

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU061724\  
 Data File : VU059294.D  
 Acq On : 17 Jun 2024 20:51  
 Operator : MD/SY  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jun 18 04:24:43 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR061724WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Mon Jun 17 12:07:46 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114   | 106717   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.415  | 117   | 107827   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.811 | 152   | 57045    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 34065    | 4.591    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 91.800%  |
| 7) Chloroethane-d5            | 1.907  | 69    | 33461    | 4.686    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 93.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 13778    | 4.475    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 89.600%  |
| 20) 2-Butanone-d5             | 4.615  | 46    | 89577    | 58.603   | ug/L   | -0.01    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 117.200% |
| 24) Chloroform-d              | 5.055  | 84    | 74463    | 4.889    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 97.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 37635    | 5.130    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 102.600% |
| 32) Benzene-d6                | 5.721  | 84    | 143870   | 4.848    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 97.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.685  | 67    | 44348    | 4.877    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 97.600%  |
| 41) Toluene-d8                | 7.894  | 98    | 128504   | 4.658    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 93.200%  |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79    | 13871    | 4.871    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 97.400%  |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 71265    | 60.235   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 120.480% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753 | 84    | 40848    | 5.437    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 108.800% |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152   | 49556    | 4.881    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 97.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.380  | 85    | 46840    | 5.180    | ug/L   | 100      |
| 3) Chloromethane              | 1.522  | 50    | 50789    | 5.218    | ug/L   | 99       |
| 5) Vinyl chloride             | 1.602  | 62    | 56382    | 5.244    | ug/L   | 98       |
| 6) Bromomethane               | 1.850  | 94    | 36608    | 4.897    | ug/L   | 98       |
| 8) Chloroethane               | 1.927  | 64    | 34979    | 5.400    | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 2.133  | 101   | 68171    | 5.267    | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.576  | 101   | 41099    | 5.017    | ug/L   | 96       |
| 12) 1,1-Dichloroethene        | 2.573  | 96    | 39222    | 5.182    | ug/L   | 87       |
| 13) Acetone                   | 2.618  | 43    | 55708    | 56.183   | ug/L   | 96       |
| 14) Carbon disulfide          | 2.785  | 76    | 126493   | 5.009    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.946  | 43    | 15351    | 5.867    | ug/L   | 96       |
| 16) Methylene chloride        | 3.039  | 84    | 51739    | 5.769    | ug/L   | 93       |
| 17) Methyl tert-butyl Ether   | 3.354  | 73    | 90690    | 5.560    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.348  | 96    | 40656    | 5.165    | ug/L   | 91       |
| 19) 1,1-Dichloroethane        | 3.862  | 63    | 77503    | 5.339    | ug/L   | 100      |
| 21) 2-Butanone                | 4.692  | 43    | 95275    | 59.907   | ug/L   | 92       |
| 22) cis-1,2-Dichloroethene    | 4.663  | 96    | 45081    | 5.196    | ug/L   | 96       |
| 23) Bromochloromethane        | 4.968  | 128   | 22119    | 5.592    | ug/L   | 88       |
| 25) Chloroform                | 5.081  | 83    | 80643    | 5.275    | ug/L   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU061724\  
 Data File : VU059294.D  
 Acq On : 17 Jun 2024 20:51  
 Operator : MD/SY  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

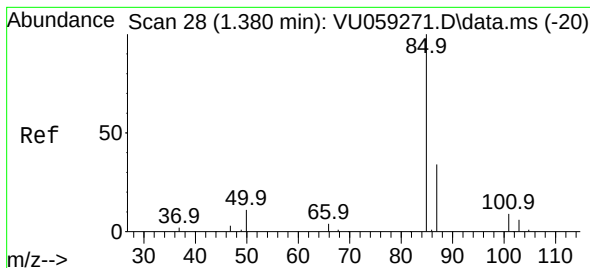
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 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Mon Jun 17 12:07:46 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.788  | 62   | 51099    | 5.516  | ug/L  | 100      |
| 29) 1,1,1-Trichloroethane     | 5.309  | 97   | 65133    | 5.231  | ug/L  | 99       |
| 30) Cyclohexane               | 5.383  | 56   | 56779    | 5.165  | ug/L  | 95       |
| 31) Carbon tetrachloride      | 5.518  | 117  | 56105    | 5.381  | ug/L  | 98       |
| 33) Benzene                   | 5.769  | 78   | 177186   | 5.411  | ug/L  | 100      |
| 34) Trichloroethene           | 6.537  | 95   | 47028    | 5.303  | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.759  | 83   | 63682    | 5.047  | ug/L  | 95       |
| 37) 1,2-Dichloropropane       | 6.785  | 63   | 47280    | 5.580  | ug/L  | 98       |
| 38) Bromodichloromethane      | 7.100  | 83   | 56764    | 5.367  | ug/L  | 95       |
| 39) cis-1,3-Dichloropropene   | 7.605  | 75   | 61249    | 5.285  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.785  | 43   | 238571   | 60.759 | ug/L  | 97       |
| 42) Toluene                   | 7.965  | 91   | 191349   | 5.520  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 8.206  | 75   | 49722    | 5.346  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 8.396  | 97   | 35452    | 5.678  | ug/L  | 98       |
| 47) Tetrachloroethene         | 8.550  | 164  | 35912    | 5.219  | ug/L  | 96       |
| 48) 2-Hexanone                | 8.679  | 43   | 176680   | 63.049 | ug/L  | 97       |
| 49) Dibromochloromethane      | 8.804  | 129  | 38150    | 5.515  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.920  | 107  | 33030    | 5.728  | ug/L  | 97       |
| 51) Chlorobenzene             | 9.444  | 112  | 119343   | 5.428  | ug/L  | 96       |
| 52) Ethylbenzene              | 9.566  | 91   | 191668   | 5.390  | ug/L  | 97       |
| 53) m,p-Xylene                | 9.688  | 106  | 74894    | 5.484  | ug/L  | 97       |
| 54) o-Xylene                  | 10.097 | 106  | 71042    | 5.481  | ug/L  | 97       |
| 55) Styrene                   | 10.113 | 104  | 126537   | 5.735  | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.778 | 83   | 42599    | 5.624  | ug/L  | 96       |
| 59) Bromoform                 | 10.287 | 173  | 24374    | 5.583  | ug/L  | 94       |
| 60) Isopropylbenzene          | 10.479 | 105  | 186837   | 5.302  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.817 | 75   | 30300    | 5.748  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 144538   | 5.177  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 143468   | 5.375  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.743 | 146  | 93834    | 5.235  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.833 | 146  | 92667    | 5.023  | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 12.209 | 146  | 89488    | 5.306  | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.994 | 75   | 6125     | 5.957  | ug/L  | 90       |
| 69) 1,3,5-Trichlorobenzene    | 13.216 | 180  | 65385    | 4.928  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.836 | 180  | 49616    | 4.875  | ug/L  | 98       |
| 71) Naphthalene               | 14.084 | 128  | 73348    | 5.035  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.328 | 180  | 47967    | 5.076  | ug/L  | 99       |

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

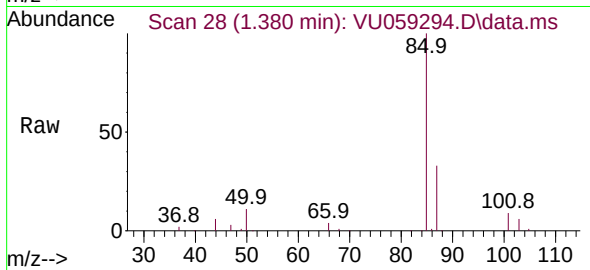
Quant Time: Jun 18 04:24:43 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR061724WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Mon Jun 17 12:07:46 2024  
Response via : Initial Calibration



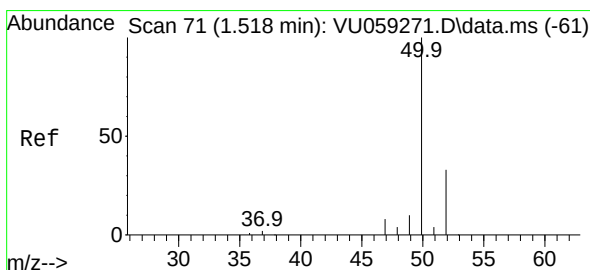
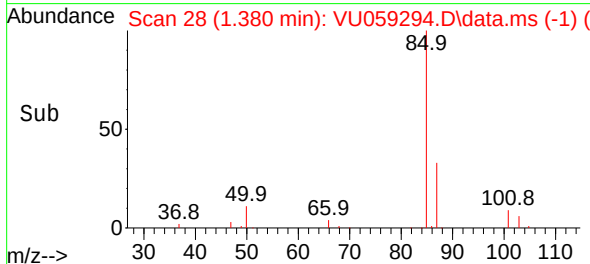
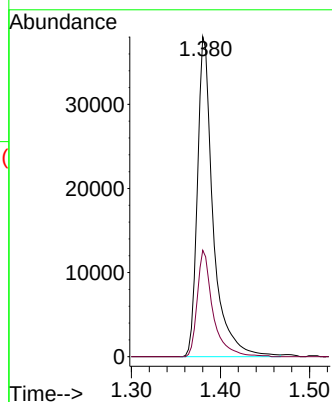


#2  
 Dichlorodifluoromethane  
 Concen: 5.180 ug/L  
 RT: 1.380 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VU059294.D  
 Acq: 17 Jun 2024 20:51

Instrument :  
 MSVOA\_U  
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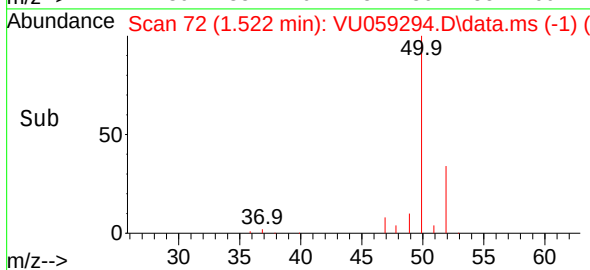
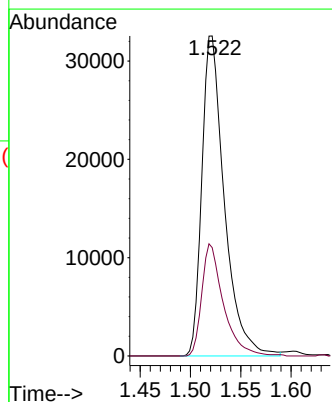
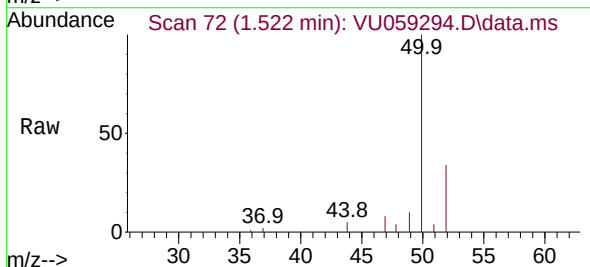


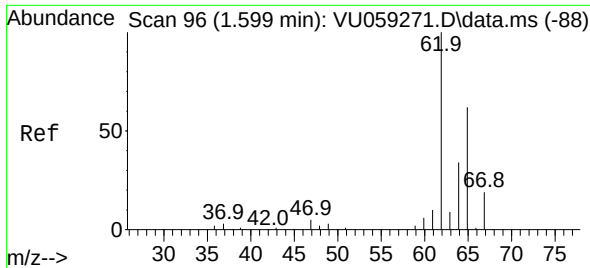
Tgt Ion: 85 Resp: 46840  
 Ion Ratio Lower Upper  
 85 100  
 87 33.2 26.6 40.0



#3  
 Chloromethane  
 Concen: 5.218 ug/L  
 RT: 1.522 min Scan# 72  
 Delta R.T. 0.006 min  
 Lab File: VU059294.D  
 Acq: 17 Jun 2024 20:51

Tgt Ion: 50 Resp: 50789  
 Ion Ratio Lower Upper  
 50 100  
 52 33.8 23.2 43.0

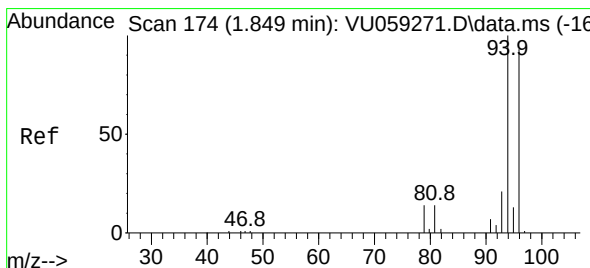
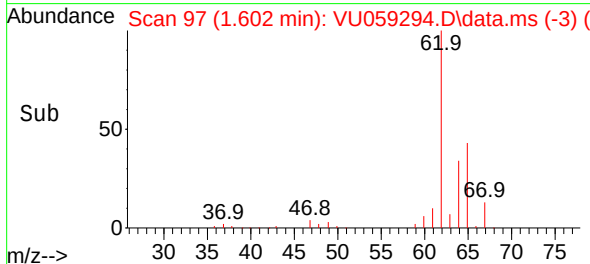
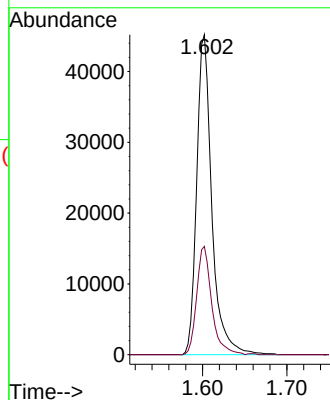
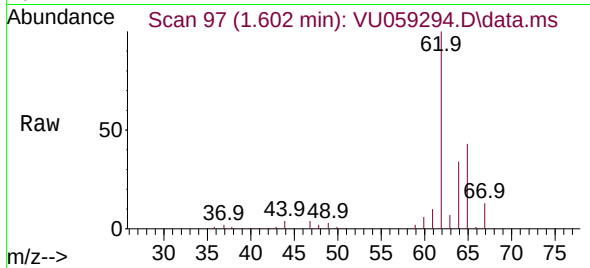




#5  
 Vinyl chloride  
 Concen: 5.244 ug/L  
 RT: 1.602 min Scan# 91  
 Delta R.T. 0.003 min  
 Lab File: VU059294.D  
 Acq: 17 Jun 2024 20:51

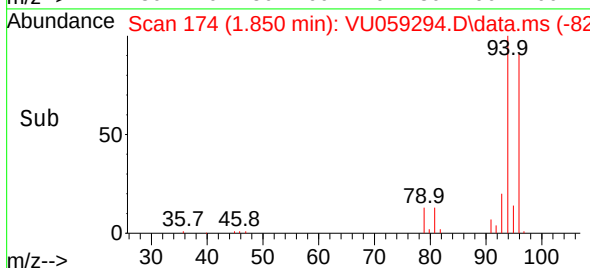
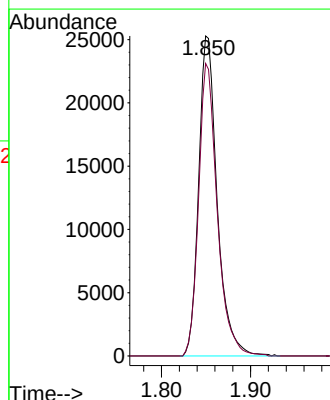
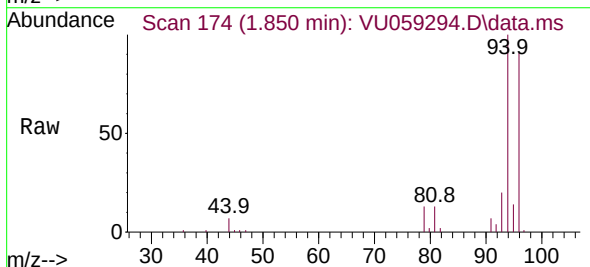
Instrument :  
 MSVOA\_U  
 ClientSampleId :

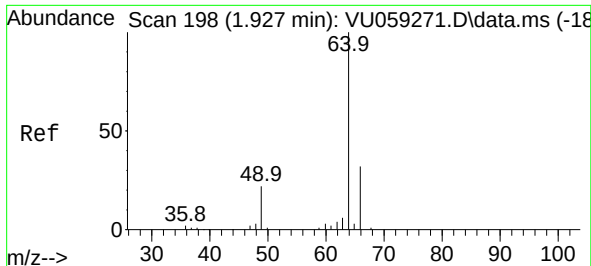
Tgt Ion: 62 Resp: 56382  
 Ion Ratio Lower Upper  
 62 100  
 64 33.9 23.1 42.9



#6  
 Bromomethane  
 Concen: 4.897 ug/L  
 RT: 1.850 min Scan# 174  
 Delta R.T. -0.003 min  
 Lab File: VU059294.D  
 Acq: 17 Jun 2024 20:51

Tgt Ion: 94 Resp: 36608  
 Ion Ratio Lower Upper  
 94 100  
 96 91.4 62.9 116.9

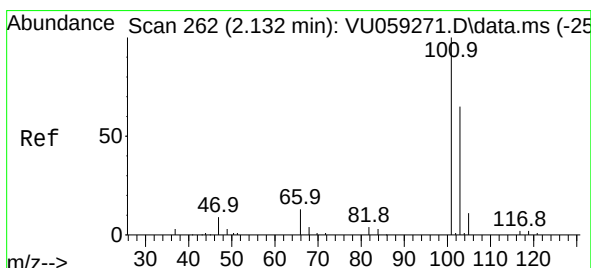
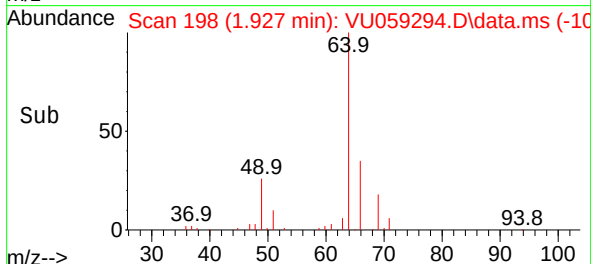
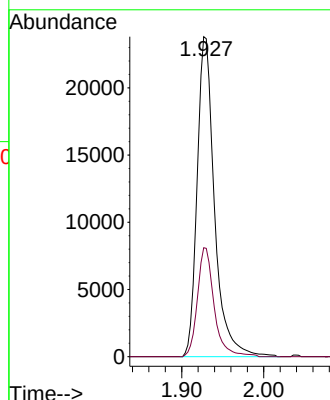
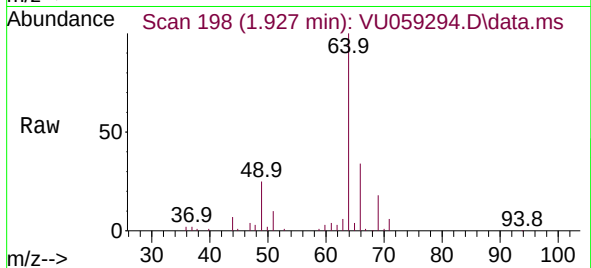




#8  
Chloroethane  
Concen: 5.400 ug/L  
RT: 1.927 min Scan# 198  
Delta R.T. -0.003 min  
Lab File: VU059294.D  
Acq: 17 Jun 2024 20:51

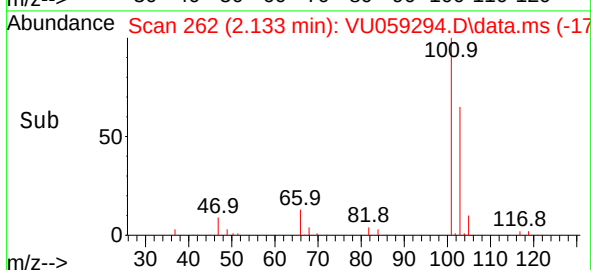
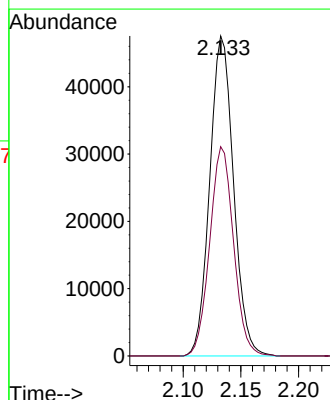
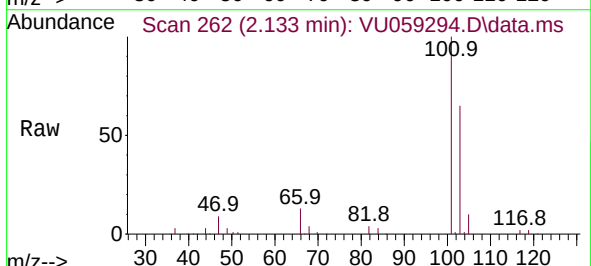
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ClientSampleId :

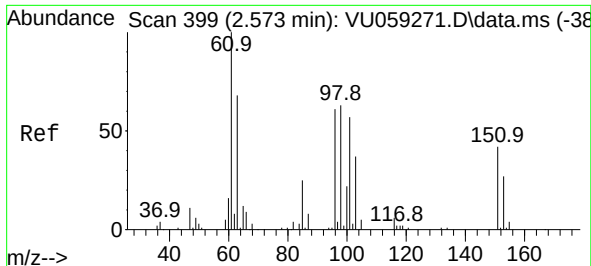
Tgt Ion: 64 Resp: 34979  
Ion Ratio Lower Upper  
64 100  
66 34.0 23.2 43.2



#9  
Trichlorofluoromethane  
Concen: 5.267 ug/L  
RT: 2.133 min Scan# 262  
Delta R.T. -0.003 min  
Lab File: VU059294.D  
Acq: 17 Jun 2024 20:51

Tgt Ion:101 Resp: 68171  
Ion Ratio Lower Upper  
101 100  
103 65.5 52.6 79.0

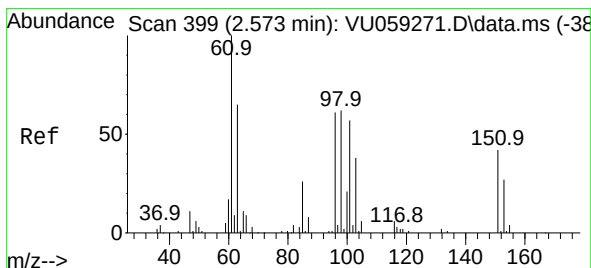
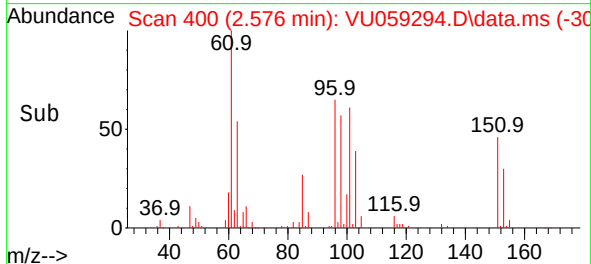
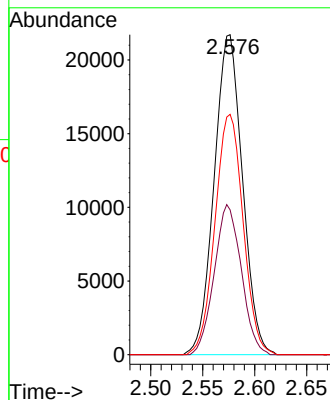
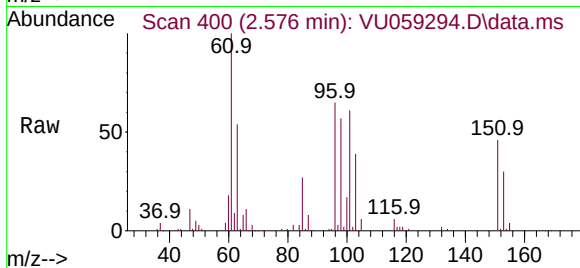




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 5.017 ug/L  
RT: 2.576 min Scan# 400  
Delta R.T. 0.000 min  
Lab File: VU059294.D  
Acq: 17 Jun 2024 20:51

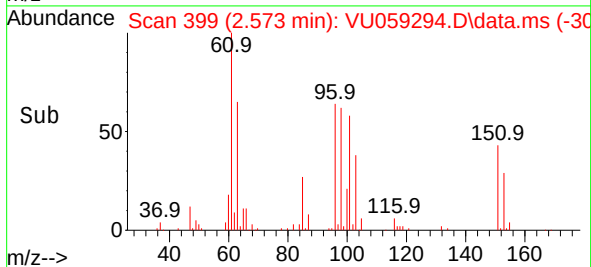
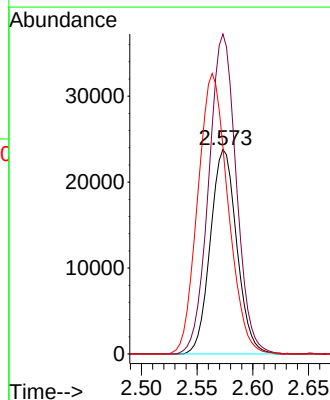
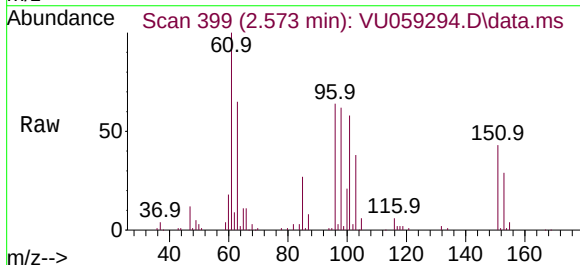
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MSVOA\_U  
ClientSampleId :

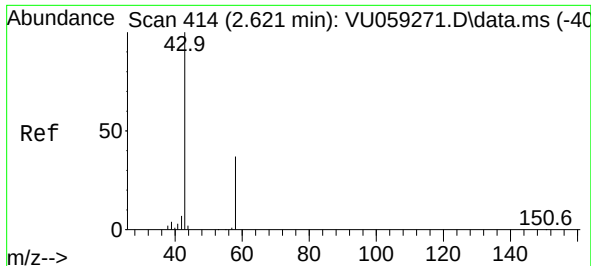
Tgt Ion:101 Resp: 41099  
Ion Ratio Lower Upper  
101 100  
85 44.9 36.2 54.4  
151 74.8 55.5 83.3



#12  
1,1-Dichloroethene  
Concen: 5.182 ug/L  
RT: 2.573 min Scan# 399  
Delta R.T. -0.003 min  
Lab File: VU059294.D  
Acq: 17 Jun 2024 20:51

Tgt Ion: 96 Resp: 39222  
Ion Ratio Lower Upper  
96 100  
61 156.5 122.9 228.3  
63 101.5 80.4 149.4





#13

Acetone

Concen: 56.183 ug/L

RT: 2.618 min Scan# 414

Delta R.T. -0.022 min

Lab File: VU059294.D

Acq: 17 Jun 2024 20:51

Instrument :

MSVOA\_U

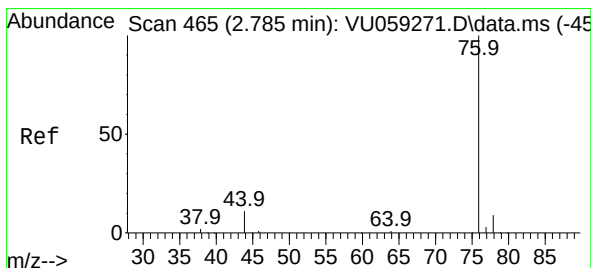
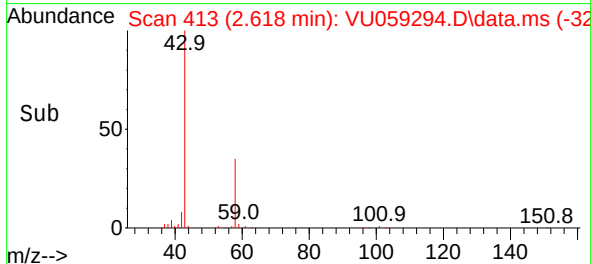
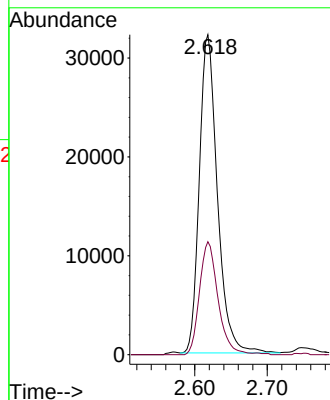
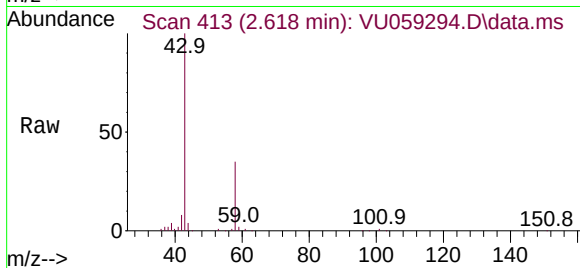
ClientSampleId :

Tgt Ion: 43 Resp: 55708

Ion Ratio Lower Upper

43 100

58 36.2 0.0 68.0



#14

Carbon disulfide

Concen: 5.009 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.003 min

Lab File: VU059294.D

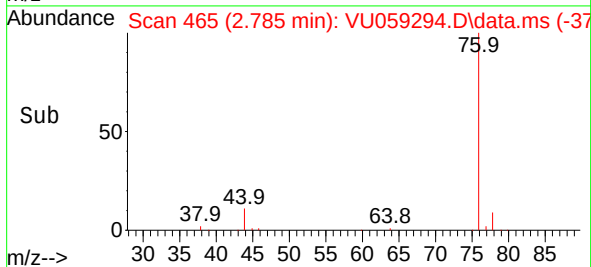
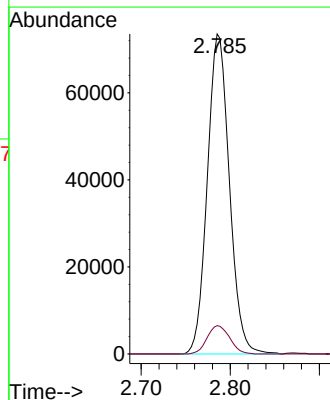
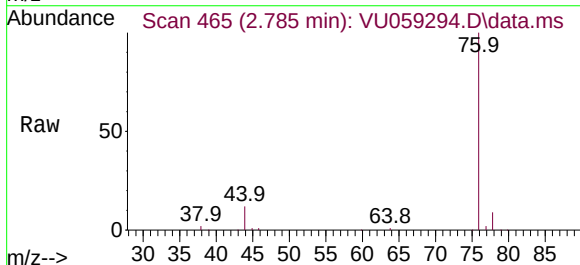
Acq: 17 Jun 2024 20:51

Tgt Ion: 76 Resp: 126493

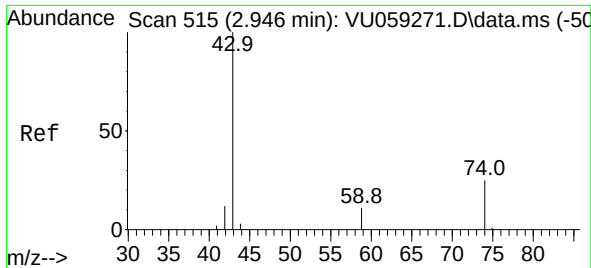
Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9



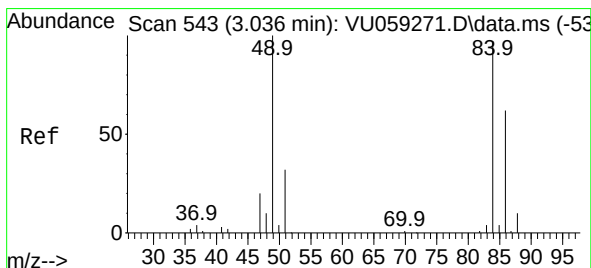
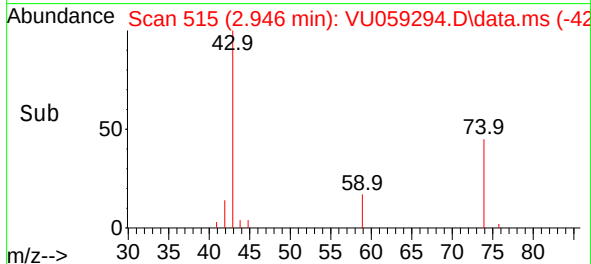
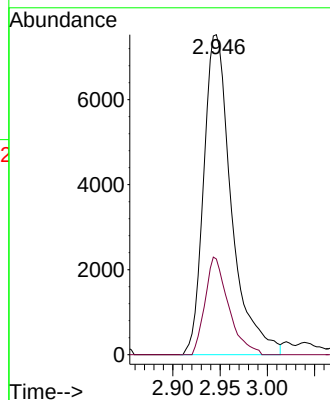
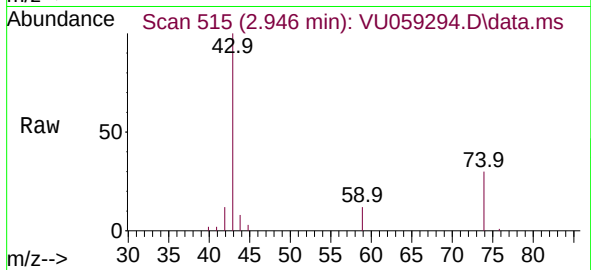




#15  
Methyl Acetate  
Concen: 5.867 ug/L  
RT: 2.946 min Scan# 515  
Delta R.T. -0.003 min  
Lab File: VU059294.D  
Acq: 17 Jun 2024 20:51

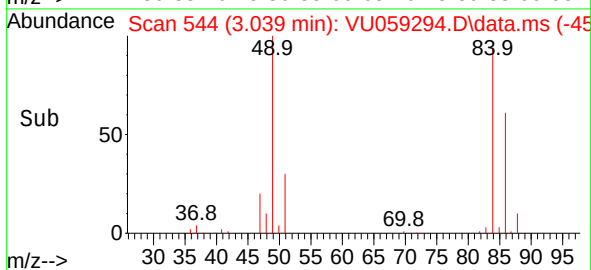
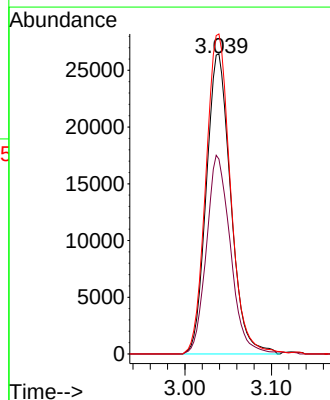
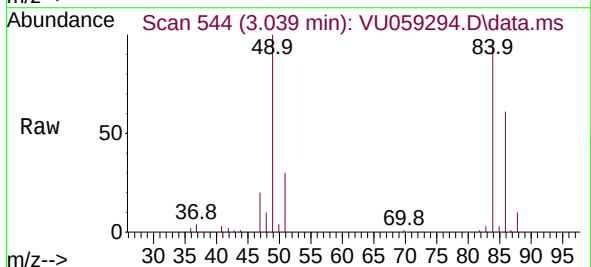
Instrument :  
MSVOA\_U  
ClientSampleId :

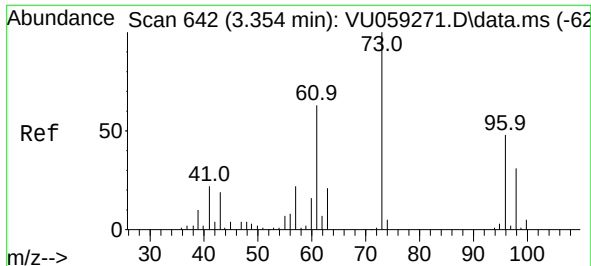
Tgt Ion: 43 Resp: 15351  
Ion Ratio Lower Upper  
43 100  
74 25.8 19.2 28.8



#16  
Methylene chloride  
Concen: 5.769 ug/L  
RT: 3.039 min Scan# 544  
Delta R.T. 0.000 min  
Lab File: VU059294.D  
Acq: 17 Jun 2024 20:51

Tgt Ion: 84 Resp: 51739  
Ion Ratio Lower Upper  
84 100  
86 64.9 42.1 78.1  
49 106.6 80.6 149.8

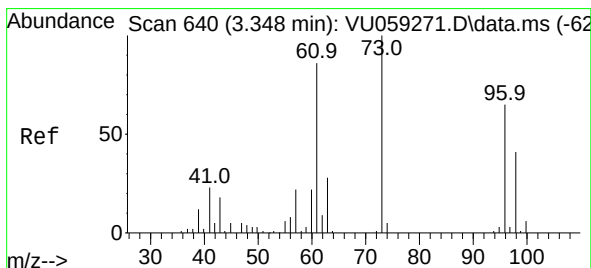
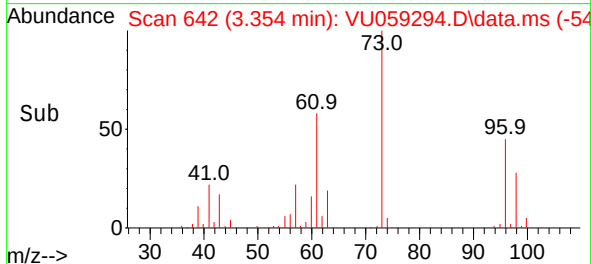
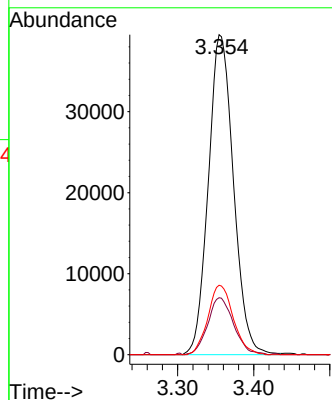
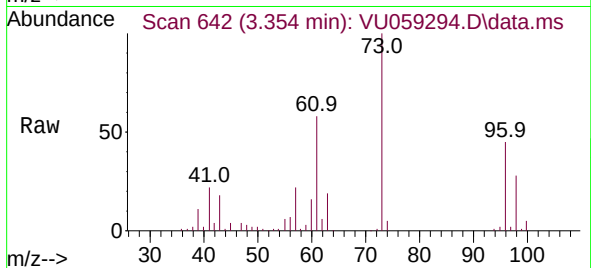




#17  
Methyl tert-butyl Ether  
Concen: 5.560 ug/L  
RT: 3.354 min Scan# 642  
Delta R.T. 0.000 min  
Lab File: VU059294.D  
Acq: 17 Jun 2024 20:51

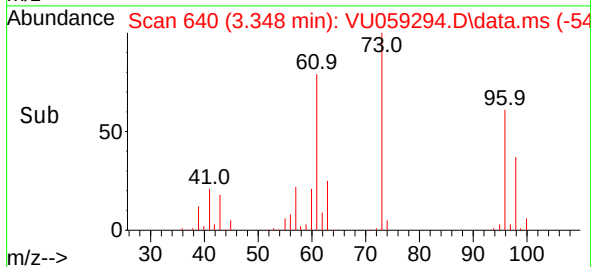
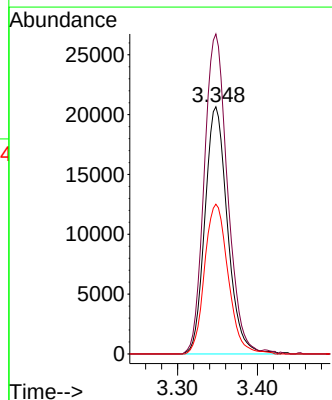
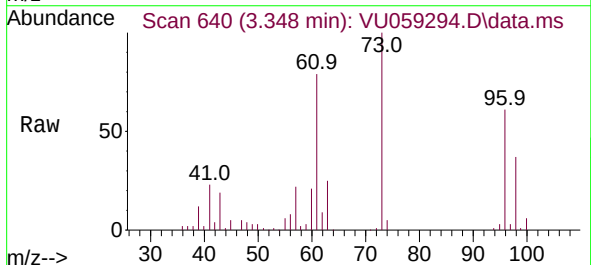
Instrument :  
MSVOA\_U  
ClientSampleId :

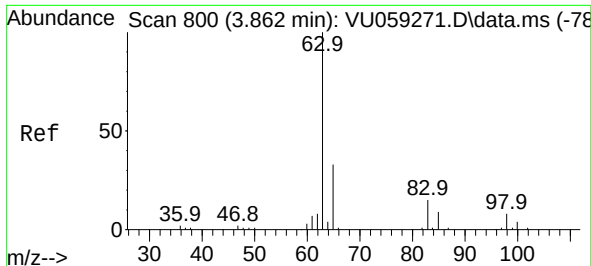
Tgt Ion: 73 Resp: 90690  
Ion Ratio Lower Upper  
73 100  
43 18.4 14.9 22.3  
57 21.9 18.0 27.0



#18  
trans-1,2-Dichloroethene  
Concen: 5.165 ug/L  
RT: 3.348 min Scan# 640  
Delta R.T. 0.000 min  
Lab File: VU059294.D  
Acq: 17 Jun 2024 20:51

Tgt Ion: 96 Resp: 40656  
Ion Ratio Lower Upper  
96 100  
61 129.5 101.8 189.0  
98 60.6 43.3 80.5

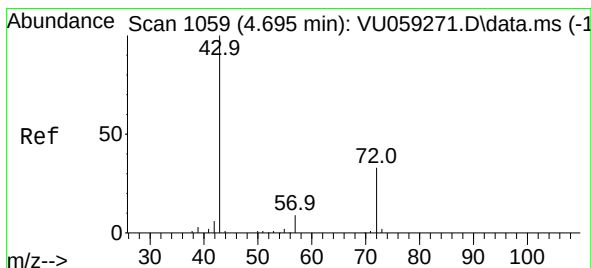
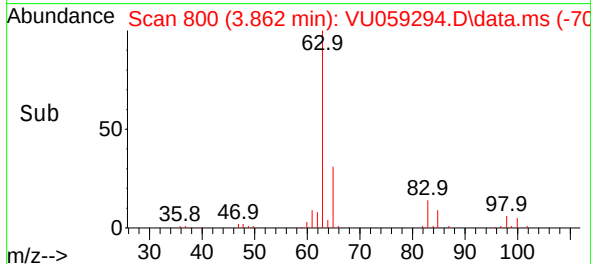
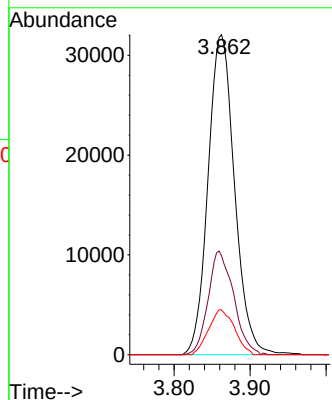
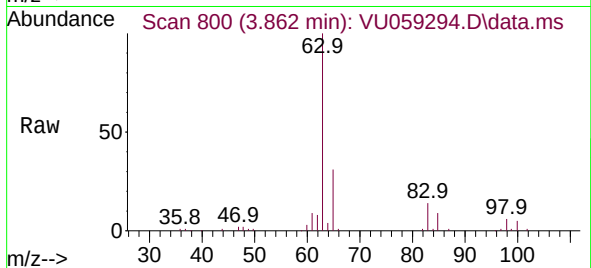




#19  
1,1-Dichloroethane  
Concen: 5.339 ug/L  
RT: 3.862 min Scan# 800  
Delta R.T. 0.003 min  
Lab File: VU059294.D  
Acq: 17 Jun 2024 20:51

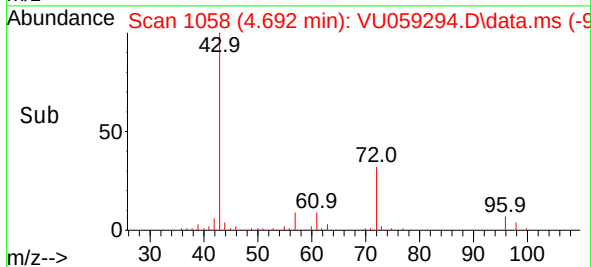
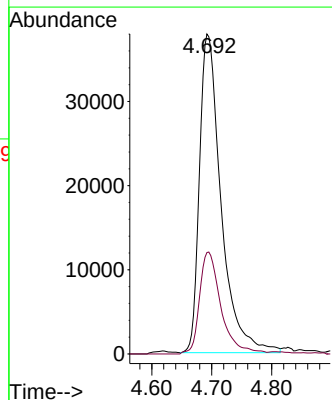
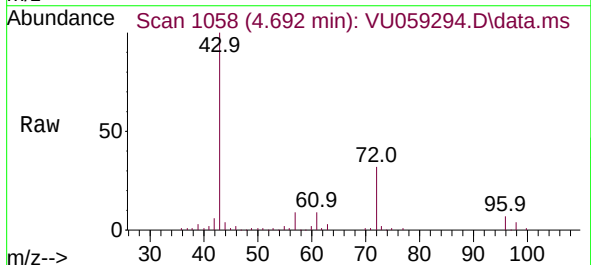
Instrument :  
MSVOA\_U  
ClientSampleId :

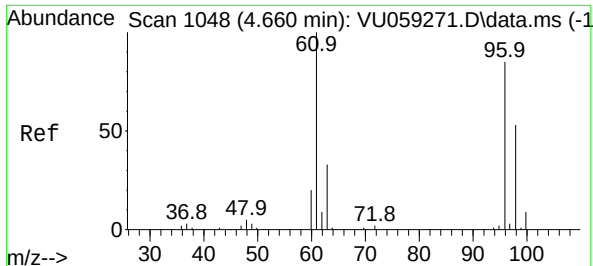
Tgt Ion: 63 Resp: 77503  
Ion Ratio Lower Upper  
63 100  
65 31.0 21.8 40.6  
83 14.0 9.9 18.5



#21  
2-Butanone  
Concen: 59.907 ug/L  
RT: 4.692 min Scan# 1058  
Delta R.T. -0.013 min  
Lab File: VU059294.D  
Acq: 17 Jun 2024 20:51

Tgt Ion: 43 Resp: 95275  
Ion Ratio Lower Upper  
43 100  
72 31.6 13.8 41.4

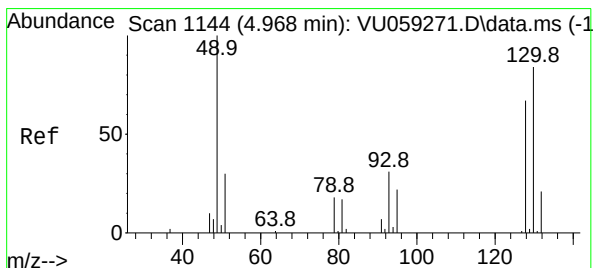
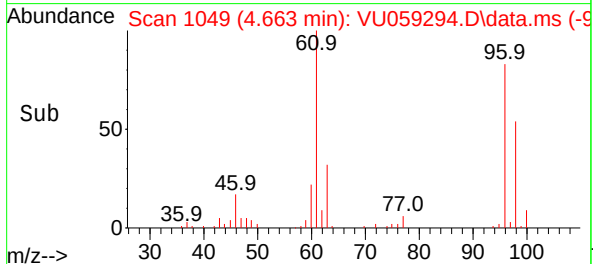
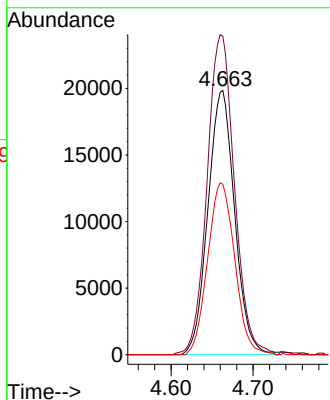
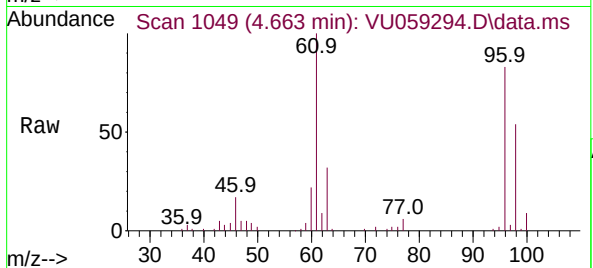




#22  
cis-1,2-Dichloroethene  
Concen: 5.196 ug/L  
RT: 4.663 min Scan# 1048  
Delta R.T. 0.007 min  
Lab File: VU059294.D  
Acq: 17 Jun 2024 20:51

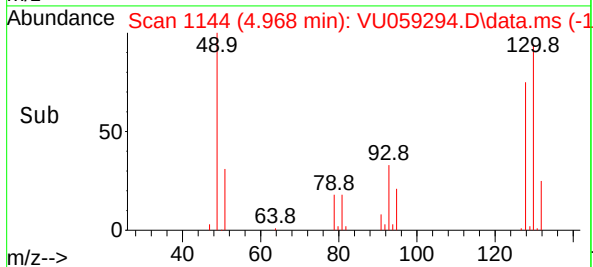
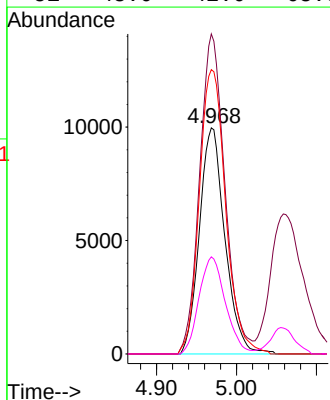
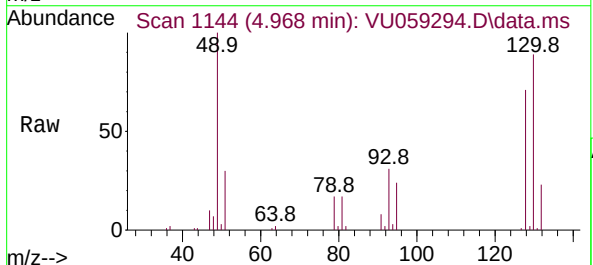
Instrument :  
MSVOA\_U  
ClientSampleId :

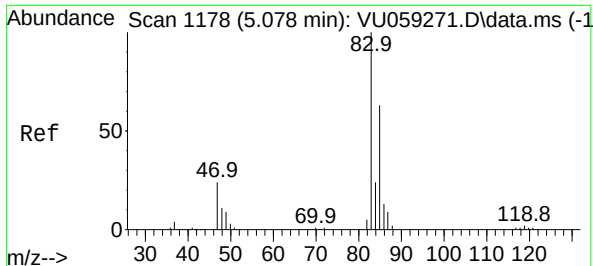
Tgt Ion: 96 Resp: 45081  
Ion Ratio Lower Upper  
96 100  
61 120.5 87.4 162.2  
98 64.5 42.3 78.5



#23  
Bromochloromethane  
Concen: 5.592 ug/L  
RT: 4.968 min Scan# 1144  
Delta R.T. 0.000 min  
Lab File: VU059294.D  
Acq: 17 Jun 2024 20:51

Tgt Ion: 128 Resp: 22119  
Ion Ratio Lower Upper  
128 100  
49 141.5 117.0 217.4  
130 125.7 89.6 166.4  
51 43.0 42.0 63.0





#25

Chloroform

Concen: 5.275 ug/L

RT: 5.081 min Scan# 1178

Delta R.T. 0.000 min

Lab File: VU059294.D

Acq: 17 Jun 2024 20:51

Instrument :

MSVOA\_U

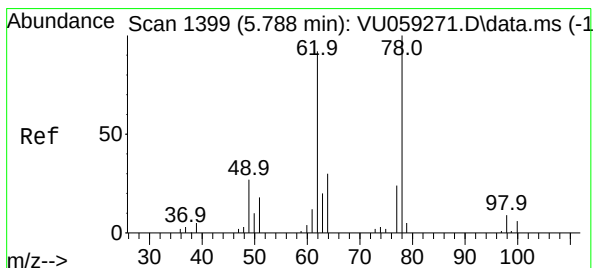
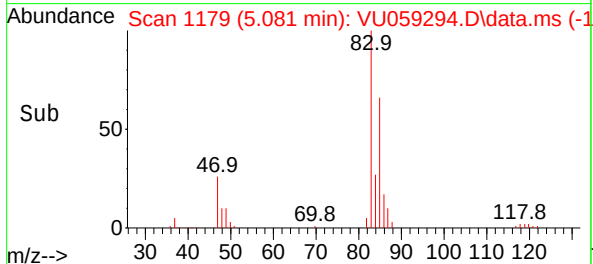
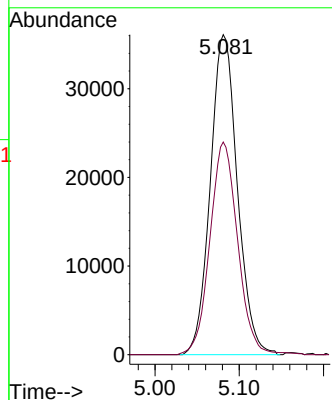
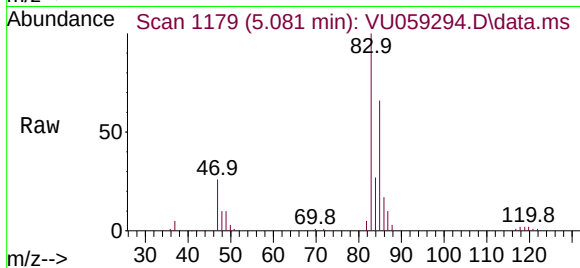
ClientSampleId :

Tgt Ion: 83 Resp: 80643

Ion Ratio Lower Upper

83 100

85 66.5 44.7 83.1



#27

1,2-Dichloroethane

Concen: 5.516 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.000 min

Lab File: VU059294.D

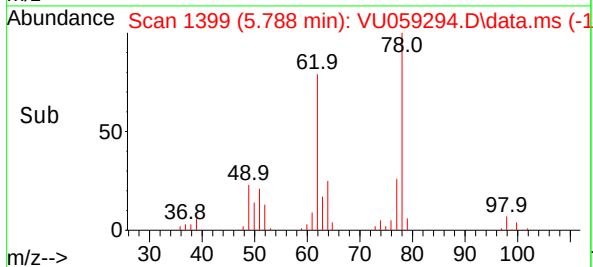
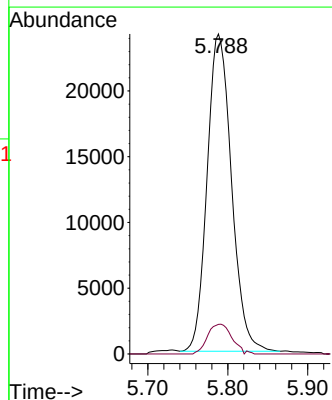
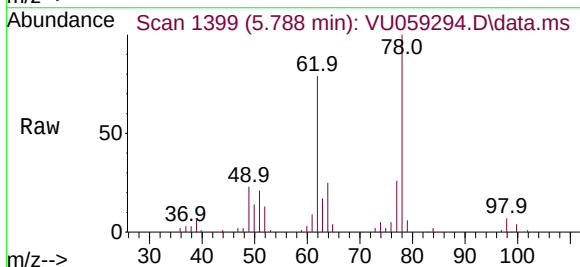
Acq: 17 Jun 2024 20:51

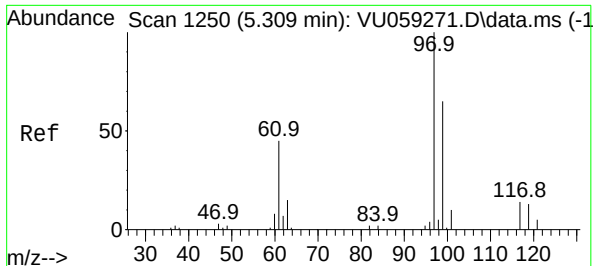
Tgt Ion: 62 Resp: 51099

Ion Ratio Lower Upper

62 100

98 9.3 7.5 11.3

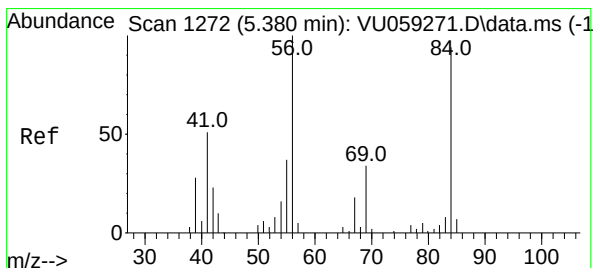
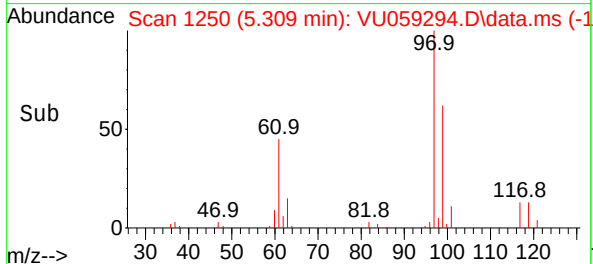
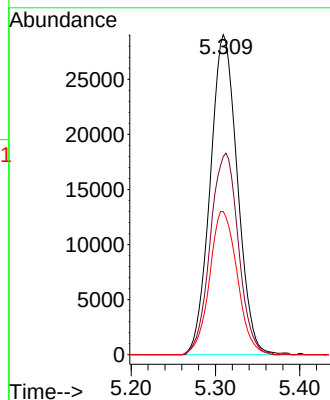
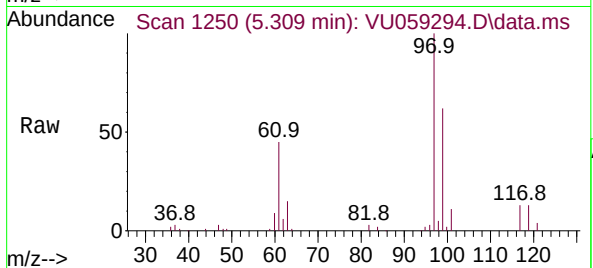




#29  
1,1,1-Trichloroethane  
Concen: 5.231 ug/L  
RT: 5.309 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VU059294.D  
Acq: 17 Jun 2024 20:51

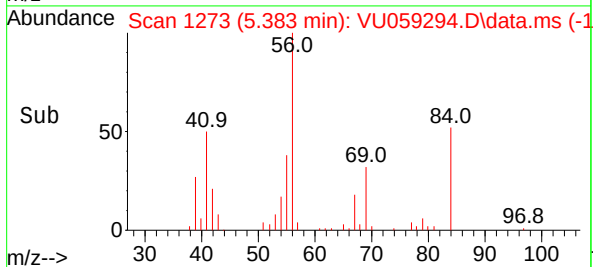
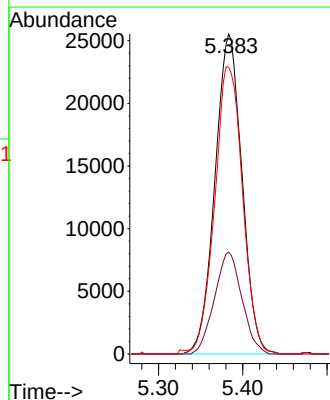
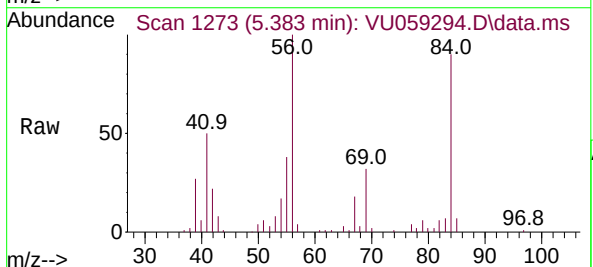
Instrument :  
MSVOA\_U  
ClientSampleId :

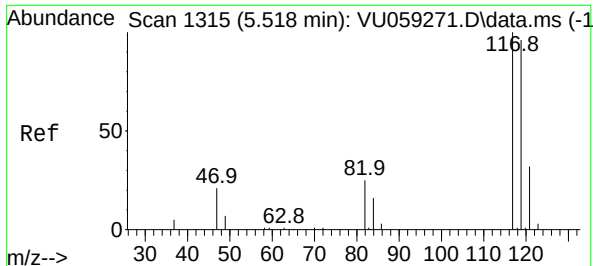
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 65133 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 65.1  | 51.8  | 77.6  |
| 61       | 45.5  | 37.4  | 56.2  |



#30  
Cyclohexane  
Concen: 5.165 ug/L  
RT: 5.383 min Scan# 1273  
Delta R.T. 0.003 min  
Lab File: VU059294.D  
Acq: 17 Jun 2024 20:51

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 56779 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 32.3  | 24.8  | 37.2  |
| 84       | 92.8  | 69.8  | 104.8 |

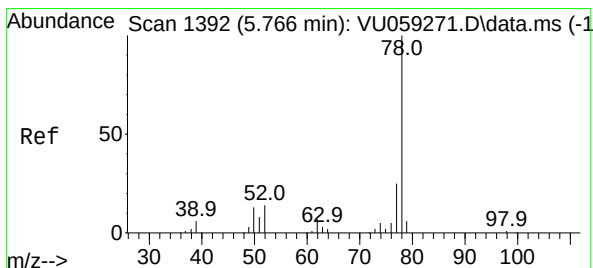
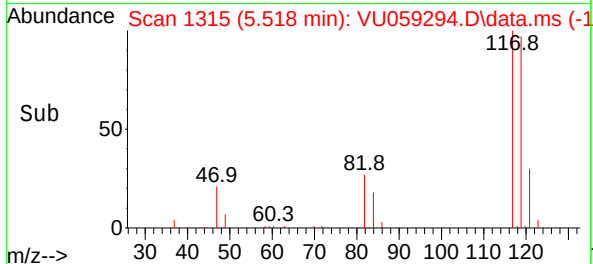
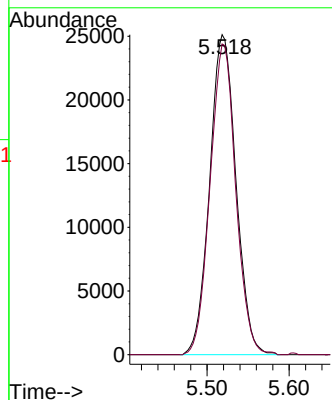
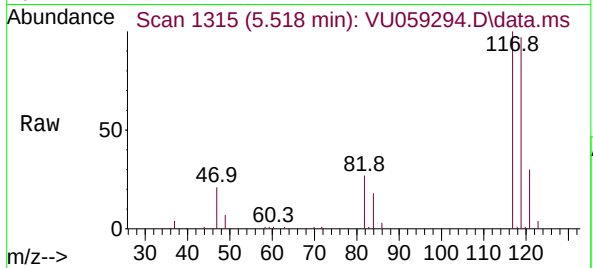




#31  
Carbon tetrachloride  
Concen: 5.381 ug/L  
RT: 5.518 min Scan# 1315  
Delta R.T. 0.000 min  
Lab File: VU059294.D  
Acq: 17 Jun 2024 20:51

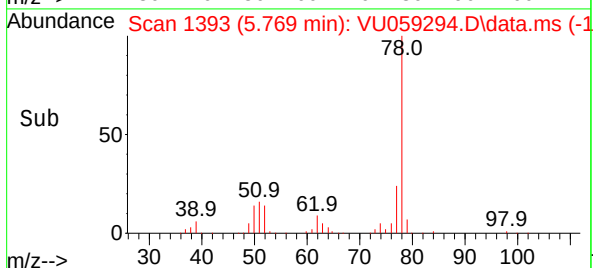
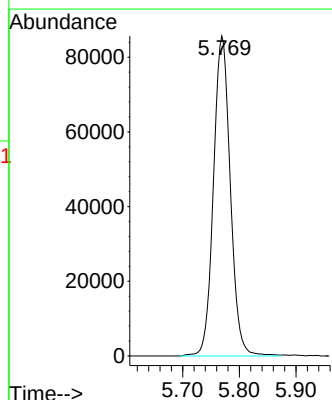
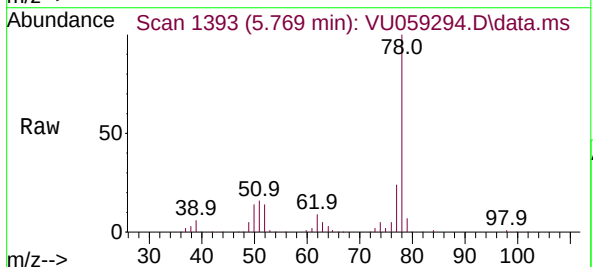
Instrument :  
MSVOA\_U  
ClientSampleId :

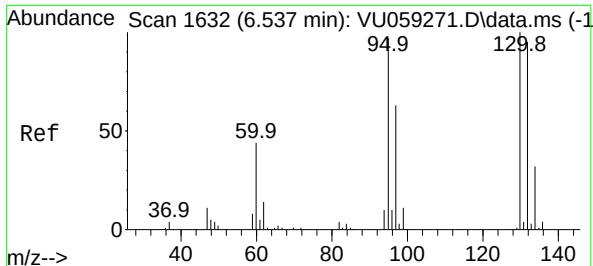
Tgt Ion:117 Resp: 56105  
Ion Ratio Lower Upper  
117 100  
119 94.5 77.5 116.3



#33  
Benzene  
Concen: 5.411 ug/L  
RT: 5.769 min Scan# 1393  
Delta R.T. 0.003 min  
Lab File: VU059294.D  
Acq: 17 Jun 2024 20:51

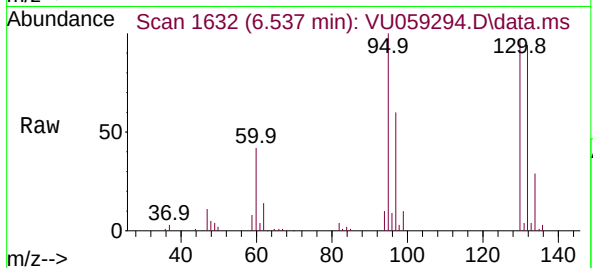
Tgt Ion: 78 Resp: 177186



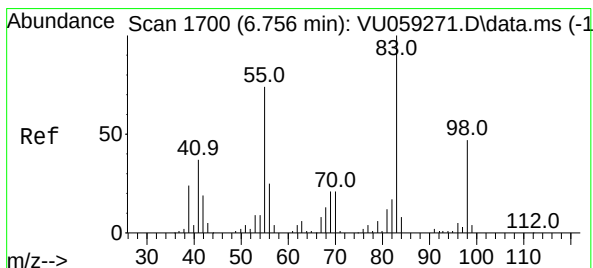
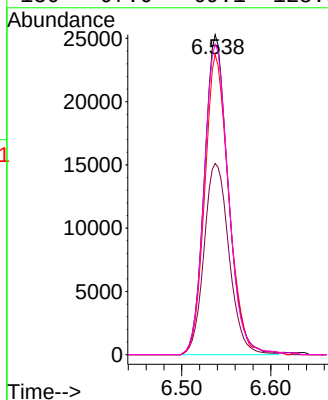
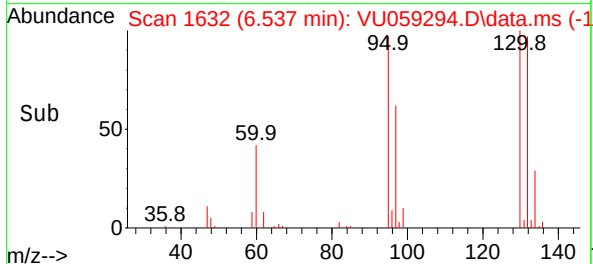


#34  
Trichloroethene  
Concen: 5.303 ug/L  
RT: 6.537 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VU059294.D  
Acq: 17 Jun 2024 20:51

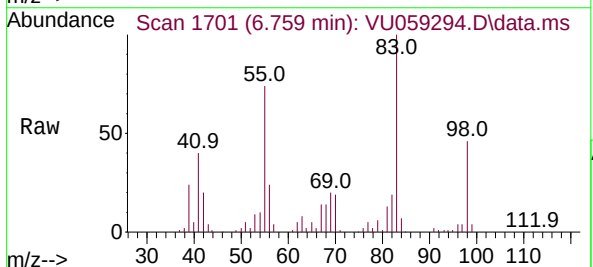
Instrument :  
MSVOA\_U  
ClientSampleId :



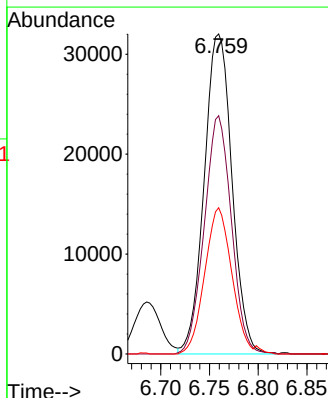
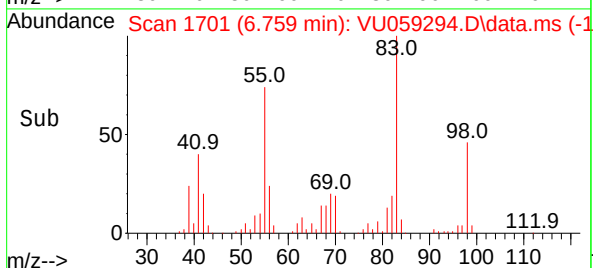
Tgt Ion: 95 Resp: 47028  
Ion Ratio Lower Upper  
95 100  
97 59.7 45.3 84.1  
132 93.7 64.0 119.0  
130 97.0 69.1 128.3



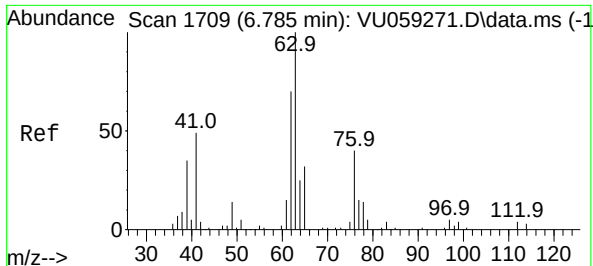
#35  
Methylcyclohexane  
Concen: 5.047 ug/L  
RT: 6.759 min Scan# 1701  
Delta R.T. 0.003 min  
Lab File: VU059294.D  
Acq: 17 Jun 2024 20:51



Tgt Ion: 83 Resp: 63682  
Ion Ratio Lower Upper  
83 100  
55 72.6 62.7 94.1  
98 45.0 35.4 53.0



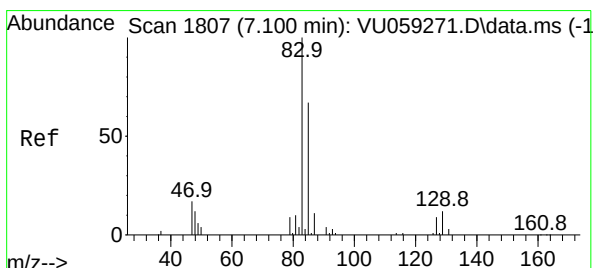
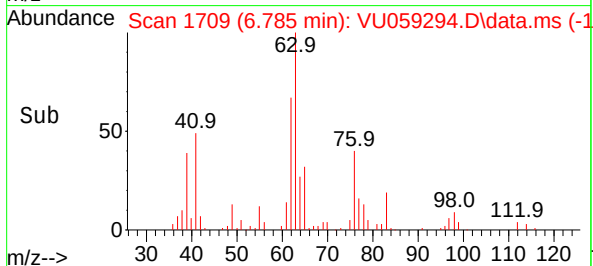
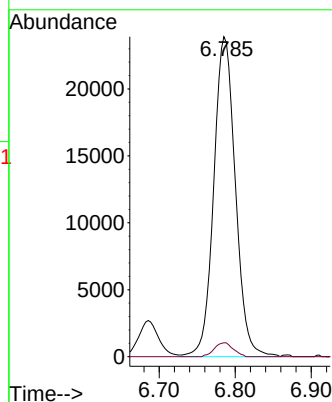
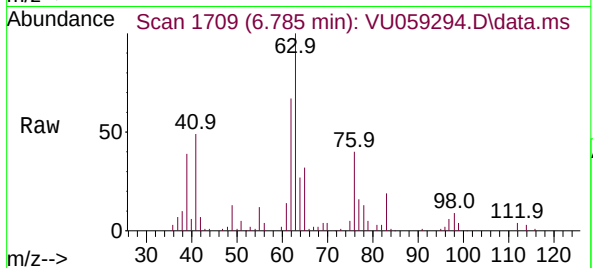




#37  
1,2-Dichloropropane  
Concen: 5.580 ug/L  
RT: 6.785 min Scan# 1709  
Delta R.T. 0.003 min  
Lab File: VU059294.D  
Acq: 17 Jun 2024 20:51

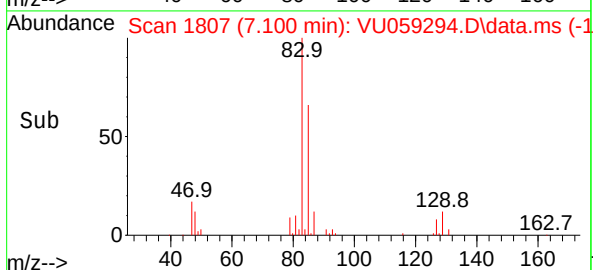
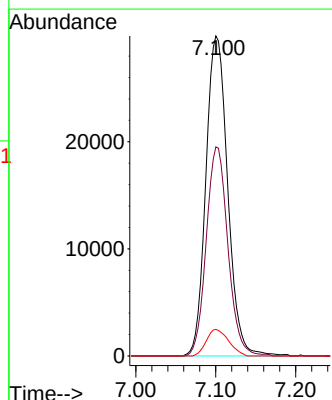
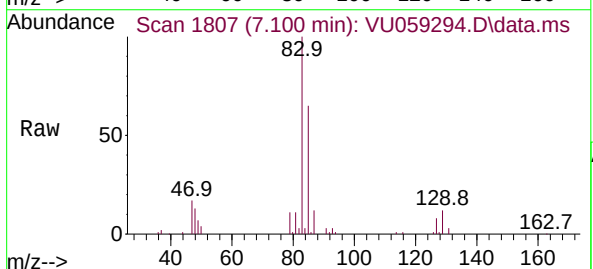
Instrument :  
MSVOA\_U  
ClientSampleId :

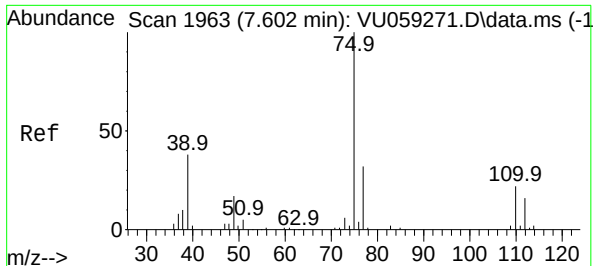
Tgt Ion: 63 Resp: 47280  
Ion Ratio Lower Upper  
63 100  
112 3.8 2.6 3.8



#38  
Bromodichloromethane  
Concen: 5.367 ug/L  
RT: 7.100 min Scan# 1807  
Delta R.T. 0.000 min  
Lab File: VU059294.D  
Acq: 17 Jun 2024 20:51

Tgt Ion: 83 Resp: 56764  
Ion Ratio Lower Upper  
83 100  
85 65.4 42.7 79.3  
127 8.3 6.1 9.1

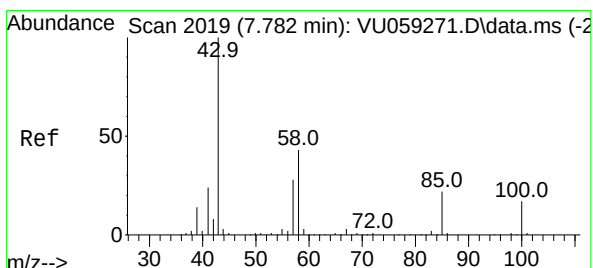
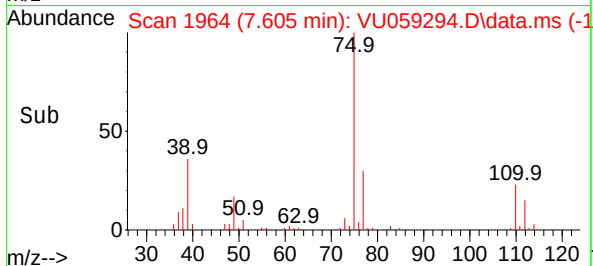
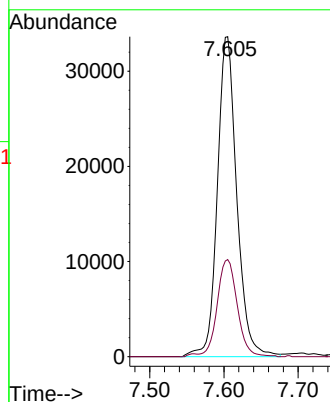
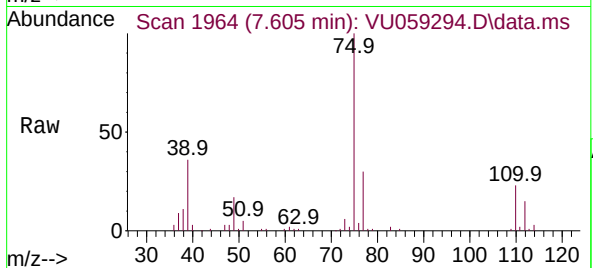




#39  
cis-1,3-Dichloropropene  
Concen: 5.285 ug/L  
RT: 7.605 min Scan# 1963  
Delta R.T. 0.003 min  
Lab File: VU059294.D  
Acq: 17 Jun 2024 20:51

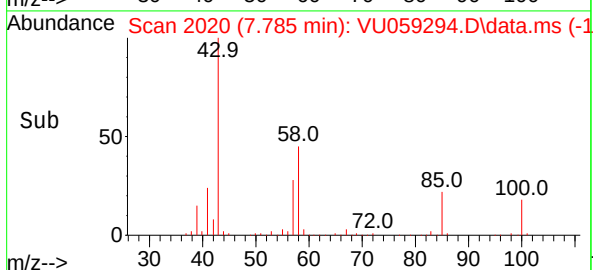
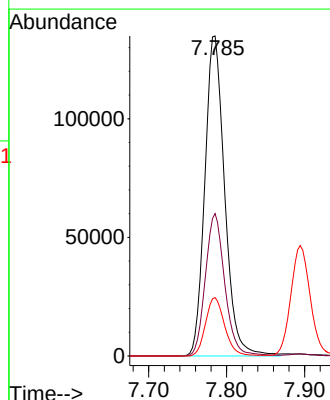
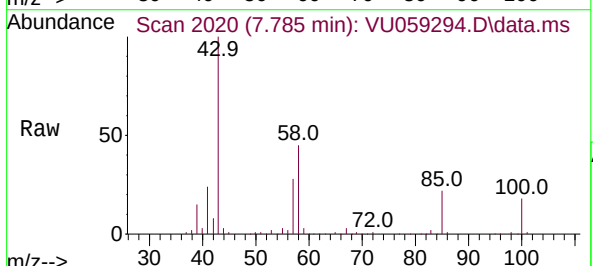
Instrument :  
MSVOA\_U  
ClientSampleId :

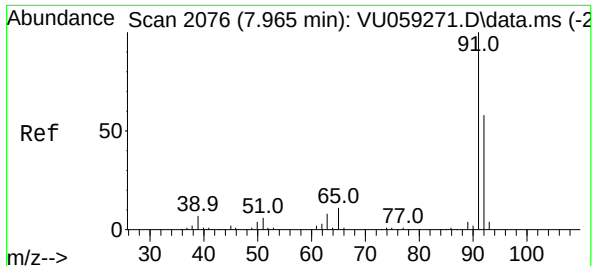
Tgt Ion: 75 Resp: 61249  
Ion Ratio Lower Upper  
75 100  
77 30.4 22.0 40.8



#40  
4-Methyl-2-pentanone  
Concen: 60.759 ug/L  
RT: 7.785 min Scan# 2020  
Delta R.T. 0.000 min  
Lab File: VU059294.D  
Acq: 17 Jun 2024 20:51

Tgt Ion: 43 Resp: 238571  
Ion Ratio Lower Upper  
43 100  
58 43.6 34.0 51.0  
100 17.6 12.1 18.1





#42

Toluene

Concen: 5.520 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU059294.D

Acq: 17 Jun 2024 20:51

Instrument :

MSVOA\_U

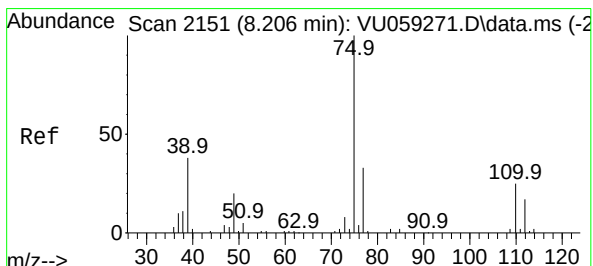
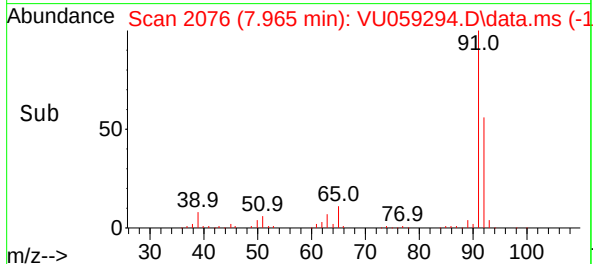
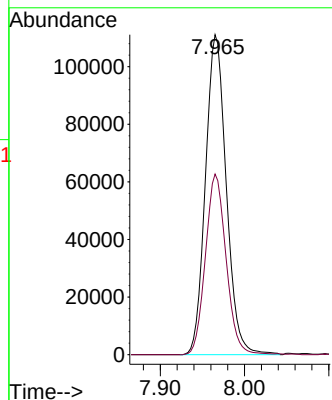
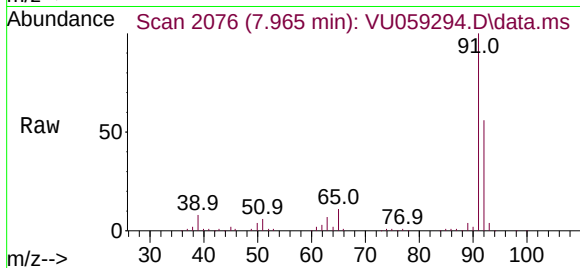
ClientSampleId :

Tgt Ion: 91 Resp: 191349

Ion Ratio Lower Upper

91 100

92 56.5 39.7 73.7



#44

trans-1,3-Dichloropropene

Concen: 5.346 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU059294.D

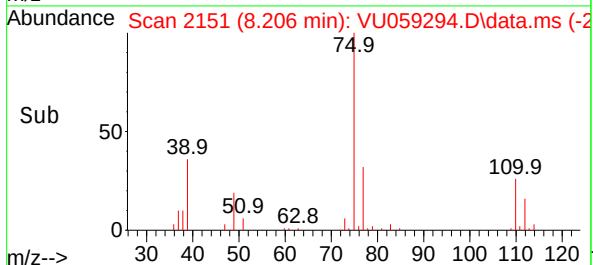
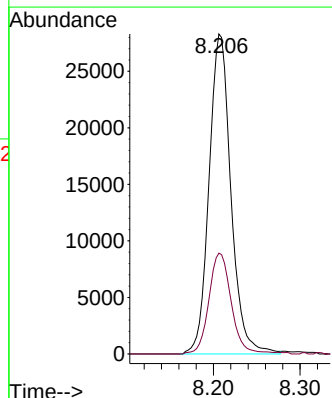
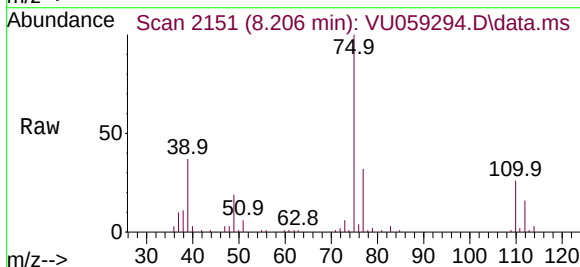
Acq: 17 Jun 2024 20:51

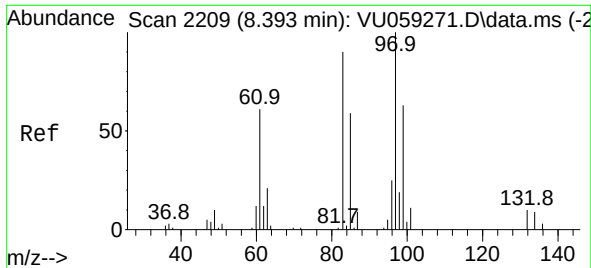
Tgt Ion: 75 Resp: 49722

Ion Ratio Lower Upper

75 100

77 31.5 22.0 41.0





#45

1,1,2-Trichloroethane

Concen: 5.678 ug/L

RT: 8.396 min Scan# 2209

Delta R.T. 0.003 min

Lab File: VU059294.D

Acq: 17 Jun 2024 20:51

Instrument :

MSVOA\_U

ClientSampleId :

Tgt Ion: 97 Resp: 35452

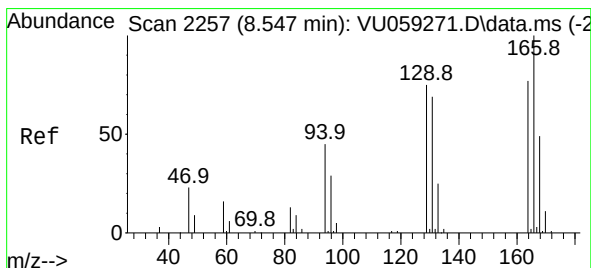
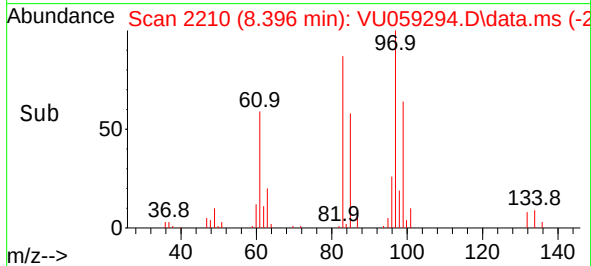
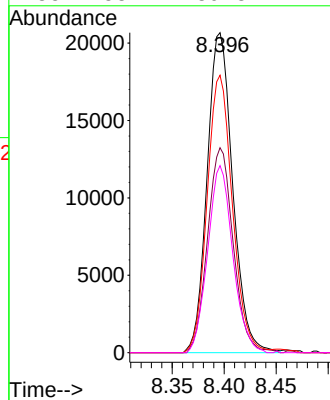
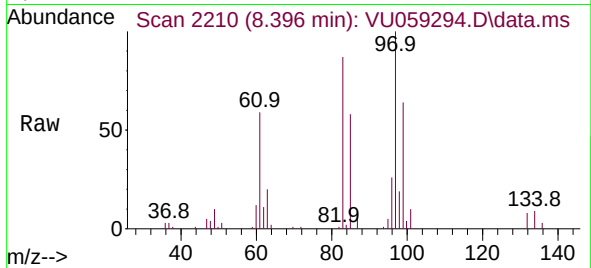
Ion Ratio Lower Upper

97 100

99 64.0 43.3 80.3

83 86.7 62.3 115.7

85 58.4 39.8 74.0



#47

Tetrachloroethene

Concen: 5.219 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. 0.003 min

Lab File: VU059294.D

Acq: 17 Jun 2024 20:51

Tgt Ion:164 Resp: 35912

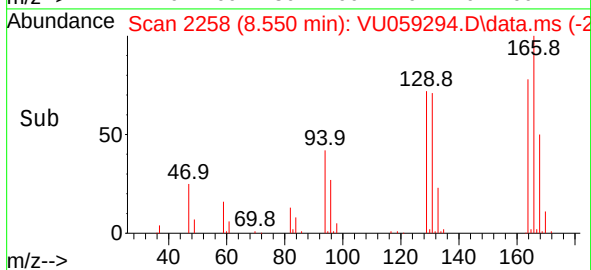
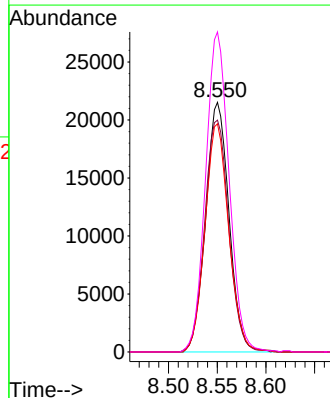
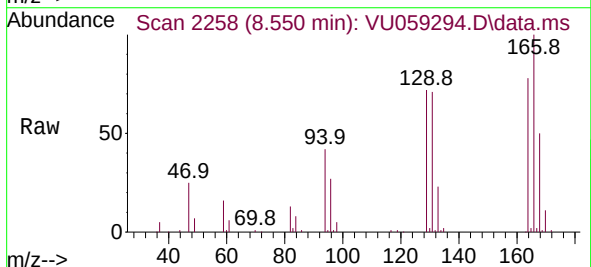
Ion Ratio Lower Upper

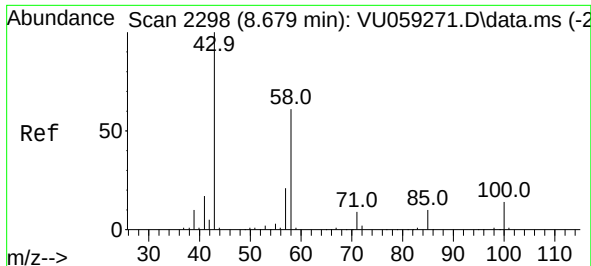
164 100

129 92.9 70.8 131.4

131 91.4 64.8 120.3

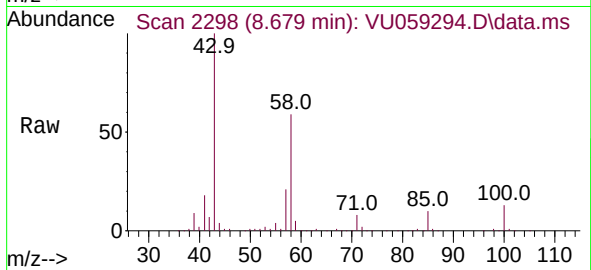
166 128.2 91.1 169.1



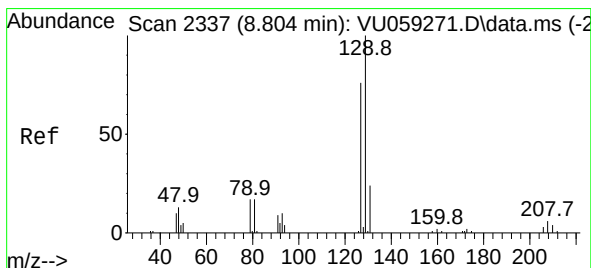
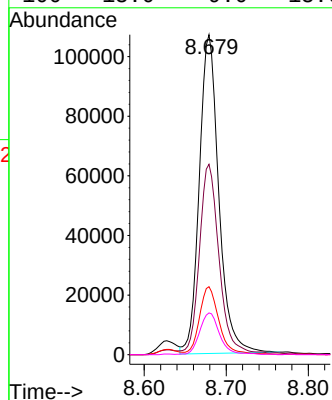
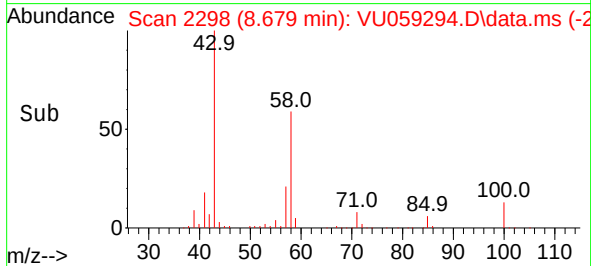


#48  
2-Hexanone  
Concen: 63.049 ug/L  
RT: 8.679 min Scan# 2298  
Delta R.T. -0.000 min  
Lab File: VU059294.D  
Acq: 17 Jun 2024 20:51

Instrument :  
MSVOA\_U  
ClientSampleId :

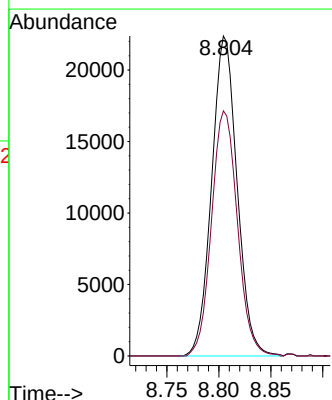
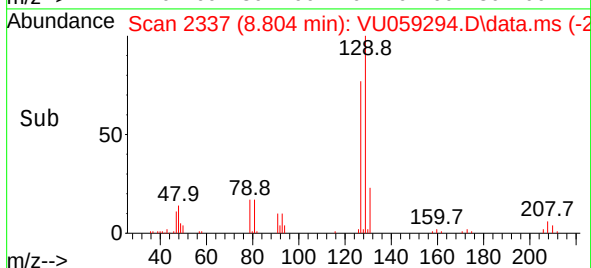
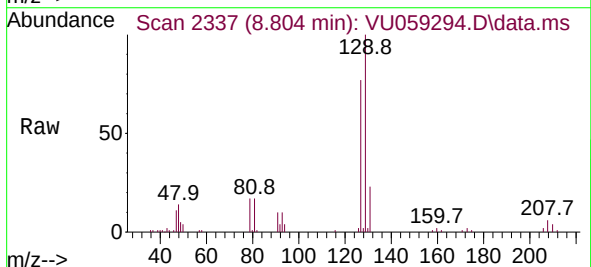


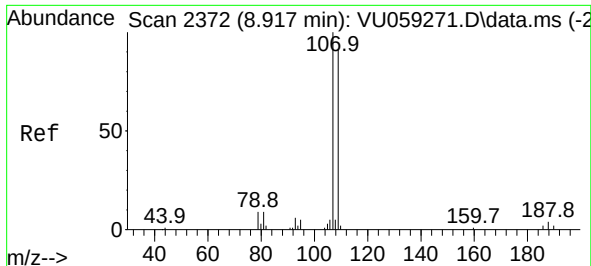
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 176680 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 59.5  | 46.1  | 69.1   |
| 57       | 21.3  | 15.5  | 23.3   |
| 100      | 13.0  | 9.0   | 13.6   |



#49  
Dibromochloromethane  
Concen: 5.515 ug/L  
RT: 8.804 min Scan# 2337  
Delta R.T. 0.000 min  
Lab File: VU059294.D  
Acq: 17 Jun 2024 20:51

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 38150 |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 76.6  | 52.5  | 97.5  |

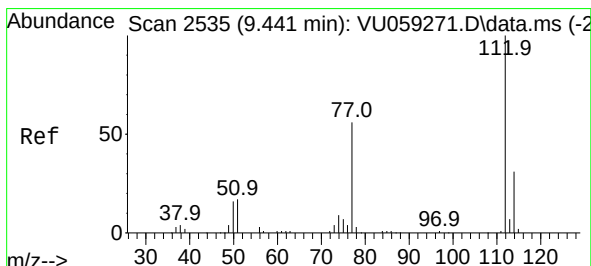
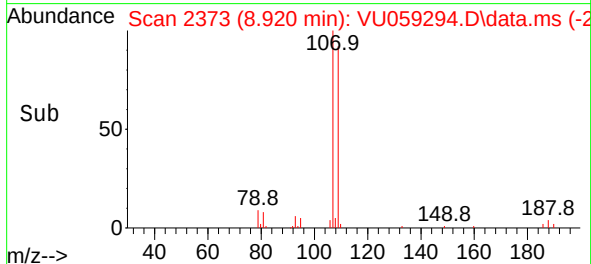
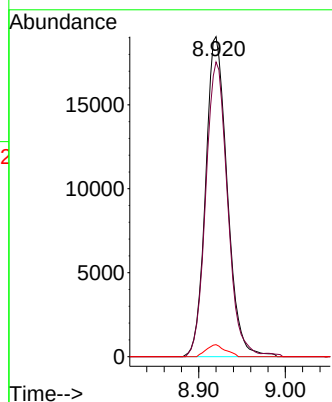
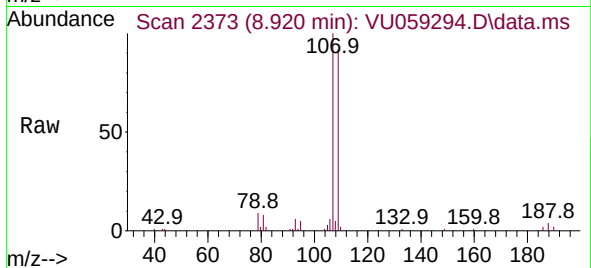




#50  
1,2-Dibromoethane  
Concen: 5.728 ug/L  
RT: 8.920 min Scan# 24  
Delta R.T. 0.003 min  
Lab File: VU059294.D  
Acq: 17 Jun 2024 20:51

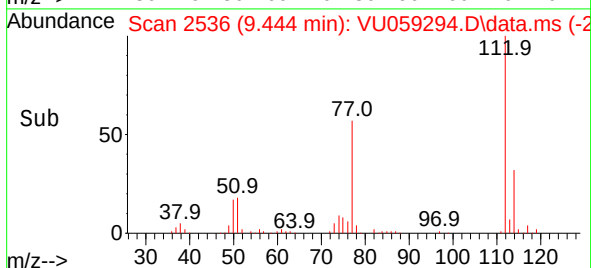
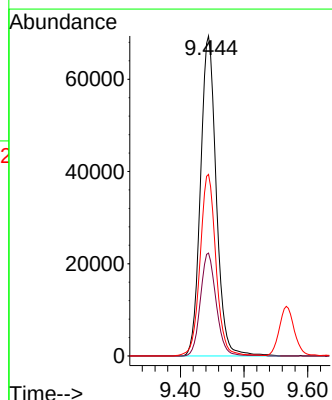
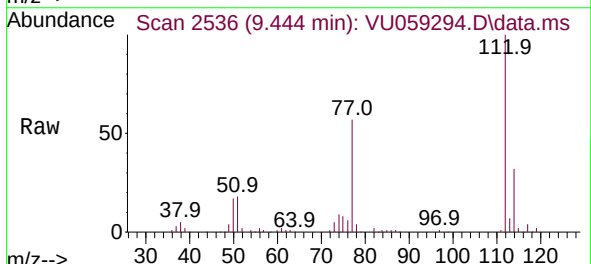
Instrument :  
MSVOA\_U  
ClientSampleId :

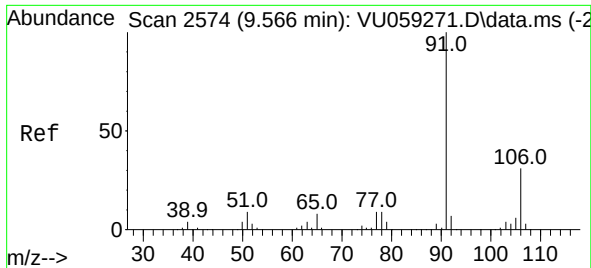
Tgt Ion:107 Resp: 33030  
Ion Ratio Lower Upper  
107 100  
109 92.1 66.9 124.3  
188 3.8 2.7 4.1



#51  
Chlorobenzene  
Concen: 5.428 ug/L  
RT: 9.444 min Scan# 2536  
Delta R.T. 0.003 min  
Lab File: VU059294.D  
Acq: 17 Jun 2024 20:51

Tgt Ion:112 Resp: 119343  
Ion Ratio Lower Upper  
112 100  
114 32.1 22.4 41.6  
77 56.8 49.1 73.7





#52

Ethylbenzene

Concen: 5.390 ug/L

RT: 9.566 min Scan# 2574

Delta R.T. 0.003 min

Lab File: VU059294.D

Acq: 17 Jun 2024 20:51

Instrument :

MSVOA\_U

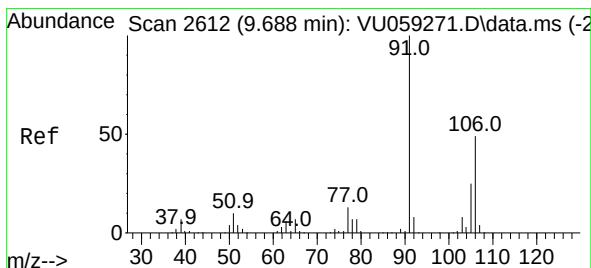
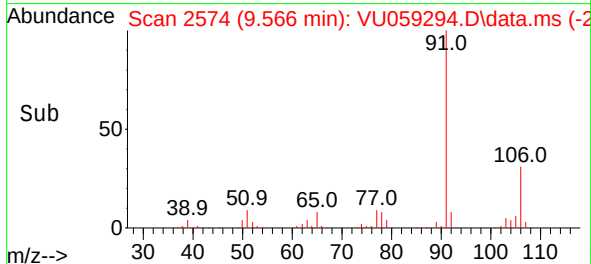
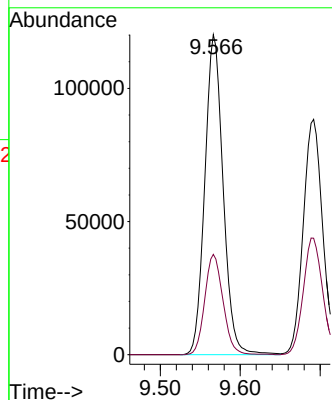
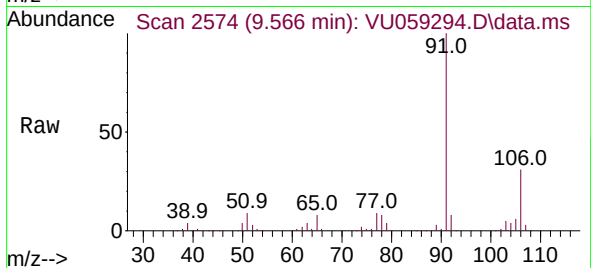
ClientSampleId :

Tgt Ion: 91 Resp: 191668

Ion Ratio Lower Upper

91 100

106 31.3 20.9 38.7



#53

m,p-Xylene

Concen: 5.484 ug/L

RT: 9.688 min Scan# 2612

Delta R.T. 0.000 min

Lab File: VU059294.D

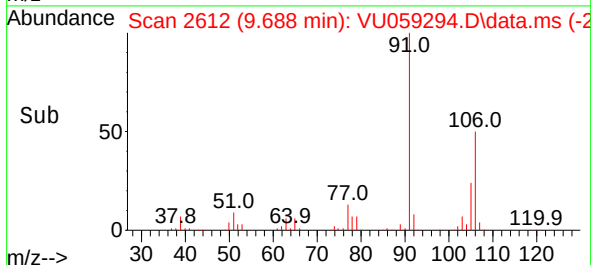
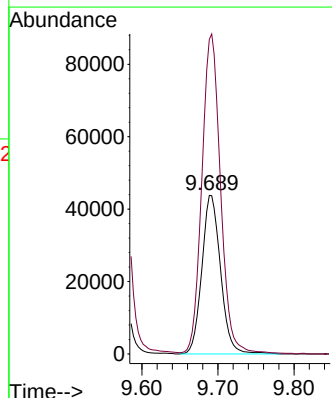
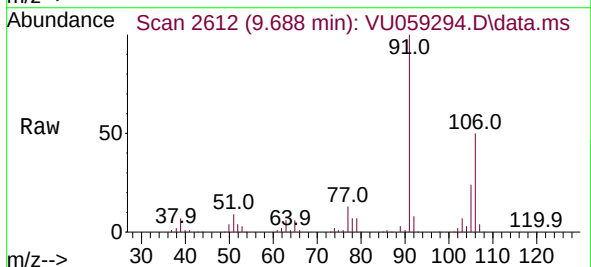
Acq: 17 Jun 2024 20:51

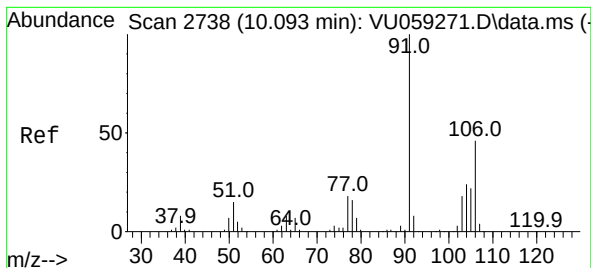
Tgt Ion:106 Resp: 74894

Ion Ratio Lower Upper

106 100

91 198.3 142.0 263.8





#54

o-Xylene

Concen: 5.481 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU059294.D

Acq: 17 Jun 2024 20:51

Instrument :

MSVOA\_U

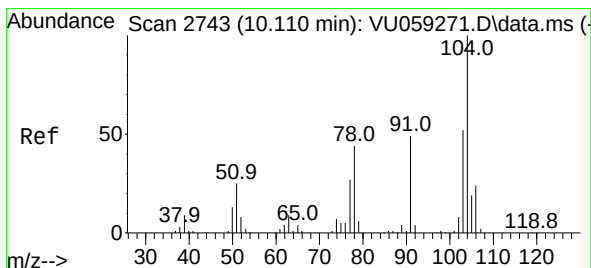
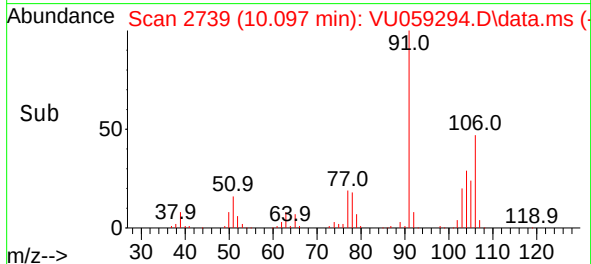
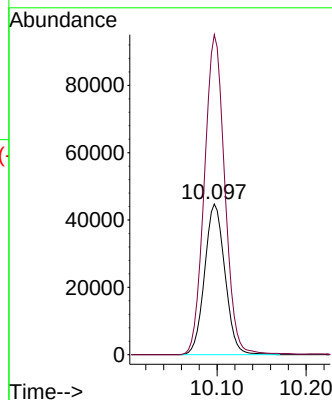
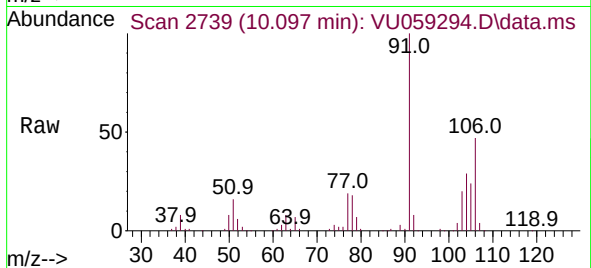
ClientSampleId :

Tgt Ion:106 Resp: 71042

Ion Ratio Lower Upper

106 100

91 212.3 151.6 281.6



#55

Styrene

Concen: 5.735 ug/L

RT: 10.113 min Scan# 2744

Delta R.T. 0.003 min

Lab File: VU059294.D

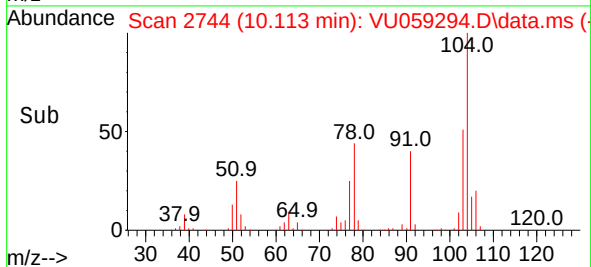
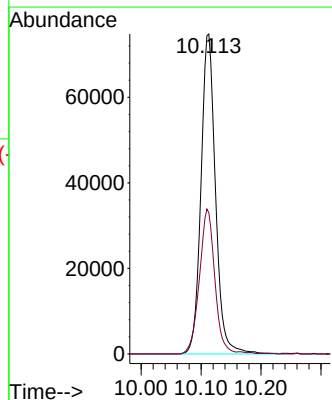
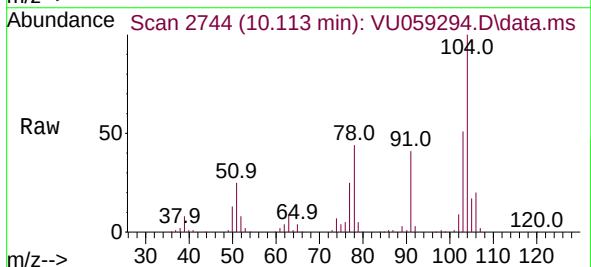
Acq: 17 Jun 2024 20:51

Tgt Ion:104 Resp: 126537

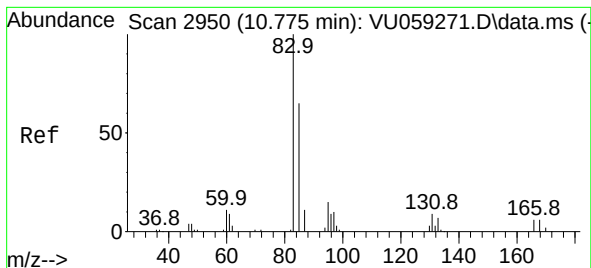
Ion Ratio Lower Upper

104 100

78 44.1 32.3 60.1







#57

1,1,2,2-Tetrachloroethane

Concen: 5.624 ug/L

RT: 10.778 min Scan# 2950

Delta R.T. 0.003 min

Lab File: VU059294.D

Acq: 17 Jun 2024 20:51

Instrument :

MSVOA\_U

ClientSampleId :

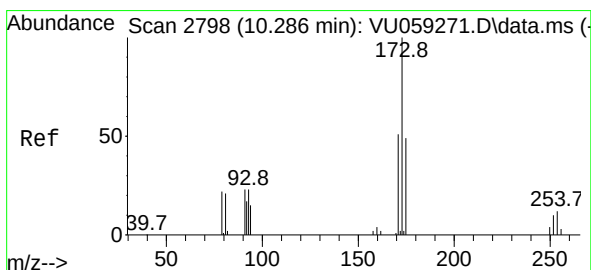
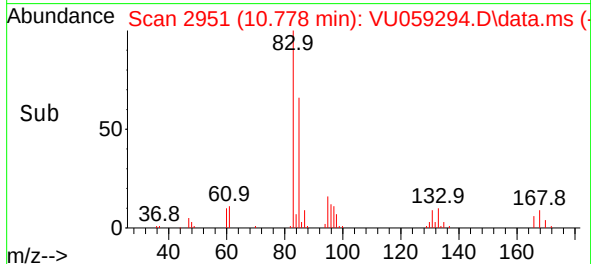
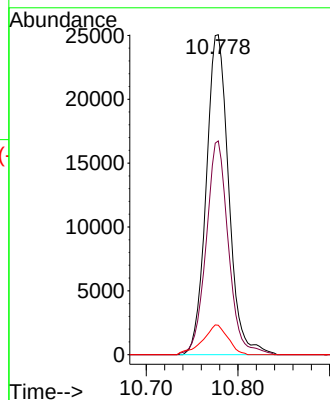
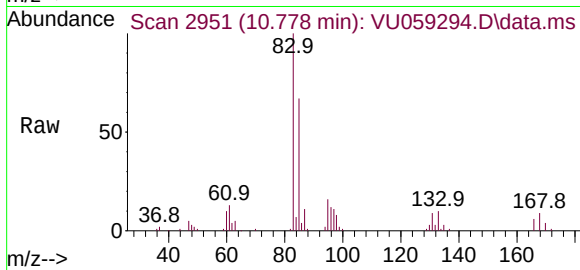
Tgt Ion: 83 Resp: 42599

Ion Ratio Lower Upper

83 100

85 66.8 44.7 82.9

131 9.2 6.9 10.3



#59

Bromoform

Concen: 5.583 ug/L

RT: 10.287 min Scan# 2798

Delta R.T. 0.000 min

Lab File: VU059294.D

Acq: 17 Jun 2024 20:51

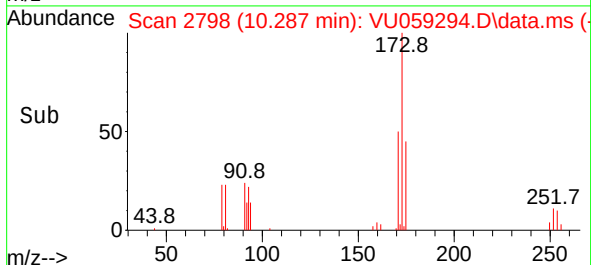
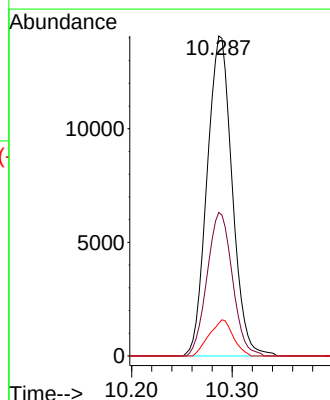
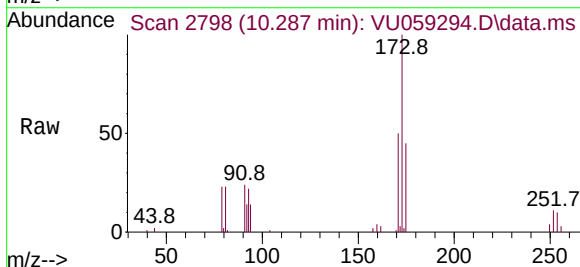
Tgt Ion: 173 Resp: 24374

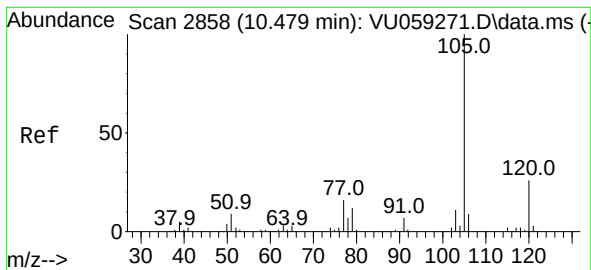
Ion Ratio Lower Upper

173 100

175 45.2 39.4 59.2

254 10.8 7.4 11.2





#60

Isopropylbenzene

Concen: 5.302 ug/L

RT: 10.479 min Scan# 2858

Delta R.T. 0.000 min

Lab File: VU059294.D

Acq: 17 Jun 2024 20:51

Instrument :

MSVOA\_U

ClientSampleId :

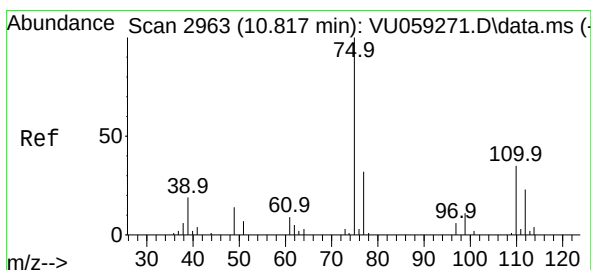
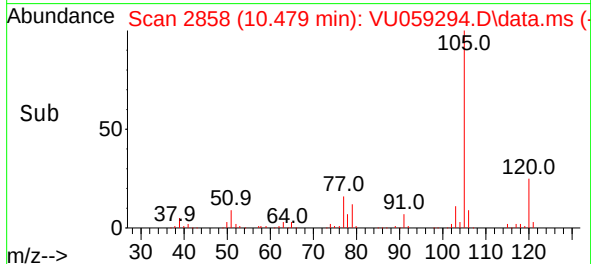
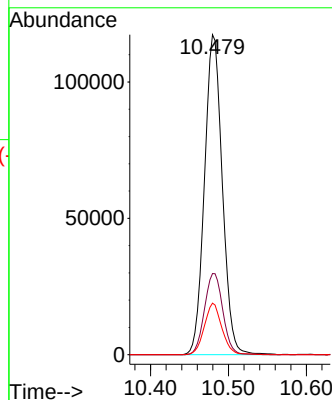
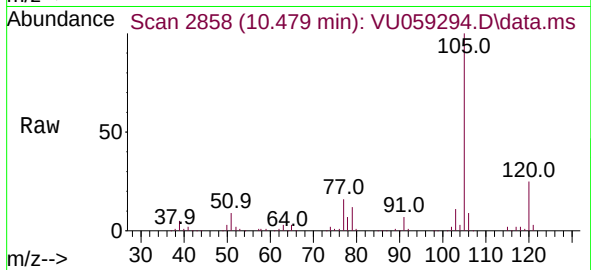
Tgt Ion:105 Resp: 186837

Ion Ratio Lower Upper

105 100

120 26.1 20.6 31.0

77 15.9 12.8 19.2



#61

1,2,3-Trichloropropane

Concen: 5.748 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. 0.000 min

Lab File: VU059294.D

Acq: 17 Jun 2024 20:51

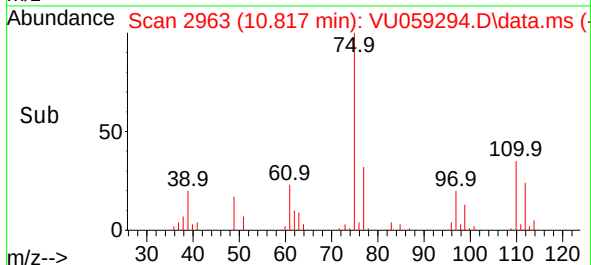
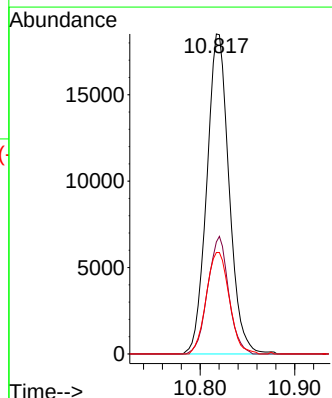
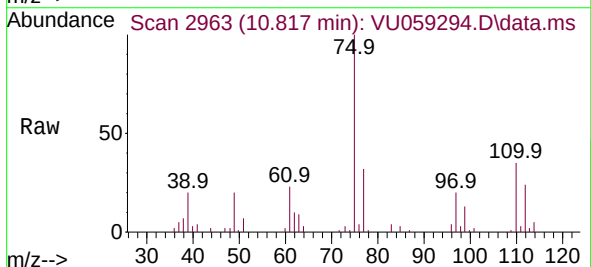
Tgt Ion: 75 Resp: 30300

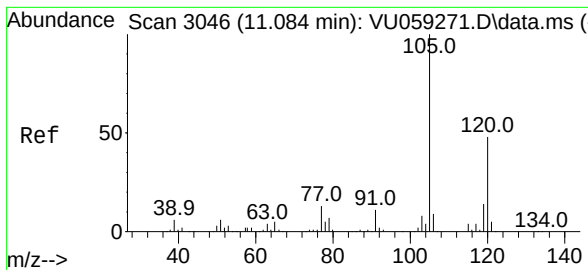
Ion Ratio Lower Upper

75 100

110 34.5 27.1 40.7

77 32.7 25.4 38.2

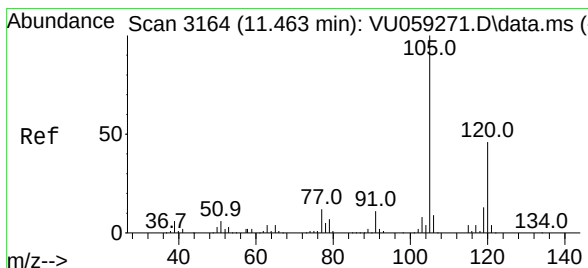
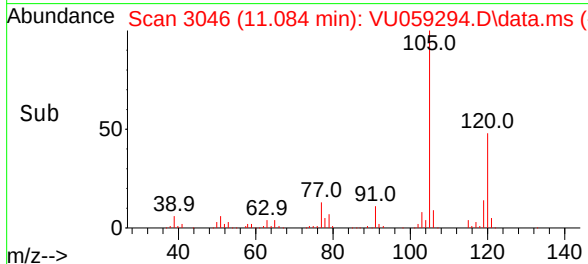
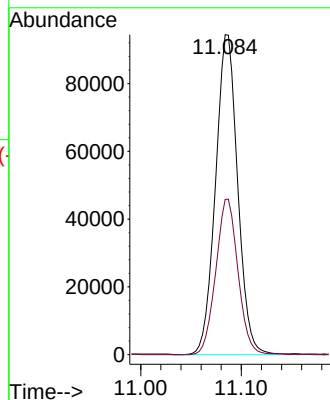
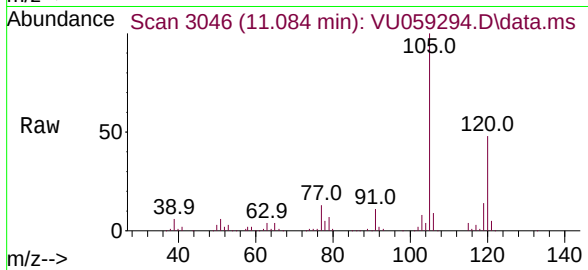




#62  
1,3,5-Trimethylbenzene  
Concen: 5.177 ug/L  
RT: 11.084 min Scan# 3046  
Delta R.T. -0.000 min  
Lab File: VU059294.D  
Acq: 17 Jun 2024 20:51

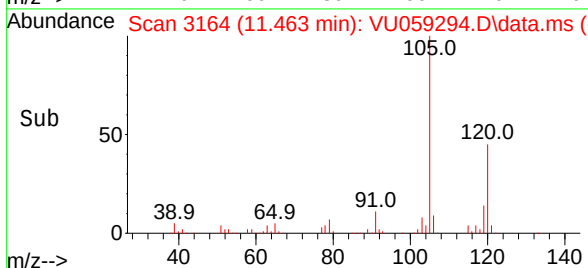
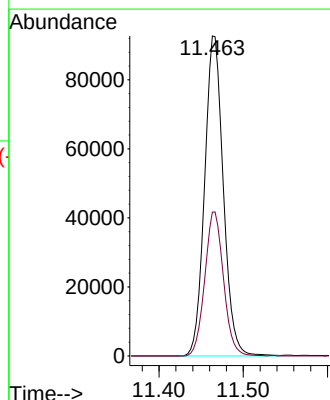
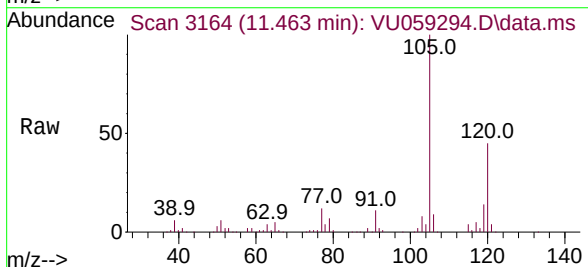
Instrument :  
MSVOA\_U  
ClientSampleId :

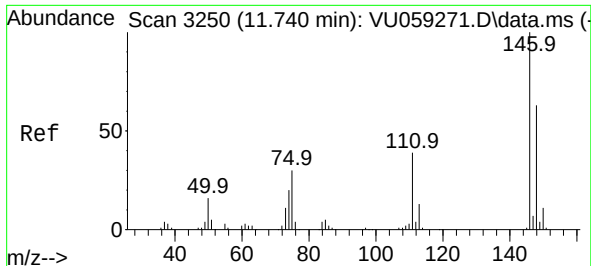
Tgt Ion:105 Resp: 144538  
Ion Ratio Lower Upper  
105 100  
120 48.8 38.2 57.4



#63  
1,2,4-Trimethylbenzene  
Concen: 5.375 ug/L  
RT: 11.463 min Scan# 3164  
Delta R.T. 0.000 min  
Lab File: VU059294.D  
Acq: 17 Jun 2024 20:51

Tgt Ion:105 Resp: 143468  
Ion Ratio Lower Upper  
105 100  
120 45.0 35.4 53.0





#64

1,3-Dichlorobenzene

Concen: 5.235 ug/L

RT: 11.743 min Scan# 3250

Delta R.T. 0.003 min

Lab File: VU059294.D

Acq: 17 Jun 2024 20:51

Instrument :

MSVOA\_U

ClientSampleId :

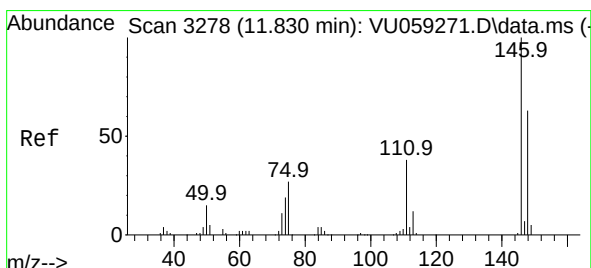
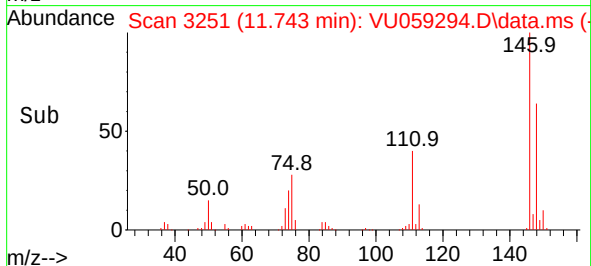
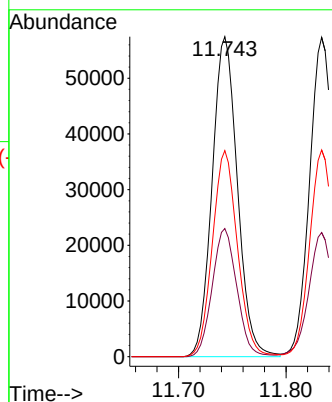
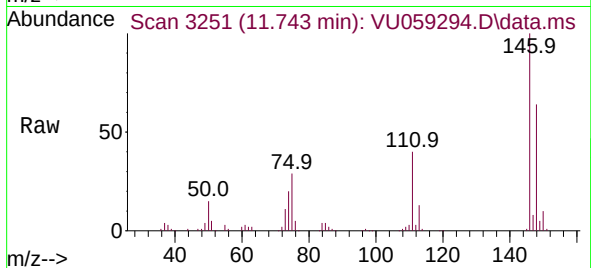
Tgt Ion:146 Resp: 93834

Ion Ratio Lower Upper

146 100

111 40.0 27.4 51.0

148 64.4 45.0 83.6



#65

1,4-Dichlorobenzene

Concen: 5.023 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. 0.003 min

Lab File: VU059294.D

Acq: 17 Jun 2024 20:51

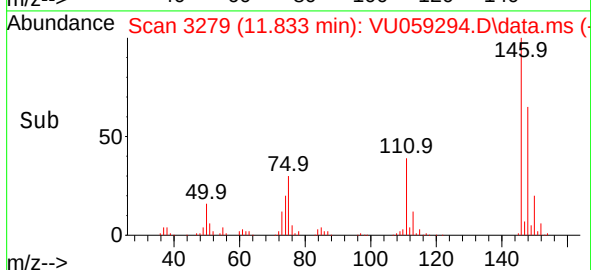
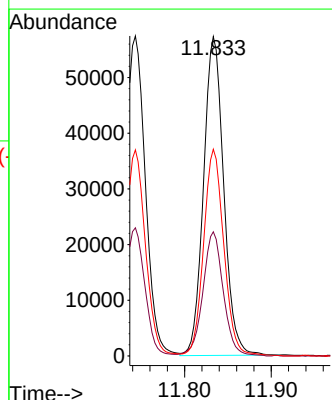
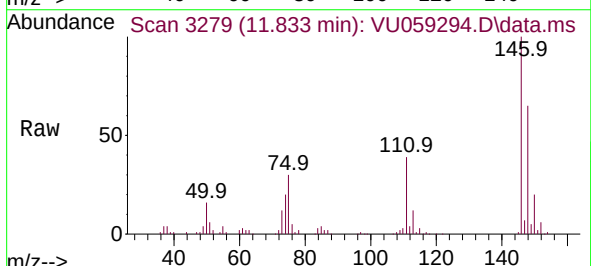
Tgt Ion:146 Resp: 92667

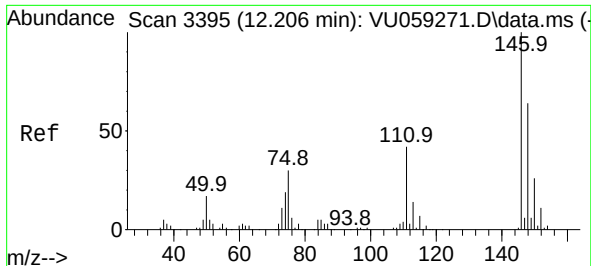
Ion Ratio Lower Upper

146 100

111 38.9 26.9 50.1

148 64.7 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 5.306 ug/L

RT: 12.209 min Scan# 3395

Delta R.T. 0.003 min

Lab File: VU059294.D

Acq: 17 Jun 2024 20:51

Instrument :

MSVOA\_U

ClientSampleId :

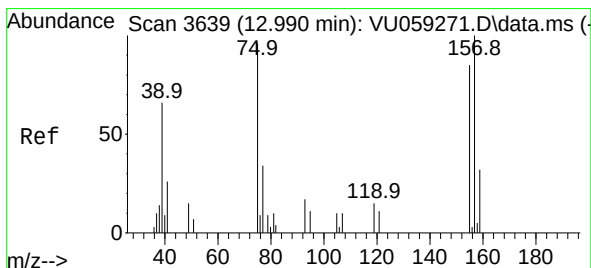
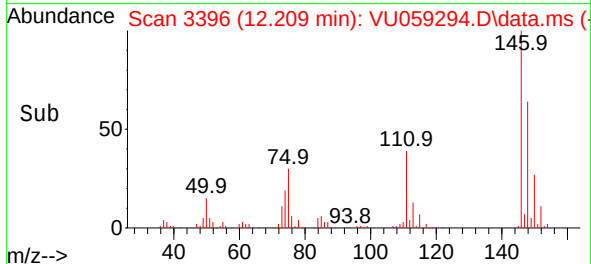
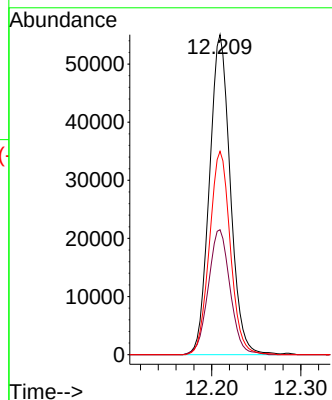
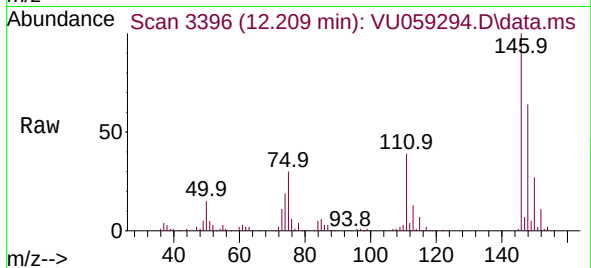
Tgt Ion:146 Resp: 89488

Ion Ratio Lower Upper

146 100

111 39.0 33.4 50.0

148 63.6 49.7 74.5



#68

1,2-Dibromo-3-chloropropane

Concen: 5.957 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.006 min

Lab File: VU059294.D

Acq: 17 Jun 2024 20:51

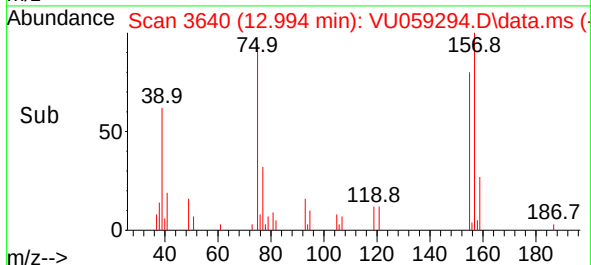
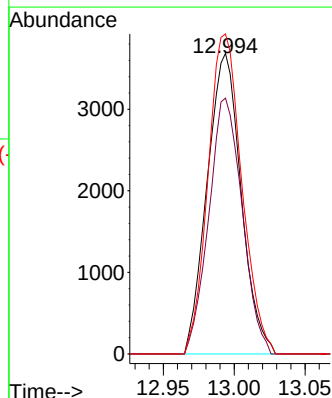
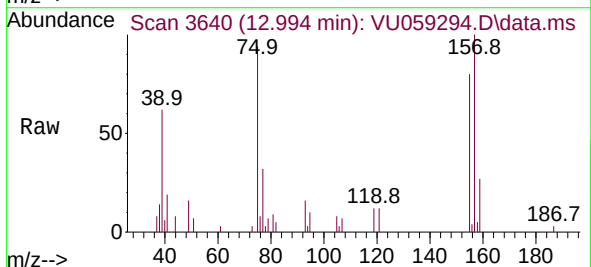
Tgt Ion: 75 Resp: 6125

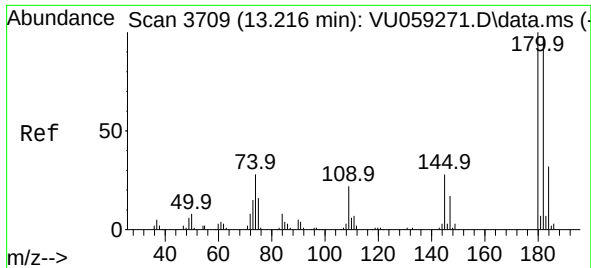
Ion Ratio Lower Upper

75 100

155 85.1 58.2 87.2

157 106.5 80.0 120.0





#69

1,3,5-Trichlorobenzene

Concen: 4.928 ug/L

RT: 13.216 min Scan# 3709

Delta R.T. 0.003 min

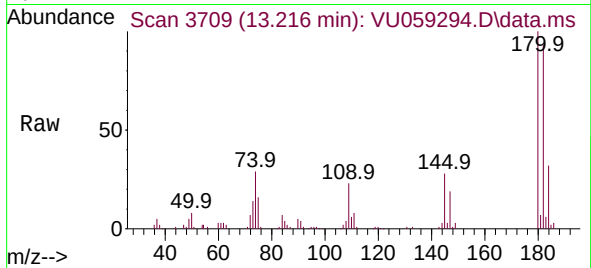
Lab File: VU059294.D

Acq: 17 Jun 2024 20:51

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion:180 Resp: 65385

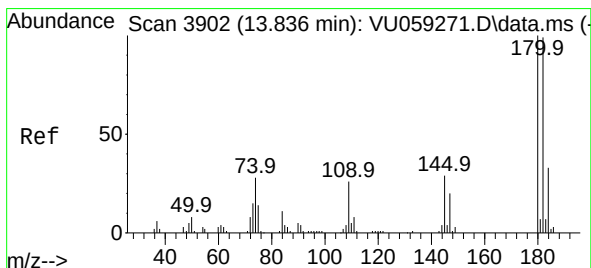
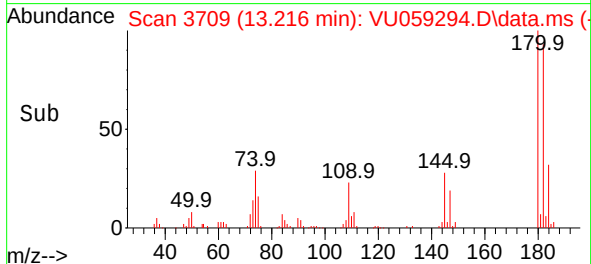
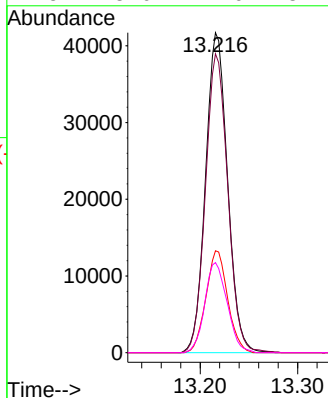
Ion Ratio Lower Upper

180 100

182 94.6 75.4 113.0

184 31.5 23.0 34.6

145 28.6 22.9 34.3



#70

1,2,4-trichlorobenzene

Concen: 4.875 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.000 min

Lab File: VU059294.D

Acq: 17 Jun 2024 20:51

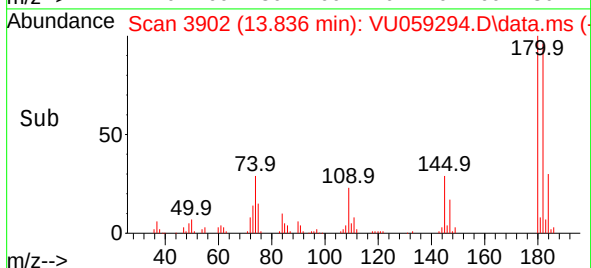
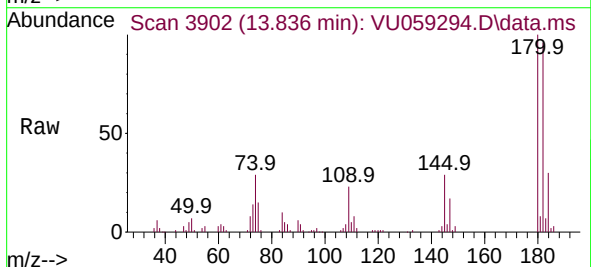
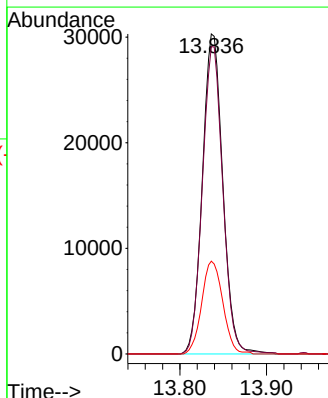
Tgt Ion:180 Resp: 49616

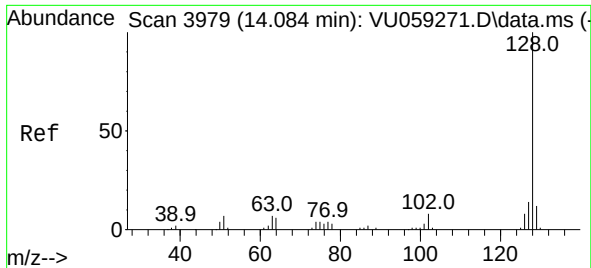
Ion Ratio Lower Upper

180 100

182 96.0 74.9 112.3

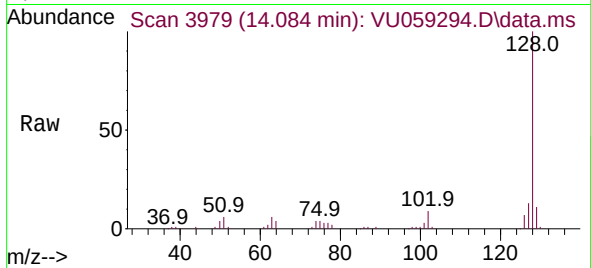
145 30.0 23.9 35.9



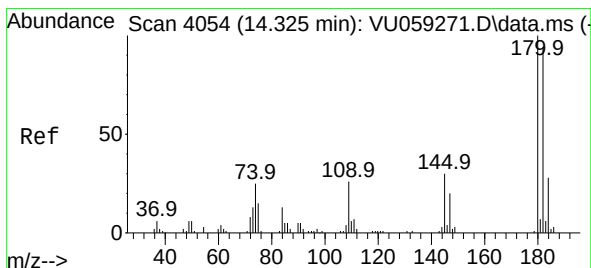
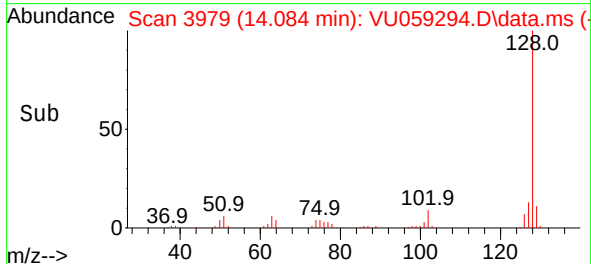
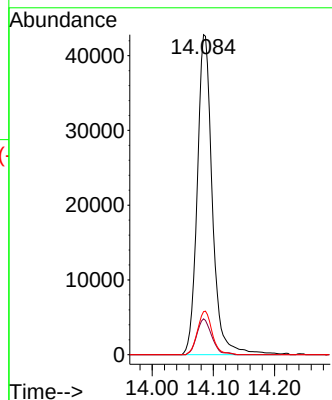


#71  
Naphthalene  
Concen: 5.035 ug/L  
RT: 14.084 min Scan# 3979  
Delta R.T. 0.000 min  
Lab File: VU059294.D  
Acq: 17 Jun 2024 20:51

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion:128 Resp: 73348  
Ion Ratio Lower Upper  
128 100  
129 11.1 8.2 12.4  
127 13.2 10.2 15.4



#72  
1,2,3-Trichlorobenzene  
Concen: 5.076 ug/L  
RT: 14.328 min Scan# 4055  
Delta R.T. 0.003 min  
Lab File: VU059294.D  
Acq: 17 Jun 2024 20:51

Tgt Ion:180 Resp: 47967  
Ion Ratio Lower Upper  
180 100  
182 95.7 77.0 115.6  
145 30.6 26.2 39.4

