

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU030824\  
 Data File : VU058025.D  
 Acq On : 08 Mar 2024 18:19  
 Operator : MD/SY  
 Sample : P1636-03MS  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Mar 09 00:15:31 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR022924WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Mar 09 00:10:03 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 141580   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 133580   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 64755    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.592  | 65    | 42413    | 4.164    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 83.200%  |
| 7) Chloroethane-d5            | 1.904  | 69    | 38239    | 4.567    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 91.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 19554    | 4.436    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 88.800%  |
| 20) 2-Butanone-d5             | 4.608  | 46    | 95225    | 56.736   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 113.480% |
| 24) Chloroform-d              | 5.052  | 84    | 96847    | 5.027    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 100.600% |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 44213    | 5.065    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 101.200% |
| 32) Benzene-d6                | 5.718  | 84    | 185179   | 4.757    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 95.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 58177    | 4.916    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 98.400%  |
| 41) Toluene-d8                | 7.891  | 98    | 167495   | 4.749    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 95.000%  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 19353    | 4.756    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 95.200%  |
| 46) 2-Hexanone-d5             | 8.624  | 63    | 81336    | 59.529   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 119.060% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749 | 84    | 40583    | 5.592    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 111.800% |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 54456    | 5.106    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 102.200% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.377  | 85    | 43661    | 5.090    | ug/L   | 99       |
| 3) Chloromethane              | 1.515  | 50    | 50047    | 4.989    | ug/L   | 100      |
| 5) Vinyl chloride             | 1.599  | 62    | 54446    | 5.046    | ug/L   | 100      |
| 6) Bromomethane               | 1.850  | 94    | 25839    | 4.547    | ug/L   | 99       |
| 8) Chloroethane               | 1.927  | 64    | 35268    | 5.191    | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 2.132  | 101   | 80180    | 5.217    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.573  | 101   | 49037    | 5.103    | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.570  | 96    | 43698    | 5.115    | ug/L   | 99       |
| 13) Acetone                   | 2.612  | 43    | 62478    | 50.020   | ug/L   | 100      |
| 14) Carbon disulfide          | 2.785  | 76    | 126622   | 4.794    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.943  | 43    | 14683    | 5.297    | ug/L   | 95       |
| 16) Methylene chloride        | 3.033  | 84    | 50226    | 4.837    | ug/L   | 97       |
| 17) Methyl tert-butyl Ether   | 3.351  | 73    | 106200   | 5.257    | ug/L   | 100      |
| 18) trans-1,2-Dichloroethene  | 3.345  | 96    | 47119    | 5.064    | ug/L   | 96       |
| 19) 1,1-Dichloroethane        | 3.859  | 63    | 99820    | 5.378    | ug/L   | 98       |
| 21) 2-Butanone                | 4.689  | 43    | 98040    | 49.814   | ug/L   | 97       |
| 22) cis-1,2-Dichloroethene    | 4.656  | 96    | 53700    | 5.246    | ug/L   | 94       |
| 23) Bromochloromethane        | 4.965  | 128   | 20382    | 5.362    | ug/L   | 94       |
| 25) Chloroform                | 5.078  | 83    | 99610    | 5.257    | ug/L   | 99       |

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 ALS Vial : 24 Sample Multiplier: 1

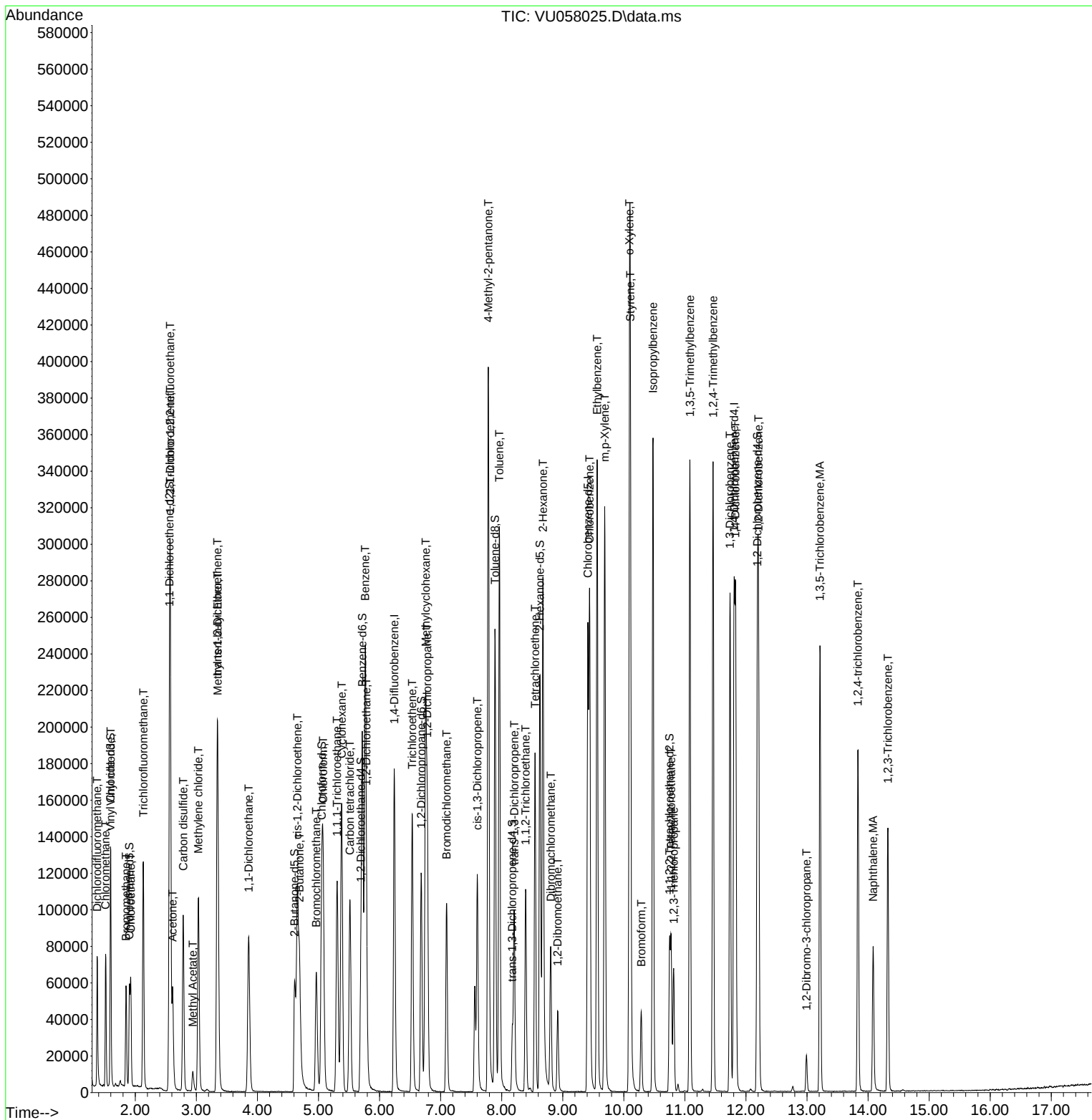
Instrument :  
 MSVOA\_U  
 ClientSampleId :

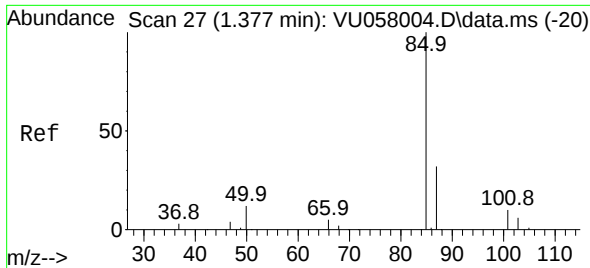
Quant Time: Mar 09 00:15:31 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR022924WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Mar 09 00:10:03 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.785  | 62   | 57479    | 5.479  | ug/L  | 100      |
| 29) 1,1,1-Trichloroethane     | 5.306  | 97   | 85174    | 5.357  | ug/L  | 99       |
| 30) Cyclohexane               | 5.380  | 56   | 78835    | 4.910  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.515  | 117  | 72419    | 5.242  | ug/L  | 98       |
| 33) Benzene                   | 5.766  | 78   | 215587   | 5.259  | ug/L  | 100      |
| 34) Trichloroethene           | 6.534  | 95   | 55572    | 5.153  | ug/L  | 96       |
| 35) Methylcyclohexane         | 6.756  | 83   | 80336    | 4.859  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.782  | 63   | 56474    | 5.343  | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.097  | 83   | 66965    | 5.222  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 7.602  | 75   | 73132    | 5.022  | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone      | 7.782  | 43   | 263275   | 54.145 | ug/L  | 99       |
| 42) Toluene                   | 7.962  | 91   | 223818   | 5.243  | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 8.206  | 75   | 59741    | 5.148  | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 8.393  | 97   | 33932    | 5.414  | ug/L  | 98       |
| 47) Tetrachloroethene         | 8.547  | 164  | 38330    | 5.123  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.676  | 43   | 181438   | 50.882 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.804  | 129  | 40307    | 5.433  | ug/L  | 96       |
| 50) 1,2-Dibromoethane         | 8.917  | 107  | 30878    | 5.552  | ug/L  | 93       |
| 51) Chlorobenzene             | 9.441  | 112  | 138211   | 5.163  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.563  | 91   | 246268   | 5.155  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.688  | 106  | 88985    | 5.214  | ug/L  | 99       |
| 54) o-Xylene                  | 10.094 | 106  | 86731    | 5.099  | ug/L  | 99       |
| 55) Styrene                   | 10.110 | 104  | 141557   | 5.302  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 41094    | 5.566  | ug/L  | 99       |
| 59) Bromoform                 | 10.286 | 173  | 19031    | 5.270  | ug/L  | 97       |
| 60) Isopropylbenzene          | 10.479 | 105  | 227194   | 5.268  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.817 | 75   | 29045    | 5.476  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 188409   | 5.180  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 190808   | 5.315  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.740 | 146  | 103608   | 5.285  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.830 | 146  | 98149    | 5.115  | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 12.206 | 146  | 90758    | 5.303  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.991 | 75   | 5881     | 5.588  | ug/L  | 94       |
| 69) 1,3,5-Trichlorobenzene    | 13.212 | 180  | 70393    | 4.992  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.833 | 180  | 54151    | 5.111  | ug/L  | 97       |
| 71) Naphthalene               | 14.084 | 128  | 67540    | 4.668  | ug/L  | 98       |
| 72) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 42888    | 5.125  | ug/L  | 96       |

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

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QLast Update : Sat Mar 09 00:10:03 2024  
Response via : Initial Calibration

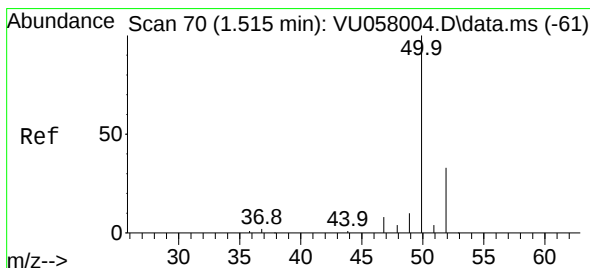
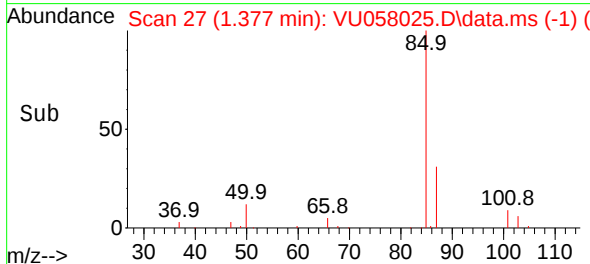
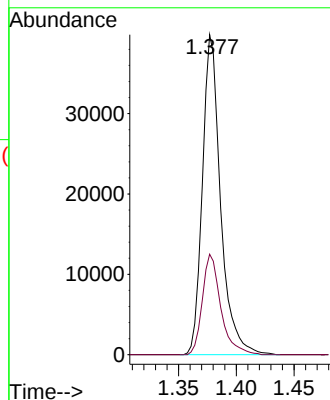
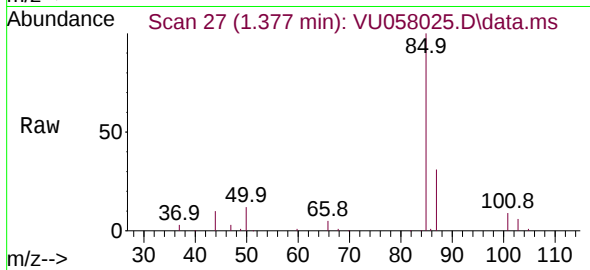




#2  
 Dichlorodifluoromethane  
 Concen: 5.090 ug/L  
 RT: 1.377 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VU058025.D  
 Acq: 08 Mar 2024 18:19

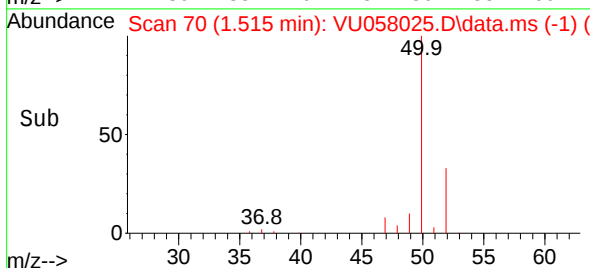
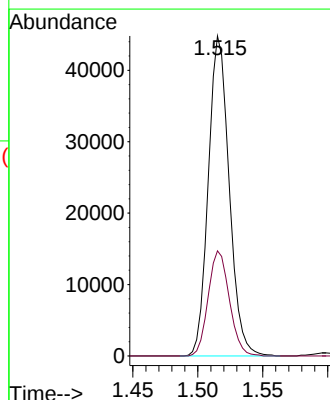
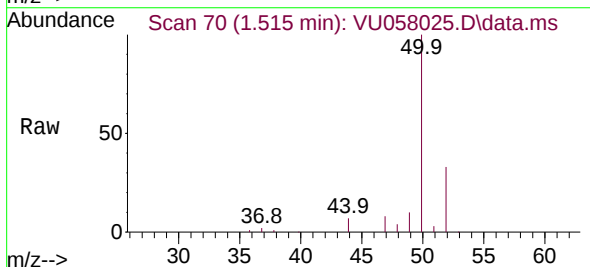
Instrument :  
 MSVOA\_U  
 ClientSampleId :

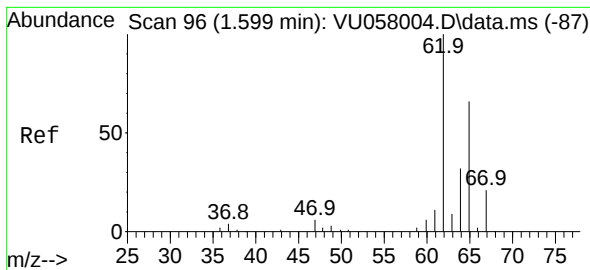
Tgt Ion: 85 Resp: 43661  
 Ion Ratio Lower Upper  
 85 100  
 87 31.9 25.8 38.6



#3  
 Chloromethane  
 Concen: 4.989 ug/L  
 RT: 1.515 min Scan# 70  
 Delta R.T. 0.000 min  
 Lab File: VU058025.D  
 Acq: 08 Mar 2024 18:19

Tgt Ion: 50 Resp: 50047  
 Ion Ratio Lower Upper  
 50 100  
 52 32.9 23.1 42.9





#5

Vinyl chloride

Concen: 5.046 ug/L

RT: 1.599 min Scan# 96

Delta R.T. 0.000 min

Lab File: VU058025.D

Acq: 08 Mar 2024 18:19

Instrument :

MSVOA\_U

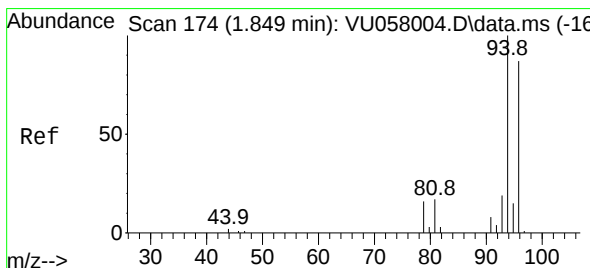
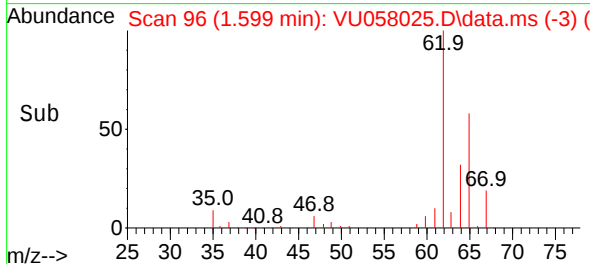
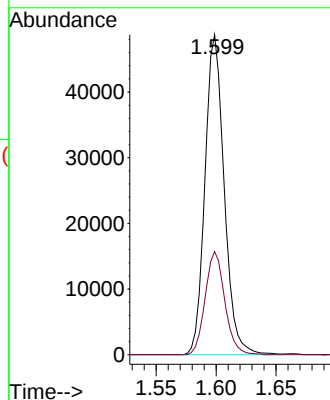
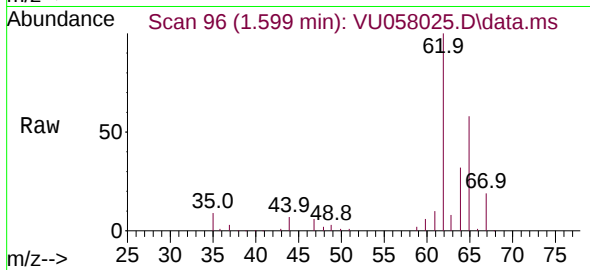
ClientSampleId :

Tgt Ion: 62 Resp: 54446

Ion Ratio Lower Upper

62 100

64 32.2 22.5 41.7



#6

Bromomethane

Concen: 4.547 ug/L

RT: 1.850 min Scan# 174

Delta R.T. 0.000 min

Lab File: VU058025.D

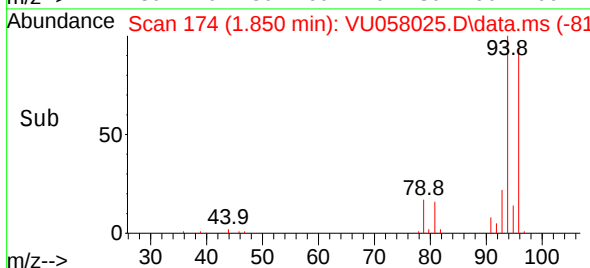
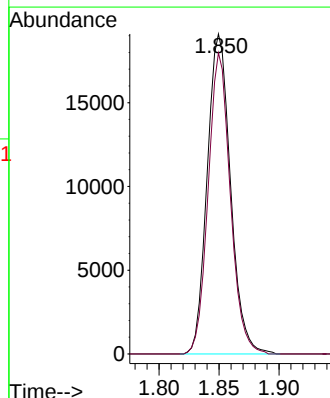
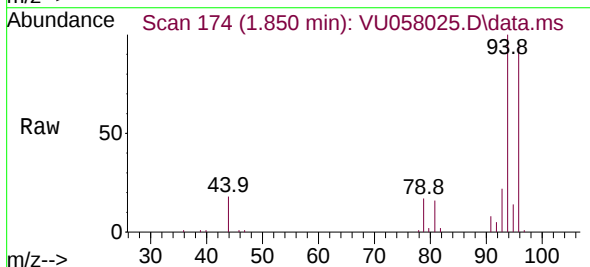
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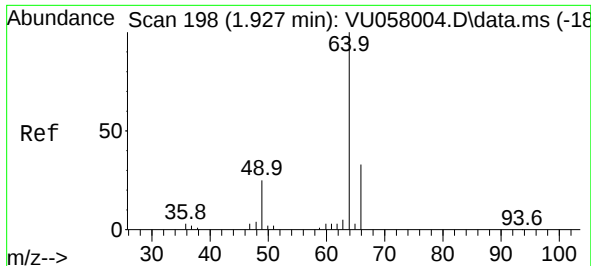
Tgt Ion: 94 Resp: 25839

Ion Ratio Lower Upper

94 100

96 94.1 65.2 121.2

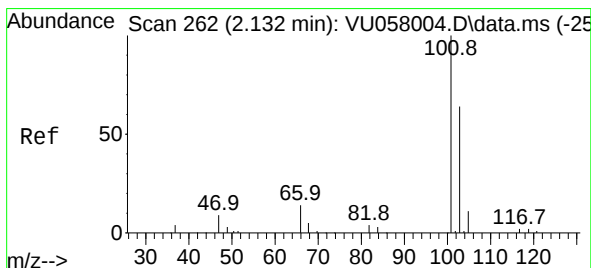
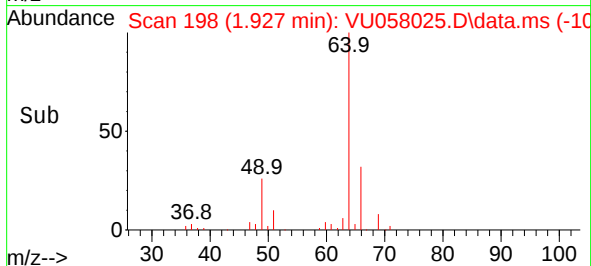
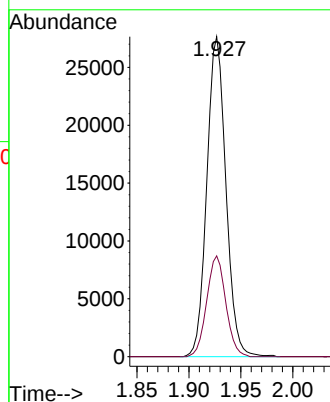
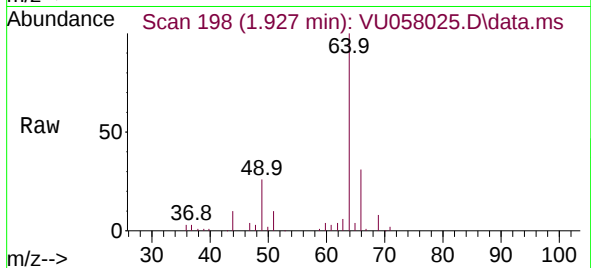




#8  
Chloroethane  
Concen: 5.191 ug/L  
RT: 1.927 min Scan# 198  
Delta R.T. 0.000 min  
Lab File: VU058025.D  
Acq: 08 Mar 2024 18:19

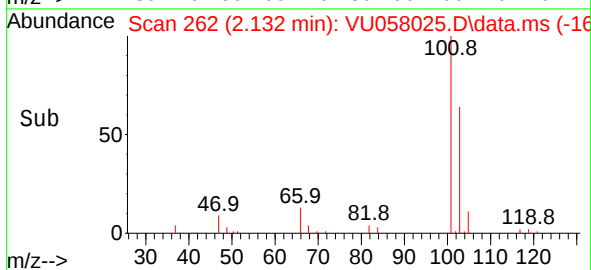
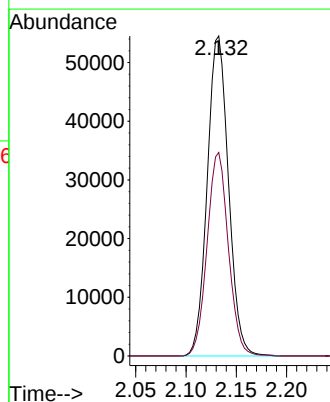
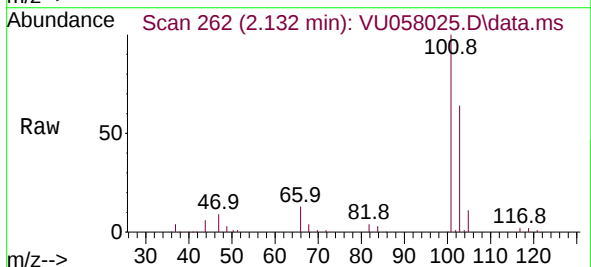
Instrument :  
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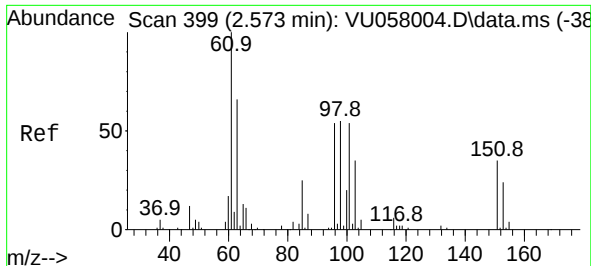
Tgt Ion: 64 Resp: 35268  
Ion Ratio Lower Upper  
64 100  
66 31.5 20.9 38.9



#9  
Trichlorofluoromethane  
Concen: 5.217 ug/L  
RT: 2.132 min Scan# 262  
Delta R.T. 0.000 min  
Lab File: VU058025.D  
Acq: 08 Mar 2024 18:19

Tgt Ion:101 Resp: 80180  
Ion Ratio Lower Upper  
101 100  
103 63.7 51.4 77.2

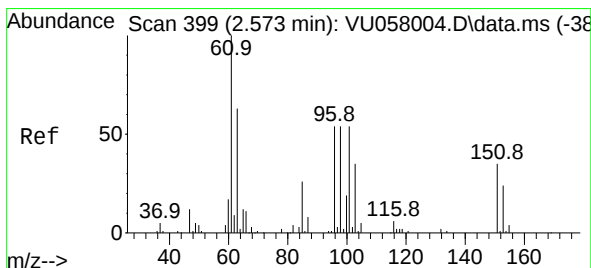
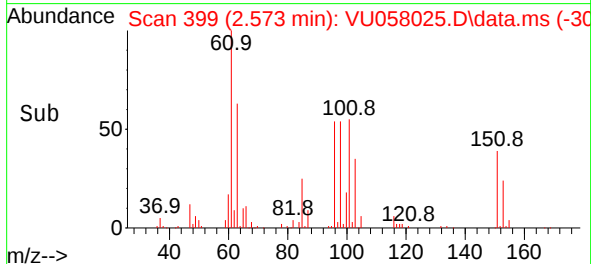
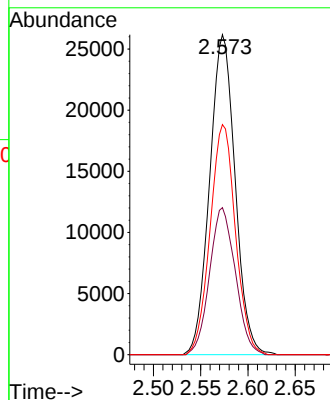
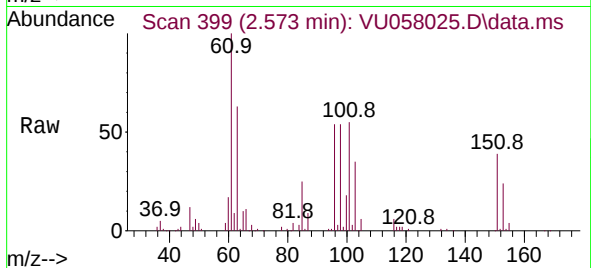




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 5.103 ug/L  
RT: 2.573 min Scan# 399  
Delta R.T. 0.000 min  
Lab File: VU058025.D  
Acq: 08 Mar 2024 18:19

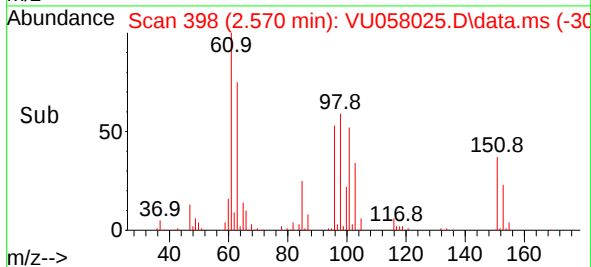
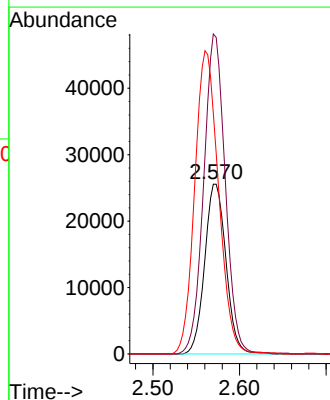
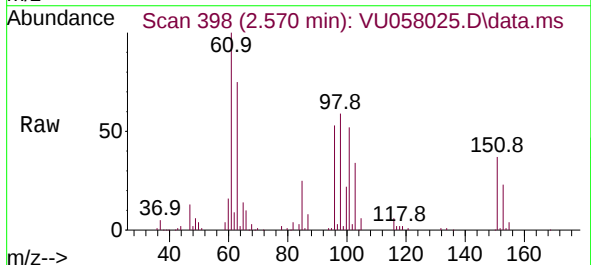
Instrument :  
MSVOA\_U  
ClientSampleId :

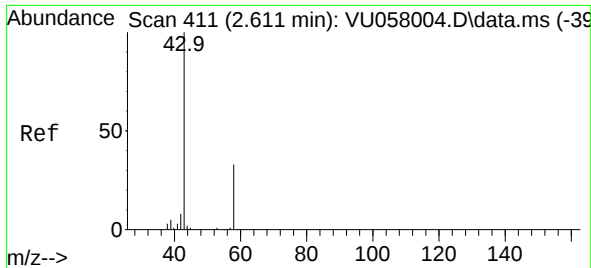
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Ion Ratio Lower Upper  
101 100  
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151 71.6 56.0 84.0



#12  
1,1-Dichloroethene  
Concen: 5.115 ug/L  
RT: 2.570 min Scan# 398  
Delta R.T. -0.003 min  
Lab File: VU058025.D  
Acq: 08 Mar 2024 18:19

Tgt Ion: 96 Resp: 43698  
Ion Ratio Lower Upper  
96 100  
61 188.4 131.8 244.8  
63 141.7 98.1 182.1





#13

Acetone

Concen: 50.020 ug/L

RT: 2.612 min Scan# 411

Delta R.T. 0.000 min

Lab File: VU058025.D

Acq: 08 Mar 2024 18:19

Instrument :

MSVOA\_U

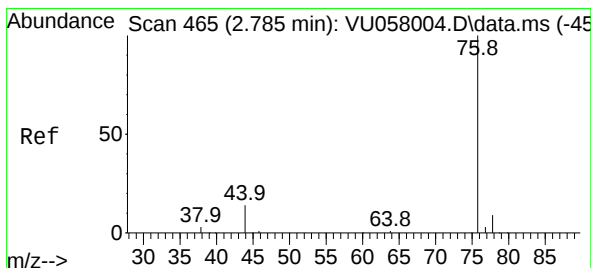
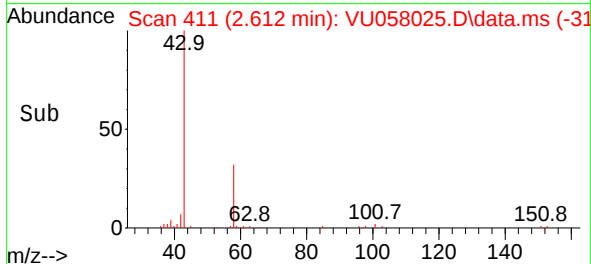
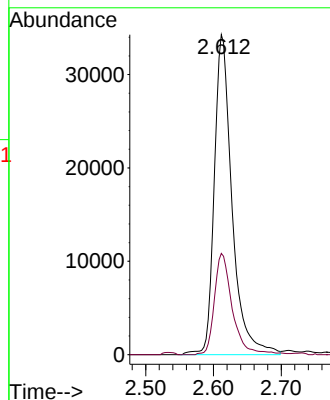
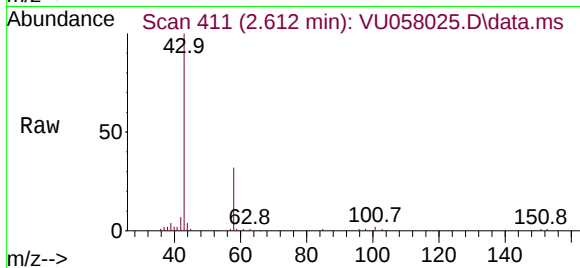
ClientSampleId :

Tgt Ion: 43 Resp: 62478

Ion Ratio Lower Upper

43 100

58 31.8 0.0 63.6



#14

Carbon disulfide

Concen: 4.794 ug/L

RT: 2.785 min Scan# 465

Delta R.T. 0.000 min

Lab File: VU058025.D

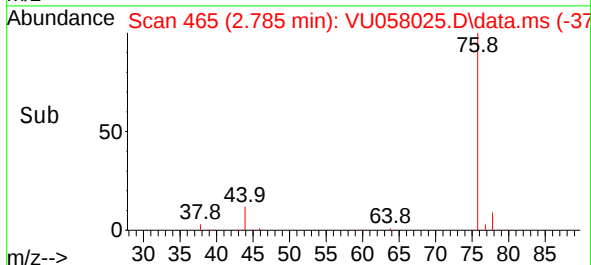
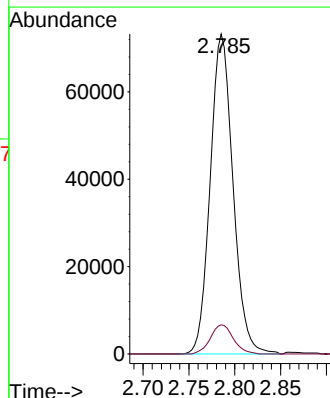
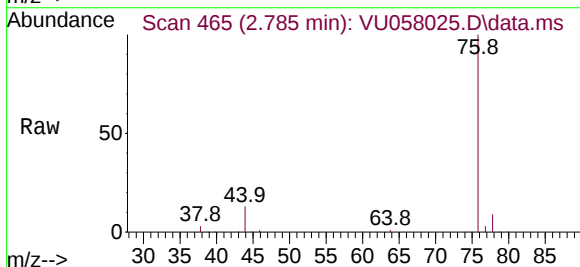
Acq: 08 Mar 2024 18:19

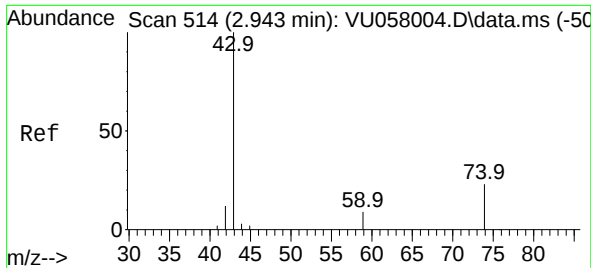
Tgt Ion: 76 Resp: 126622

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

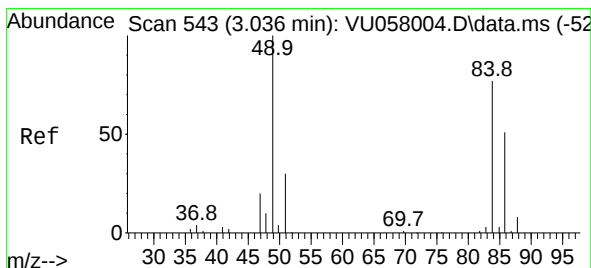
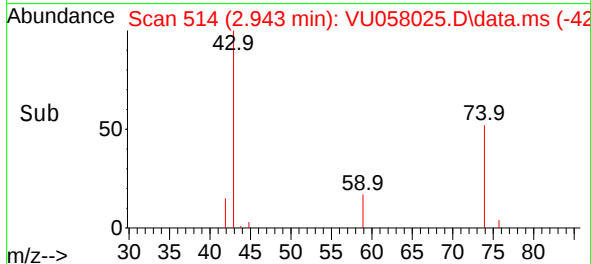
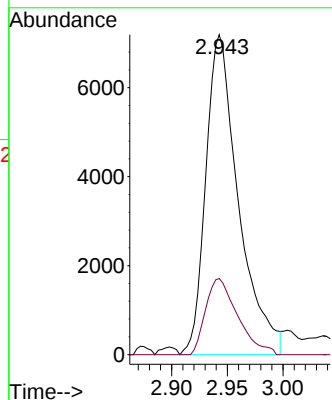
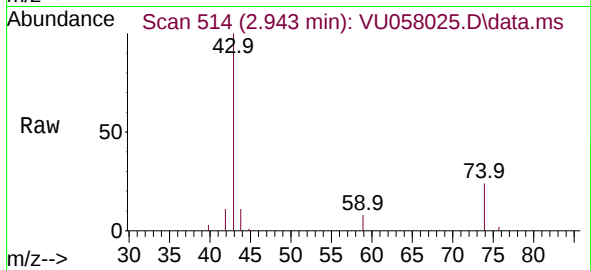




#15  
Methyl Acetate  
Concen: 5.297 ug/L  
RT: 2.943 min Scan# 514  
Delta R.T. 0.000 min  
Lab File: VU058025.D  
Acq: 08 Mar 2024 18:19

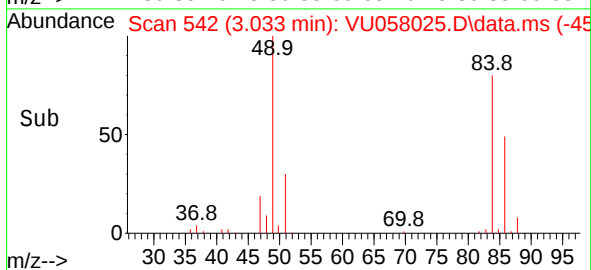
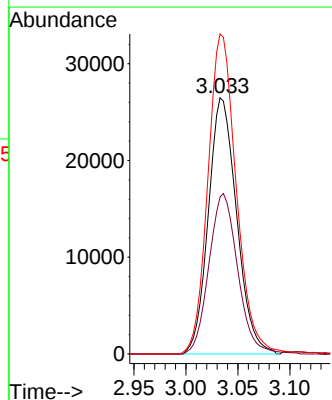
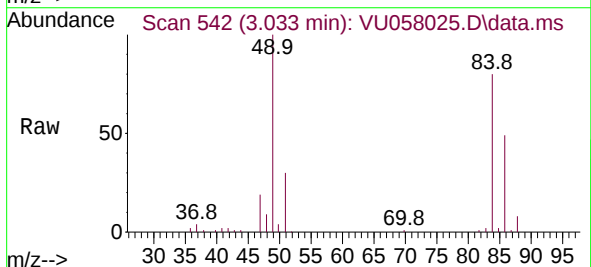
Instrument :  
MSVOA\_U  
ClientSampleId :

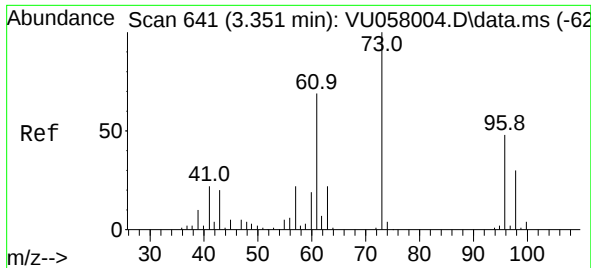
Tgt Ion: 43 Resp: 14683  
Ion Ratio Lower Upper  
43 100  
74 23.3 20.6 31.0



#16  
Methylene chloride  
Concen: 4.837 ug/L  
RT: 3.033 min Scan# 542  
Delta R.T. -0.003 min  
Lab File: VU058025.D  
Acq: 08 Mar 2024 18:19

Tgt Ion: 84 Resp: 50226  
Ion Ratio Lower Upper  
84 100  
86 61.3 44.4 82.4  
49 130.4 88.8 165.0

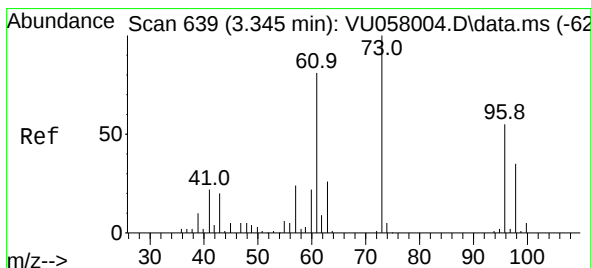
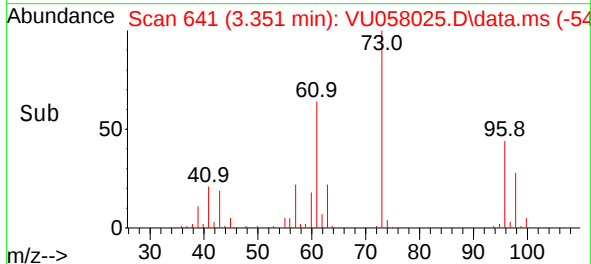
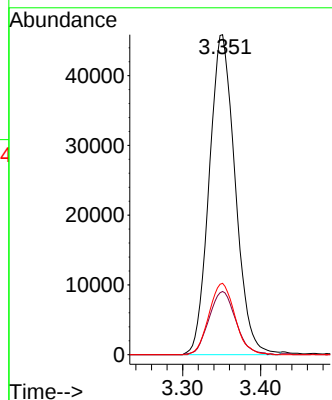
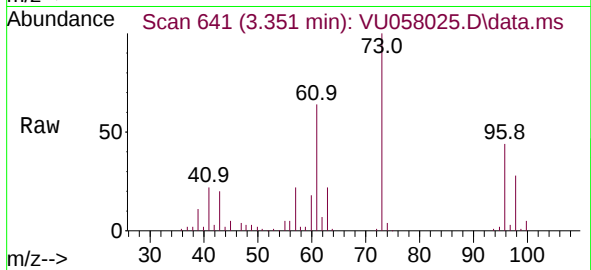




#17  
Methyl tert-butyl Ether  
Concen: 5.257 ug/L  
RT: 3.351 min Scan# 641  
Delta R.T. 0.000 min  
Lab File: VU058025.D  
Acq: 08 Mar 2024 18:19

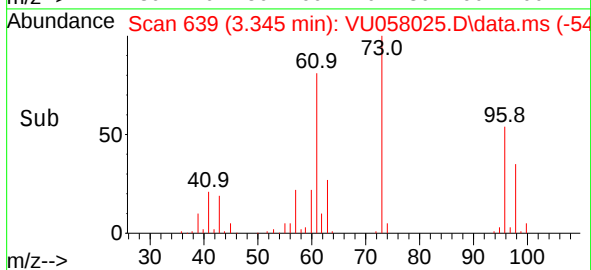
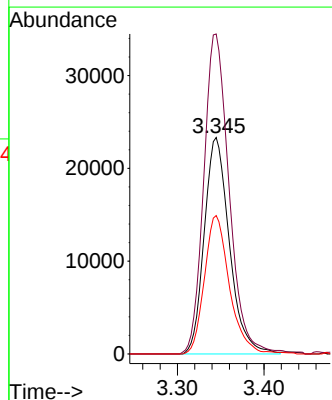
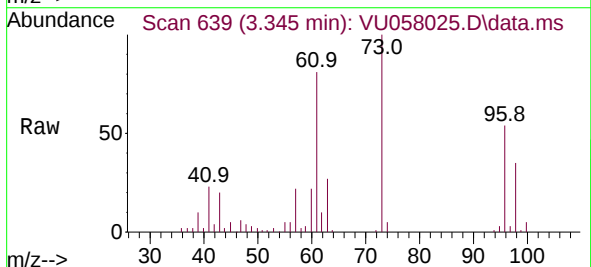
Instrument :  
MSVOA\_U  
ClientSampleId :

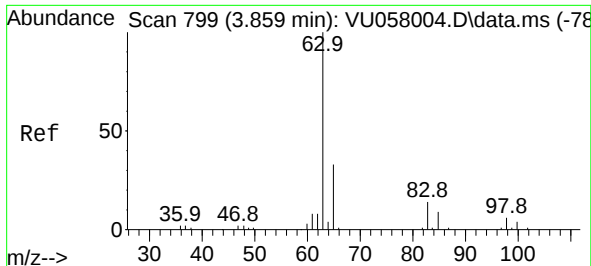
Tgt Ion: 73 Resp: 106200  
Ion Ratio Lower Upper  
73 100  
43 20.5 16.2 24.4  
57 22.2 17.9 26.9



#18  
trans-1,2-Dichloroethene  
Concen: 5.064 ug/L  
RT: 3.345 min Scan# 639  
Delta R.T. 0.000 min  
Lab File: VU058025.D  
Acq: 08 Mar 2024 18:19

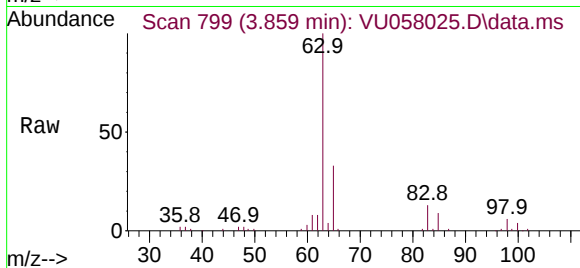
Tgt Ion: 96 Resp: 47119  
Ion Ratio Lower Upper  
96 100  
61 147.8 107.7 199.9  
98 63.9 45.8 85.0



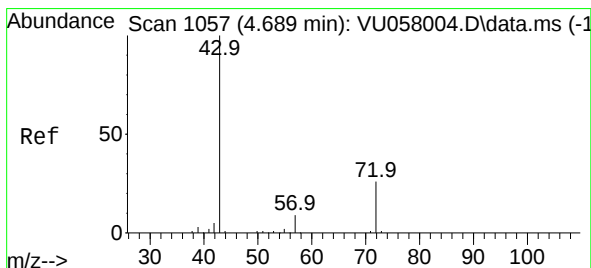
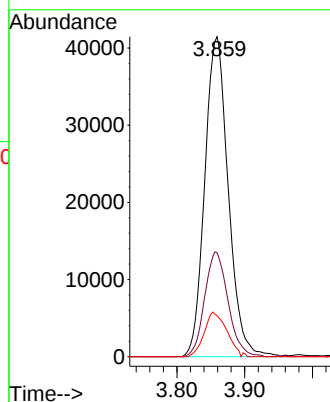
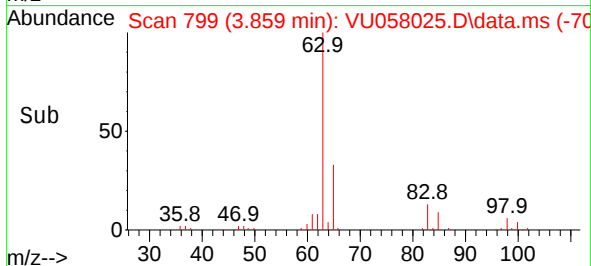


#19  
1,1-Dichloroethane  
Concen: 5.378 ug/L  
RT: 3.859 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VU058025.D  
Acq: 08 Mar 2024 18:19

Instrument :  
MSVOA\_U  
ClientSampleId :

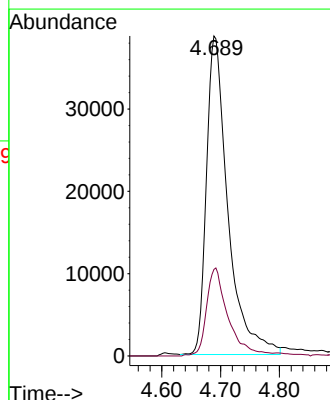
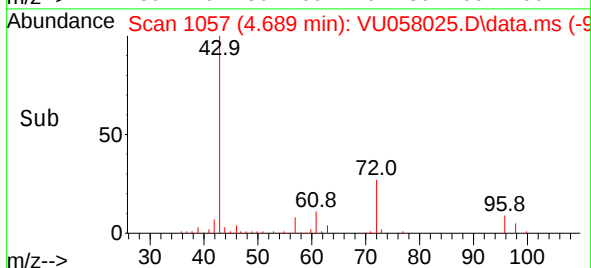
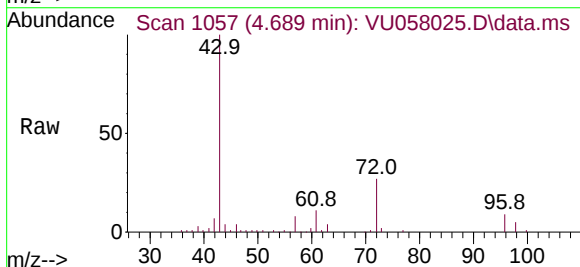


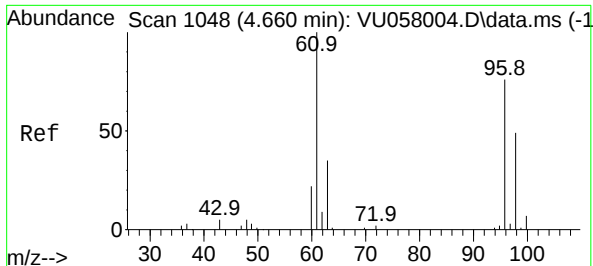
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 63    | Resp: | 99820 |
| Ion Ratio | Lower | Upper |       |
| 63        | 100   |       |       |
| 65        | 33.1  | 22.1  | 41.1  |
| 83        | 12.8  | 9.0   | 16.6  |



#21  
2-Butanone  
Concen: 49.814 ug/L  
RT: 4.689 min Scan# 1057  
Delta R.T. 0.000 min  
Lab File: VU058025.D  
Acq: 08 Mar 2024 18:19

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 98040 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 72        | 27.7  | 13.0  | 39.0  |





#22

cis-1,2-Dichloroethene

Concen: 5.246 ug/L

RT: 4.656 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU058025.D

Acq: 08 Mar 2024 18:19

Instrument :

MSVOA\_U

ClientSampleId :

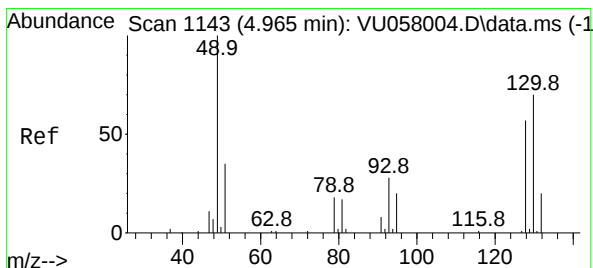
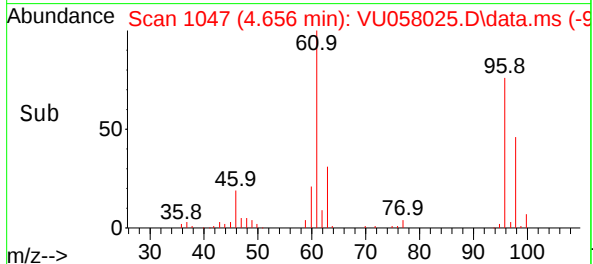
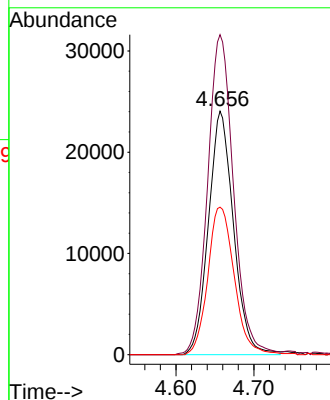
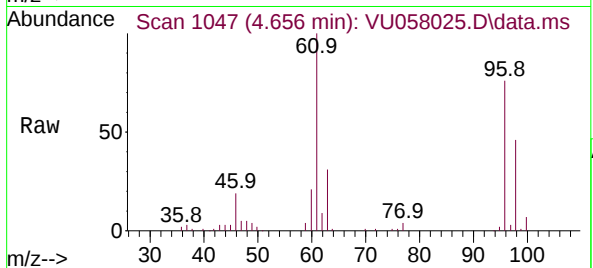
Tgt Ion: 96 Resp: 53700

Ion Ratio Lower Upper

96 100

61 131.4 97.2 180.4

98 60.6 45.5 84.5



#23

Bromochloromethane

Concen: 5.362 ug/L

RT: 4.965 min Scan# 1143

Delta R.T. 0.000 min

Lab File: VU058025.D

Acq: 08 Mar 2024 18:19

Tgt Ion: 128 Resp: 20382

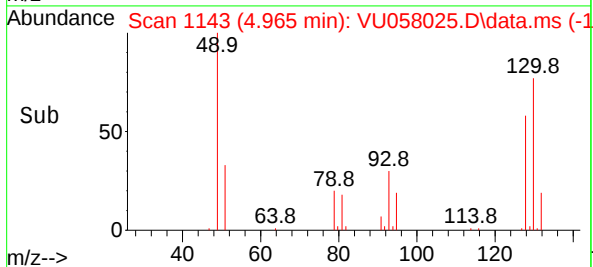
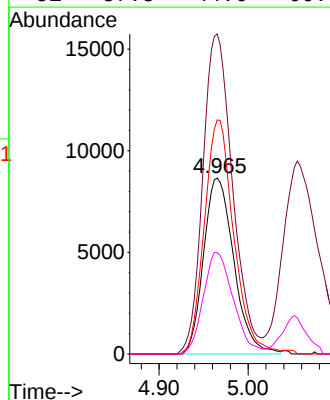
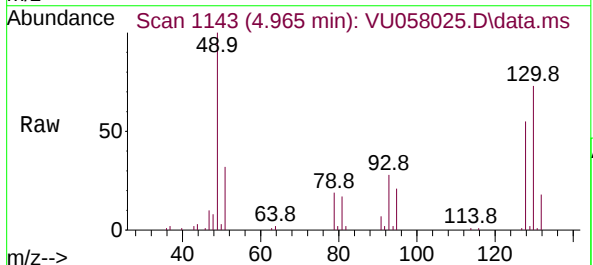
Ion Ratio Lower Upper

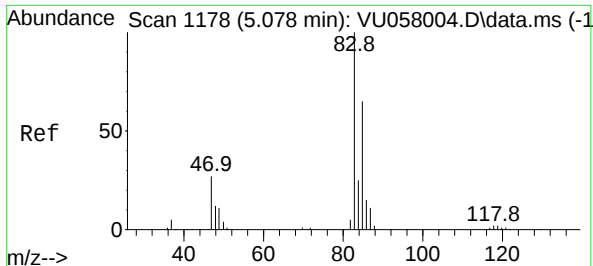
128 100

49 182.0 122.0 226.6

130 133.1 86.6 160.8

51 57.8 44.6 66.8





#25

Chloroform

Concen: 5.257 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. 0.000 min

Lab File: VU058025.D

Acq: 08 Mar 2024 18:19

Instrument :

MSVOA\_U

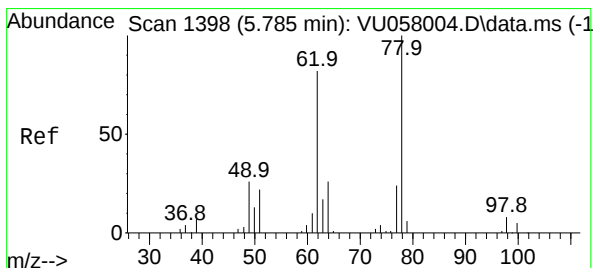
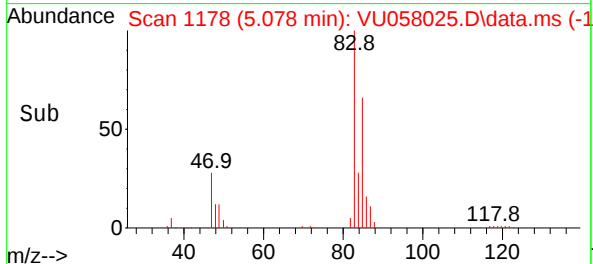
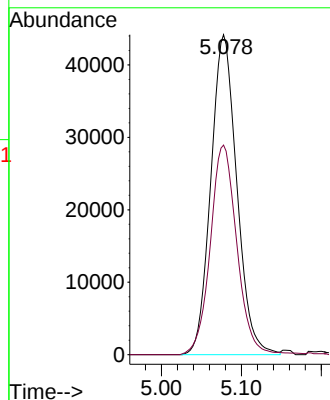
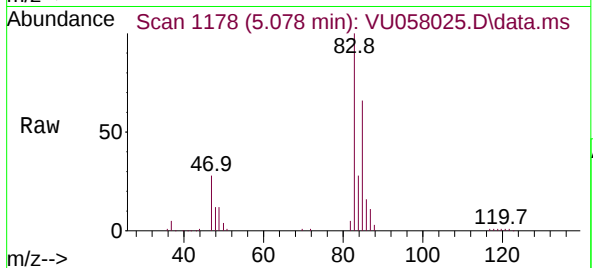
ClientSampleId :

Tgt Ion: 83 Resp: 99610

Ion Ratio Lower Upper

83 100

85 65.5 45.4 84.4



#27

1,2-Dichloroethane

Concen: 5.479 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VU058025.D

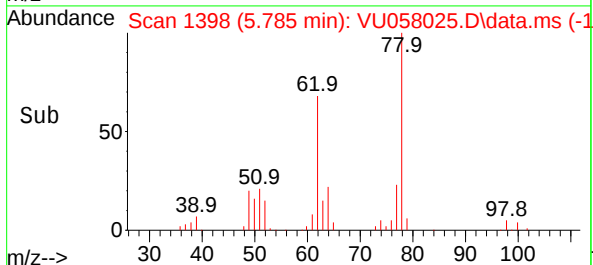
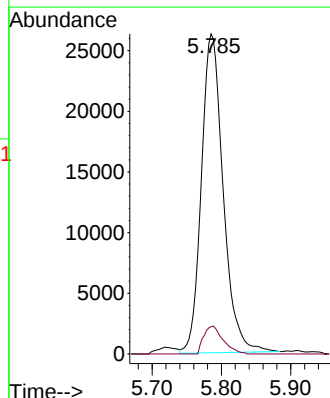
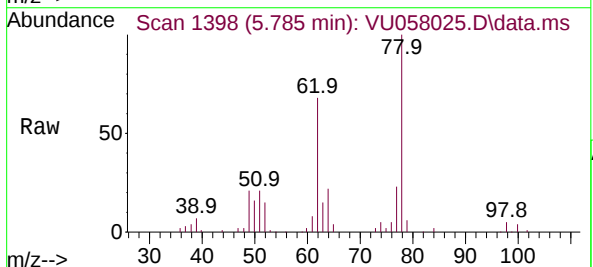
Acq: 08 Mar 2024 18:19

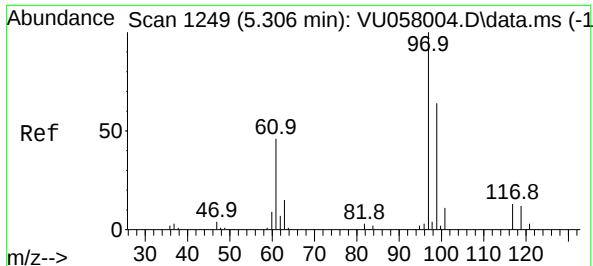
Tgt Ion: 62 Resp: 57479

Ion Ratio Lower Upper

62 100

98 8.5 7.0 10.4

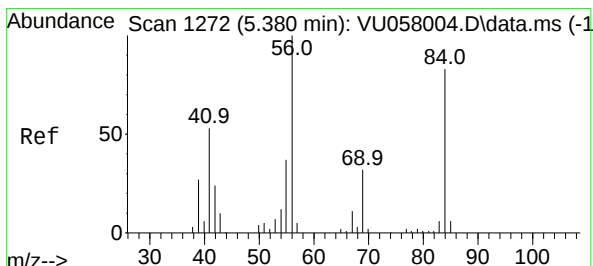
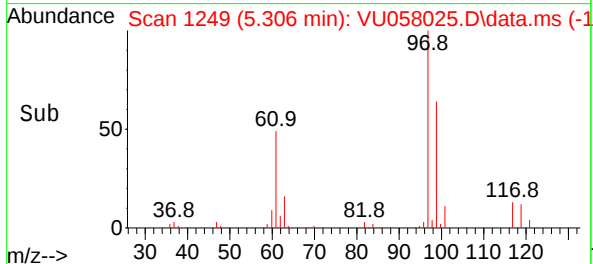
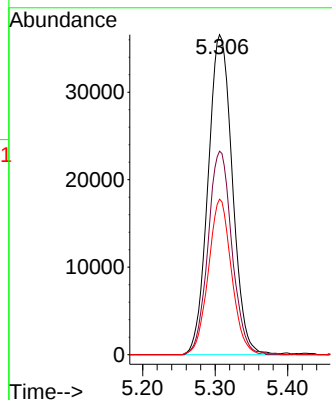
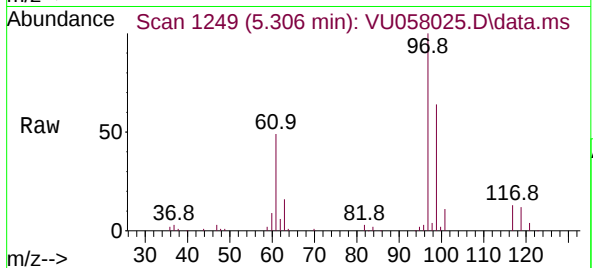




#29  
1,1,1-Trichloroethane  
Concen: 5.357 ug/L  
RT: 5.306 min Scan# 1249  
Delta R.T. 0.000 min  
Lab File: VU058025.D  
Acq: 08 Mar 2024 18:19

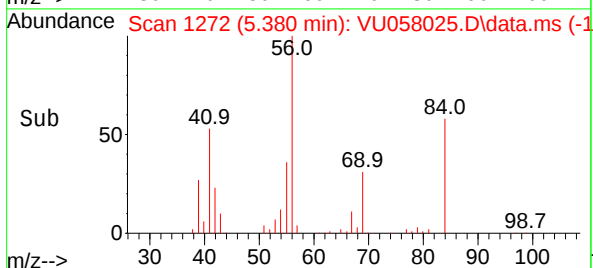
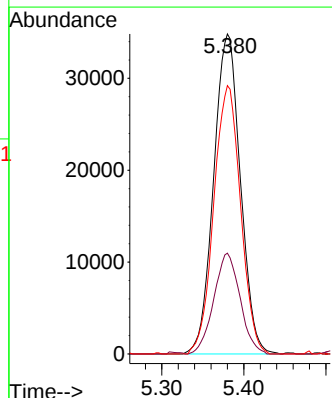
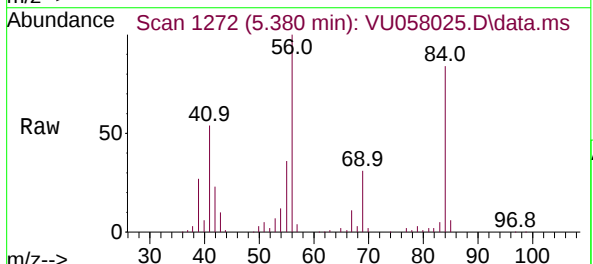
Instrument :  
MSVOA\_U  
ClientSampleId :

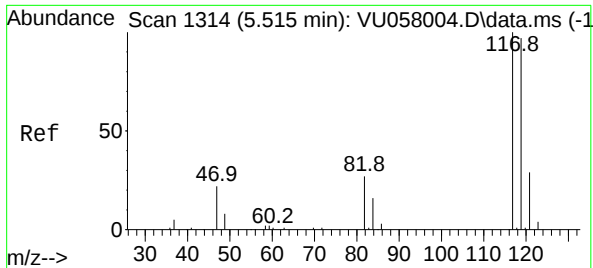
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 85174 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 62.6  | 51.2  | 76.8  |
| 61       | 46.2  | 37.4  | 56.2  |



#30  
Cyclohexane  
Concen: 4.910 ug/L  
RT: 5.380 min Scan# 1272  
Delta R.T. 0.000 min  
Lab File: VU058025.D  
Acq: 08 Mar 2024 18:19

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 78835 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 31.0  | 24.2  | 36.2  |
| 84       | 84.1  | 66.6  | 99.8  |

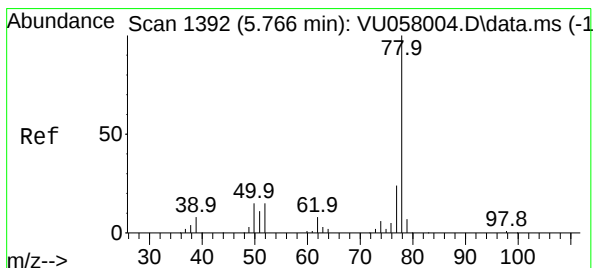
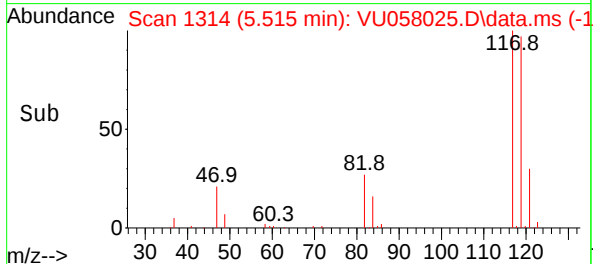
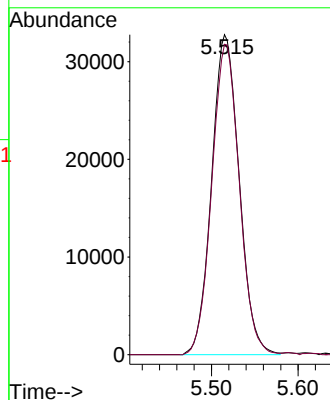
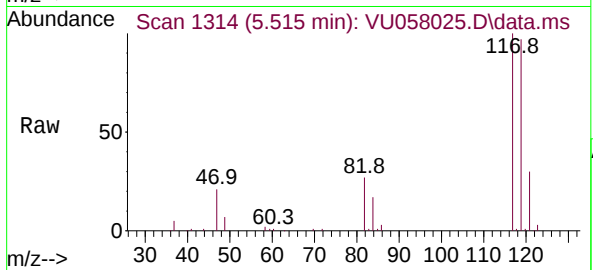




#31  
Carbon tetrachloride  
Concen: 5.242 ug/L  
RT: 5.515 min Scan# 1314  
Delta R.T. 0.000 min  
Lab File: VU058025.D  
Acq: 08 Mar 2024 18:19

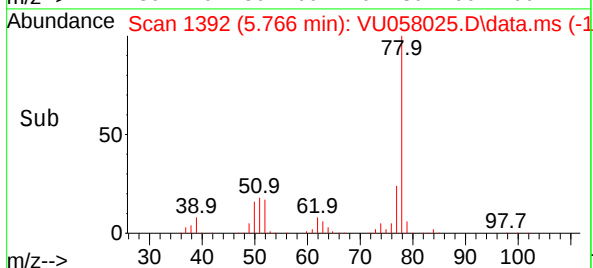
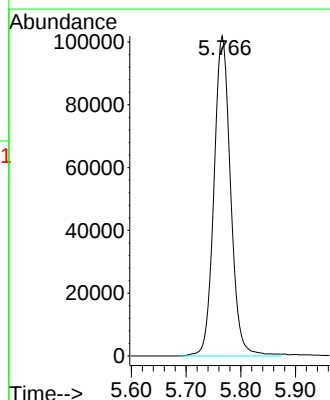
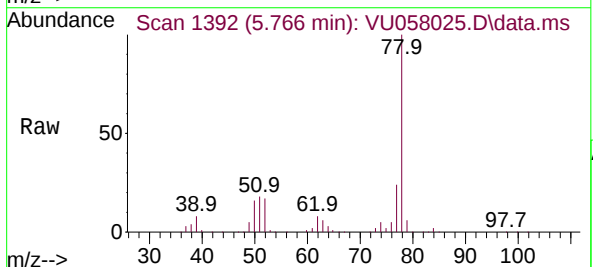
Instrument :  
MSVOA\_U  
ClientSampleId :

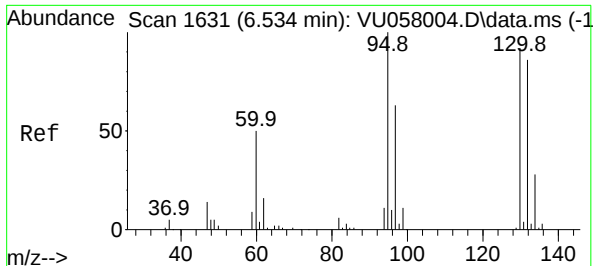
Tgt Ion:117 Resp: 72419  
Ion Ratio Lower Upper  
117 100  
119 96.9 75.8 113.8



#33  
Benzene  
Concen: 5.259 ug/L  
RT: 5.766 min Scan# 1392  
Delta R.T. 0.000 min  
Lab File: VU058025.D  
Acq: 08 Mar 2024 18:19

Tgt Ion: 78 Resp: 215587

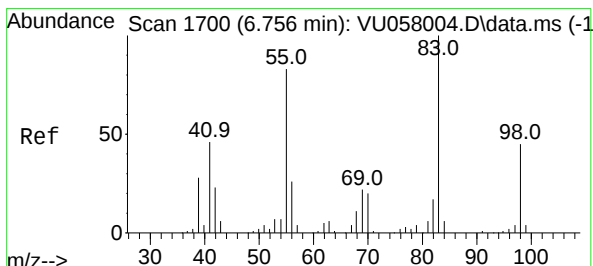
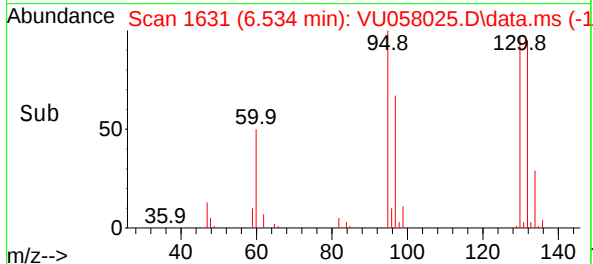
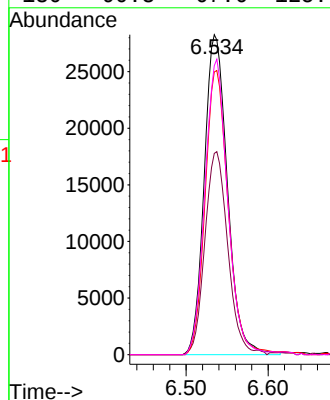
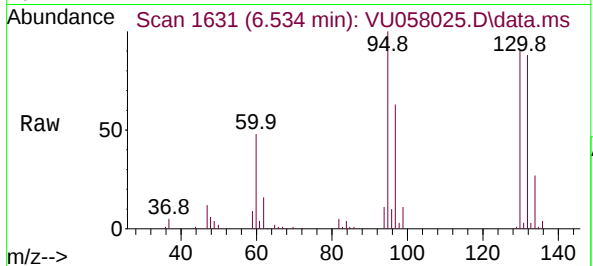




#34  
Trichloroethene  
Concen: 5.153 ug/L  
RT: 6.534 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VU058025.D  
Acq: 08 Mar 2024 18:19

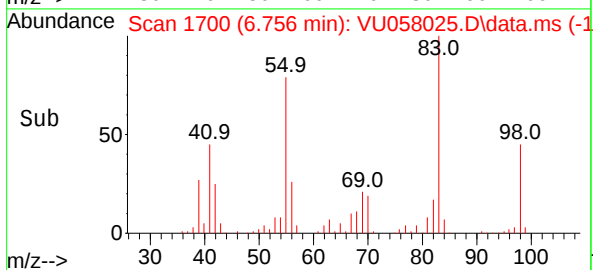
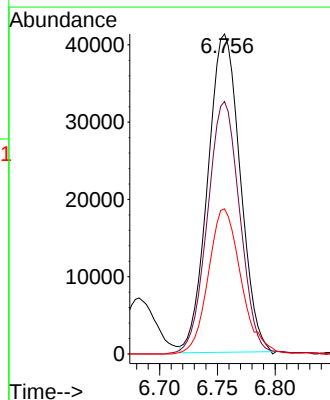
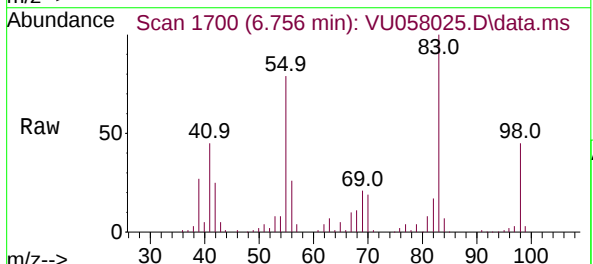
Instrument :  
MSVOA\_U  
ClientSampleId :

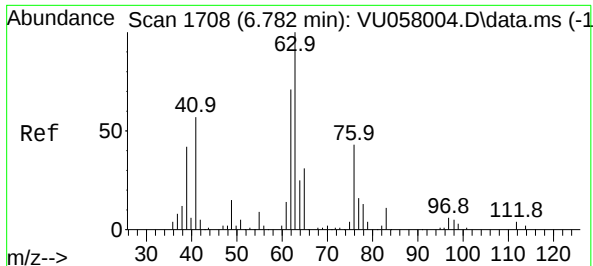
Tgt Ion: 95 Resp: 55572  
Ion Ratio Lower Upper  
95 100  
97 62.9 45.3 84.1  
132 88.3 63.1 117.1  
130 90.3 67.6 125.6



#35  
Methylcyclohexane  
Concen: 4.859 ug/L  
RT: 6.756 min Scan# 1700  
Delta R.T. 0.000 min  
Lab File: VU058025.D  
Acq: 08 Mar 2024 18:19

Tgt Ion: 83 Resp: 80336  
Ion Ratio Lower Upper  
83 100  
55 79.6 63.0 94.6  
98 46.0 36.2 54.4

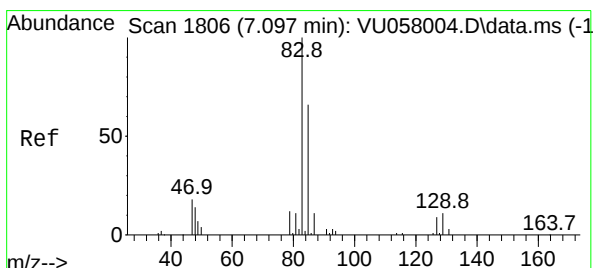
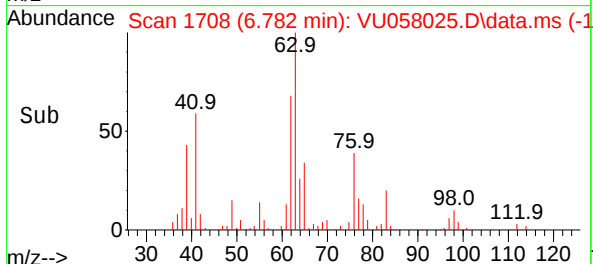
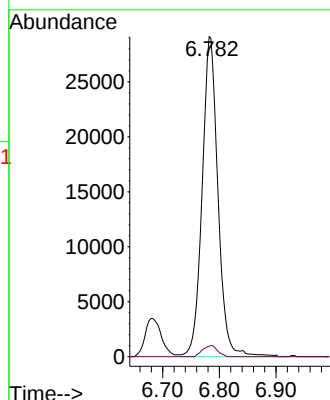
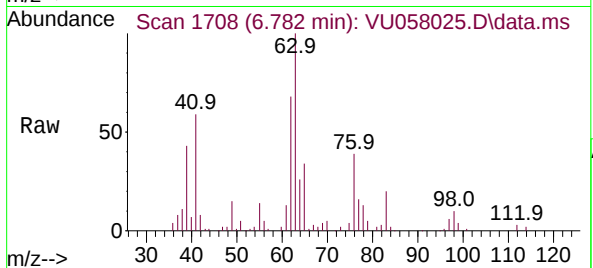




#37  
1,2-Dichloropropane  
Concen: 5.343 ug/L  
RT: 6.782 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU058025.D  
Acq: 08 Mar 2024 18:19

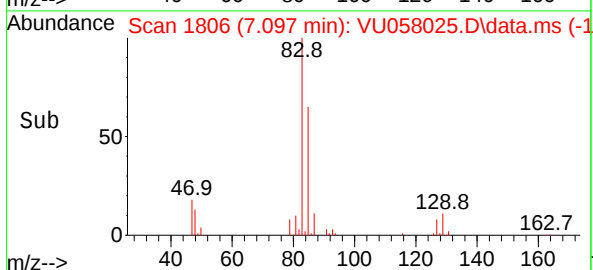
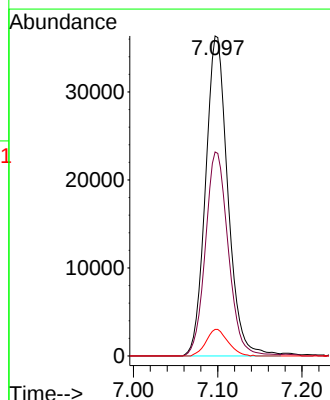
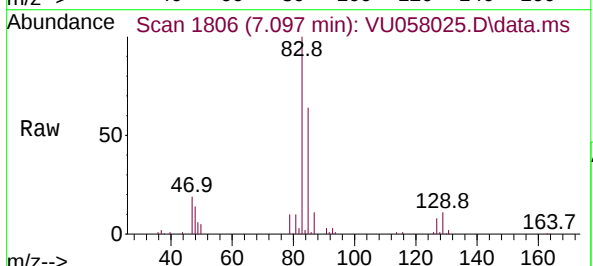
Instrument :  
MSVOA\_U  
ClientSampleId :

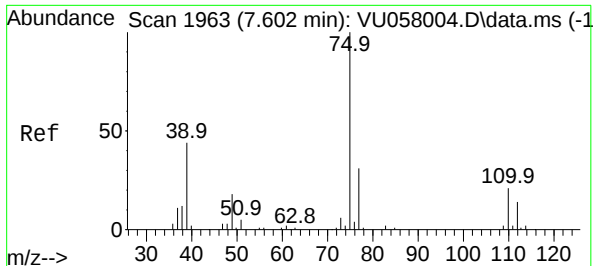
Tgt Ion: 63 Resp: 56474  
Ion Ratio Lower Upper  
63 100  
112 3.3 3.0 4.4



#38  
Bromodichloromethane  
Concen: 5.222 ug/L  
RT: 7.097 min Scan# 1806  
Delta R.T. 0.000 min  
Lab File: VU058025.D  
Acq: 08 Mar 2024 18:19

Tgt Ion: 83 Resp: 66965  
Ion Ratio Lower Upper  
83 100  
85 63.7 44.5 82.7  
127 8.3 6.6 9.8

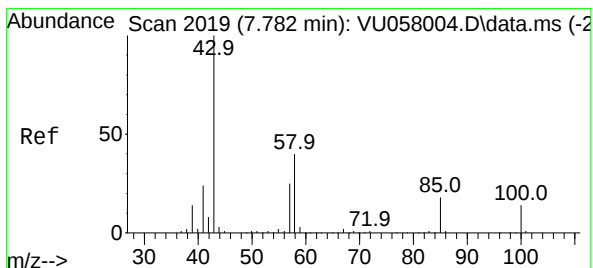
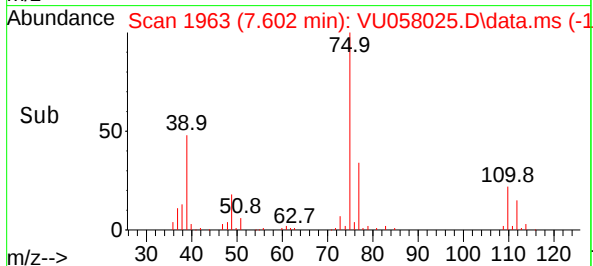
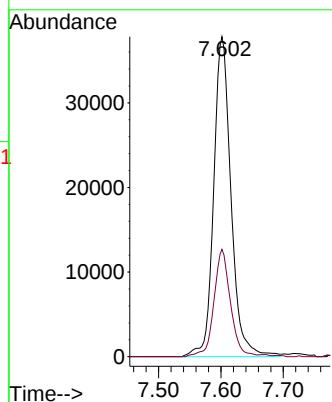
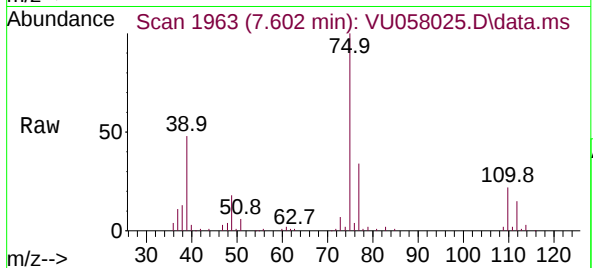




#39  
 cis-1,3-Dichloropropene  
 Concen: 5.022 ug/L  
 RT: 7.602 min Scan# 1963  
 Delta R.T. 0.000 min  
 Lab File: VU058025.D  
 Acq: 08 Mar 2024 18:19

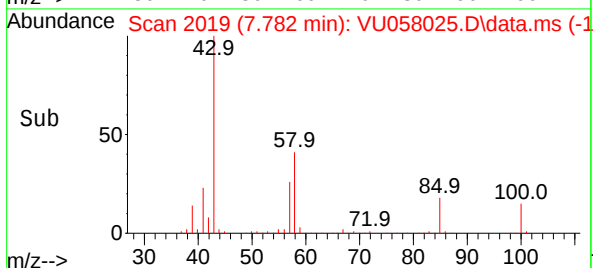
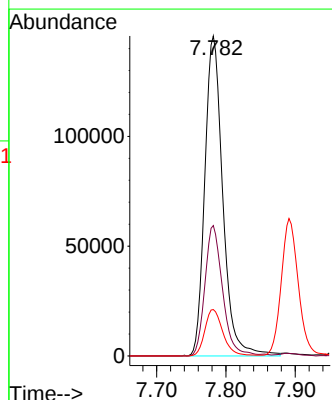
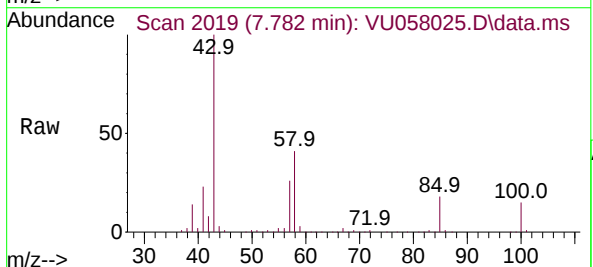
Instrument :  
 MSVOA\_U  
 ClientSampleId :

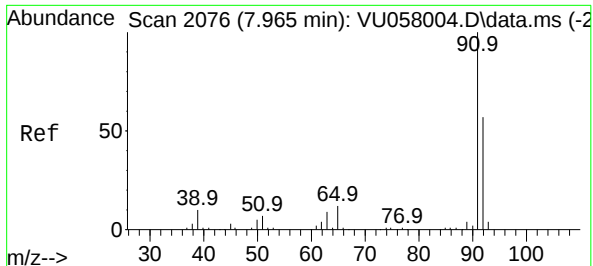
Tgt Ion: 75 Resp: 73132  
 Ion Ratio Lower Upper  
 75 100  
 77 33.5 22.3 41.5



#40  
 4-Methyl-2-pentanone  
 Concen: 54.145 ug/L  
 RT: 7.782 min Scan# 2019  
 Delta R.T. 0.000 min  
 Lab File: VU058025.D  
 Acq: 08 Mar 2024 18:19

Tgt Ion: 43 Resp: 263275  
 Ion Ratio Lower Upper  
 43 100  
 58 39.8 31.7 47.5  
 100 14.6 11.3 16.9





#42

Toluene

Concen: 5.243 ug/L

RT: 7.962 min Scan# 2076

Delta R.T. -0.003 min

Lab File: VU058025.D

Acq: 08 Mar 2024 18:19

Instrument :

MSVOA\_U

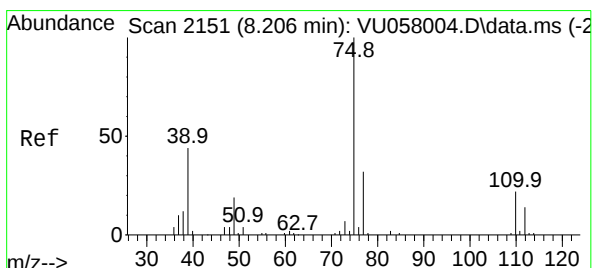
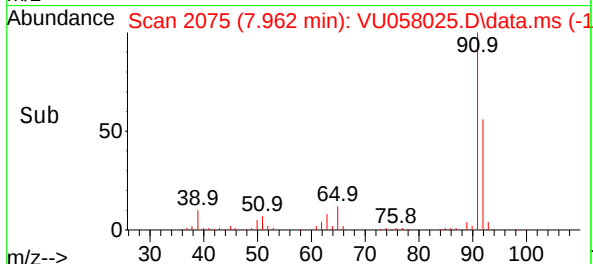
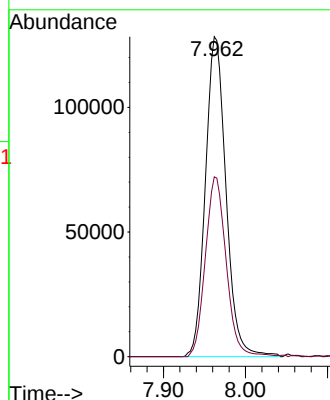
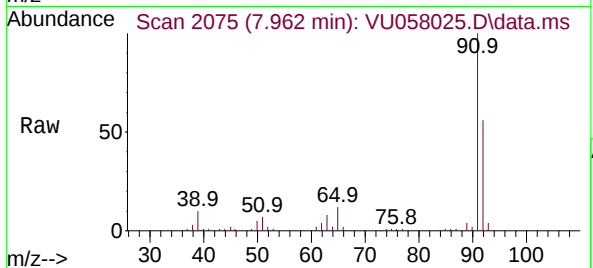
ClientSampleId :

Tgt Ion: 91 Resp: 223818

Ion Ratio Lower Upper

91 100

92 56.2 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 5.148 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU058025.D

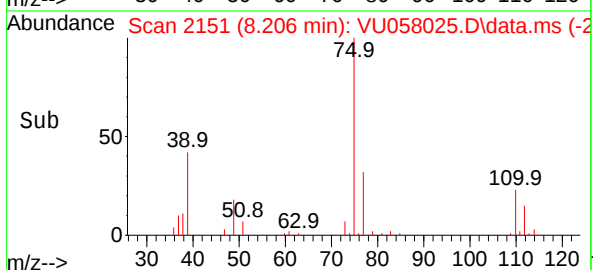
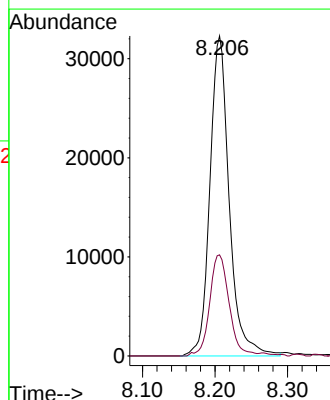
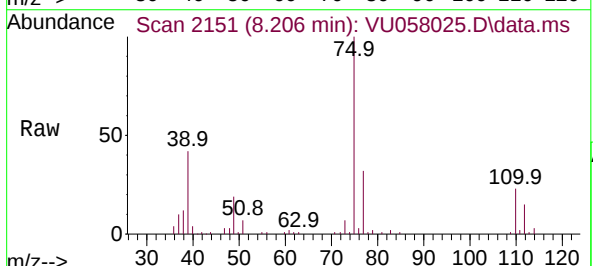
Acq: 08 Mar 2024 18:19

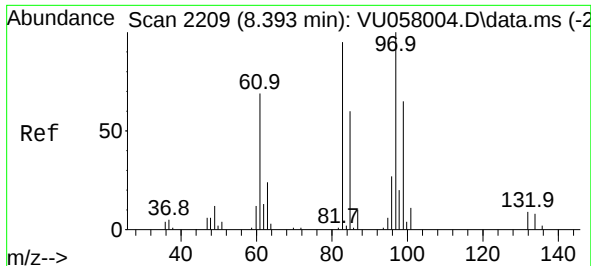
Tgt Ion: 75 Resp: 59741

Ion Ratio Lower Upper

75 100

77 31.6 23.1 42.9

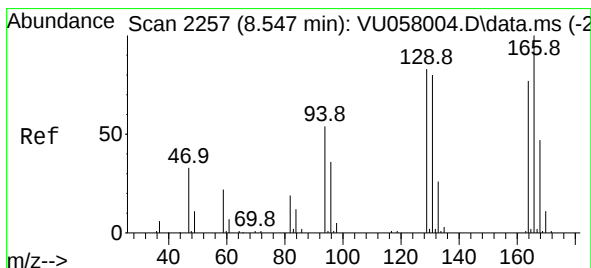
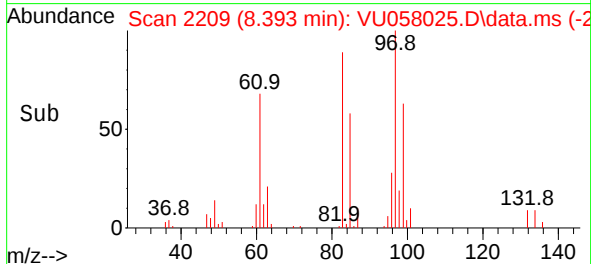
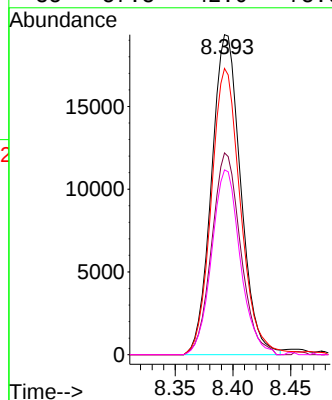
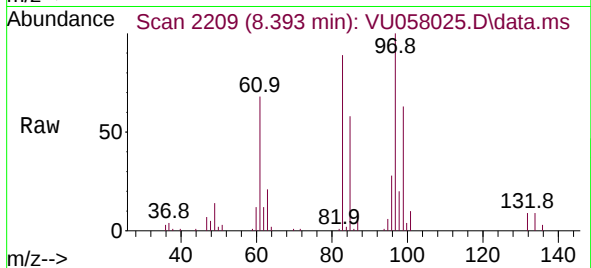




#45  
1,1,2-Trichloroethane  
Concen: 5.414 ug/L  
RT: 8.393 min Scan# 2209  
Delta R.T. 0.000 min  
Lab File: VU058025.D  
Acq: 08 Mar 2024 18:19

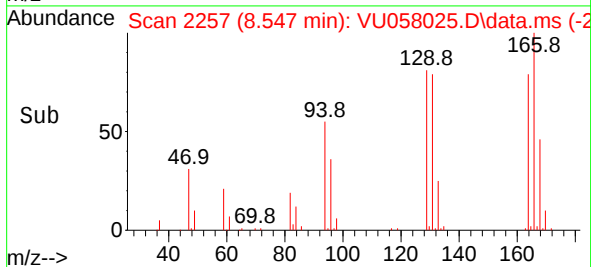
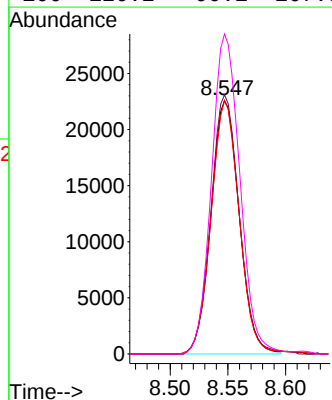
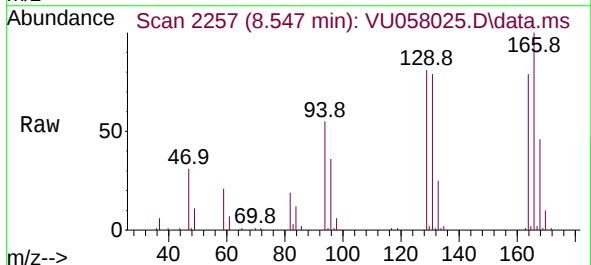
Instrument :  
MSVOA\_U  
ClientSampleId :

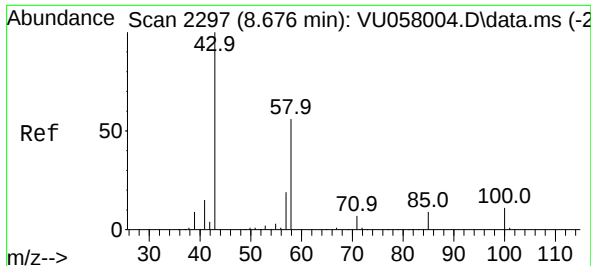
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 33932 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 63.0  | 44.2  | 82.2  |
| 83       | 89.4  | 64.2  | 119.2 |
| 85       | 57.8  | 42.0  | 78.0  |



#47  
Tetrachloroethene  
Concen: 5.123 ug/L  
RT: 8.547 min Scan# 2257  
Delta R.T. 0.000 min  
Lab File: VU058025.D  
Acq: 08 Mar 2024 18:19

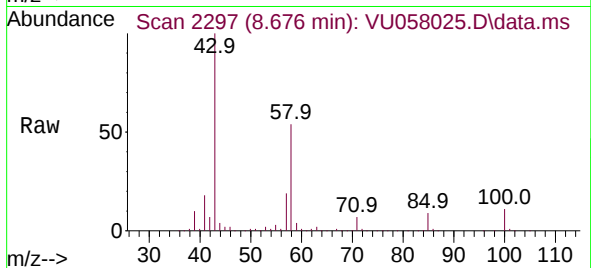
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 38330 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 102.2 | 69.3  | 128.7 |
| 131      | 99.8  | 69.9  | 129.9 |
| 166      | 126.2 | 90.1  | 167.3 |



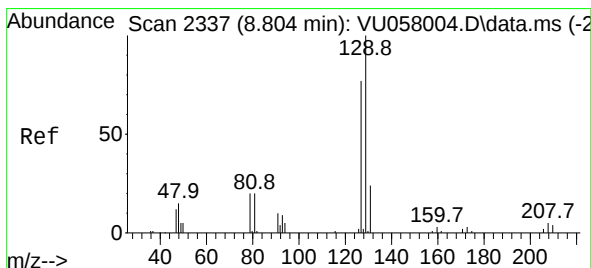
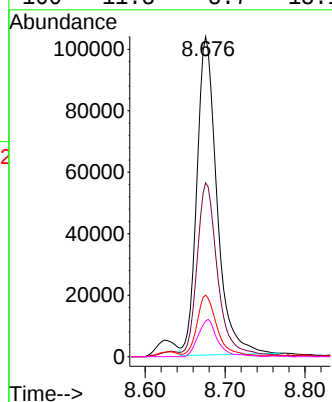
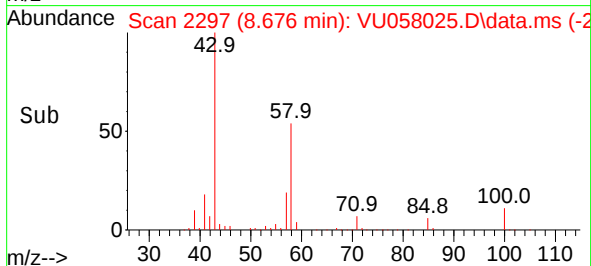


#48  
2-Hexanone  
Concen: 50.882 ug/L  
RT: 8.676 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU058025.D  
Acq: 08 Mar 2024 18:19

Instrument :  
MSVOA\_U  
ClientSampleId :

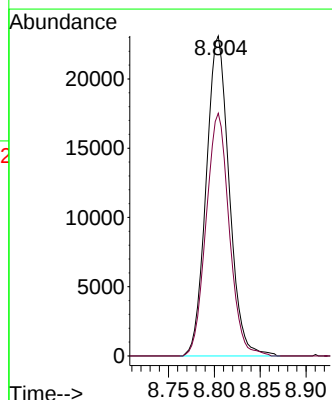
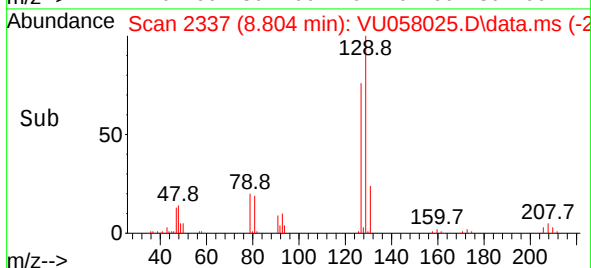
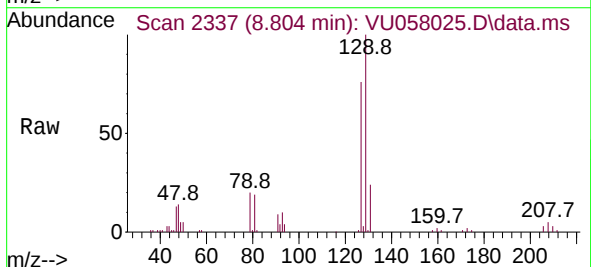


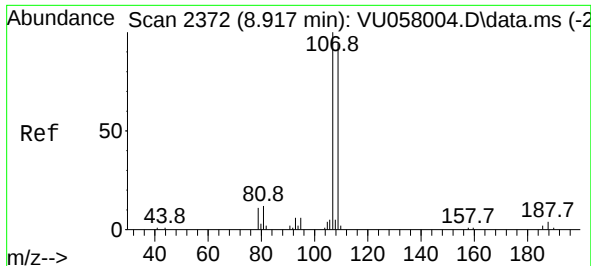
Tgt Ion: 43 Resp: 181438  
Ion Ratio Lower Upper  
43 100  
58 55.6 43.3 64.9  
57 19.1 15.2 22.8  
100 11.3 8.7 13.1



#49  
Dibromochloromethane  
Concen: 5.433 ug/L  
RT: 8.804 min Scan# 2337  
Delta R.T. 0.000 min  
Lab File: VU058025.D  
Acq: 08 Mar 2024 18:19

Tgt Ion: 129 Resp: 40307  
Ion Ratio Lower Upper  
129 100  
127 75.8 55.2 102.6

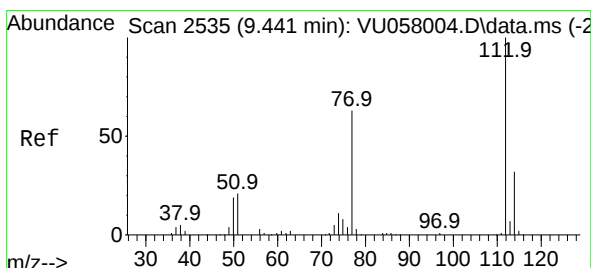
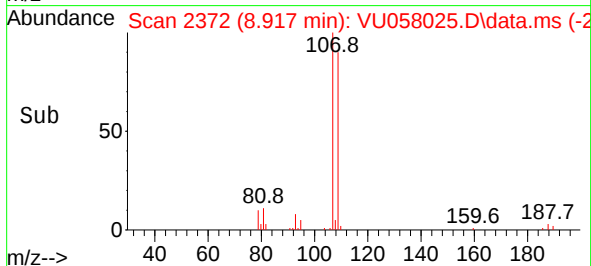
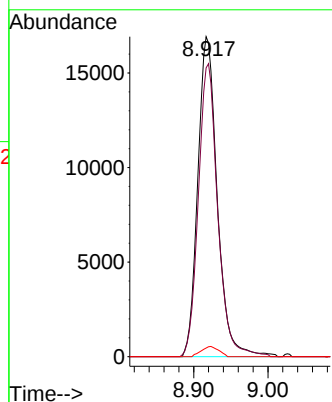
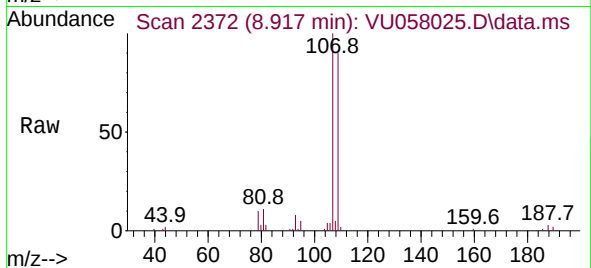




#50  
1,2-Dibromoethane  
Concen: 5.552 ug/L  
RT: 8.917 min Scan# 2372  
Delta R.T. 0.000 min  
Lab File: VU058025.D  
Acq: 08 Mar 2024 18:19

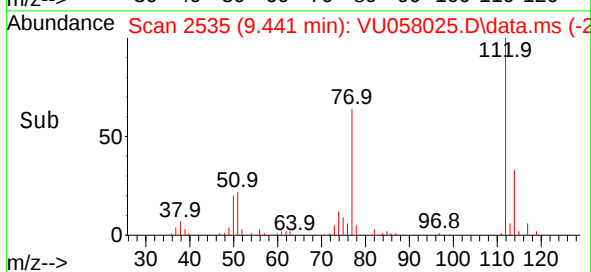
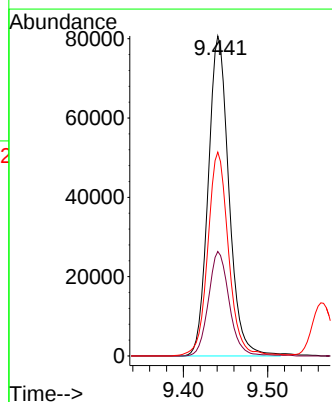
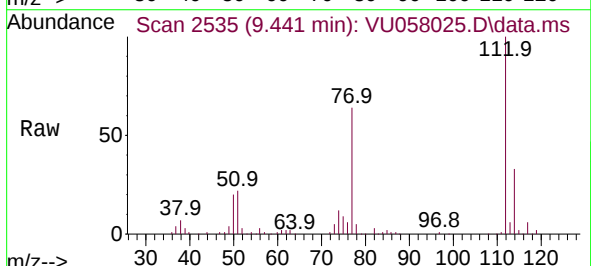
Instrument :  
MSVOA\_U  
ClientSampleId :

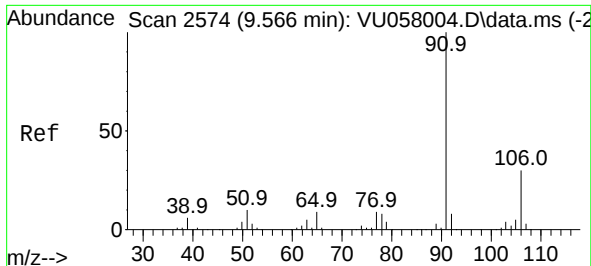
Tgt Ion:107 Resp: 30878  
Ion Ratio Lower Upper  
107 100  
109 90.2 67.8 125.8  
188 2.7 2.4 3.6



#51  
Chlorobenzene  
Concen: 5.163 ug/L  
RT: 9.441 min Scan# 2535  
Delta R.T. 0.000 min  
Lab File: VU058025.D  
Acq: 08 Mar 2024 18:19

Tgt Ion:112 Resp: 138211  
Ion Ratio Lower Upper  
112 100  
114 32.7 22.7 42.1  
77 63.7 52.3 78.5





#52

Ethylbenzene

Concen: 5.155 ug/L

RT: 9.563 min Scan# 2

Delta R.T. -0.003 min

Lab File: VU058025.D

Acq: 08 Mar 2024 18:19

Instrument :

MSVOA\_U

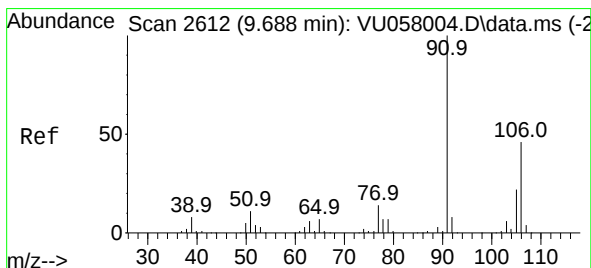
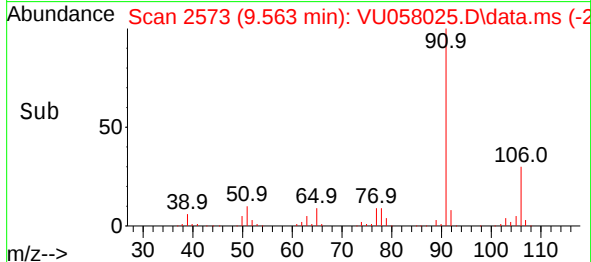
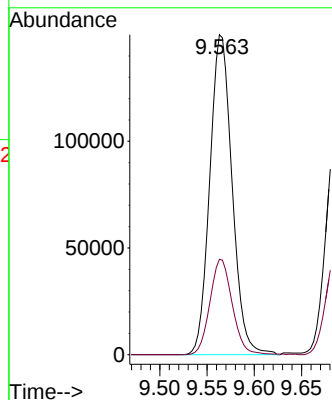
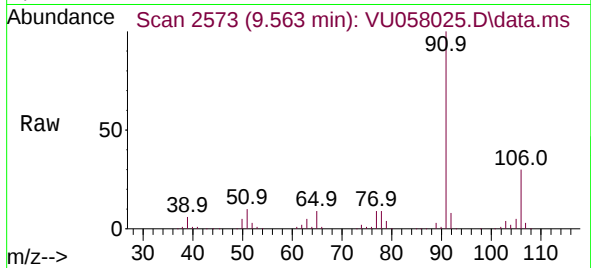
ClientSampleId :

Tgt Ion: 91 Resp: 246268

Ion Ratio Lower Upper

91 100

106 29.8 20.9 38.7



#53

m,p-Xylene

Concen: 5.214 ug/L

RT: 9.688 min Scan# 2612

Delta R.T. 0.000 min

Lab File: VU058025.D

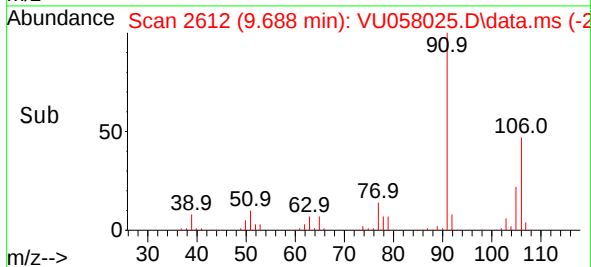
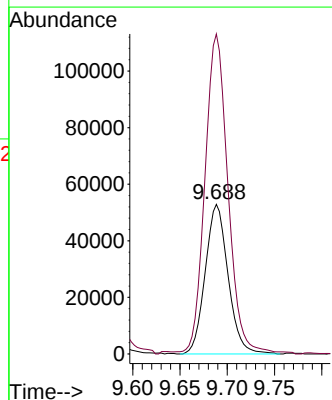
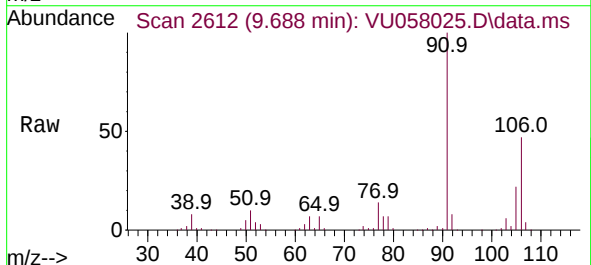
Acq: 08 Mar 2024 18:19

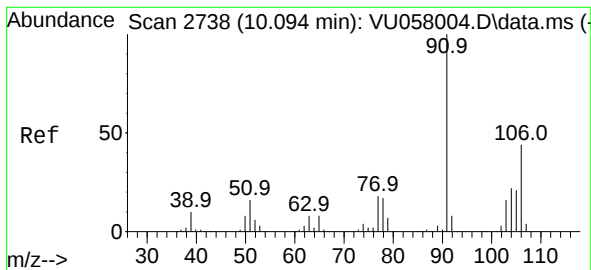
Tgt Ion:106 Resp: 88985

Ion Ratio Lower Upper

106 100

91 213.8 148.8 276.4





#54

o-Xylene

Concen: 5.099 ug/L

RT: 10.094 min Scan# 2738

Delta R.T. 0.000 min

Lab File: VU058025.D

Acq: 08 Mar 2024 18:19

Instrument :

MSVOA\_U

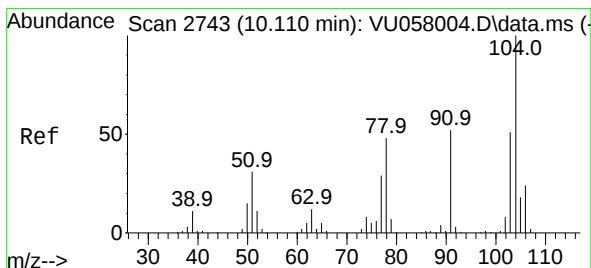
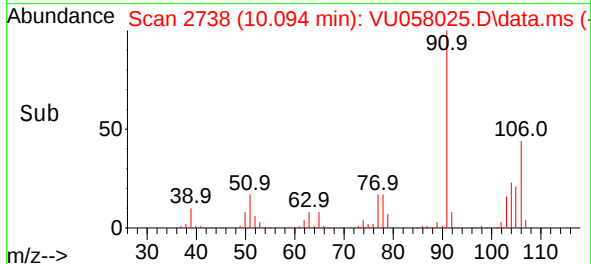
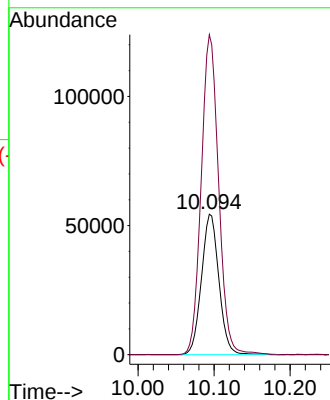
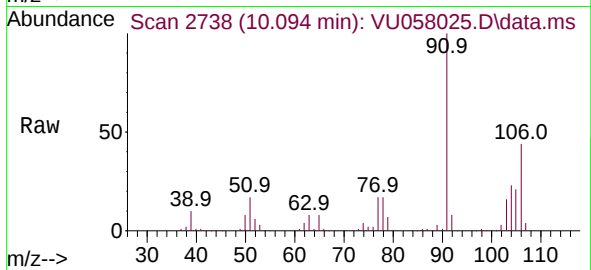
ClientSampleId :

Tgt Ion:106 Resp: 86731

Ion Ratio Lower Upper

106 100

91 227.8 158.3 294.1



#55

Styrene

Concen: 5.302 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. 0.000 min

Lab File: VU058025.D

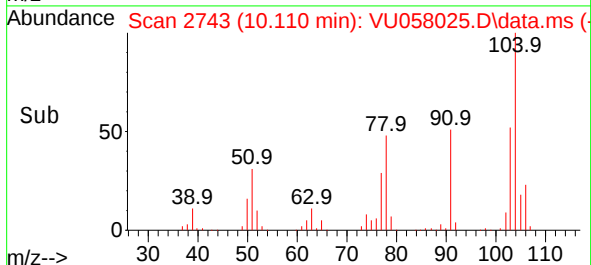
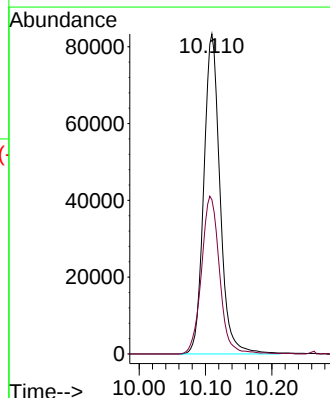
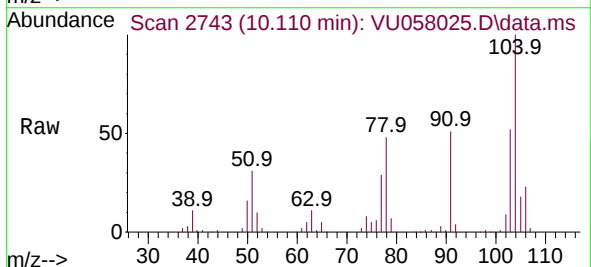
Acq: 08 Mar 2024 18:19

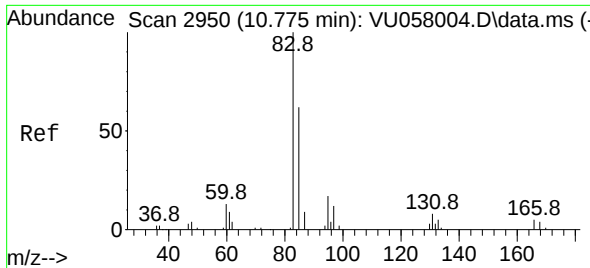
Tgt Ion:104 Resp: 141557

Ion Ratio Lower Upper

104 100

78 48.2 34.2 63.4

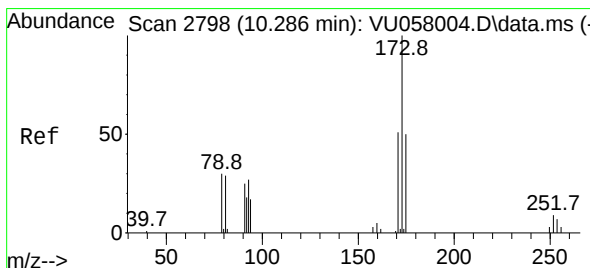
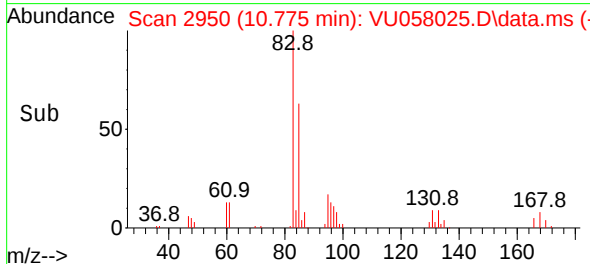
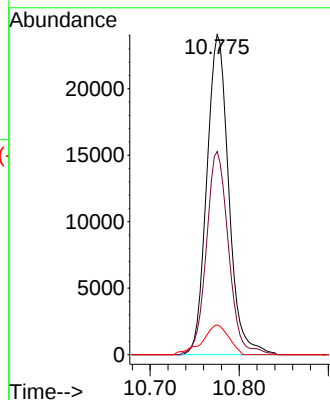
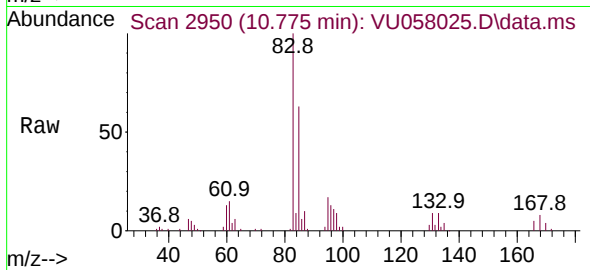




#57  
1,1,2,2-Tetrachloroethane  
Concen: 5.566 ug/L  
RT: 10.775 min Scan# 2950  
Delta R.T. 0.000 min  
Lab File: VU058025.D  
Acq: 08 Mar 2024 18:19

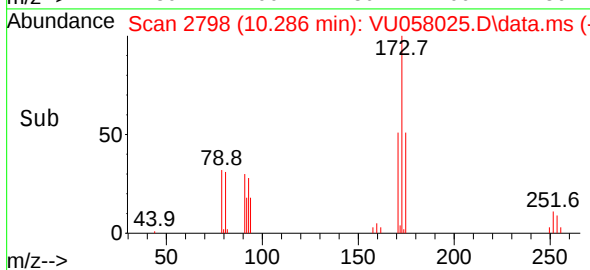
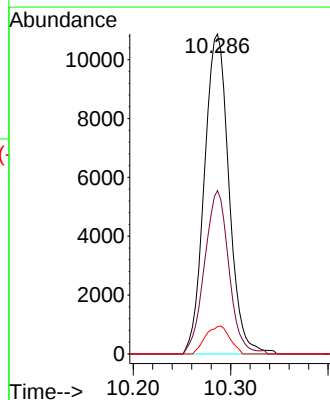
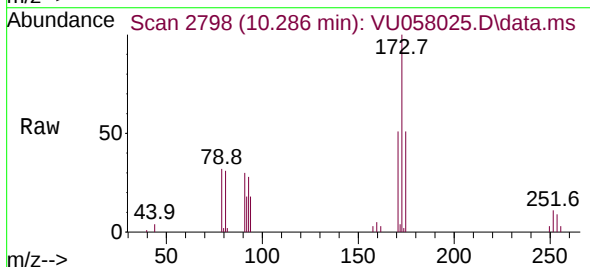
Instrument :  
MSVOA\_U  
ClientSampleId :

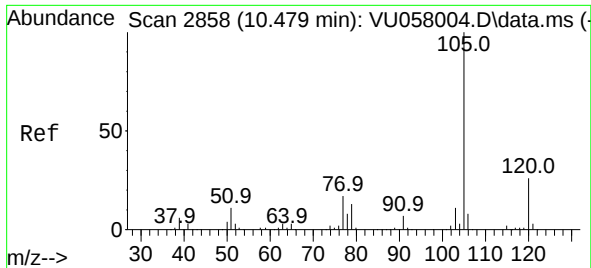
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 41094 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 63.5  | 44.0  | 81.6  |
| 131       | 9.3   | 6.9   | 10.3  |



#59  
Bromoform  
Concen: 5.270 ug/L  
RT: 10.286 min Scan# 2798  
Delta R.T. 0.000 min  
Lab File: VU058025.D  
Acq: 08 Mar 2024 18:19

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 173   | Resp: | 19031 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 50.7  | 38.6  | 57.8  |
| 254       | 8.6   | 7.3   | 10.9  |

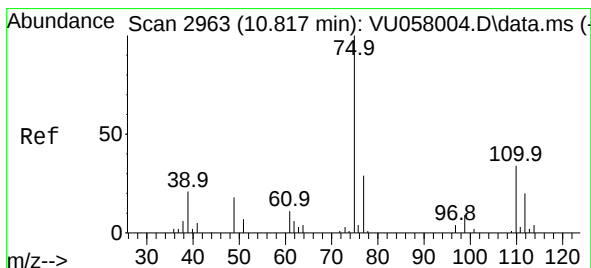
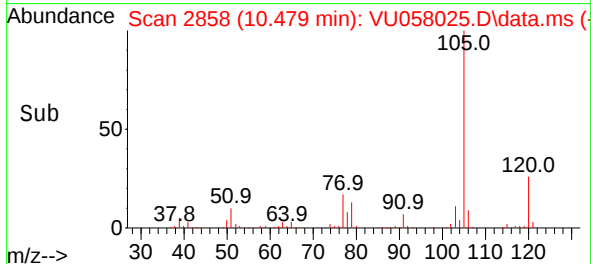
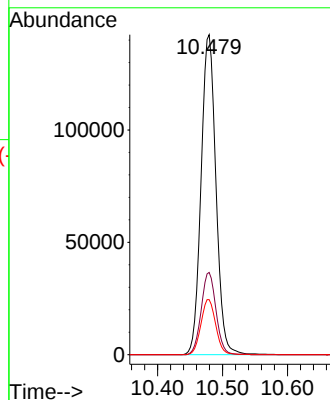
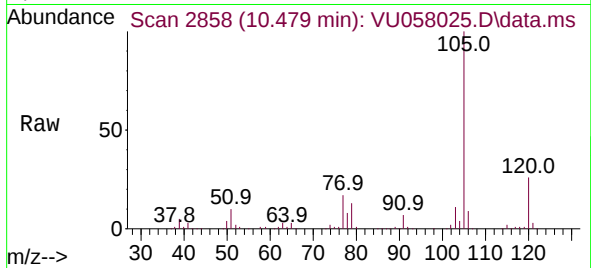




#60  
Isopropylbenzene  
Concen: 5.268 ug/L  
RT: 10.479 min Scan# 2858  
Delta R.T. 0.000 min  
Lab File: VU058025.D  
Acq: 08 Mar 2024 18:19

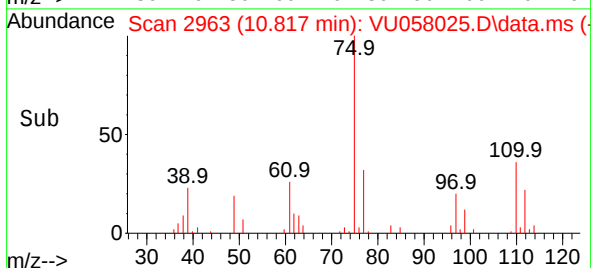
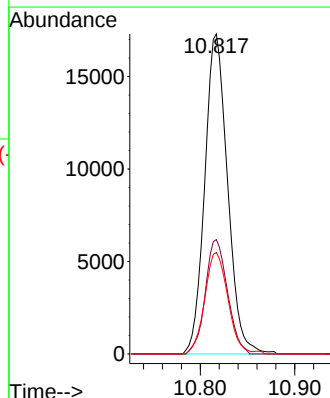
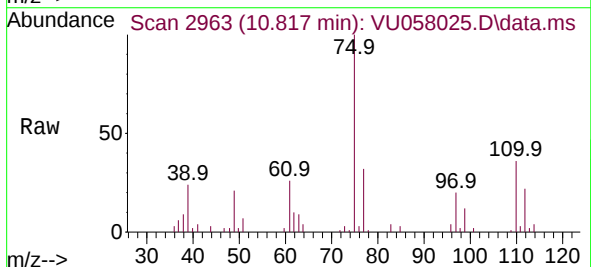
Instrument :  
MSVOA\_U  
ClientSampleId :

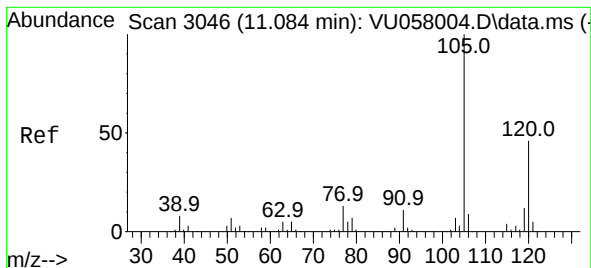
Tgt Ion:105 Resp: 227194  
Ion Ratio Lower Upper  
105 100  
120 25.6 20.4 30.6  
77 17.1 13.2 19.8



#61  
1,2,3-Trichloropropane  
Concen: 5.476 ug/L  
RT: 10.817 min Scan# 2963  
Delta R.T. 0.000 min  
Lab File: VU058025.D  
Acq: 08 Mar 2024 18:19

Tgt Ion: 75 Resp: 29045  
Ion Ratio Lower Upper  
75 100  
110 34.6 28.0 42.0  
77 32.0 24.7 37.1





#62

1,3,5-Trimethylbenzene

Concen: 5.180 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VU058025.D

Acq: 08 Mar 2024 18:19

Instrument :

MSVOA\_U

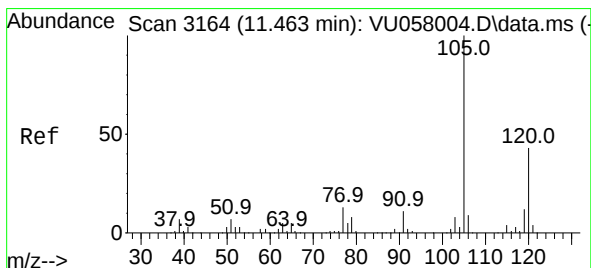
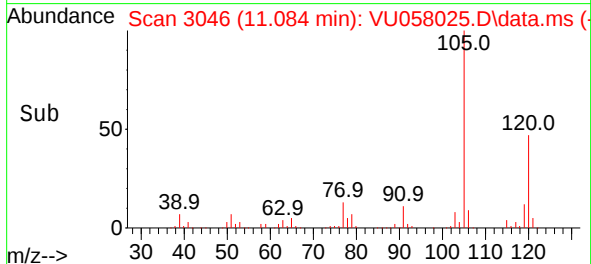
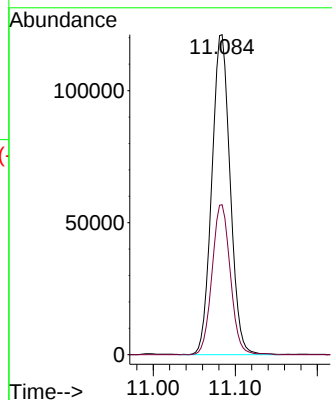
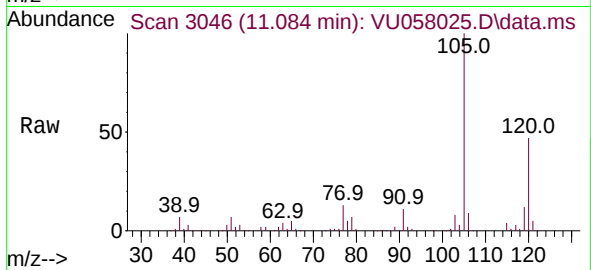
ClientSampleId :

Tgt Ion:105 Resp: 188409

Ion Ratio Lower Upper

105 100

120 46.6 37.1 55.7



#63

1,2,4-Trimethylbenzene

Concen: 5.315 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU058025.D

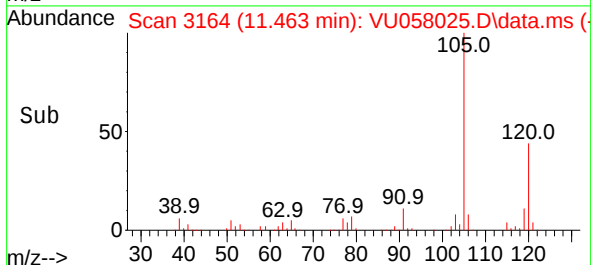
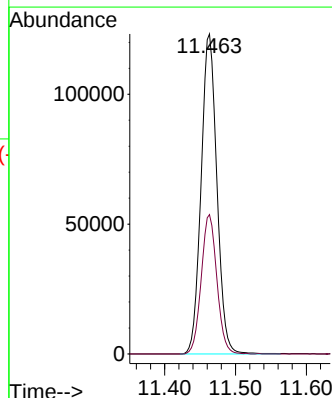
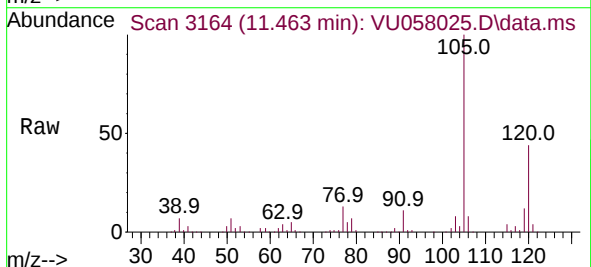
Acq: 08 Mar 2024 18:19

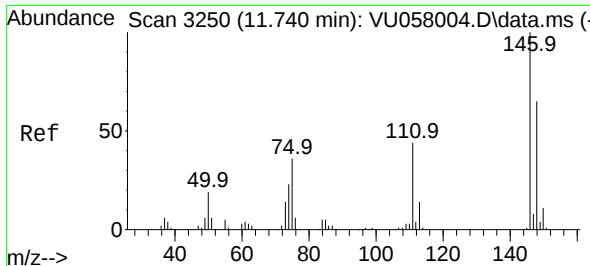
Tgt Ion:105 Resp: 190808

Ion Ratio Lower Upper

105 100

120 43.1 34.8 52.2





#64

1,3-Dichlorobenzene

Concen: 5.285 ug/L

RT: 11.740 min Scan# 3250

Delta R.T. 0.000 min

Lab File: VU058025.D

Acq: 08 Mar 2024 18:19

Instrument :

MSVOA\_U

ClientSampleId :

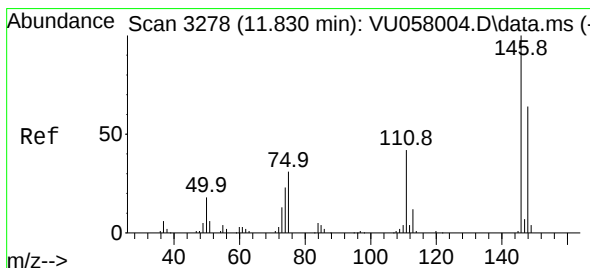
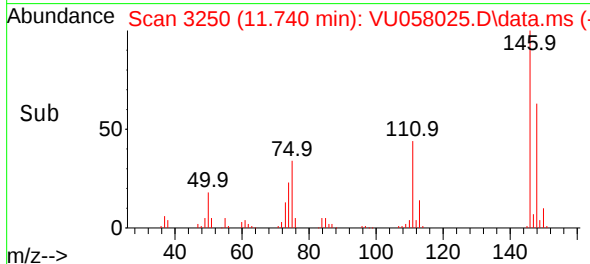
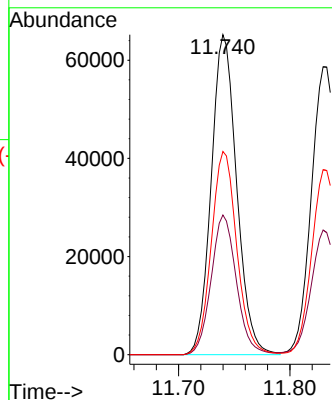
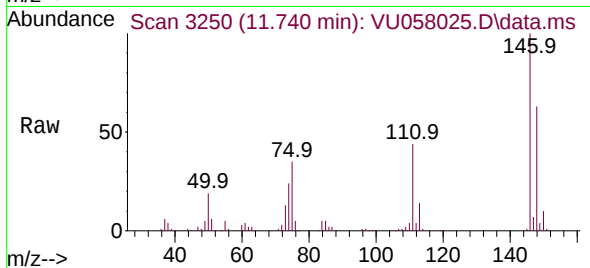
Tgt Ion:146 Resp: 103608

Ion Ratio Lower Upper

146 100

111 43.7 30.9 57.5

148 63.5 45.4 84.4



#65

1,4-Dichlorobenzene

Concen: 5.115 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.000 min

Lab File: VU058025.D

Acq: 08 Mar 2024 18:19

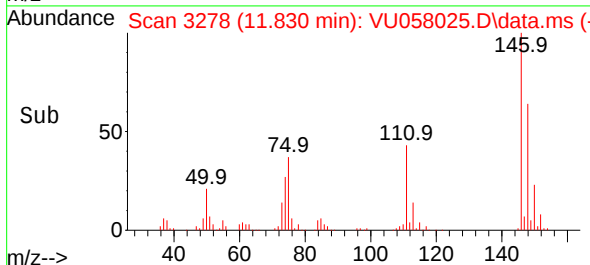
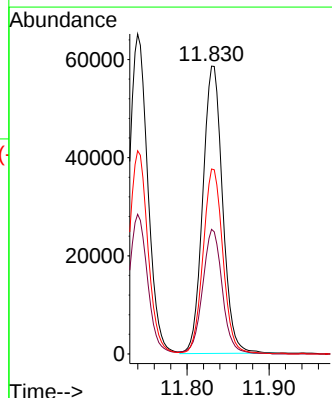
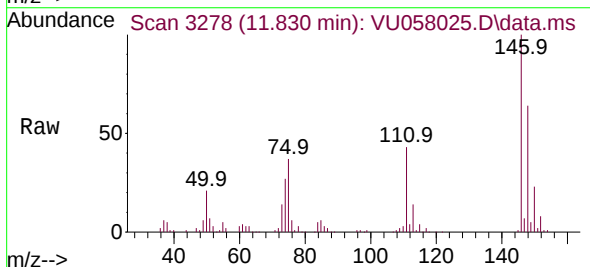
Tgt Ion:146 Resp: 98149

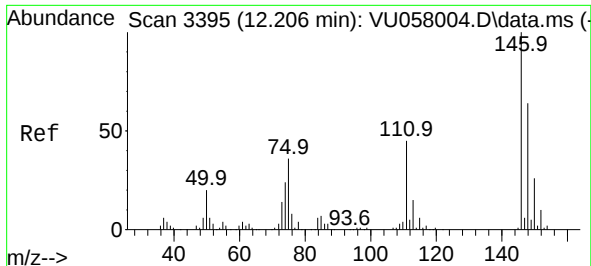
Ion Ratio Lower Upper

146 100

111 43.3 30.1 55.9

148 64.2 45.0 83.6





#67

1,2-Dichlorobenzene

Concen: 5.303 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU058025.D

Acq: 08 Mar 2024 18:19

Instrument :

MSVOA\_U

ClientSampleId :

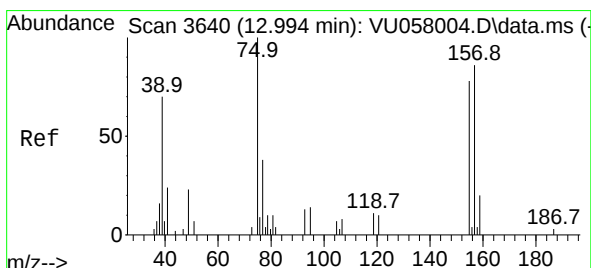
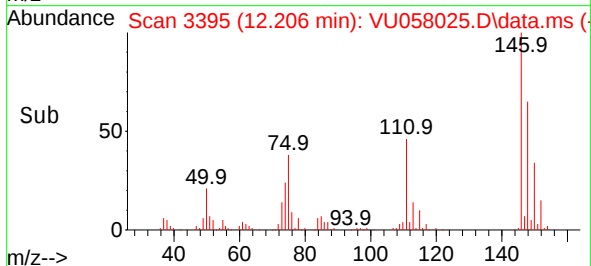
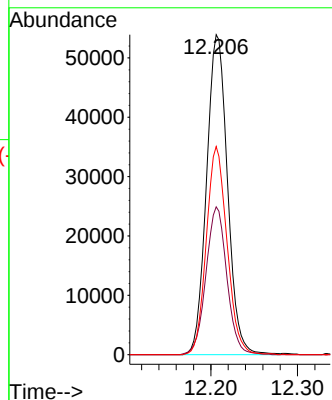
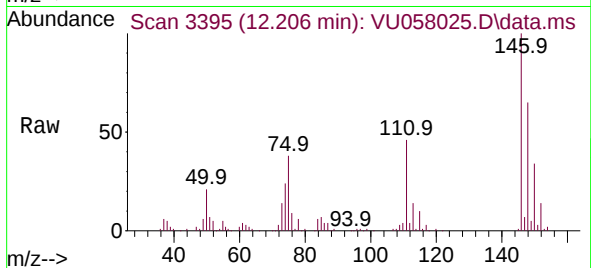
Tgt Ion:146 Resp: 90758

Ion Ratio Lower Upper

146 100

111 46.2 37.4 56.0

148 65.1 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 5.588 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. -0.003 min

Lab File: VU058025.D

Acq: 08 Mar 2024 18:19

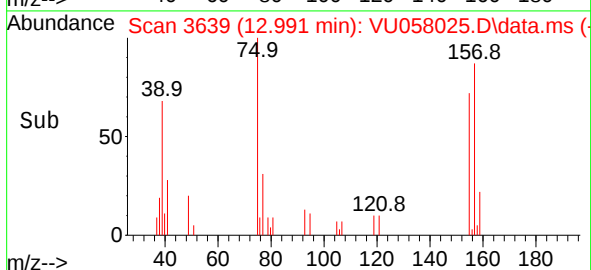
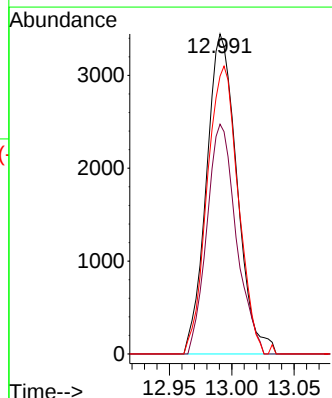
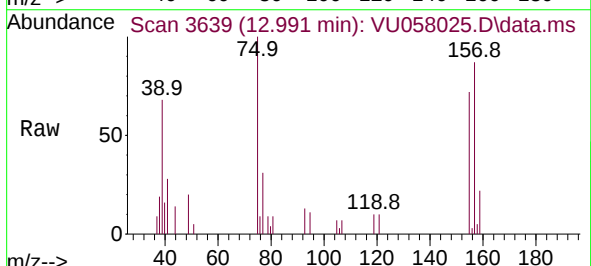
Tgt Ion: 75 Resp: 5881

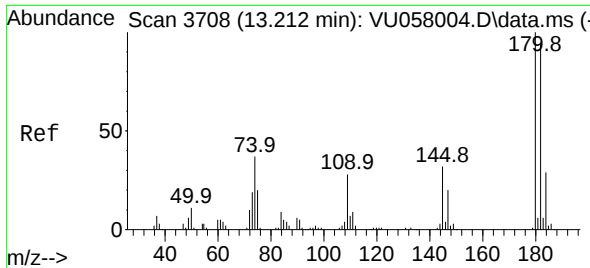
Ion Ratio Lower Upper

75 100

155 71.8 61.0 91.6

157 86.8 74.6 112.0





#69

1,3,5-Trichlorobenzene

Concen: 4.992 ug/L

RT: 13.212 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU058025.D

Acq: 08 Mar 2024 18:19

Instrument :

MSVOA\_U

ClientSampleId :

Tgt Ion:180 Resp: 70393

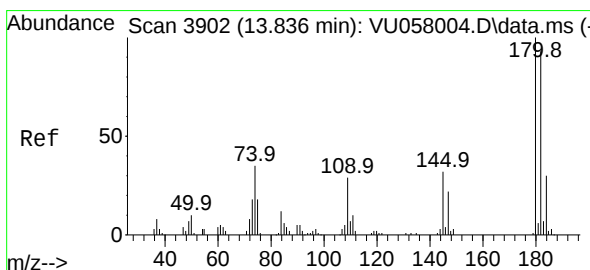
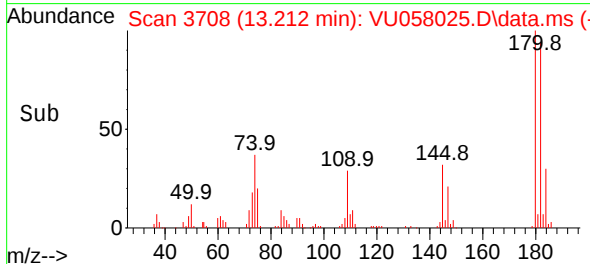
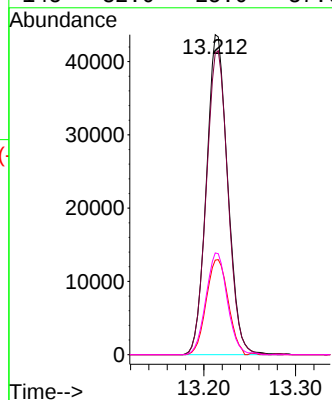
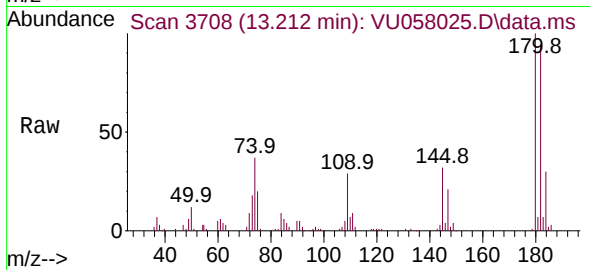
Ion Ratio Lower Upper

180 100

182 96.5 76.3 114.5

184 30.7 24.6 36.8

145 32.0 25.0 37.6



#70

1,2,4-trichlorobenzene

Concen: 5.111 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.003 min

Lab File: VU058025.D

Acq: 08 Mar 2024 18:19

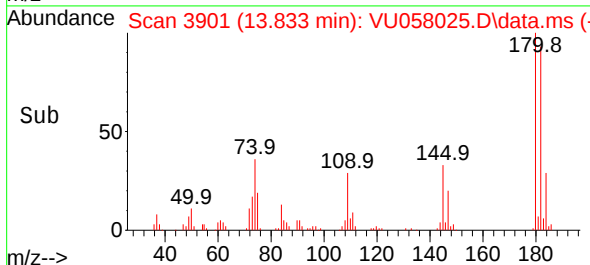
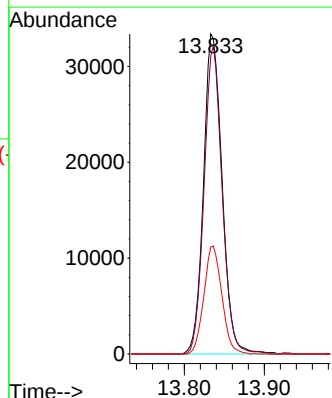
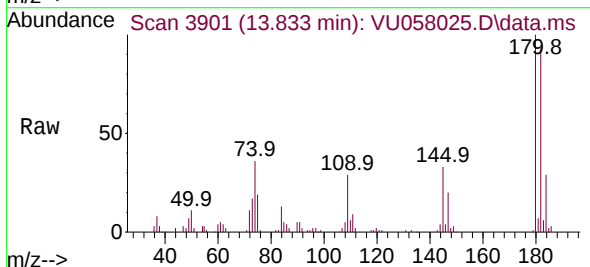
Tgt Ion:180 Resp: 54151

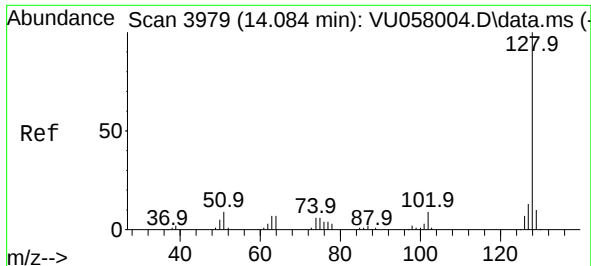
Ion Ratio Lower Upper

180 100

182 93.6 77.9 116.9

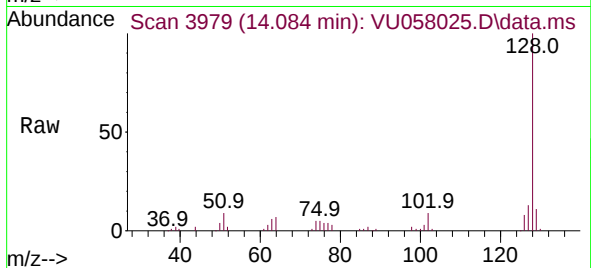
145 32.5 25.8 38.8



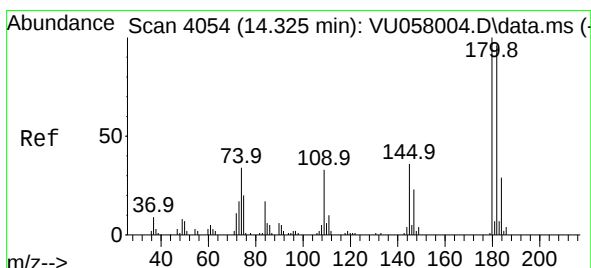
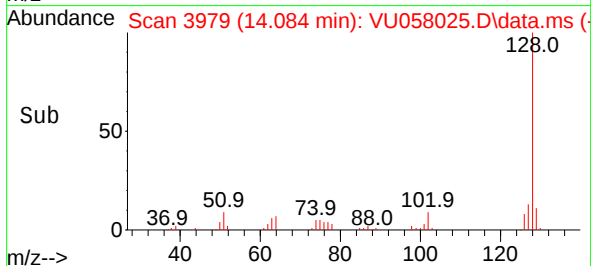
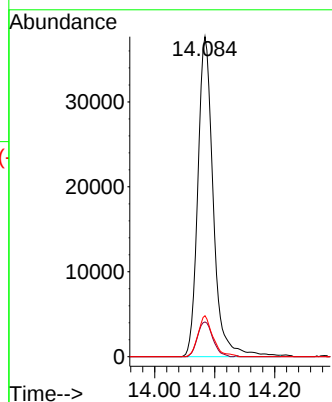


#71  
Naphthalene  
Concen: 4.668 ug/L  
RT: 14.084 min Scan# 3979  
Delta R.T. 0.000 min  
Lab File: VU058025.D  
Acq: 08 Mar 2024 18:19

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion:128 Resp: 67540  
Ion Ratio Lower Upper  
128 100  
129 10.7 9.0 13.6  
127 12.4 10.6 16.0



#72  
1,2,3-Trichlorobenzene  
Concen: 5.125 ug/L  
RT: 14.325 min Scan# 4054  
Delta R.T. 0.000 min  
Lab File: VU058025.D  
Acq: 08 Mar 2024 18:19

Tgt Ion:180 Resp: 42888  
Ion Ratio Lower Upper  
180 100  
182 93.3 77.6 116.4  
145 33.6 28.7 43.1

