

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011625\  
 Data File : VU062805.D  
 Acq On : 16 Jan 2025 09:06  
 Operator : MD/SY  
 Sample : VSTDCCC005  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jan 16 22:00:49 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR010225WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Jan 16 01:55:19 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.238  | 114   | 100391   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.409  | 117   | 91951    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152   | 49066    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.595  | 65    | 26333    | 4.736    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 94.800%  |
| 7) Chloroethane-d5            | 1.901  | 69    | 22415    | 5.012    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 100.200% |
| 11) 1,1-Dichloroethene-d2     | 2.557  | 65    | 13618    | 4.728    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 94.600%  |
| 20) 2-Butanone-d5             | 4.605  | 46    | 59718    | 52.552   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 105.100% |
| 24) Chloroform-d              | 5.049  | 84    | 69814    | 5.103    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 102.000% |
| 26) 1,2-Dichloroethane-d4     | 5.688  | 65    | 37609    | 5.069    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 101.400% |
| 32) Benzene-d6                | 5.714  | 84    | 118351   | 5.265    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 105.400% |
| 36) 1,2-Dichloropropane-d6    | 6.679  | 67    | 30989    | 4.973    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 99.400%  |
| 41) Toluene-d8                | 7.888  | 98    | 113764   | 5.195    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 104.000% |
| 43) trans-1,3-Dichloroprop... | 8.171  | 79    | 17094    | 5.503    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 110.000% |
| 46) 2-Hexanone-d5             | 8.621  | 63    | 50614    | 51.805   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 103.600% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746 | 84    | 28238    | 5.410    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 108.200% |
| 66) 1,2-Dichlorobenzene-d4    | 12.183 | 152   | 43000    | 5.268    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 105.400% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.380  | 85    | 47024    | 4.917    | ug/L   | 97       |
| 3) Chloromethane              | 1.515  | 50    | 28887    | 4.501    | ug/L   | 99       |
| 5) Vinyl chloride             | 1.599  | 62    | 33356    | 4.616    | ug/L   | 98       |
| 6) Bromomethane               | 1.840  | 94    | 22713    | 4.320    | ug/L   | 96       |
| 8) Chloroethane               | 1.923  | 64    | 20313    | 4.678    | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 2.129  | 101   | 72659    | 4.984    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.570  | 101   | 34926    | 4.959    | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.570  | 96    | 30671    | 4.922    | ug/L   | 98       |
| 13) Acetone                   | 2.611  | 43    | 44281    | 49.190   | ug/L   | 97       |
| 14) Carbon disulfide          | 2.782  | 76    | 89135    | 4.478    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.936  | 43    | 10520    | 5.397    | ug/L   | 99       |
| 16) Methylene chloride        | 3.033  | 84    | 33588    | 4.920    | ug/L   | 96       |
| 17) Methyl tert-butyl Ether   | 3.348  | 73    | 88079    | 5.142    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.341  | 96    | 32044    | 4.799    | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.853  | 63    | 57751    | 4.838    | ug/L   | 94       |
| 21) 2-Butanone                | 4.685  | 43    | 61195    | 51.043   | ug/L   | 99       |
| 22) cis-1,2-Dichloroethene    | 4.653  | 96    | 37622    | 5.174    | ug/L   | 97       |
| 23) Bromochloromethane        | 4.962  | 128   | 17297    | 5.039    | ug/L   | 98       |
| 25) Chloroform                | 5.074  | 83    | 73498    | 5.003    | ug/L   | 94       |

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 Data File : VU062805.D  
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 Sample : VSTDCCC005  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

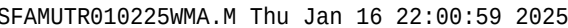
Instrument :  
 MSVOA\_U  
 ClientSampleId :

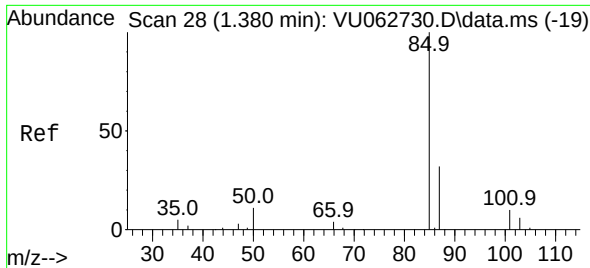
Quant Time: Jan 16 22:00:49 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR010225WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Jan 16 01:55:19 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.782  | 62   | 47890    | 4.985  | ug/L   | 97       |
| 29) 1,1,1-Trichloroethane     | 5.303  | 97   | 70278    | 5.039  | ug/L   | 99       |
| 30) Cyclohexane               | 5.377  | 56   | 44755    | 4.914  | ug/L   | 94       |
| 31) Carbon tetrachloride      | 5.512  | 117  | 66657    | 5.200  | ug/L   | 96       |
| 33) Benzene                   | 5.762  | 78   | 133928   | 5.069  | ug/L   | 100      |
| 34) Trichloroethene           | 6.531  | 95   | 40265    | 4.462  | ug/L   | 94       |
| 35) Methylcyclohexane         | 6.753  | 83   | 55234    | 4.974  | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 6.778  | 63   | 30839    | 4.948  | ug/L   | 98       |
| 38) Bromodichloromethane      | 7.094  | 83   | 51804    | 5.169  | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 7.595  | 75   | 53990    | 5.088  | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 7.775  | 43   | 156286   | 53.685 | ug/L   | 100      |
| 42) Toluene                   | 7.958  | 91   | 151657   | 5.239  | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 8.200  | 75   | 49325    | 5.392  | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 8.386  | 97   | 26007    | 5.138  | ug/L   | 89       |
| 47) Tetrachloroethene         | 8.544  | 164  | 32311    | 5.198  | ug/L   | 98       |
| 48) 2-Hexanone                | 8.672  | 43   | 108537   | 51.859 | ug/L   | 98       |
| 49) Dibromochloromethane      | 8.798  | 129  | 36228    | 5.331  | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 8.913  | 107  | 25994    | 5.368  | ug/L   | 98       |
| 51) Chlorobenzene             | 9.438  | 112  | 96653    | 5.106  | ug/L   | 98       |
| 52) Ethylbenzene              | 9.560  | 91   | 172773   | 5.259  | ug/L   | 97       |
| 53) m,p-Xylene                | 9.685  | 106  | 65359    | 5.320  | ug/L   | 99       |
| 54) o-Xylene                  | 10.090 | 106  | 63060    | 5.359  | ug/L   | 98       |
| 55) Styrene                   | 10.103 | 104  | 107658   | 5.469  | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.772 | 83   | 30942    | 5.450  | ug/L # | 95       |
| 59) Bromoform                 | 10.280 | 173  | 22637    | 5.289  | ug/L   | 98       |
| 60) Isopropylbenzene          | 10.473 | 105  | 178706   | 5.285  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.814 | 75   | 23526    | 5.406  | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.077 | 105  | 157759   | 5.489  | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.457 | 105  | 149844   | 5.390  | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 11.736 | 146  | 81632    | 5.208  | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 11.826 | 146  | 80462    | 5.090  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 12.203 | 146  | 77169    | 5.253  | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.987 | 75   | 5898     | 5.232  | ug/L   | 95       |
| 69) 1,3,5-Trichlorobenzene    | 13.209 | 180  | 60608    | 5.134  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.830 | 180  | 43764    | 4.603  | ug/L   | 99       |
| 71) Naphthalene               | 14.080 | 128  | 56365    | 4.051  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.318 | 180  | 36151    | 4.362  | ug/L   | 96       |

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

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QLast Update : Thu Jan 16 01:55:19 2025  
Response via : Initial Calibration

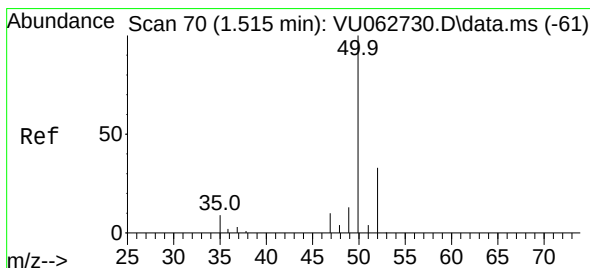
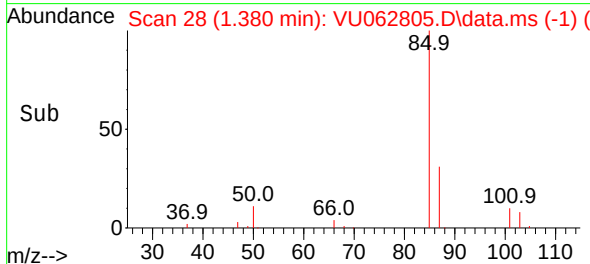
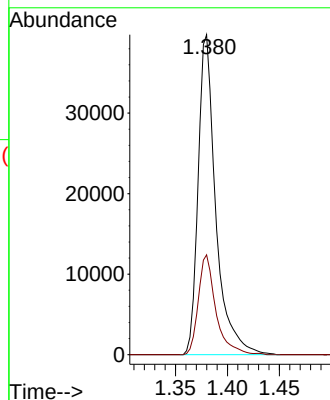
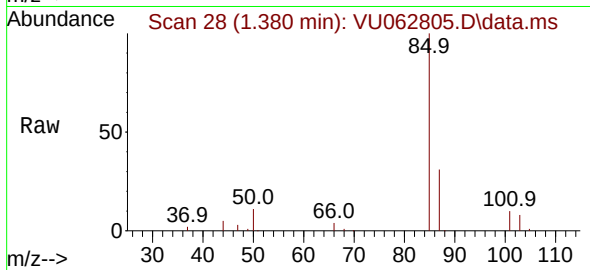




#2  
Dichlorodifluoromethane  
Concen: 4.917 ug/L  
RT: 1.380 min Scan# 28  
Delta R.T. 0.003 min  
Lab File: VU062805.D  
Acq: 16 Jan 2025 09:06

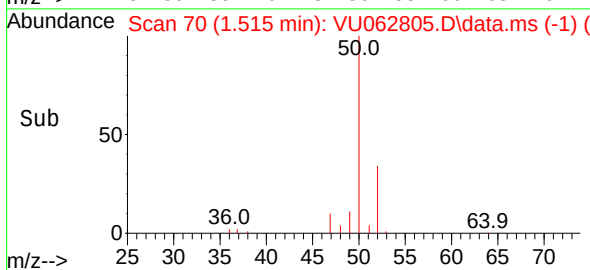
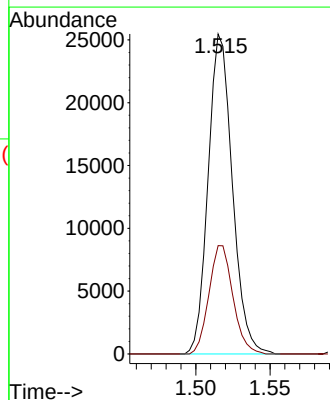
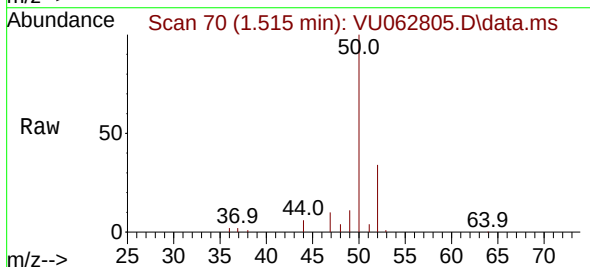
Instrument :  
MSVOA\_U  
ClientSampleId :

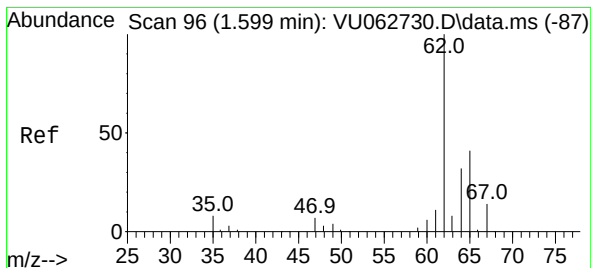
Tgt Ion: 85 Resp: 47024  
Ion Ratio Lower Upper  
85 100  
87 31.0 26.1 39.1



#3  
Chloromethane  
Concen: 4.501 ug/L  
RT: 1.515 min Scan# 70  
Delta R.T. -0.000 min  
Lab File: VU062805.D  
Acq: 16 Jan 2025 09:06

Tgt Ion: 50 Resp: 28887  
Ion Ratio Lower Upper  
50 100  
52 33.9 24.1 44.7





#5

Vinyl chloride

Concen: 4.616 ug/L

RT: 1.599 min Scan# 90

Delta R.T. -0.000 min

Lab File: VU062805.D

Acq: 16 Jan 2025 09:06

Instrument :

MSVOA\_U

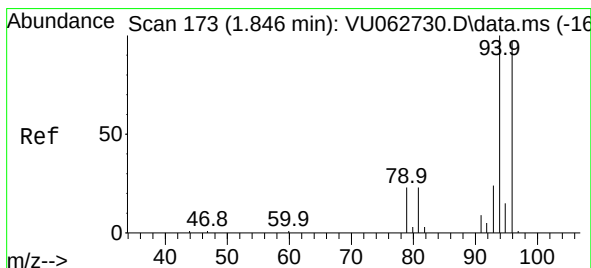
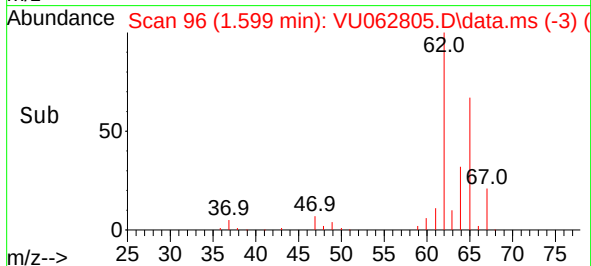
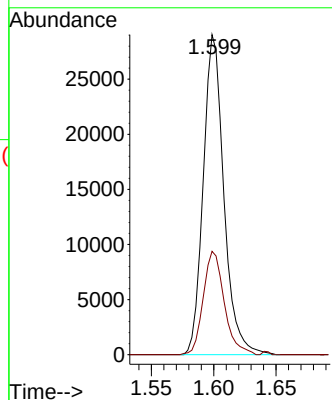
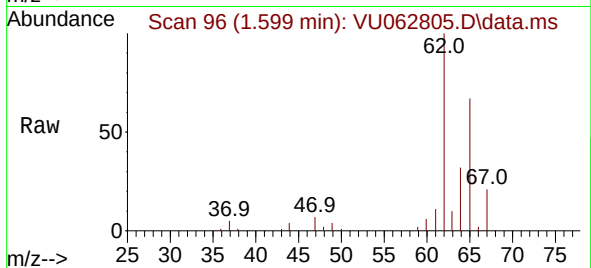
ClientSampleId :

Tgt Ion: 62 Resp: 33356

Ion Ratio Lower Upper

62 100

64 32.3 23.4 43.4



#6

Bromomethane

Concen: 4.320 ug/L

RT: 1.840 min Scan# 171

Delta R.T. -0.000 min

Lab File: VU062805.D

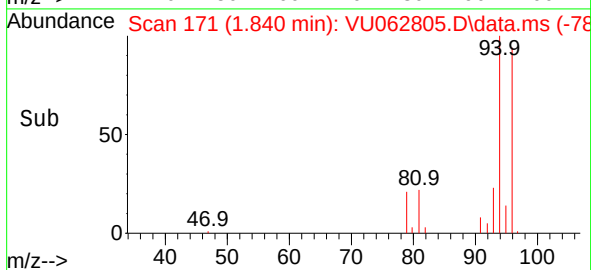
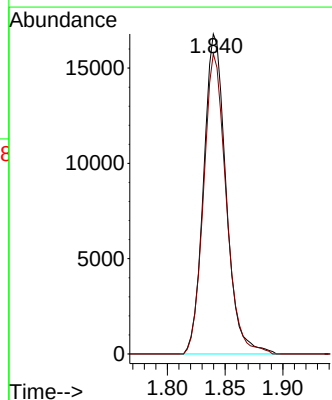
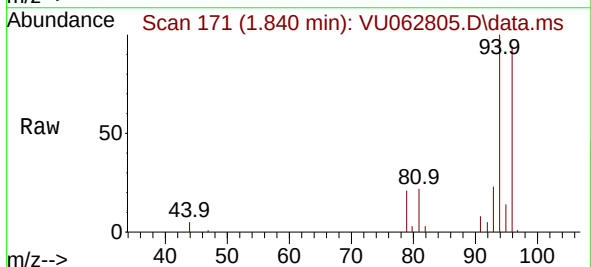
Acq: 16 Jan 2025 09:06

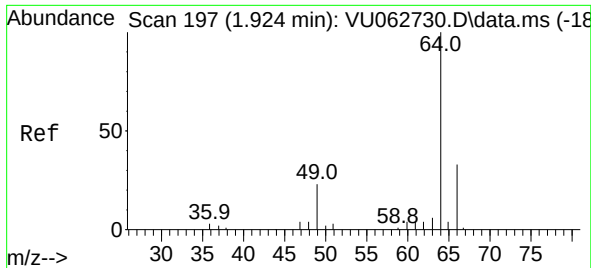
Tgt Ion: 94 Resp: 22713

Ion Ratio Lower Upper

94 100

96 93.8 62.9 116.7

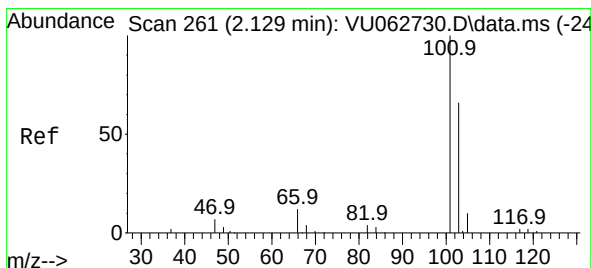
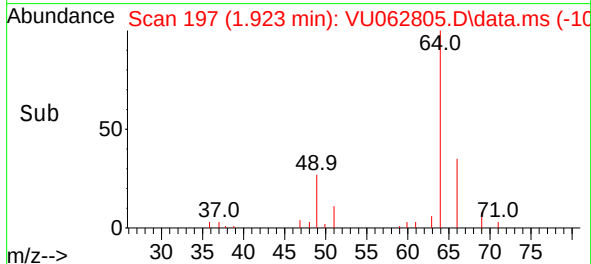
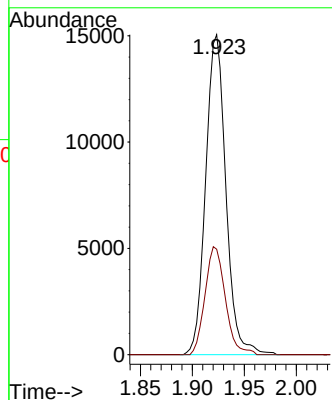
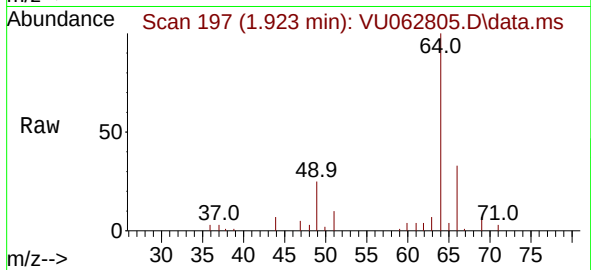




#8  
Chloroethane  
Concen: 4.678 ug/L  
RT: 1.923 min Scan# 197  
Delta R.T. 0.003 min  
Lab File: VU062805.D  
Acq: 16 Jan 2025 09:06

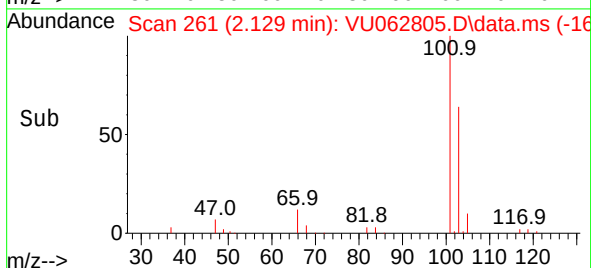
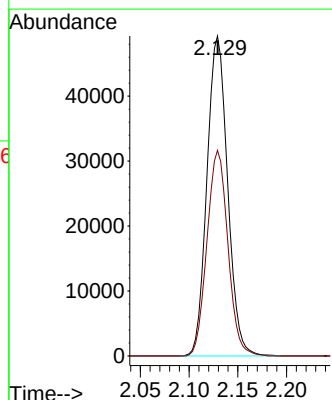
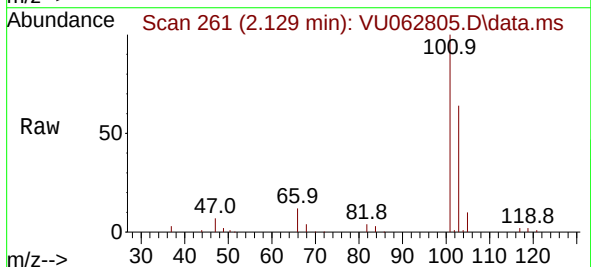
Instrument :  
MSVOA\_U  
ClientSampleId :

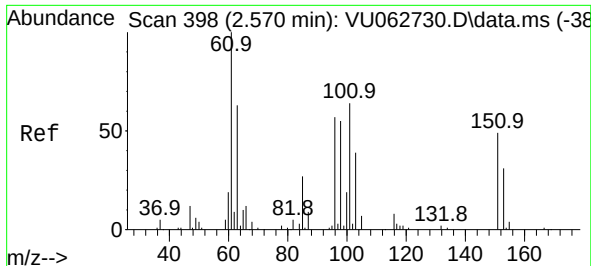
Tgt Ion: 64 Resp: 20313  
Ion Ratio Lower Upper  
64 100  
66 33.0 21.6 40.2



#9  
Trichlorofluoromethane  
Concen: 4.984 ug/L  
RT: 2.129 min Scan# 261  
Delta R.T. 0.003 min  
Lab File: VU062805.D  
Acq: 16 Jan 2025 09:06

Tgt Ion:101 Resp: 72659  
Ion Ratio Lower Upper  
101 100  
103 65.1 51.4 77.0





#10

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

Concen: 4.959 ug/L

RT: 2.570 min Scan# 398

Delta R.T. -0.000 min

Lab File: VU062805.D

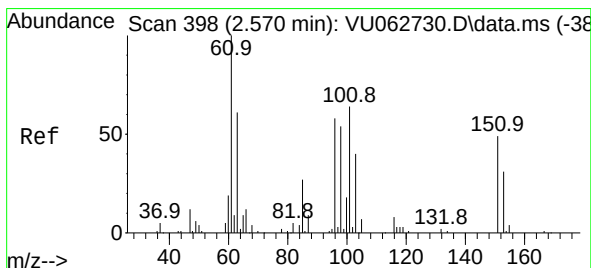
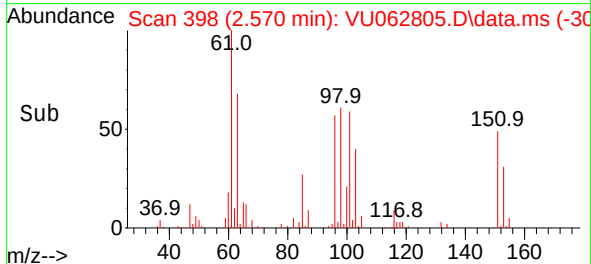
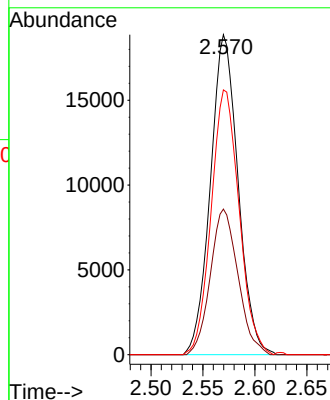
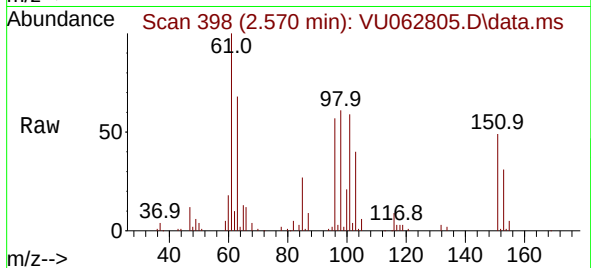
Acq: 16 Jan 2025 09:06

Instrument :

MSVOA\_U

ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:101 | Resp: | 34926     |
| Ion Ratio   | Lower | Upper     |
| 101         | 100   |           |
| 85          | 45.5  | 37.0 55.6 |
| 151         | 83.6  | 64.4 96.6 |



#12

1,1-Dichloroethene

Concen: 4.922 ug/L

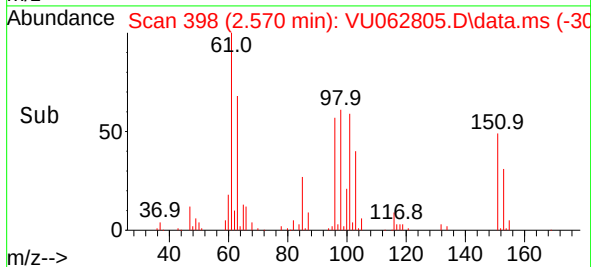
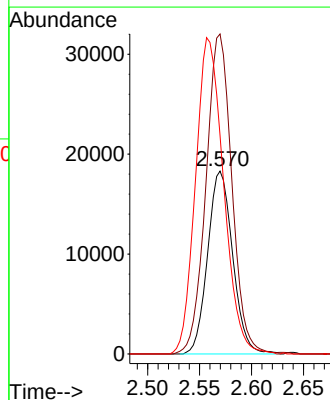
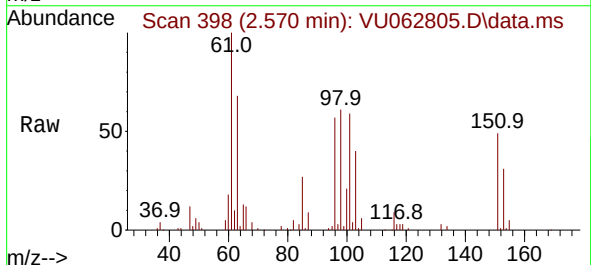
RT: 2.570 min Scan# 398

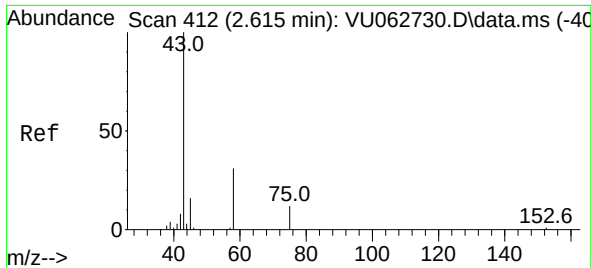
Delta R.T. 0.003 min

Lab File: VU062805.D

Acq: 16 Jan 2025 09:06

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 96 | Resp: | 30671       |
| Ion Ratio   | Lower | Upper       |
| 96          | 100   |             |
| 61          | 174.9 | 120.4 223.6 |
| 63          | 119.4 | 82.3 152.9  |

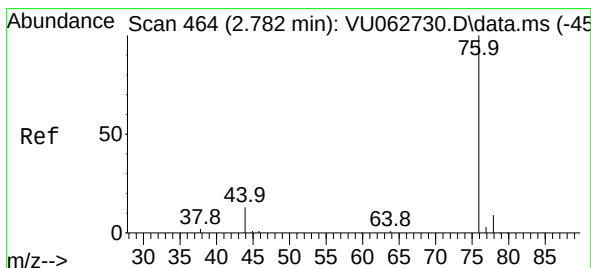
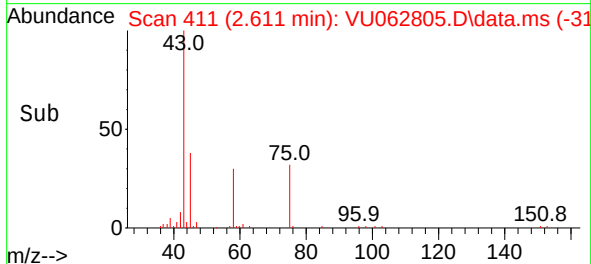
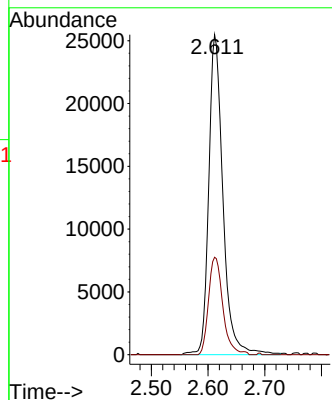
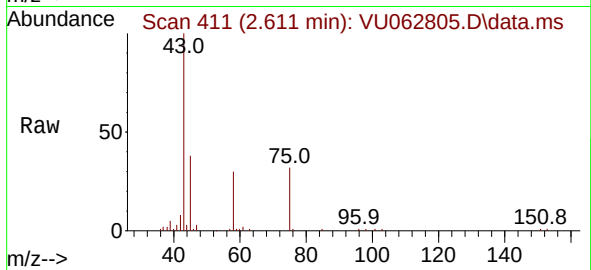




#13  
Acetone  
Concen: 49.190 ug/L  
RT: 2.611 min Scan# 411  
Delta R.T. -0.000 min  
Lab File: VU062805.D  
Acq: 16 Jan 2025 09:06

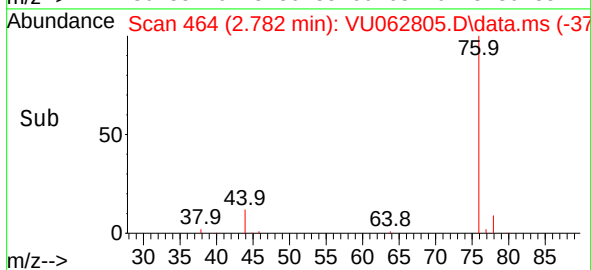
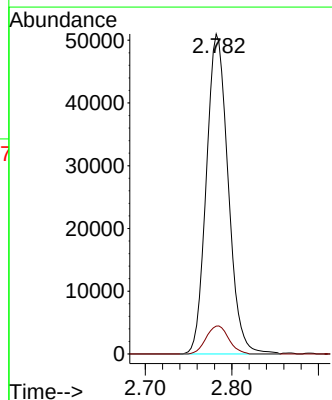
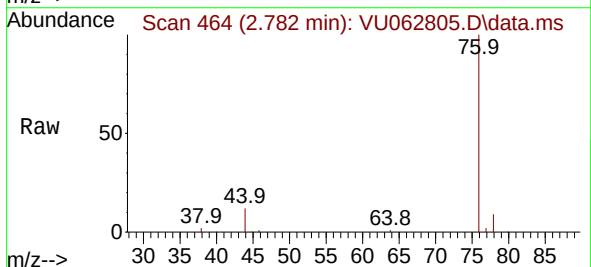
Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 43 Resp: 44281  
Ion Ratio Lower Upper  
43 100  
58 30.8 0.0 64.4

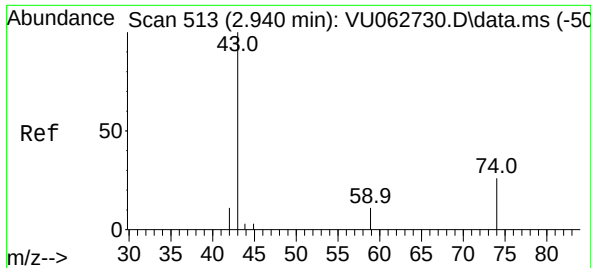


#14  
Carbon disulfide  
Concen: 4.478 ug/L  
RT: 2.782 min Scan# 464  
Delta R.T. 0.003 min  
Lab File: VU062805.D  
Acq: 16 Jan 2025 09:06

Tgt Ion: 76 Resp: 89135  
Ion Ratio Lower Upper  
76 100  
78 8.7 7.0 10.6

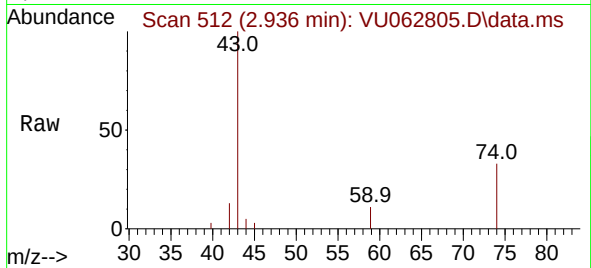




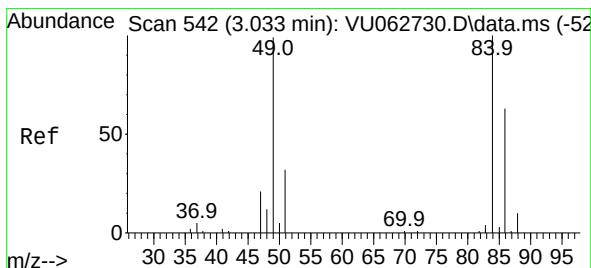
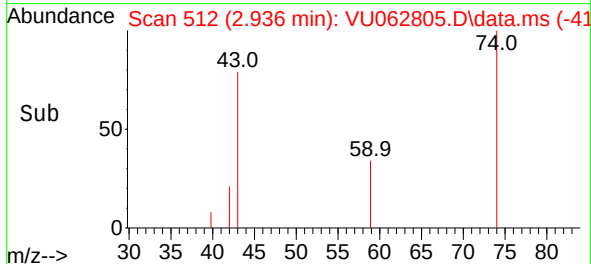
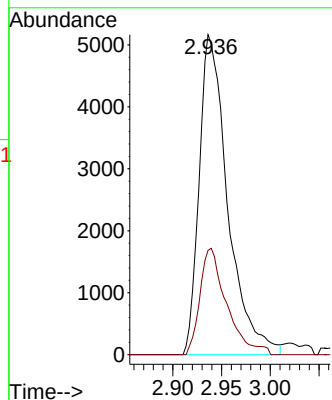


#15  
Methyl Acetate  
Concen: 5.397 ug/L  
RT: 2.936 min Scan# 513  
Delta R.T. -0.000 min  
Lab File: VU062805.D  
Acq: 16 Jan 2025 09:06

Instrument :  
MSVOA\_U  
ClientSampleId :

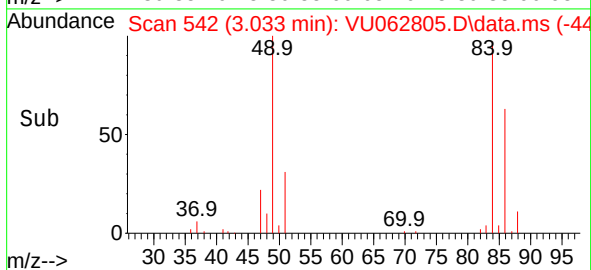
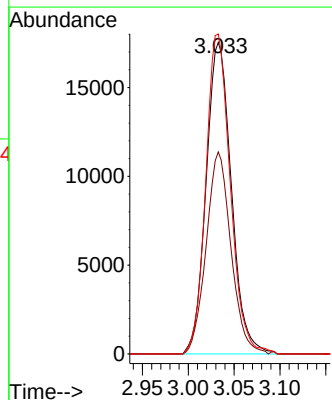
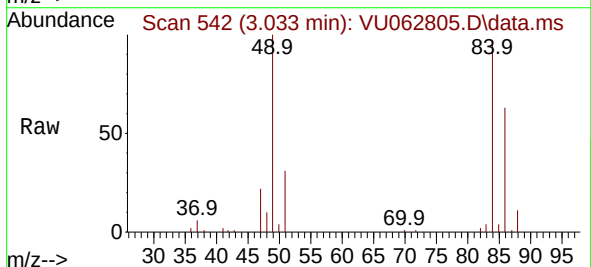


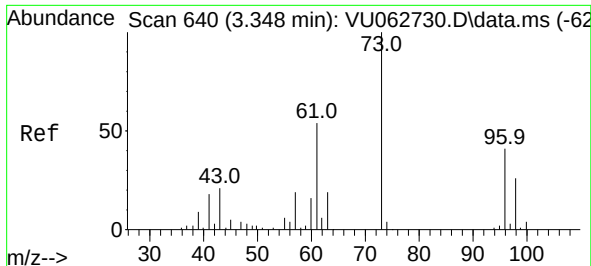
Tgt Ion: 43 Resp: 10520  
Ion Ratio Lower Upper  
43 100  
74 31.1 24.4 36.6



#16  
Methylene chloride  
Concen: 4.920 ug/L  
RT: 3.033 min Scan# 542  
Delta R.T. 0.003 min  
Lab File: VU062805.D  
Acq: 16 Jan 2025 09:06

Tgt Ion: 84 Resp: 33588  
Ion Ratio Lower Upper  
84 100  
86 64.9 44.7 83.1  
49 102.7 68.3 126.9

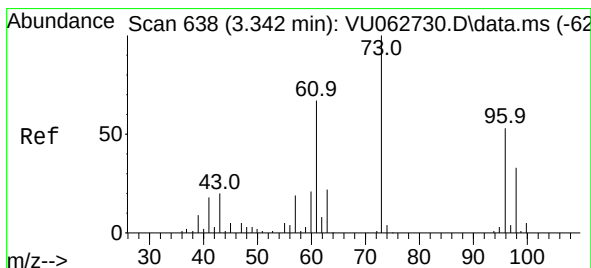
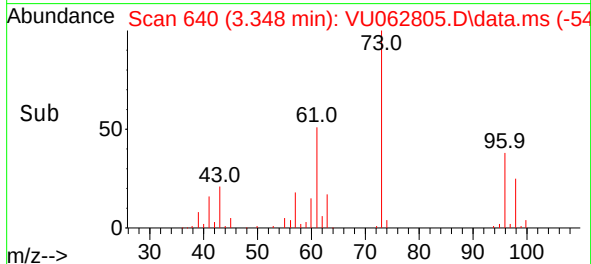
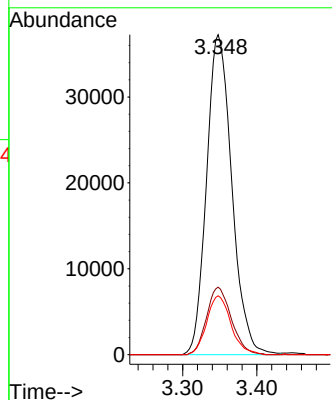
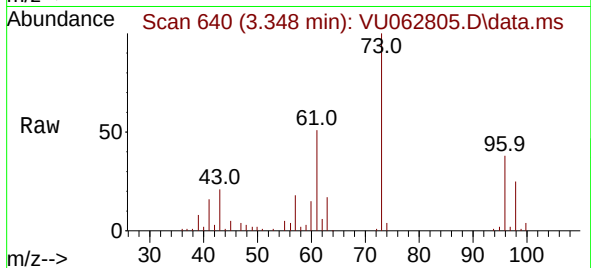




#17  
Methyl tert-butyl Ether  
Concen: 5.142 ug/L  
RT: 3.348 min Scan# 640  
Delta R.T. -0.000 min  
Lab File: VU062805.D  
Acq: 16 Jan 2025 09:06

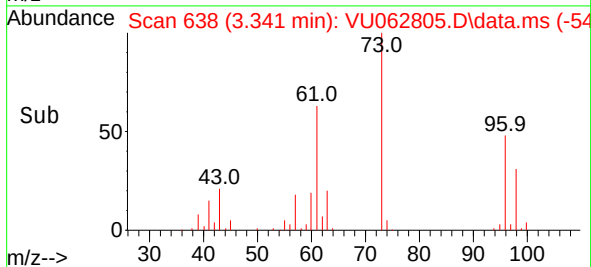
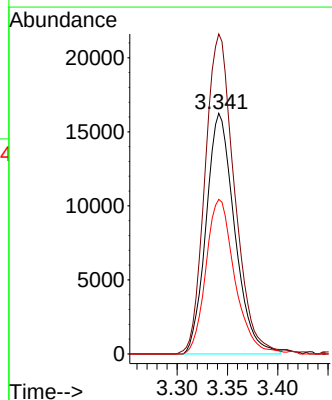
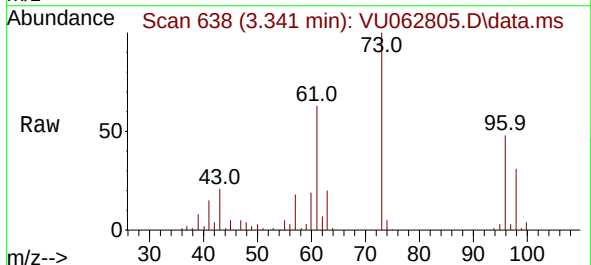
Instrument :  
MSVOA\_U  
ClientSampleId :

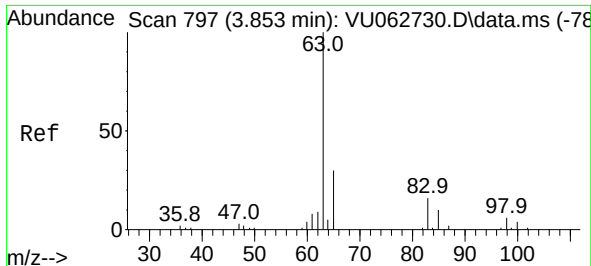
Tgt Ion: 73 Resp: 88079  
Ion Ratio Lower Upper  
73 100  
43 20.6 16.2 24.4  
57 17.7 14.6 22.0



#18  
trans-1,2-Dichloroethene  
Concen: 4.799 ug/L  
RT: 3.341 min Scan# 638  
Delta R.T. -0.000 min  
Lab File: VU062805.D  
Acq: 16 Jan 2025 09:06

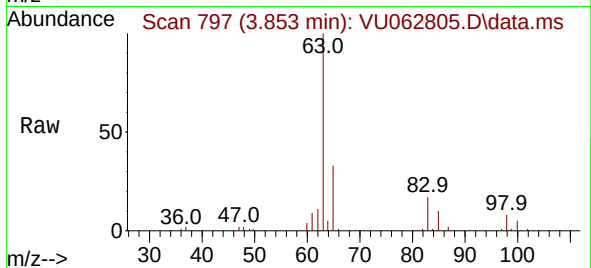
Tgt Ion: 96 Resp: 32044  
Ion Ratio Lower Upper  
96 100  
61 133.0 94.4 175.2  
98 64.2 42.8 79.4



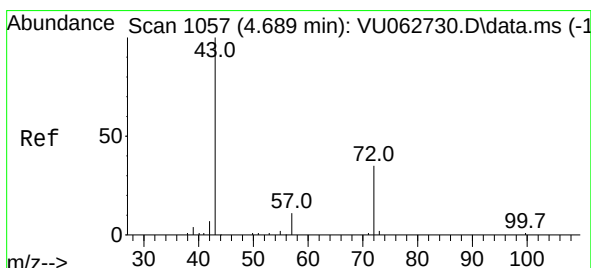
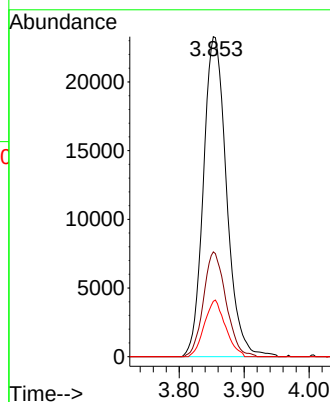
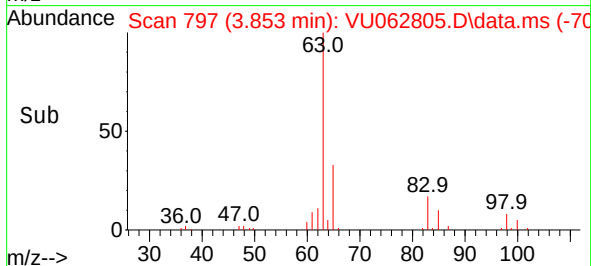


#19  
1,1-Dichloroethane  
Concen: 4.838 ug/L  
RT: 3.853 min Scan# 797  
Delta R.T. -0.000 min  
Lab File: VU062805.D  
Acq: 16 Jan 2025 09:06

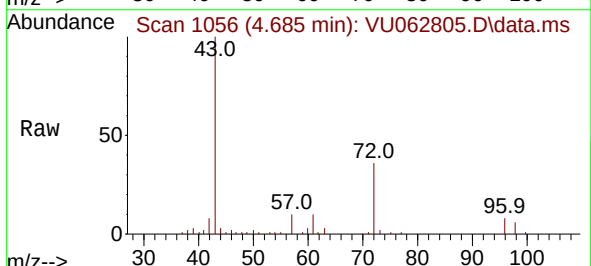
Instrument :  
MSVOA\_U  
ClientSampleId :



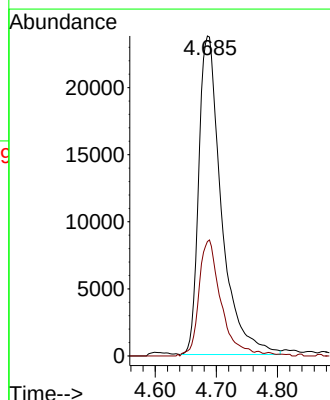
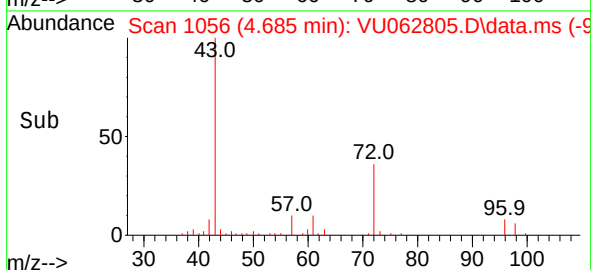
|             |                |
|-------------|----------------|
| Tgt Ion: 63 | Resp: 57751    |
| Ion Ratio   | Lower Upper    |
| 63          | 100            |
| 65          | 32.8 20.7 38.5 |
| 83          | 17.3 10.5 19.5 |

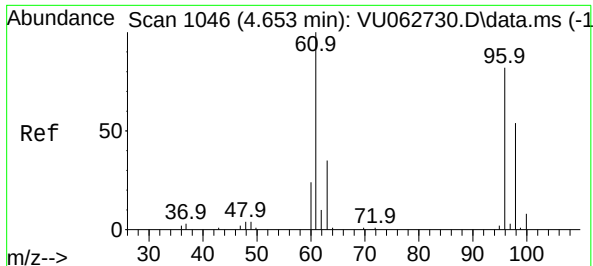


#21  
2-Butanone  
Concen: 51.043 ug/L  
RT: 4.685 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VU062805.D  
Acq: 16 Jan 2025 09:06



|             |                |
|-------------|----------------|
| Tgt Ion: 43 | Resp: 61195    |
| Ion Ratio   | Lower Upper    |
| 43          | 100            |
| 72          | 34.9 17.1 51.2 |

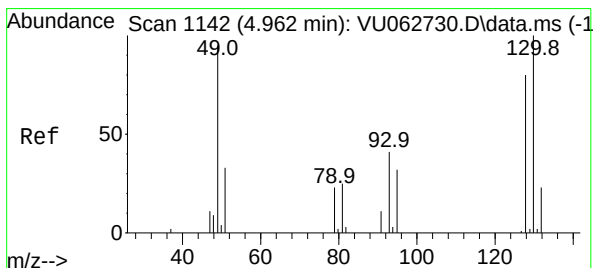
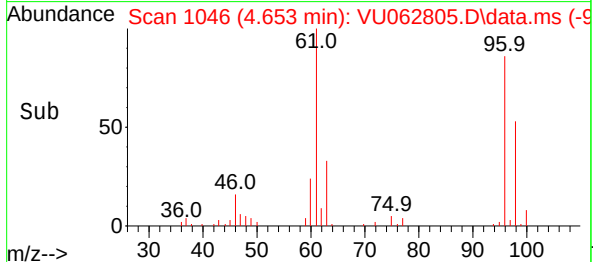
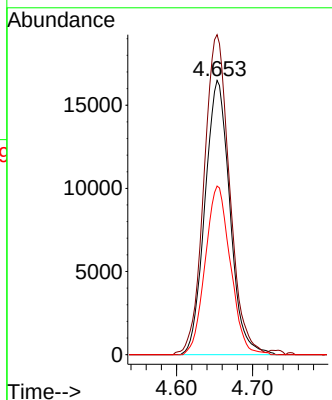
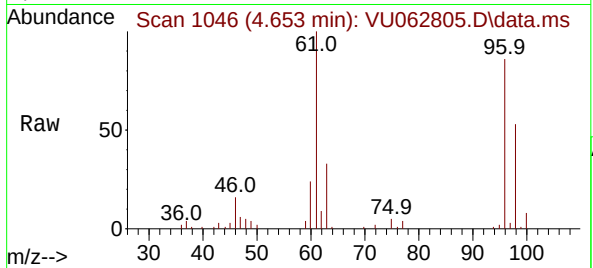




#22  
 cis-1,2-Dichloroethene  
 Concen: 5.174 ug/L  
 RT: 4.653 min Scan# 1046  
 Delta R.T. 0.003 min  
 Lab File: VU062805.D  
 Acq: 16 Jan 2025 09:06

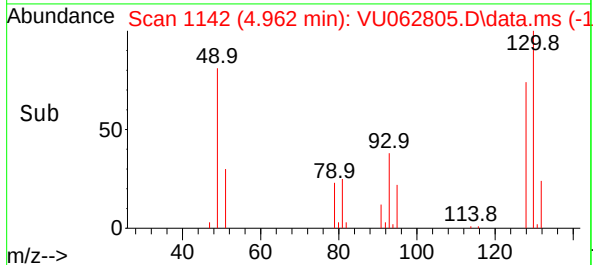
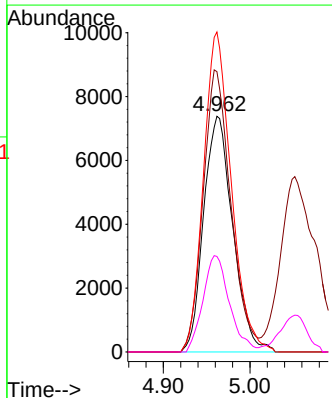
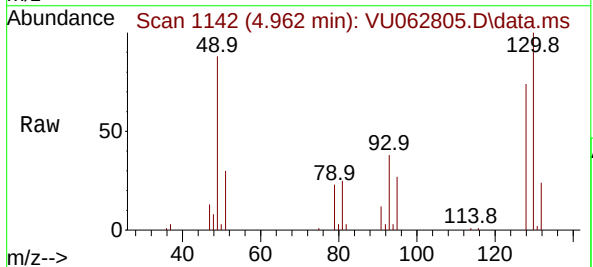
Instrument :  
 MSVOA\_U  
 ClientSampleId :

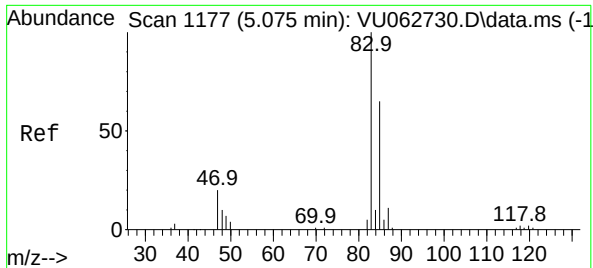
Tgt Ion: 96 Resp: 37622  
 Ion Ratio Lower Upper  
 96 100  
 61 116.7 84.8 157.6  
 98 61.5 43.1 80.1



#23  
 Bromochloromethane  
 Concen: 5.039 ug/L  
 RT: 4.962 min Scan# 1142  
 Delta R.T. 0.003 min  
 Lab File: VU062805.D  
 Acq: 16 Jan 2025 09:06

Tgt Ion: 128 Resp: 17297  
 Ion Ratio Lower Upper  
 128 100  
 49 118.9 81.1 150.7  
 130 135.8 94.9 176.3  
 51 40.6 30.6 46.0





#25

Chloroform

Concen: 5.003 ug/L

RT: 5.074 min Scan# 1177

Delta R.T. 0.003 min

Lab File: VU062805.D

Acq: 16 Jan 2025 09:06

Instrument :

MSVOA\_U

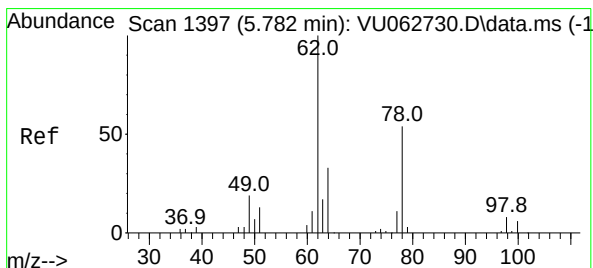
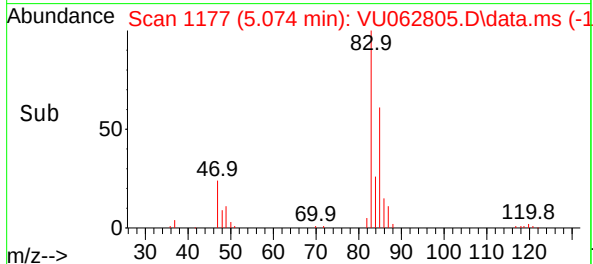
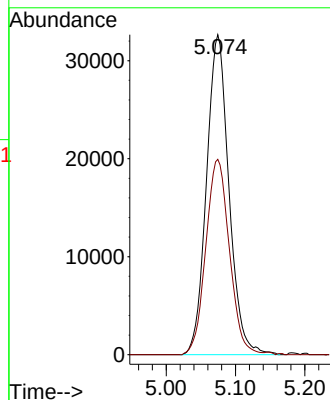
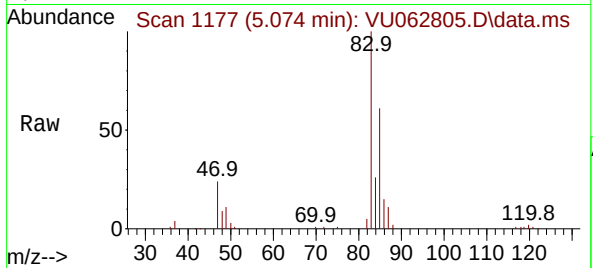
ClientSampleId :

Tgt Ion: 83 Resp: 73498

Ion Ratio Lower Upper

83 100

85 61.1 45.8 85.2



#27

1,2-Dichloroethane

Concen: 4.985 ug/L

RT: 5.782 min Scan# 1397

Delta R.T. 0.003 min

Lab File: VU062805.D

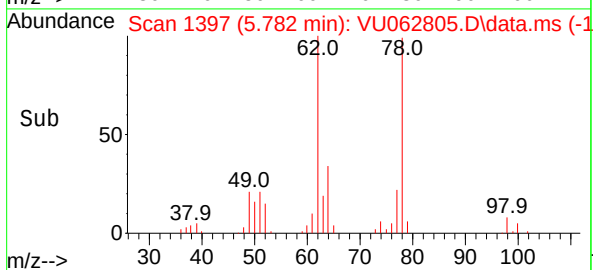
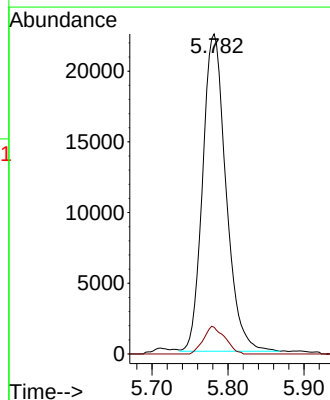
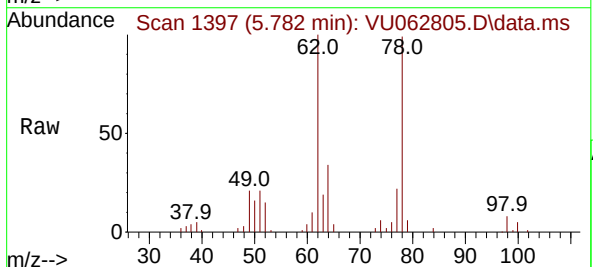
Acq: 16 Jan 2025 09:06

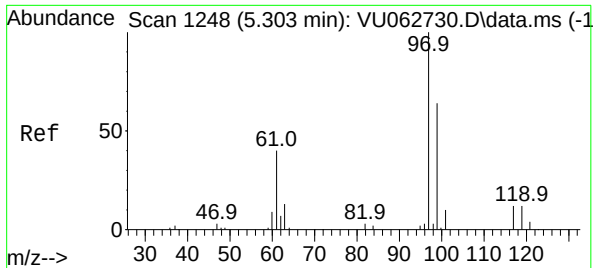
Tgt Ion: 62 Resp: 47890

Ion Ratio Lower Upper

62 100

98 8.4 5.8 8.6

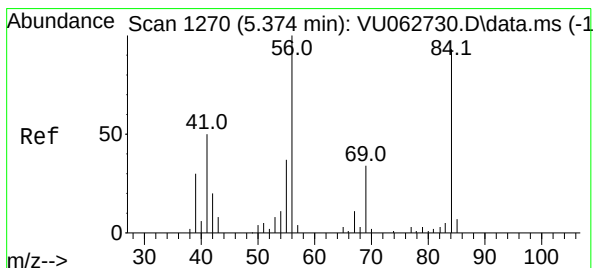
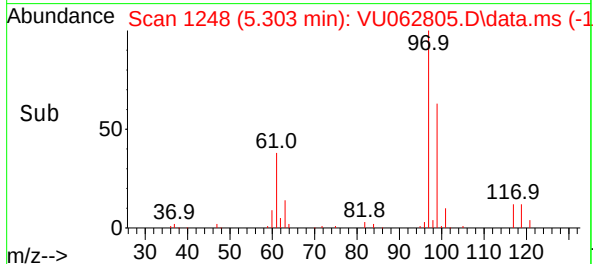
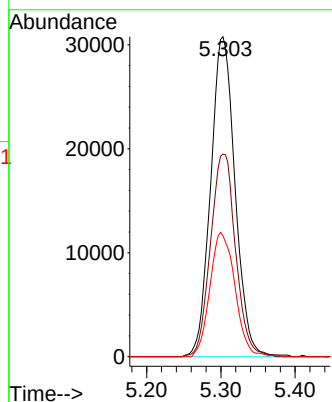
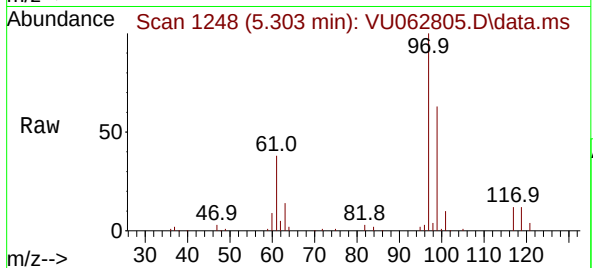




#29  
1,1,1-Trichloroethane  
Concen: 5.039 ug/L  
RT: 5.303 min Scan# 1248  
Delta R.T. 0.003 min  
Lab File: VU062805.D  
Acq: 16 Jan 2025 09:06

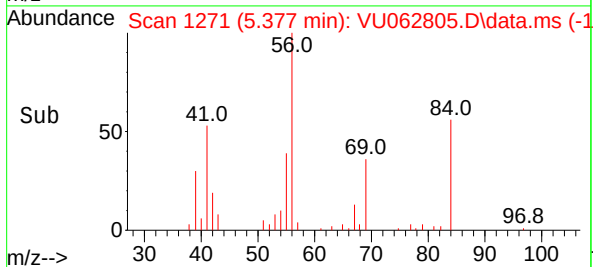
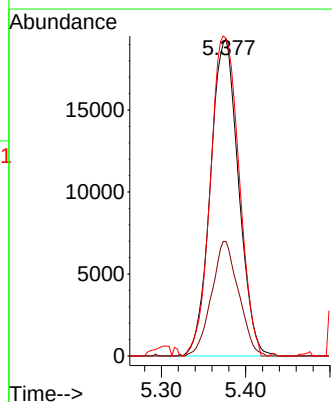
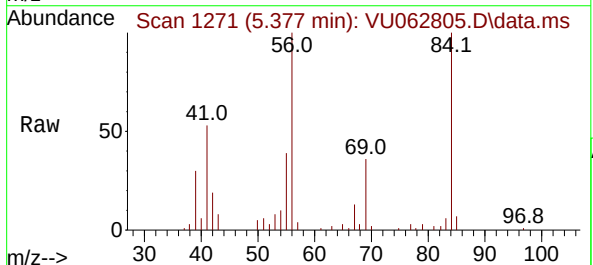
Instrument :  
MSVOA\_U  
ClientSampleId :

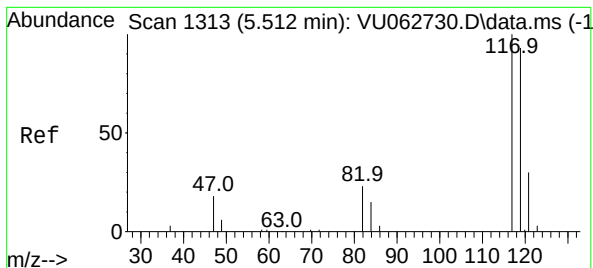
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 70278 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 65.1     | 52.4 78.6   |
| 61 39.8     | 32.2 48.4   |



#30  
Cyclohexane  
Concen: 4.914 ug/L  
RT: 5.377 min Scan# 1271  
Delta R.T. 0.003 min  
Lab File: VU062805.D  
Acq: 16 Jan 2025 09:06

|             |             |
|-------------|-------------|
| Tgt Ion: 56 | Resp: 44755 |
| Ion Ratio   | Lower Upper |
| 56 100      |             |
| 69 34.8     | 28.3 42.5   |
| 84 102.7    | 76.5 114.7  |





#31

Carbon tetrachloride

Concen: 5.200 ug/L

RT: 5.512 min Scan# 1313

Delta R.T. -0.000 min

Lab File: VU062805.D

Acq: 16 Jan 2025 09:06

Instrument :

MSVOA\_U

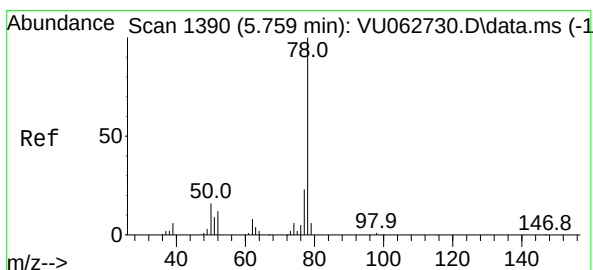
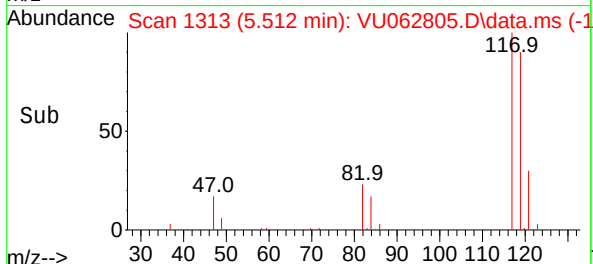
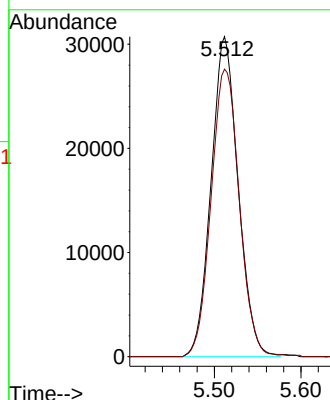
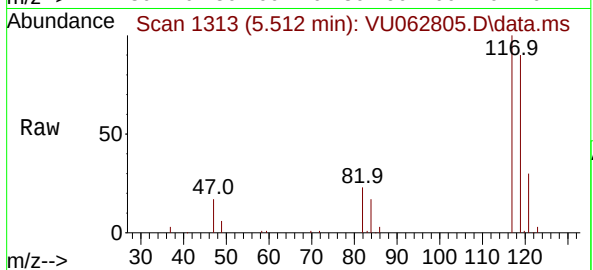
ClientSampleId :

Tgt Ion:117 Resp: 66657

Ion Ratio Lower Upper

117 100

119 93.9 78.6 118.0



#33

Benzene

Concen: 5.069 ug/L

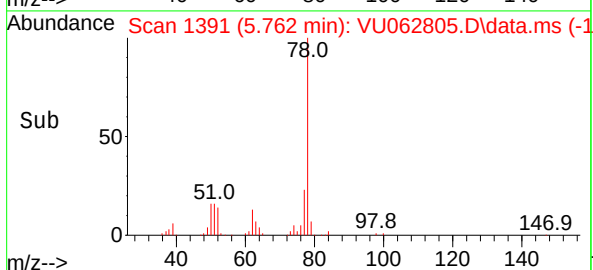
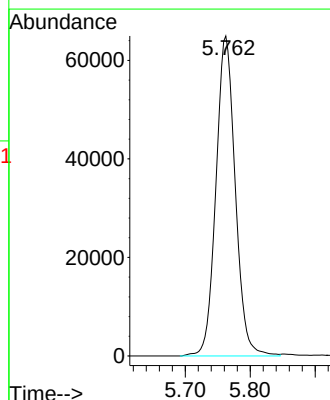
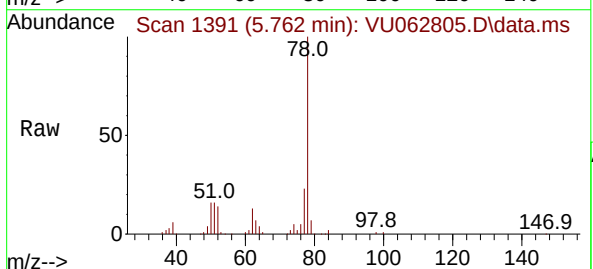
RT: 5.762 min Scan# 1391

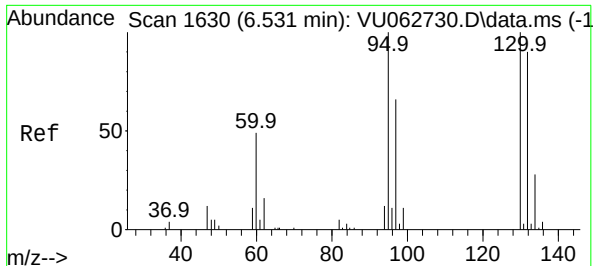
Delta R.T. 0.003 min

Lab File: VU062805.D

Acq: 16 Jan 2025 09:06

Tgt Ion: 78 Resp: 133928





#34

Trichloroethene

Concen: 4.462 ug/L

RT: 6.531 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU062805.D

Acq: 16 Jan 2025 09:06

Instrument :

MSVOA\_U

ClientSampleId :

Tgt Ion: 95 Resp: 40265

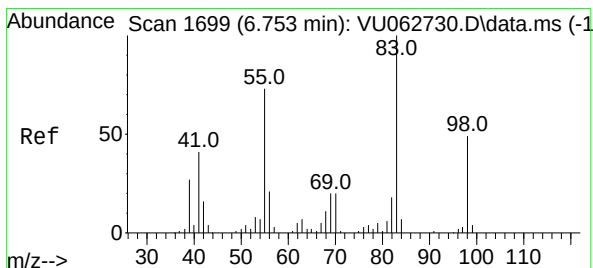
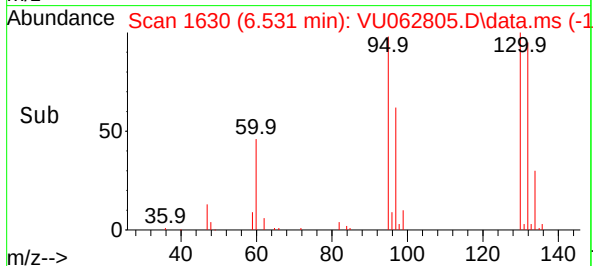
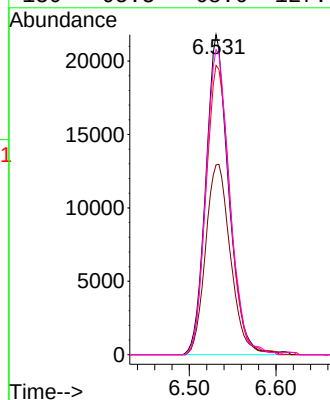
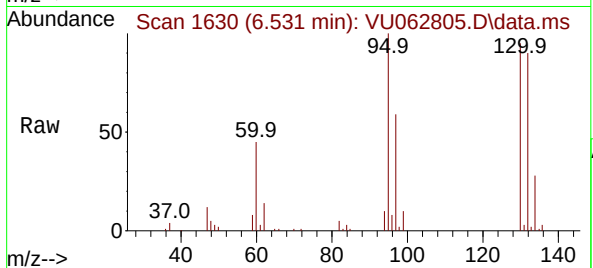
Ion Ratio Lower Upper

95 100

97 59.3 47.5 88.3

132 90.4 66.9 124.3

130 95.3 68.6 127.4



#35

Methylcyclohexane

Concen: 4.974 ug/L

RT: 6.753 min Scan# 1699

Delta R.T. 0.003 min

Lab File: VU062805.D

Acq: 16 Jan 2025 09:06

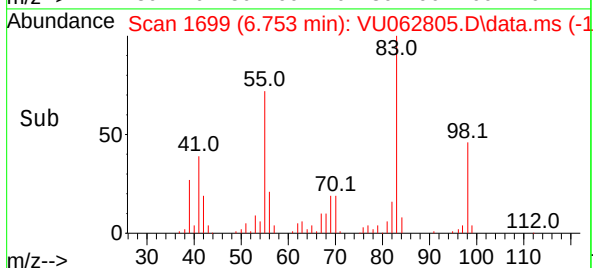
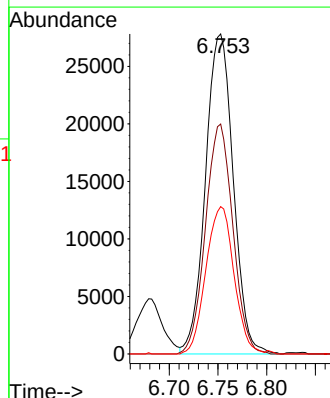
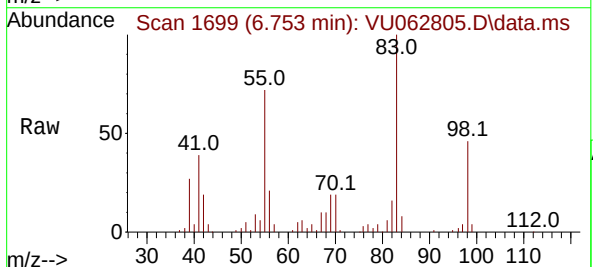
Tgt Ion: 83 Resp: 55234

Ion Ratio Lower Upper

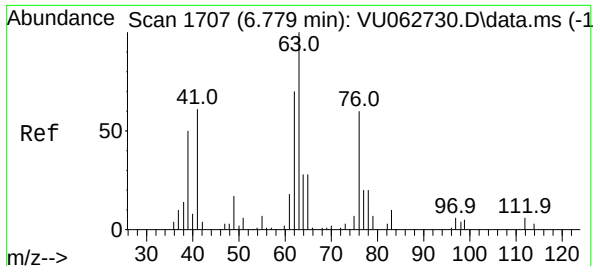
83 100

55 70.8 57.2 85.8

98 46.4 36.6 55.0



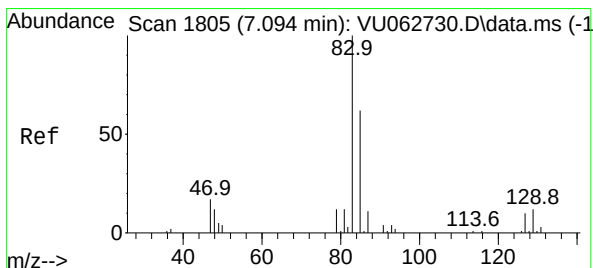
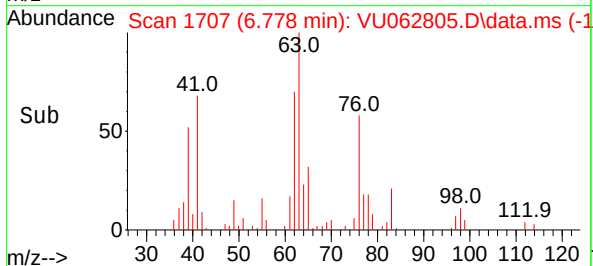
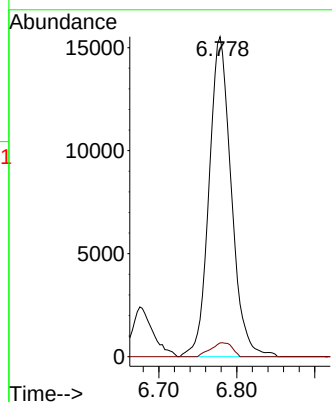
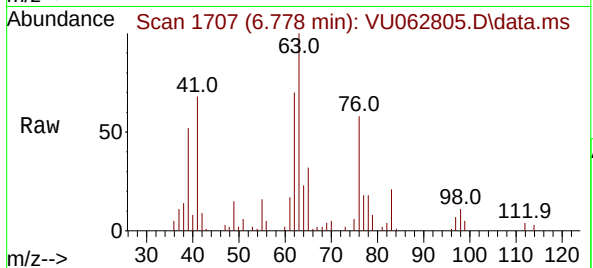




#37  
1,2-Dichloropropane  
Concen: 4.948 ug/L  
RT: 6.778 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VU062805.D  
Acq: 16 Jan 2025 09:06

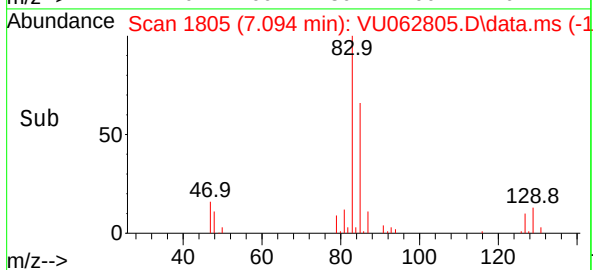
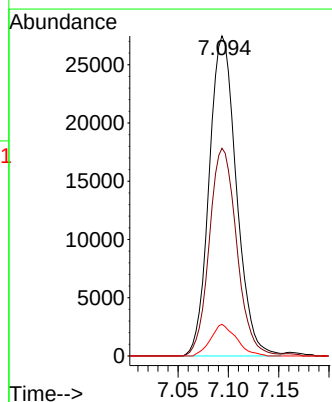
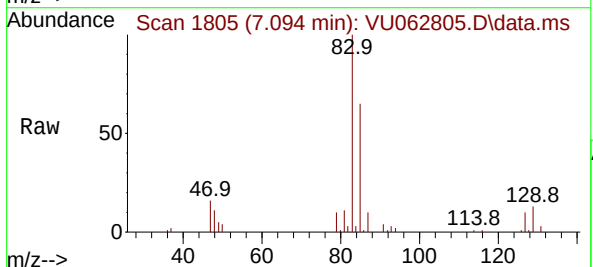
Instrument :  
MSVOA\_U  
ClientSampleId :

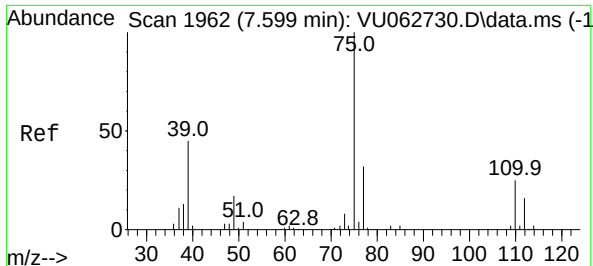
Tgt Ion: 63 Resp: 30839  
Ion Ratio Lower Upper  
63 100  
112 4.2 3.8 5.8



#38  
Bromodichloromethane  
Concen: 5.169 ug/L  
RT: 7.094 min Scan# 1805  
Delta R.T. -0.000 min  
Lab File: VU062805.D  
Acq: 16 Jan 2025 09:06

Tgt Ion: 83 Resp: 51804  
Ion Ratio Lower Upper  
83 100  
85 64.9 44.2 82.0  
127 9.9 7.8 11.8

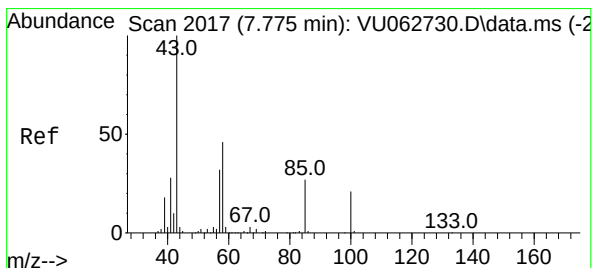
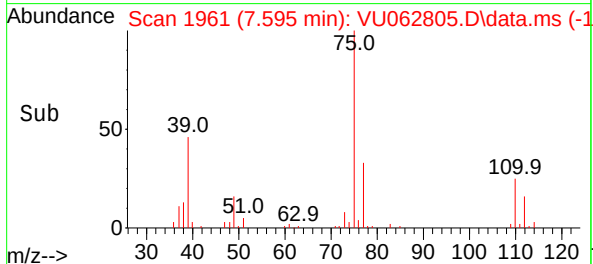
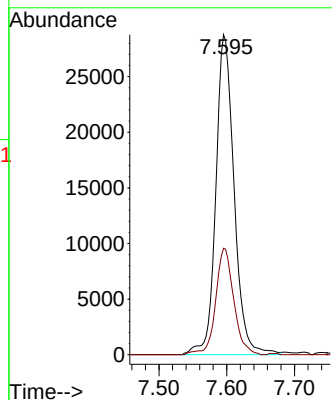
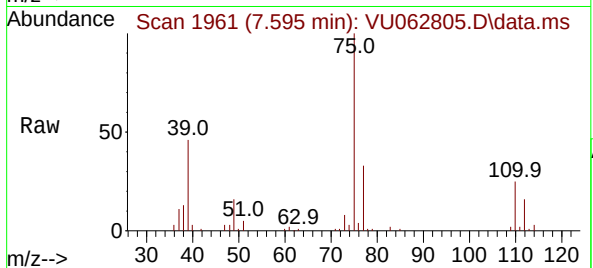




#39  
 cis-1,3-Dichloropropene  
 Concen: 5.088 ug/L  
 RT: 7.595 min Scan# 1962  
 Delta R.T. -0.000 min  
 Lab File: VU062805.D  
 Acq: 16 Jan 2025 09:06

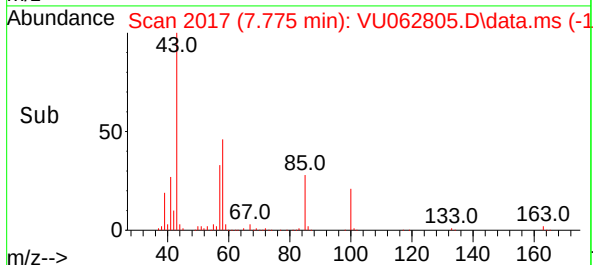
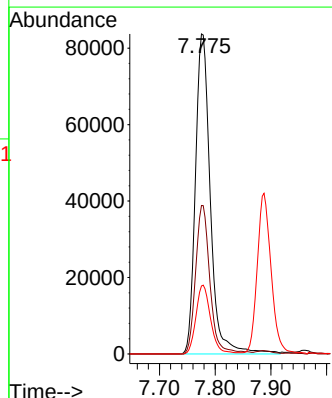
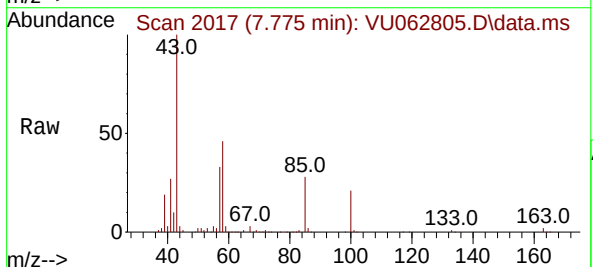
Instrument :  
 MSVOA\_U  
 ClientSampleId :

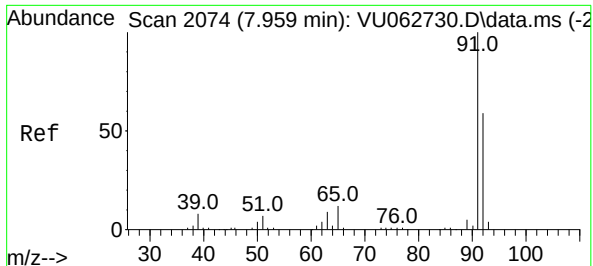
Tgt Ion: 75 Resp: 53990  
 Ion Ratio Lower Upper  
 75 100  
 77 33.2 22.3 41.3



#40  
 4-Methyl-2-pentanone  
 Concen: 53.685 ug/L  
 RT: 7.775 min Scan# 2017  
 Delta R.T. -0.000 min  
 Lab File: VU062805.D  
 Acq: 16 Jan 2025 09:06

Tgt Ion: 43 Resp: 156286  
 Ion Ratio Lower Upper  
 43 100  
 58 44.6 35.8 53.8  
 100 21.0 16.8 25.2





#42

Toluene

Concen: 5.239 ug/L

RT: 7.958 min Scan# 2074

Delta R.T. -0.000 min

Lab File: VU062805.D

Acq: 16 Jan 2025 09:06

Instrument :

MSVOA\_U

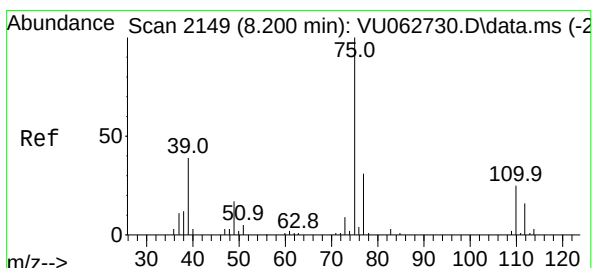
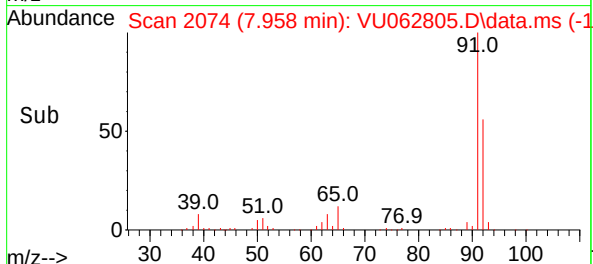
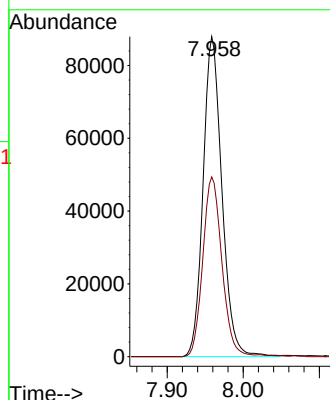
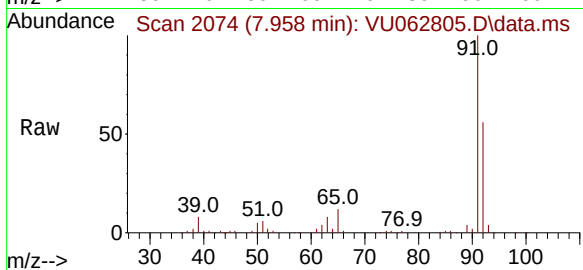
ClientSampleId :

Tgt Ion: 91 Resp: 151657

Ion Ratio Lower Upper

91 100

92 56.2 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 5.392 ug/L

RT: 8.200 min Scan# 2149

Delta R.T. -0.000 min

Lab File: VU062805.D

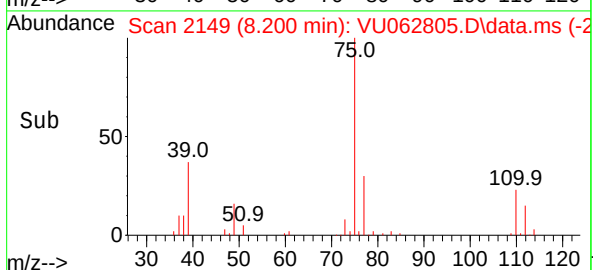
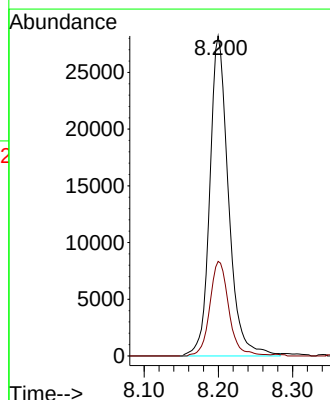
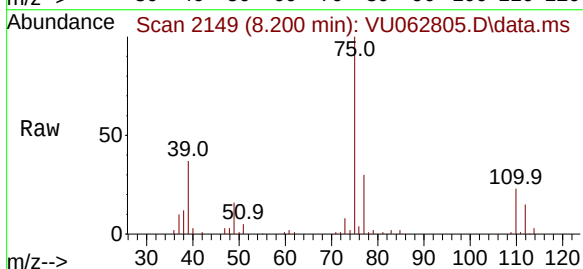
Acq: 16 Jan 2025 09:06

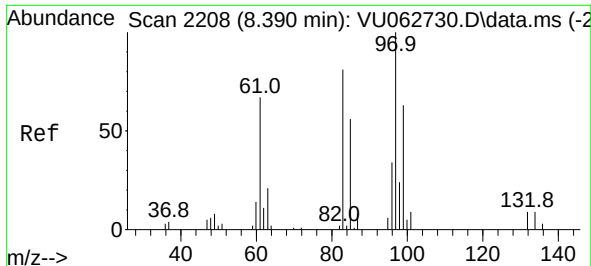
Tgt Ion: 75 Resp: 49325

Ion Ratio Lower Upper

75 100

77 29.6 21.8 40.6





#45

1,1,2-Trichloroethane

Concen: 5.138 ug/L

RT: 8.386 min Scan# 2207

Delta R.T. -0.003 min

Lab File: VU062805.D

Acq: 16 Jan 2025 09:06

Instrument :

MSVOA\_U

ClientSampleId :

Tgt Ion: 97 Resp: 26007

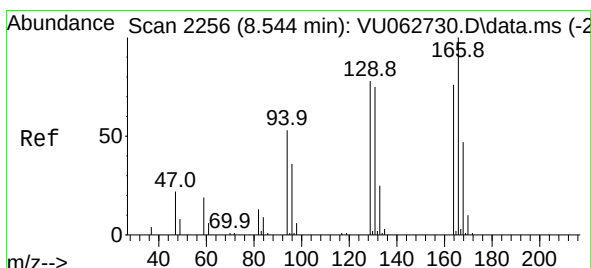
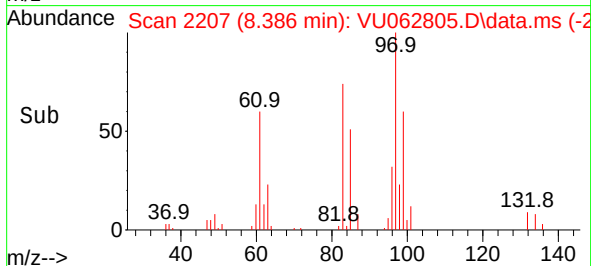
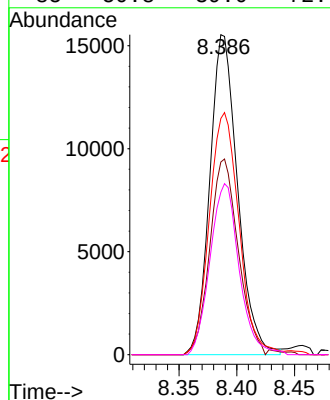
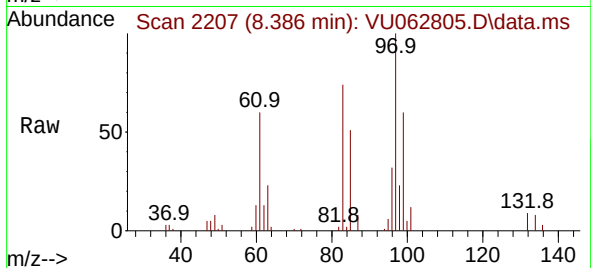
Ion Ratio Lower Upper

97 100

99 60.2 45.6 84.6

83 73.8 63.0 117.0

85 50.8 39.0 72.4



#47

Tetrachloroethene

Concen: 5.198 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. 0.003 min

Lab File: VU062805.D

Acq: 16 Jan 2025 09:06

Tgt Ion:164 Resp: 32311

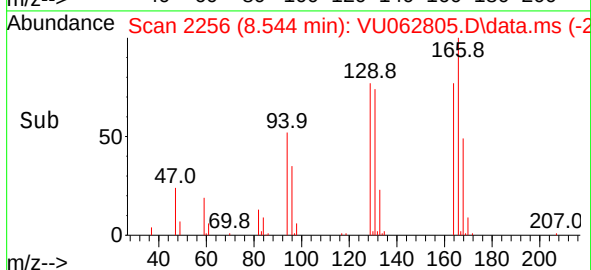
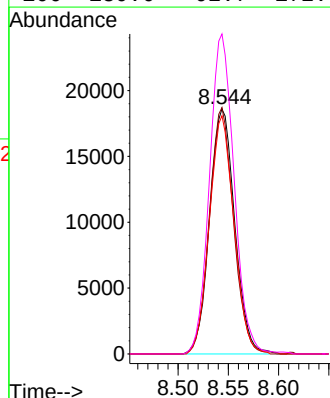
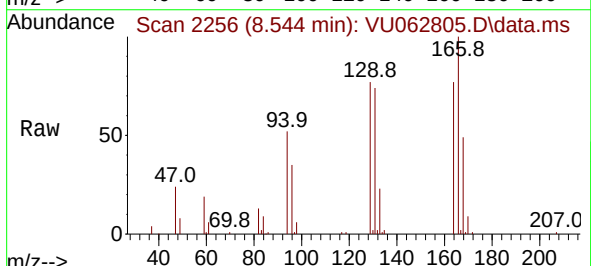
Ion Ratio Lower Upper

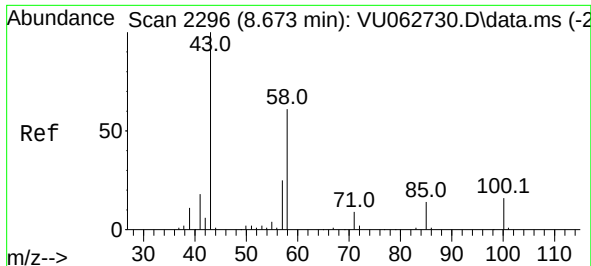
164 100

129 100.6 71.0 131.9

131 97.2 69.4 129.0

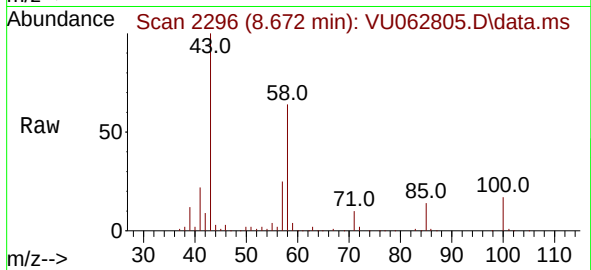
166 130.6 92.7 172.3



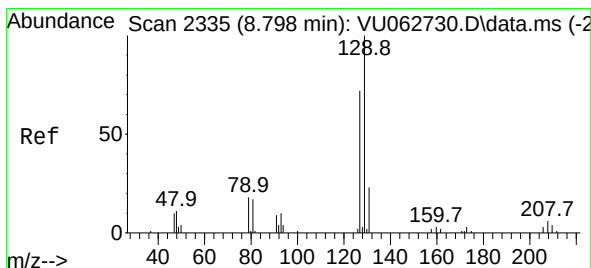
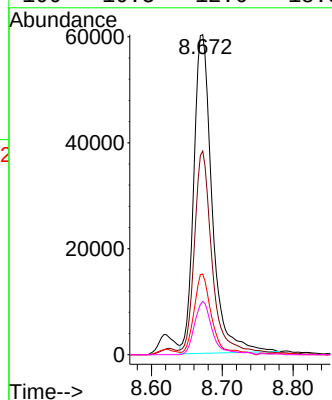
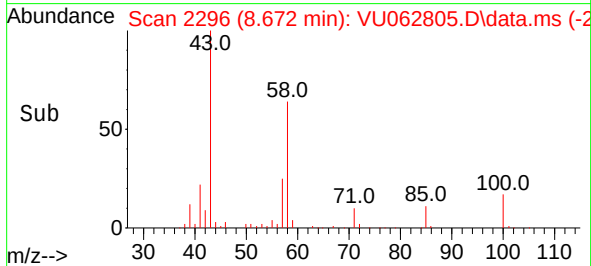


#48  
2-Hexanone  
Concen: 51.859 ug/L  
RT: 8.672 min Scan# 2296  
Delta R.T. 0.003 min  
Lab File: VU062805.D  
Acq: 16 Jan 2025 09:06

Instrument :  
MSVOA\_U  
ClientSampleId :

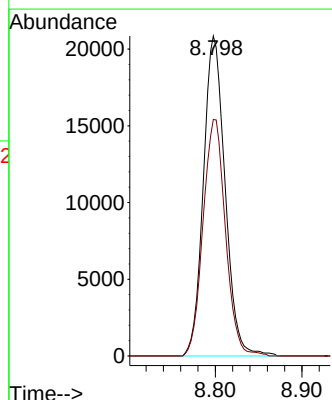
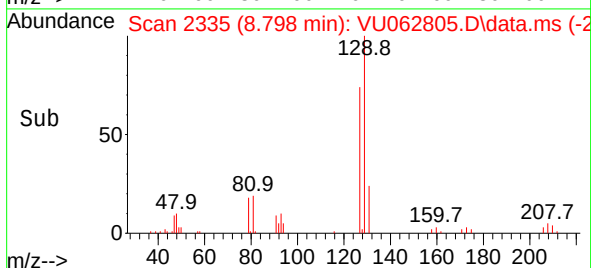
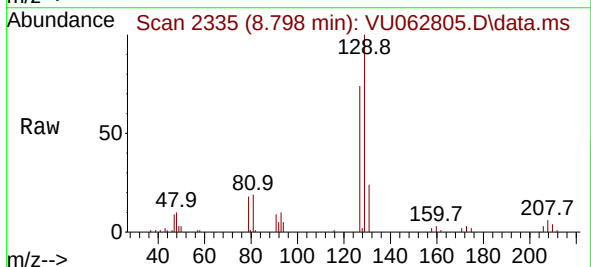


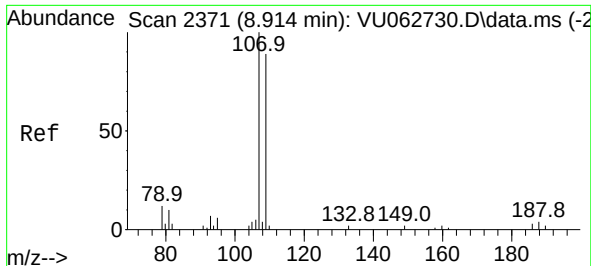
| Tgt Ion:  | 43   | Resp: | 108537 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 58        | 61.1 | 50.2  | 75.4   |
| 57        | 24.6 | 19.9  | 29.9   |
| 100       | 16.3 | 12.6  | 18.8   |



#49  
Dibromochloromethane  
Concen: 5.331 ug/L  
RT: 8.798 min Scan# 2335  
Delta R.T. -0.000 min  
Lab File: VU062805.D  
Acq: 16 Jan 2025 09:06

| Tgt Ion:  | 129  | Resp: | 36228 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 127       | 73.9 | 52.1  | 96.9  |

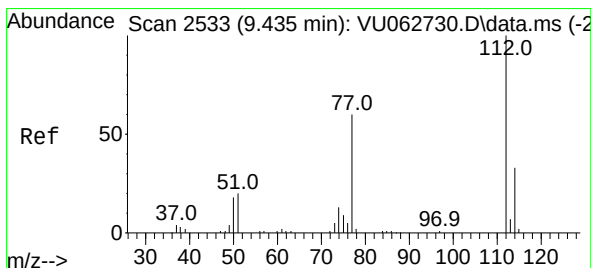
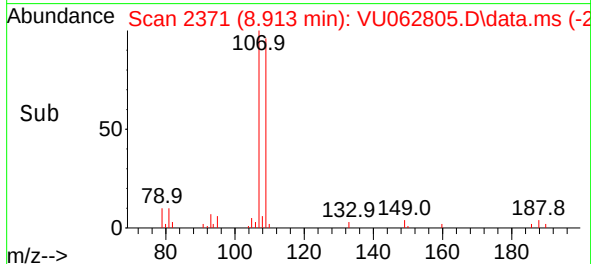
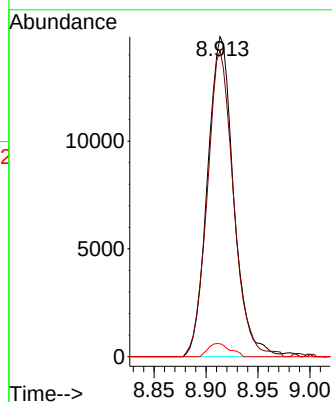
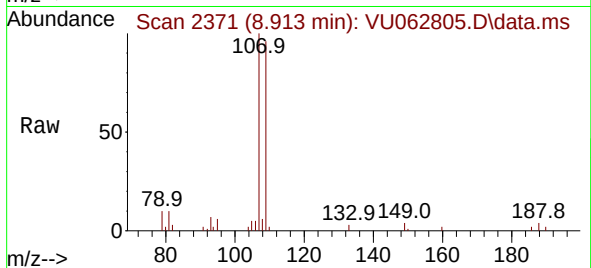




#50  
1,2-Dibromoethane  
Concen: 5.368 ug/L  
RT: 8.913 min Scan# 24  
Delta R.T. 0.003 min  
Lab File: VU062805.D  
Acq: 16 Jan 2025 09:06

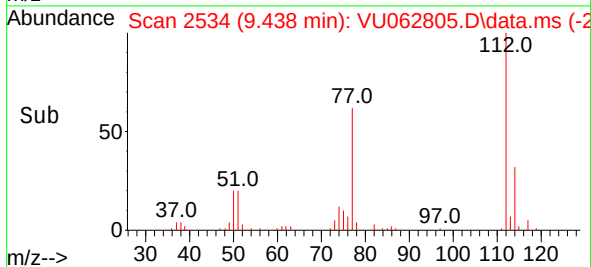
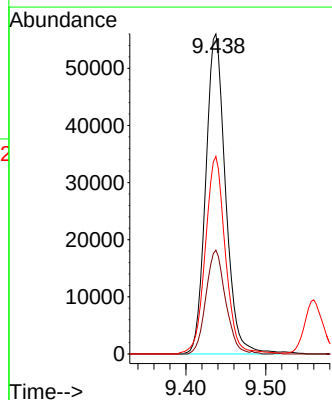
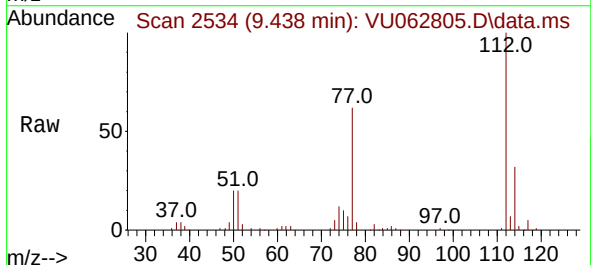
Instrument :  
MSVOA\_U  
ClientSampleId :

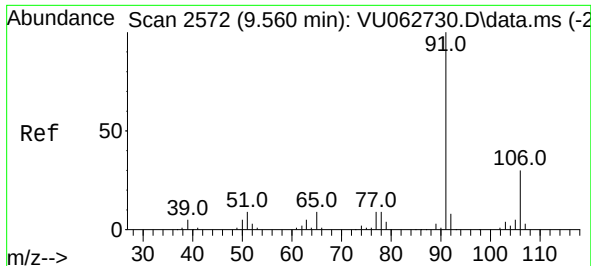
Tgt Ion:107 Resp: 25994  
Ion Ratio Lower Upper  
107 100  
109 95.7 65.7 121.9  
188 4.1 3.4 5.2



#51  
Chlorobenzene  
Concen: 5.106 ug/L  
RT: 9.438 min Scan# 2534  
Delta R.T. -0.000 min  
Lab File: VU062805.D  
Acq: 16 Jan 2025 09:06

Tgt Ion:112 Resp: 96653  
Ion Ratio Lower Upper  
112 100  
114 32.4 21.7 40.3  
77 61.7 48.6 73.0

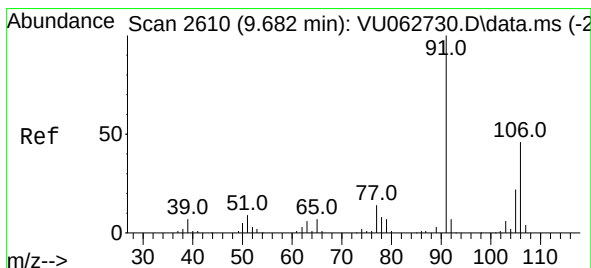
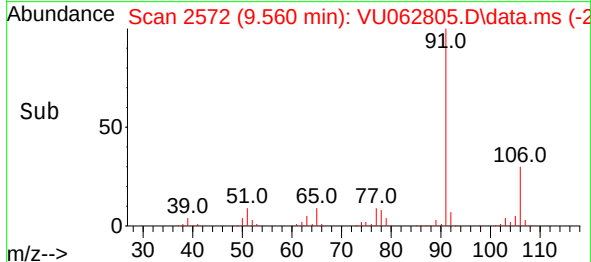
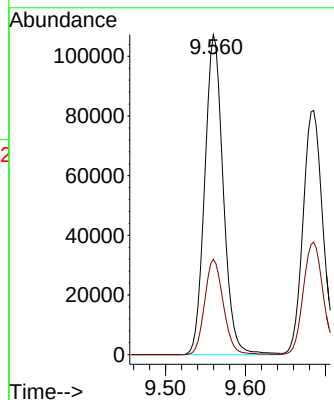
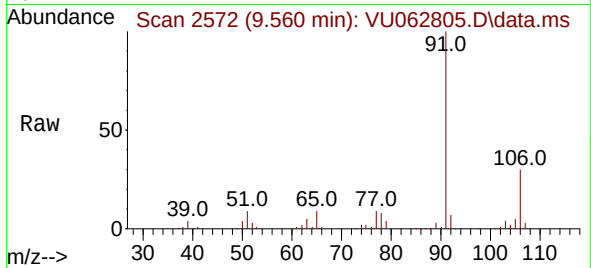




#52  
Ethylbenzene  
Concen: 5.259 ug/L  
RT: 9.560 min Scan# 2572  
Delta R.T. -0.000 min  
Lab File: VU062805.D  
Acq: 16 Jan 2025 09:06

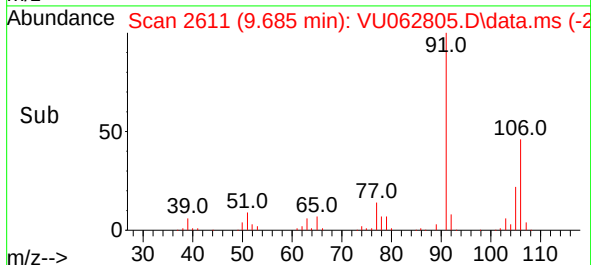
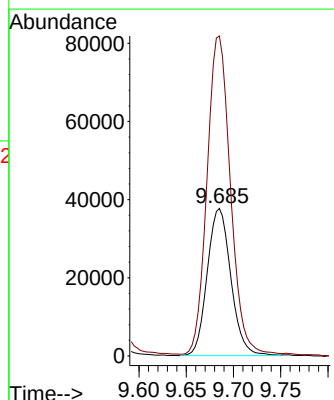
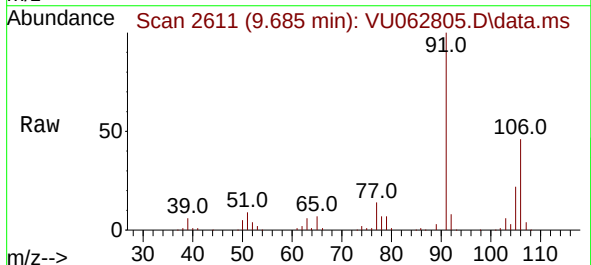
Instrument :  
MSVOA\_U  
ClientSampleId :

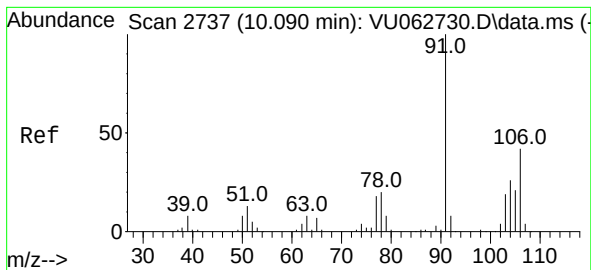
Tgt Ion: 91 Resp: 172773  
Ion Ratio Lower Upper  
91 100  
106 29.8 21.9 40.7



#53  
m,p-Xylene  
Concen: 5.320 ug/L  
RT: 9.685 min Scan# 2611  
Delta R.T. 0.003 min  
Lab File: VU062805.D  
Acq: 16 Jan 2025 09:06

Tgt Ion:106 Resp: 65359  
Ion Ratio Lower Upper  
106 100  
91 216.9 153.1 284.3





#54

o-Xylene

Concen: 5.359 ug/L

RT: 10.090 min Scan# 2737

Delta R.T. -0.000 min

Lab File: VU062805.D

Acq: 16 Jan 2025 09:06

Instrument :

MSVOA\_U

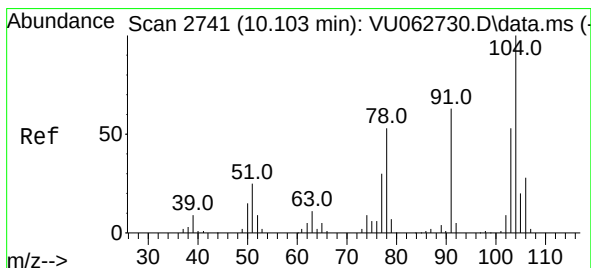
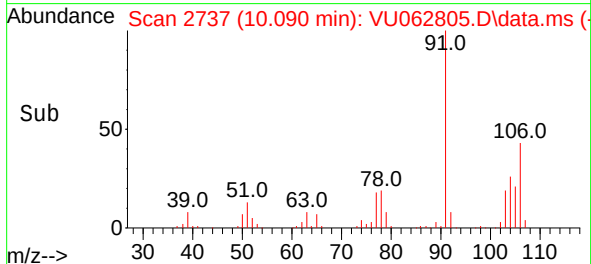
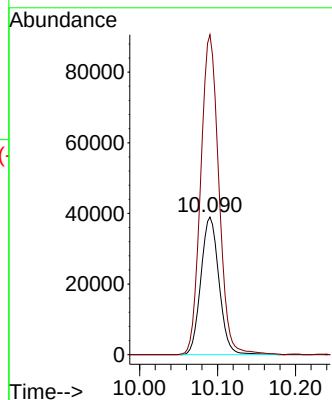
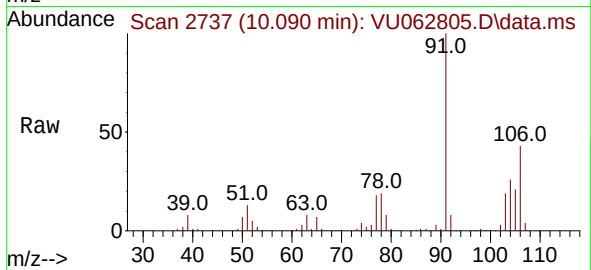
ClientSampleId :

Tgt Ion:106 Resp: 63060

Ion Ratio Lower Upper

106 100

91 232.5 160.4 297.8



#55

Styrene

Concen: 5.469 ug/L

RT: 10.103 min Scan# 2741

Delta R.T. -0.000 min

Lab File: VU062805.D

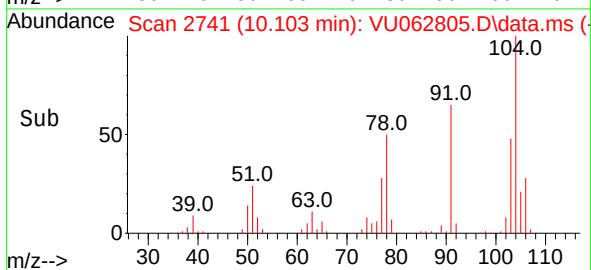
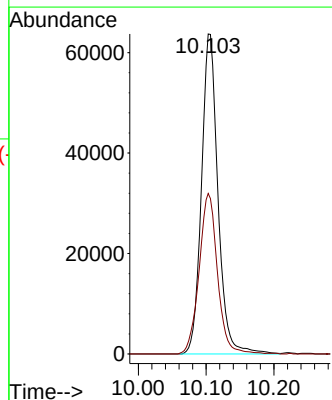
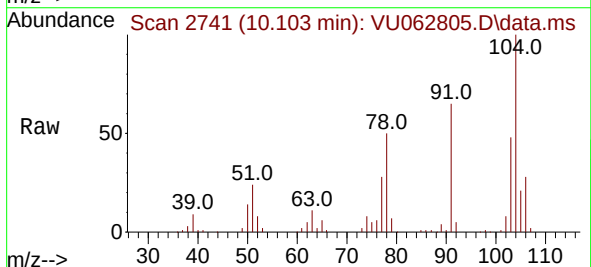
Acq: 16 Jan 2025 09:06

Tgt Ion:104 Resp: 107658

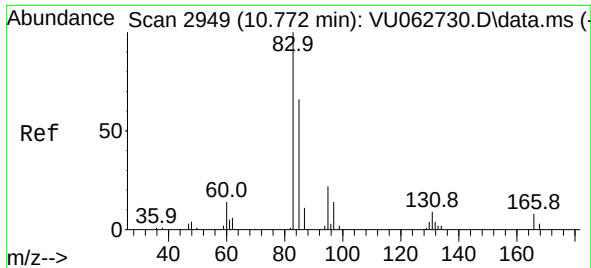
Ion Ratio Lower Upper

104 100

78 50.2 35.5 65.9







#57

1,1,2,2-Tetrachloroethane

Concen: 5.450 ug/L

RT: 10.772 min Scan# 2949

Delta R.T. 0.003 min

Lab File: VU062805.D

Acq: 16 Jan 2025 09:06

Instrument :

MSVOA\_U

ClientSampleId :

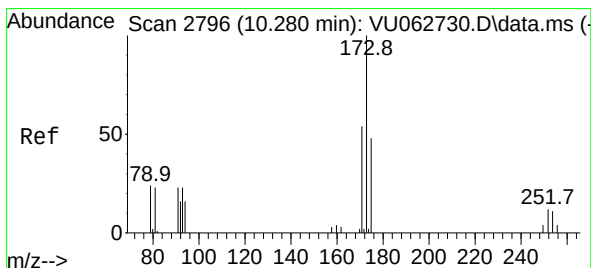
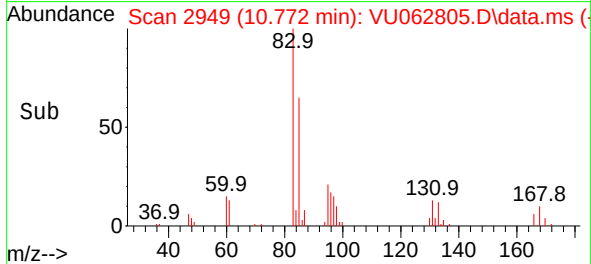
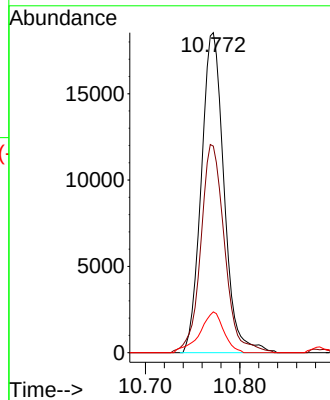
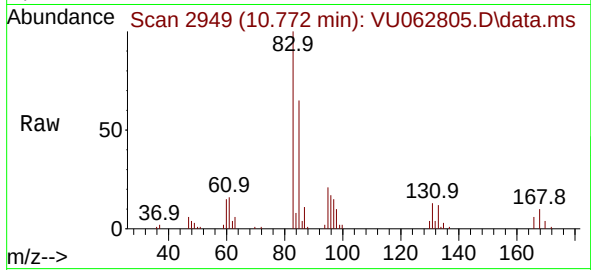
Tgt Ion: 83 Resp: 30942

Ion Ratio Lower Upper

83 100

85 64.5 43.0 79.8

131 12.7 7.4 11.0#



#59

Bromoform

Concen: 5.289 ug/L

RT: 10.280 min Scan# 2796

Delta R.T. -0.000 min

Lab File: VU062805.D

Acq: 16 Jan 2025 09:06

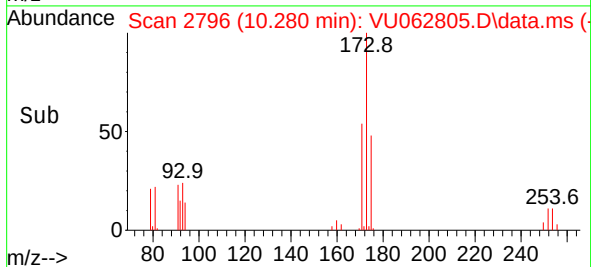
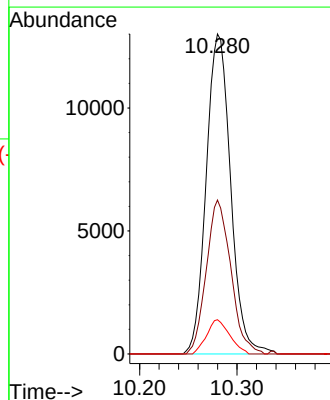
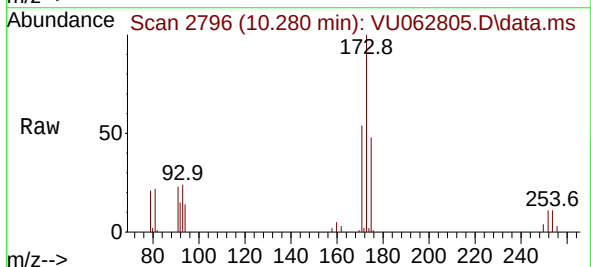
Tgt Ion:173 Resp: 22637

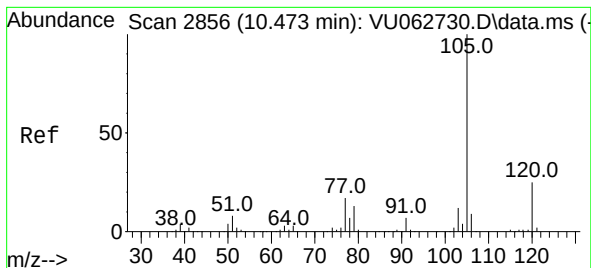
Ion Ratio Lower Upper

173 100

175 48.3 39.8 59.8

254 10.1 8.6 12.8





#60

Isopropylbenzene

Concen: 5.285 ug/L

RT: 10.473 min Scan# 2856

Delta R.T. -0.000 min

Lab File: VU062805.D

Acq: 16 Jan 2025 09:06

Instrument :

MSVOA\_U

ClientSampleId :

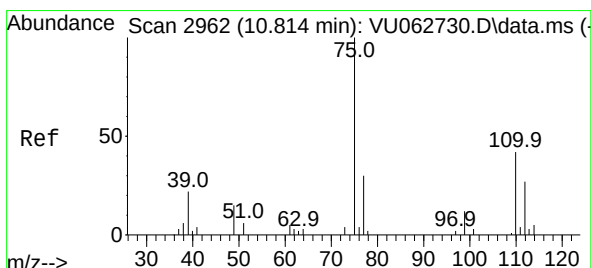
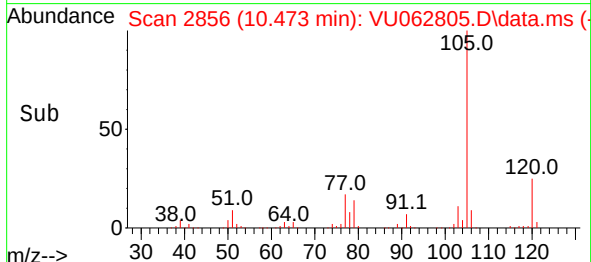
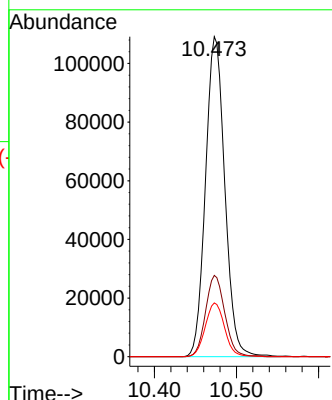
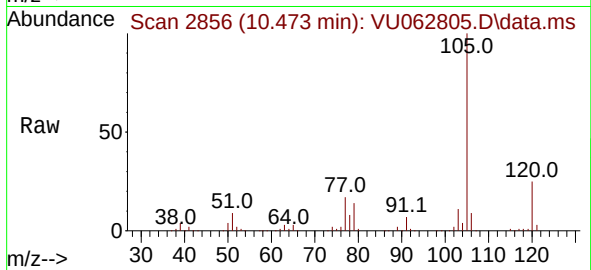
Tgt Ion:105 Resp: 178706

Ion Ratio Lower Upper

105 100

120 25.4 20.2 30.2

77 16.8 13.0 19.4



#61

1,2,3-Trichloropropane

Concen: 5.406 ug/L

RT: 10.814 min Scan# 2962

Delta R.T. 0.003 min

Lab File: VU062805.D

Acq: 16 Jan 2025 09:06

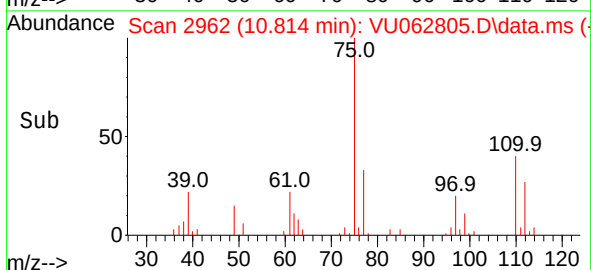
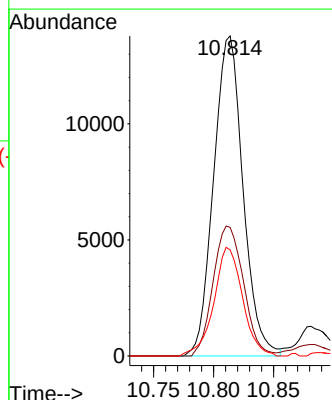
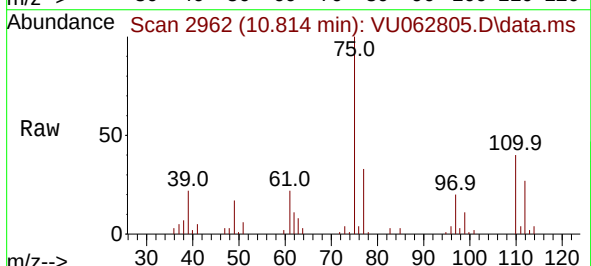
Tgt Ion: 75 Resp: 23526

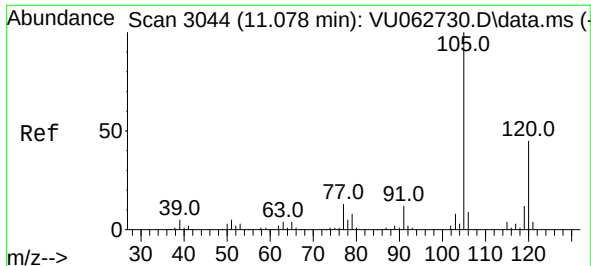
Ion Ratio Lower Upper

75 100

110 41.9 33.2 49.8

77 33.0 25.9 38.9





#62

1,3,5-Trimethylbenzene

Concen: 5.489 ug/L

RT: 11.077 min Scan# 3044

Delta R.T. -0.000 min

Lab File: VU062805.D

Acq: 16 Jan 2025 09:06

Instrument :

MSVOA\_U

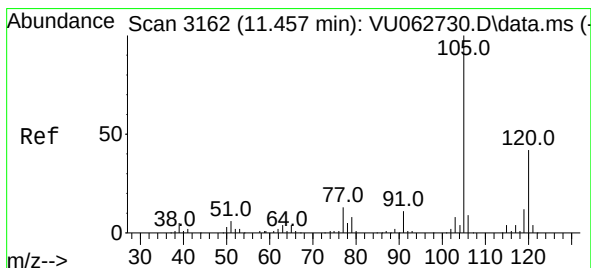
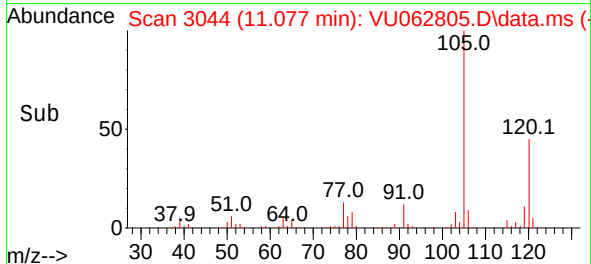
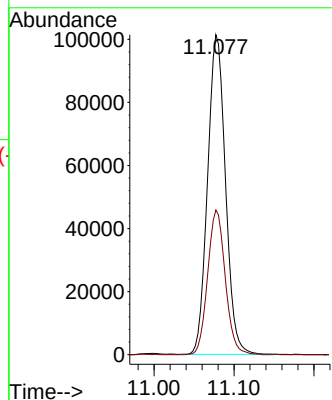
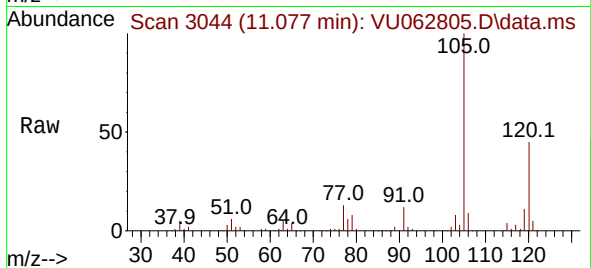
ClientSampleId :

Tgt Ion:105 Resp: 157759

Ion Ratio Lower Upper

105 100

120 44.6 35.9 53.9



#63

1,2,4-Trimethylbenzene

Concen: 5.390 ug/L

RT: 11.457 min Scan# 3162

Delta R.T. -0.000 min

Lab File: VU062805.D

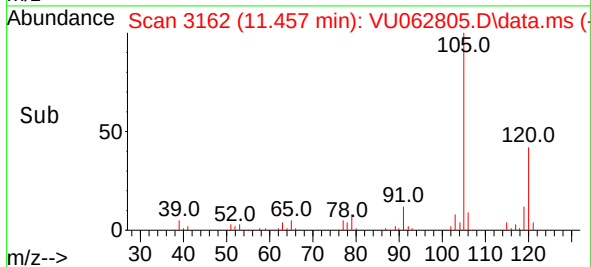
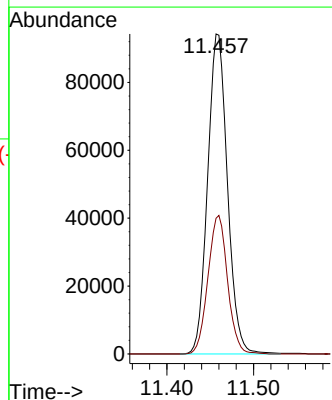
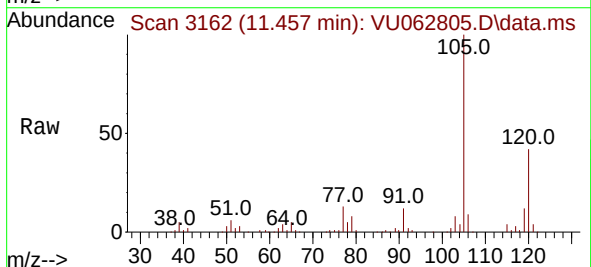
Acq: 16 Jan 2025 09:06

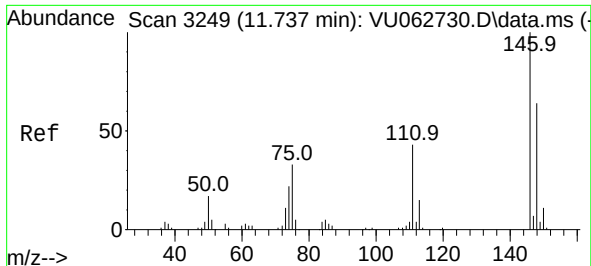
Tgt Ion:105 Resp: 149844

Ion Ratio Lower Upper

105 100

120 42.8 34.2 51.2





#64

1,3-Dichlorobenzene

Concen: 5.208 ug/L

RT: 11.736 min Scan# 3249

Delta R.T. 0.003 min

Lab File: VU062805.D

Acq: 16 Jan 2025 09:06

Instrument :

MSVOA\_U

ClientSampleId :

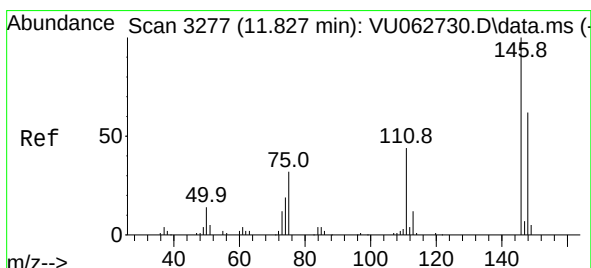
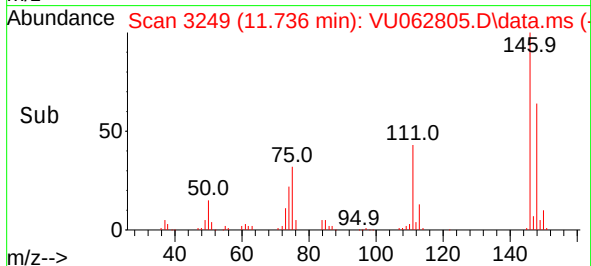
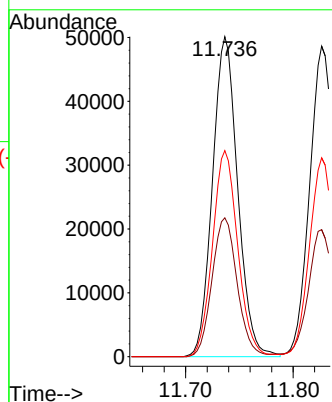
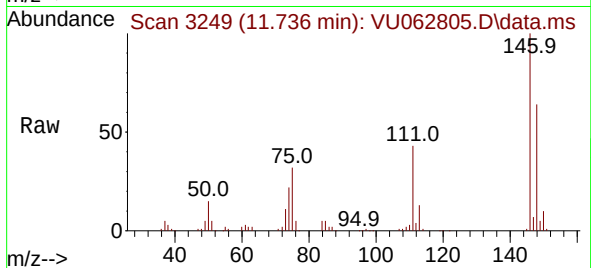
Tgt Ion:146 Resp: 81632

Ion Ratio Lower Upper

146 100

111 43.4 28.6 53.0

148 64.4 44.0 81.6



#65

1,4-Dichlorobenzene

Concen: 5.090 ug/L

RT: 11.826 min Scan# 3277

Delta R.T. -0.000 min

Lab File: VU062805.D

Acq: 16 Jan 2025 09:06

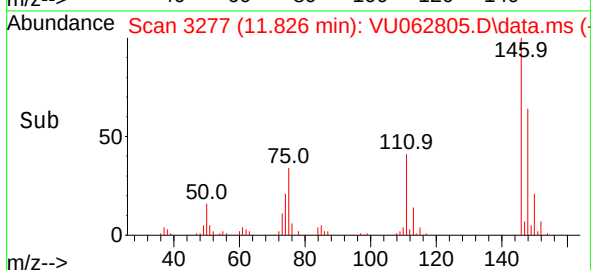
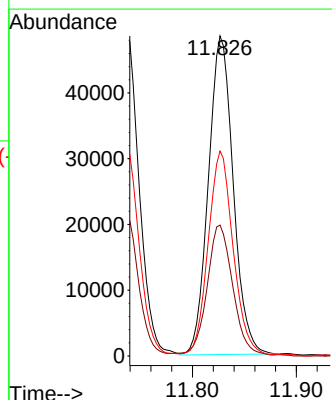
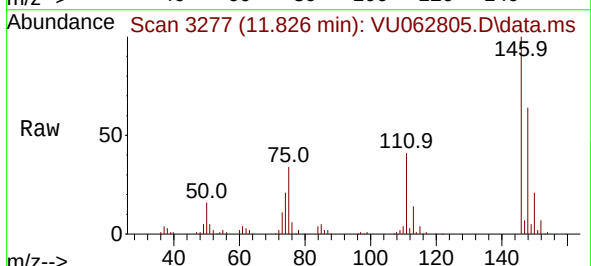
Tgt Ion:146 Resp: 80462

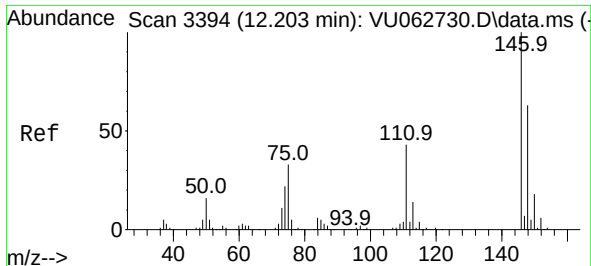
Ion Ratio Lower Upper

146 100

111 40.9 29.5 54.9

148 64.0 45.1 83.9





#67

1,2-Dichlorobenzene

Concen: 5.253 ug/L

RT: 12.203 min Scan# 3394

Delta R.T. 0.003 min

Lab File: VU062805.D

Acq: 16 Jan 2025 09:06

Instrument :

MSVOA\_U

ClientSampleId :

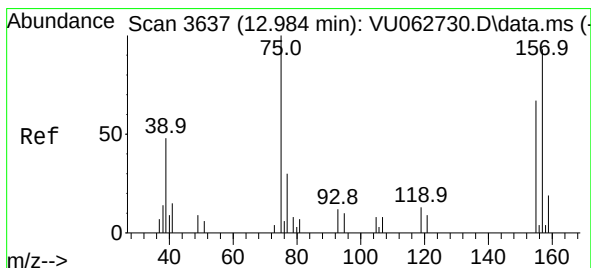
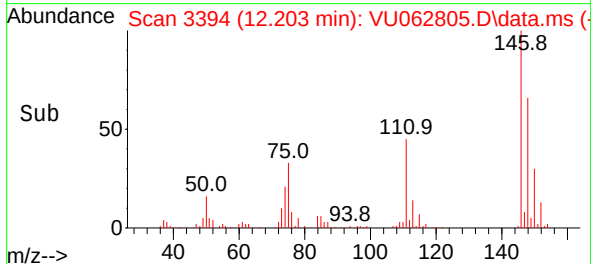
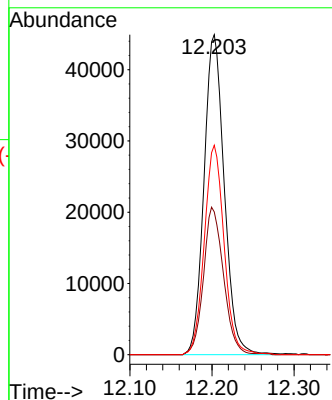
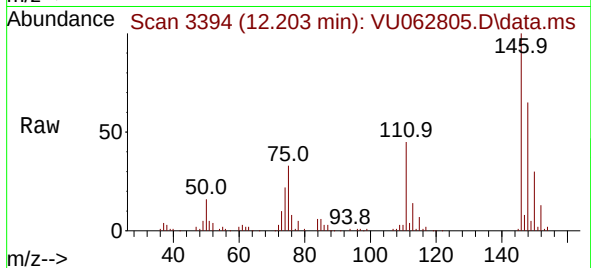
Tgt Ion:146 Resp: 77169

Ion Ratio Lower Upper

146 100

111 44.6 36.3 54.5

148 65.5 52.0 78.0



#68

1,2-Dibromo-3-chloropropane

Concen: 5.232 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. -0.000 min

Lab File: VU062805.D

Acq: 16 Jan 2025 09:06

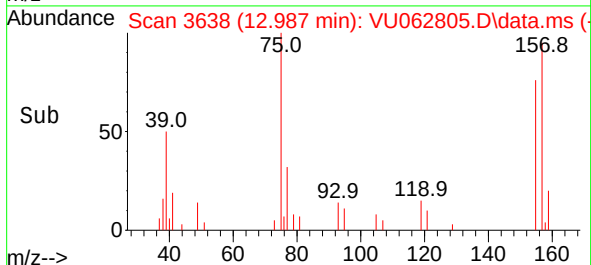
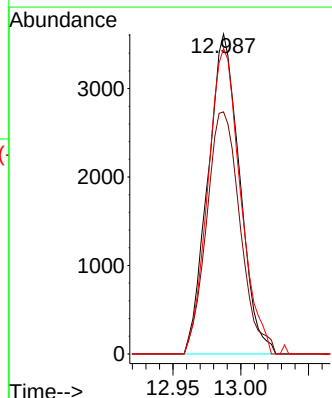
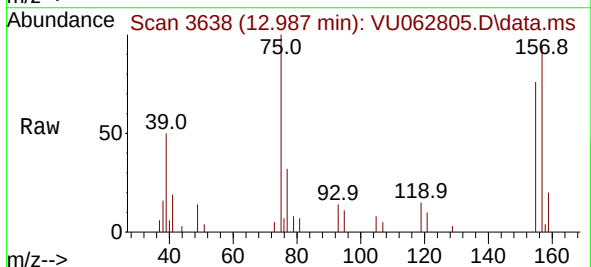
Tgt Ion: 75 Resp: 5898

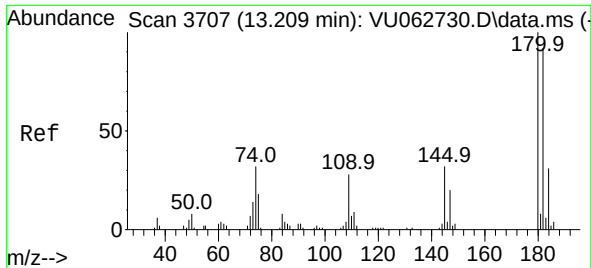
Ion Ratio Lower Upper

75 100

155 75.7 59.6 89.4

157 95.5 70.8 106.2





#69

1,3,5-Trichlorobenzene

Concen: 5.134 ug/L

RT: 13.209 min Scan# 31

Delta R.T. -0.000 min

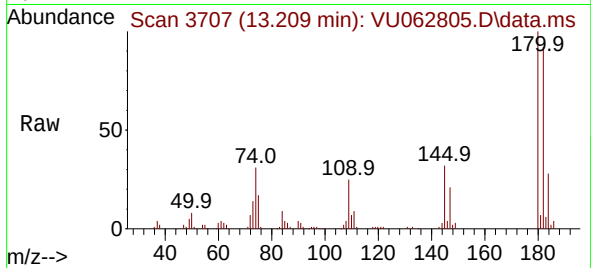
Lab File: VU062805.D

Acq: 16 Jan 2025 09:06

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion:180 Resp: 60608

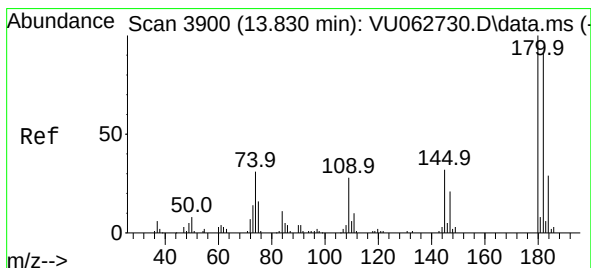
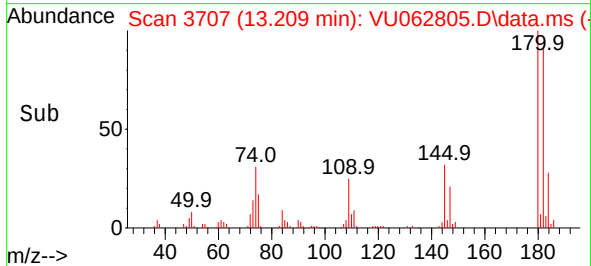
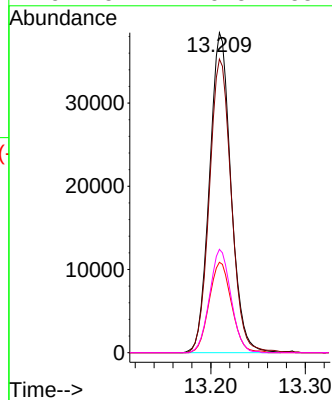
Ion Ratio Lower Upper

180 100

182 93.9 75.8 113.8

184 29.5 24.7 37.1

145 32.2 25.8 38.6



#70

1,2,4-trichlorobenzene

Concen: 4.603 ug/L

RT: 13.830 min Scan# 3900

Delta R.T. -0.000 min

Lab File: VU062805.D

Acq: 16 Jan 2025 09:06

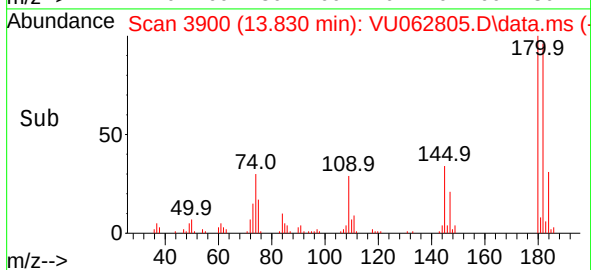
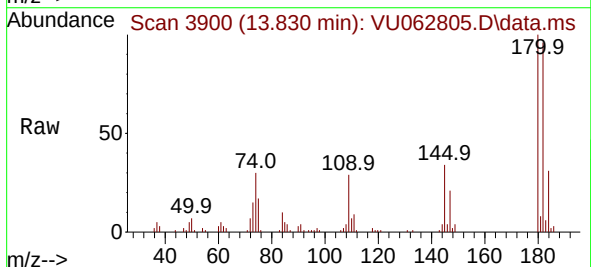
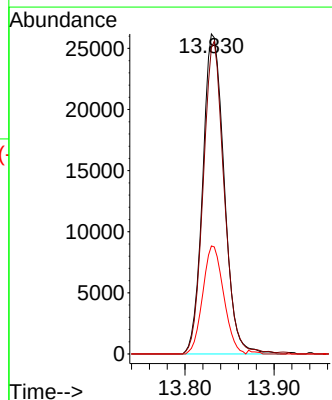
Tgt Ion:180 Resp: 43764

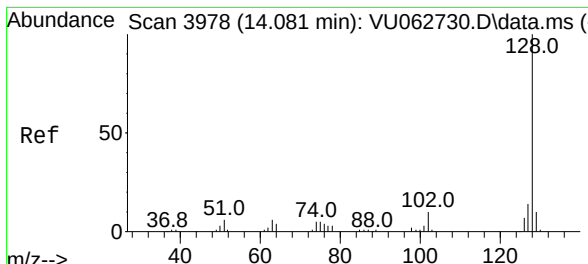
Ion Ratio Lower Upper

180 100

182 95.3 77.1 115.7

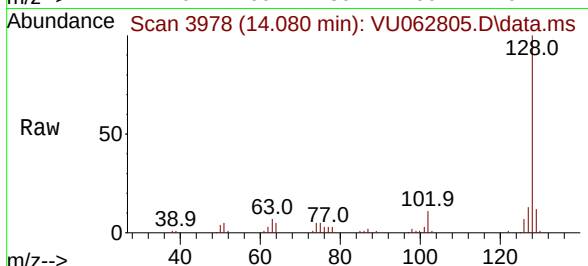
145 32.9 26.9 40.3



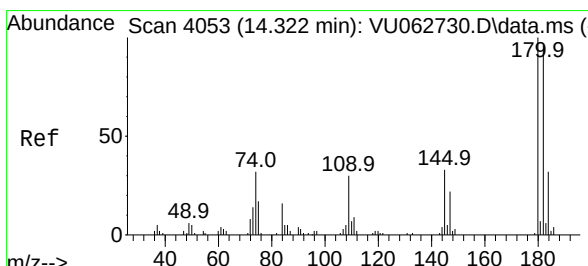
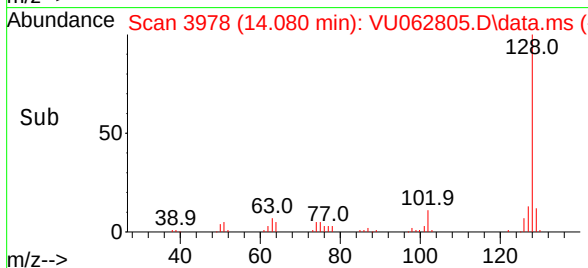
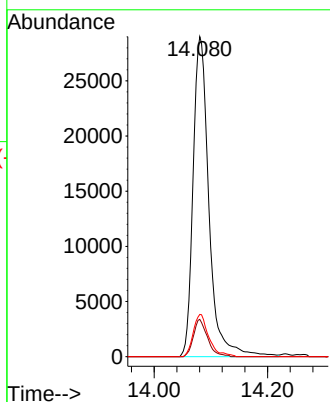


#71  
Naphthalene  
Concen: 4.051 ug/L  
RT: 14.080 min Scan# 3978  
Delta R.T. -0.000 min  
Lab File: VU062805.D  
Acq: 16 Jan 2025 09:06

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion:128 Resp: 56365  
Ion Ratio Lower Upper  
128 100  
129 10.3 8.5 12.7  
127 13.0 10.2 15.2



#72  
1,2,3-Trichlorobenzene  
Concen: 4.362 ug/L  
RT: 14.318 min Scan# 4052  
Delta R.T. -0.000 min  
Lab File: VU062805.D  
Acq: 16 Jan 2025 09:06

Tgt Ion:180 Resp: 36151  
Ion Ratio Lower Upper  
180 100  
182 95.6 79.8 119.6  
145 33.9 29.2 43.8

