

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU092424\  
 Data File : VU060988.D  
 Acq On : 24 Sep 2024 10:40  
 Operator : MD/SY  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Sep 25 04:44:24 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR091624WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Sep 24 06:06:45 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.241  | 114   | 126546   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 126654   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152   | 61986    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.595  | 65    | 44068    | 3.872    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 77.400%  |
| 7) Chloroethane-d5            | 1.910  | 69    | 34457    | 4.252    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 85.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 15801    | 3.917    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 78.400%  |
| 20) 2-Butanone-d5             | 4.637  | 46    | 88495    | 48.431   | ug/L   | 0.02     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 96.860%  |
| 24) Chloroform-d              | 5.055  | 84    | 77704    | 4.466    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 89.400%  |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 38241    | 4.598    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 92.000%  |
| 32) Benzene-d6                | 5.721  | 84    | 146654   | 4.320    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 86.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 48271    | 4.596    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 92.000%  |
| 41) Toluene-d8                | 7.891  | 98    | 130859   | 4.228    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 84.600%  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 15681    | 4.148    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 83.000%  |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 69985    | 46.927   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 93.860%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746 | 84    | 38411    | 4.668    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 93.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 44449    | 4.268    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 85.400%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.383  | 85    | 49877    | 5.222    | ug/L   | 99       |
| 3) Chloromethane              | 1.518  | 50    | 56640    | 5.613    | ug/L   | 99       |
| 5) Vinyl chloride             | 1.602  | 62    | 61984    | 5.676    | ug/L   | 99       |
| 6) Bromomethane               | 1.856  | 94    | 33532    | 4.805    | ug/L   | 95       |
| 8) Chloroethane               | 1.930  | 64    | 38108    | 5.711    | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 2.136  | 101   | 90180    | 6.012    | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.576  | 101   | 47059    | 5.399    | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.576  | 96    | 41441    | 5.206    | ug/L   | 87       |
| 13) Acetone                   | 2.660  | 43    | 69089    | 56.675   | ug/L   | 93       |
| 14) Carbon disulfide          | 2.788  | 76    | 109800   | 4.972    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.962  | 43    | 16998    | 5.719    | ug/L   | 99       |
| 16) Methylene chloride        | 3.039  | 84    | 54282    | 5.889    | ug/L   | 96       |
| 17) Methyl tert-butyl Ether   | 3.357  | 73    | 102634   | 5.705    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.348  | 96    | 42904    | 5.202    | ug/L   | 95       |
| 19) 1,1-Dichloroethane        | 3.859  | 63    | 95457    | 5.764    | ug/L   | 97       |
| 21) 2-Butanone                | 4.717  | 43    | 113749   | 57.322   | ug/L   | 96       |
| 22) cis-1,2-Dichloroethene    | 4.660  | 96    | 51115    | 5.599    | ug/L   | 97       |
| 23) Bromochloromethane        | 4.968  | 128   | 24257    | 5.626    | ug/L   | 96       |
| 25) Chloroform                | 5.081  | 83    | 100527   | 5.822    | ug/L   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU092424\  
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 Acq On : 24 Sep 2024 10:40  
 Operator : MD/SY  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

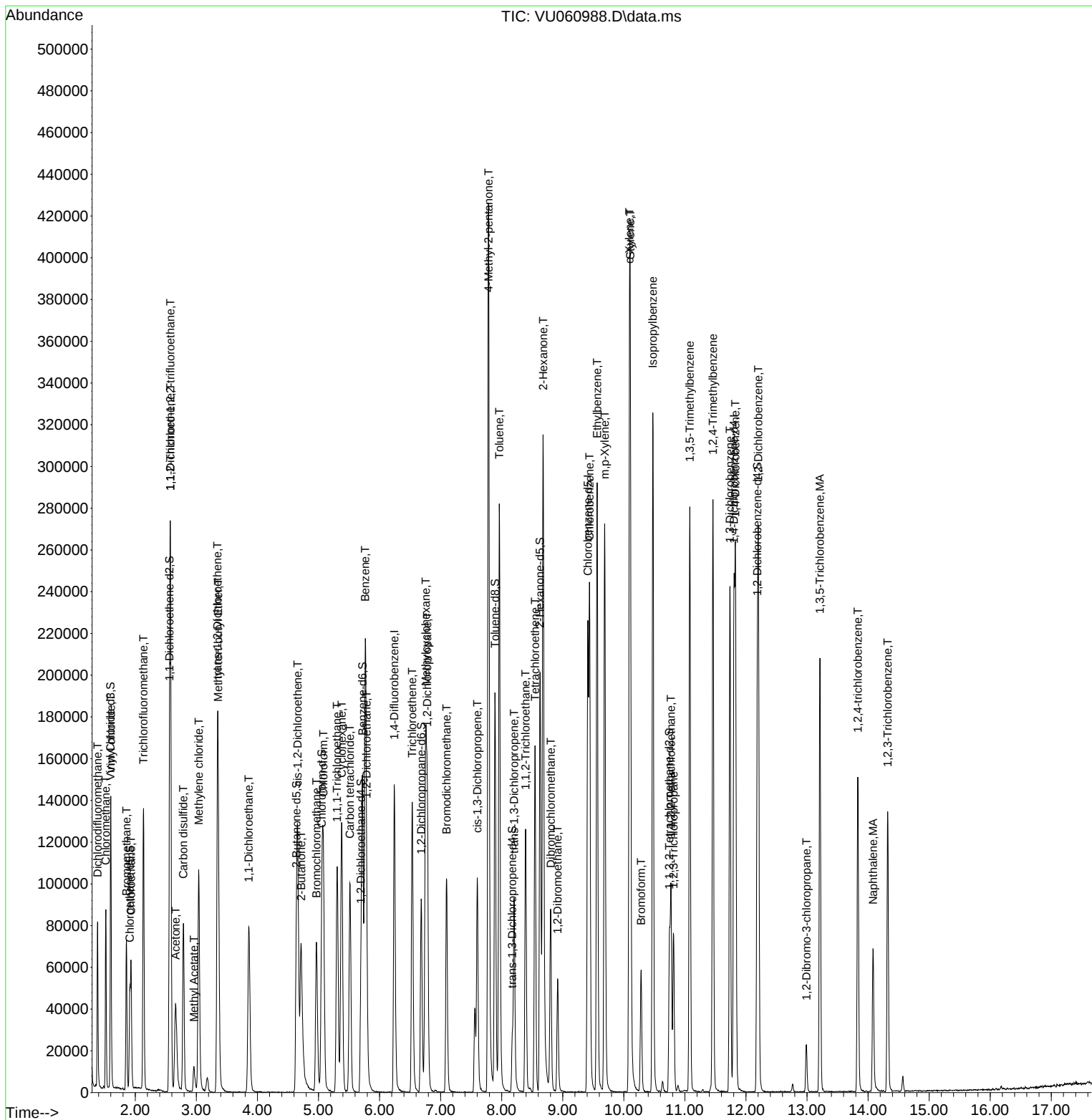
Instrument :  
 MSVOA\_U  
 ClientSampleId :

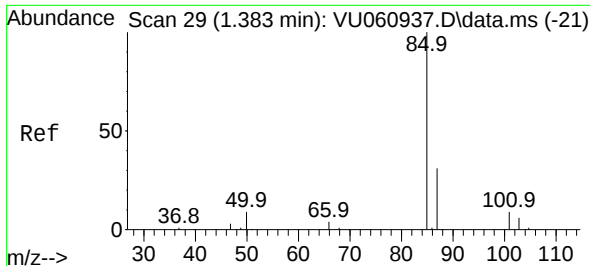
Quant Time: Sep 25 04:44:24 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR091624WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Sep 24 06:06:45 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.788  | 62   | 57499    | 5.746  | ug/L   | 99       |
| 29) 1,1,1-Trichloroethane     | 5.306  | 97   | 82101    | 6.004  | ug/L   | 99       |
| 30) Cyclohexane               | 5.380  | 56   | 58694    | 5.222  | ug/L   | 99       |
| 31) Carbon tetrachloride      | 5.515  | 117  | 73310    | 6.056  | ug/L   | 98       |
| 33) Benzene                   | 5.766  | 78   | 198598   | 5.702  | ug/L   | 100      |
| 34) Trichloroethene           | 6.534  | 95   | 51180    | 5.606  | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.756  | 83   | 61855    | 4.938  | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 6.782  | 63   | 57250    | 5.966  | ug/L # | 98       |
| 38) Bromodichloromethane      | 7.097  | 83   | 70214    | 5.965  | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 7.602  | 75   | 68069    | 5.333  | ug/L   | 94       |
| 40) 4-Methyl-2-pentanone      | 7.785  | 43   | 276806   | 61.771 | ug/L   | 99       |
| 42) Toluene                   | 7.962  | 91   | 216106   | 5.935  | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 8.203  | 75   | 59049    | 5.626  | ug/L   | 95       |
| 45) 1,1,2-Trichloroethane     | 8.389  | 97   | 41447    | 5.982  | ug/L   | 97       |
| 47) Tetrachloroethene         | 8.547  | 164  | 37880    | 5.221  | ug/L   | 99       |
| 48) 2-Hexanone                | 8.679  | 43   | 199267   | 61.006 | ug/L   | 99       |
| 49) Dibromochloromethane      | 8.804  | 129  | 46771    | 5.930  | ug/L   | 95       |
| 50) 1,2-Dibromoethane         | 8.917  | 107  | 36444    | 5.894  | ug/L   | 98       |
| 51) Chlorobenzene             | 9.441  | 112  | 133021   | 5.440  | ug/L   | 98       |
| 52) Ethylbenzene              | 9.563  | 91   | 209496   | 5.465  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.688  | 106  | 80739    | 5.555  | ug/L   | 97       |
| 54) o-Xylene                  | 10.093 | 106  | 77697    | 5.417  | ug/L   | 97       |
| 55) Styrene                   | 10.106 | 104  | 136489   | 5.646  | ug/L   | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 10.772 | 83   | 51288    | 5.935  | ug/L   | 98       |
| 59) Bromoform                 | 10.283 | 173  | 27998    | 5.993  | ug/L   | 98       |
| 60) Isopropylbenzene          | 10.476 | 105  | 204034   | 5.554  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.814 | 75   | 34269    | 5.927  | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 150801   | 5.282  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 152027   | 5.389  | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 11.736 | 146  | 100900   | 5.463  | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 11.830 | 146  | 99293    | 5.201  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 12.203 | 146  | 97017    | 5.555  | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.990 | 75   | 6877     | 6.092  | ug/L   | 87       |
| 69) 1,3,5-Trichlorobenzene    | 13.212 | 180  | 68199    | 4.936  | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.833 | 180  | 48595    | 4.993  | ug/L   | 99       |
| 71) Naphthalene               | 14.084 | 128  | 61633    | 4.801  | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 43826    | 5.212  | ug/L   | 97       |

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

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QLast Update : Tue Sep 24 06:06:45 2024  
Response via : Initial Calibration

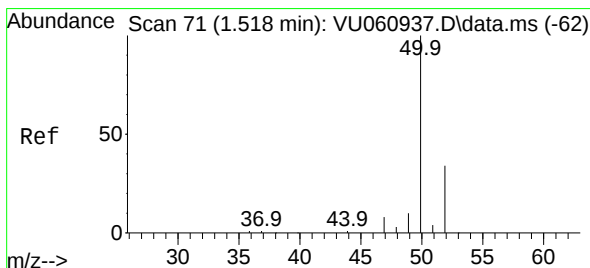
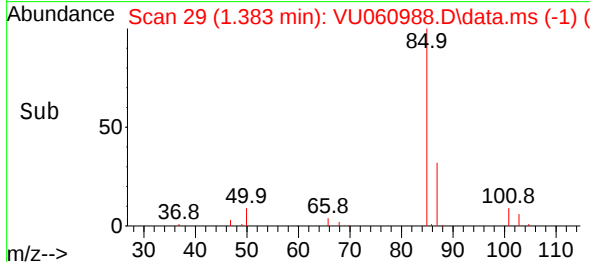
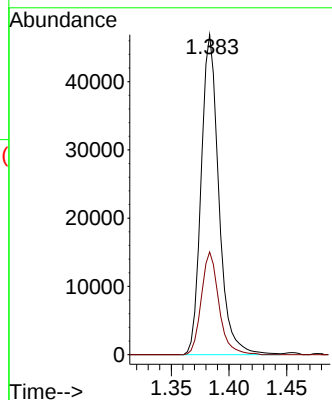
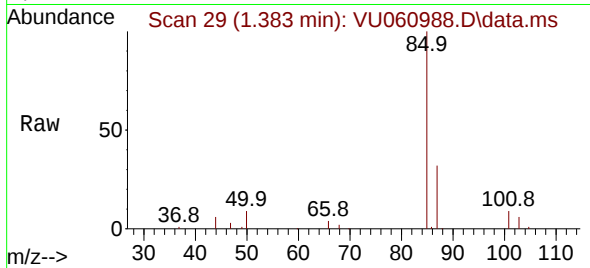




#2  
 Dichlorodifluoromethane  
 Concen: 5.222 ug/L  
 RT: 1.383 min Scan# 29  
 Delta R.T. -0.000 min  
 Lab File: VU060988.D  
 Acq: 24 Sep 2024 10:40

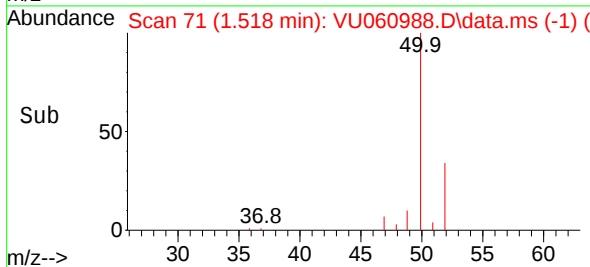
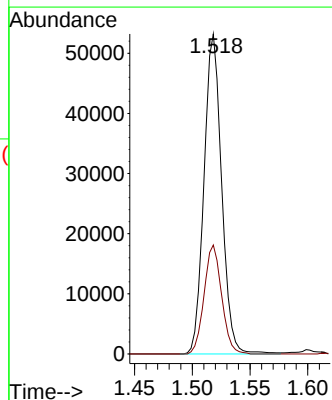
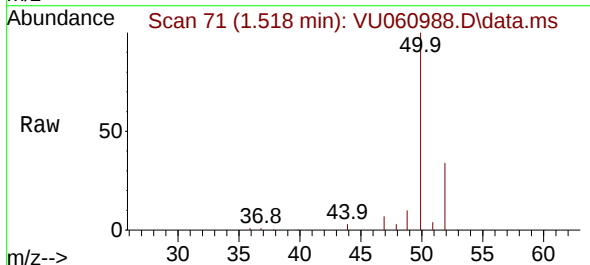
Instrument :  
 MSVOA\_U  
 ClientSampleId :

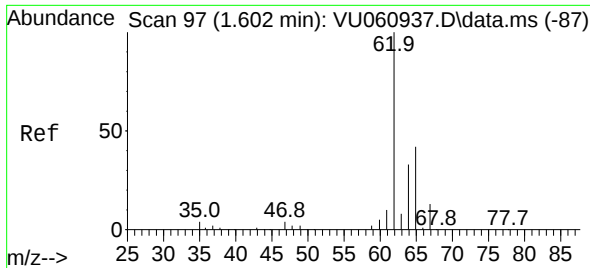
Tgt Ion: 85 Resp: 49877  
 Ion Ratio Lower Upper  
 85 100  
 87 31.9 26.2 39.2



#3  
 Chloromethane  
 Concen: 5.613 ug/L  
 RT: 1.518 min Scan# 71  
 Delta R.T. -0.000 min  
 Lab File: VU060988.D  
 Acq: 24 Sep 2024 10:40

Tgt Ion: 50 Resp: 56640  
 Ion Ratio Lower Upper  
 50 100  
 52 34.1 24.4 45.4

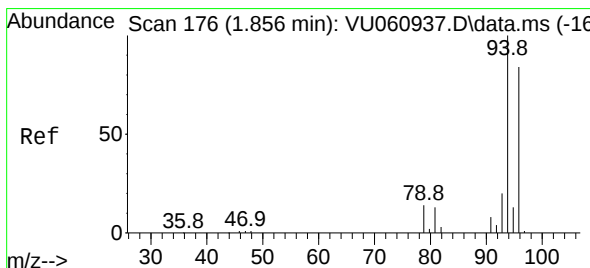
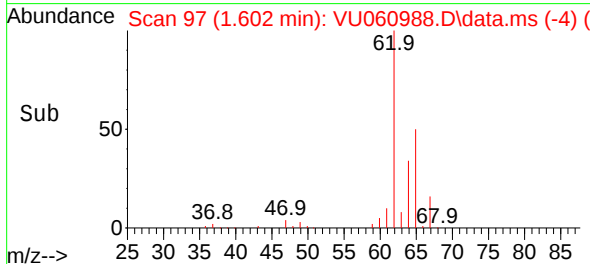
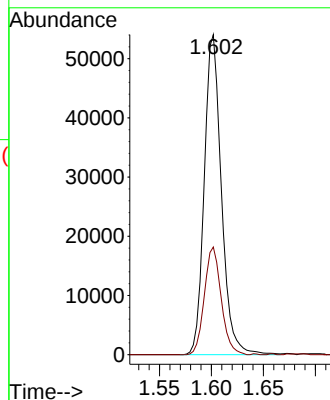
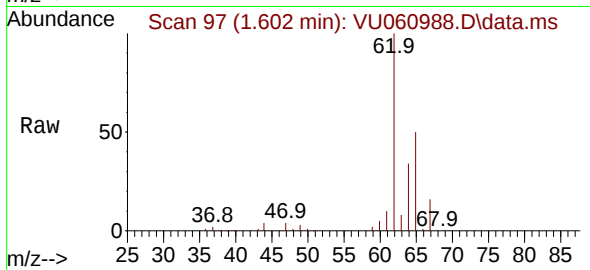




#5  
 Vinyl chloride  
 Concen: 5.676 ug/L  
 RT: 1.602 min Scan# 91  
 Delta R.T. -0.000 min  
 Lab File: VU060988.D  
 Acq: 24 Sep 2024 10:40

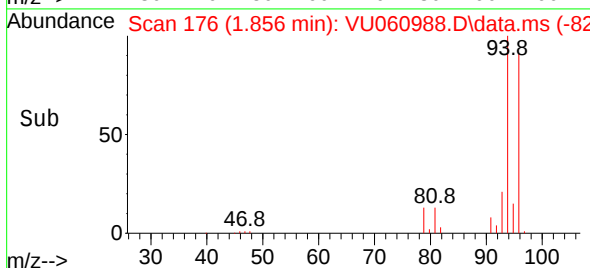
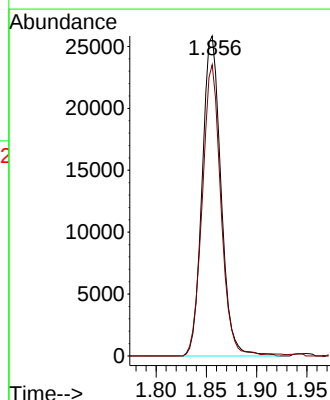
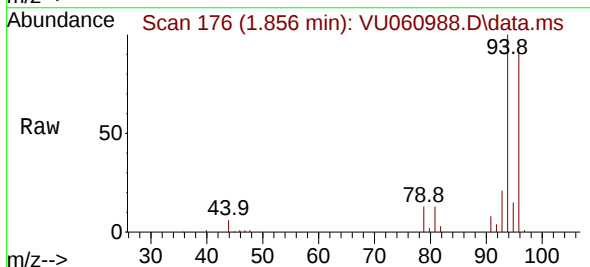
Instrument :  
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 ClientSampleId :

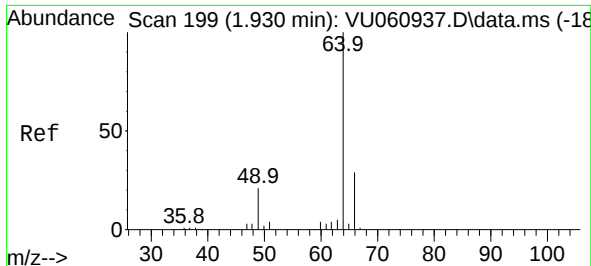
Tgt Ion: 62 Resp: 61984  
 Ion Ratio Lower Upper  
 62 100  
 64 33.6 24.0 44.6



#6  
 Bromomethane  
 Concen: 4.805 ug/L  
 RT: 1.856 min Scan# 176  
 Delta R.T. 0.003 min  
 Lab File: VU060988.D  
 Acq: 24 Sep 2024 10:40

Tgt Ion: 94 Resp: 33532  
 Ion Ratio Lower Upper  
 94 100  
 96 91.0 67.3 124.9

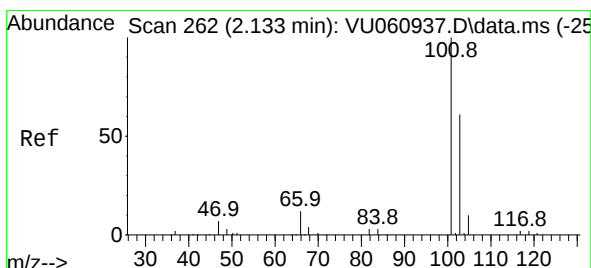
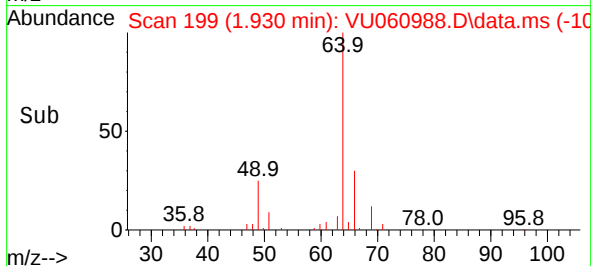
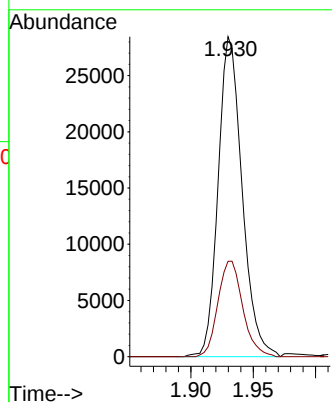
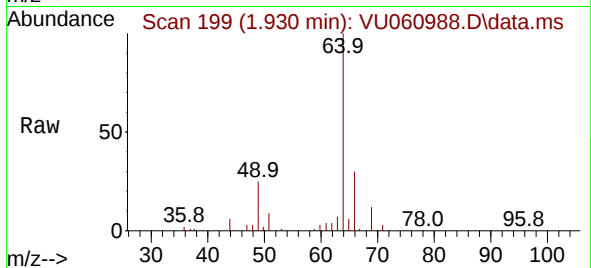




#8  
Chloroethane  
Concen: 5.711 ug/L  
RT: 1.930 min Scan# 199  
Delta R.T. -0.000 min  
Lab File: VU060988.D  
Acq: 24 Sep 2024 10:40

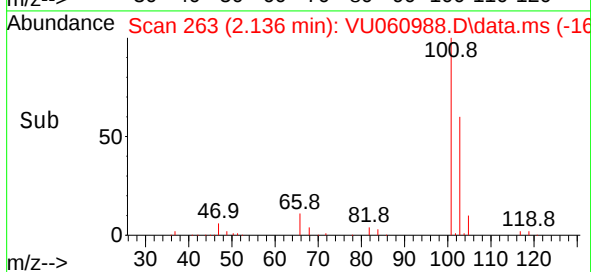
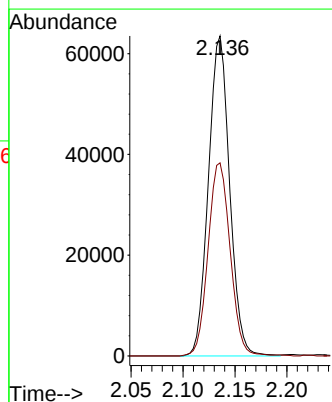
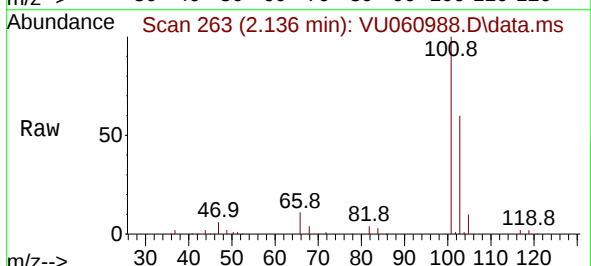
Instrument :  
MSVOA\_U  
ClientSampleId :

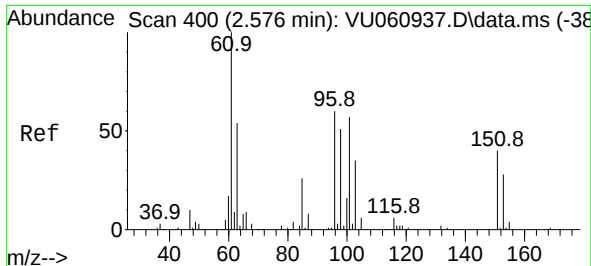
Tgt Ion: 64 Resp: 38108  
Ion Ratio Lower Upper  
64 100  
66 29.8 22.3 41.3



#9  
Trichlorofluoromethane  
Concen: 6.012 ug/L  
RT: 2.136 min Scan# 263  
Delta R.T. 0.003 min  
Lab File: VU060988.D  
Acq: 24 Sep 2024 10:40

Tgt Ion:101 Resp: 90180  
Ion Ratio Lower Upper  
101 100  
103 62.8 51.4 77.2

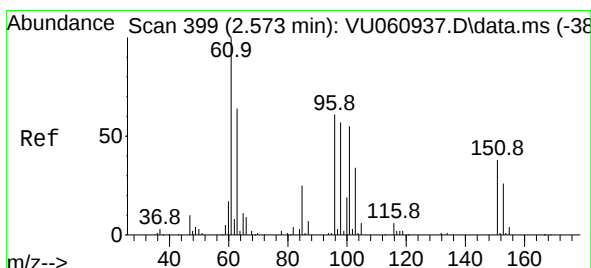
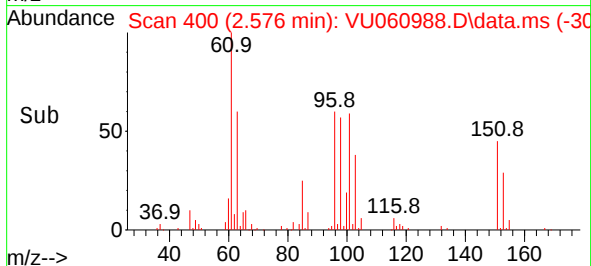
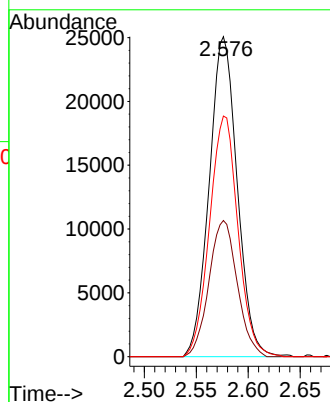
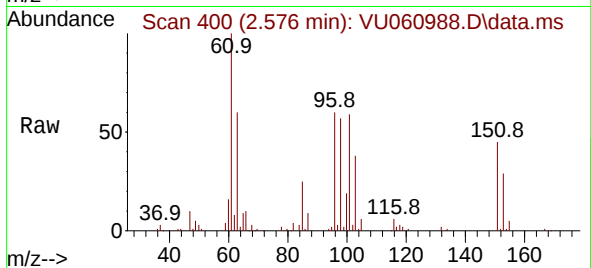




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 5.399 ug/L  
 RT: 2.576 min Scan# 400  
 Delta R.T. 0.003 min  
 Lab File: VU060988.D  
 Acq: 24 Sep 2024 10:40

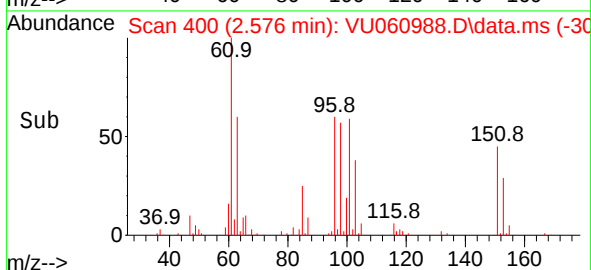
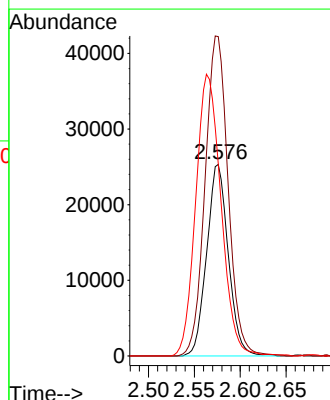
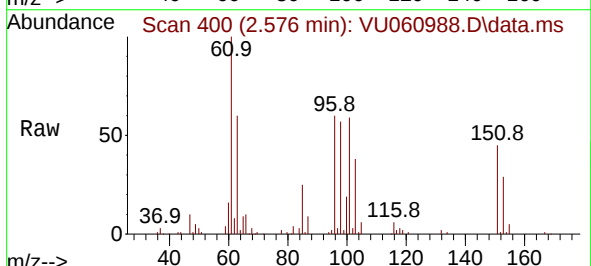
Instrument :  
 MSVOA\_U  
 ClientSampleId :

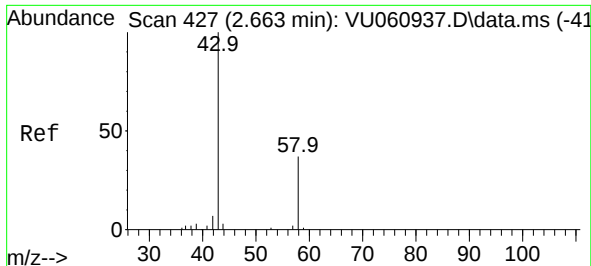
Tgt Ion:101 Resp: 47059  
 Ion Ratio Lower Upper  
 101 100  
 85 42.9 34.2 51.4  
 151 76.3 58.6 88.0



#12  
 1,1-Dichloroethene  
 Concen: 5.206 ug/L  
 RT: 2.576 min Scan# 400  
 Delta R.T. 0.003 min  
 Lab File: VU060988.D  
 Acq: 24 Sep 2024 10:40

Tgt Ion: 96 Resp: 41441  
 Ion Ratio Lower Upper  
 96 100  
 61 166.7 120.7 224.1  
 63 100.2 90.0 167.2





#13

Acetone

Concen: 56.675 ug/L

RT: 2.660 min Scan# 41

Delta R.T. 0.029 min

Lab File: VU060988.D

Acq: 24 Sep 2024 10:40

Instrument :

MSVOA\_U

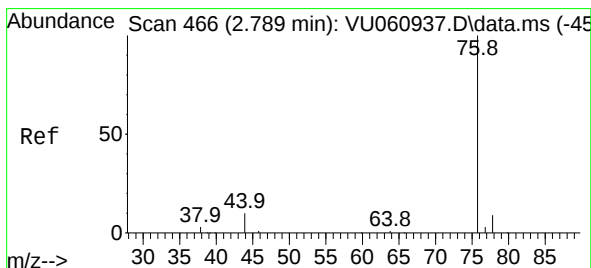
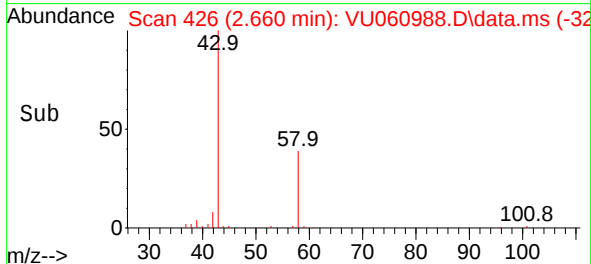
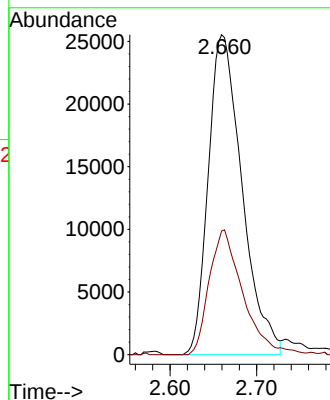
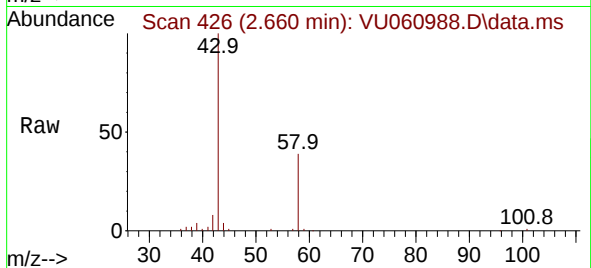
ClientSampleId :

Tgt Ion: 43 Resp: 69089

Ion Ratio Lower Upper

43 100

58 39.0 0.0 69.6



#14

Carbon disulfide

Concen: 4.972 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU060988.D

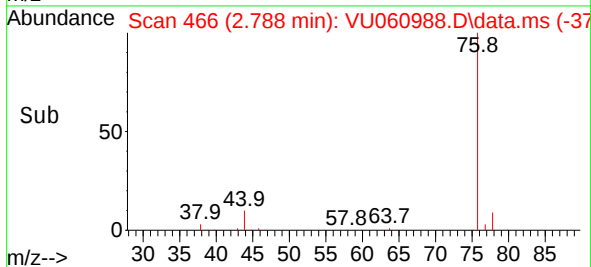
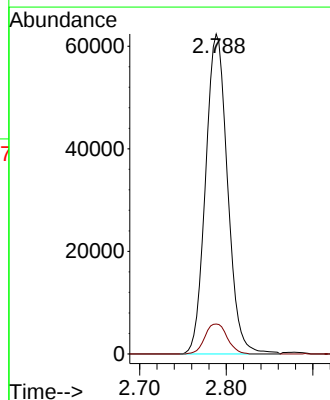
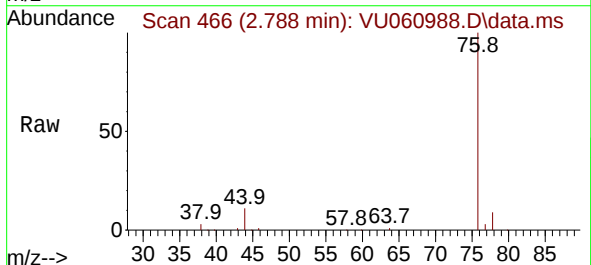
Acq: 24 Sep 2024 10:40

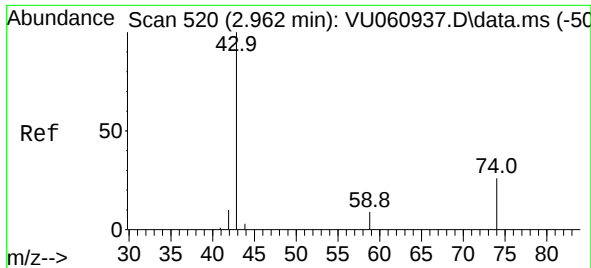
Tgt Ion: 76 Resp: 109800

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7

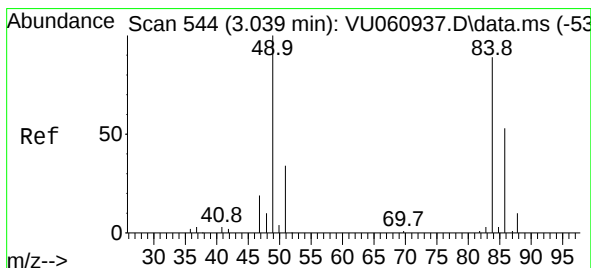
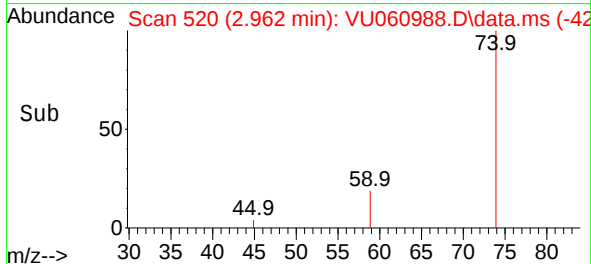
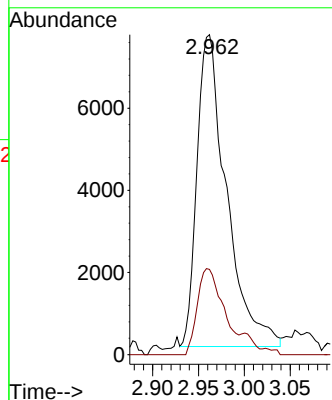
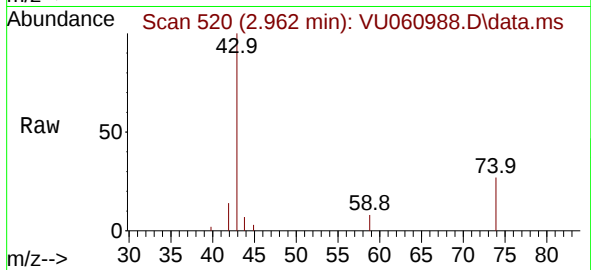




#15  
Methyl Acetate  
Concen: 5.719 ug/L  
RT: 2.962 min Scan# 51  
Delta R.T. 0.013 min  
Lab File: VU060988.D  
Acq: 24 Sep 2024 10:40

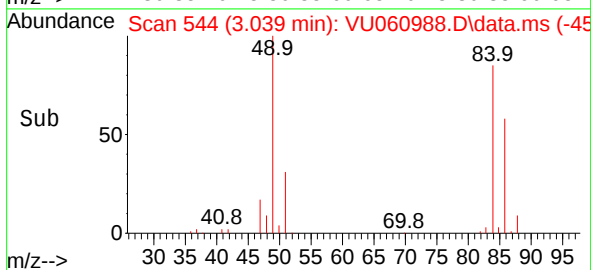
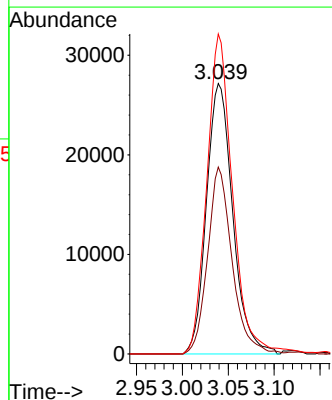
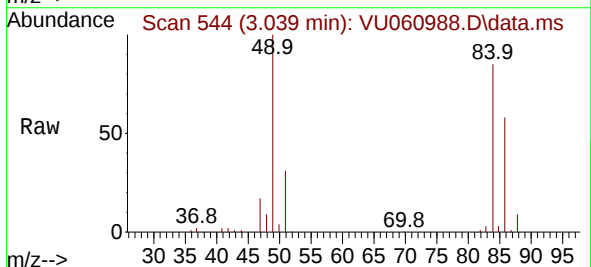
Instrument :  
MSVOA\_U  
ClientSampleId :

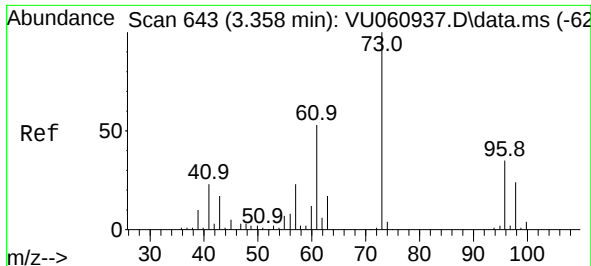
Tgt Ion: 43 Resp: 16998  
Ion Ratio Lower Upper  
43 100  
74 24.2 18.9 28.3



#16  
Methylene chloride  
Concen: 5.889 ug/L  
RT: 3.039 min Scan# 544  
Delta R.T. -0.000 min  
Lab File: VU060988.D  
Acq: 24 Sep 2024 10:40

Tgt Ion: 84 Resp: 54282  
Ion Ratio Lower Upper  
84 100  
86 69.1 47.3 87.8  
49 118.3 78.7 146.1

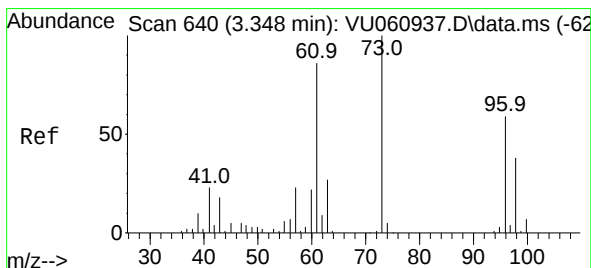
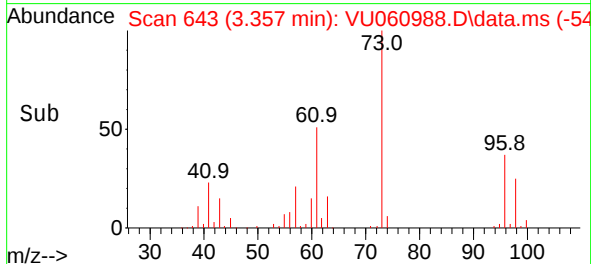
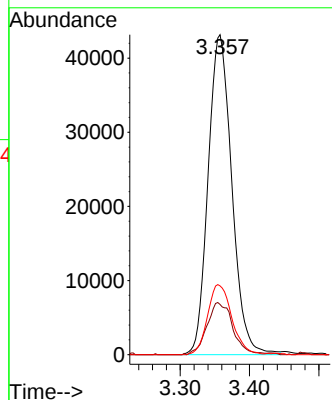
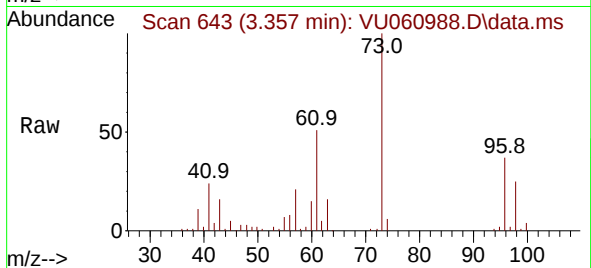




#17  
Methyl tert-butyl Ether  
Concen: 5.705 ug/L  
RT: 3.357 min Scan# 643  
Delta R.T. 0.003 min  
Lab File: VU060988.D  
Acq: 24 Sep 2024 10:40

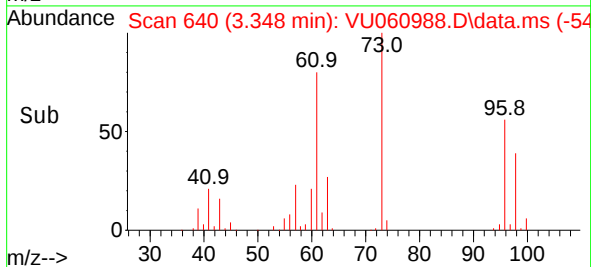
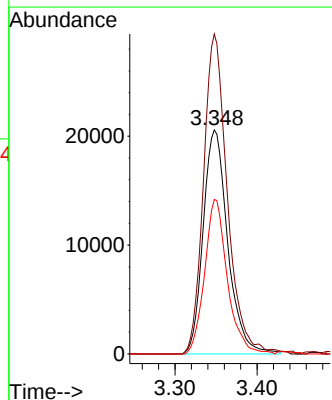
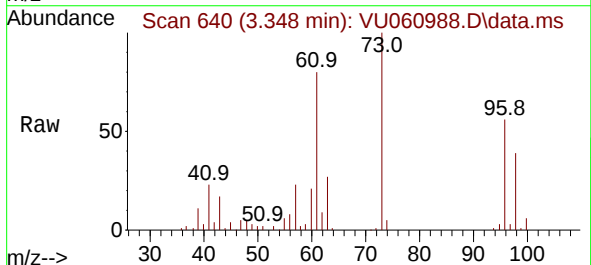
Instrument :  
MSVOA\_U  
ClientSampleId :

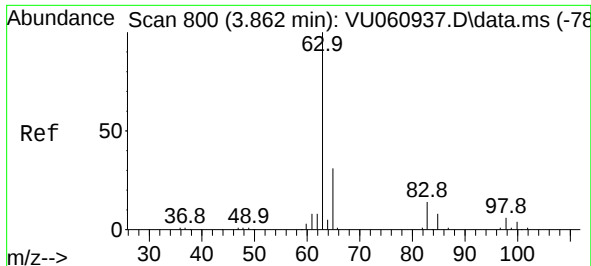
Tgt Ion: 73 Resp: 102634  
Ion Ratio Lower Upper  
73 100  
43 17.7 13.8 20.8  
57 22.4 18.0 27.0



#18  
trans-1,2-Dichloroethene  
Concen: 5.202 ug/L  
RT: 3.348 min Scan# 640  
Delta R.T. -0.000 min  
Lab File: VU060988.D  
Acq: 24 Sep 2024 10:40

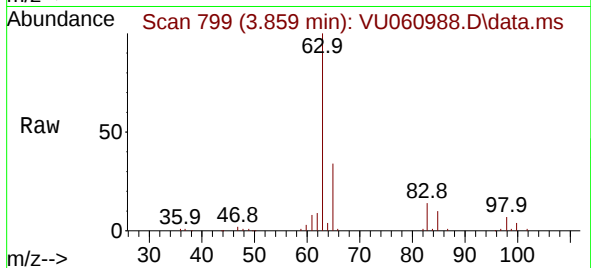
Tgt Ion: 96 Resp: 42904  
Ion Ratio Lower Upper  
96 100  
61 142.9 97.2 180.6  
98 69.0 43.3 80.5



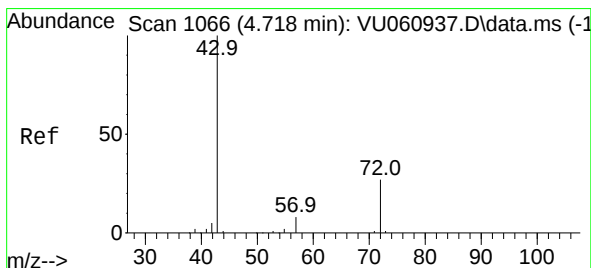
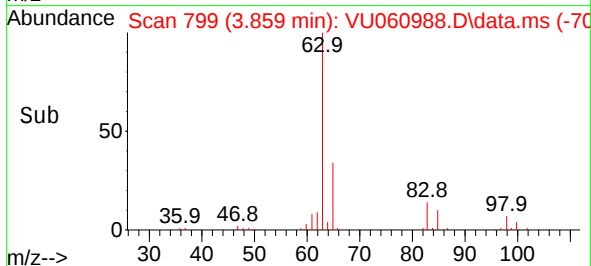
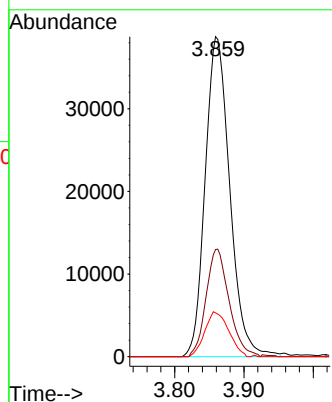


#19  
1,1-Dichloroethane  
Concen: 5.764 ug/L  
RT: 3.859 min Scan# 70  
Delta R.T. -0.000 min  
Lab File: VU060988.D  
Acq: 24 Sep 2024 10:40

Instrument :  
MSVOA\_U  
ClientSampleId :

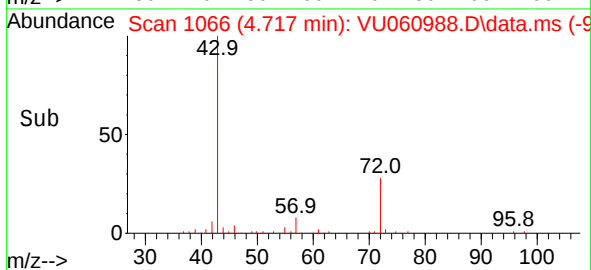
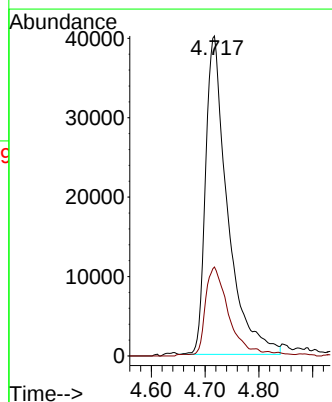
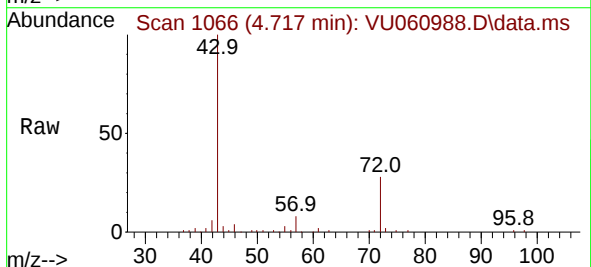


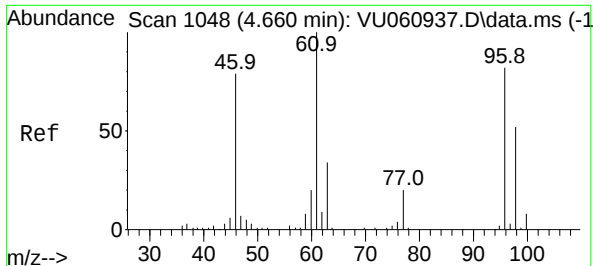
Tgt Ion: 63 Resp: 95457  
Ion Ratio Lower Upper  
63 100  
65 34.4 23.0 42.8  
83 13.7 9.0 16.6



#21  
2-Butanone  
Concen: 57.322 ug/L  
RT: 4.717 min Scan# 1066  
Delta R.T. 0.019 min  
Lab File: VU060988.D  
Acq: 24 Sep 2024 10:40

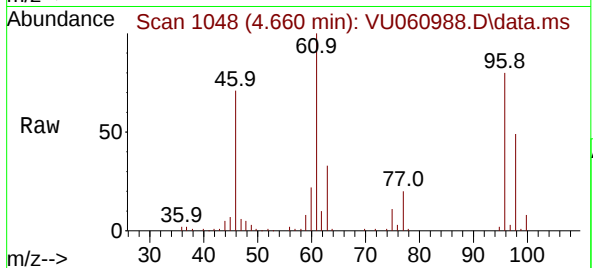
Tgt Ion: 43 Resp: 113749  
Ion Ratio Lower Upper  
43 100  
72 27.2 14.8 44.3



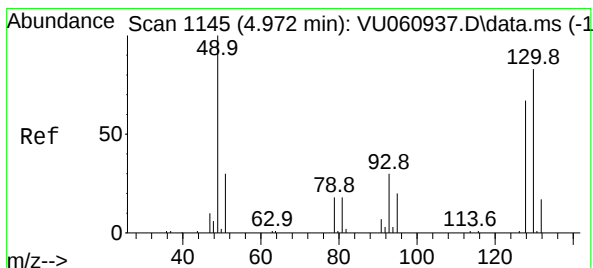
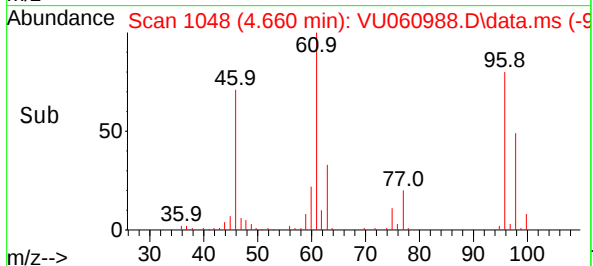
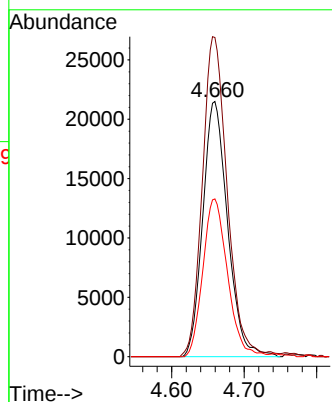


#22  
cis-1,2-Dichloroethene  
Concen: 5.599 ug/L  
RT: 4.660 min Scan# 1048  
Delta R.T. 0.003 min  
Lab File: VU060988.D  
Acq: 24 Sep 2024 10:40

Instrument :  
MSVOA\_U  
ClientSampleId :

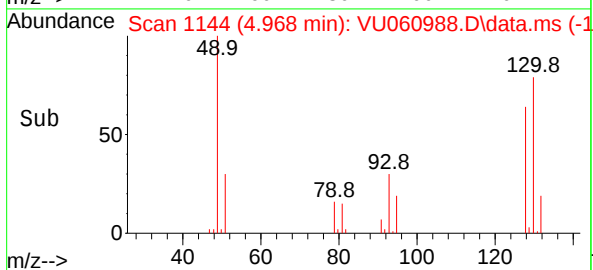
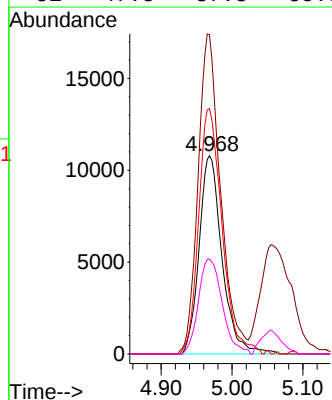
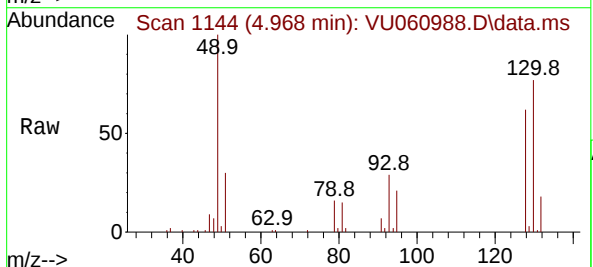


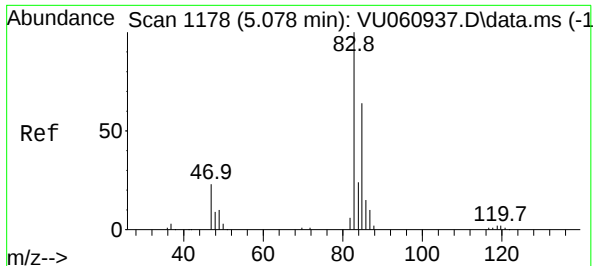
|             |                  |
|-------------|------------------|
| Tgt Ion: 96 | Resp: 51115      |
| Ion Ratio   | Lower Upper      |
| 96          | 100              |
| 61          | 125.1 89.7 166.5 |
| 98          | 61.8 45.1 83.9   |



#23  
Bromochloromethane  
Concen: 5.626 ug/L  
RT: 4.968 min Scan# 1144  
Delta R.T. -0.000 min  
Lab File: VU060988.D  
Acq: 24 Sep 2024 10:40

|              |                   |
|--------------|-------------------|
| Tgt Ion: 128 | Resp: 24257       |
| Ion Ratio    | Lower Upper       |
| 128          | 100               |
| 49           | 166.5 109.6 203.6 |
| 130          | 123.8 87.8 163.0  |
| 51           | 47.8 37.3 55.9    |

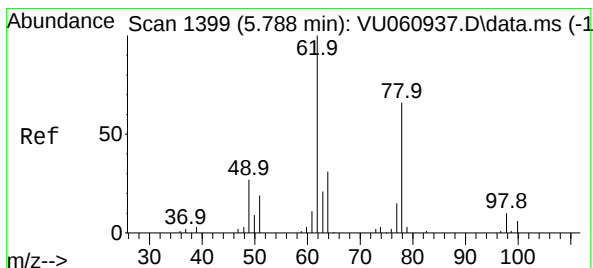
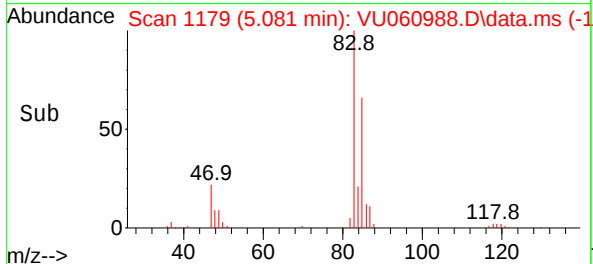
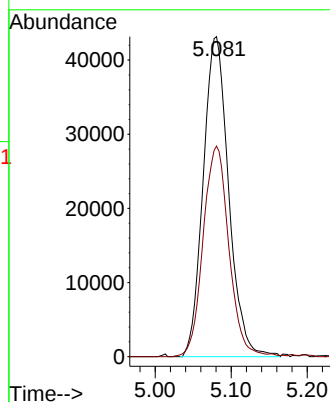
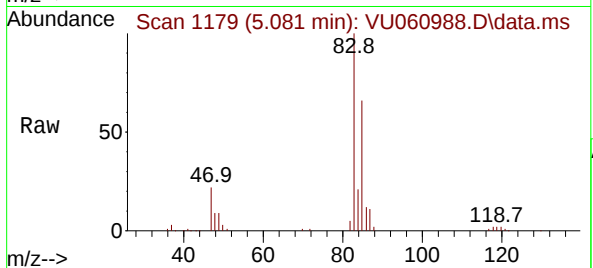




#25  
Chloroform  
Concen: 5.822 ug/L  
RT: 5.081 min Scan# 1178  
Delta R.T. 0.003 min  
Lab File: VU060988.D  
Acq: 24 Sep 2024 10:40

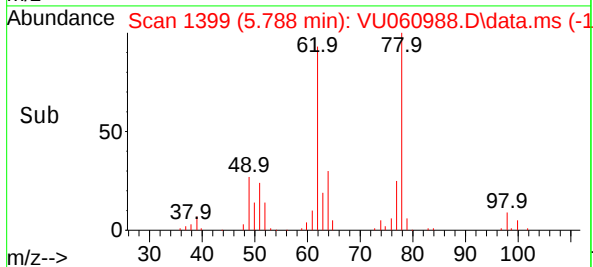
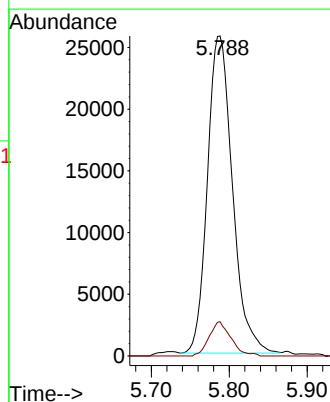
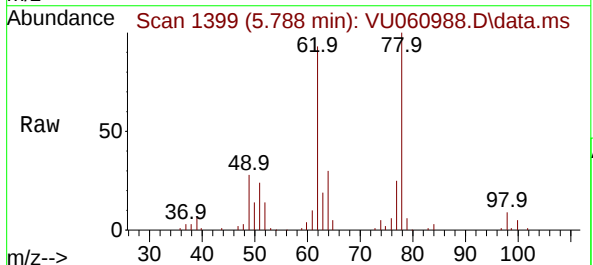
Instrument :  
MSVOA\_U  
ClientSampleId :

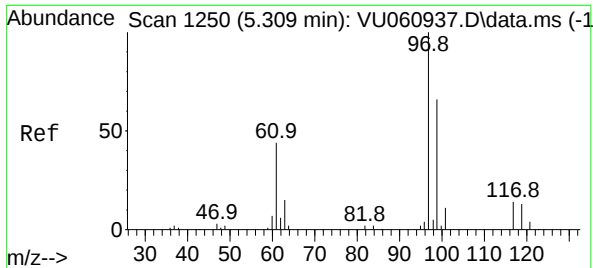
Tgt Ion: 83 Resp: 100527  
Ion Ratio Lower Upper  
83 100  
85 65.8 46.8 86.8



#27  
1,2-Dichloroethane  
Concen: 5.746 ug/L  
RT: 5.788 min Scan# 1399  
Delta R.T. 0.003 min  
Lab File: VU060988.D  
Acq: 24 Sep 2024 10:40

Tgt Ion: 62 Resp: 57499  
Ion Ratio Lower Upper  
62 100  
98 10.7 8.2 12.4

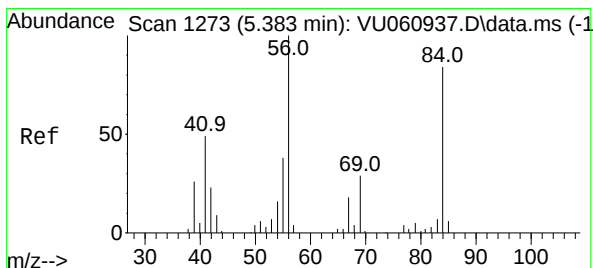
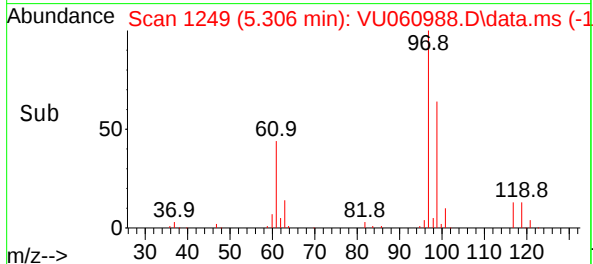
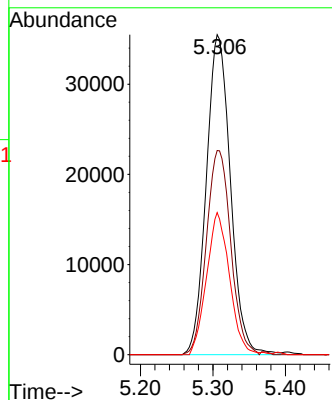
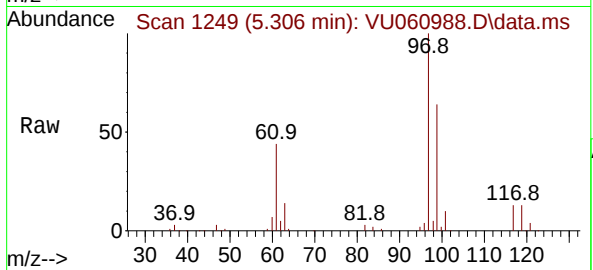




#29  
1,1,1-Trichloroethane  
Concen: 6.004 ug/L  
RT: 5.306 min Scan# 1249  
Delta R.T. -0.000 min  
Lab File: VU060988.D  
Acq: 24 Sep 2024 10:40

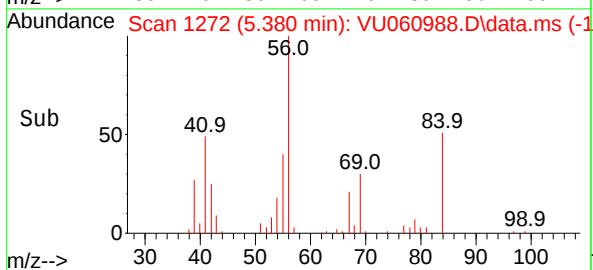
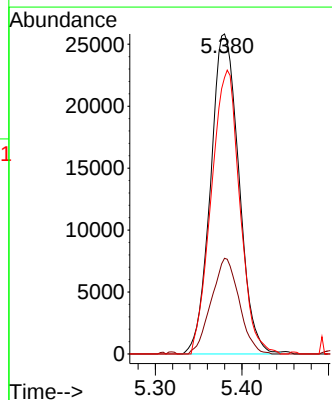
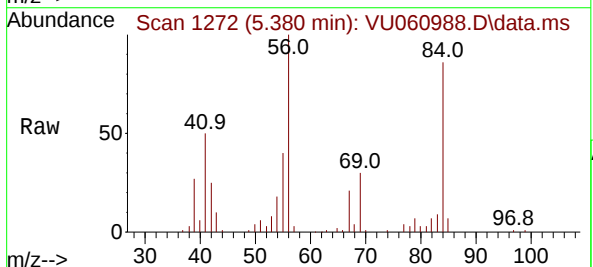
Instrument :  
MSVOA\_U  
ClientSampleId :

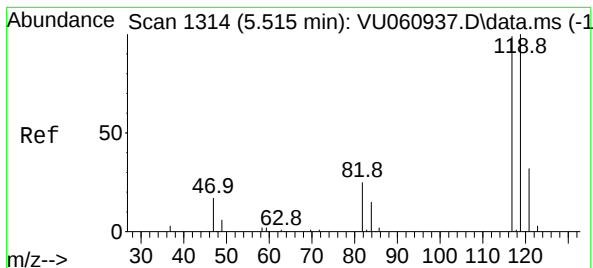
|             |                |
|-------------|----------------|
| Tgt Ion: 97 | Resp: 82101    |
| Ion Ratio   | Lower Upper    |
| 97          | 100            |
| 99          | 64.4 50.5 75.7 |
| 61          | 42.4 34.4 51.6 |



#30  
Cyclohexane  
Concen: 5.222 ug/L  
RT: 5.380 min Scan# 1272  
Delta R.T. -0.000 min  
Lab File: VU060988.D  
Acq: 24 Sep 2024 10:40

|             |                 |
|-------------|-----------------|
| Tgt Ion: 56 | Resp: 58694     |
| Ion Ratio   | Lower Upper     |
| 56          | 100             |
| 69          | 29.4 25.4 38.0  |
| 84          | 89.2 71.0 106.6 |





#31

Carbon tetrachloride

Concen: 6.056 ug/L

RT: 5.515 min Scan# 1314

Delta R.T. -0.003 min

Lab File: VU060988.D

Acq: 24 Sep 2024 10:40

Instrument :

MSVOA\_U

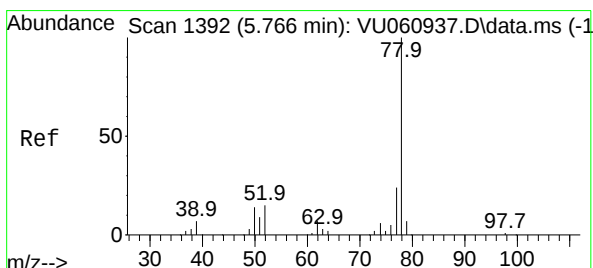
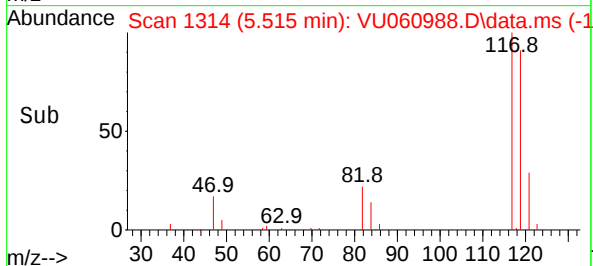
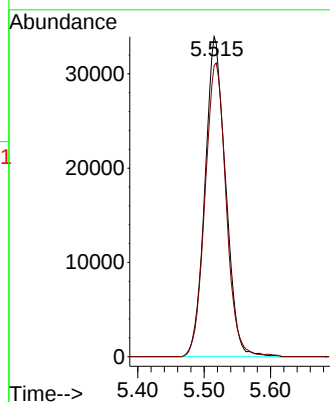
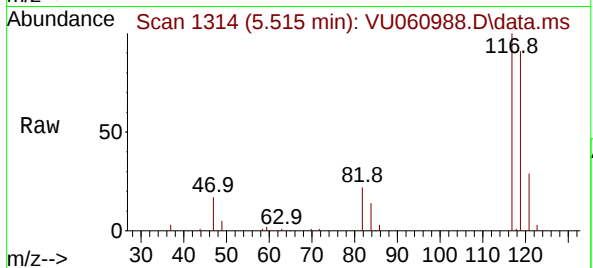
ClientSampleId :

Tgt Ion:117 Resp: 73310

Ion Ratio Lower Upper

117 100

119 93.7 76.3 114.5



#33

Benzene

Concen: 5.702 ug/L

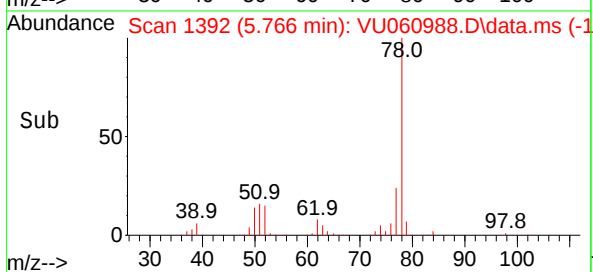
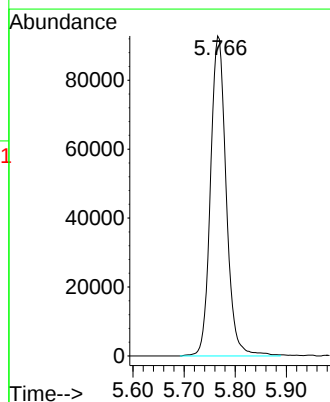
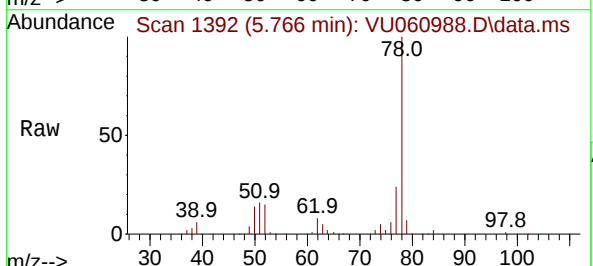
RT: 5.766 min Scan# 1392

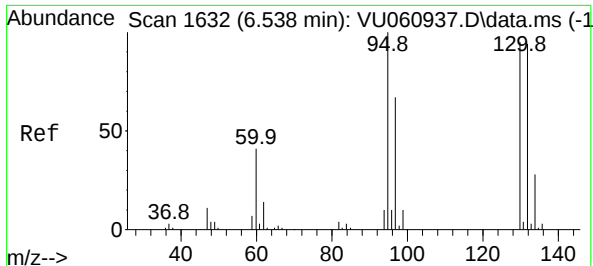
Delta R.T. -0.000 min

Lab File: VU060988.D

Acq: 24 Sep 2024 10:40

Tgt Ion: 78 Resp: 198598

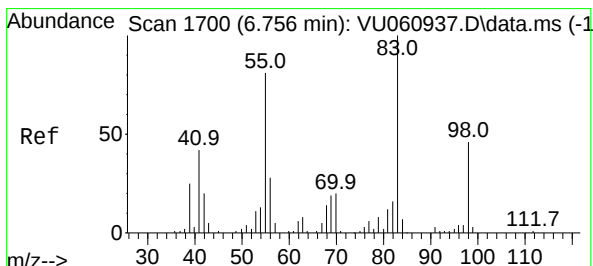
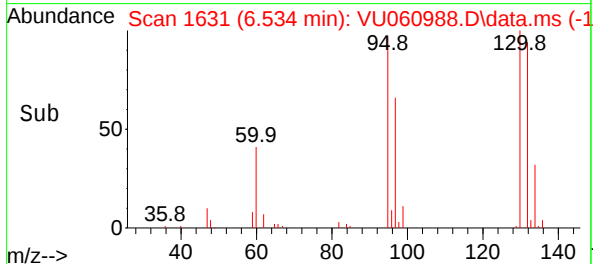
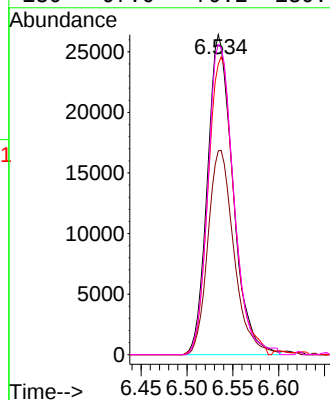
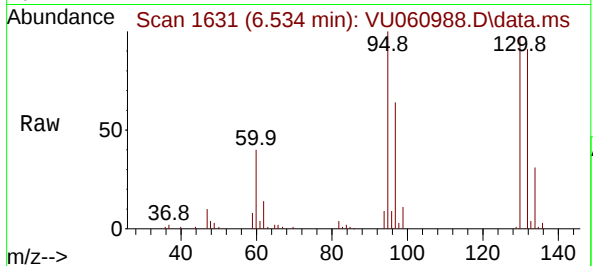




#34  
Trichloroethene  
Concen: 5.606 ug/L  
RT: 6.534 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VU060988.D  
Acq: 24 Sep 2024 10:40

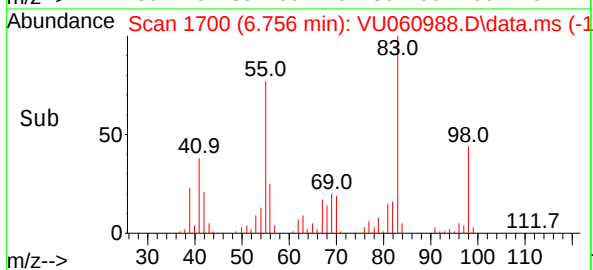
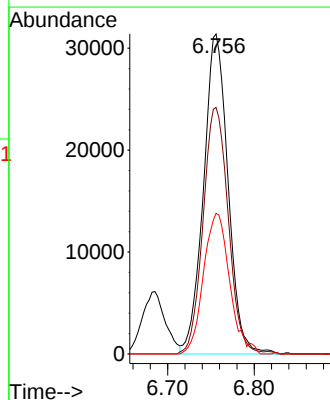
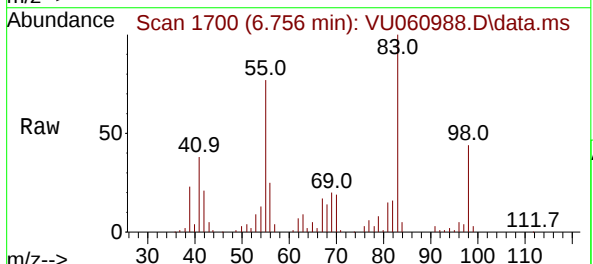
Instrument :  
MSVOA\_U  
ClientSampleId :

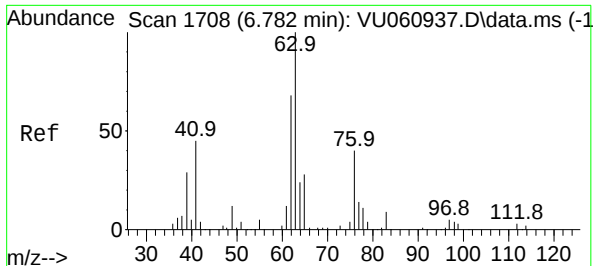
Tgt Ion: 95 Resp: 51180  
Ion Ratio Lower Upper  
95 100  
97 63.7 44.9 83.5  
132 90.8 63.5 117.9  
130 97.0 70.2 130.4



#35  
Methylcyclohexane  
Concen: 4.938 ug/L  
RT: 6.756 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VU060988.D  
Acq: 24 Sep 2024 10:40

Tgt Ion: 83 Resp: 61855  
Ion Ratio Lower Upper  
83 100  
55 79.0 62.6 94.0  
98 46.7 37.6 56.4

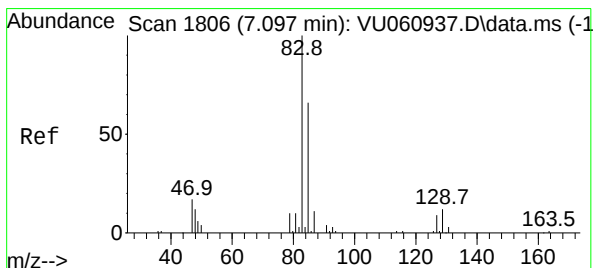
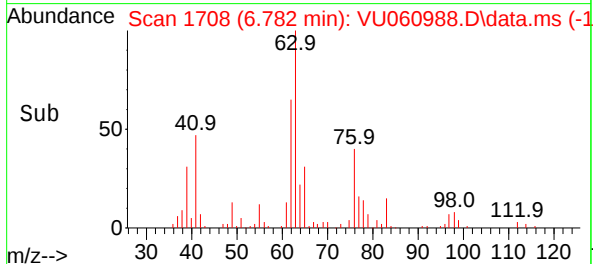
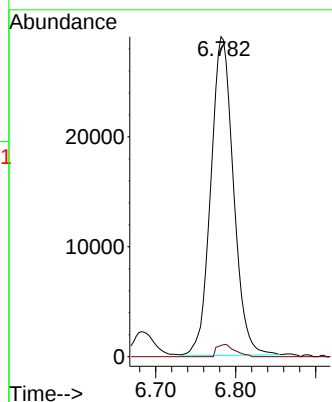
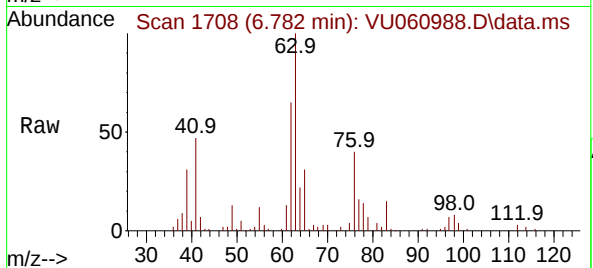




#37  
1,2-Dichloropropane  
Concen: 5.966 ug/L  
RT: 6.782 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VU060988.D  
Acq: 24 Sep 2024 10:40

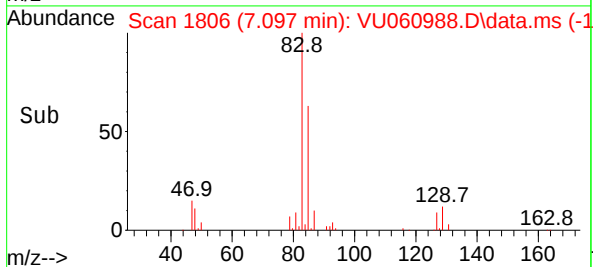
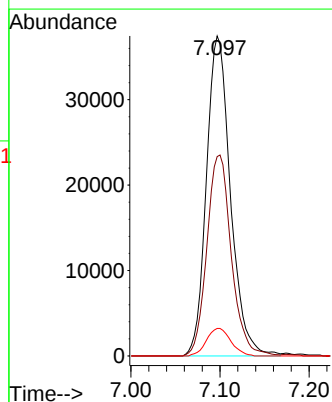
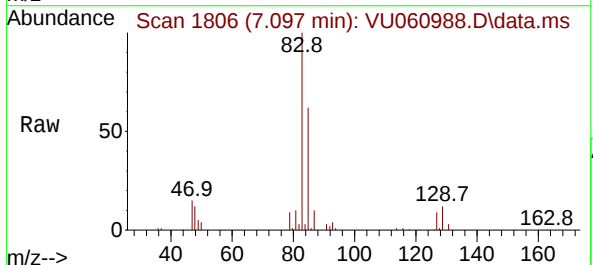
Instrument :  
MSVOA\_U  
ClientSampleId :

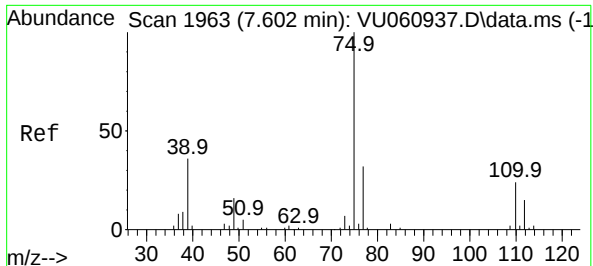
Tgt Ion: 63 Resp: 57250  
Ion Ratio Lower Upper  
63 100  
112 3.0 2.0 3.0#



#38  
Bromodichloromethane  
Concen: 5.965 ug/L  
RT: 7.097 min Scan# 1806  
Delta R.T. -0.000 min  
Lab File: VU060988.D  
Acq: 24 Sep 2024 10:40

Tgt Ion: 83 Resp: 70214  
Ion Ratio Lower Upper  
83 100  
85 62.3 45.6 84.8  
127 8.6 7.0 10.6

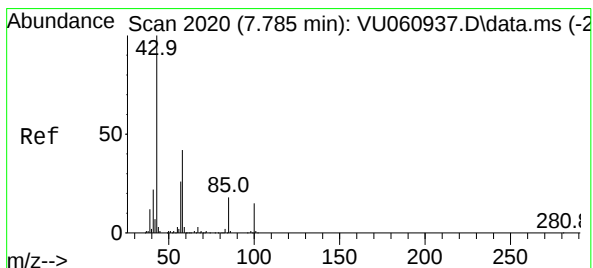
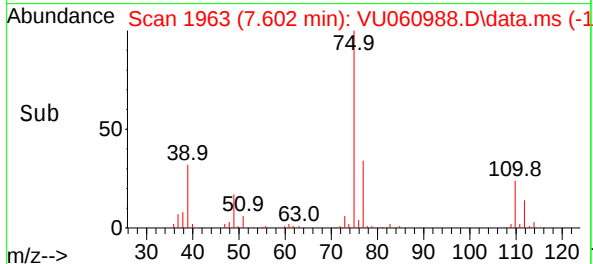
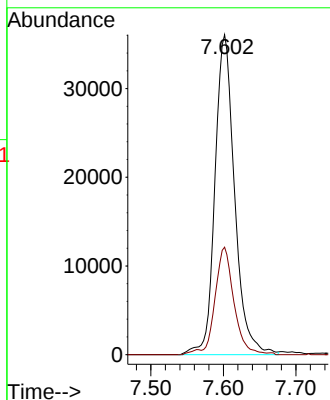
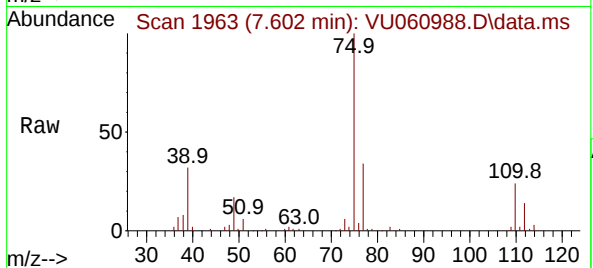




#39  
 cis-1,3-Dichloropropene  
 Concen: 5.333 ug/L  
 RT: 7.602 min Scan# 1963  
 Delta R.T. -0.000 min  
 Lab File: VU060988.D  
 Acq: 24 Sep 2024 10:40

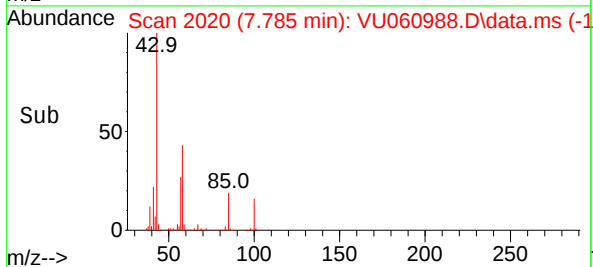
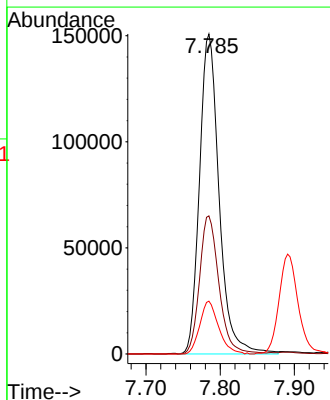
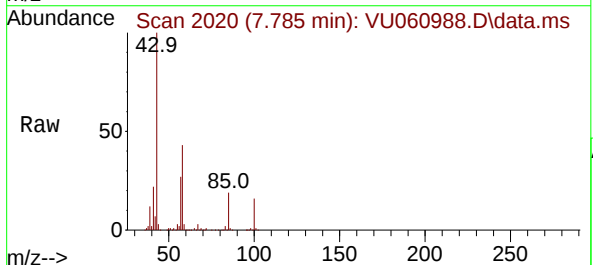
Instrument :  
 MSVOA\_U  
 ClientSampleId :

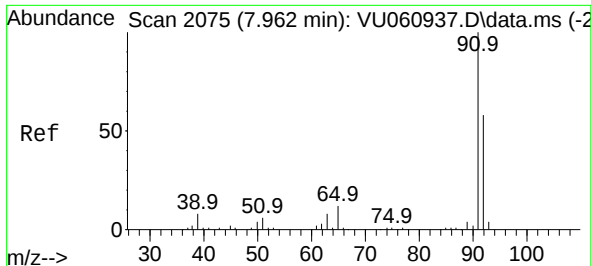
Tgt Ion: 75 Resp: 68069  
 Ion Ratio Lower Upper  
 75 100  
 77 33.6 21.3 39.5



#40  
 4-Methyl-2-pentanone  
 Concen: 61.771 ug/L  
 RT: 7.785 min Scan# 2020  
 Delta R.T. 0.003 min  
 Lab File: VU060988.D  
 Acq: 24 Sep 2024 10:40

Tgt Ion: 43 Resp: 276806  
 Ion Ratio Lower Upper  
 43 100  
 58 42.8 34.9 52.3  
 100 15.9 13.4 20.0





#42

Toluene

Concen: 5.935 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU060988.D

Acq: 24 Sep 2024 10:40

Instrument :

MSVOA\_U

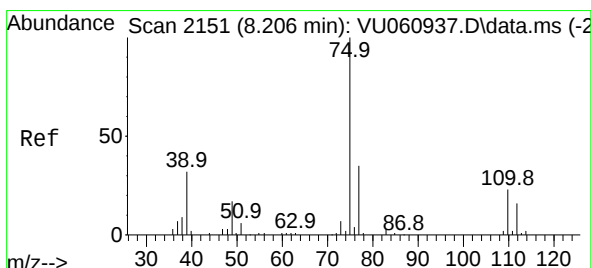
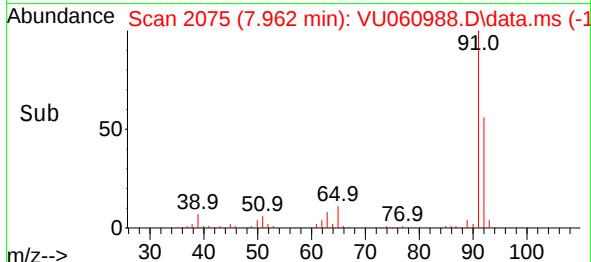
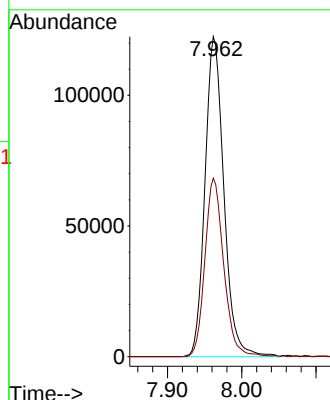
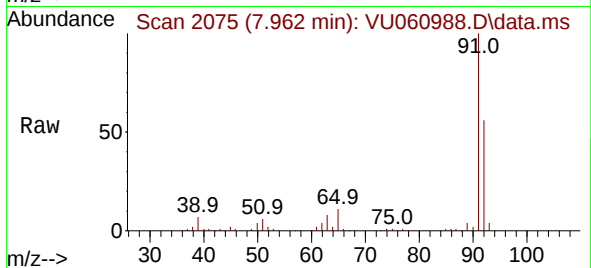
ClientSampleId :

Tgt Ion: 91 Resp: 216106

Ion Ratio Lower Upper

91 100

92 55.8 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 5.626 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.000 min

Lab File: VU060988.D

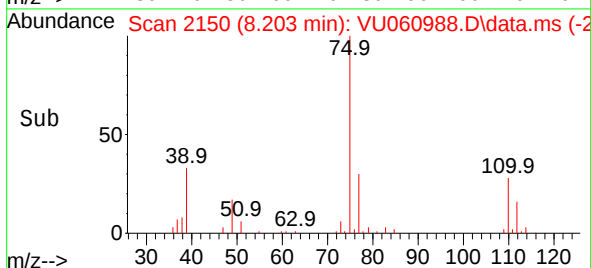
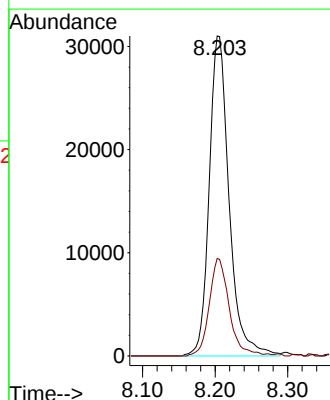
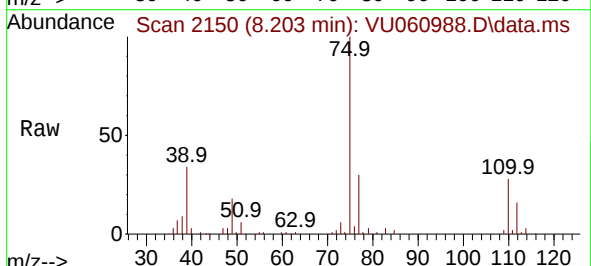
Acq: 24 Sep 2024 10:40

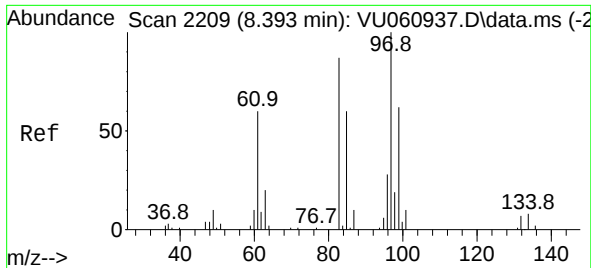
Tgt Ion: 75 Resp: 59049

Ion Ratio Lower Upper

75 100

77 30.5 23.1 42.9

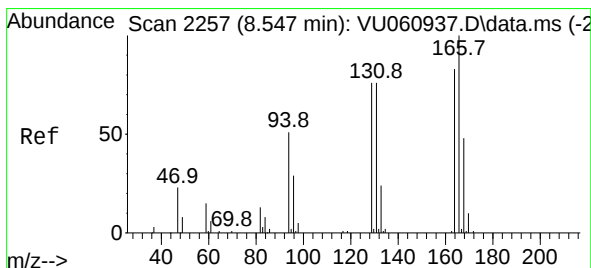
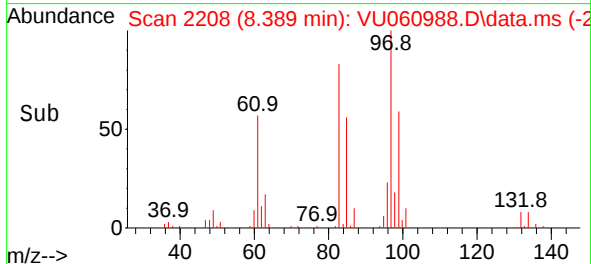
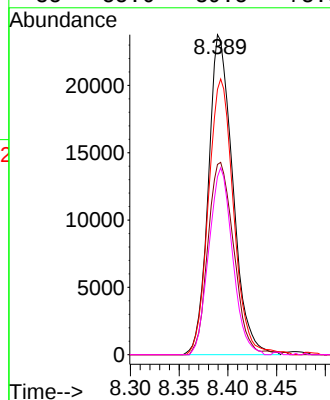
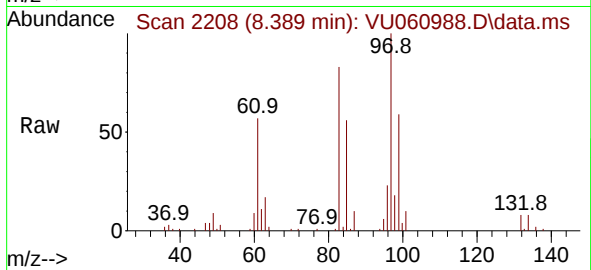




#45  
1,1,2-Trichloroethane  
Concen: 5.982 ug/L  
RT: 8.389 min Scan# 2209  
Delta R.T. -0.003 min  
Lab File: VU060988.D  
Acq: 24 Sep 2024 10:40

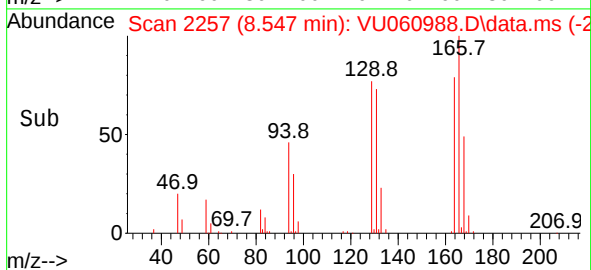
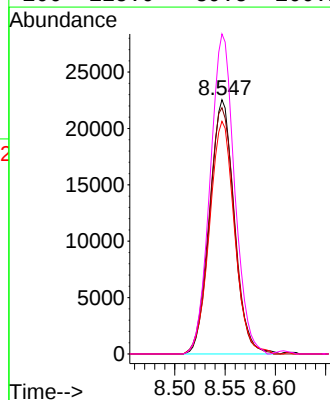
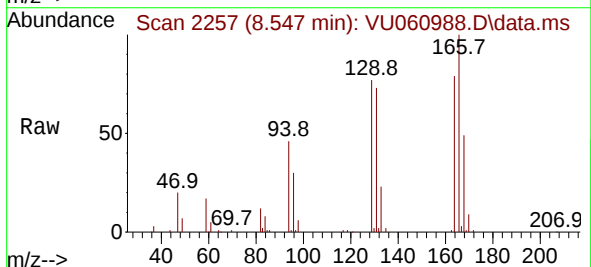
Instrument :  
MSVOA\_U  
ClientSampleId :

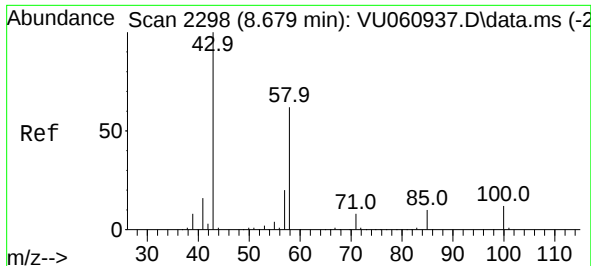
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 41447 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 59.4  | 42.3  | 78.5  |
| 83       | 82.9  | 61.7  | 114.5 |
| 85       | 55.6  | 39.5  | 73.3  |



#47  
Tetrachloroethene  
Concen: 5.221 ug/L  
RT: 8.547 min Scan# 2257  
Delta R.T. -0.000 min  
Lab File: VU060988.D  
Acq: 24 Sep 2024 10:40

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 37880 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 96.8  | 67.3  | 124.9 |
| 131      | 91.5  | 65.4  | 121.4 |
| 166      | 125.9 | 89.5  | 166.1 |

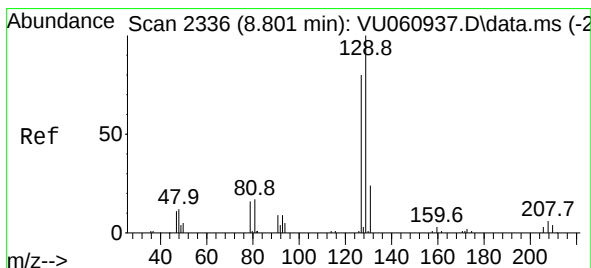
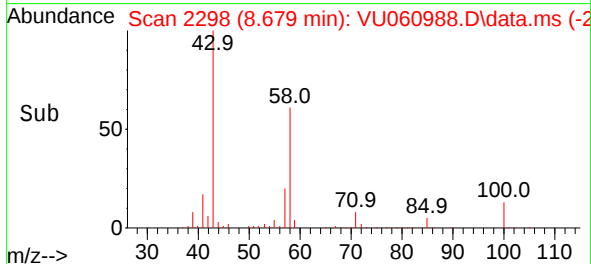
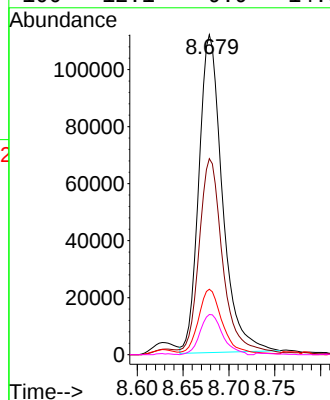
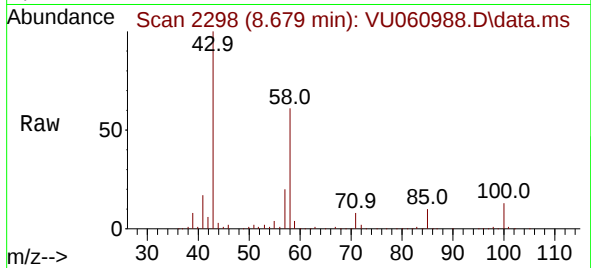




#48  
2-Hexanone  
Concen: 61.006 ug/L  
RT: 8.679 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU060988.D  
Acq: 24 Sep 2024 10:40

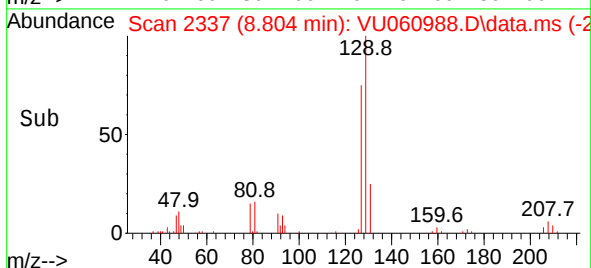
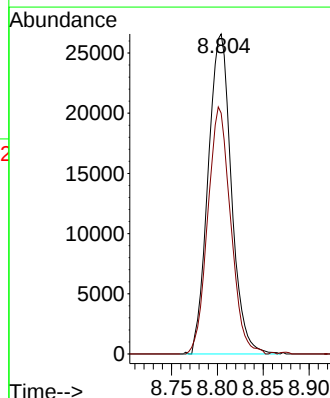
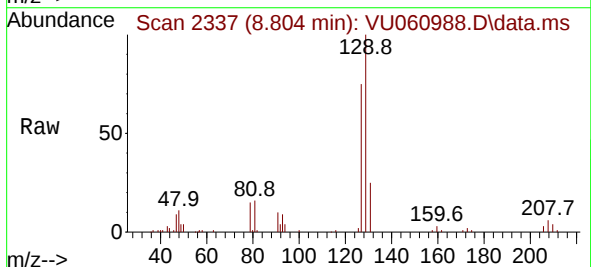
Instrument :  
MSVOA\_U  
ClientSampleId :

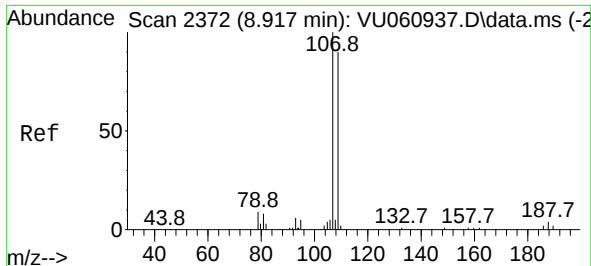
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 199267 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 61.4  | 48.3  | 72.5   |
| 57       | 21.1  | 15.9  | 23.9   |
| 100      | 12.1  | 9.9   | 14.9   |



#49  
Dibromochloromethane  
Concen: 5.930 ug/L  
RT: 8.804 min Scan# 2337  
Delta R.T. 0.003 min  
Lab File: VU060988.D  
Acq: 24 Sep 2024 10:40

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 46771 |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 75.3  | 56.1  | 104.1 |

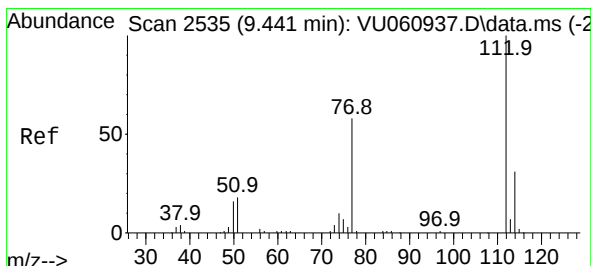
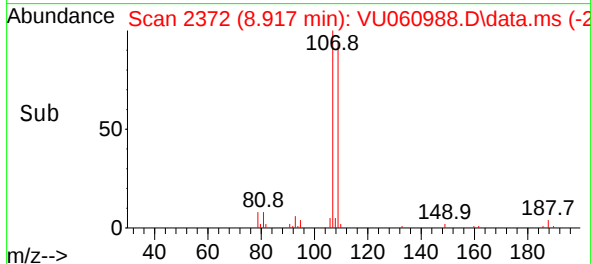
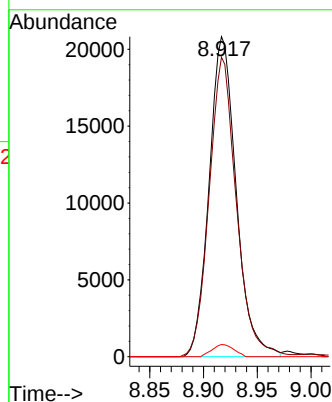
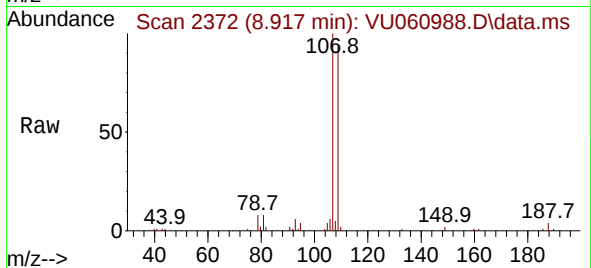




#50  
1,2-Dibromoethane  
Concen: 5.894 ug/L  
RT: 8.917 min Scan# 2372  
Delta R.T. -0.000 min  
Lab File: VU060988.D  
Acq: 24 Sep 2024 10:40

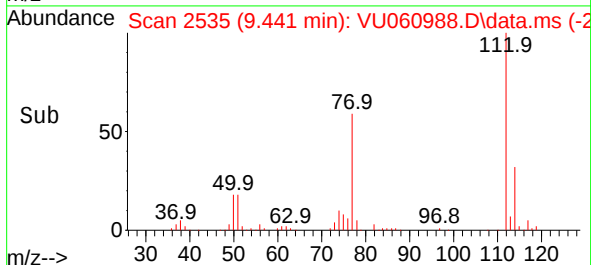
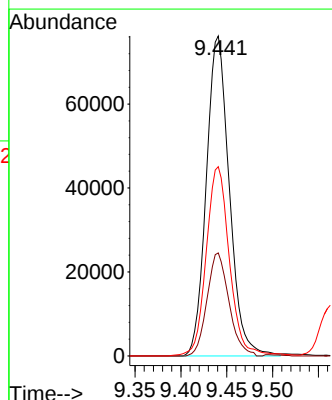
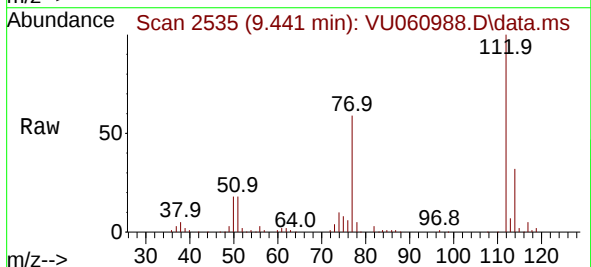
Instrument :  
MSVOA\_U  
ClientSampleId :

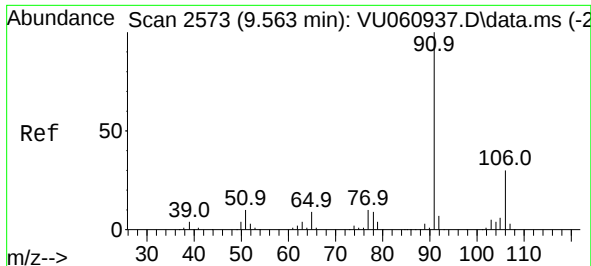
Tgt Ion:107 Resp: 36444  
Ion Ratio Lower Upper  
107 100  
109 93.6 66.8 124.0  
188 3.8 3.4 5.0



#51  
Chlorobenzene  
Concen: 5.440 ug/L  
RT: 9.441 min Scan# 2535  
Delta R.T. 0.003 min  
Lab File: VU060988.D  
Acq: 24 Sep 2024 10:40

Tgt Ion:112 Resp: 133021  
Ion Ratio Lower Upper  
112 100  
114 32.2 22.2 41.2  
77 59.2 46.1 69.1





#52

Ethylbenzene

Concen: 5.465 ug/L

RT: 9.563 min Scan# 2

Delta R.T. -0.000 min

Lab File: VU060988.D

Acq: 24 Sep 2024 10:40

Instrument :

MSVOA\_U

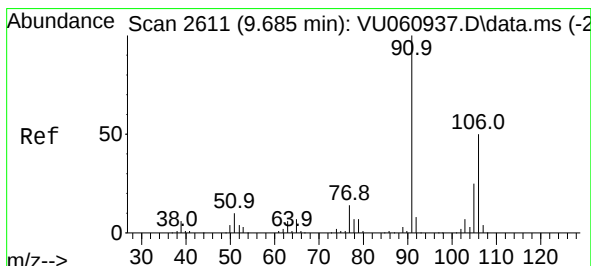
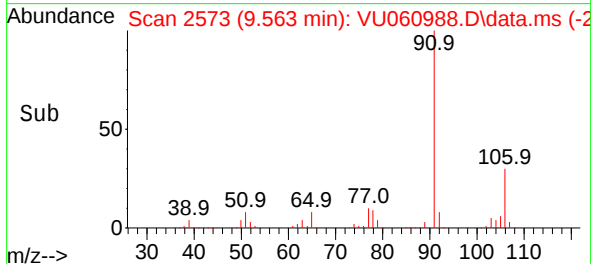
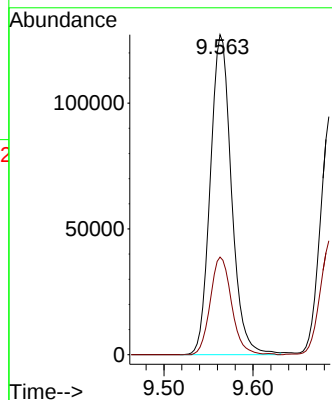
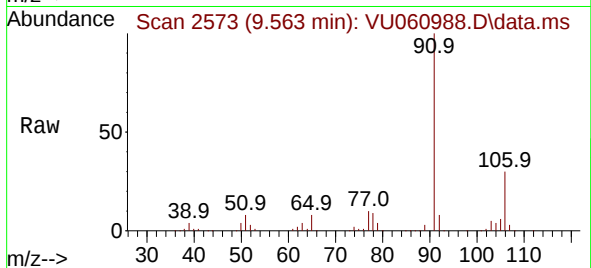
ClientSampleId :

Tgt Ion: 91 Resp: 209496

Ion Ratio Lower Upper

91 100

106 30.5 21.8 40.6



#53

m,p-Xylene

Concen: 5.555 ug/L

RT: 9.688 min Scan# 2612

Delta R.T. 0.003 min

Lab File: VU060988.D

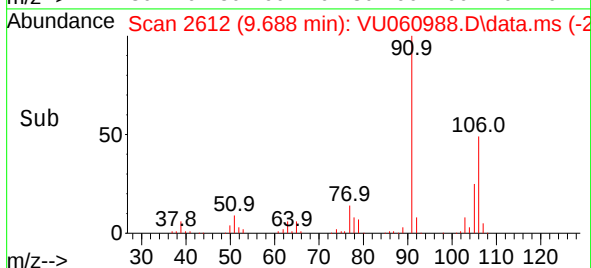
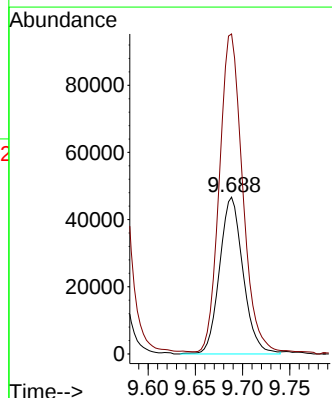
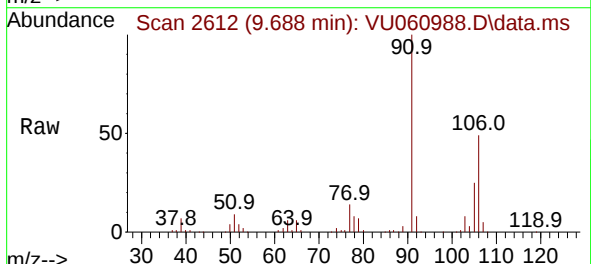
Acq: 24 Sep 2024 10:40

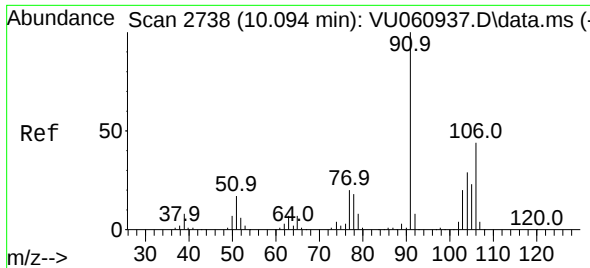
Tgt Ion:106 Resp: 80739

Ion Ratio Lower Upper

106 100

91 204.0 139.7 259.4

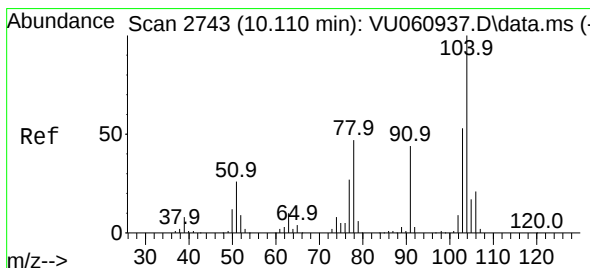
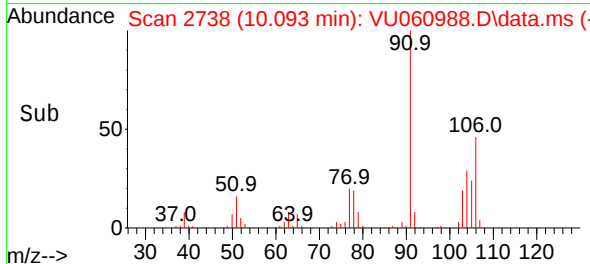
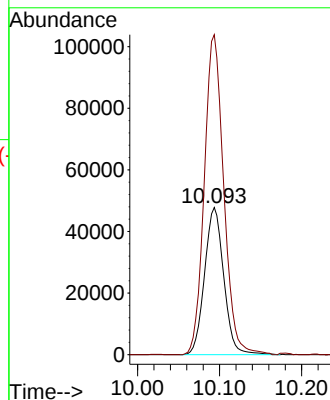
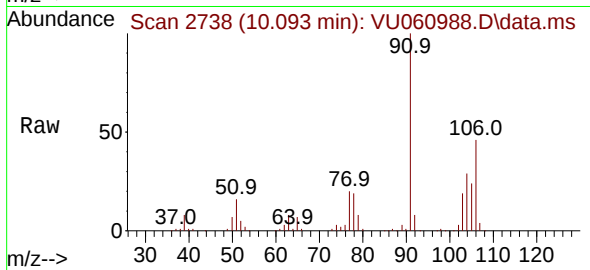




#54  
o-Xylene  
Concen: 5.417 ug/L  
RT: 10.093 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU060988.D  
Acq: 24 Sep 2024 10:40

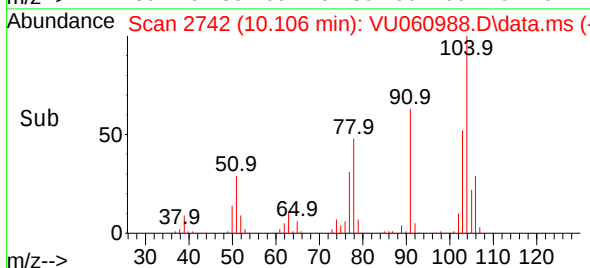
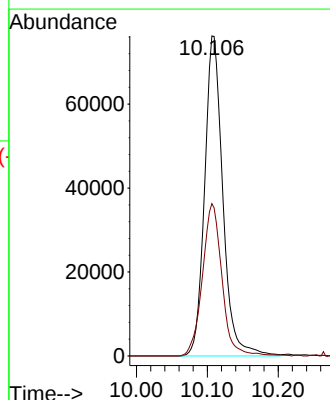
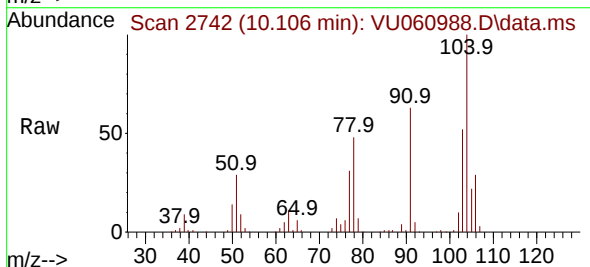
Instrument :  
MSVOA\_U  
ClientSampleId :

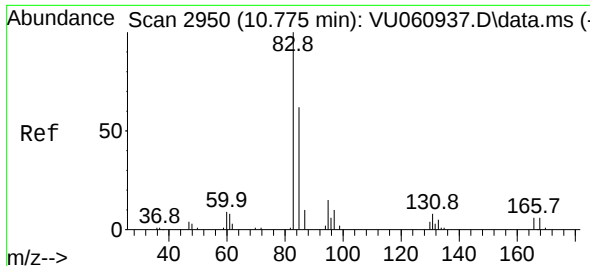
Tgt Ion:106 Resp: 77697  
Ion Ratio Lower Upper  
106 100  
91 217.3 148.6 276.0



#55  
Styrene  
Concen: 5.646 ug/L  
RT: 10.106 min Scan# 2742  
Delta R.T. -0.000 min  
Lab File: VU060988.D  
Acq: 24 Sep 2024 10:40

Tgt Ion:104 Resp: 136489  
Ion Ratio Lower Upper  
104 100  
78 47.6 31.7 58.9





#57

1,1,2,2-Tetrachloroethane

Concen: 5.935 ug/L

RT: 10.772 min Scan# 2950

Delta R.T. -0.000 min

Lab File: VU060988.D

Acq: 24 Sep 2024 10:40

Instrument :

MSVOA\_U

ClientSampleId :

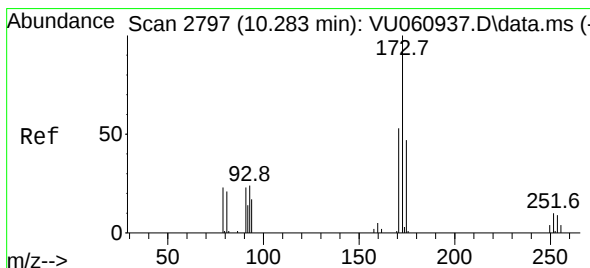
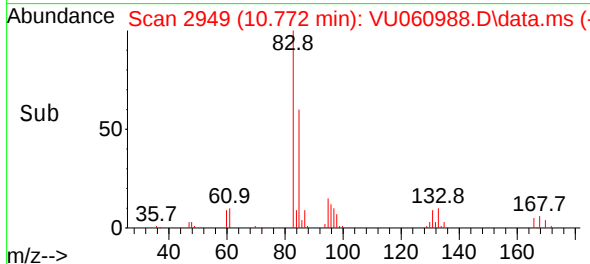
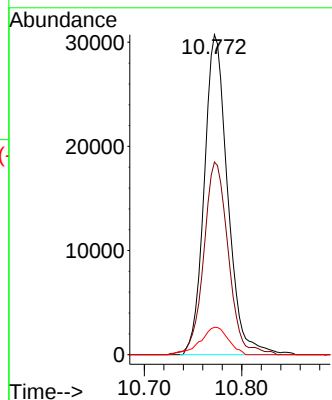
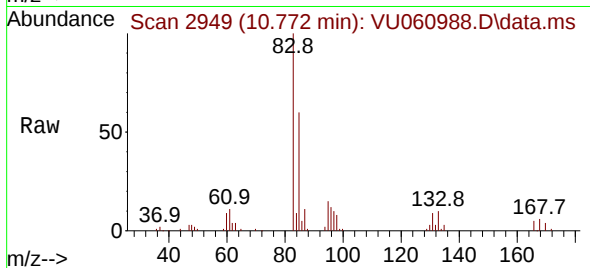
Tgt Ion: 83 Resp: 51288

Ion Ratio Lower Upper

83 100

85 60.2 42.9 79.7

131 8.6 8.4 12.6



#59

Bromoform

Concen: 5.993 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.000 min

Lab File: VU060988.D

Acq: 24 Sep 2024 10:40

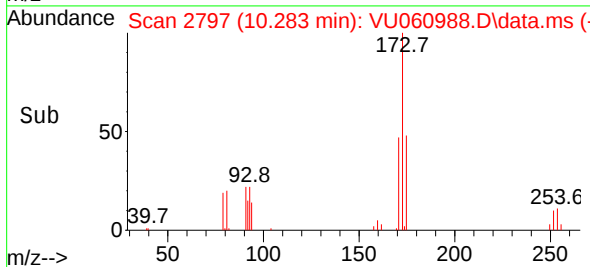
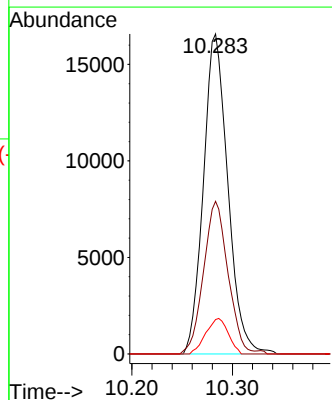
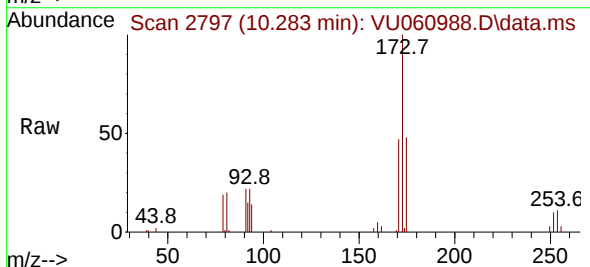
Tgt Ion:173 Resp: 27998

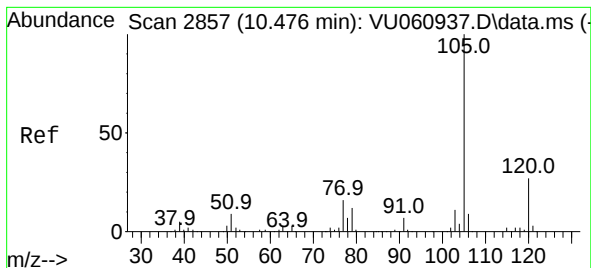
Ion Ratio Lower Upper

173 100

175 47.5 39.1 58.7

254 10.2 8.7 13.1





#60

Isopropylbenzene

Concen: 5.554 ug/L

RT: 10.476 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU060988.D

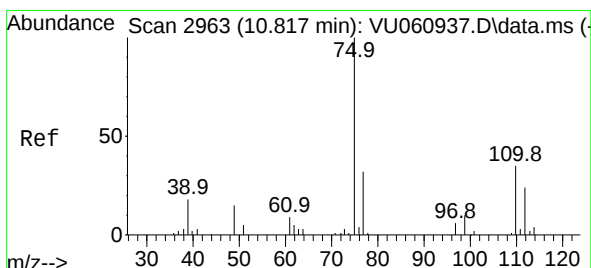
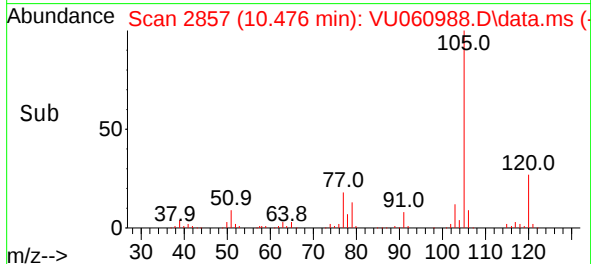
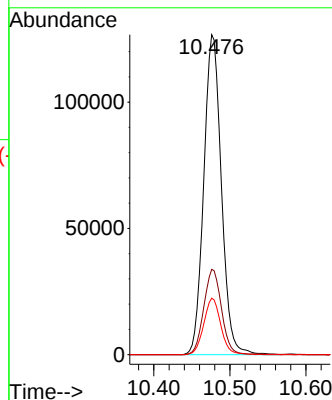
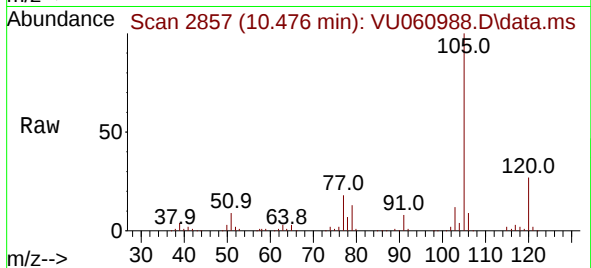
Acq: 24 Sep 2024 10:40

Instrument :

MSVOA\_U

ClientSampleId :

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 204034 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 26.7  | 21.5  | 32.3   |
| 77        | 17.0  | 12.6  | 18.8   |



#61

1,2,3-Trichloropropane

Concen: 5.927 ug/L

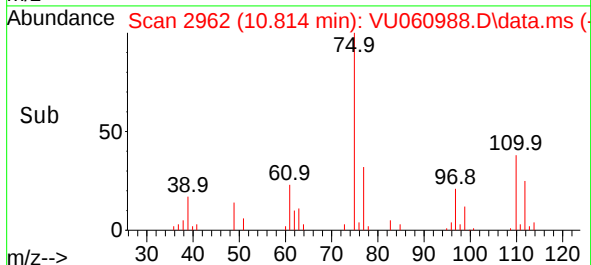
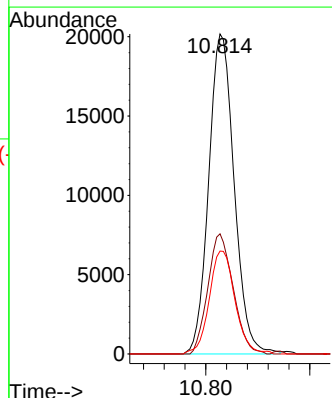
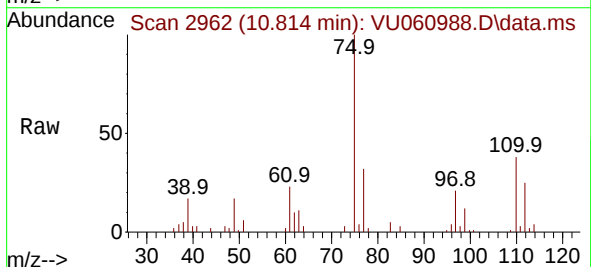
RT: 10.814 min Scan# 2962

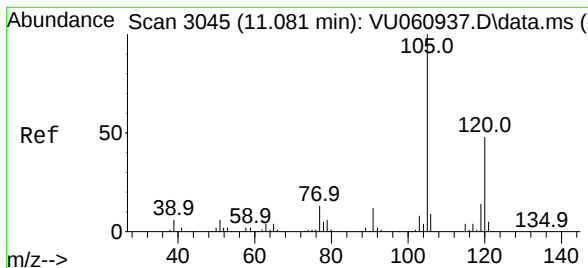
Delta R.T. -0.000 min

Lab File: VU060988.D

Acq: 24 Sep 2024 10:40

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 34269 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 37.3  | 28.6  | 43.0  |
| 77        | 32.5  | 26.3  | 39.5  |

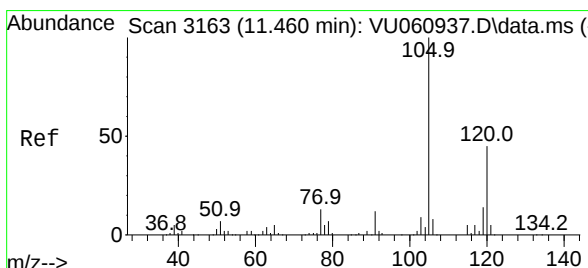
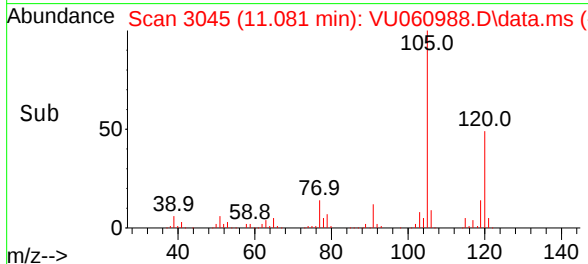
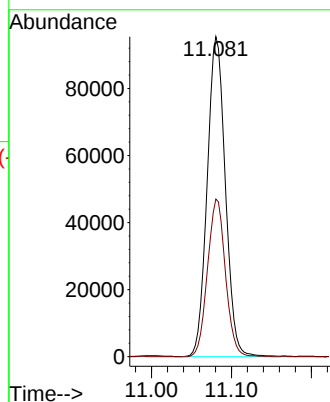
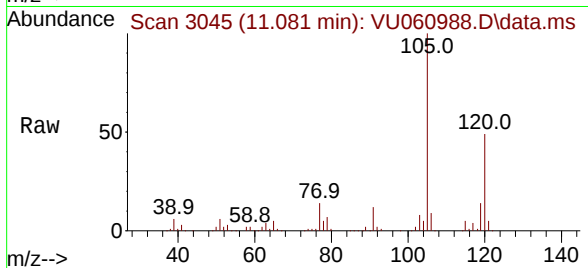




#62  
 1,3,5-Trimethylbenzene  
 Concen: 5.282 ug/L  
 RT: 11.081 min Scan# 3045  
 Delta R.T. -0.000 min  
 Lab File: VU060988.D  
 Acq: 24 Sep 2024 10:40

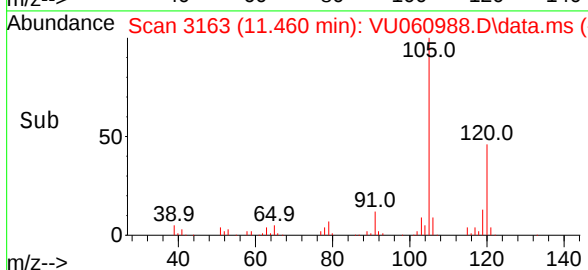
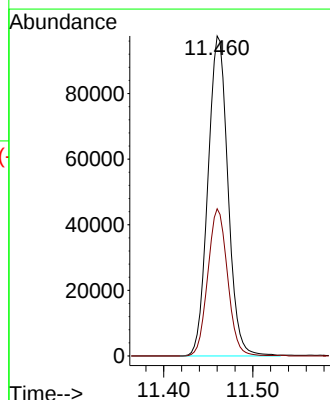
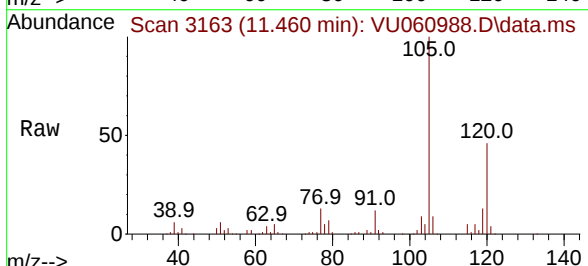
Instrument :  
 MSVOA\_U  
 ClientSampleId :

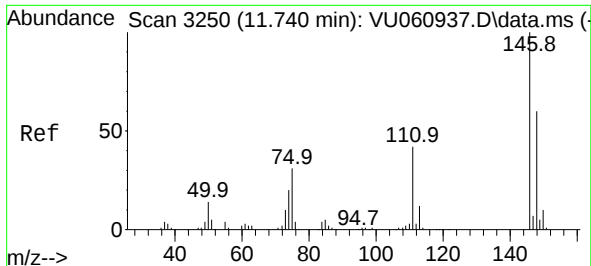
Tgt Ion:105 Resp: 150801  
 Ion Ratio Lower Upper  
 105 100  
 120 48.7 38.5 57.7



#63  
 1,2,4-Trimethylbenzene  
 Concen: 5.389 ug/L  
 RT: 11.460 min Scan# 3163  
 Delta R.T. -0.000 min  
 Lab File: VU060988.D  
 Acq: 24 Sep 2024 10:40

Tgt Ion:105 Resp: 152027  
 Ion Ratio Lower Upper  
 105 100  
 120 45.4 36.1 54.1





#64

1,3-Dichlorobenzene

Concen: 5.463 ug/L

RT: 11.736 min Scan# 3249

Delta R.T. -0.000 min

Lab File: VU060988.D

Acq: 24 Sep 2024 10:40

Instrument :

MSVOA\_U

ClientSampleId :

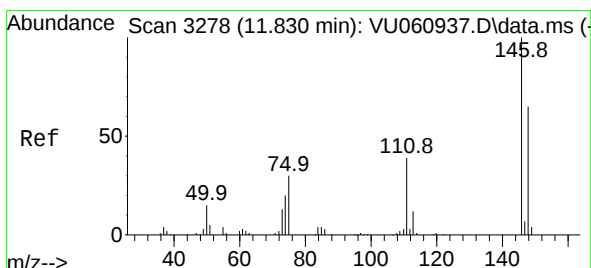
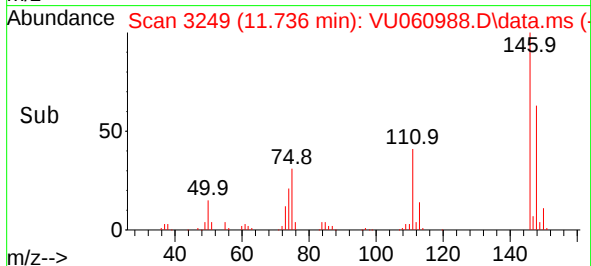
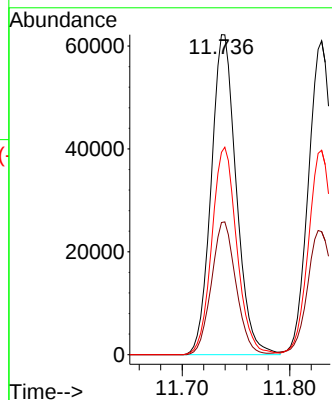
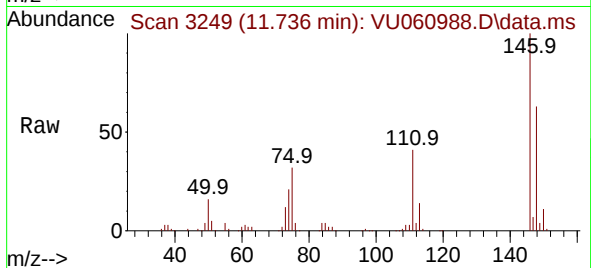
Tgt Ion:146 Resp: 100900

Ion Ratio Lower Upper

146 100

111 41.3 27.5 51.1

148 63.3 43.7 81.1



#65

1,4-Dichlorobenzene

Concen: 5.201 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. -0.000 min

Lab File: VU060988.D

Acq: 24 Sep 2024 10:40

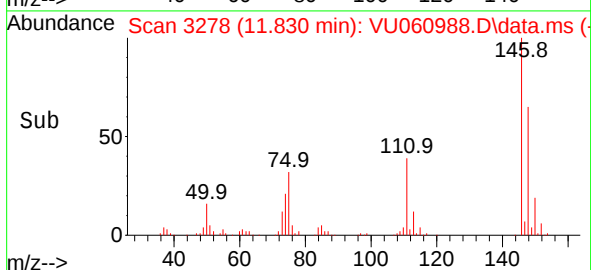
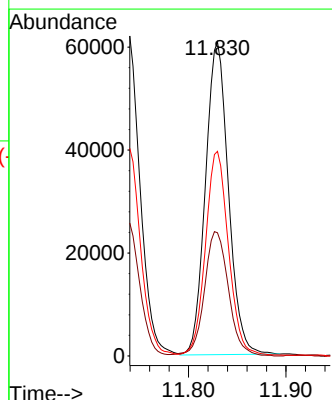
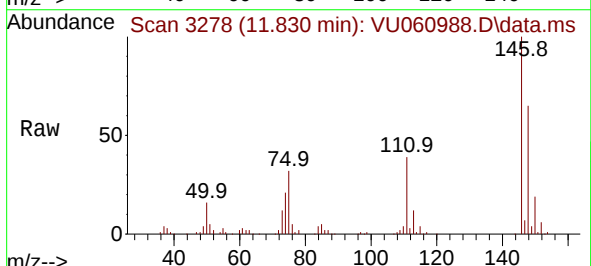
Tgt Ion:146 Resp: 99293

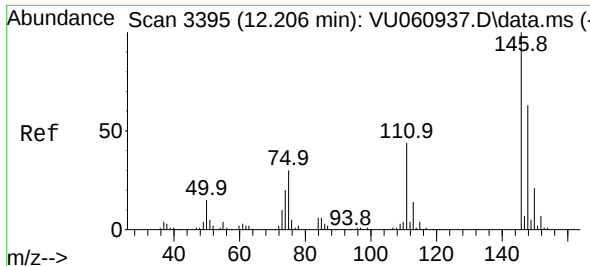
Ion Ratio Lower Upper

146 100

111 39.2 26.3 48.9

148 65.1 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 5.555 ug/L

RT: 12.203 min Scan# 3395

Delta R.T. -0.000 min

Lab File: VU060988.D

Acq: 24 Sep 2024 10:40

Instrument :

MSVOA\_U

ClientSampleId :

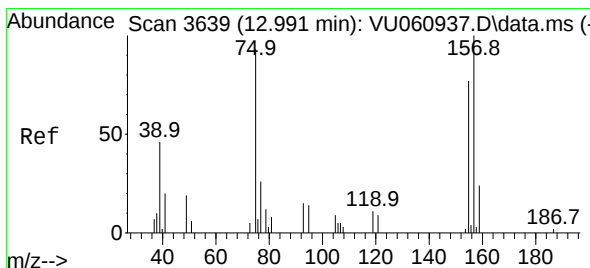
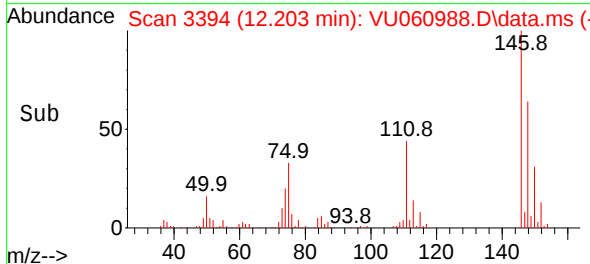
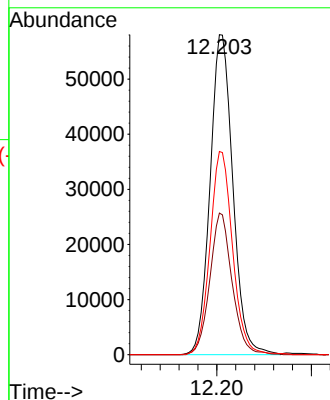
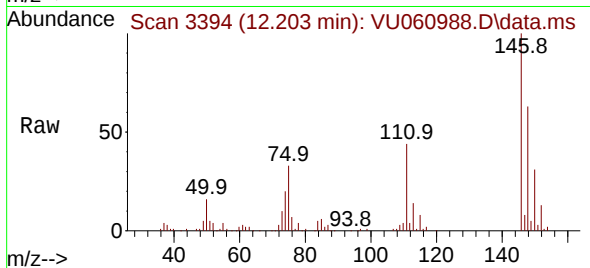
Tgt Ion:146 Resp: 97017

Ion Ratio Lower Upper

146 100

111 44.2 33.4 50.0

148 63.5 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 6.092 ug/L

RT: 12.990 min Scan# 3639

Delta R.T. 0.003 min

Lab File: VU060988.D

Acq: 24 Sep 2024 10:40

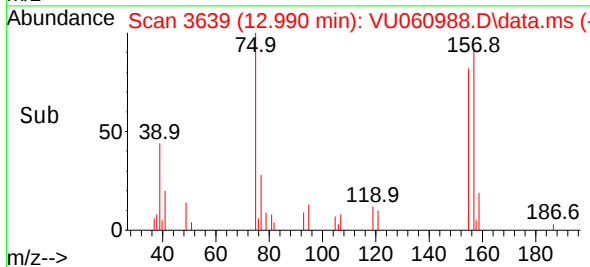
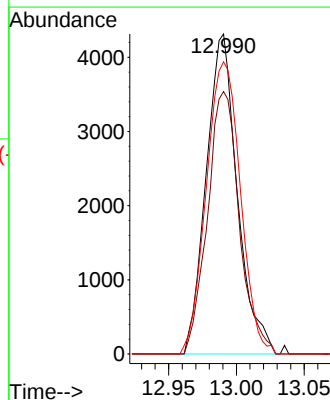
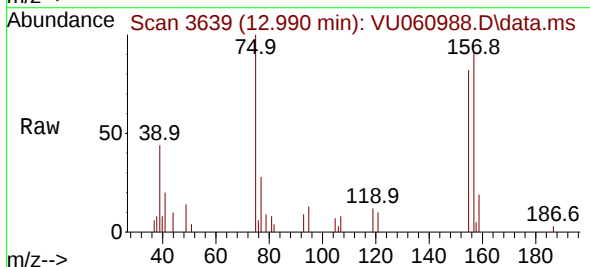
Tgt Ion: 75 Resp: 6877

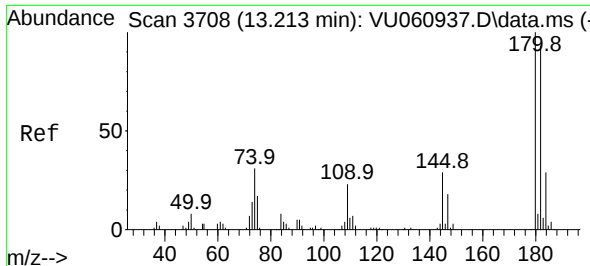
Ion Ratio Lower Upper

75 100

155 82.0 73.1 109.7

157 96.5 91.0 136.4





#69

1,3,5-Trichlorobenzene

Concen: 4.936 ug/L

RT: 13.212 min Scan# 3

Delta R.T. 0.003 min

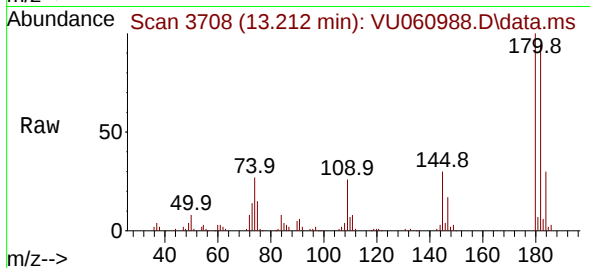
Lab File: VU060988.D

Acq: 24 Sep 2024 10:40

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion:180 Resp: 68199

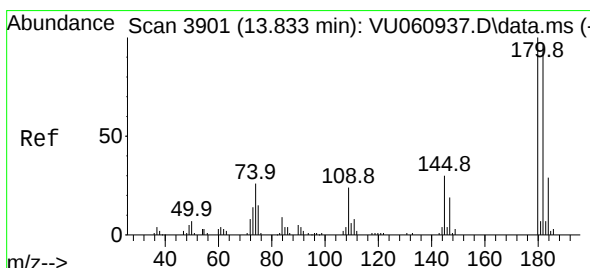
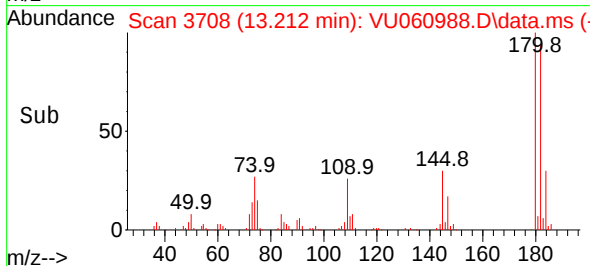
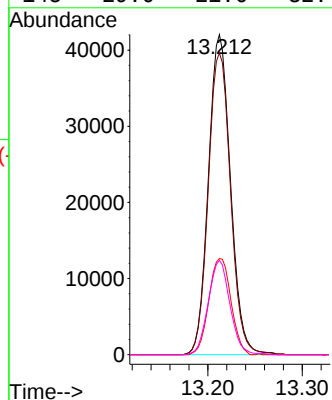
Ion Ratio Lower Upper

180 100

182 95.2 74.5 111.7

184 30.1 23.2 34.8

145 29.0 21.6 32.4



#70

1,2,4-trichlorobenzene

Concen: 4.993 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.000 min

Lab File: VU060988.D

Acq: 24 Sep 2024 10:40

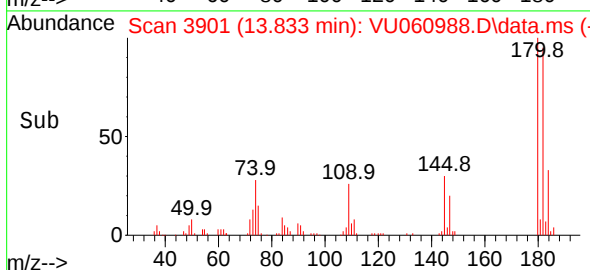
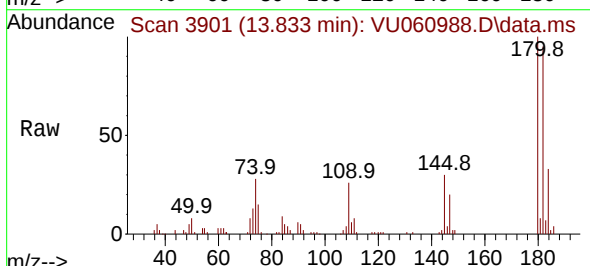
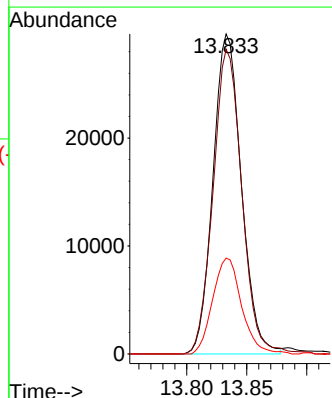
Tgt Ion:180 Resp: 48595

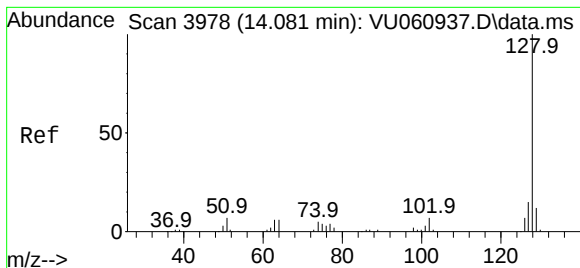
Ion Ratio Lower Upper

180 100

182 96.7 77.4 116.2

145 30.6 22.9 34.3





#71

Naphthalene

Concen: 4.801 ug/L

RT: 14.084 min Scan# 3978

Delta R.T. 0.003 min

Lab File: VU060988.D

Acq: 24 Sep 2024 10:40

Instrument :

MSVOA\_U

ClientSampleId :

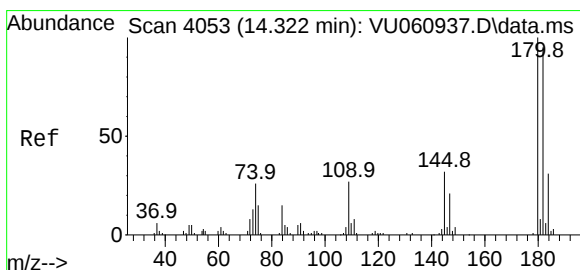
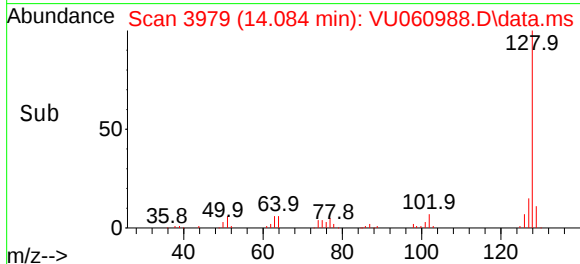
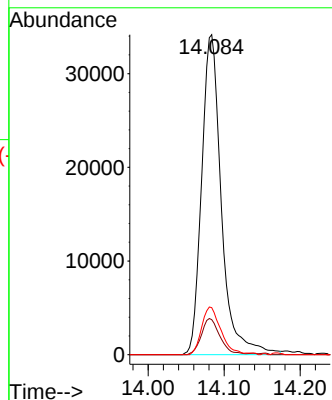
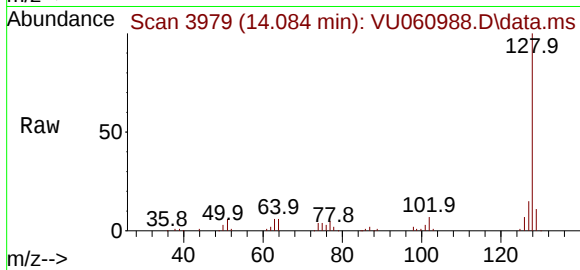
Tgt Ion:128 Resp: 61633

Ion Ratio Lower Upper

128 100

129 10.6 8.3 12.5

127 14.5 10.7 16.1



#72

1,2,3-Trichlorobenzene

Concen: 5.212 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. -0.000 min

Lab File: VU060988.D

Acq: 24 Sep 2024 10:40

Tgt Ion:180 Resp: 43826

Ion Ratio Lower Upper

180 100

182 97.0 75.7 113.5

145 31.0 23.5 35.3

