

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU061724\  
 Data File : VU059272.D  
 Acq On : 17 Jun 2024 11:19  
 Operator : MD/SY  
 Sample : VSTD01071  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jun 17 11:34:27 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR061724WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Mon Jun 17 11:12:45 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114  | 116665   | 5.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117  | 116943   | 5.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152  | 63361    | 5.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 4) Vinyl Chloride-d3          | 1.595  | 65   | 83447    | 11.809  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.904  | 69   | 81101    | 12.697  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65   | 35460    | 12.313  | ug/L   | 0.00     |
| 20) 2-Butanone-d5             | 4.608  | 46   | 178340   | 97.065  | ug/L   | -0.02    |
| 24) Chloroform-d              | 5.055  | 84   | 173267   | 12.141  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65   | 81911    | 11.168  | ug/L   | 0.00     |
| 32) Benzene-d6                | 5.721  | 84   | 351849   | 13.107  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67   | 104800   | 11.717  | ug/L   | 0.00     |
| 41) Toluene-d8                | 7.891  | 98   | 327182   | 13.392  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79   | 34925    | 11.379  | ug/L   | 0.00     |
| 46) 2-Hexanone-d5             | 8.624  | 63   | 153634   | 104.300 | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749 | 84   | 85567    | 11.077  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152  | 116117   | 12.185  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.380  | 85   | 102610   | 12.022  | ug/L   | 99       |
| 3) Chloromethane              | 1.518  | 50   | 106834   | 10.749  | ug/L   | 100      |
| 5) Vinyl chloride             | 1.599  | 62   | 121521   | 11.413  | ug/L   | 100      |
| 6) Bromomethane               | 1.846  | 94   | 79577    | 11.997  | ug/L   | 96       |
| 8) Chloroethane               | 1.927  | 64   | 72424    | 10.703  | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 2.132  | 101  | 146061   | 10.695  | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.573  | 101  | 92180    | 11.139  | ug/L   | 96       |
| 12) 1,1-Dichloroethene        | 2.573  | 96   | 85341    | 11.742  | ug/L   | 89       |
| 13) Acetone                   | 2.615  | 43   | 109130   | 85.936  | ug/L   | 96       |
| 14) Carbon disulfide          | 2.785  | 76   | 282993   | 12.288  | ug/L   | 100      |
| 15) Methyl Acetate            | 2.939  | 43   | 28812    | 9.129   | ug/L # | 88       |
| 16) Methylene chloride        | 3.036  | 84   | 105331   | 10.682  | ug/L   | 93       |
| 17) Methyl tert-butyl Ether   | 3.354  | 73   | 186556   | 9.874   | ug/L   | 100      |
| 18) trans-1,2-Dichloroethene  | 3.345  | 96   | 89080    | 11.640  | ug/L   | 91       |
| 19) 1,1-Dichloroethane        | 3.859  | 63   | 161791   | 10.113  | ug/L   | 98       |
| 21) 2-Butanone                | 4.689  | 43   | 186298   | 91.467  | ug/L   | 89       |
| 22) cis-1,2-Dichloroethene    | 4.660  | 96   | 101292   | 11.497  | ug/L   | 93       |
| 23) Bromochloromethane        | 4.965  | 128  | 45366    | 11.659  | ug/L   | 87       |
| 25) Chloroform                | 5.078  | 83   | 170956   | 10.227  | ug/L   | 97       |
| 27) 1,2-Dichloroethane        | 5.785  | 62   | 104298   | 10.212  | ug/L   | 100      |
| 29) 1,1,1-Trichloroethane     | 5.306  | 97   | 139890   | 10.698  | ug/L   | 100      |
| 30) Cyclohexane               | 5.380  | 56   | 136790   | 11.065  | ug/L   | 95       |
| 31) Carbon tetrachloride      | 5.518  | 117  | 119389   | 10.946  | ug/L   | 100      |
| 33) Benzene                   | 5.766  | 78   | 383308   | 11.152  | ug/L   | 100      |
| 34) Trichloroethene           | 6.537  | 95   | 102313   | 11.252  | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.756  | 83   | 158337   | 12.206  | ug/L   | 94       |
| 37) 1,2-Dichloropropane       | 6.785  | 63   | 99303    | 10.177  | ug/L # | 97       |
| 38) Bromodichloromethane      | 7.100  | 83   | 121661   | 10.402  | ug/L   | 95       |
| 39) cis-1,3-Dichloropropene   | 7.602  | 75   | 139293   | 10.475  | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 7.782  | 43   | 468881   | 92.973  | ug/L   | 95       |
| 42) Toluene                   | 7.965  | 91   | 423473   | 11.812  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 8.206  | 75   | 113340   | 10.446  | ug/L   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU061724\  
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 Acq On : 17 Jun 2024 11:19  
 Operator : MD/SY  
 Sample : VSTD01071  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

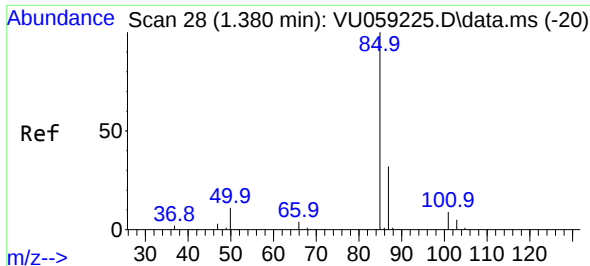
Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jun 17 11:34:27 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR061724WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Mon Jun 17 11:12:45 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| 45) 1,1,2-Trichloroethane     | 8.393  | 97   | 71331    | 10.392 | ug/L   | 98       |
| 47) Tetrachloroethene         | 8.547  | 164  | 80945    | 12.496 | ug/L   | 97       |
| 48) 2-Hexanone                | 8.676  | 43   | 344704   | 94.847 | ug/L # | 96       |
| 49) Dibromochloromethane      | 8.804  | 129  | 80680    | 11.146 | ug/L   | 97       |
| 50) 1,2-Dibromoethane         | 8.917  | 107  | 66151    | 10.906 | ug/L   | 100      |
| 51) Chlorobenzene             | 9.441  | 112  | 256089   | 11.209 | ug/L   | 97       |
| 52) Ethylbenzene              | 9.566  | 91   | 445390   | 11.507 | ug/L   | 97       |
| 53) m,p-Xylene                | 9.688  | 106  | 176606   | 12.467 | ug/L   | 99       |
| 54) o-Xylene                  | 10.097 | 106  | 164914   | 11.903 | ug/L   | 99       |
| 55) Styrene                   | 10.110 | 104  | 290373   | 12.458 | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 85546    | 9.830  | ug/L   | 99       |
| 59) Bromoform                 | 10.283 | 173  | 49232    | 10.634 | ug/L   | 98       |
| 60) Isopropylbenzene          | 10.479 | 105  | 444469   | 10.957 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.817 | 75   | 58625    | 8.985  | ug/L   | 96       |
| 62) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 362753   | 11.220 | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 362637   | 11.312 | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 11.740 | 146  | 213685   | 10.827 | ug/L   | 100      |
| 65) 1,4-Dichlorobenzene       | 11.833 | 146  | 214815   | 10.905 | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 12.206 | 146  | 195931   | 10.622 | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.991 | 75   | 12697    | 9.674  | ug/L   | 88       |
| 69) 1,3,5-Trichlorobenzene    | 13.216 | 180  | 162774   | 10.999 | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.836 | 180  | 129354   | 10.592 | ug/L   | 99       |
| 71) Naphthalene               | 14.084 | 128  | 195756   | 10.636 | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 119051   | 11.108 | ug/L   | 98       |
| -----                         |        |      |          |        |        |          |

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

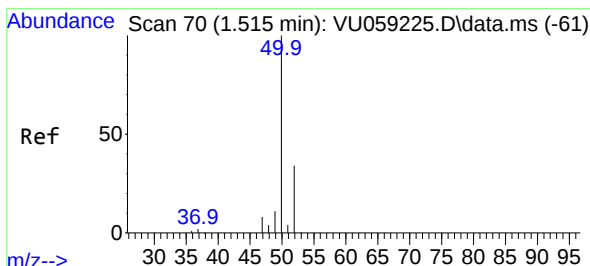
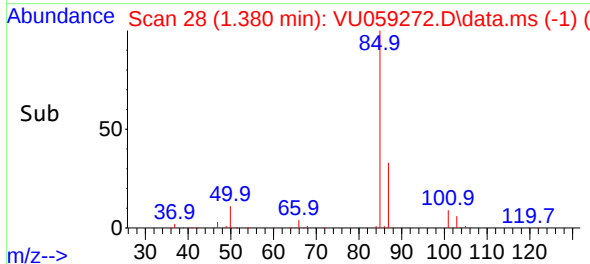
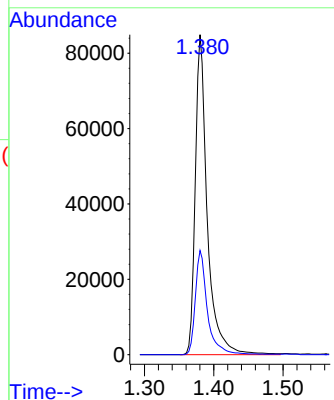
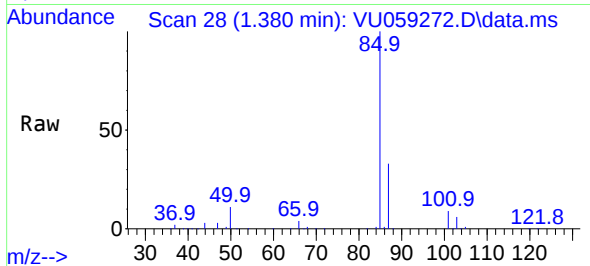




#2  
Dichlorodifluoromethane  
Concen: 12.022 ug/L  
RT: 1.380 min Scan# 28  
Delta R.T. -0.000 min  
Lab File: VU059272.D  
Acq: 17 Jun 2024 11:19

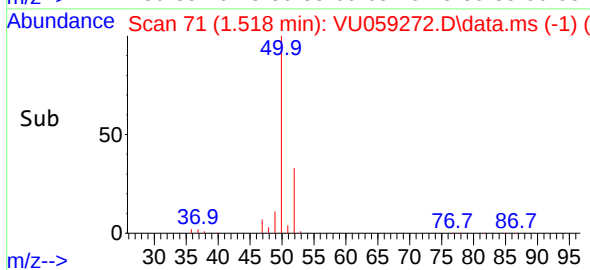
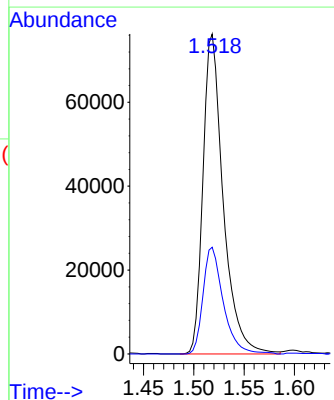
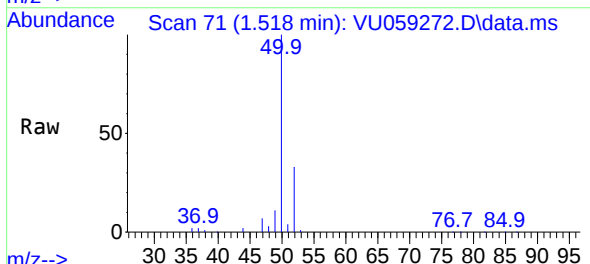
Instrument :  
MSVOA\_U  
ClientSampleId :

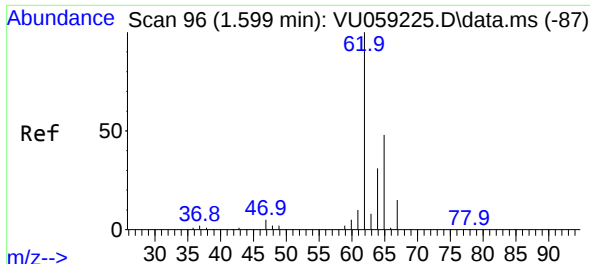
Tgt Ion: 85 Resp: 102610  
Ion Ratio Lower Upper  
85 100  
87 32.7 26.6 40.0



#3  
Chloromethane  
Concen: 10.749 ug/L  
RT: 1.518 min Scan# 71  
Delta R.T. 0.003 min  
Lab File: VU059272.D  
Acq: 17 Jun 2024 11:19

Tgt Ion: 50 Resp: 106834  
Ion Ratio Lower Upper  
50 100  
52 33.3 23.2 43.0

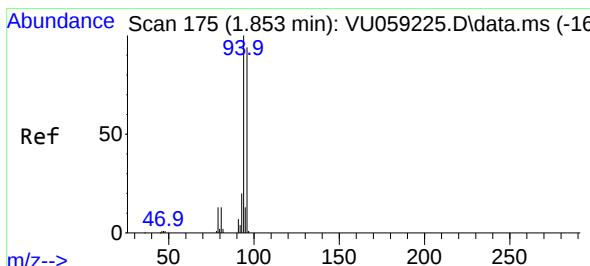
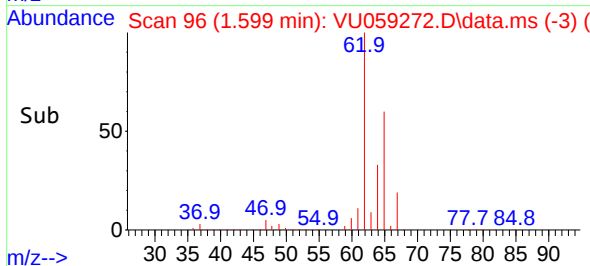
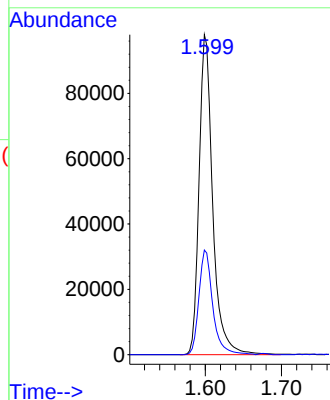
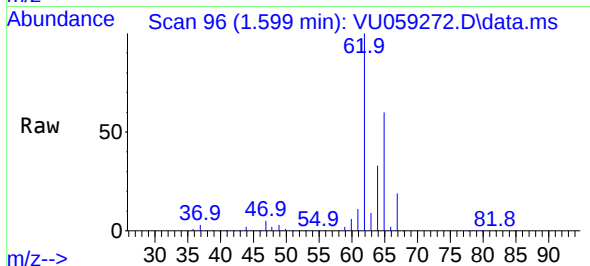




#5  
 Vinyl chloride  
 Concen: 11.413 ug/L  
 RT: 1.599 min Scan# 96  
 Delta R.T. -0.000 min  
 Lab File: VU059272.D  
 Acq: 17 Jun 2024 11:19

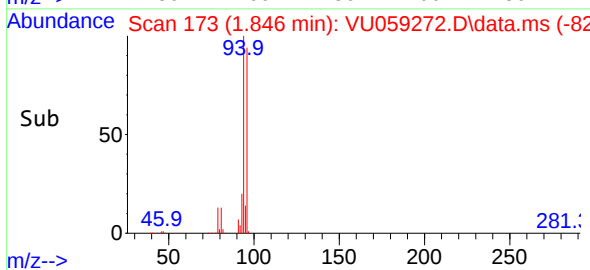
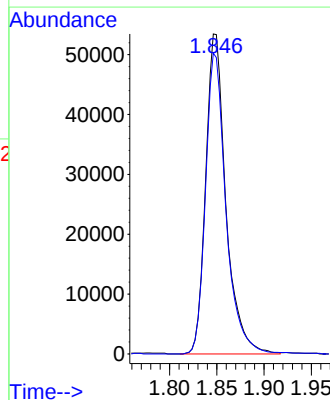
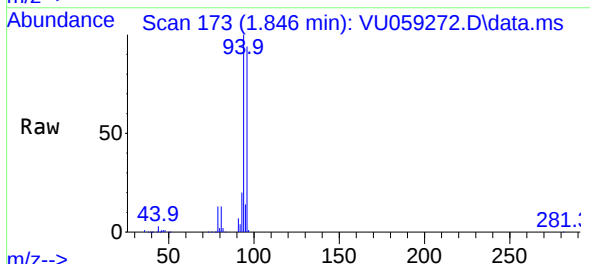
Instrument :  
 MSVOA\_U  
 ClientSampleId :

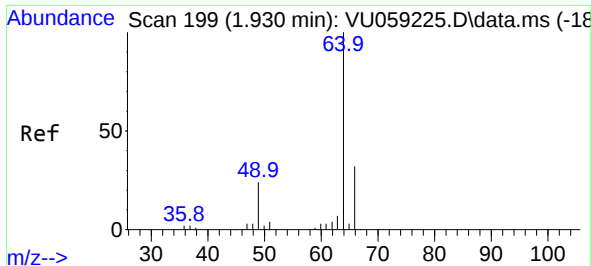
Tgt Ion: 62 Resp: 121521  
 Ion Ratio Lower Upper  
 62 100  
 64 32.7 23.1 42.9



#6  
 Bromomethane  
 Concen: 11.997 ug/L  
 RT: 1.846 min Scan# 173  
 Delta R.T. -0.006 min  
 Lab File: VU059272.D  
 Acq: 17 Jun 2024 11:19

Tgt Ion: 94 Resp: 79577  
 Ion Ratio Lower Upper  
 94 100  
 96 94.0 62.9 116.9

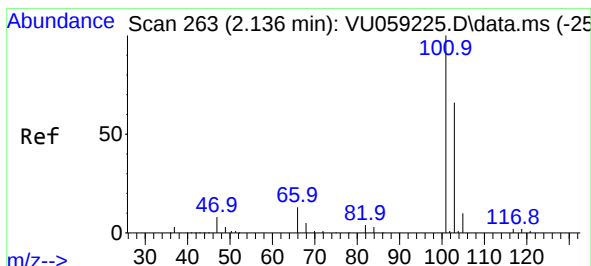
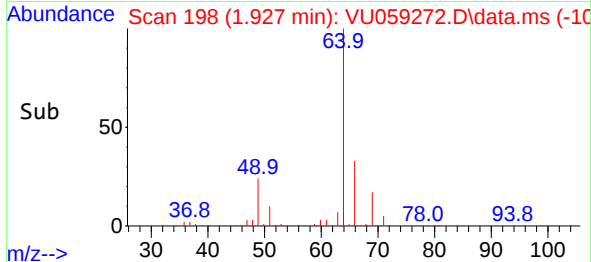
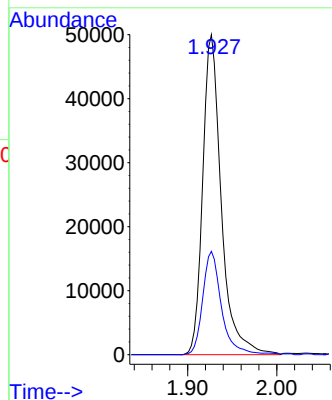
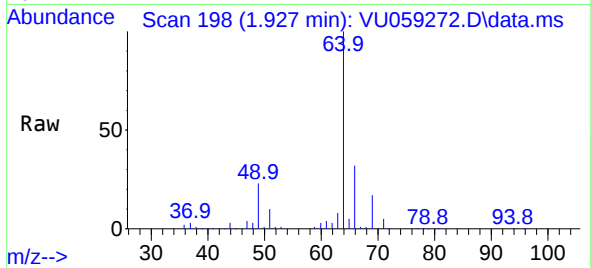




#8  
Chloroethane  
Concen: 10.703 ug/L  
RT: 1.927 min Scan# 199  
Delta R.T. -0.003 min  
Lab File: VU059272.D  
Acq: 17 Jun 2024 11:19

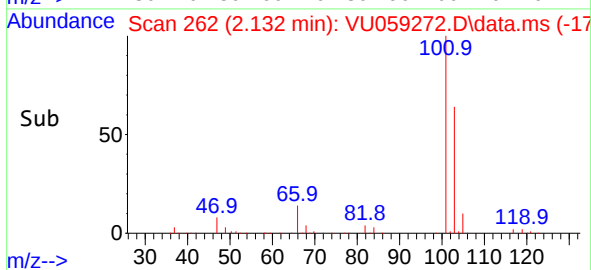
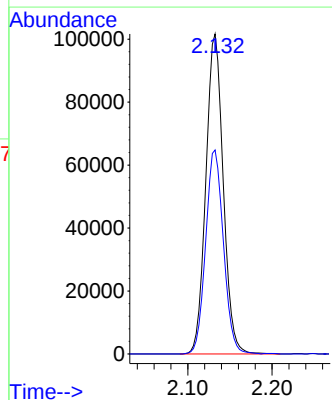
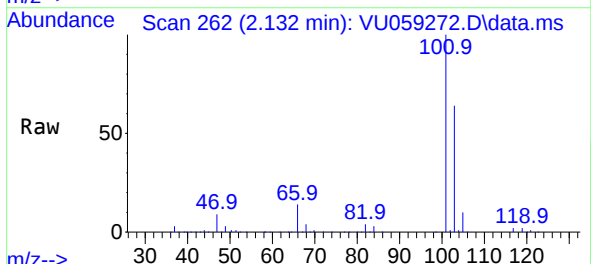
Instrument :  
MSVOA\_U  
ClientSampleId :

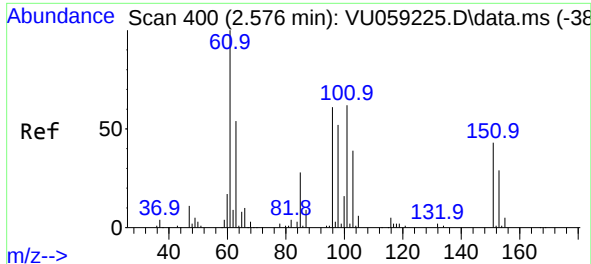
Tgt Ion: 64 Resp: 72424  
Ion Ratio Lower Upper  
64 100  
66 32.3 23.2 43.2



#9  
Trichlorofluoromethane  
Concen: 10.695 ug/L  
RT: 2.132 min Scan# 262  
Delta R.T. -0.003 min  
Lab File: VU059272.D  
Acq: 17 Jun 2024 11:19

Tgt Ion:101 Resp: 146061  
Ion Ratio Lower Upper  
101 100  
103 65.2 52.6 79.0

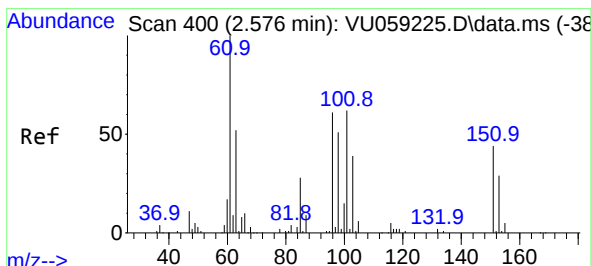
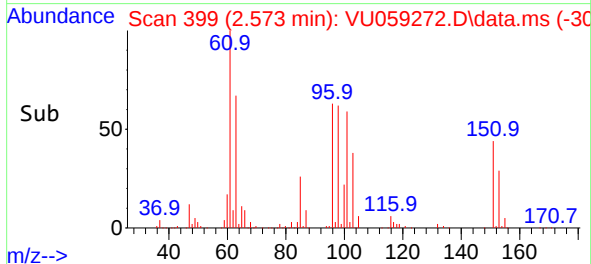
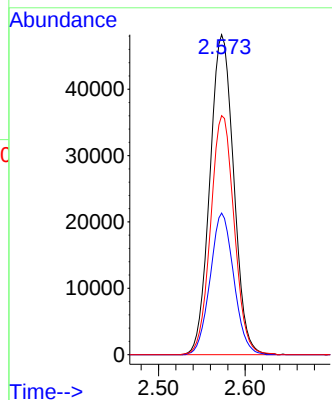
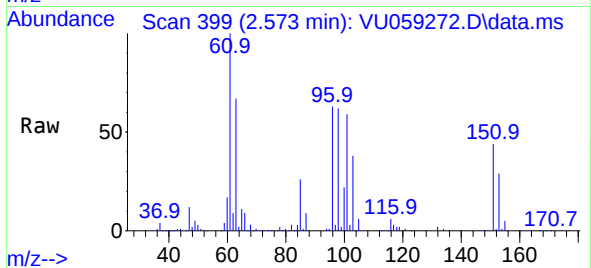




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 11.139 ug/L  
RT: 2.573 min Scan# 399  
Delta R.T. -0.003 min  
Lab File: VU059272.D  
Acq: 17 Jun 2024 11:19

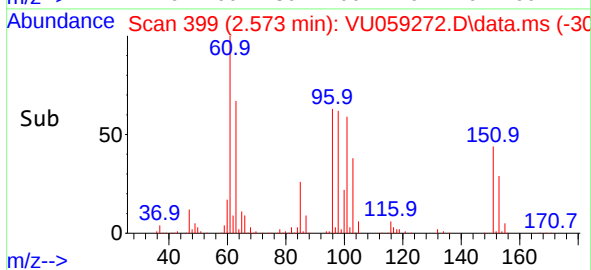
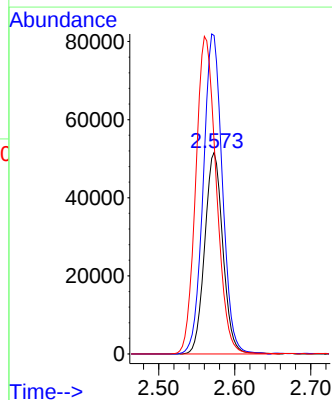
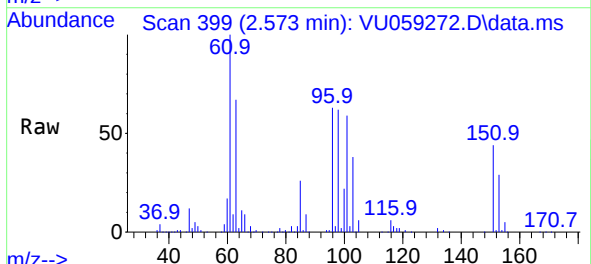
Instrument :  
MSVOA\_U  
ClientSampleId :

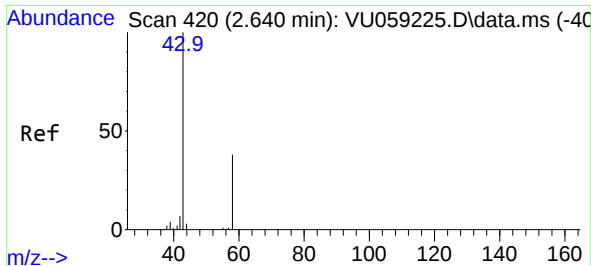
Tgt Ion:101 Resp: 92180  
Ion Ratio Lower Upper  
101 100  
85 43.8 36.2 54.4  
151 74.1 55.5 83.3



#12  
1,1-Dichloroethene  
Concen: 11.742 ug/L  
RT: 2.573 min Scan# 399  
Delta R.T. -0.003 min  
Lab File: VU059272.D  
Acq: 17 Jun 2024 11:19

Tgt Ion: 96 Resp: 85341  
Ion Ratio Lower Upper  
96 100  
61 158.1 122.9 228.3  
63 105.3 80.4 149.4





#13

Acetone

Concen: 85.936 ug/L

RT: 2.615 min Scan# 41

Delta R.T. -0.026 min

Lab File: VU059272.D

Acq: 17 Jun 2024 11:19

Instrument :

MSVOA\_U

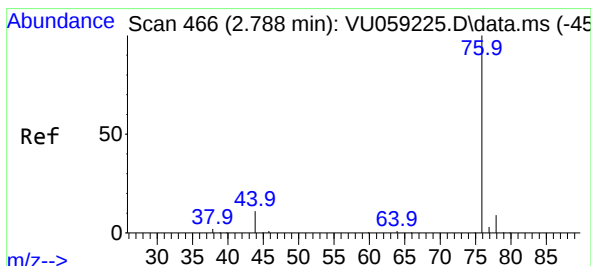
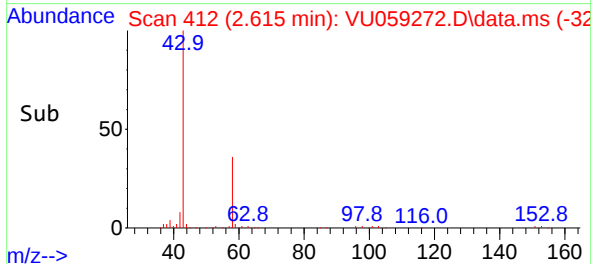
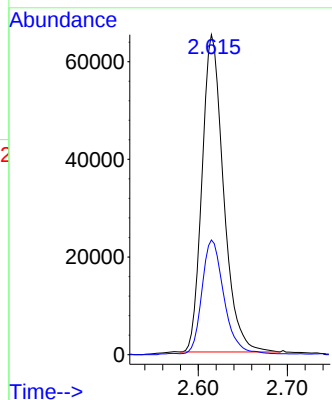
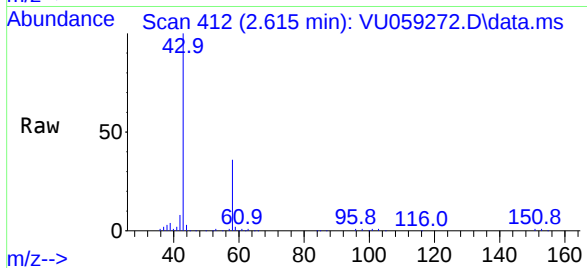
ClientSampleId :

Tgt Ion: 43 Resp: 109130

Ion Ratio Lower Upper

43 100

58 36.4 0.0 68.0



#14

Carbon disulfide

Concen: 12.288 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.003 min

Lab File: VU059272.D

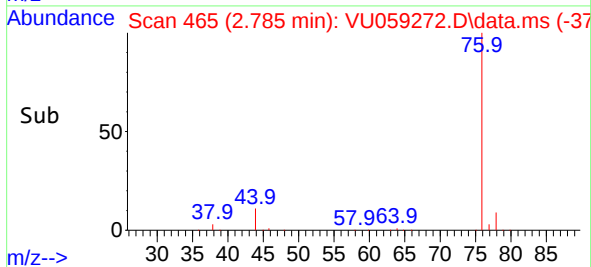
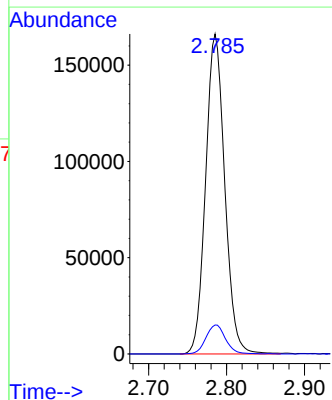
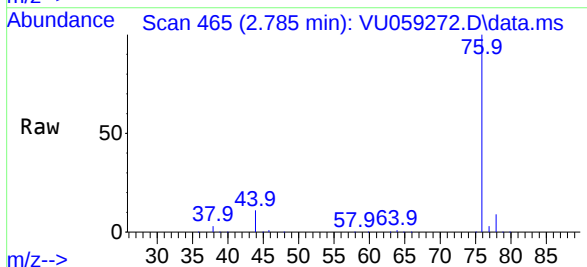
Acq: 17 Jun 2024 11:19

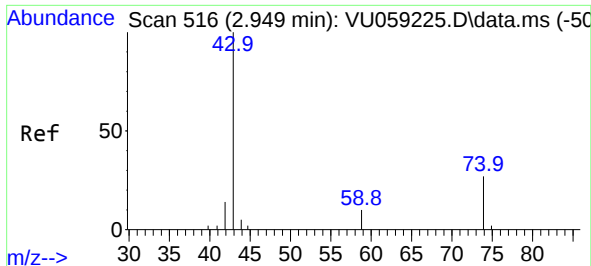
Tgt Ion: 76 Resp: 282993

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

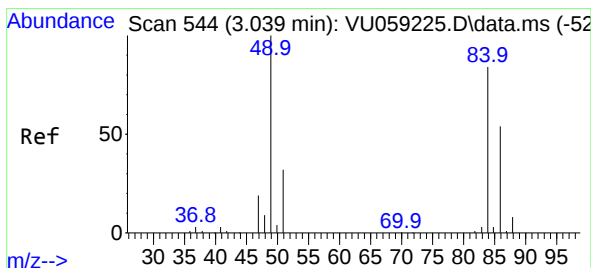
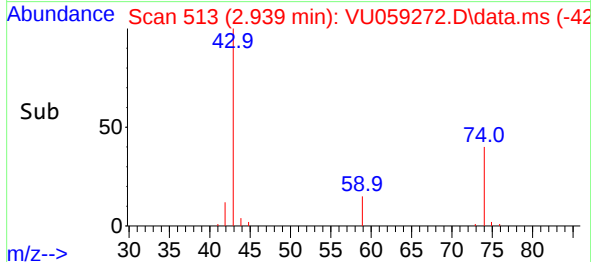
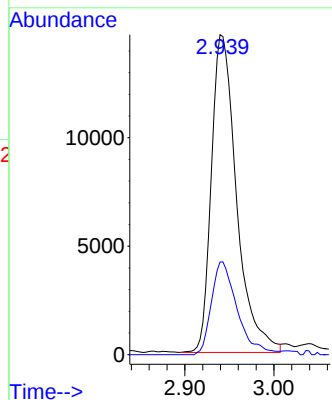
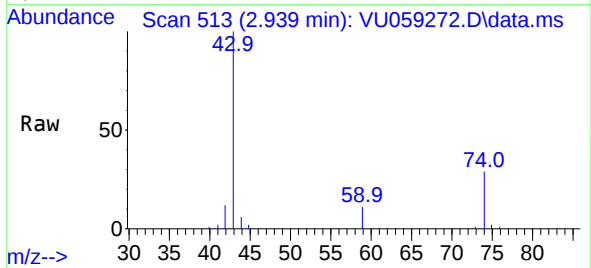




#15  
Methyl Acetate  
Concen: 9.129 ug/L  
RT: 2.939 min Scan# 51  
Delta R.T. -0.010 min  
Lab File: VU059272.D  
Acq: 17 Jun 2024 11:19

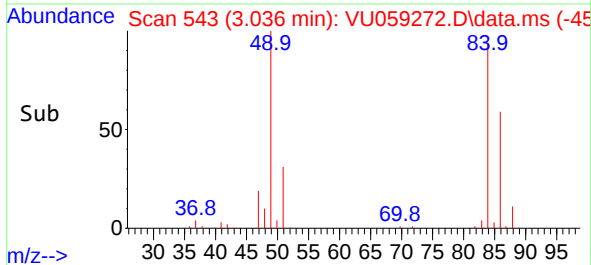
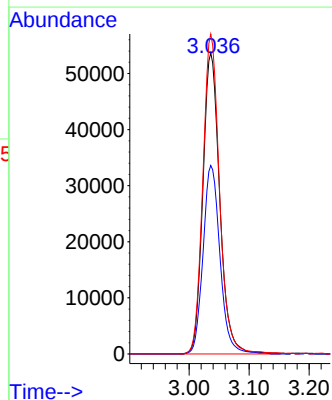
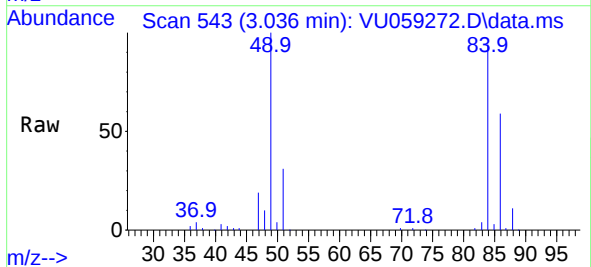
Instrument :  
MSVOA\_U  
ClientSampleId :

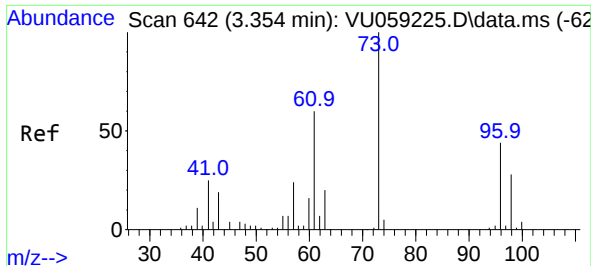
Tgt Ion: 43 Resp: 28812  
Ion Ratio Lower Upper  
43 100  
74 29.8 19.2 28.8#



#16  
Methylene chloride  
Concen: 10.682 ug/L  
RT: 3.036 min Scan# 543  
Delta R.T. -0.003 min  
Lab File: VU059272.D  
Acq: 17 Jun 2024 11:19

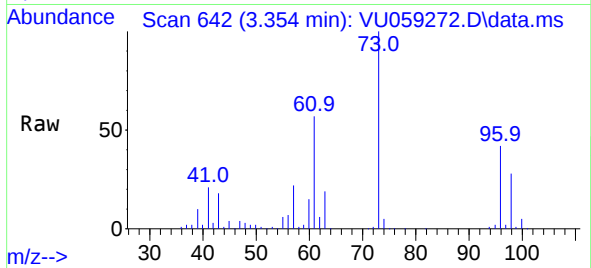
Tgt Ion: 84 Resp: 105331  
Ion Ratio Lower Upper  
84 100  
86 62.6 42.1 78.1  
49 106.3 80.6 149.8



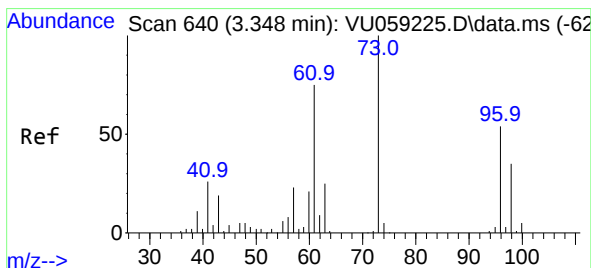
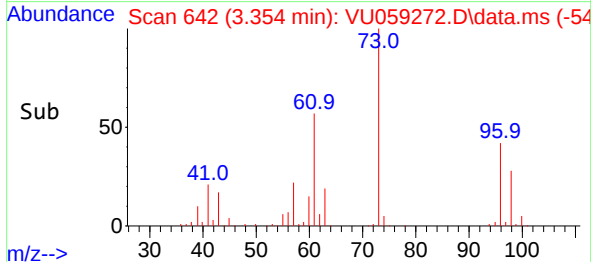
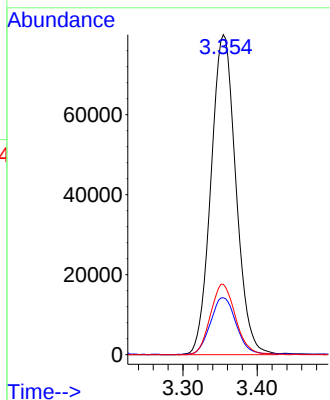


#17  
Methyl tert-butyl Ether  
Concen: 9.874 ug/L  
RT: 3.354 min Scan# 642  
Delta R.T. -0.000 min  
Lab File: VU059272.D  
Acq: 17 Jun 2024 11:19

Instrument :  
MSVOA\_U  
ClientSampleId :

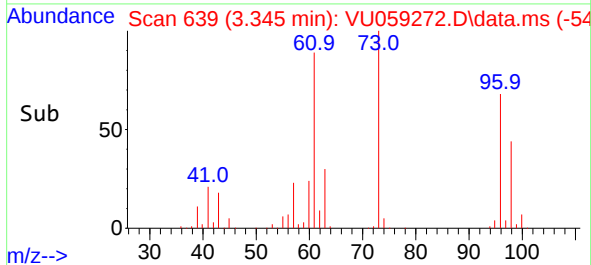
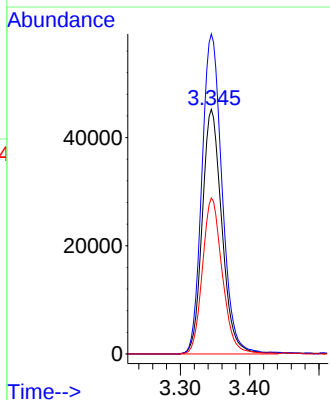
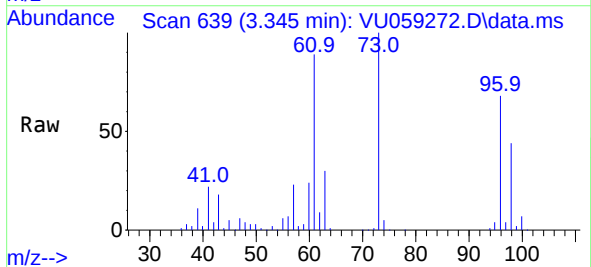


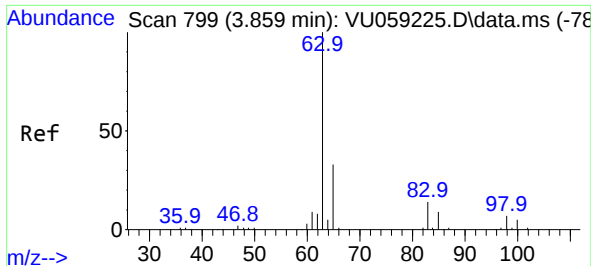
Tgt Ion: 73 Resp: 186556  
Ion Ratio Lower Upper  
73 100  
43 18.7 14.9 22.3  
57 22.2 18.0 27.0



#18  
trans-1,2-Dichloroethene  
Concen: 11.640 ug/L  
RT: 3.345 min Scan# 639  
Delta R.T. -0.003 min  
Lab File: VU059272.D  
Acq: 17 Jun 2024 11:19

Tgt Ion: 96 Resp: 89080  
Ion Ratio Lower Upper  
96 100  
61 130.8 101.8 189.0  
98 63.8 43.3 80.5





#19

1,1-Dichloroethane

Concen: 10.113 ug/L

RT: 3.859 min Scan# 799

Delta R.T. -0.000 min

Lab File: VU059272.D

Acq: 17 Jun 2024 11:19

Instrument :

MSVOA\_U

ClientSampleId :

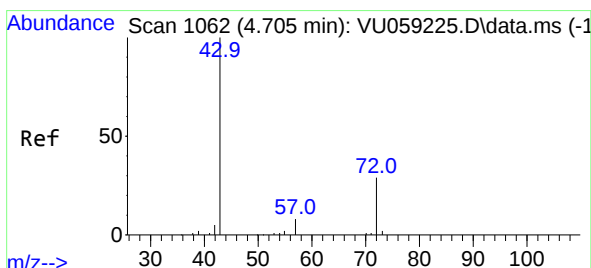
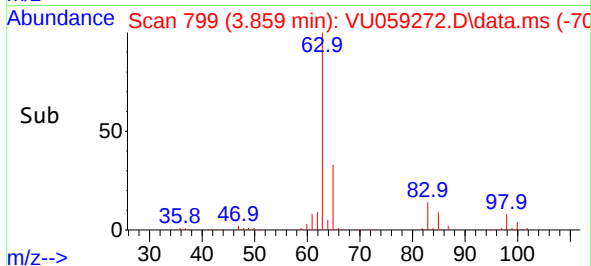
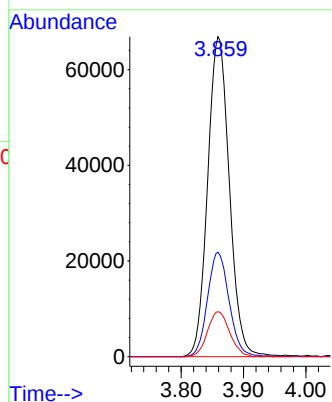
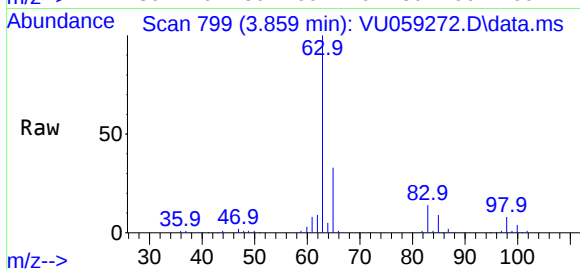
Tgt Ion: 63 Resp: 161791

Ion Ratio Lower Upper

63 100

65 32.6 21.8 40.6

83 14.0 9.9 18.5



#21

2-Butanone

Concen: 91.467 ug/L

RT: 4.689 min Scan# 1057

Delta R.T. -0.016 min

Lab File: VU059272.D

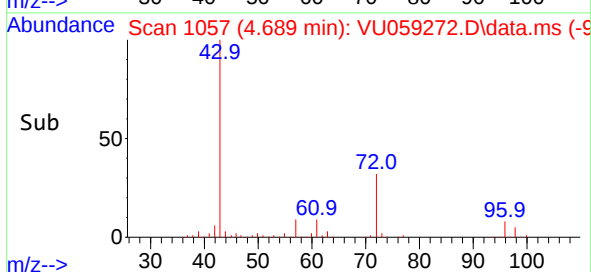
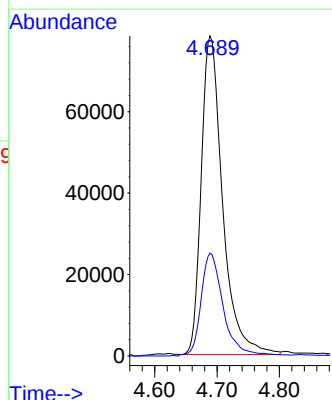
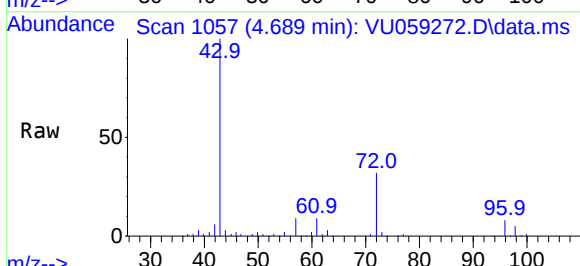
Acq: 17 Jun 2024 11:19

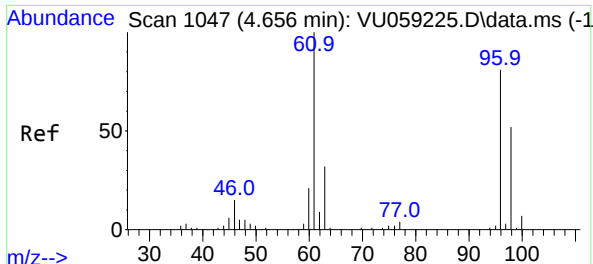
Tgt Ion: 43 Resp: 186298

Ion Ratio Lower Upper

43 100

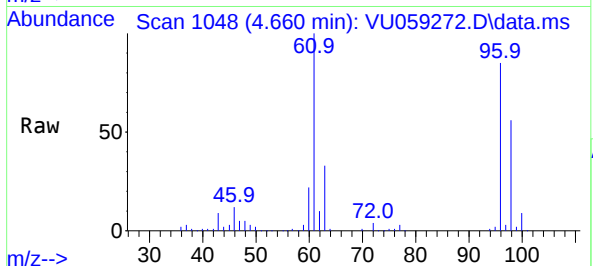
72 33.6 13.8 41.4



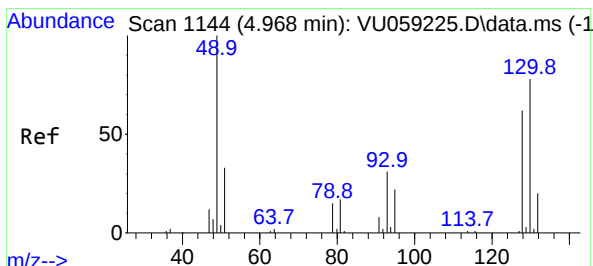
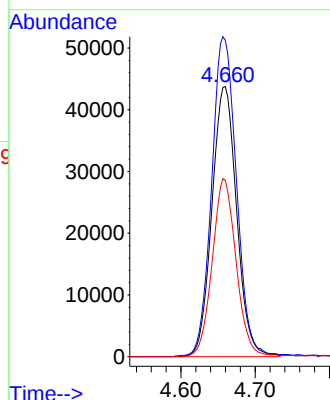
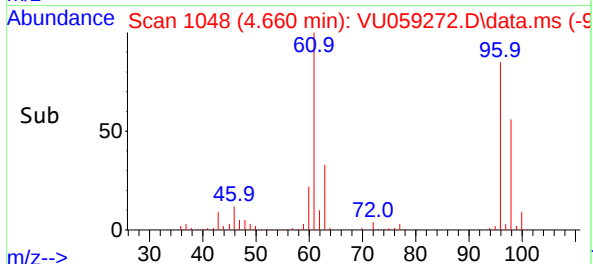


#22  
cis-1,2-Dichloroethene  
Concen: 11.497 ug/L  
RT: 4.660 min Scan# 1047  
Delta R.T. 0.003 min  
Lab File: VU059272.D  
Acq: 17 Jun 2024 11:19

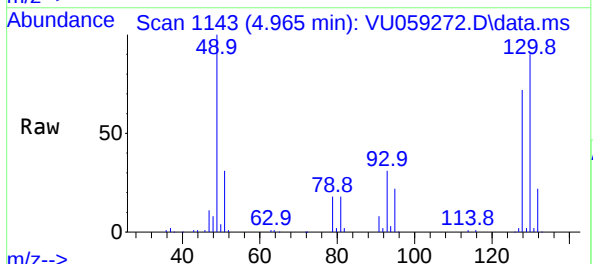
Instrument :  
MSVOA\_U  
ClientSampleId :



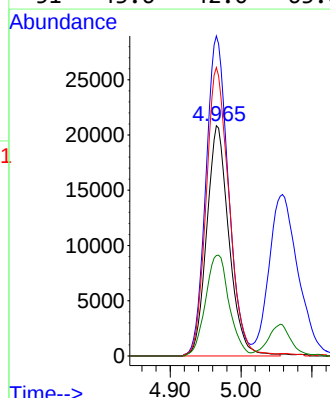
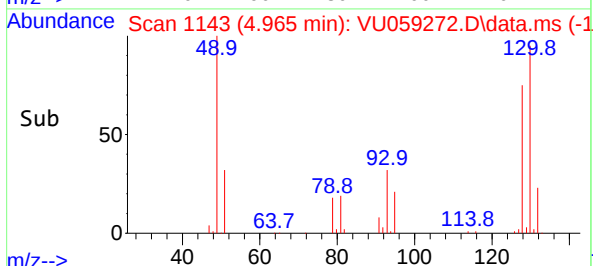
Tgt Ion: 96 Resp: 101292  
Ion Ratio Lower Upper  
96 100  
61 117.1 87.4 162.2  
98 65.3 42.3 78.5

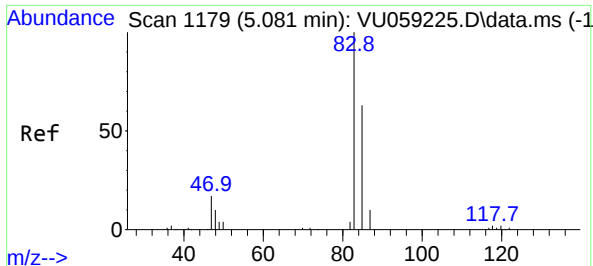


#23  
Bromochloromethane  
Concen: 11.659 ug/L  
RT: 4.965 min Scan# 1143  
Delta R.T. -0.003 min  
Lab File: VU059272.D  
Acq: 17 Jun 2024 11:19



Tgt Ion:128 Resp: 45366  
Ion Ratio Lower Upper  
128 100  
49 138.9 117.0 217.4  
130 125.3 89.6 166.4  
51 43.6 42.0 63.0

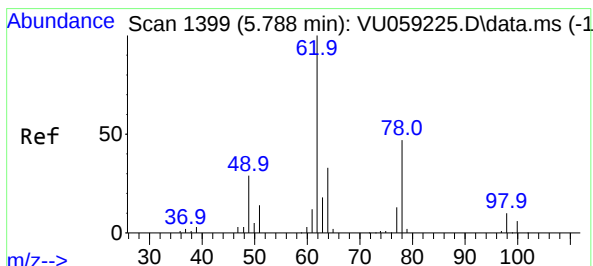
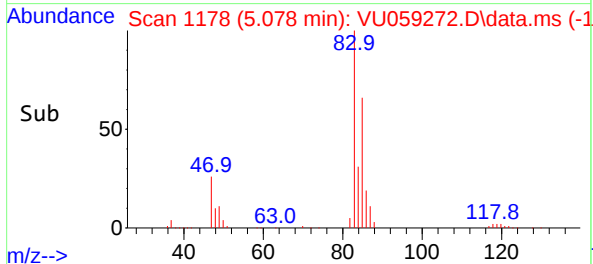
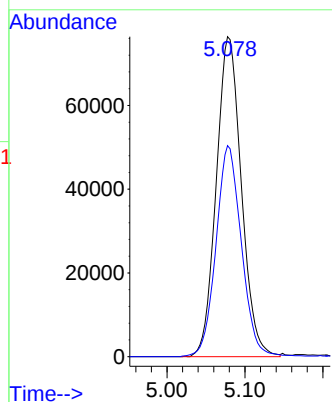
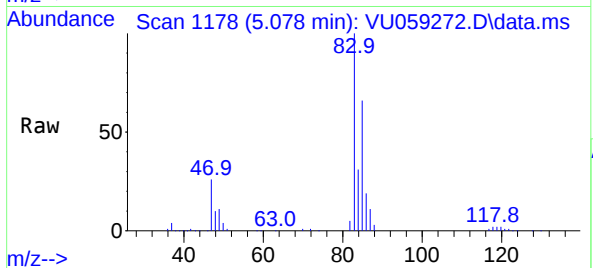




#25  
Chloroform  
Concen: 10.227 ug/L  
RT: 5.078 min Scan# 1179  
Delta R.T. -0.003 min  
Lab File: VU059272.D  
Acq: 17 Jun 2024 11:19

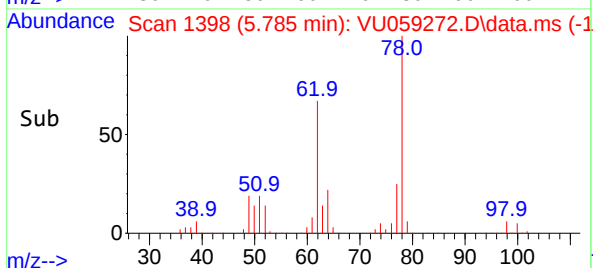
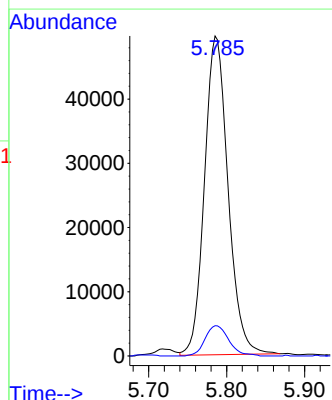
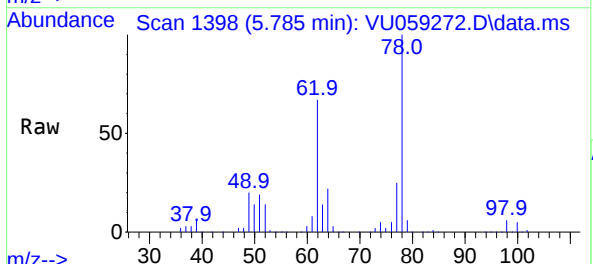
Instrument :  
MSVOA\_U  
ClientSampleId :

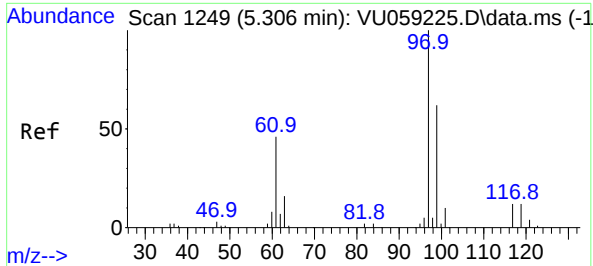
Tgt Ion: 83 Resp: 170956  
Ion Ratio Lower Upper  
83 100  
85 65.9 44.7 83.1



#27  
1,2-Dichloroethane  
Concen: 10.212 ug/L  
RT: 5.785 min Scan# 1398  
Delta R.T. -0.003 min  
Lab File: VU059272.D  
Acq: 17 Jun 2024 11:19

Tgt Ion: 62 Resp: 104298  
Ion Ratio Lower Upper  
62 100  
98 9.5 7.5 11.3



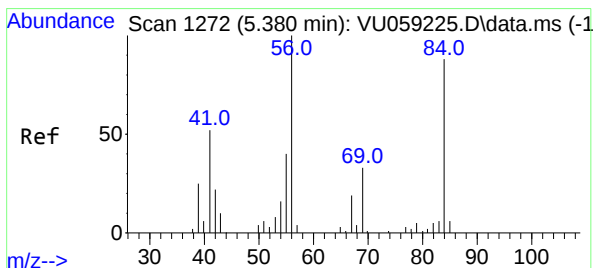
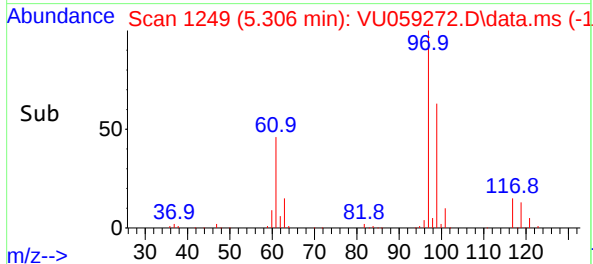
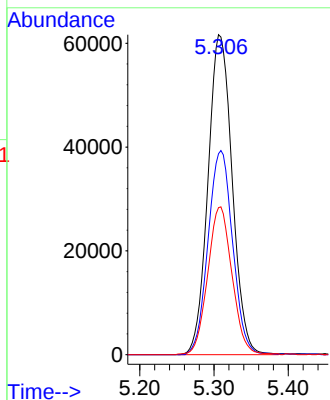
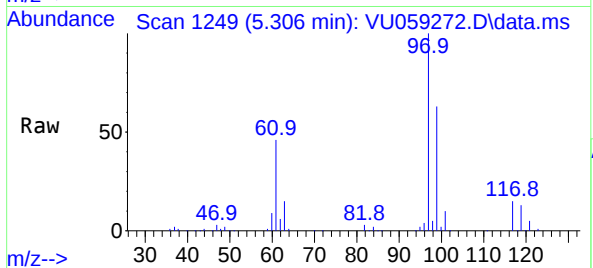


#29  
1,1,1-Trichloroethane  
Concen: 10.698 ug/L  
RT: 5.306 min Scan# 1249  
Delta R.T. -0.000 min  
Lab File: VU059272.D  
Acq: 17 Jun 2024 11:19

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 97 Resp: 139890

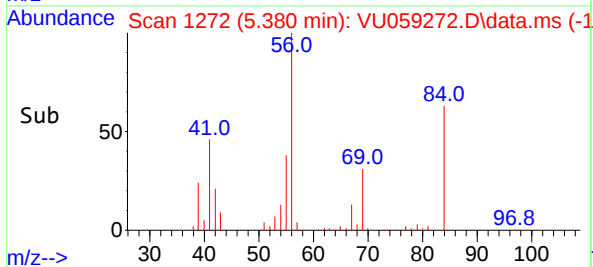
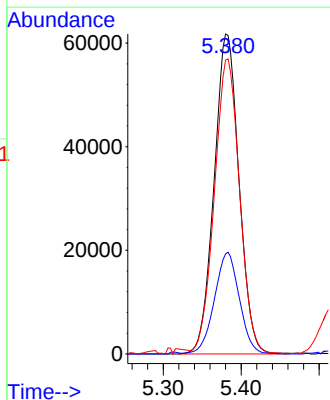
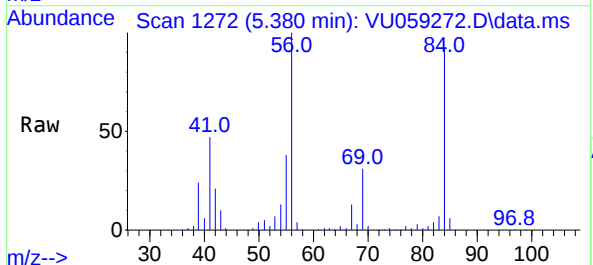
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 64.6  | 51.8  | 77.6  |
| 61  | 46.4  | 37.4  | 56.2  |

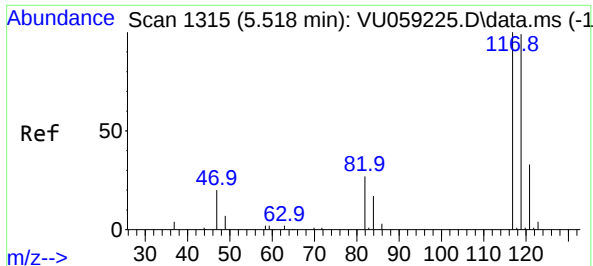


#30  
Cyclohexane  
Concen: 11.065 ug/L  
RT: 5.380 min Scan# 1272  
Delta R.T. -0.000 min  
Lab File: VU059272.D  
Acq: 17 Jun 2024 11:19

Tgt Ion: 56 Resp: 136790

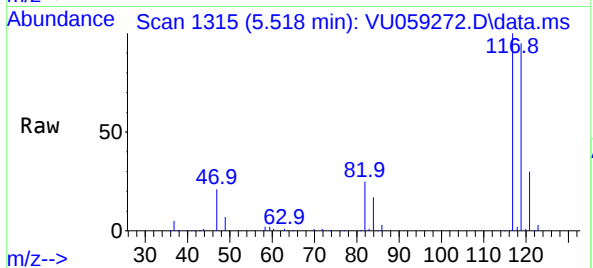
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 31.9  | 24.8  | 37.2  |
| 84  | 93.6  | 69.8  | 104.8 |



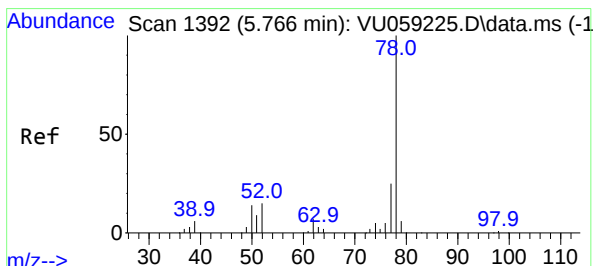
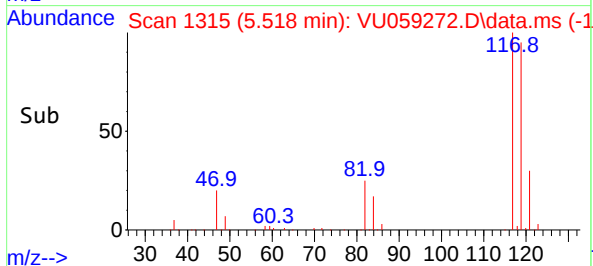
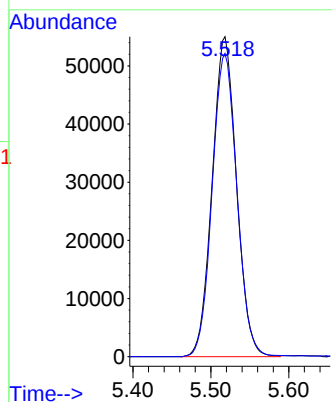


#31  
Carbon tetrachloride  
Concen: 10.946 ug/L  
RT: 5.518 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU059272.D  
Acq: 17 Jun 2024 11:19

Instrument :  
MSVOA\_U  
ClientSampleId :

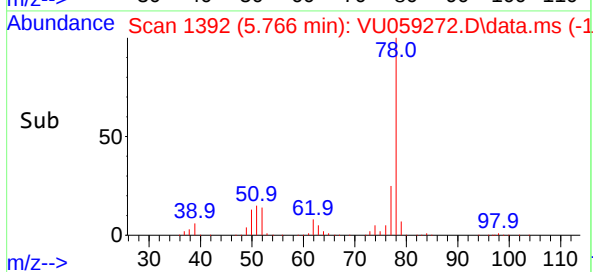
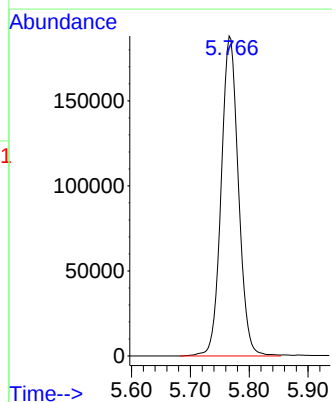
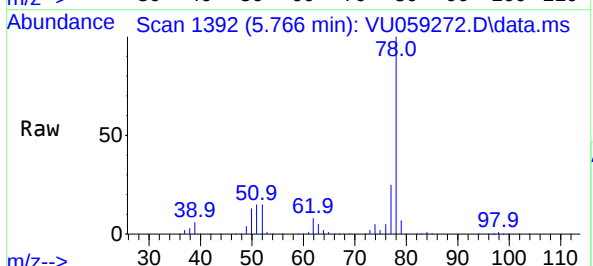


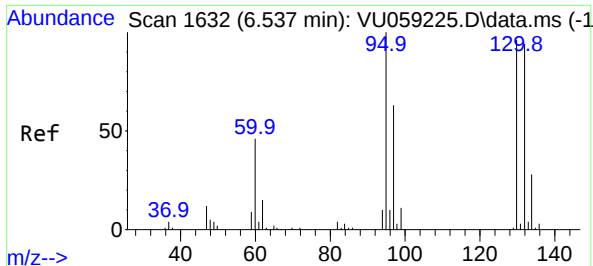
Tgt Ion:117 Resp: 119389  
Ion Ratio Lower Upper  
117 100  
119 96.5 77.5 116.3



#33  
Benzene  
Concen: 11.152 ug/L  
RT: 5.766 min Scan# 1392  
Delta R.T. -0.000 min  
Lab File: VU059272.D  
Acq: 17 Jun 2024 11:19

Tgt Ion: 78 Resp: 383308

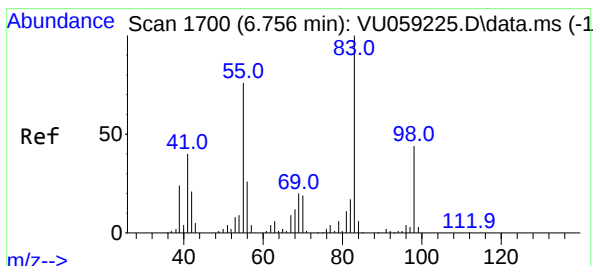
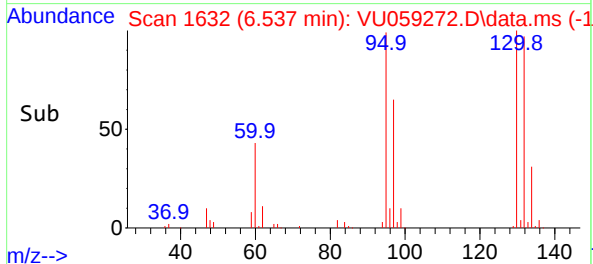
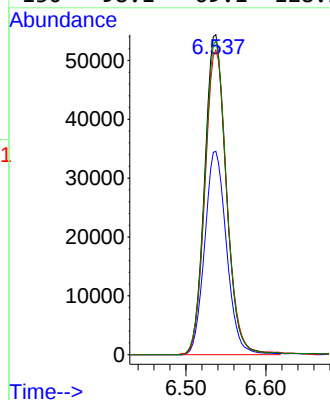
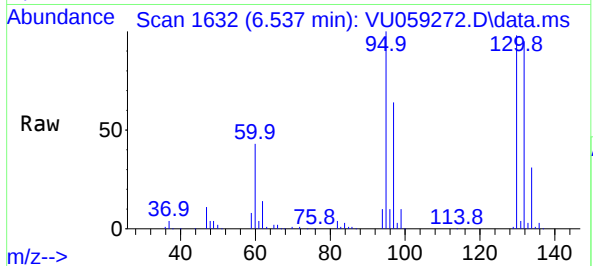




#34  
Trichloroethene  
Concen: 11.252 ug/L  
RT: 6.537 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VU059272.D  
Acq: 17 Jun 2024 11:19

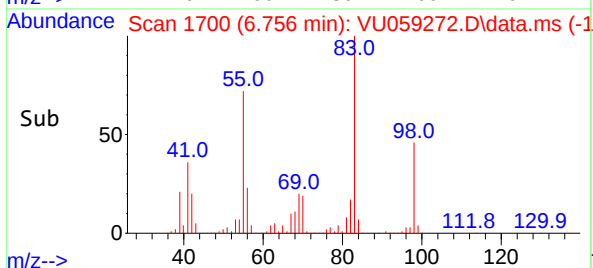
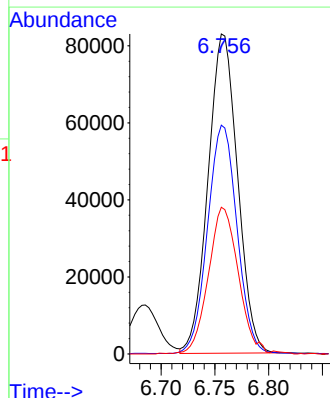
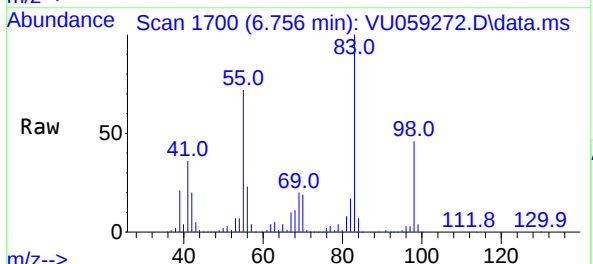
Instrument :  
MSVOA\_U  
ClientSampleId :

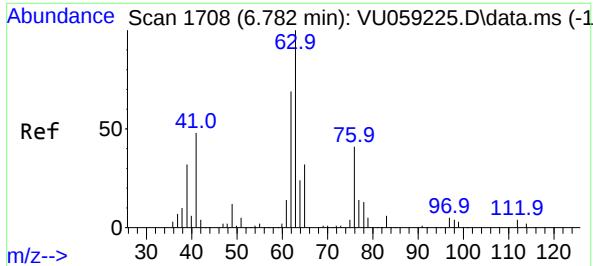
Tgt Ion: 95 Resp: 102313  
Ion Ratio Lower Upper  
95 100  
97 63.5 45.3 84.1  
132 95.2 64.0 119.0  
130 98.1 69.1 128.3



#35  
Methylcyclohexane  
Concen: 12.206 ug/L  
RT: 6.756 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VU059272.D  
Acq: 17 Jun 2024 11:19

Tgt Ion: 83 Resp: 158337  
Ion Ratio Lower Upper  
83 100  
55 72.2 62.7 94.1  
98 46.1 35.4 53.0

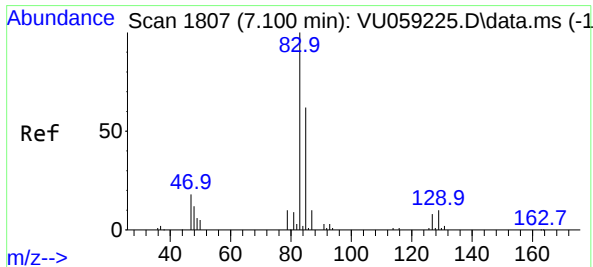
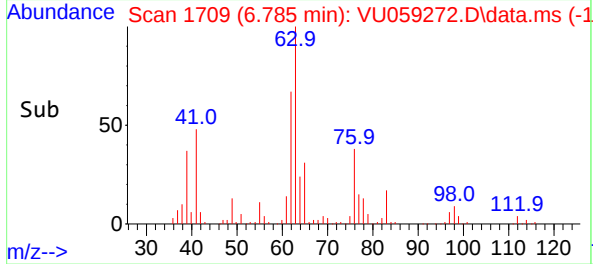
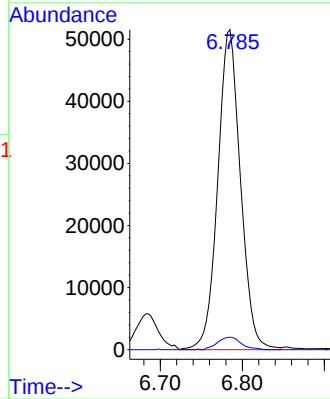
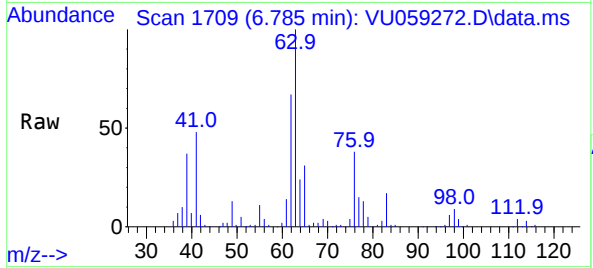




#37  
1,2-Dichloropropane  
Concen: 10.177 ug/L  
RT: 6.785 min Scan# 1708  
Delta R.T. 0.003 min  
Lab File: VU059272.D  
Acq: 17 Jun 2024 11:19

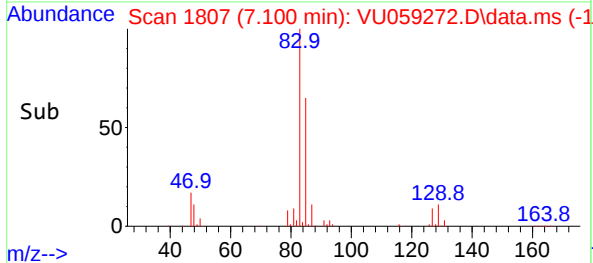
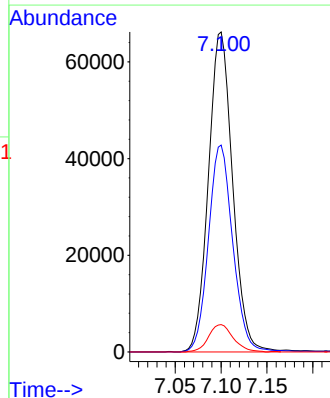
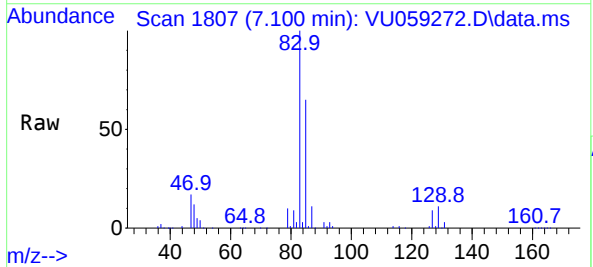
Instrument :  
MSVOA\_U  
ClientSampleId :

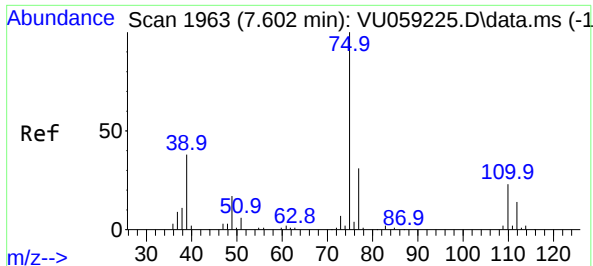
Tgt Ion: 63 Resp: 99303  
Ion Ratio Lower Upper  
63 100  
112 4.1 2.6 3.8#



#38  
Bromodichloromethane  
Concen: 10.402 ug/L  
RT: 7.100 min Scan# 1807  
Delta R.T. 0.000 min  
Lab File: VU059272.D  
Acq: 17 Jun 2024 11:19

Tgt Ion: 83 Resp: 121661  
Ion Ratio Lower Upper  
83 100  
85 64.7 42.7 79.3  
127 8.5 6.1 9.1

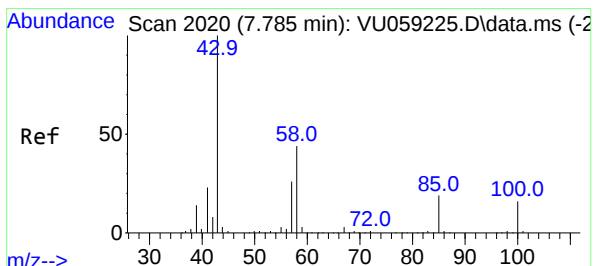
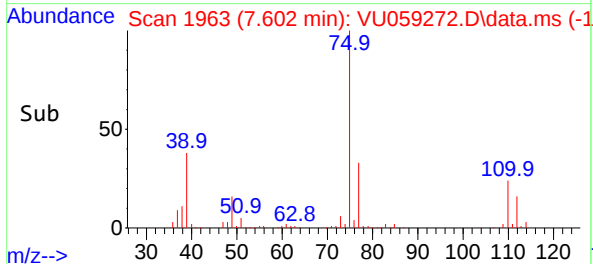
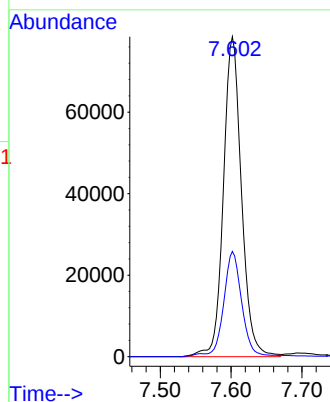
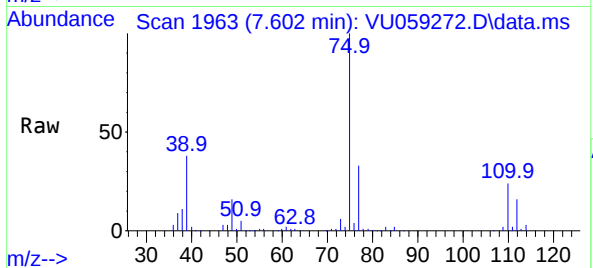




#39  
cis-1,3-Dichloropropene  
Concen: 10.475 ug/L  
RT: 7.602 min Scan# 1963  
Delta R.T. -0.000 min  
Lab File: VU059272.D  
Acq: 17 Jun 2024 11:19

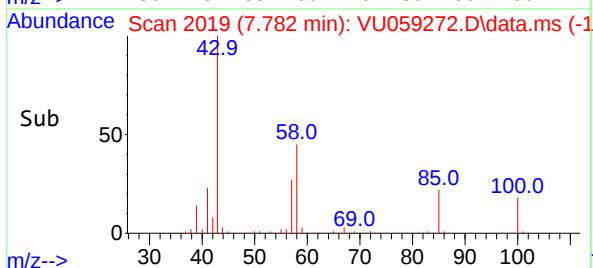
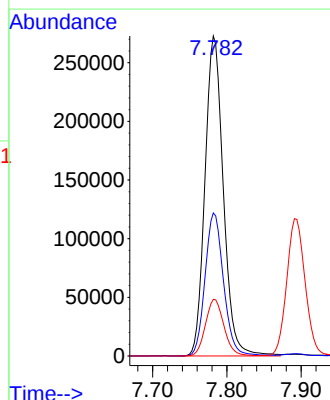
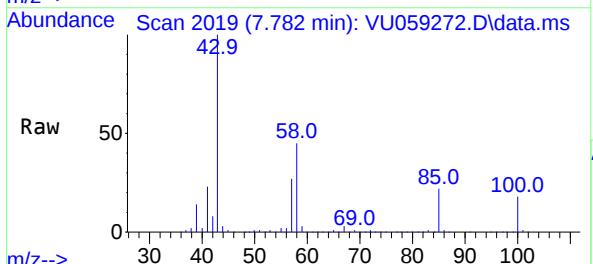
Instrument :  
MSVOA\_U  
ClientSampleId :

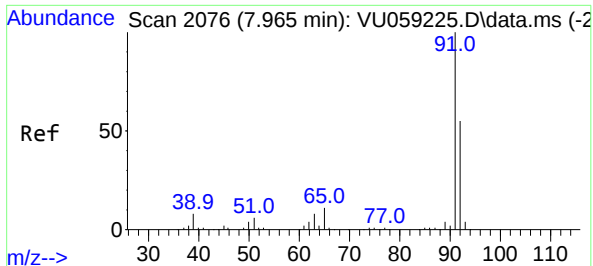
Tgt Ion: 75 Resp: 139293  
Ion Ratio Lower Upper  
75 100  
77 32.9 22.0 40.8



#40  
4-Methyl-2-pentanone  
Concen: 92.973 ug/L  
RT: 7.782 min Scan# 2019  
Delta R.T. -0.003 min  
Lab File: VU059272.D  
Acq: 17 Jun 2024 11:19

Tgt Ion: 43 Resp: 468881  
Ion Ratio Lower Upper  
43 100  
58 45.0 34.0 51.0  
100 17.8 12.1 18.1





#42

Toluene

Concen: 11.812 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU059272.D

Acq: 17 Jun 2024 11:19

Instrument :

MSVOA\_U

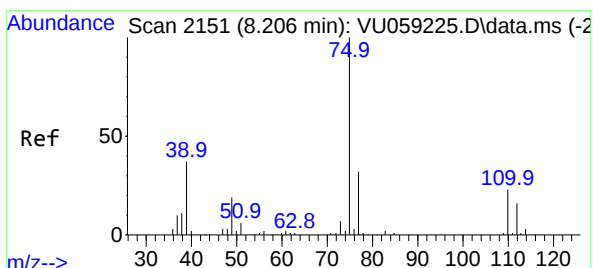
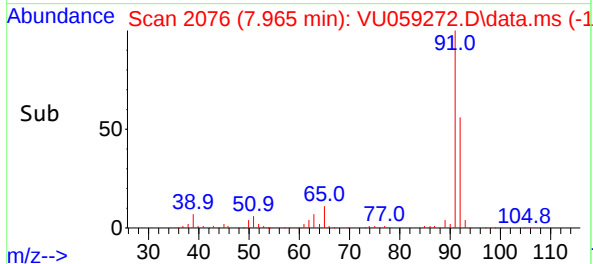
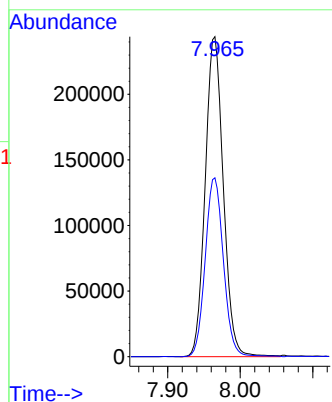
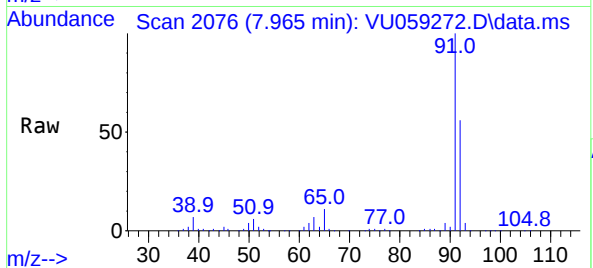
ClientSampleId :

Tgt Ion: 91 Resp: 423473

Ion Ratio Lower Upper

91 100

92 55.9 39.7 73.7



#44

trans-1,3-Dichloropropene

Concen: 10.446 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU059272.D

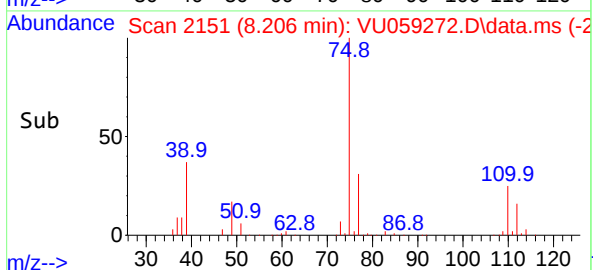
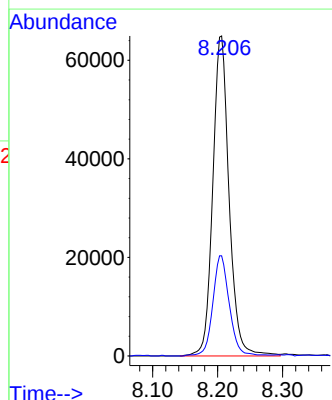
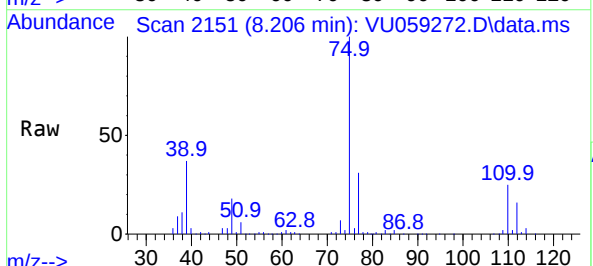
Acq: 17 Jun 2024 11:19

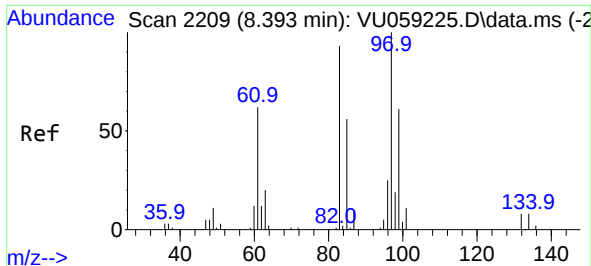
Tgt Ion: 75 Resp: 113340

Ion Ratio Lower Upper

75 100

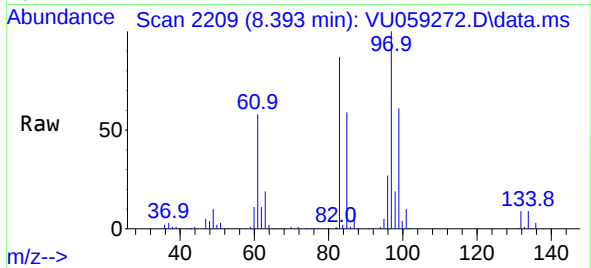
77 31.3 22.0 41.0





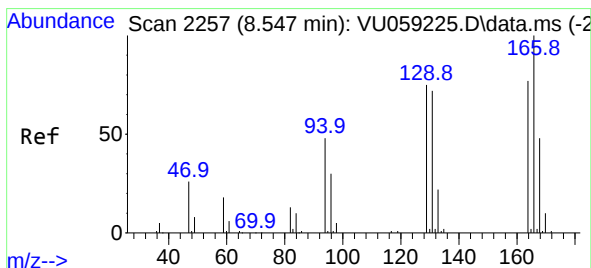
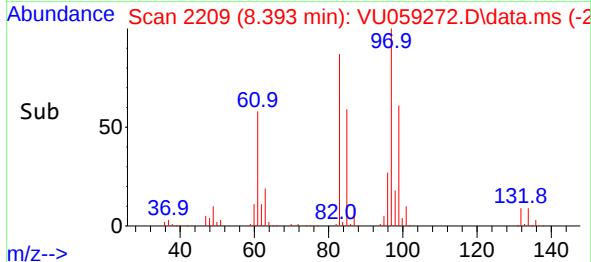
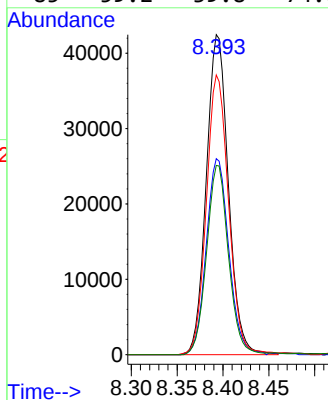
#45  
1,1,2-Trichloroethane  
Concen: 10.392 ug/L  
RT: 8.393 min Scan# 2209  
Delta R.T. -0.000 min  
Lab File: VU059272.D  
Acq: 17 Jun 2024 11:19

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion: 97 Resp: 71331

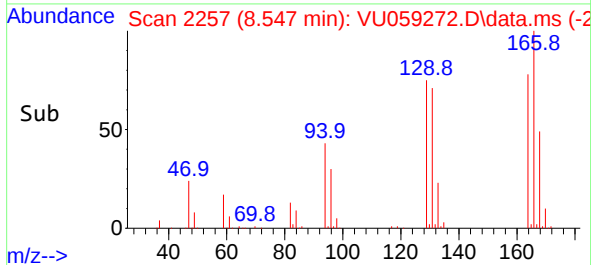
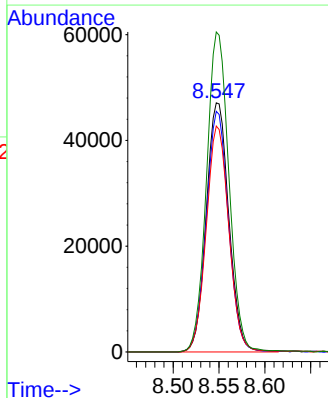
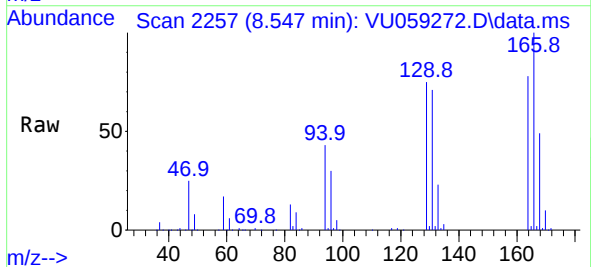
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 61.2  | 43.3  | 80.3  |
| 83  | 87.4  | 62.3  | 115.7 |
| 85  | 59.2  | 39.8  | 74.0  |

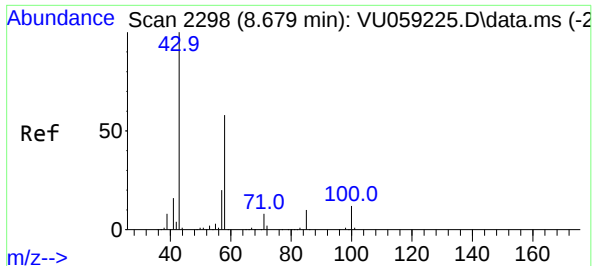


#47  
Tetrachloroethene  
Concen: 12.496 ug/L  
RT: 8.547 min Scan# 2257  
Delta R.T. -0.000 min  
Lab File: VU059272.D  
Acq: 17 Jun 2024 11:19

Tgt Ion: 164 Resp: 80945

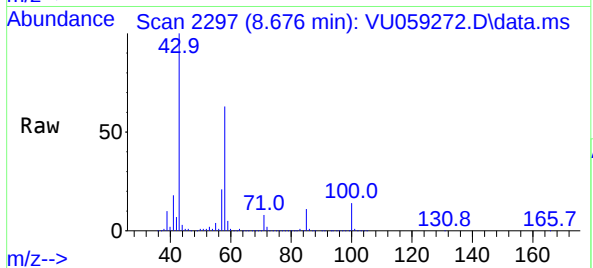
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 96.6  | 70.8  | 131.4 |
| 131 | 90.7  | 64.8  | 120.3 |
| 166 | 128.4 | 91.1  | 169.1 |



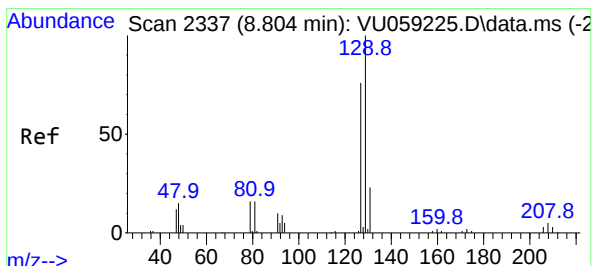
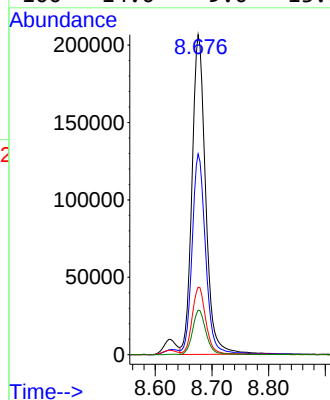
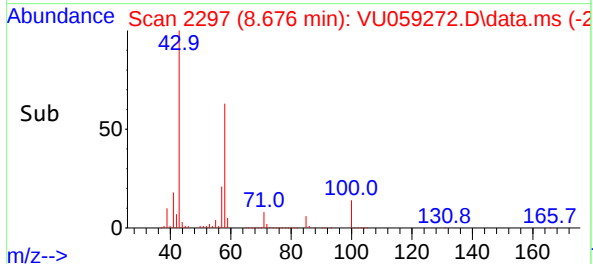


#48  
2-Hexanone  
Concen: 94.847 ug/L  
RT: 8.676 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU059272.D  
Acq: 17 Jun 2024 11:19

Instrument :  
MSVOA\_U  
ClientSampleId :

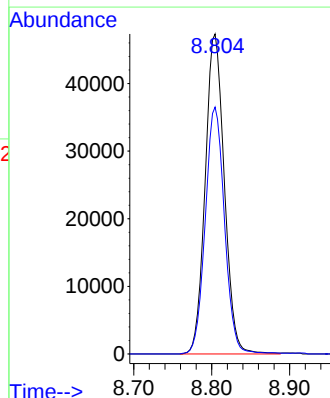
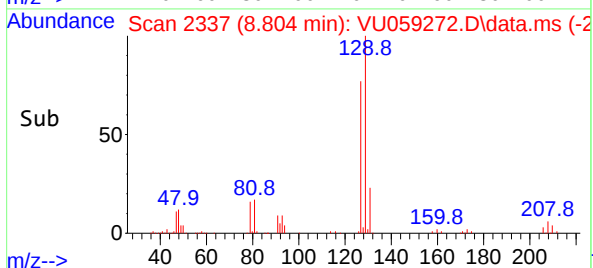
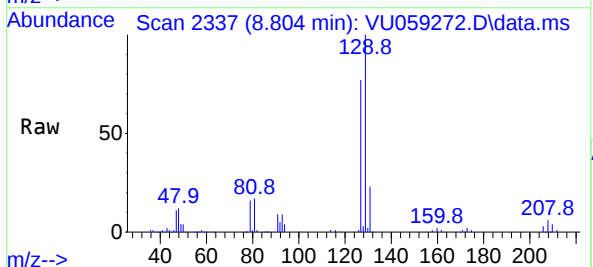


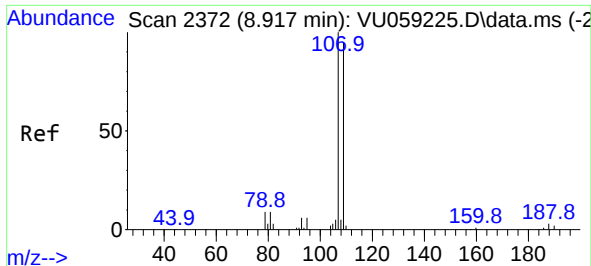
Tgt Ion: 43 Resp: 344704  
Ion Ratio Lower Upper  
43 100  
58 60.5 46.1 69.1  
57 21.2 15.5 23.3  
100 14.0 9.0 13.6#



#49  
Dibromochloromethane  
Concen: 11.146 ug/L  
RT: 8.804 min Scan# 2337  
Delta R.T. 0.000 min  
Lab File: VU059272.D  
Acq: 17 Jun 2024 11:19

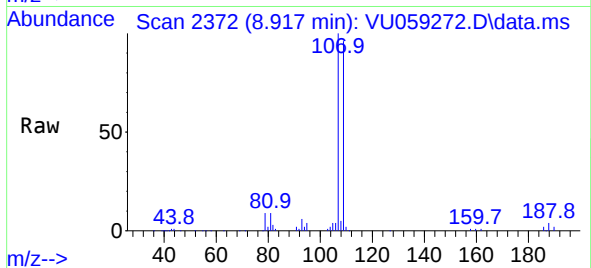
Tgt Ion: 129 Resp: 80680  
Ion Ratio Lower Upper  
129 100  
127 77.1 52.5 97.5



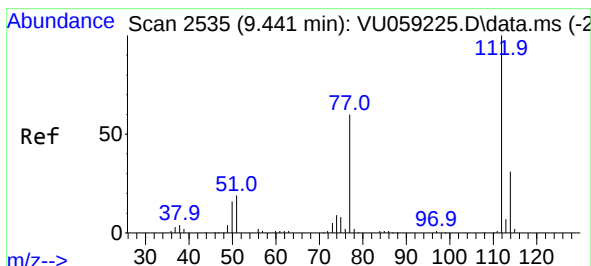
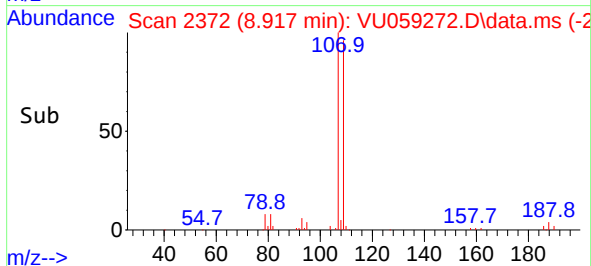
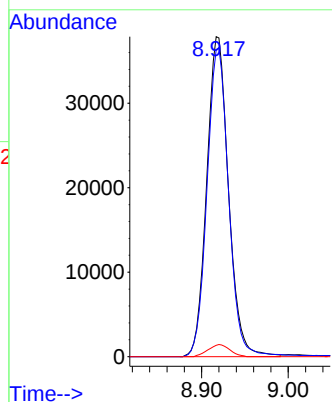


#50  
1,2-Dibromoethane  
Concen: 10.906 ug/L  
RT: 8.917 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU059272.D  
Acq: 17 Jun 2024 11:19

Instrument :  
MSVOA\_U  
ClientSampleId :

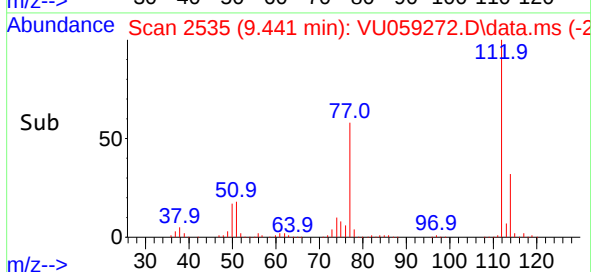
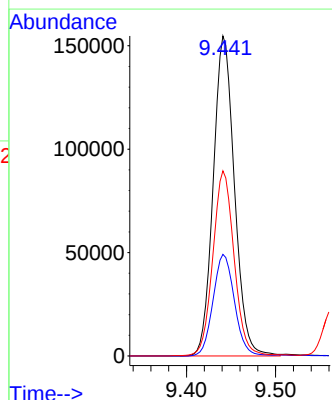
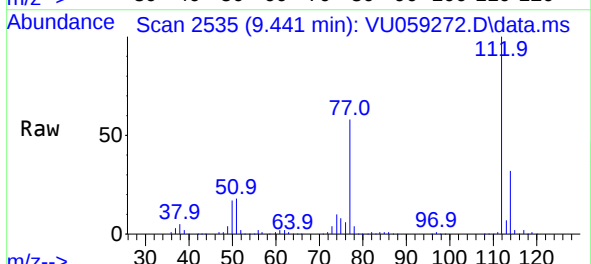


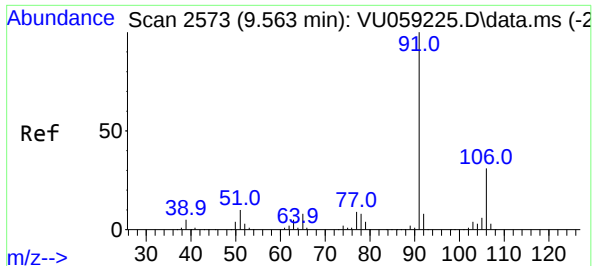
Tgt Ion:107 Resp: 66151  
Ion Ratio Lower Upper  
107 100  
109 96.0 66.9 124.3  
188 3.6 2.7 4.1



#51  
Chlorobenzene  
Concen: 11.209 ug/L  
RT: 9.441 min Scan# 2535  
Delta R.T. -0.000 min  
Lab File: VU059272.D  
Acq: 17 Jun 2024 11:19

Tgt Ion:112 Resp: 256089  
Ion Ratio Lower Upper  
112 100  
114 31.8 22.4 41.6  
77 57.9 49.1 73.7

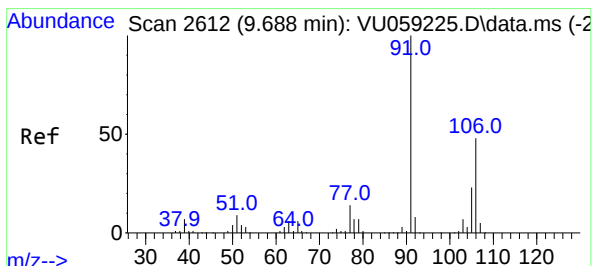
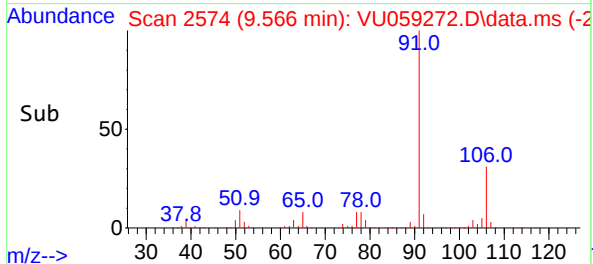
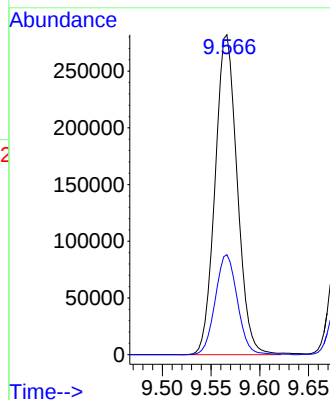
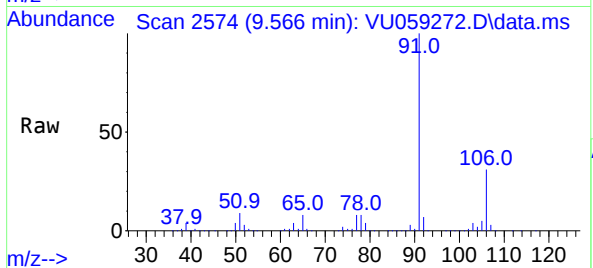




#52  
Ethylbenzene  
Concen: 11.507 ug/L  
RT: 9.566 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU059272.D  
Acq: 17 Jun 2024 11:19

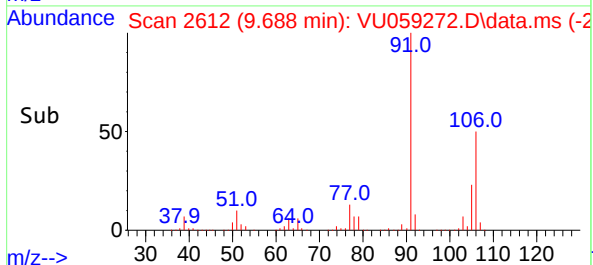
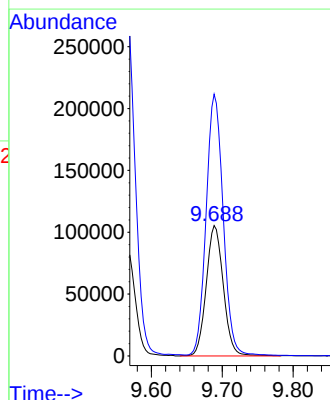
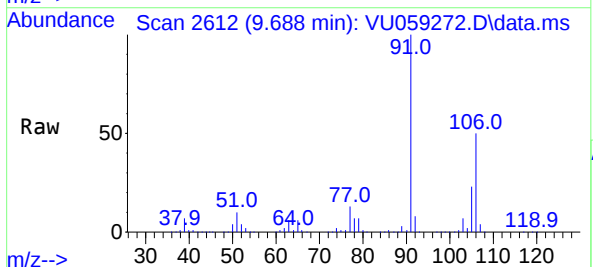
Instrument :  
MSVOA\_U  
ClientSampleId :

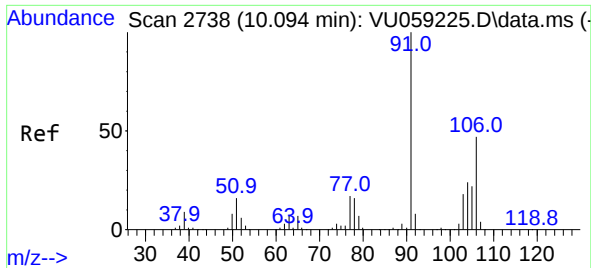
Tgt Ion: 91 Resp: 445390  
Ion Ratio Lower Upper  
91 100  
106 31.2 20.9 38.7



#53  
m,p-Xylene  
Concen: 12.467 ug/L  
RT: 9.688 min Scan# 2612  
Delta R.T. 0.000 min  
Lab File: VU059272.D  
Acq: 17 Jun 2024 11:19

Tgt Ion:106 Resp: 176606  
Ion Ratio Lower Upper  
106 100  
91 200.7 142.0 263.8

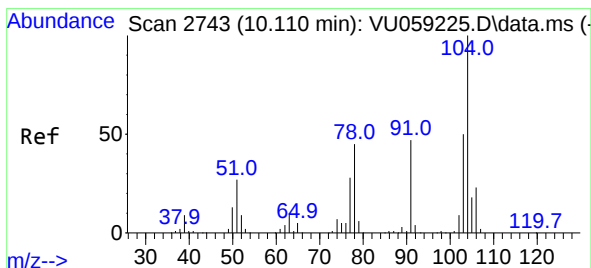
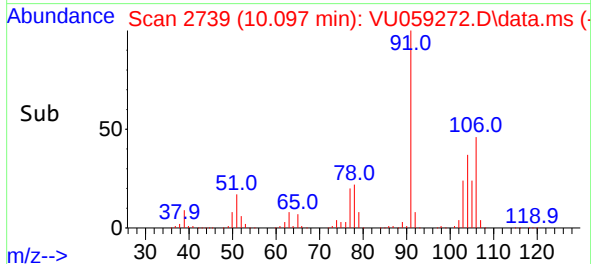
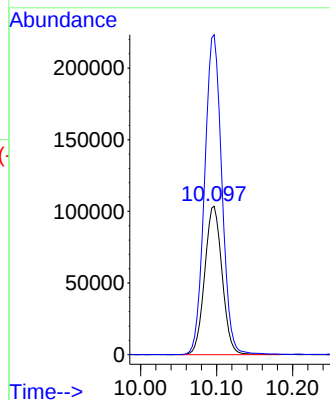
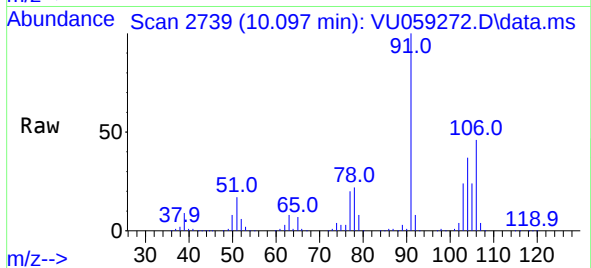




#54  
o-Xylene  
Concen: 11.903 ug/L  
RT: 10.097 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU059272.D  
Acq: 17 Jun 2024 11:19

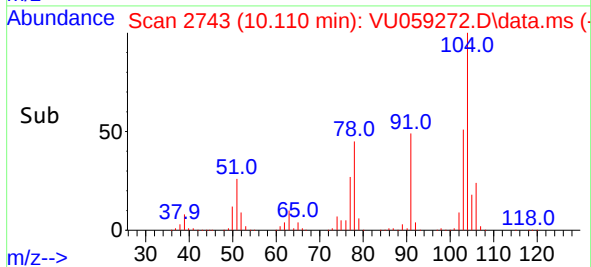
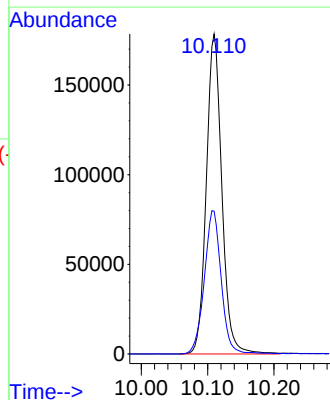
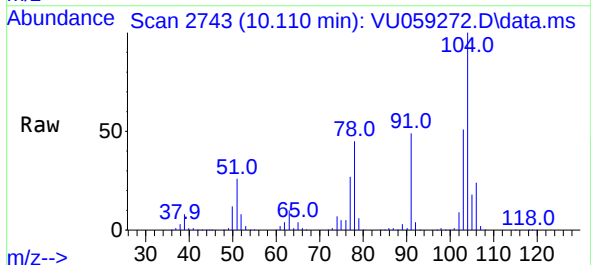
Instrument :  
MSVOA\_U  
ClientSampleId :

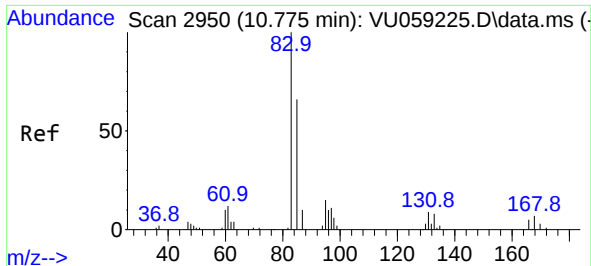
Tgt Ion:106 Resp: 164914  
Ion Ratio Lower Upper  
106 100  
91 215.5 151.6 281.6



#55  
Styrene  
Concen: 12.458 ug/L  
RT: 10.110 min Scan# 2743  
Delta R.T. -0.000 min  
Lab File: VU059272.D  
Acq: 17 Jun 2024 11:19

Tgt Ion:104 Resp: 290373  
Ion Ratio Lower Upper  
104 100  
78 44.6 32.3 60.1





#57

1,1,2,2-Tetrachloroethane

Concen: 9.830 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. -0.000 min

Lab File: VU059272.D

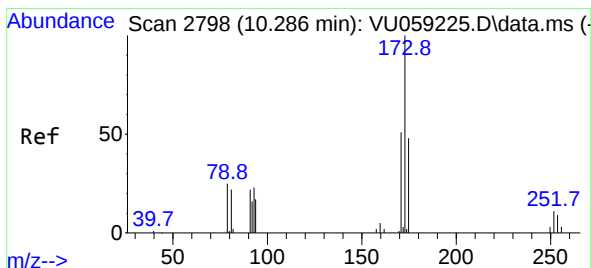
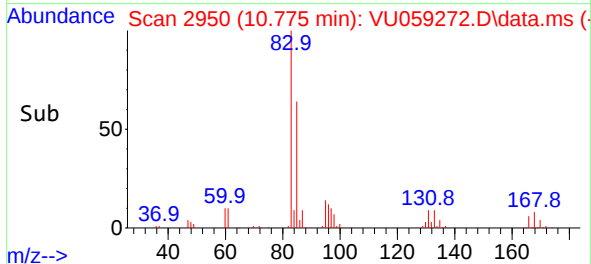
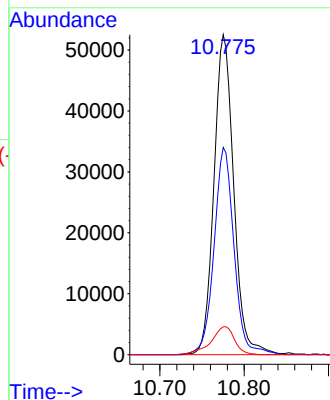
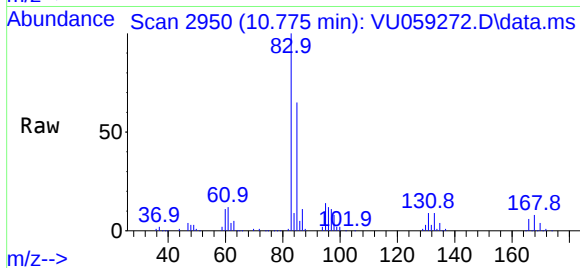
Acq: 17 Jun 2024 11:19

Instrument :

MSVOA\_U

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 85546 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 64.8  | 44.7  | 82.9  |
| 131      | 8.7   | 6.9   | 10.3  |



#59

Bromoform

Concen: 10.634 ug/L

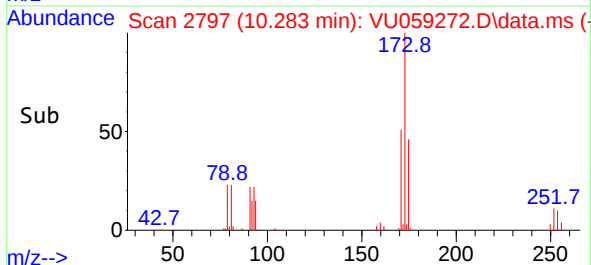
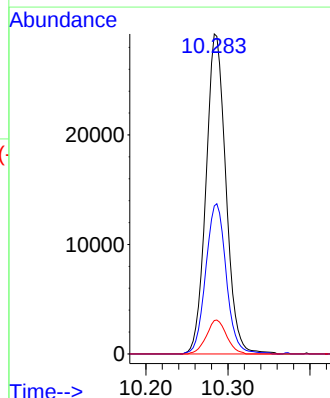
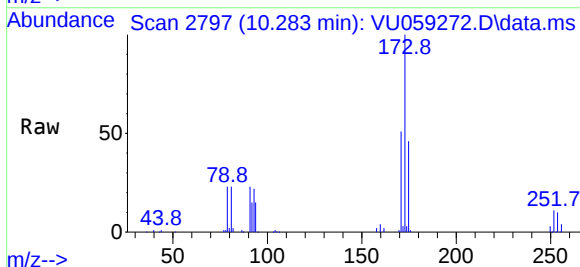
RT: 10.283 min Scan# 2797

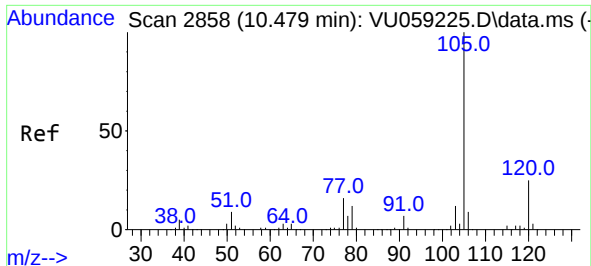
Delta R.T. -0.003 min

Lab File: VU059272.D

Acq: 17 Jun 2024 11:19

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 49232 |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 48.4  | 39.4  | 59.2  |
| 254      | 10.8  | 7.4   | 11.2  |

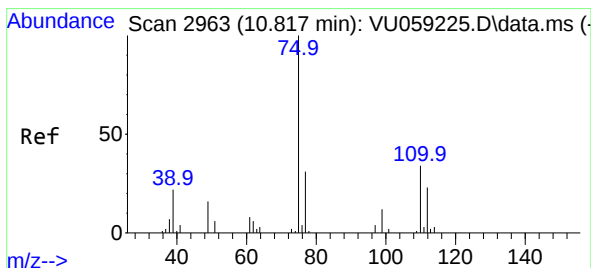
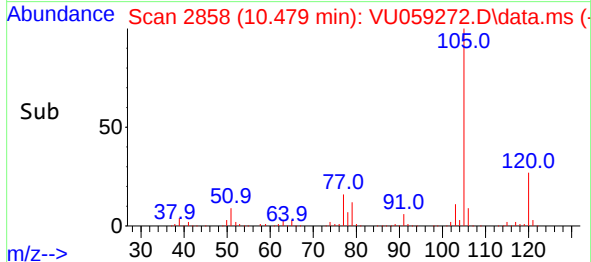
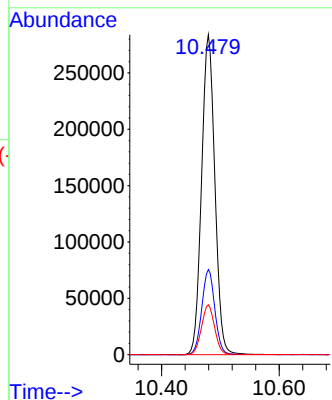
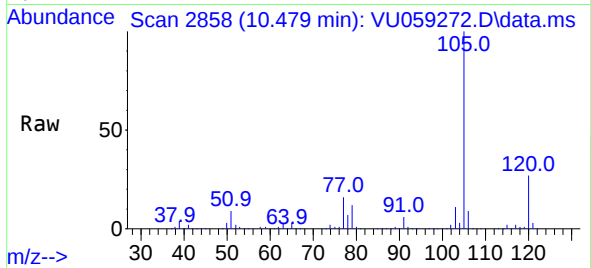




#60  
Isopropylbenzene  
Concen: 10.957 ug/L  
RT: 10.479 min Scan# 2858  
Delta R.T. 0.000 min  
Lab File: VU059272.D  
Acq: 17 Jun 2024 11:19

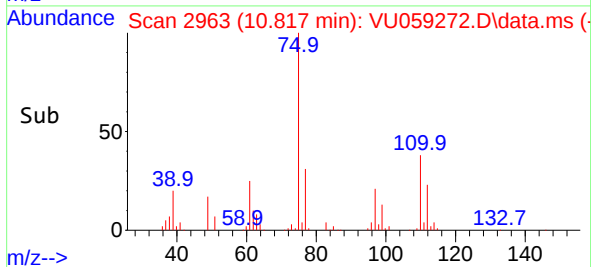
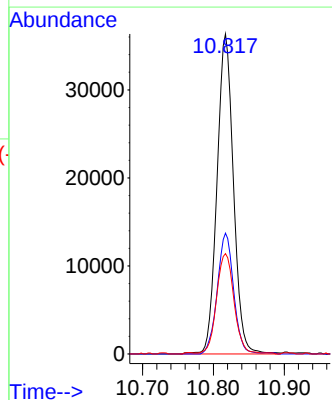
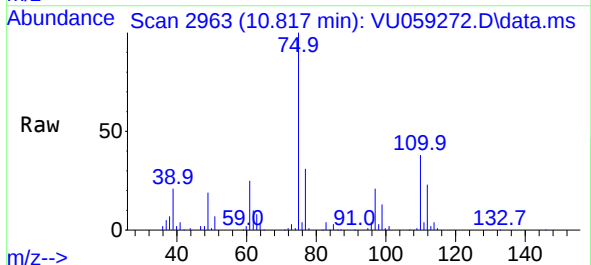
Instrument :  
MSVOA\_U  
ClientSampleId :

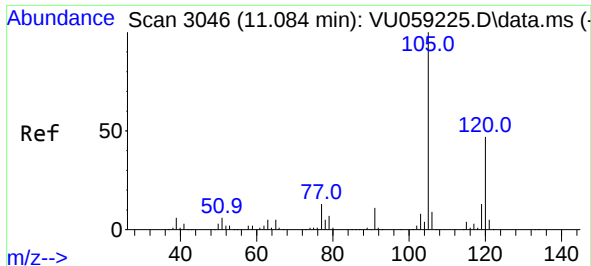
Tgt Ion:105 Resp: 444469  
Ion Ratio Lower Upper  
105 100  
120 26.2 20.6 31.0  
77 15.5 12.8 19.2



#61  
1,2,3-Trichloropropane  
Concen: 8.985 ug/L  
RT: 10.817 min Scan# 2963  
Delta R.T. -0.000 min  
Lab File: VU059272.D  
Acq: 17 Jun 2024 11:19

Tgt Ion: 75 Resp: 58625  
Ion Ratio Lower Upper  
75 100  
110 37.4 27.1 40.7  
77 32.3 25.4 38.2

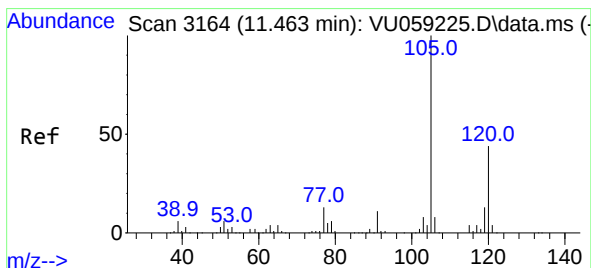
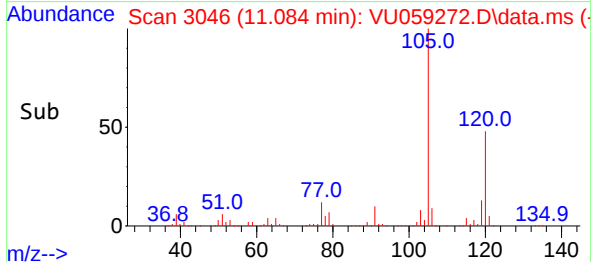
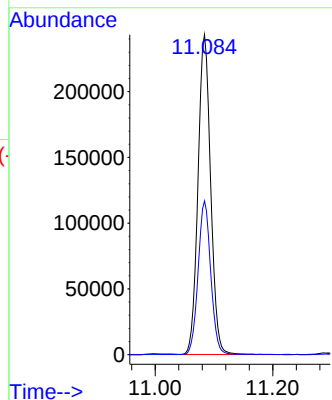
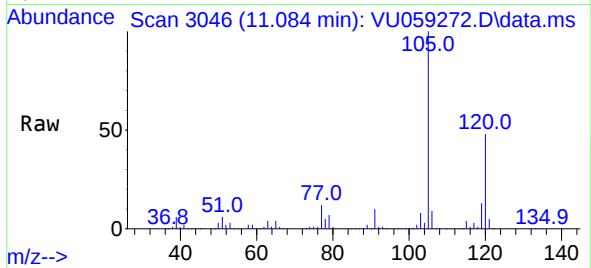




#62  
1,3,5-Trimethylbenzene  
Concen: 11.220 ug/L  
RT: 11.084 min Scan# 3046  
Delta R.T. -0.000 min  
Lab File: VU059272.D  
Acq: 17 Jun 2024 11:19

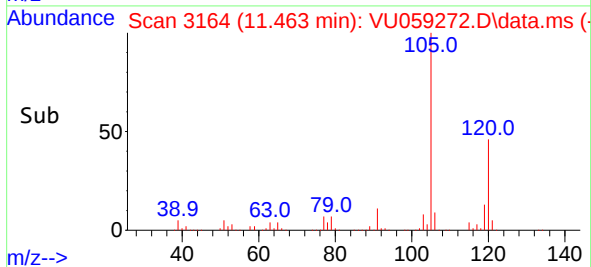
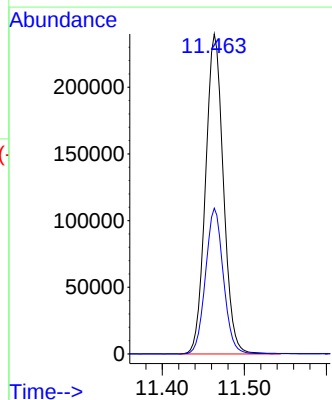
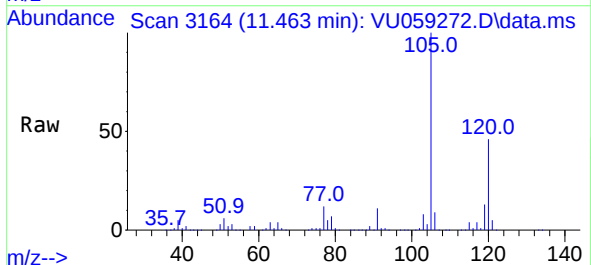
Instrument :  
MSVOA\_U  
ClientSampleId :

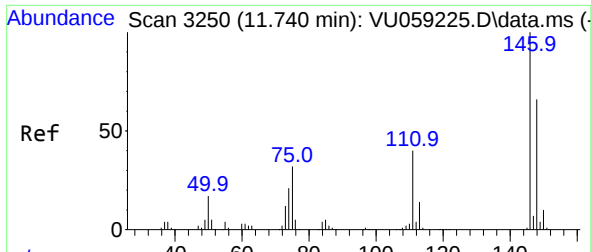
Tgt Ion:105 Resp: 362753  
Ion Ratio Lower Upper  
105 100  
120 47.9 38.2 57.4



#63  
1,2,4-Trimethylbenzene  
Concen: 11.312 ug/L  
RT: 11.463 min Scan# 3164  
Delta R.T. 0.000 min  
Lab File: VU059272.D  
Acq: 17 Jun 2024 11:19

Tgt Ion:105 Resp: 362637  
Ion Ratio Lower Upper  
105 100  
120 45.6 35.4 53.0

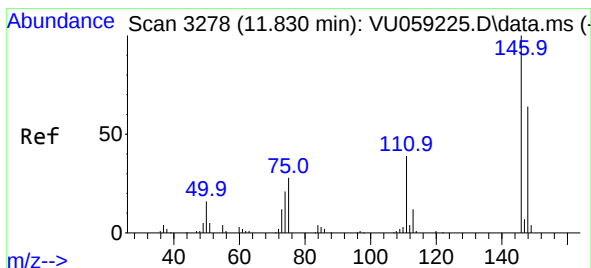
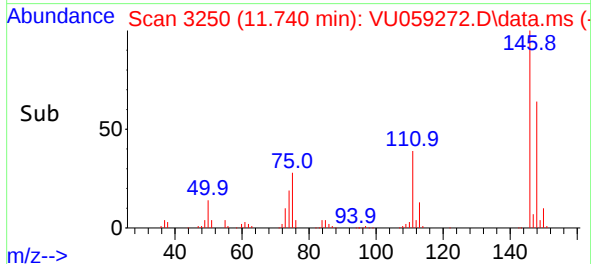
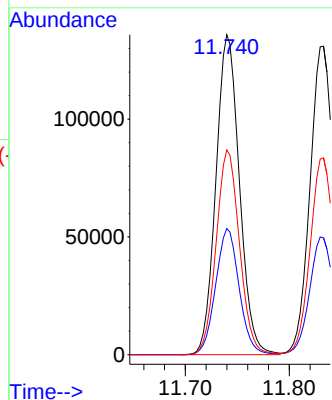
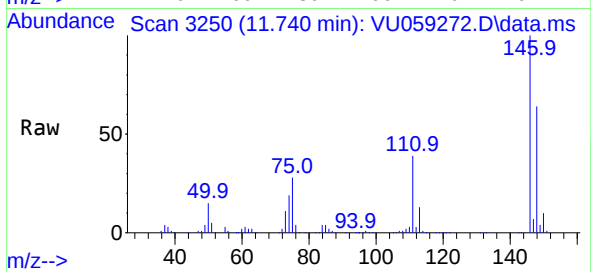




#64  
1,3-Dichlorobenzene  
Concen: 10.827 ug/L  
RT: 11.740 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VU059272.D  
Acq: 17 Jun 2024 11:19

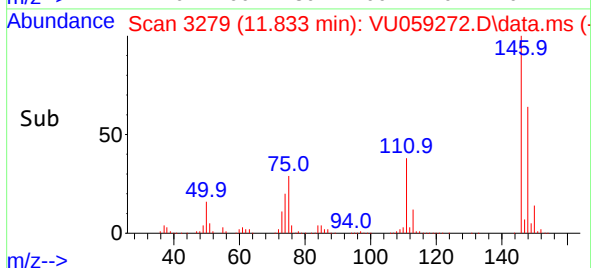
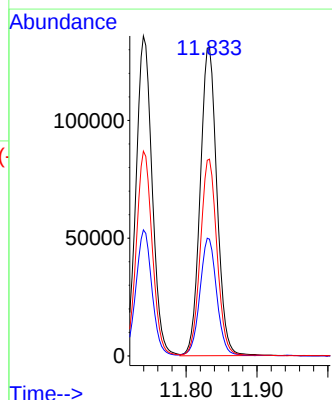
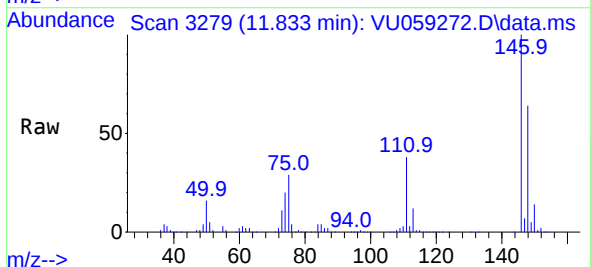
Instrument :  
MSVOA\_U  
ClientSampleId :

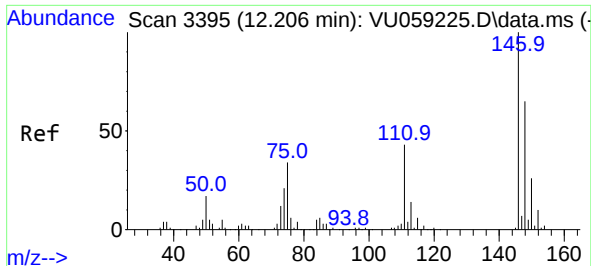
Tgt Ion:146 Resp: 213685  
Ion Ratio Lower Upper  
146 100  
111 39.4 27.4 51.0  
148 64.0 45.0 83.6



#65  
1,4-Dichlorobenzene  
Concen: 10.905 ug/L  
RT: 11.833 min Scan# 3279  
Delta R.T. 0.003 min  
Lab File: VU059272.D  
Acq: 17 Jun 2024 11:19

Tgt Ion:146 Resp: 214815  
Ion Ratio Lower Upper  
146 100  
111 37.9 26.9 50.1  
148 63.8 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 10.622 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU059272.D

Acq: 17 Jun 2024 11:19

Instrument :

MSVOA\_U

ClientSampleId :

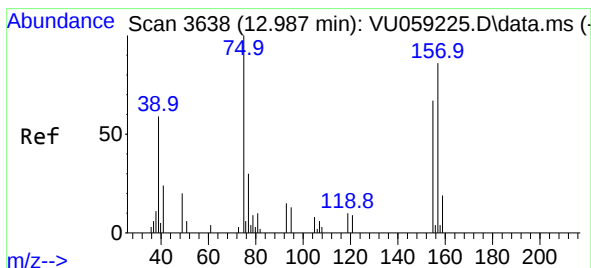
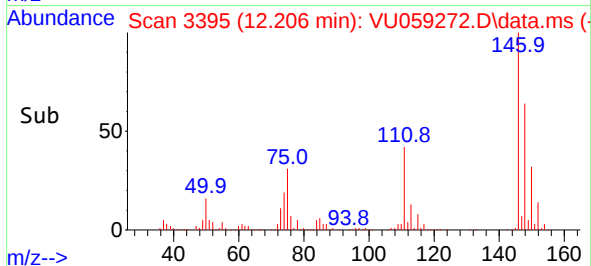
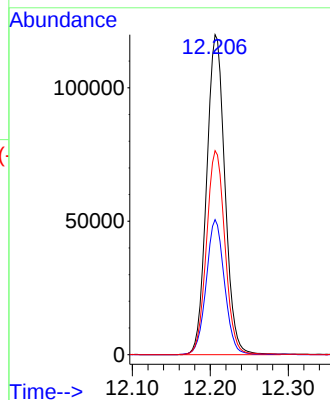
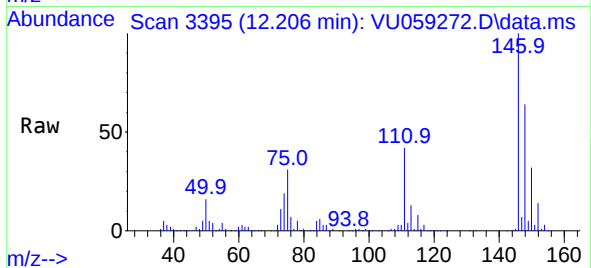
Tgt Ion:146 Resp: 195931

Ion Ratio Lower Upper

146 100

111 42.2 33.4 50.0

148 63.8 49.7 74.5



#68

1,2-Dibromo-3-chloropropane

Concen: 9.674 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.003 min

Lab File: VU059272.D

Acq: 17 Jun 2024 11:19

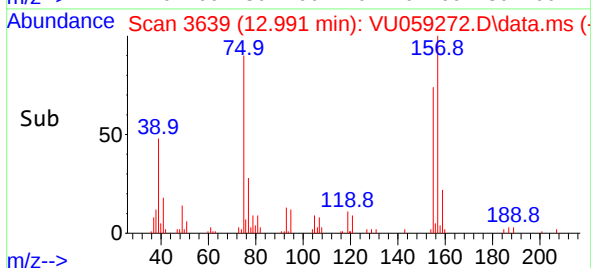
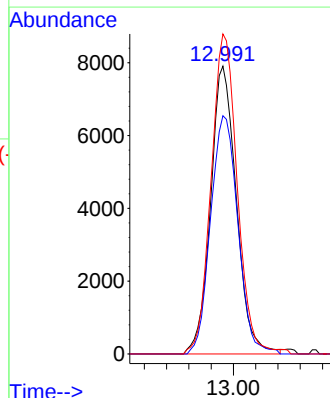
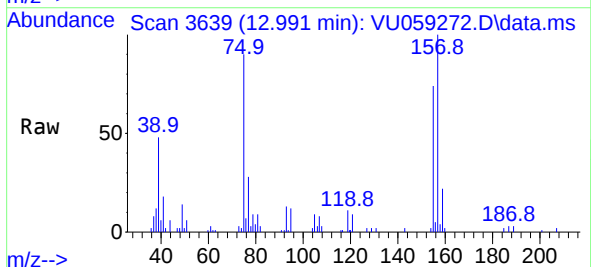
Tgt Ion: 75 Resp: 12697

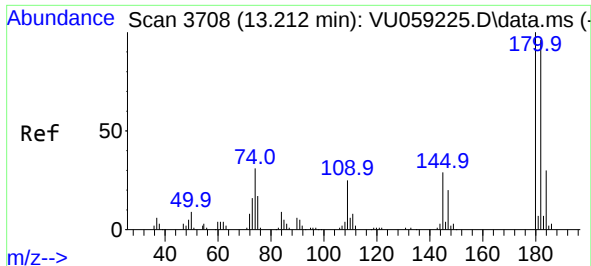
Ion Ratio Lower Upper

75 100

155 82.8 58.2 87.2

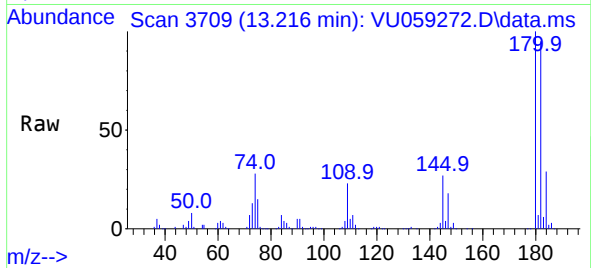
157 111.2 80.0 120.0



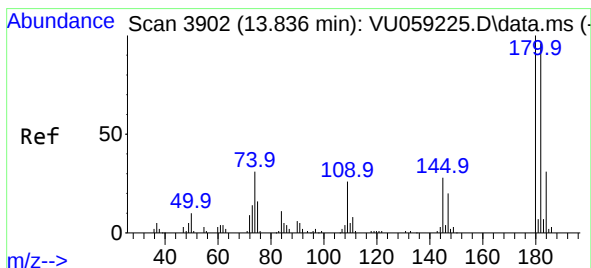
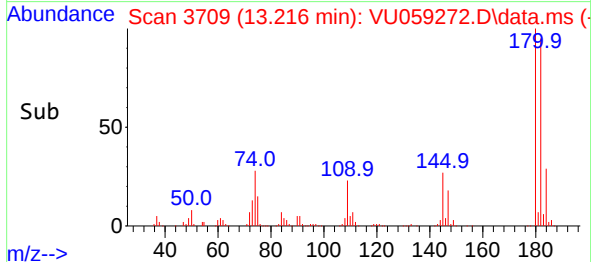
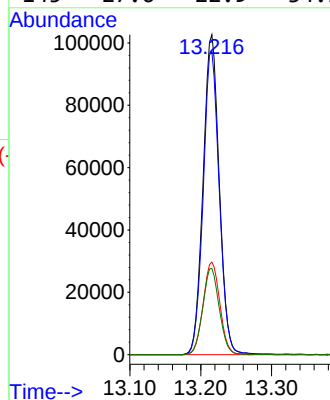


#69  
1,3,5-Trichlorobenzene  
Concen: 10.999 ug/L  
RT: 13.216 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VU059272.D  
Acq: 17 Jun 2024 11:19

Instrument :  
MSVOA\_U  
ClientSampleId :

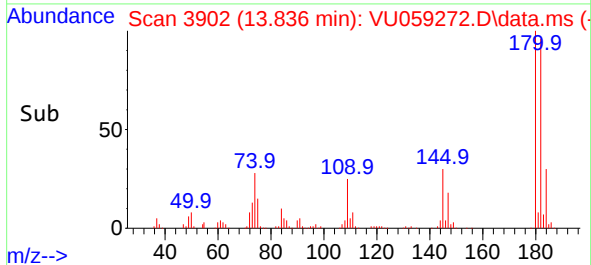
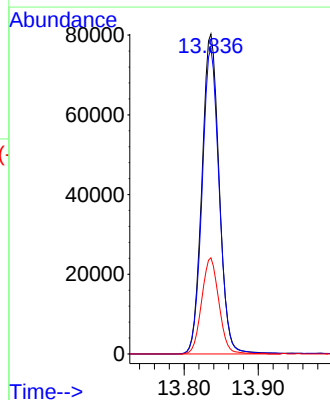
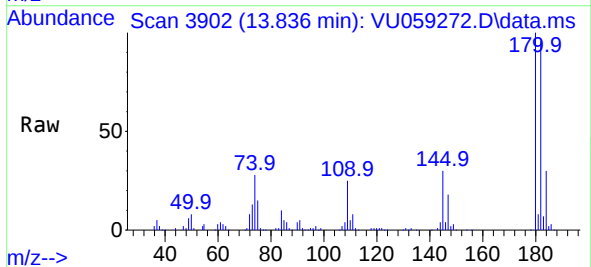


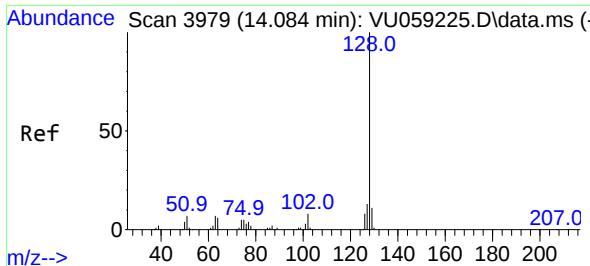
Tgt Ion:180 Resp: 162774  
Ion Ratio Lower Upper  
180 100  
182 94.1 75.4 113.0  
184 29.8 23.0 34.6  
145 27.6 22.9 34.3



#70  
1,2,4-trichlorobenzene  
Concen: 10.592 ug/L  
RT: 13.836 min Scan# 3902  
Delta R.T. -0.000 min  
Lab File: VU059272.D  
Acq: 17 Jun 2024 11:19

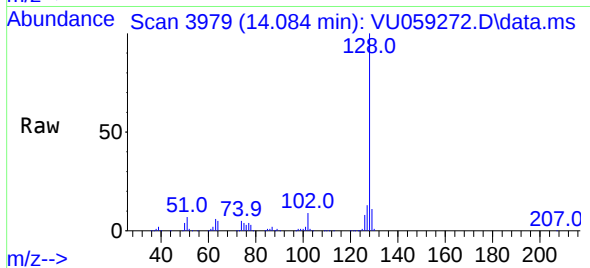
Tgt Ion:180 Resp: 129354  
Ion Ratio Lower Upper  
180 100  
182 94.9 74.9 112.3  
145 30.0 23.9 35.9



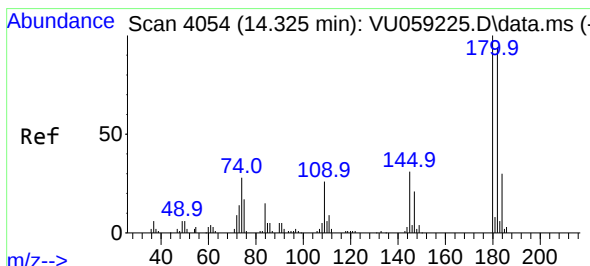
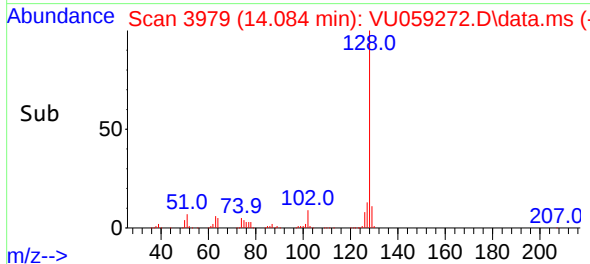
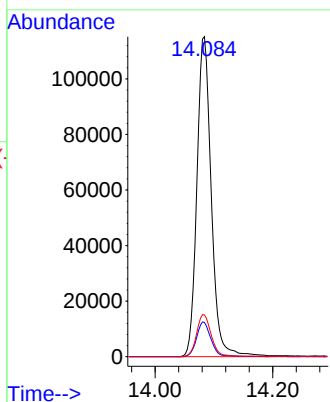


#71  
Naphthalene  
Concen: 10.636 ug/L  
RT: 14.084 min Scan# 3979  
Delta R.T. -0.000 min  
Lab File: VU059272.D  
Acq: 17 Jun 2024 11:19

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion:128 Resp: 195756  
Ion Ratio Lower Upper  
128 100  
129 10.8 8.2 12.4  
127 13.6 10.2 15.4



#72  
1,2,3-Trichlorobenzene  
Concen: 11.108 ug/L  
RT: 14.325 min Scan# 4054  
Delta R.T. -0.000 min  
Lab File: VU059272.D  
Acq: 17 Jun 2024 11:19

Tgt Ion:180 Resp: 119051  
Ion Ratio Lower Upper  
180 100  
182 94.5 77.0 115.6  
145 30.9 26.2 39.4

