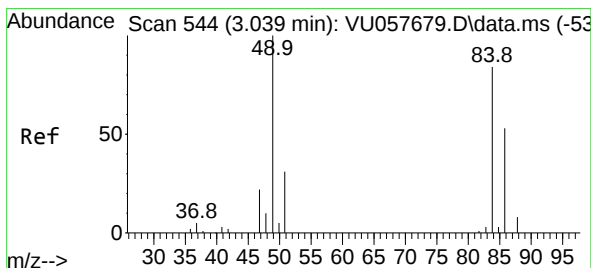
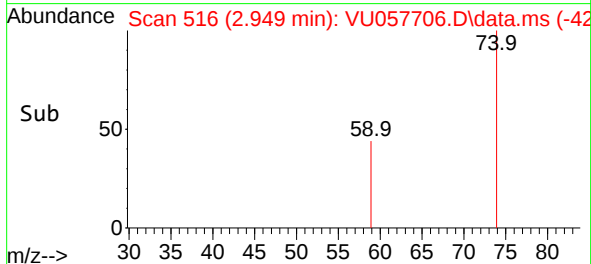
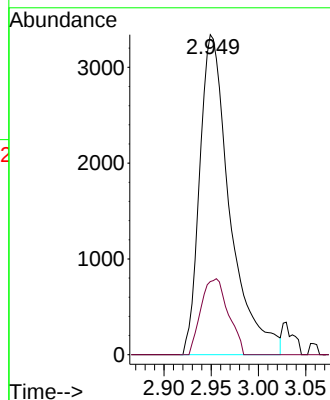
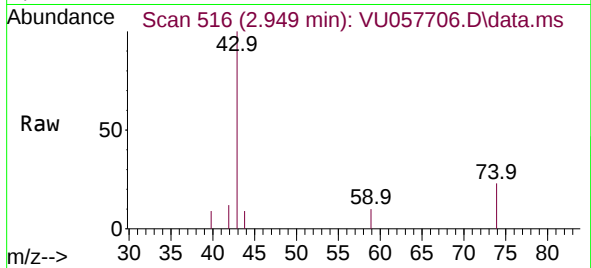




#15  
Methyl Acetate  
Concen: 4.145 ug/L  
RT: 2.949 min Scan# 51  
Delta R.T. -0.003 min  
Lab File: VU057706.D  
Acq: 29 Jan 2024 09:19

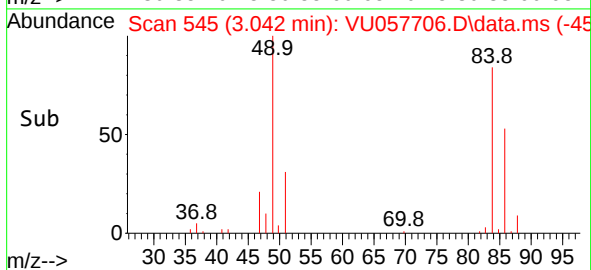
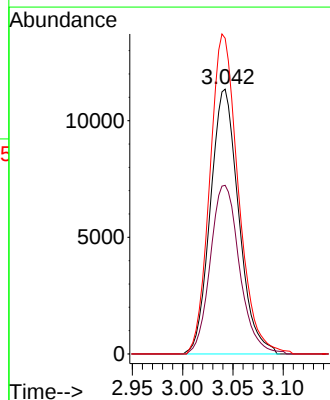
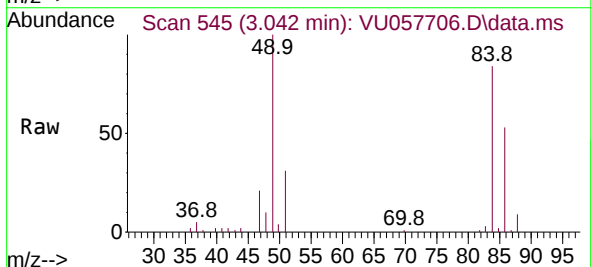
Instrument :  
MSVOA\_U  
ClientSampleId :

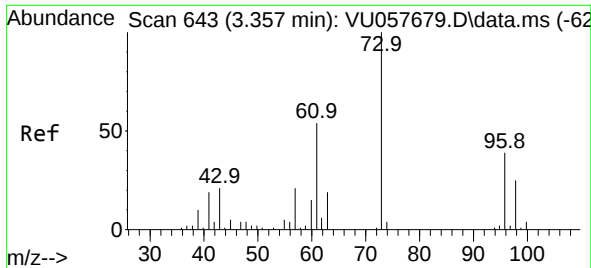
Tgt Ion: 43 Resp: 7398  
Ion Ratio Lower Upper  
43 100  
74 21.4 20.7 31.1



#16  
Methylene chloride  
Concen: 4.065 ug/L  
RT: 3.042 min Scan# 545  
Delta R.T. 0.003 min  
Lab File: VU057706.D  
Acq: 29 Jan 2024 09:19

Tgt Ion: 84 Resp: 22270  
Ion Ratio Lower Upper  
84 100  
86 63.6 43.5 80.9  
49 124.4 82.5 153.1

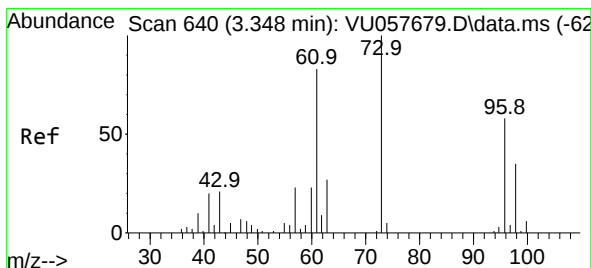
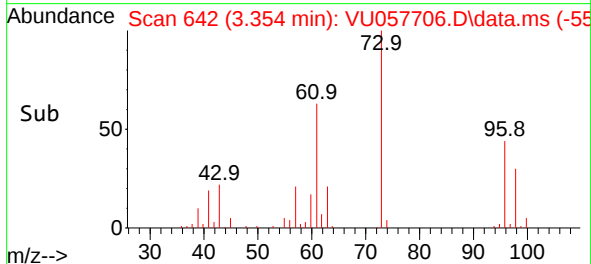
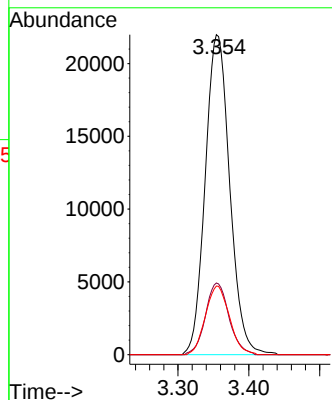
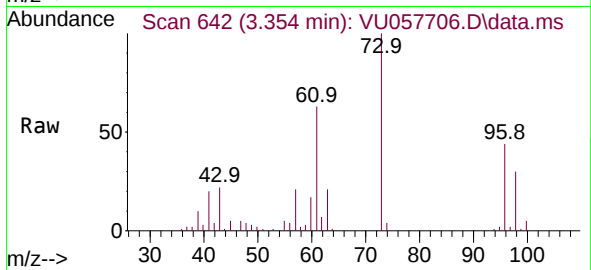




#17  
Methyl tert-butyl Ether  
Concen: 4.348 ug/L  
RT: 3.354 min Scan# 643  
Delta R.T. -0.003 min  
Lab File: VU057706.D  
Acq: 29 Jan 2024 09:19

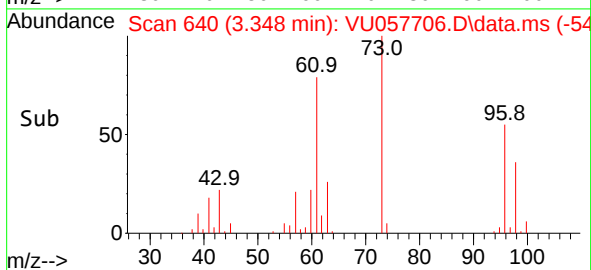
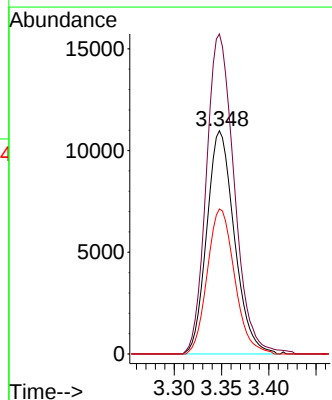
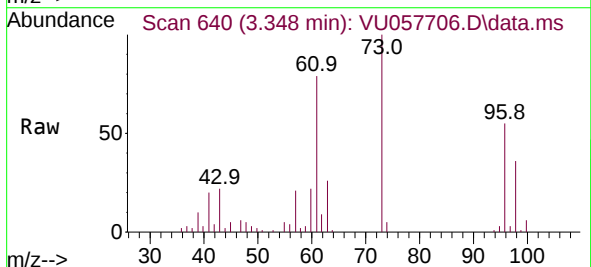
Instrument :  
MSVOA\_U  
ClientSampleId :

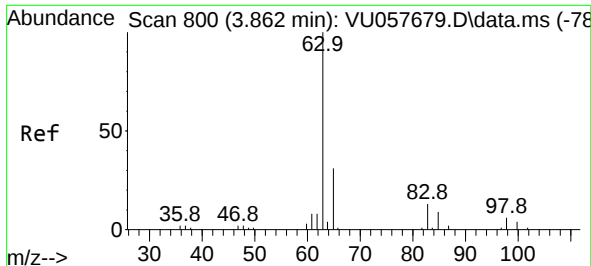
Tgt Ion: 73 Resp: 52778  
Ion Ratio Lower Upper  
73 100  
43 21.5 17.3 25.9  
57 21.0 17.7 26.5



#18  
trans-1,2-Dichloroethene  
Concen: 4.144 ug/L  
RT: 3.348 min Scan# 640  
Delta R.T. -0.000 min  
Lab File: VU057706.D  
Acq: 29 Jan 2024 09:19

Tgt Ion: 96 Resp: 22279  
Ion Ratio Lower Upper  
96 100  
61 143.4 99.3 184.5  
98 65.0 44.5 82.7





#19

1,1-Dichloroethane

Concen: 4.304 ug/L

RT: 3.862 min Scan# 800

Delta R.T. -0.000 min

Lab File: VU057706.D

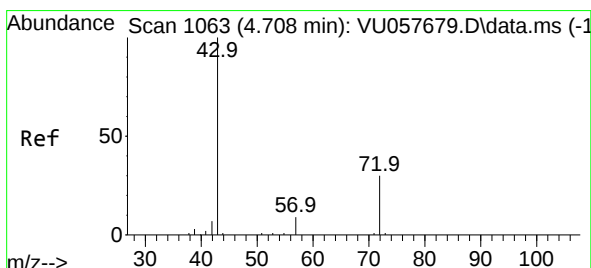
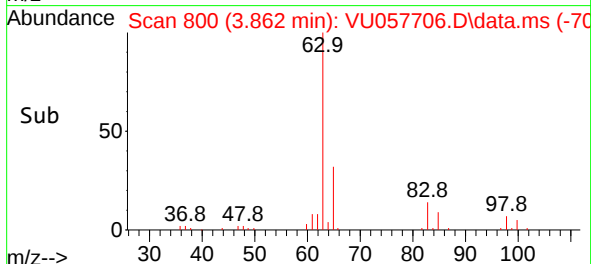
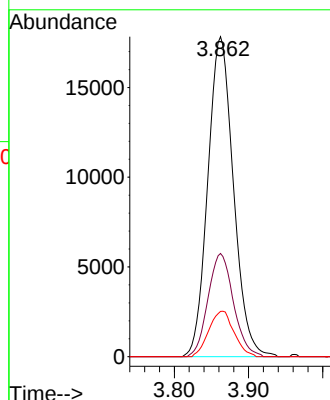
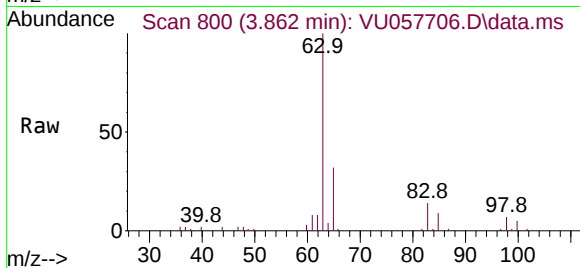
Acq: 29 Jan 2024 09:19

Instrument :

MSVOA\_U

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 42726 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 32.9  | 23.0  | 42.8  |
| 83       | 14.2  | 9.7   | 17.9  |



#21

2-Butanone

Concen: 40.445 ug/L

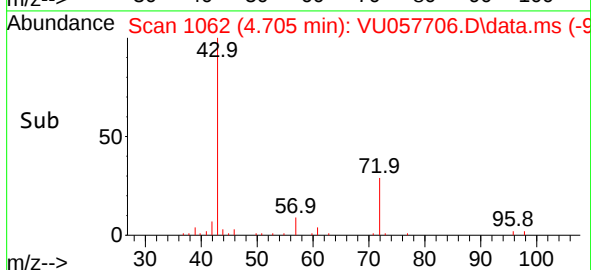
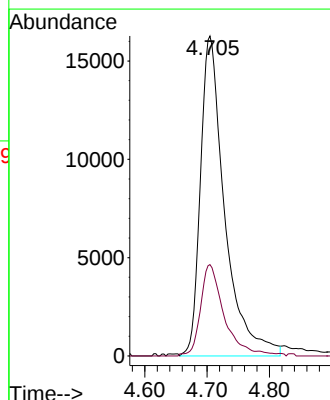
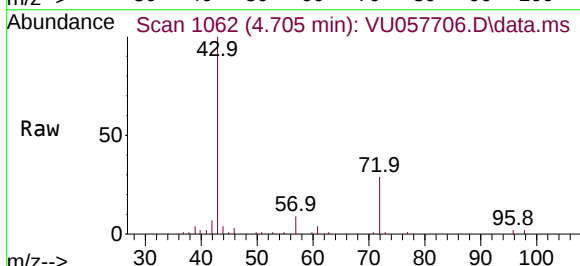
RT: 4.705 min Scan# 1062

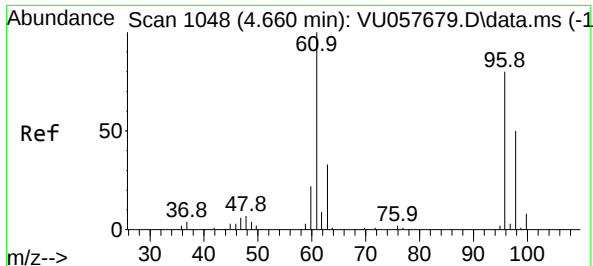
Delta R.T. -0.003 min

Lab File: VU057706.D

Acq: 29 Jan 2024 09:19

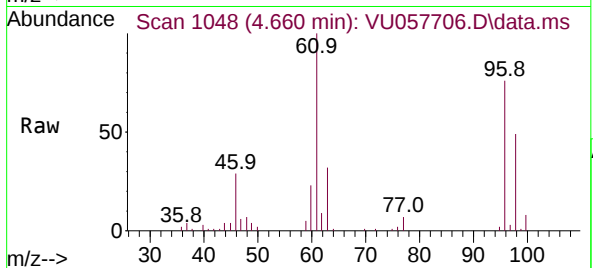
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 44007 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 27.1  | 14.7  | 44.1  |





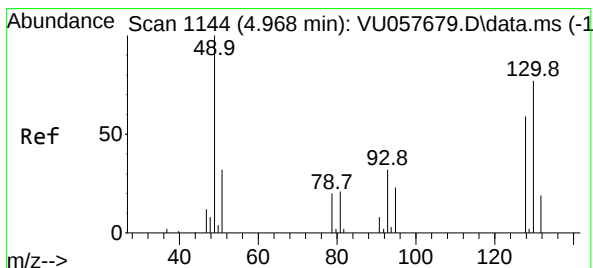
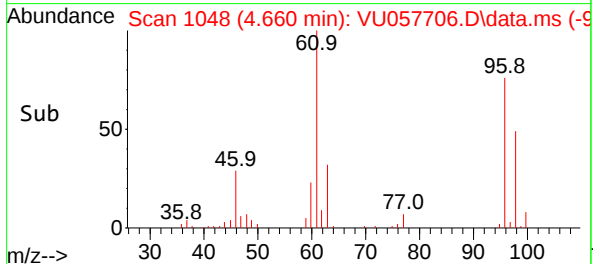
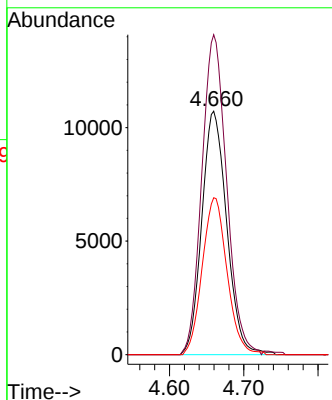
#22  
 cis-1,2-Dichloroethene  
 Concen: 4.327 ug/L  
 RT: 4.660 min Scan# 1048  
 Delta R.T. -0.000 min  
 Lab File: VU057706.D  
 Acq: 29 Jan 2024 09:19

Instrument :  
 MSVOA\_U  
 ClientSampleId :



Tgt Ion: 96 Resp: 25008

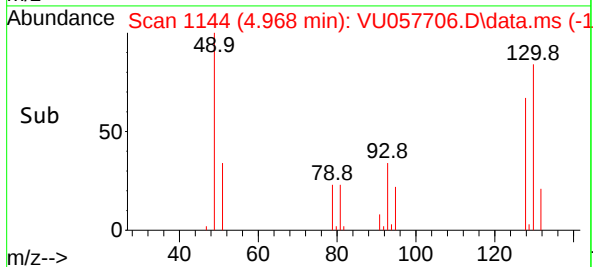
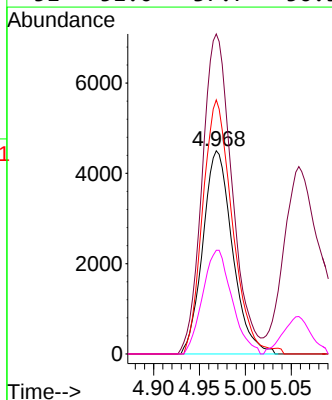
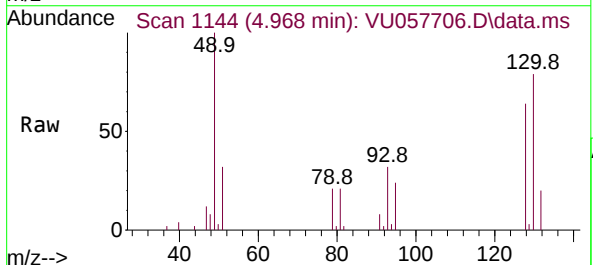
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 131.4 | 92.7  | 172.1 |
| 98  | 64.5  | 44.9  | 83.5  |

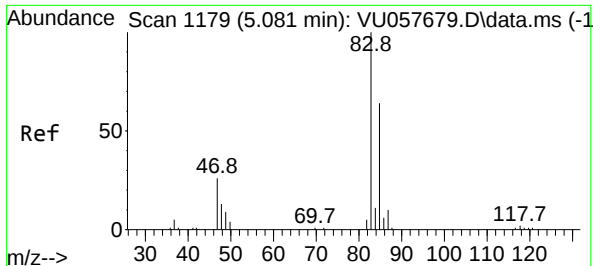


#23  
 Bromochloromethane  
 Concen: 4.345 ug/L  
 RT: 4.968 min Scan# 1144  
 Delta R.T. -0.000 min  
 Lab File: VU057706.D  
 Acq: 29 Jan 2024 09:19

Tgt Ion: 128 Resp: 10089

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 49  | 162.4 | 111.5 | 207.1 |
| 130 | 125.0 | 87.2  | 162.0 |
| 51  | 51.0  | 37.7  | 56.5  |





#25

Chloroform

Concen: 4.309 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VU057706.D

Acq: 29 Jan 2024 09:19

Instrument :

MSVOA\_U

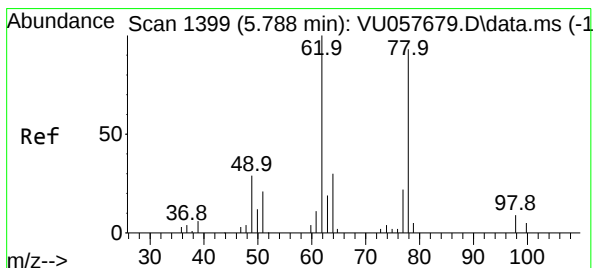
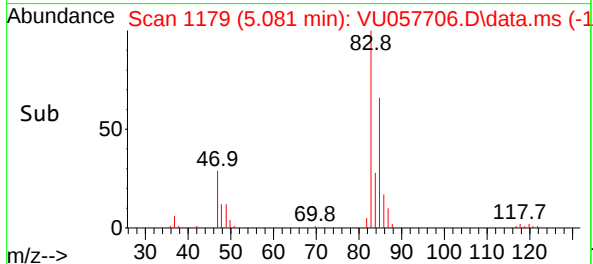
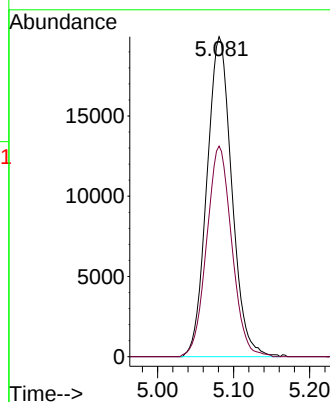
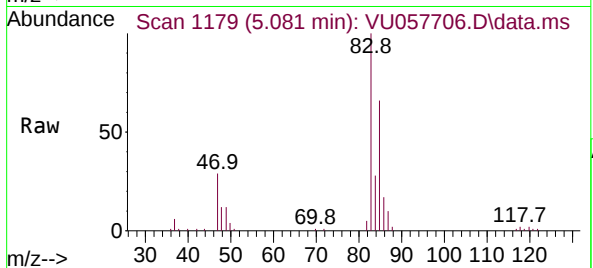
ClientSampleId :

Tgt Ion: 83 Resp: 45390

Ion Ratio Lower Upper

83 100

85 65.8 46.1 85.5



#27

1,2-Dichloroethane

Concen: 4.558 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.000 min

Lab File: VU057706.D

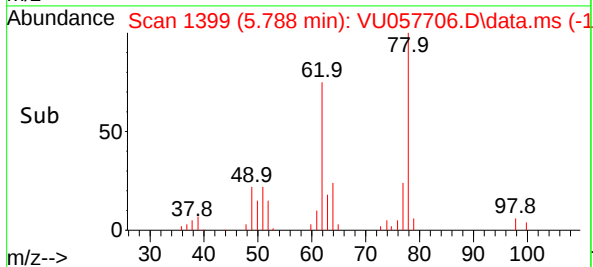
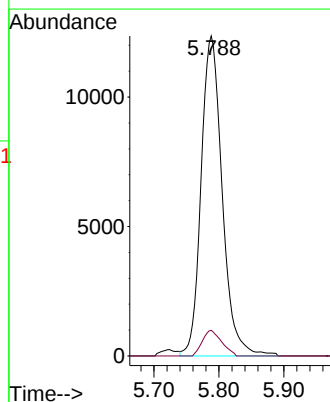
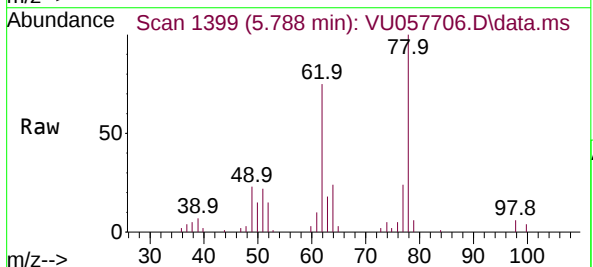
Acq: 29 Jan 2024 09:19

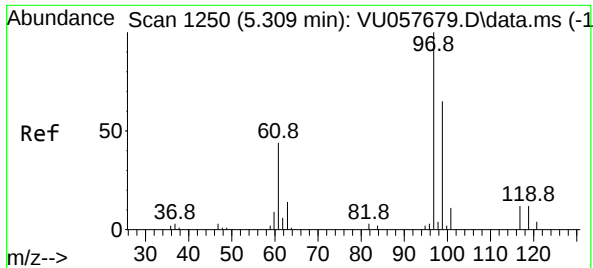
Tgt Ion: 62 Resp: 27967

Ion Ratio Lower Upper

62 100

98 8.0 6.9 10.3

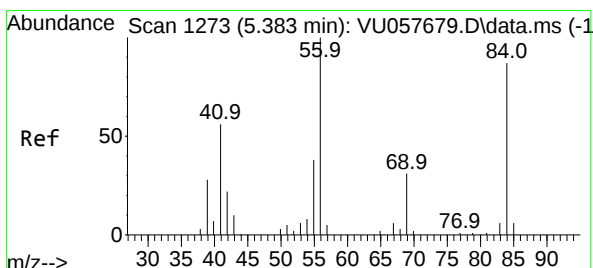
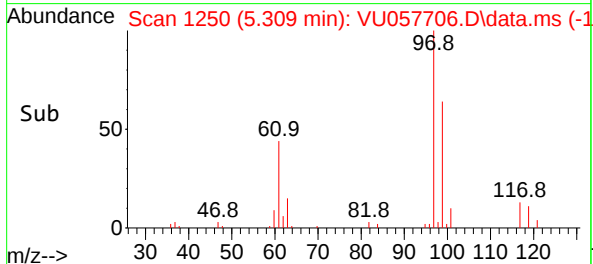
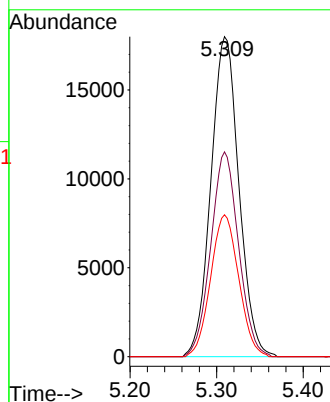
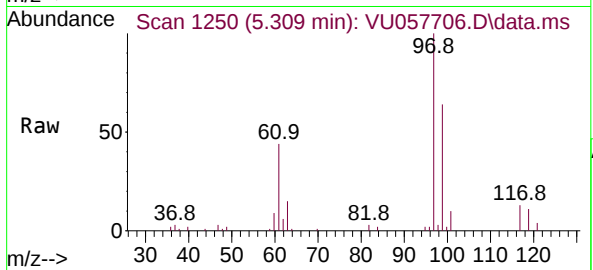




#29  
1,1,1-Trichloroethane  
Concen: 4.313 ug/L  
RT: 5.309 min Scan# 1250  
Delta R.T. -0.000 min  
Lab File: VU057706.D  
Acq: 29 Jan 2024 09:19

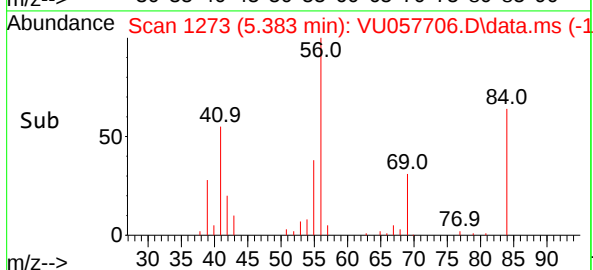
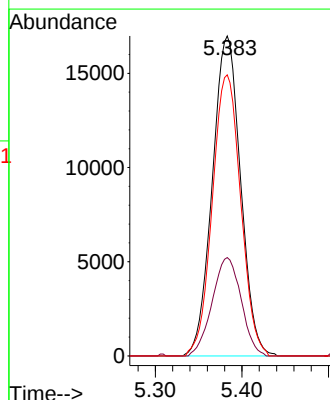
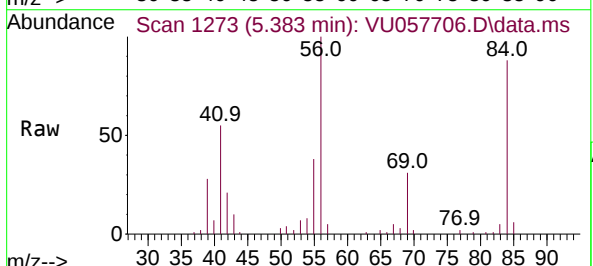
Instrument :  
MSVOA\_U  
ClientSampleId :

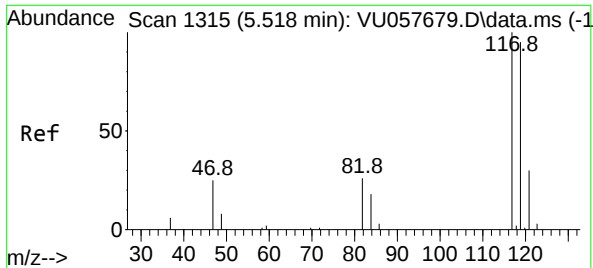
|             |             |       |      |
|-------------|-------------|-------|------|
| Tgt Ion: 97 | Resp: 40436 |       |      |
| Ion Ratio   | Lower       | Upper |      |
| 97          | 100         |       |      |
| 99          | 63.6        | 52.0  | 78.0 |
| 61          | 44.6        | 35.3  | 52.9 |



#30  
Cyclohexane  
Concen: 4.252 ug/L  
RT: 5.383 min Scan# 1273  
Delta R.T. -0.000 min  
Lab File: VU057706.D  
Acq: 29 Jan 2024 09:19

|             |             |
|-------------|-------------|
| Tgt Ion: 56 | Resp: 38456 |
| Ion Ratio   | Lower Upper |
| 56 100      |             |
| 69 31.6     | 25.8 38.8   |
| 84 88.2     | 72.0 108.0  |

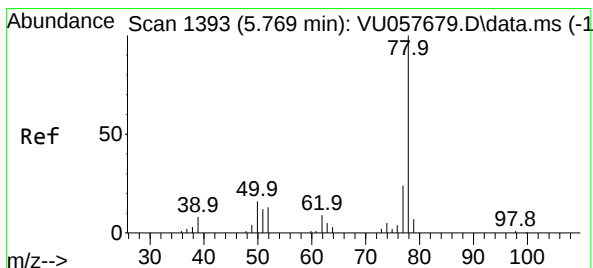
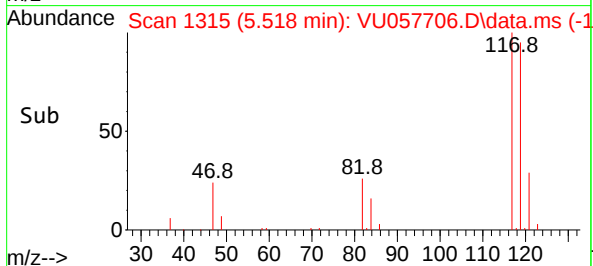
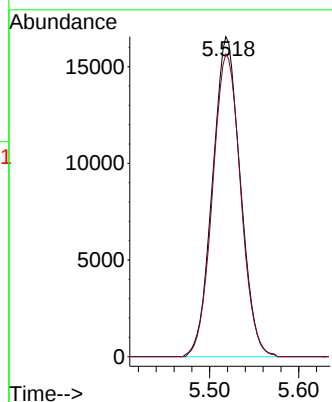
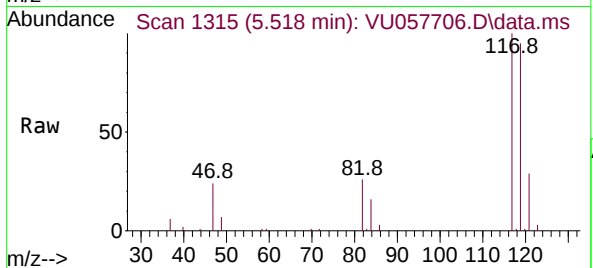




#31  
Carbon tetrachloride  
Concen: 4.332 ug/L  
RT: 5.518 min Scan# 1315  
Delta R.T. -0.000 min  
Lab File: VU057706.D  
Acq: 29 Jan 2024 09:19

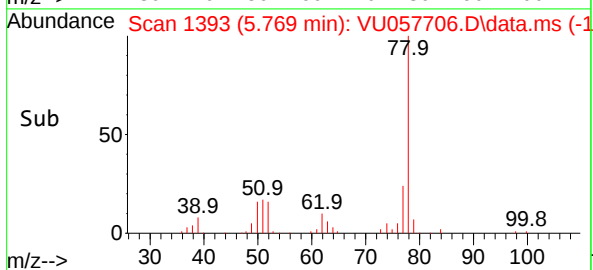
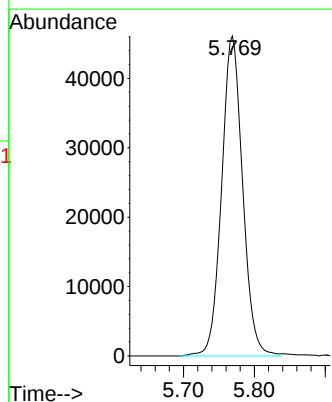
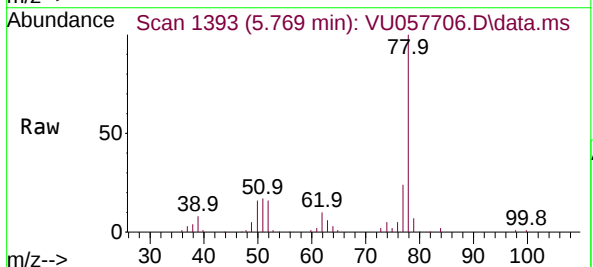
Instrument :  
MSVOA\_U  
ClientSampleId :

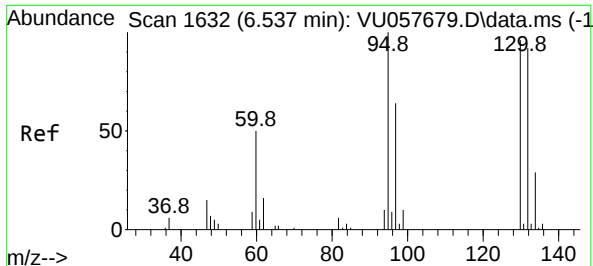
Tgt Ion:117 Resp: 35825  
Ion Ratio Lower Upper  
117 100  
119 95.7 75.6 113.4



#33  
Benzene  
Concen: 4.341 ug/L  
RT: 5.769 min Scan# 1393  
Delta R.T. -0.000 min  
Lab File: VU057706.D  
Acq: 29 Jan 2024 09:19

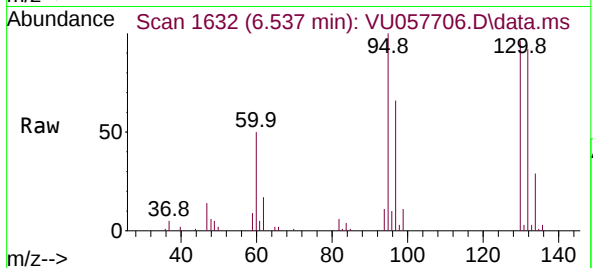
Tgt Ion: 78 Resp: 95096





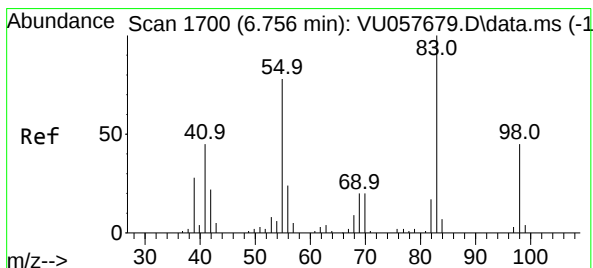
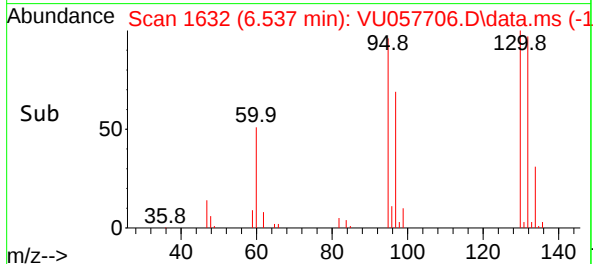
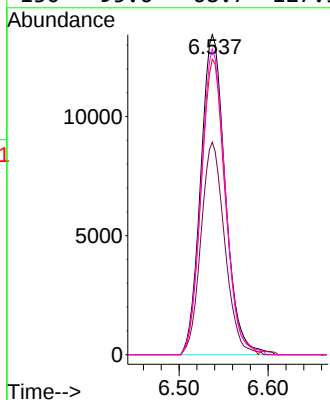
#34  
Trichloroethene  
Concen: 4.255 ug/L  
RT: 6.537 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VU057706.D  
Acq: 29 Jan 2024 09:19

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion: 95 Resp: 25696

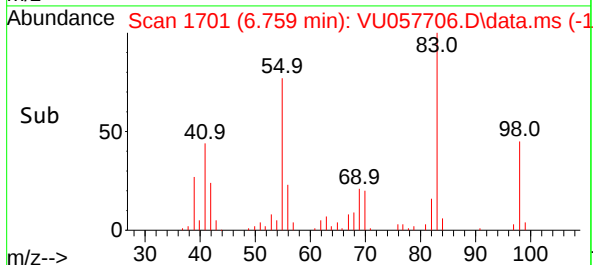
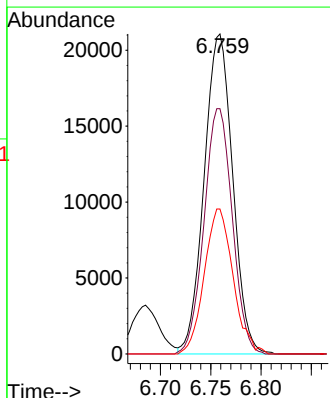
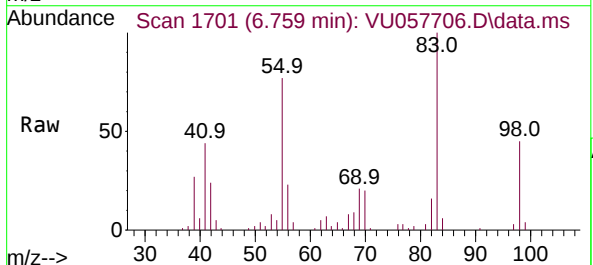
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 66.4  | 46.1  | 85.5  |
| 132 | 92.4  | 66.1  | 122.8 |
| 130 | 95.6  | 68.7  | 127.5 |

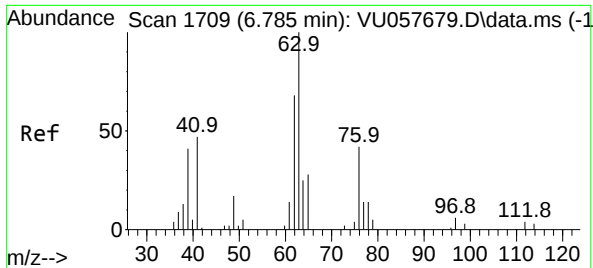


#35  
Methylcyclohexane  
Concen: 4.269 ug/L  
RT: 6.759 min Scan# 1701  
Delta R.T. 0.003 min  
Lab File: VU057706.D  
Acq: 29 Jan 2024 09:19

Tgt Ion: 83 Resp: 41649

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 75.7  | 61.4  | 92.0  |
| 98  | 45.7  | 38.2  | 57.4  |

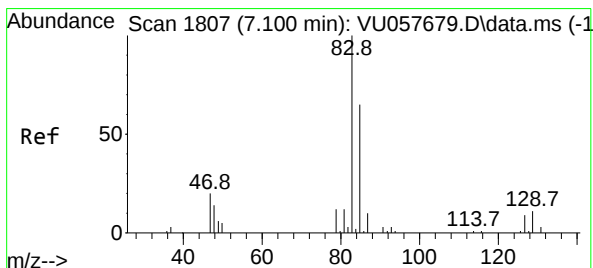
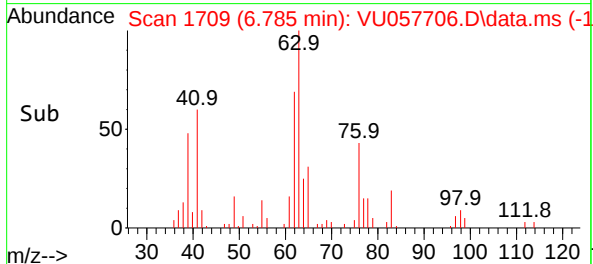
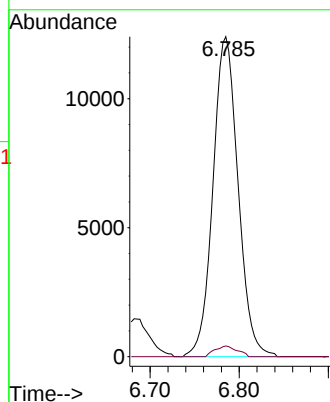
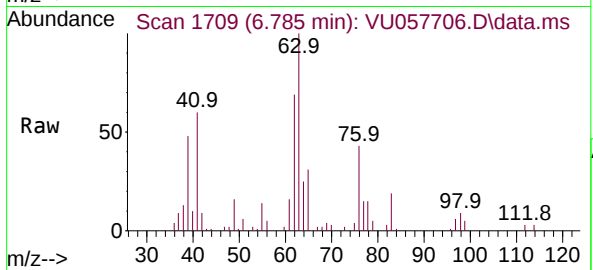




#37  
1,2-Dichloropropane  
Concen: 4.430 ug/L  
RT: 6.785 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU057706.D  
Acq: 29 Jan 2024 09:19

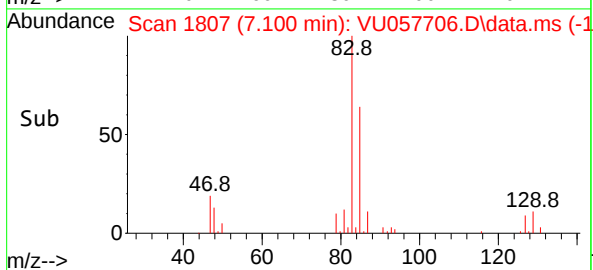
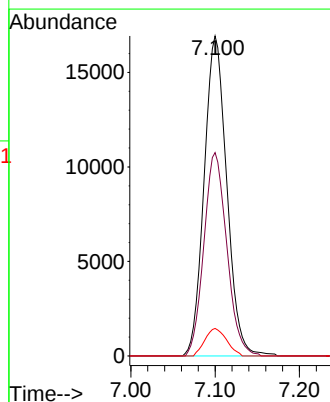
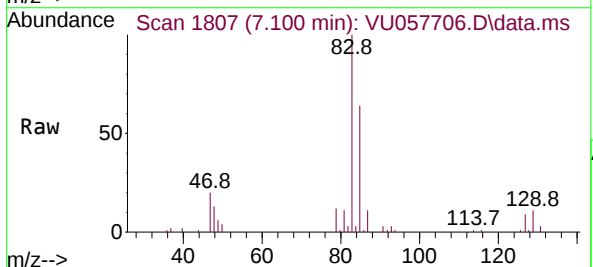
Instrument :  
MSVOA\_U  
ClientSampleId :

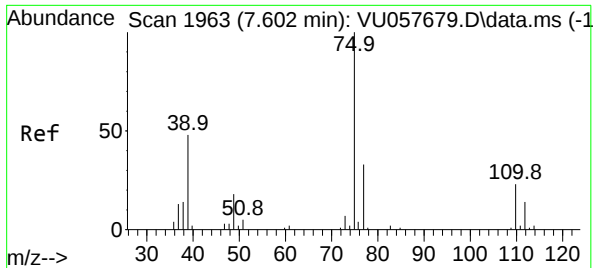
Tgt Ion: 63 Resp: 24277  
Ion Ratio Lower Upper  
63 100  
112 3.0 3.0 4.4



#38  
Bromodichloromethane  
Concen: 4.293 ug/L  
RT: 7.100 min Scan# 1807  
Delta R.T. -0.000 min  
Lab File: VU057706.D  
Acq: 29 Jan 2024 09:19

Tgt Ion: 83 Resp: 31661  
Ion Ratio Lower Upper  
83 100  
85 63.5 44.7 83.1  
127 8.6 6.4 9.6

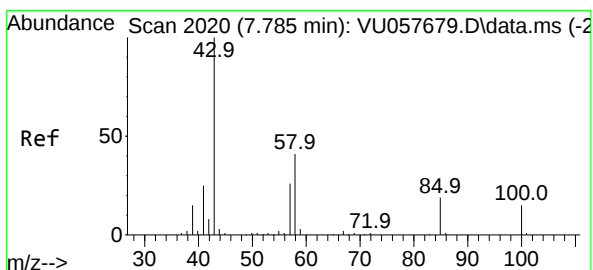
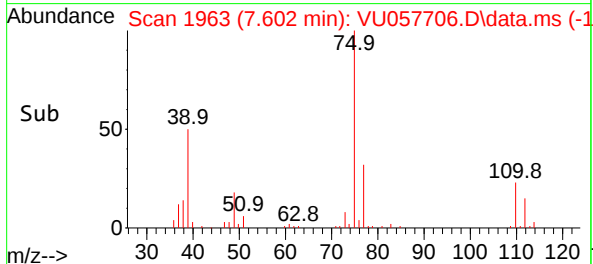
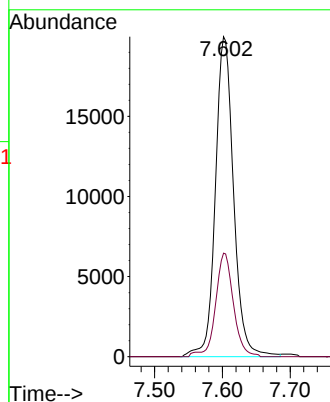
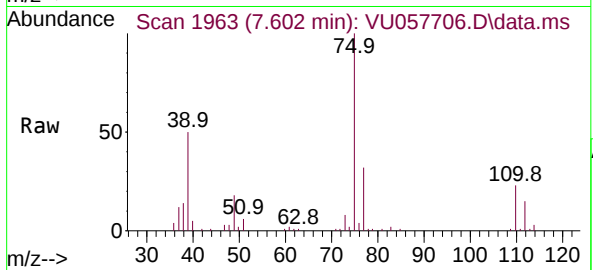




#39  
 cis-1,3-Dichloropropene  
 Concen: 4.381 ug/L  
 RT: 7.602 min Scan# 1963  
 Delta R.T. -0.000 min  
 Lab File: VU057706.D  
 Acq: 29 Jan 2024 09:19

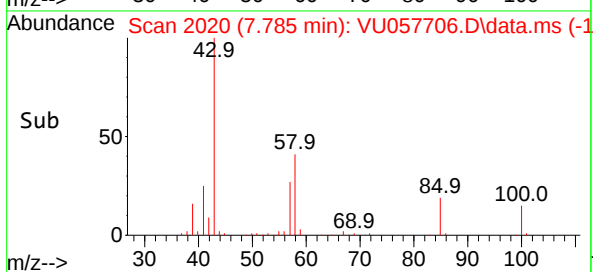
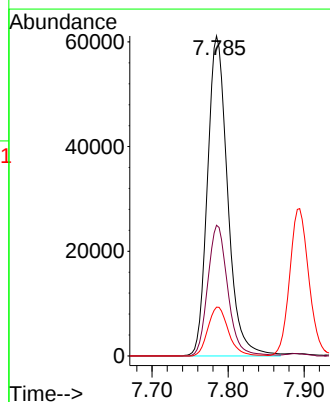
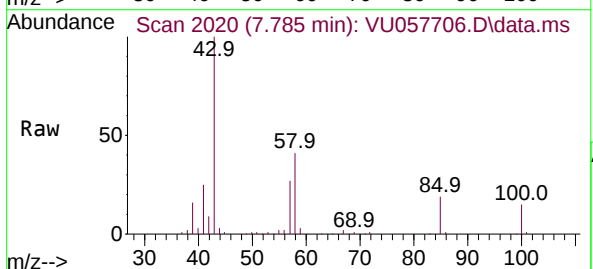
Instrument :  
 MSVOA\_U  
 ClientSampleId :

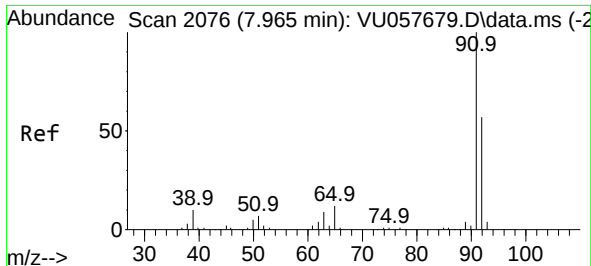
Tgt Ion: 75 Resp: 37317  
 Ion Ratio Lower Upper  
 75 100  
 77 32.4 22.9 42.5



#40  
 4-Methyl-2-pentanone  
 Concen: 43.093 ug/L  
 RT: 7.785 min Scan# 2020  
 Delta R.T. -0.000 min  
 Lab File: VU057706.D  
 Acq: 29 Jan 2024 09:19

Tgt Ion: 43 Resp: 112688  
 Ion Ratio Lower Upper  
 43 100  
 58 40.5 32.3 48.5  
 100 15.5 12.6 18.8





#42

Toluene

Concen: 4.298 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU057706.D

Acq: 29 Jan 2024 09:19

Instrument :

MSVOA\_U

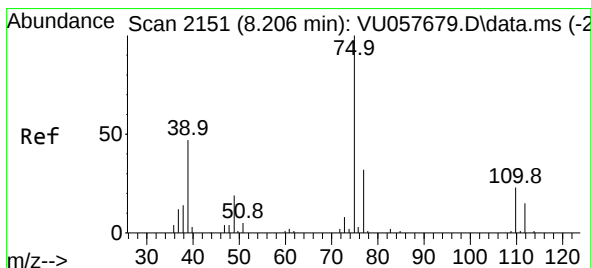
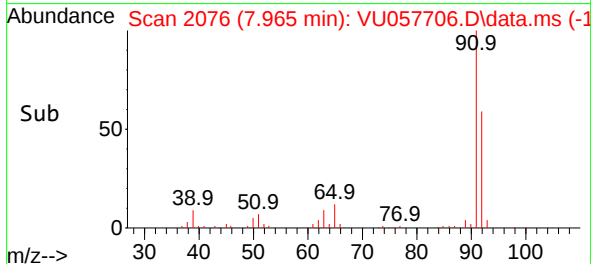
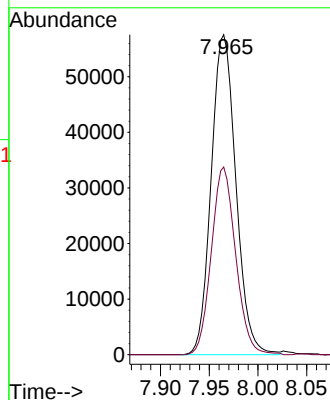
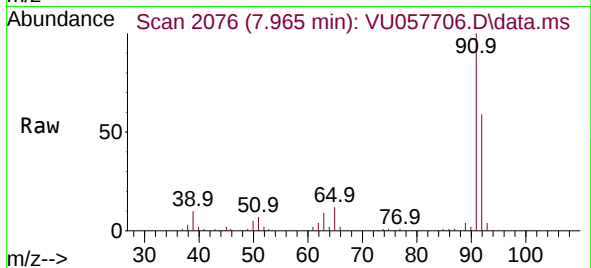
ClientSampleId :

Tgt Ion: 91 Resp: 101519

Ion Ratio Lower Upper

91 100

92 58.6 39.7 73.7



#44

trans-1,3-Dichloropropene

Concen: 4.432 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU057706.D

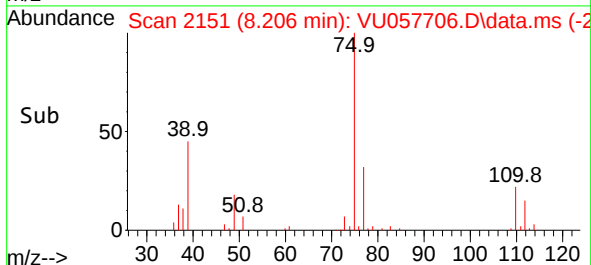
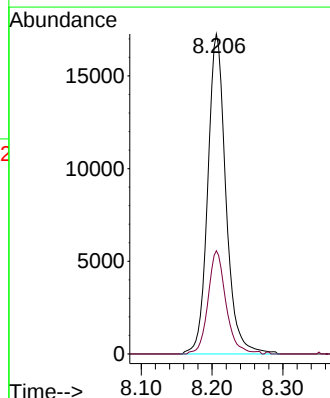
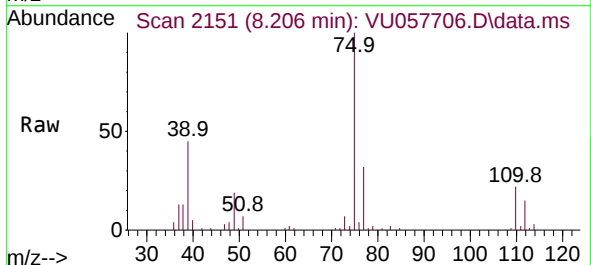
Acq: 29 Jan 2024 09:19

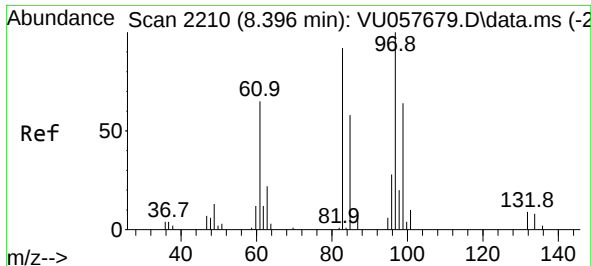
Tgt Ion: 75 Resp: 30676

Ion Ratio Lower Upper

75 100

77 32.2 21.3 39.6



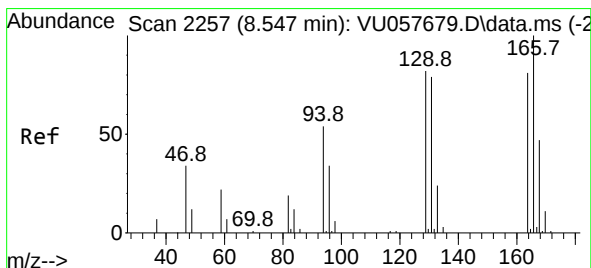
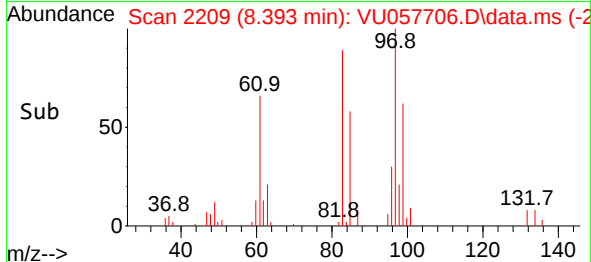
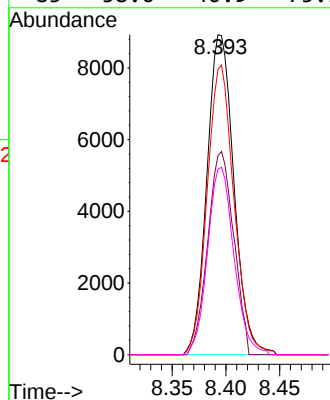
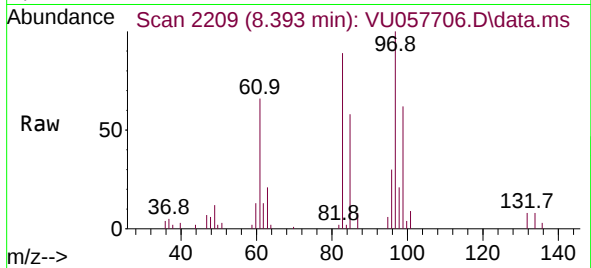


#45  
1,1,2-Trichloroethane  
Concen: 4.382 ug/L  
RT: 8.393 min Scan# 2210  
Delta R.T. -0.003 min  
Lab File: VU057706.D  
Acq: 29 Jan 2024 09:19

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 97 Resp: 15618

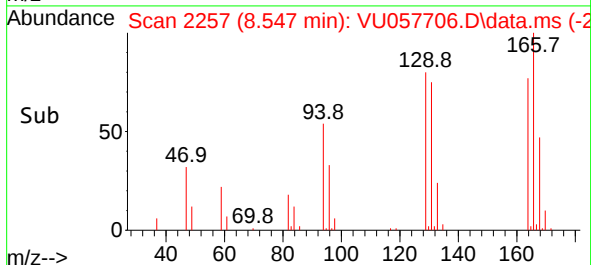
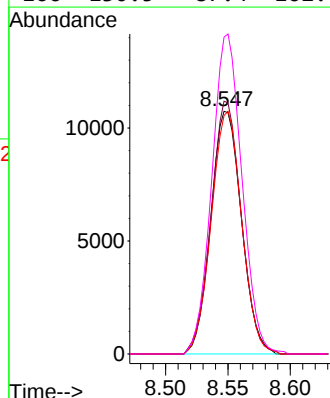
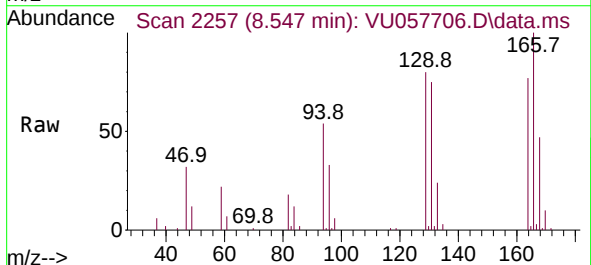
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 62.2  | 45.1  | 83.7  |
| 83  | 89.1  | 62.3  | 115.7 |
| 85  | 58.0  | 40.9  | 75.9  |

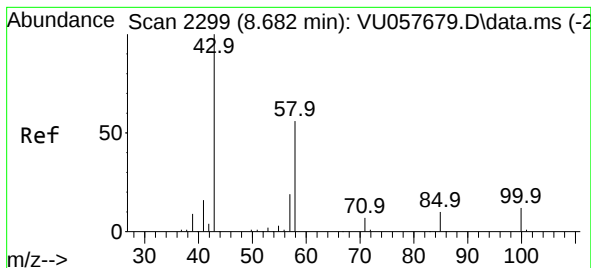


#47  
Tetrachloroethene  
Concen: 4.144 ug/L  
RT: 8.547 min Scan# 2257  
Delta R.T. -0.000 min  
Lab File: VU057706.D  
Acq: 29 Jan 2024 09:19

Tgt Ion: 164 Resp: 18392

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 104.1 | 71.3  | 132.5 |
| 131 | 98.2  | 68.1  | 126.5 |
| 166 | 130.5 | 87.4  | 162.4 |





#48

2-Hexanone

Concen: 43.235 ug/L

RT: 8.682 min Scan# 21

Delta R.T. -0.000 min

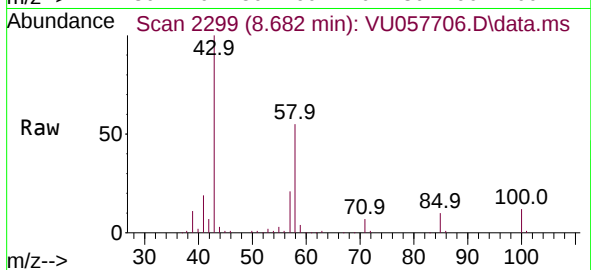
Lab File: VU057706.D

Acq: 29 Jan 2024 09:19

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion: 43 Resp: 79334

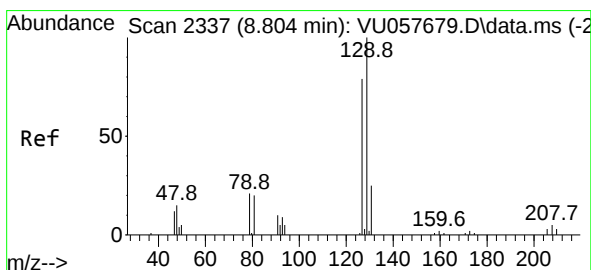
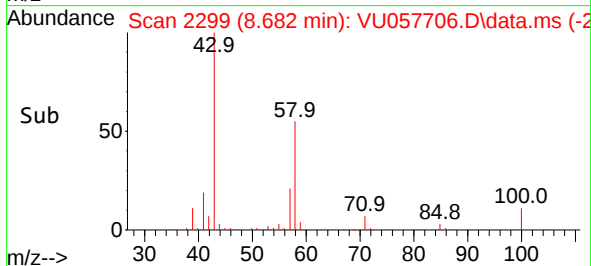
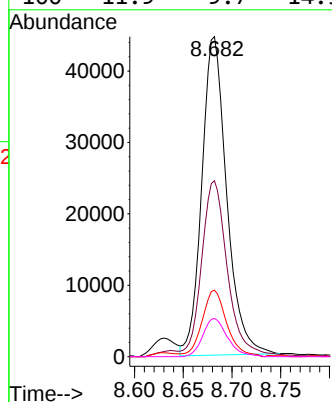
Ion Ratio Lower Upper

43 100

58 58.0 44.3 66.5

57 20.7 15.5 23.3

100 11.9 9.7 14.5



#49

Dibromochloromethane

Concen: 4.277 ug/L

RT: 8.804 min Scan# 2337

Delta R.T. -0.000 min

Lab File: VU057706.D

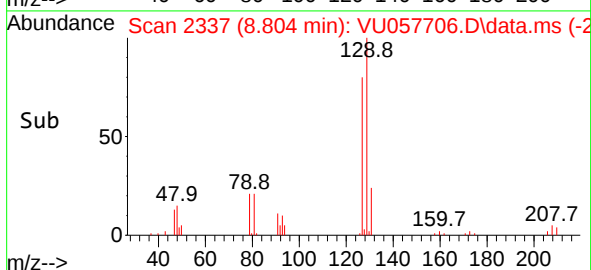
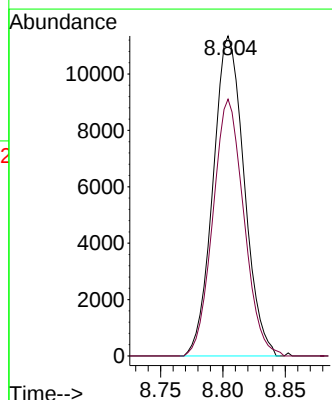
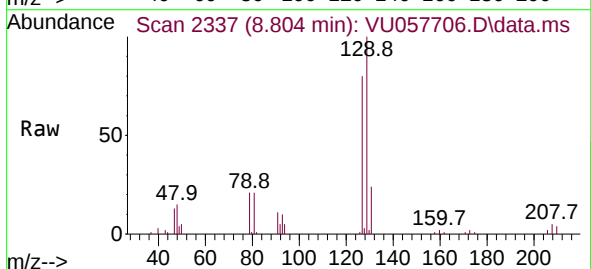
Acq: 29 Jan 2024 09:19

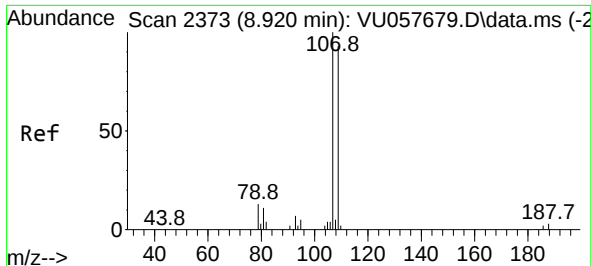
Tgt Ion: 129 Resp: 19742

Ion Ratio Lower Upper

129 100

127 80.2 54.5 101.1





#50

1,2-Dibromoethane

Concen: 4.325 ug/L

RT: 8.920 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU057706.D

Acq: 29 Jan 2024 09:19

Instrument :

MSVOA\_U

ClientSampleId :

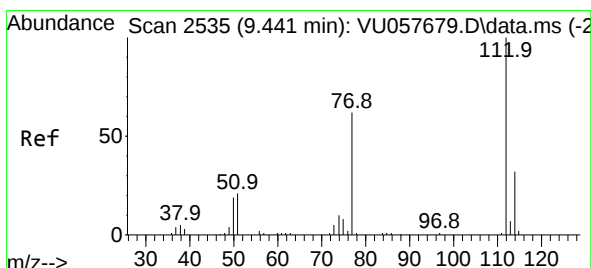
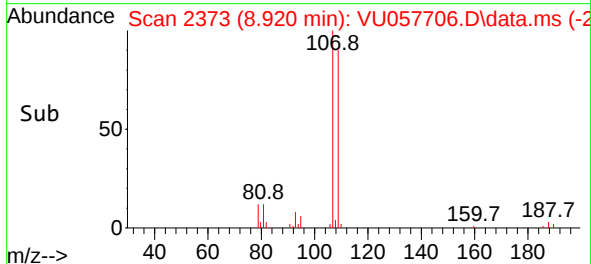
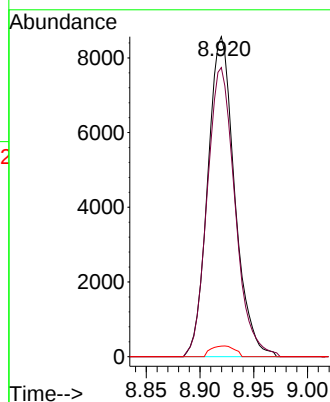
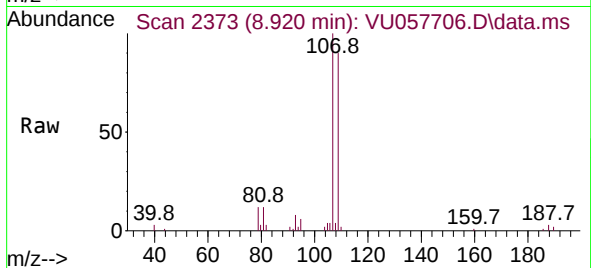
Tgt Ion:107 Resp: 14962

Ion Ratio Lower Upper

107 100

109 90.3 64.5 119.9

188 3.3 2.9 4.3



#51

Chlorobenzene

Concen: 4.276 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.003 min

Lab File: VU057706.D

Acq: 29 Jan 2024 09:19

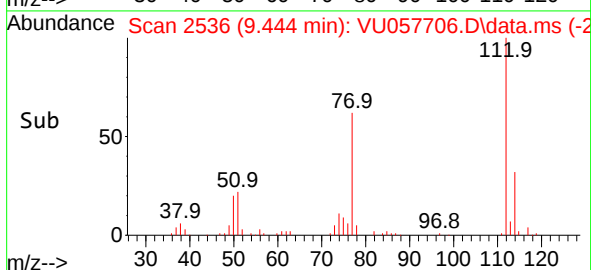
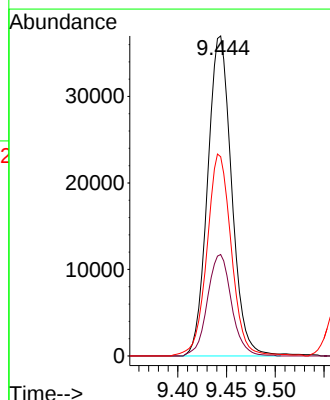
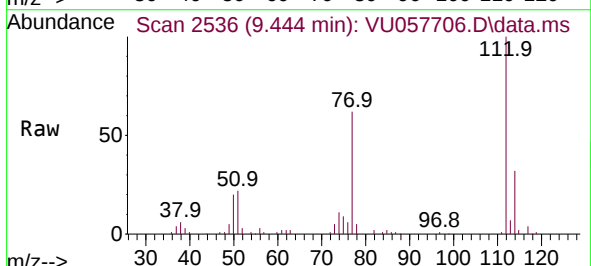
Tgt Ion:112 Resp: 63352

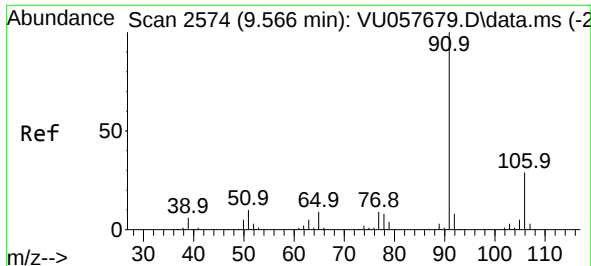
Ion Ratio Lower Upper

112 100

114 31.7 22.0 40.8

77 62.3 49.2 73.8





#52

Ethylbenzene

Concen: 4.290 ug/L

RT: 9.566 min Scan# 2

Delta R.T. -0.000 min

Lab File: VU057706.D

Acq: 29 Jan 2024 09:19

Instrument :

MSVOA\_U

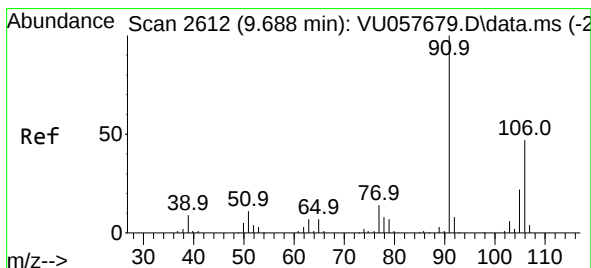
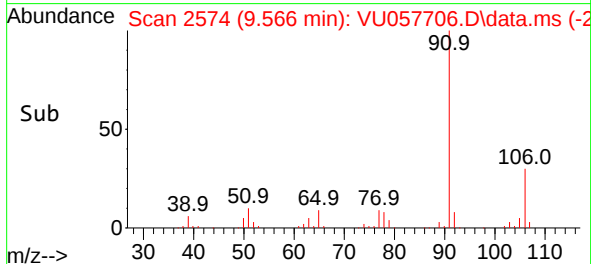
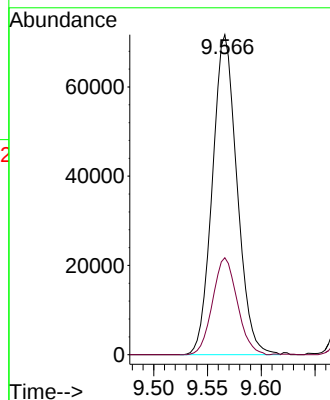
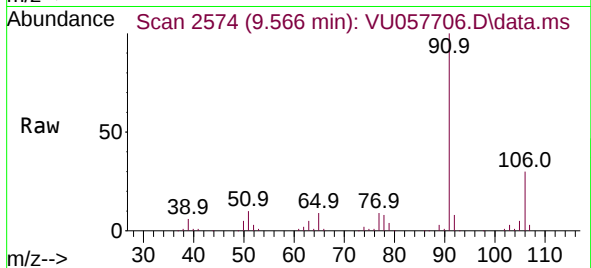
ClientSampleId :

Tgt Ion: 91 Resp: 114167

Ion Ratio Lower Upper

91 100

106 30.3 21.3 39.5



#53

m,p-Xylene

Concen: 4.191 ug/L

RT: 9.688 min Scan# 2612

Delta R.T. -0.000 min

Lab File: VU057706.D

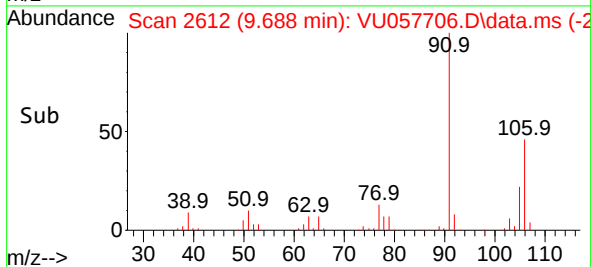
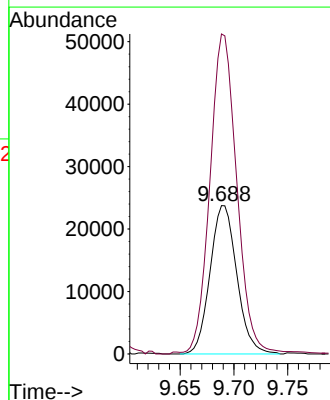
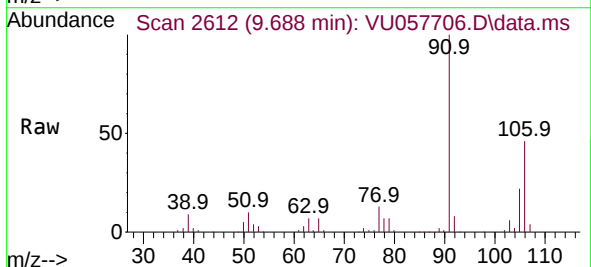
Acq: 29 Jan 2024 09:19

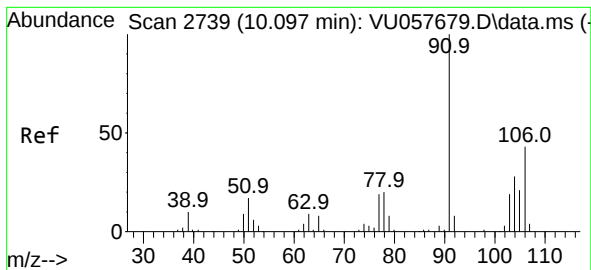
Tgt Ion:106 Resp: 41152

Ion Ratio Lower Upper

106 100

91 215.7 146.9 272.9





#54

o-Xylene

Concen: 4.293 ug/L

RT: 10.097 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU057706.D

Acq: 29 Jan 2024 09:19

Instrument :

MSVOA\_U

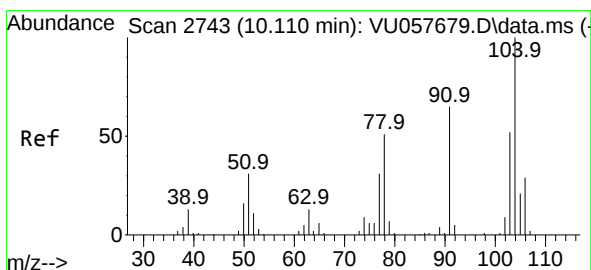
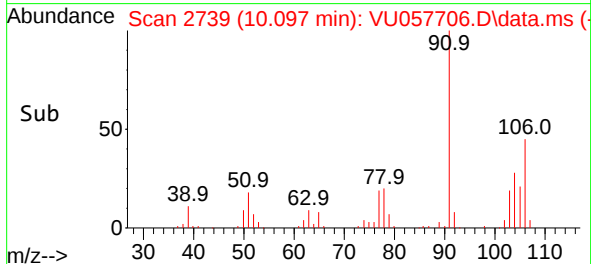
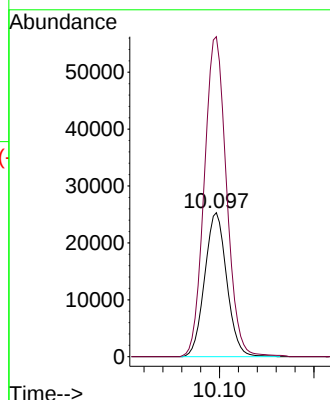
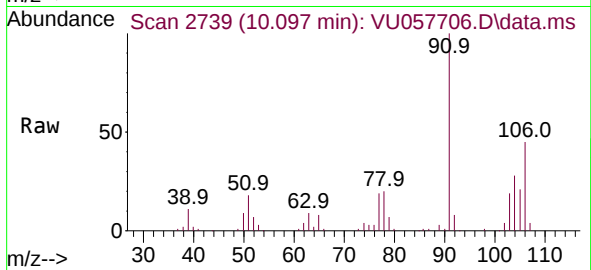
ClientSampleId :

Tgt Ion:106 Resp: 41092

Ion Ratio Lower Upper

106 100

91 222.3 158.1 293.5



#55

Styrene

Concen: 4.217 ug/L

RT: 10.109 min Scan# 2743

Delta R.T. -0.000 min

Lab File: VU057706.D

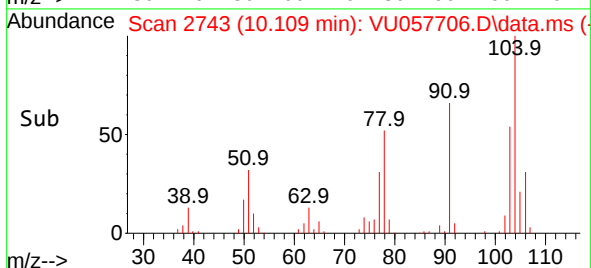
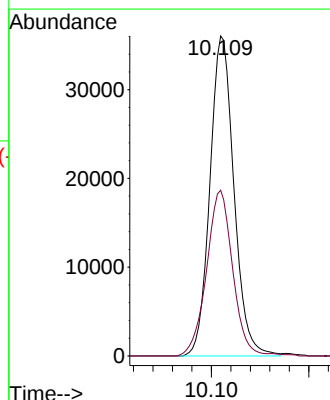
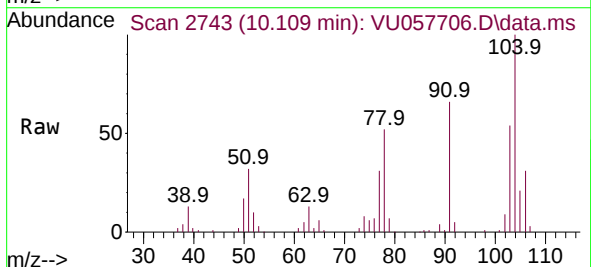
Acq: 29 Jan 2024 09:19

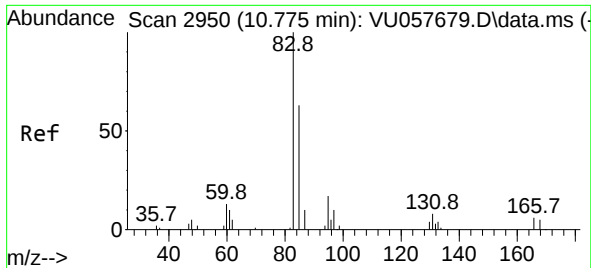
Tgt Ion:104 Resp: 61758

Ion Ratio Lower Upper

104 100

78 51.8 34.3 63.7

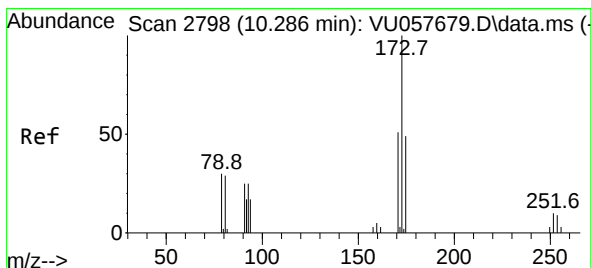
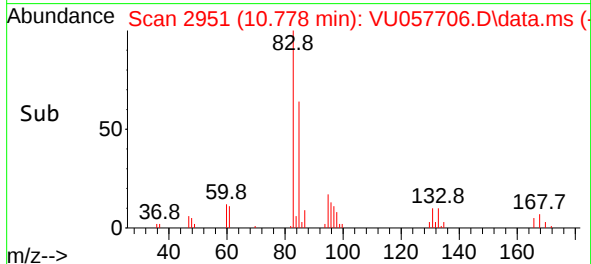
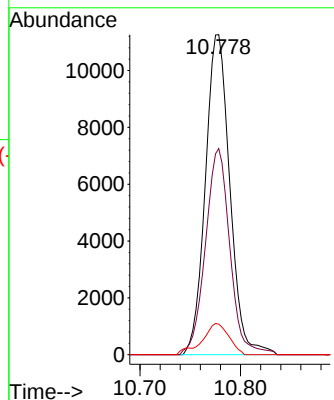
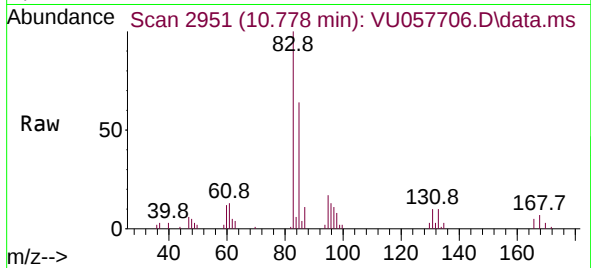




#57  
1,1,2,2-Tetrachloroethane  
Concen: 4.408 ug/L  
RT: 10.778 min Scan# 2951  
Delta R.T. 0.003 min  
Lab File: VU057706.D  
Acq: 29 Jan 2024 09:19

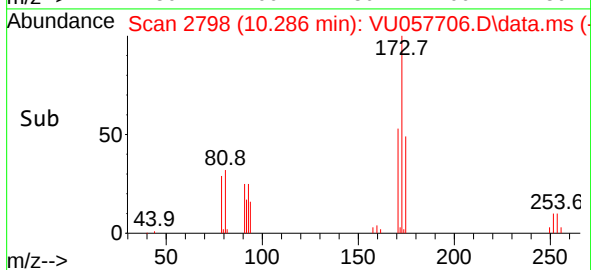
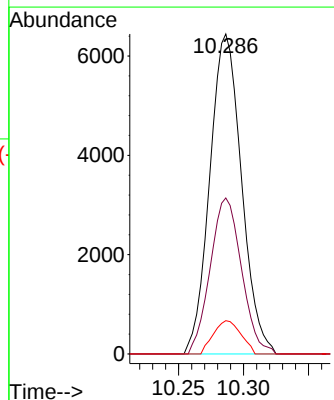
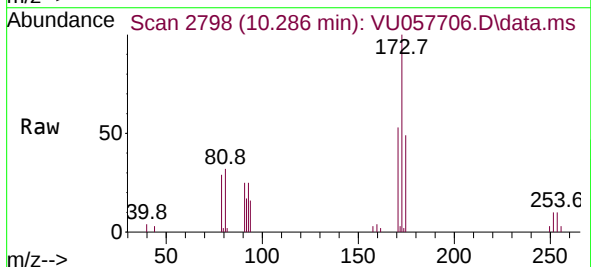
Instrument :  
MSVOA\_U  
ClientSampleId :

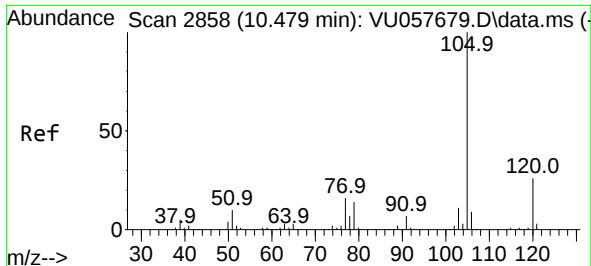
Tgt Ion: 83 Resp: 19062  
Ion Ratio Lower Upper  
83 100  
85 64.4 44.4 82.5  
131 9.5 8.3 12.5



#59  
Bromoform  
Concen: 4.571 ug/L  
RT: 10.286 min Scan# 2798  
Delta R.T. -0.000 min  
Lab File: VU057706.D  
Acq: 29 Jan 2024 09:19

Tgt Ion:173 Resp: 10926  
Ion Ratio Lower Upper  
173 100  
175 48.1 37.5 56.3  
254 9.0 7.2 10.8

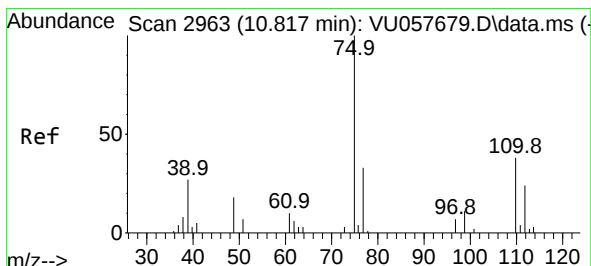
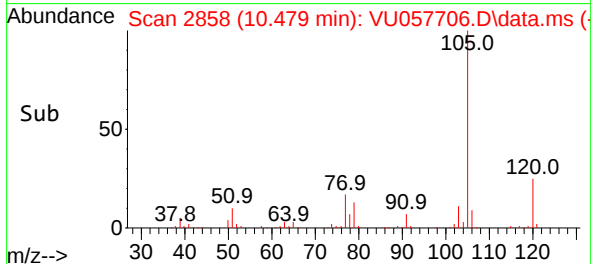
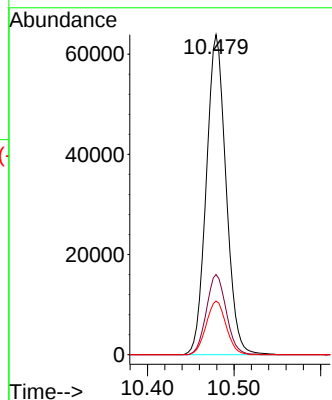
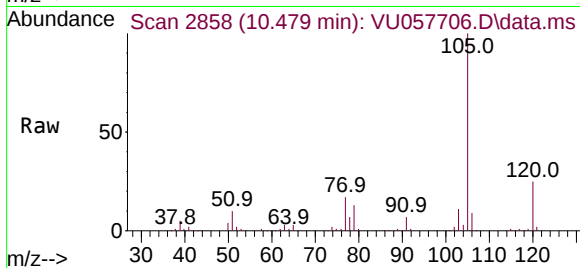




#60  
Isopropylbenzene  
Concen: 4.382 ug/L  
RT: 10.479 min Scan# 2858  
Delta R.T. -0.000 min  
Lab File: VU057706.D  
Acq: 29 Jan 2024 09:19

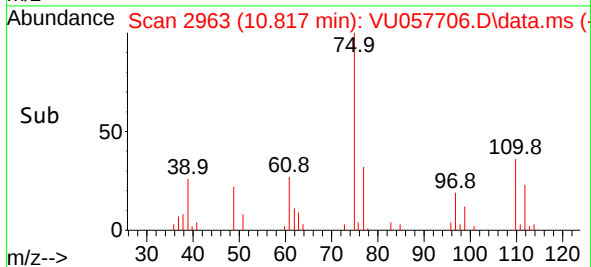
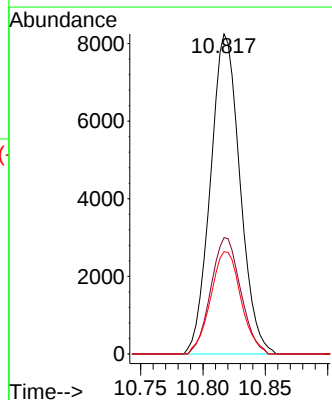
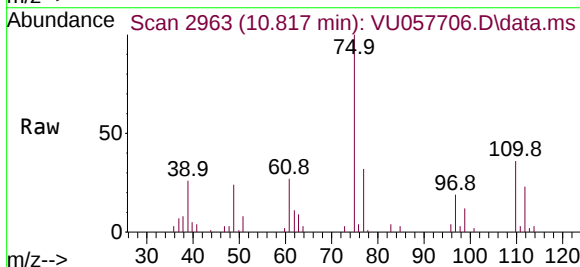
Instrument :  
MSVOA\_U  
ClientSampleId :

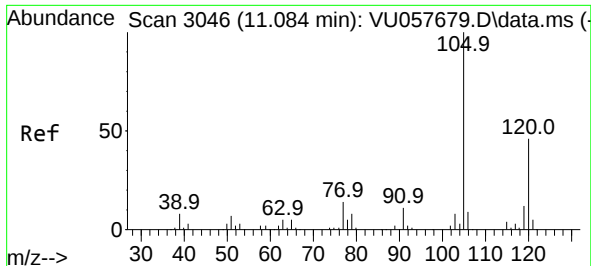
Tgt Ion:105 Resp: 101040  
Ion Ratio Lower Upper  
105 100  
120 25.2 20.8 31.2  
77 16.9 13.2 19.8



#61  
1,2,3-Trichloropropane  
Concen: 4.599 ug/L  
RT: 10.817 min Scan# 2963  
Delta R.T. -0.000 min  
Lab File: VU057706.D  
Acq: 29 Jan 2024 09:19

Tgt Ion: 75 Resp: 13582  
Ion Ratio Lower Upper  
75 100  
110 36.7 30.1 45.1  
77 32.9 25.5 38.3





#62

1,3,5-Trimethylbenzene

Concen: 4.374 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. -0.000 min

Lab File: VU057706.D

Acq: 29 Jan 2024 09:19

Instrument :

MSVOA\_U

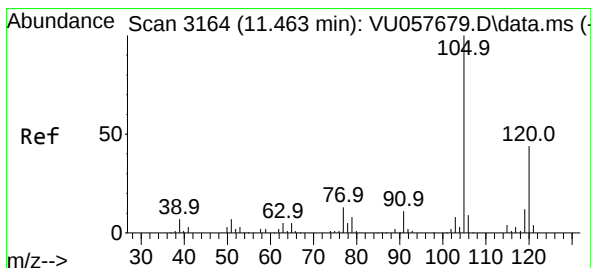
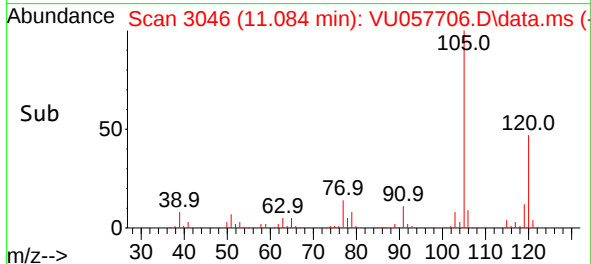
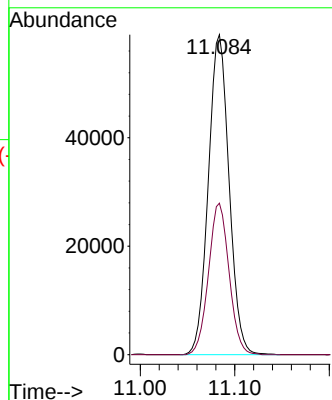
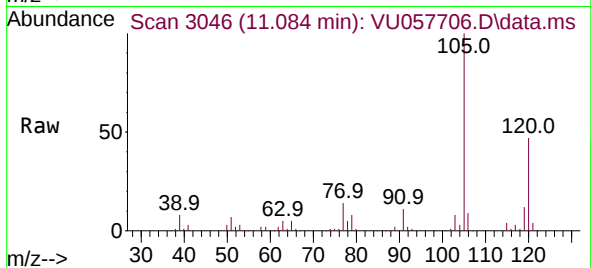
ClientSampleId :

Tgt Ion:105 Resp: 89888

Ion Ratio Lower Upper

105 100

120 47.0 36.9 55.3



#63

1,2,4-Trimethylbenzene

Concen: 4.443 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VU057706.D

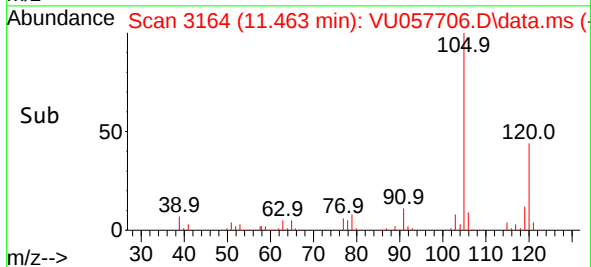
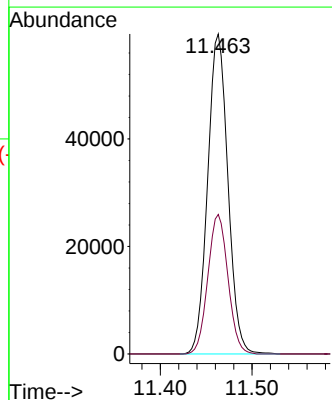
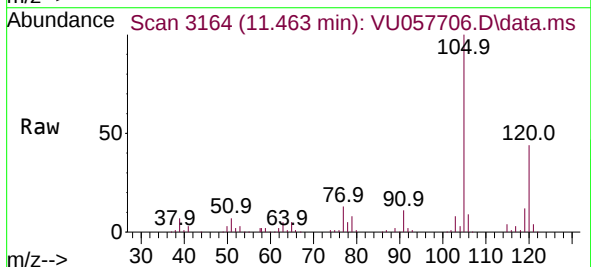
Acq: 29 Jan 2024 09:19

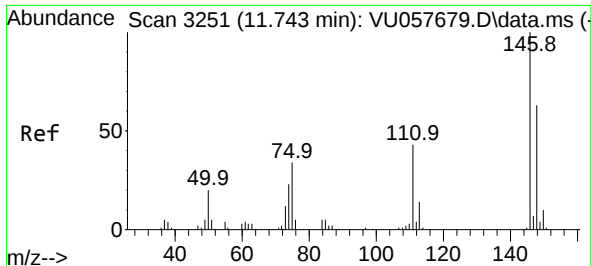
Tgt Ion:105 Resp: 91366

Ion Ratio Lower Upper

105 100

120 43.3 35.0 52.4

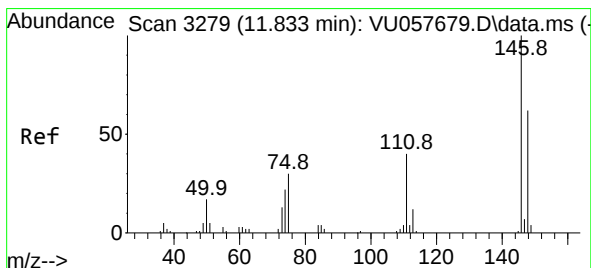
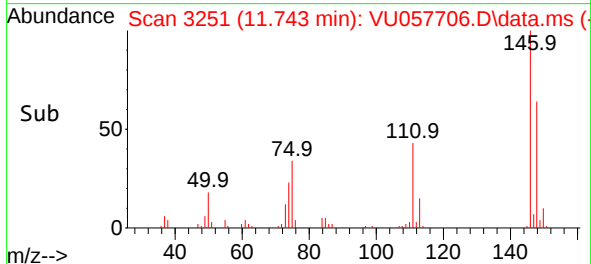
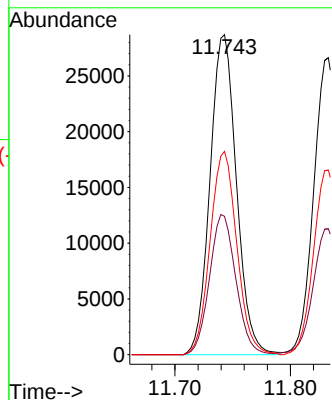
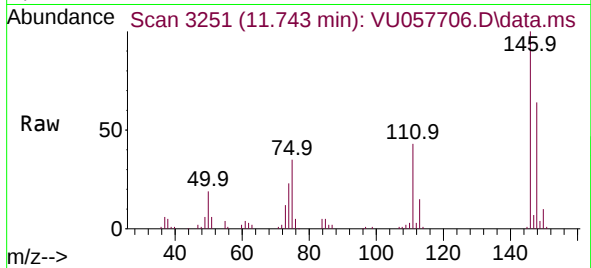




#64  
1,3-Dichlorobenzene  
Concen: 4.337 ug/L  
RT: 11.743 min Scan# 3251  
Delta R.T. -0.000 min  
Lab File: VU057706.D  
Acq: 29 Jan 2024 09:19

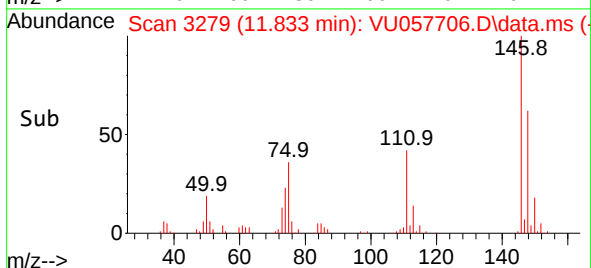
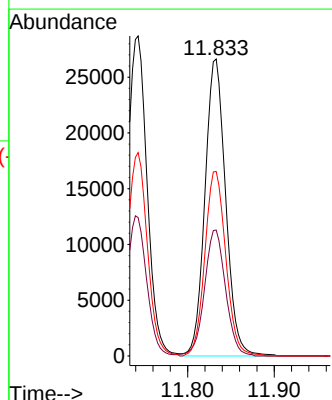
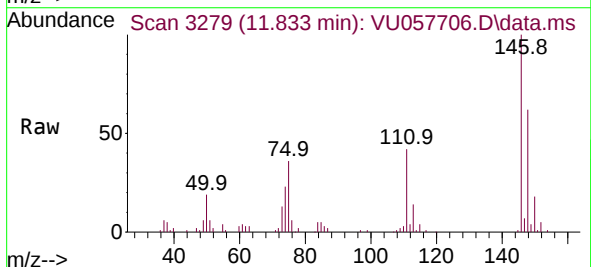
Instrument :  
MSVOA\_U  
ClientSampleId :

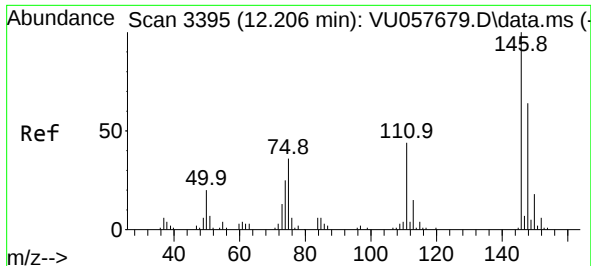
Tgt Ion:146 Resp: 45642  
Ion Ratio Lower Upper  
146 100  
111 43.3 29.6 55.0  
148 63.5 44.2 82.2



#65  
1,4-Dichlorobenzene  
Concen: 4.397 ug/L  
RT: 11.833 min Scan# 3279  
Delta R.T. -0.000 min  
Lab File: VU057706.D  
Acq: 29 Jan 2024 09:19

Tgt Ion:146 Resp: 44297  
Ion Ratio Lower Upper  
146 100  
111 42.4 29.5 54.7  
148 62.1 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 4.467 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU057706.D

Acq: 29 Jan 2024 09:19

Instrument :

MSVOA\_U

ClientSampleId :

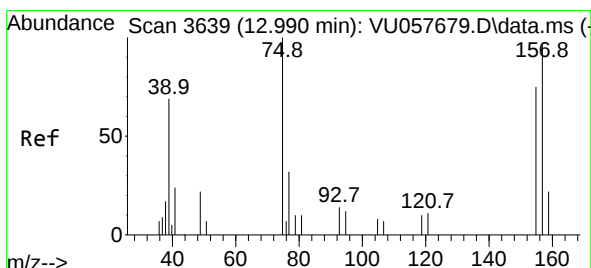
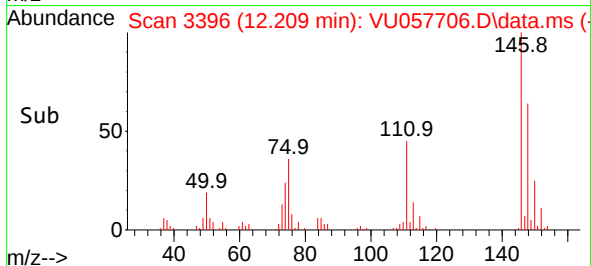
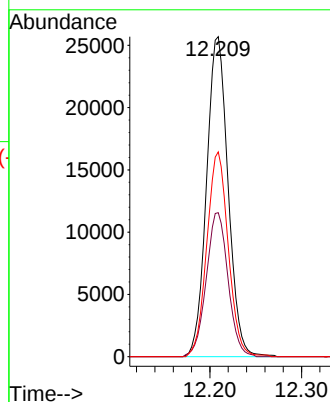
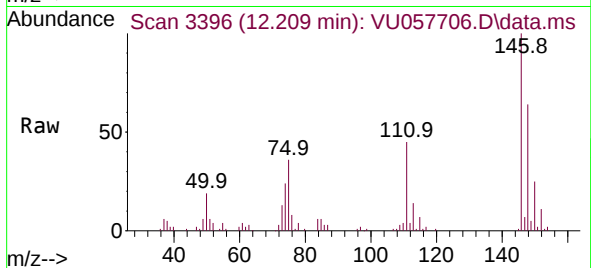
Tgt Ion:146 Resp: 41950

Ion Ratio Lower Upper

146 100

111 45.0 35.7 53.5

148 64.0 50.4 75.6



#68

1,2-Dibromo-3-chloropropane

Concen: 5.230 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.003 min

Lab File: VU057706.D

Acq: 29 Jan 2024 09:19

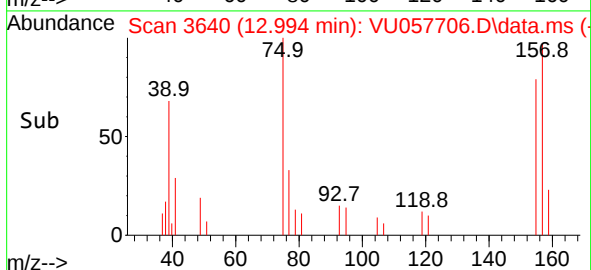
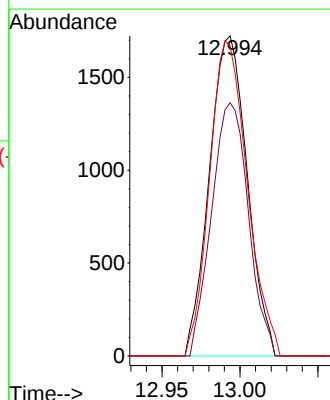
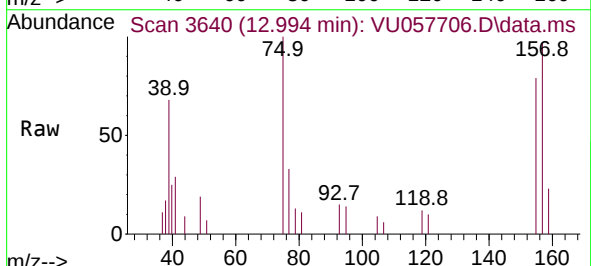
Tgt Ion: 75 Resp: 2908

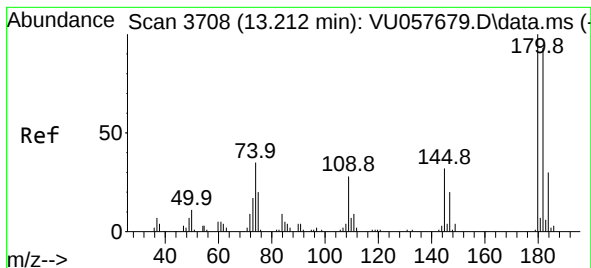
Ion Ratio Lower Upper

75 100

155 79.1 62.8 94.2

157 96.9 78.9 118.3





#69

1,3,5-Trichlorobenzene

Concen: 4.548 ug/L

RT: 13.215 min Scan# 3708

Delta R.T. 0.003 min

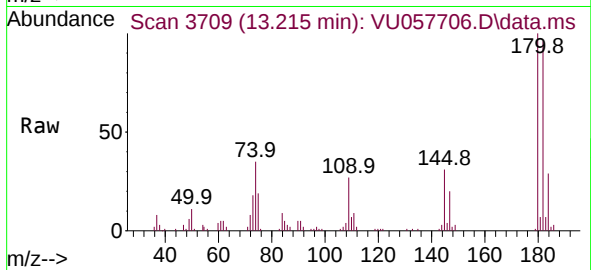
Lab File: VU057706.D

Acq: 29 Jan 2024 09:19

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion:180 Resp: 35136

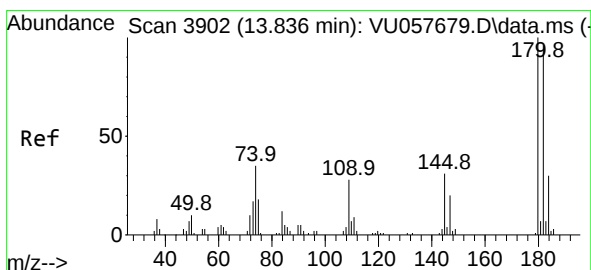
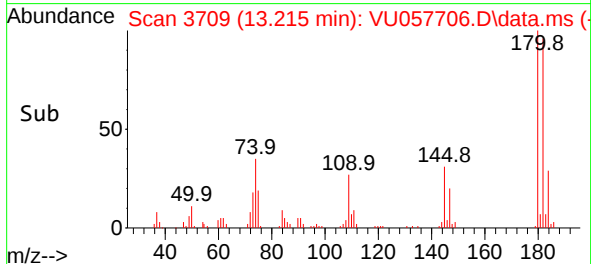
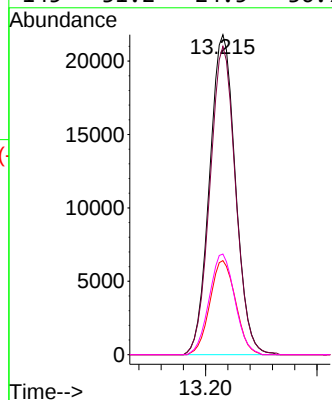
Ion Ratio Lower Upper

180 100

182 95.4 75.4 113.2

184 29.2 24.1 36.1

145 31.2 24.5 36.7



#70

1,2,4-trichlorobenzene

Concen: 4.712 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. -0.000 min

Lab File: VU057706.D

Acq: 29 Jan 2024 09:19

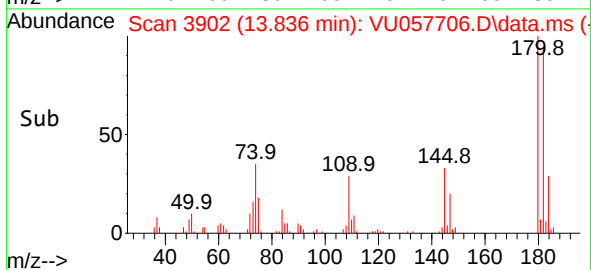
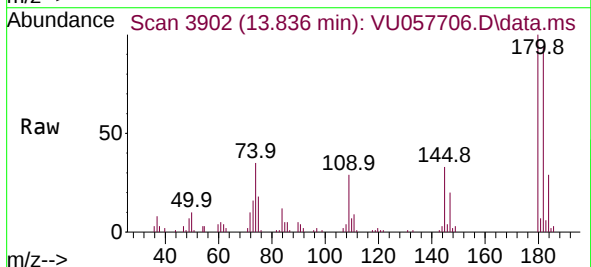
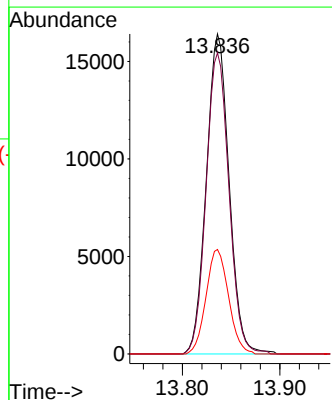
Tgt Ion:180 Resp: 26665

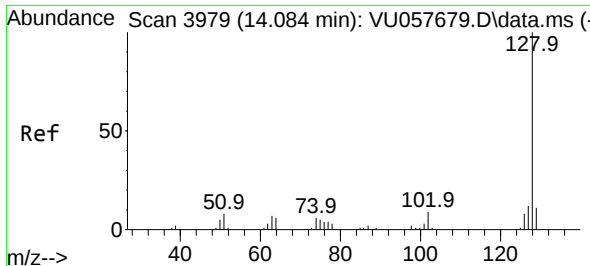
Ion Ratio Lower Upper

180 100

182 94.3 74.9 112.3

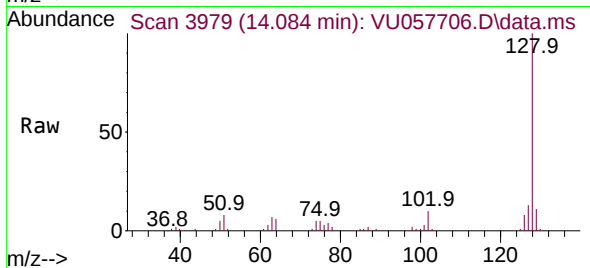
145 32.3 25.4 38.2



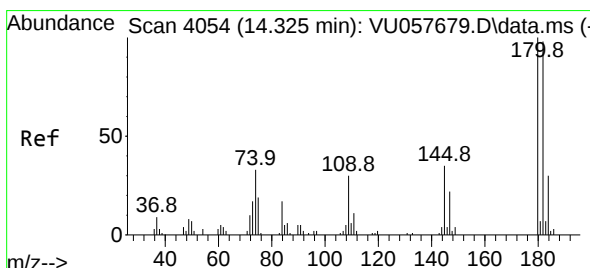
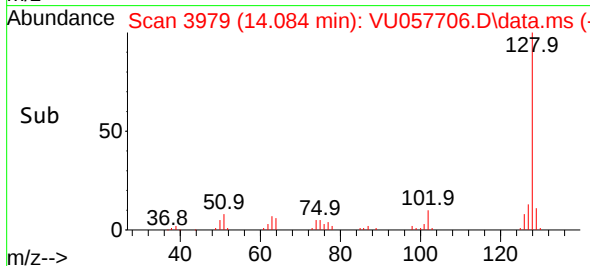
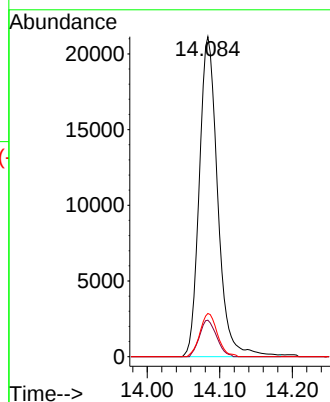


#71  
Naphthalene  
Concen: 4.660 ug/L  
RT: 14.084 min Scan# 3979  
Delta R.T. -0.000 min  
Lab File: VU057706.D  
Acq: 29 Jan 2024 09:19

Instrument :  
MSVOA\_U  
ClientSampleId :



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 37330 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 10.6  | 8.6   | 13.0  |
| 127       | 12.8  | 10.0  | 15.0  |



#72  
1,2,3-Trichlorobenzene  
Concen: 4.699 ug/L  
RT: 14.325 min Scan# 4054  
Delta R.T. -0.000 min  
Lab File: VU057706.D  
Acq: 29 Jan 2024 09:19

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 20697 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.1  | 78.1  | 117.1 |
| 145       | 33.6  | 26.7  | 40.1  |

