

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU101123\  
 Data File : VU055754.D  
 Acq On : 11 Oct 2023 17:48  
 Operator : MD/SY  
 Sample : 04792-03MSD  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EY1B0MSD

Quant Time: Oct 12 01:58:41 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM101023WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Oct 12 01:53:31 2023  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.245   | 114   | 435467   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.415   | 117   | 446475   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807  | 152   | 259350   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.599   | 65    | 153635   | 39.333   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 78.660%  |
| 7) Chloroethane-d5            | 1.885   | 69    | 130431   | 40.851   | ug/L   | -0.02    |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 81.700%  |
| 11) 1,1-Dichloroethene-d2     | 2.560   | 63    | 290938   | 41.774   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 83.540%  |
| 21) 2-Butanone-d5             | 4.615   | 46    | 272199   | 94.048   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 94.050%  |
| 24) Chloroform-d              | 5.055   | 84    | 334343   | 44.650   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 89.300%  |
| 26) 1,2-Dichloroethane-d4     | 5.695   | 65    | 213660   | 46.357   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 92.720%  |
| 32) Benzene-d6                | 5.721   | 84    | 643363   | 45.037   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 90.080%  |
| 36) 1,2-Dichloropropane-d6    | 6.685   | 67    | 200351   | 44.302   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 88.600%  |
| 41) Toluene-d8                | 7.894   | 98    | 583813   | 45.260   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 90.520%  |
| 43) trans-1,3-Dichloroprop... | 8.177   | 79    | 97259    | 44.770   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 89.540%  |
| 47) 2-Hexanone-d5             | 8.634   | 63    | 204782   | 115.184  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 115.180% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753  | 84    | 371788   | 53.410   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 106.820% |
| 66) 1,2-Dichlorobenzene-d4    | 12.190  | 152   | 245367   | 47.675   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 95.360%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.380   | 85    | 158006   | 43.577   | ug/L   | 100      |
| 3) Chloromethane              | 1.518   | 50    | 152376   | 44.413   | ug/L   | 95       |
| 5) Vinyl chloride             | 1.602   | 62    | 177156   | 46.920   | ug/L   | 98       |
| 6) Bromomethane               | 1.830   | 94    | 76250    | 31.590   | ug/L   | 93       |
| 8) Chloroethane               | 1.907   | 64    | 107491   | 43.402   | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 2.123   | 101   | 246020   | 45.605   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.573   | 101   | 149371   | 43.055   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.570   | 96    | 138150   | 44.749   | ug/L   | 98       |
| 13) Acetone                   | 2.618   | 43    | 171880   | 63.995   | ug/L   | 95       |
| 14) Carbon disulfide          | 2.785   | 76    | 381720   | 40.630   | ug/L   | 99       |
| 15) Methyl Acetate            | 2.940   | 43    | 173991   | 42.300   | ug/L   | 96       |
| 16) Methylene chloride        | 3.036   | 84    | 167726   | 44.800   | ug/L   | 96       |
| 17) trans-1,2-Dichloroethene  | 3.345   | 96    | 140542   | 44.520   | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 3.358   | 73    | 492398   | 48.501   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.862   | 63    | 290492   | 44.872   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 4.660   | 96    | 173834   | 48.248   | ug/L   | 100      |
| 22) 2-Butanone                | 4.695   | 43    | 259162   | 80.055   | ug/L   | 99       |
| 23) Bromochloromethane        | 4.965   | 128   | 87068    | 46.662   | ug/L   | 97       |
| 25) Chloroform                | 5.081   | 83    | 311804   | 46.105   | ug/L   | 98       |

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 Sample : 04792-03MSD  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
 EY1B0MSD

Quant Time: Oct 12 01:58:41 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM101023WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Oct 12 01:53:31 2023  
 Response via : Initial Calibration

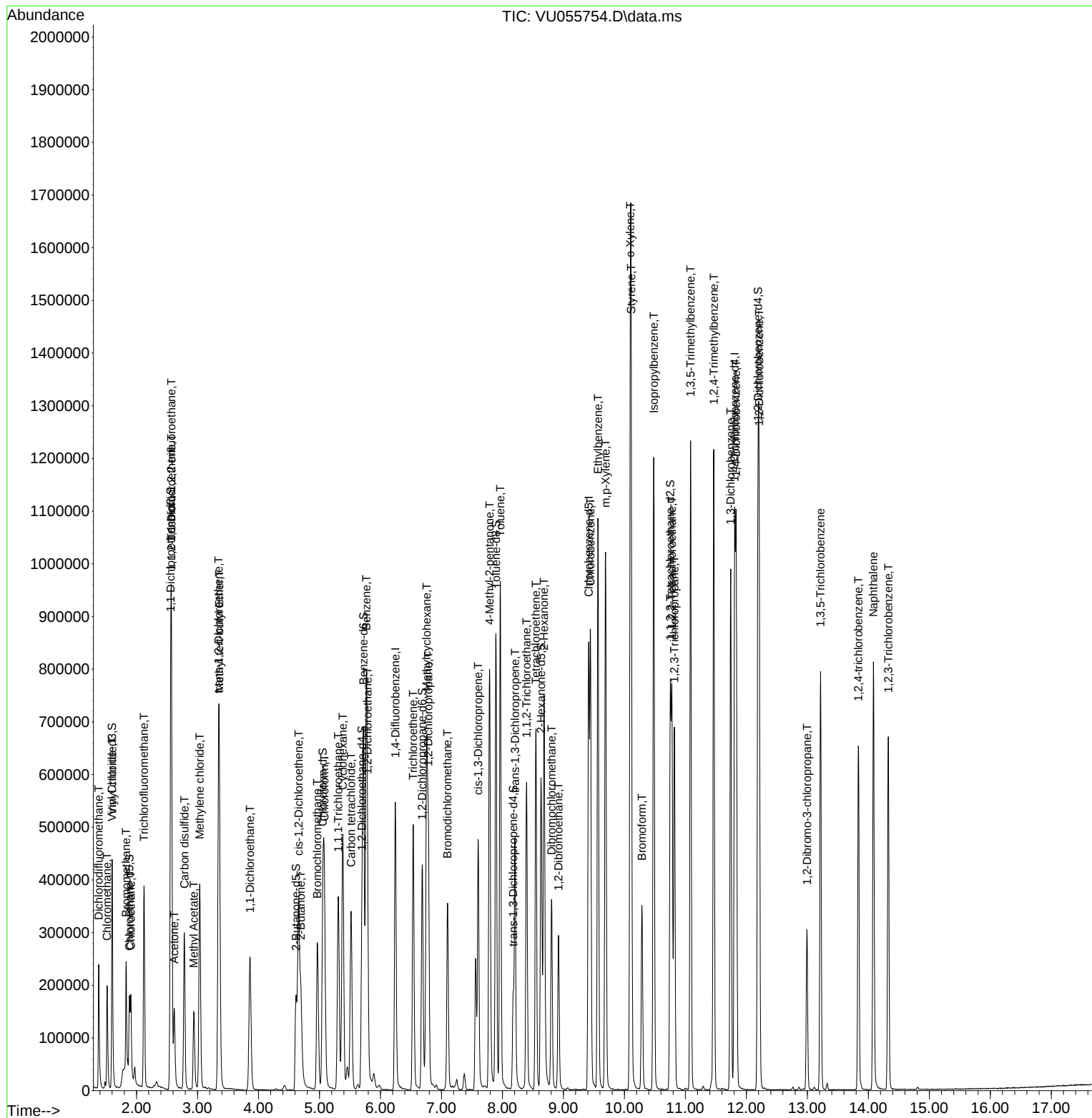
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.788  | 62   | 255855   | 47.302  | ug/L  | 100      |
| 29) Cyclohexane               | 5.383  | 56   | 234606   | 45.843  | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 5.309  | 97   | 267424   | 46.361  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.518  | 117  | 231111   | 45.774  | ug/L  | 99       |
| 33) Benzene                   | 5.769  | 78   | 656353   | 46.506  | ug/L  | 100      |
| 34) Trichloroethene           | 6.537  | 95   | 169998   | 44.022  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.759  | 83   | 248173   | 44.294  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.785  | 63   | 175915   | 45.265  | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.100  | 83   | 234380   | 45.732  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 7.602  | 75   | 269967   | 45.660  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.788  | 43   | 553211   | 102.322 | ug/L  | 98       |
| 42) Toluene                   | 7.965  | 91   | 697867   | 46.861  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 8.206  | 75   | 265747   | 46.976  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 8.396  | 97   | 181257   | 47.299  | ug/L  | 98       |
| 46) Tetrachloroethene         | 8.550  | 164  | 144779   | 52.364  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.682  | 43   | 474644   | 103.934 | ug/L  | 95       |
| 49) Dibromochloromethane      | 8.804  | 129  | 183323   | 46.819  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.920  | 107  | 192818   | 46.845  | ug/L  | 99       |
| 51) Chlorobenzene             | 9.444  | 112  | 447496   | 46.443  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.566  | 91   | 765816   | 47.036  | ug/L  | 98       |
| 53) m,p-Xylene                | 9.692  | 106  | 290620   | 47.645  | ug/L  | 98       |
| 54) o-Xylene                  | 10.097 | 106  | 294870   | 49.956  | ug/L  | 98       |
| 55) Styrene                   | 10.113 | 104  | 517903   | 51.794  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.778 | 83   | 356238   | 54.291  | ug/L  | 100      |
| 59) Bromoform                 | 10.287 | 173  | 154883   | 48.512  | ug/L  | 97       |
| 60) 1,2,3-Trichloropropane    | 10.820 | 75   | 287837   | 51.138  | ug/L  | 98       |
| 61) Isopropylbenzene          | 10.483 | 105  | 778558   | 48.154  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 11.087 | 105  | 666299   | 50.930  | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 11.467 | 105  | 662027   | 51.175  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.743 | 146  | 382134   | 47.811  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.833 | 146  | 382843   | 46.589  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 12.209 | 146  | 391088   | 49.307  | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.994 | 75   | 79167    | 47.046  | ug/L  | 99       |
| 69) 1,3,5-Trichlorobenzene    | 13.216 | 180  | 232341   | 43.581  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.836 | 180  | 186266   | 41.945  | ug/L  | 100      |
| 71) Naphthalene               | 14.084 | 128  | 639526   | 48.481  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.328 | 180  | 191597   | 43.761  | ug/L  | 97       |

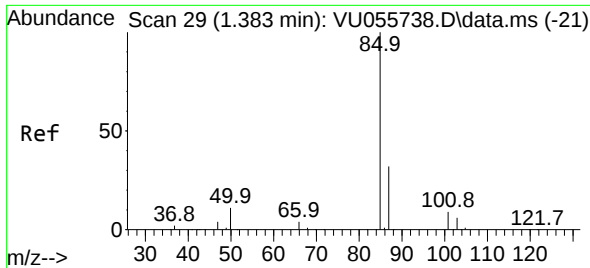
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : 04792-03MSD  
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Quant Title : VOC Analysis  
QLast Update : Thu Oct 12 01:53:31 2023  
Response via : Initial Calibration

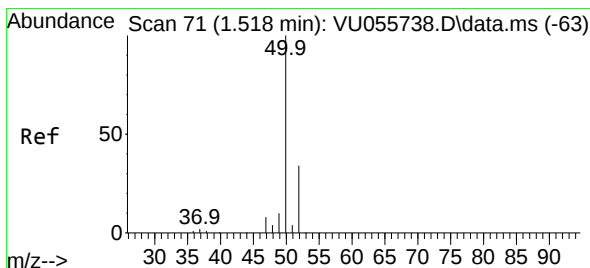
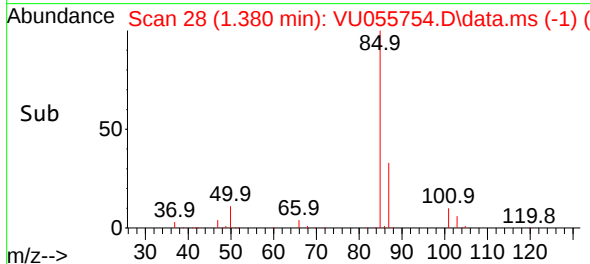
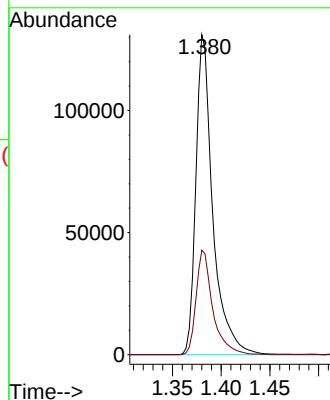
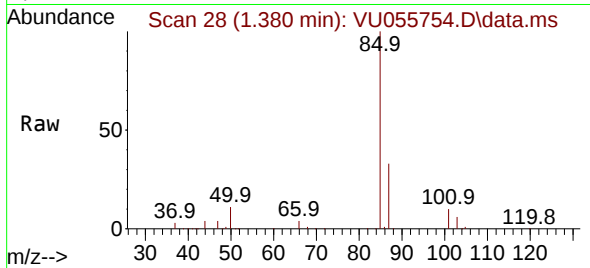




#2  
 Dichlorodifluoromethane  
 Concen: 43.577 ug/L  
 RT: 1.380 min Scan# 29  
 Delta R.T. -0.003 min  
 Lab File: VU055754.D  
 Acq: 11 Oct 2023 17:48

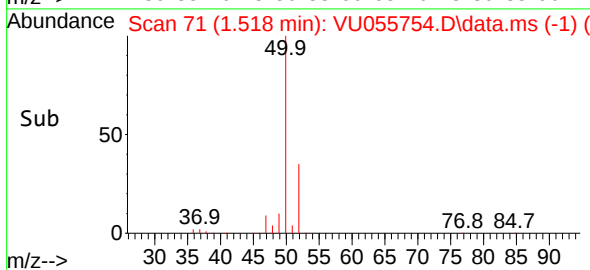
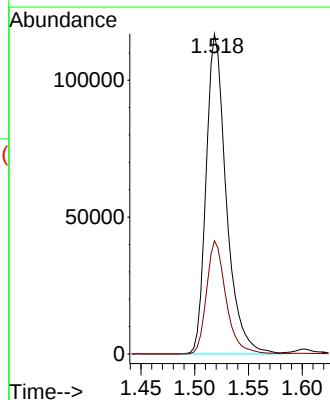
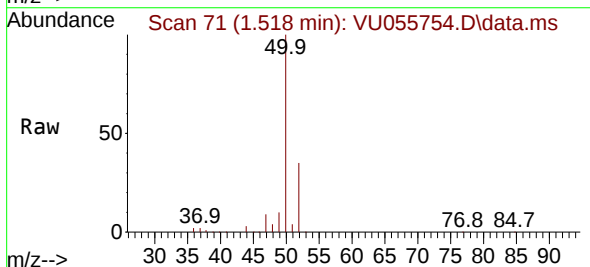
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EY1B0MSD

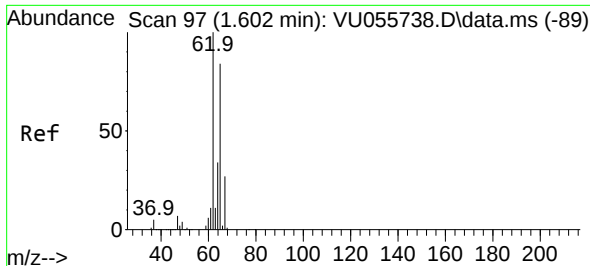
Tgt Ion: 85 Resp: 158006  
 Ion Ratio Lower Upper  
 85 100  
 87 32.2 26.0 39.0



#3  
 Chloromethane  
 Concen: 44.413 ug/L  
 RT: 1.518 min Scan# 71  
 Delta R.T. -0.000 min  
 Lab File: VU055754.D  
 Acq: 11 Oct 2023 17:48

Tgt Ion: 50 Resp: 152376  
 Ion Ratio Lower Upper  
 50 100  
 52 35.3 22.8 42.4

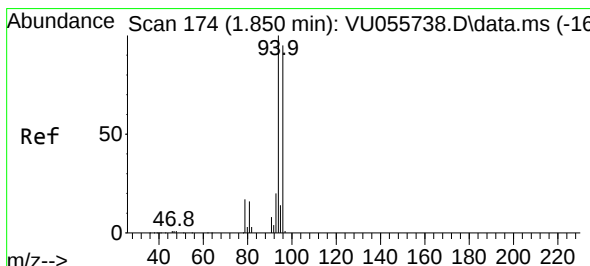
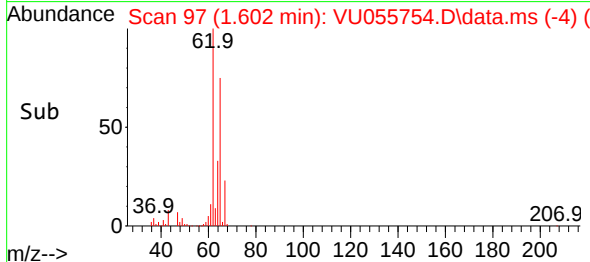
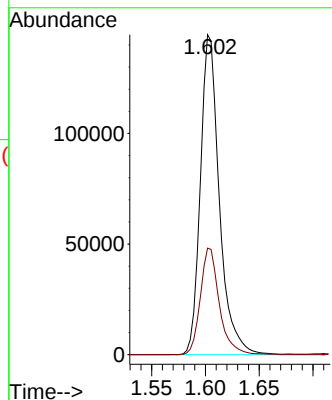
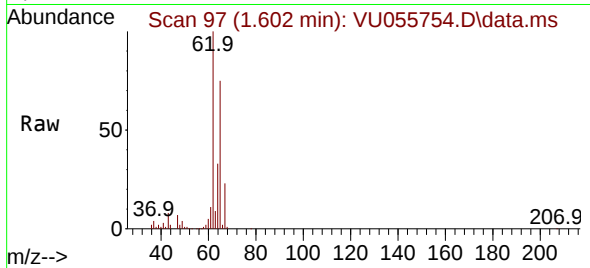




#5  
 Vinyl chloride  
 Concen: 46.920 ug/L  
 RT: 1.602 min Scan# 91  
 Delta R.T. -0.000 min  
 Lab File: VU055754.D  
 Acq: 11 Oct 2023 17:48

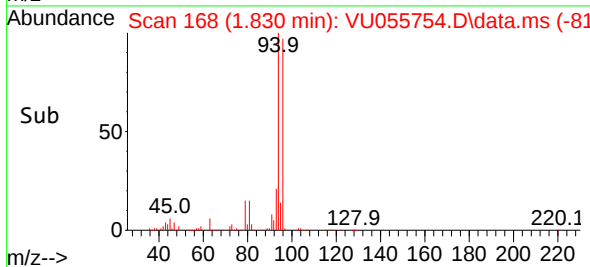
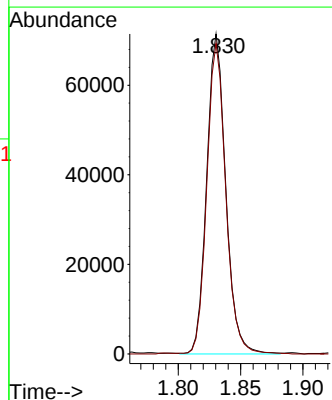
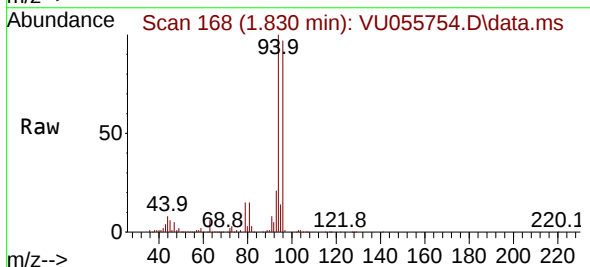
Instrument :  
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 ClientSampleId :  
 EY1B0MSD

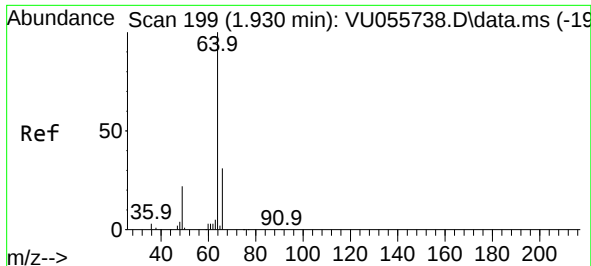
Tgt Ion: 62 Resp: 177156  
 Ion Ratio Lower Upper  
 62 100  
 64 33.3 23.9 44.5



#6  
 Bromomethane  
 Concen: 31.590 ug/L  
 RT: 1.830 min Scan# 168  
 Delta R.T. -0.019 min  
 Lab File: VU055754.D  
 Acq: 11 Oct 2023 17:48

Tgt Ion: 94 Resp: 76250  
 Ion Ratio Lower Upper  
 94 100  
 96 97.0 63.5 117.9

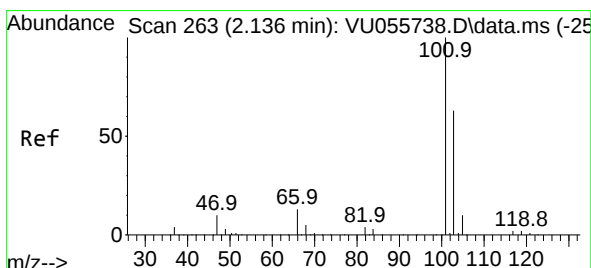
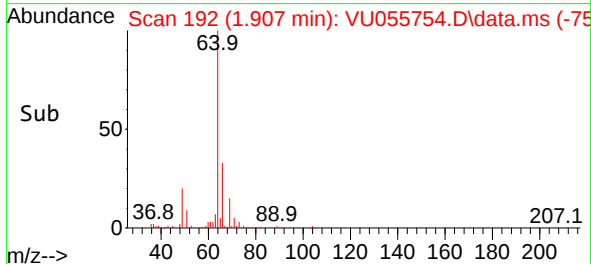
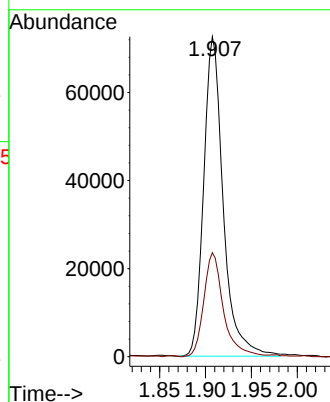
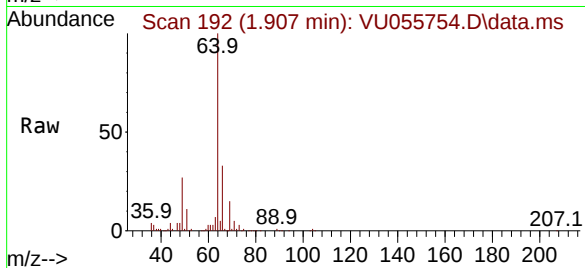




#8  
Chloroethane  
Concen: 43.402 ug/L  
RT: 1.907 min Scan# 19  
Delta R.T. -0.023 min  
Lab File: VU055754.D  
Acq: 11 Oct 2023 17:48

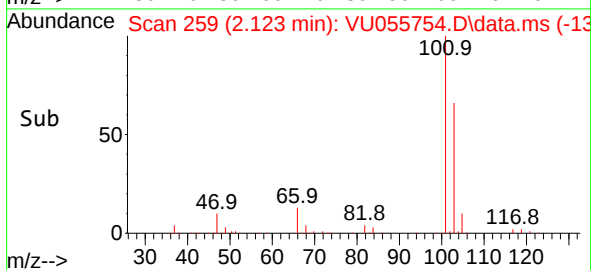
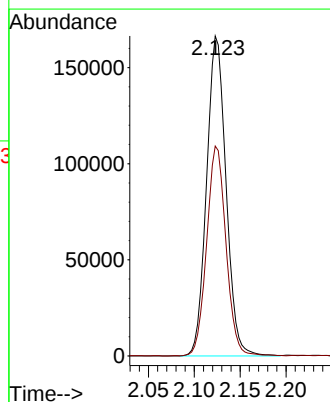
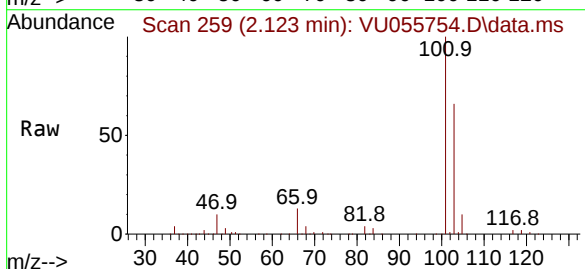
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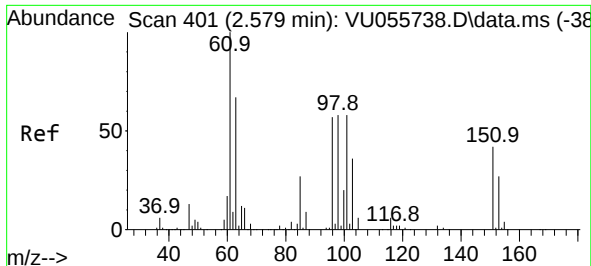
Tgt Ion: 64 Resp: 107491  
Ion Ratio Lower Upper  
64 100  
66 32.5 22.9 42.5



#9  
Trichlorofluoromethane  
Concen: 45.605 ug/L  
RT: 2.123 min Scan# 259  
Delta R.T. -0.013 min  
Lab File: VU055754.D  
Acq: 11 Oct 2023 17:48

Tgt Ion:101 Resp: 246020  
Ion Ratio Lower Upper  
101 100  
103 64.9 51.3 76.9

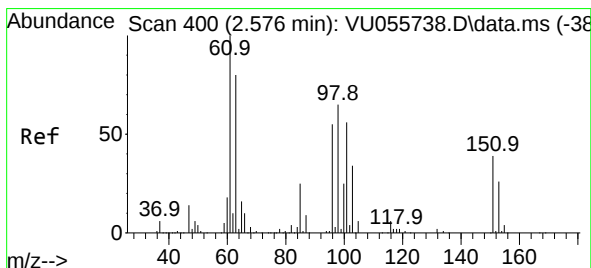
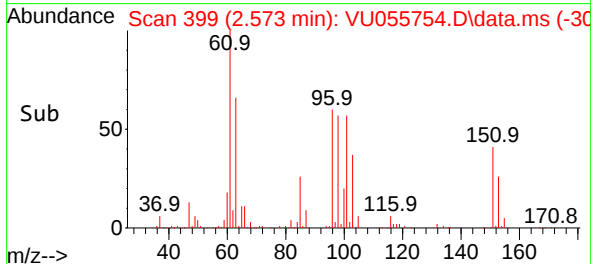
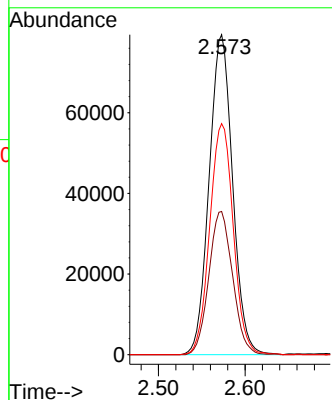
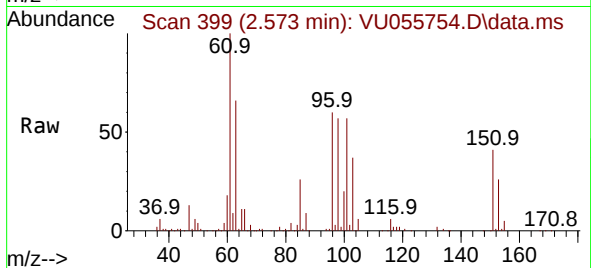




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 43.055 ug/L  
 RT: 2.573 min Scan# 399  
 Delta R.T. -0.007 min  
 Lab File: VU055754.D  
 Acq: 11 Oct 2023 17:48

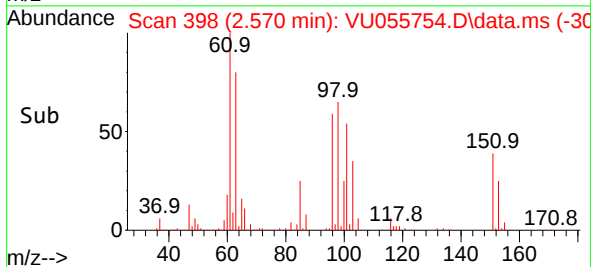
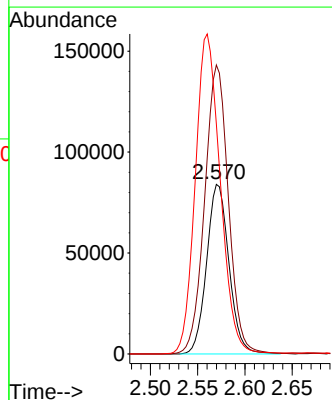
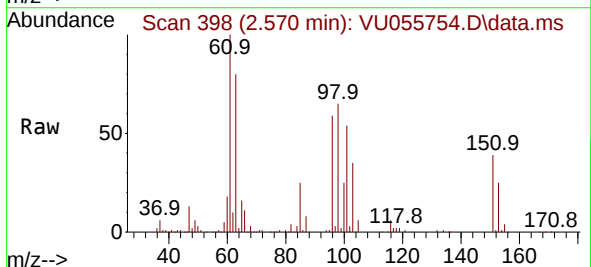
Instrument :  
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 ClientSampleId :  
 EY1B0MSD

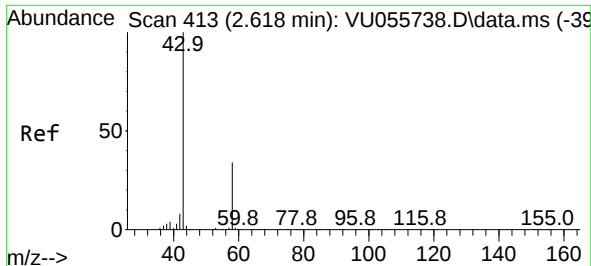
Tgt Ion:101 Resp: 149371  
 Ion Ratio Lower Upper  
 101 100  
 85 45.3 37.1 55.7  
 151 72.7 58.2 87.4



#12  
 1,1-Dichloroethene  
 Concen: 44.749 ug/L  
 RT: 2.570 min Scan# 398  
 Delta R.T. -0.007 min  
 Lab File: VU055754.D  
 Acq: 11 Oct 2023 17:48

Tgt Ion: 96 Resp: 138150  
 Ion Ratio Lower Upper  
 96 100  
 61 170.4 122.0 226.6  
 63 135.6 93.7 174.1





#13

Acetone

Concen: 63.995 ug/L

RT: 2.618 min Scan# 413

Delta R.T. -0.000 min

Lab File: VU055754.D

Acq: 11 Oct 2023 17:48

Instrument :

MSVOA\_U

ClientSampleId :

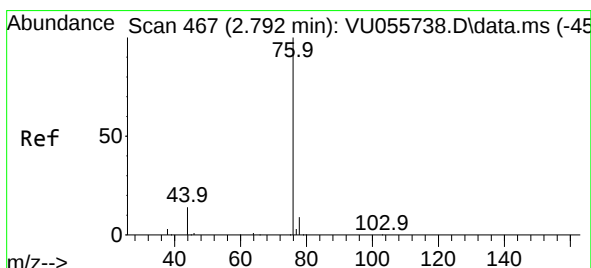
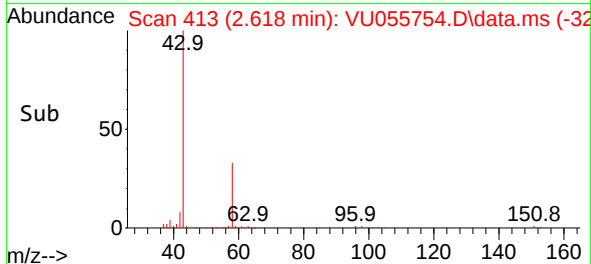
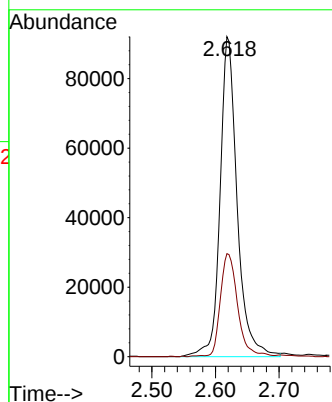
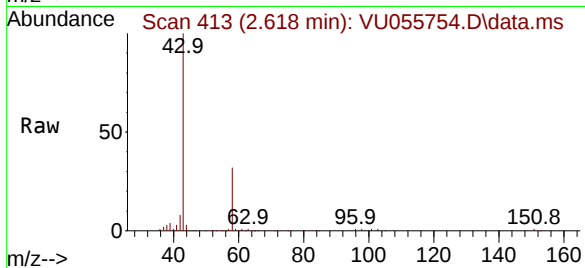
EY1B0MSD

Tgt Ion: 43 Resp: 171880

Ion Ratio Lower Upper

43 100

58 31.0 0.0 67.4



#14

Carbon disulfide

Concen: 40.630 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.007 min

Lab File: VU055754.D

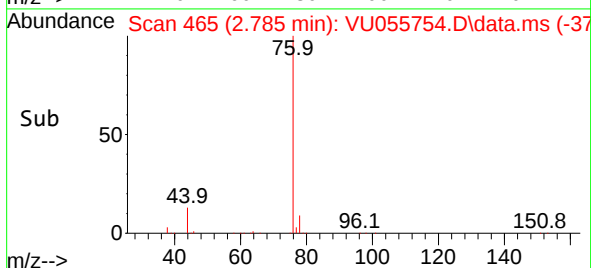
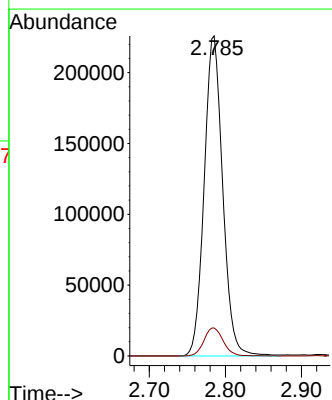
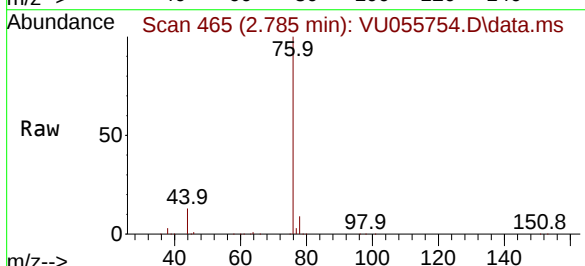
Acq: 11 Oct 2023 17:48

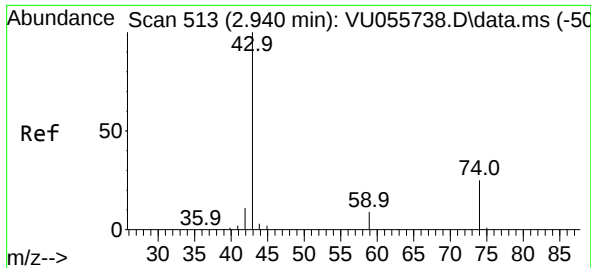
Tgt Ion: 76 Resp: 381720

Ion Ratio Lower Upper

76 100

78 8.7 6.8 10.2

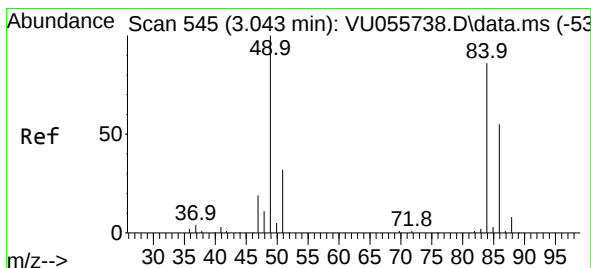
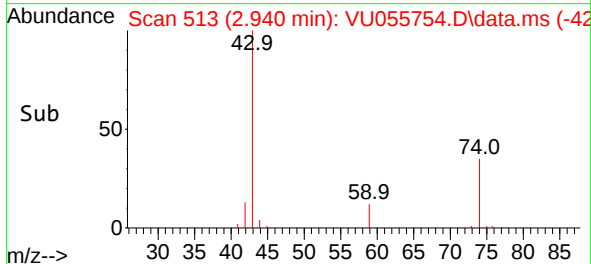
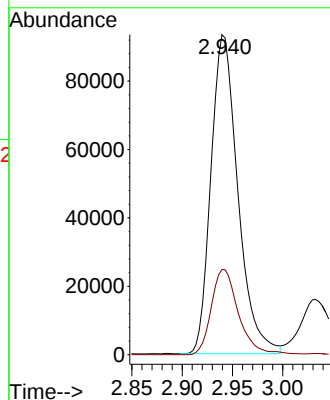
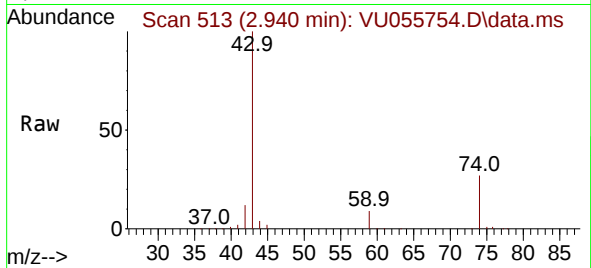




#15  
Methyl Acetate  
Concen: 42.300 ug/L  
RT: 2.940 min Scan# 513  
Delta R.T. -0.000 min  
Lab File: VU055754.D  
Acq: 11 Oct 2023 17:48

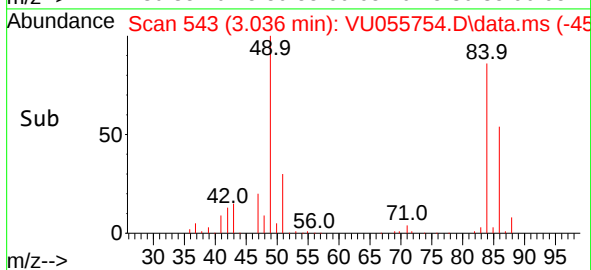
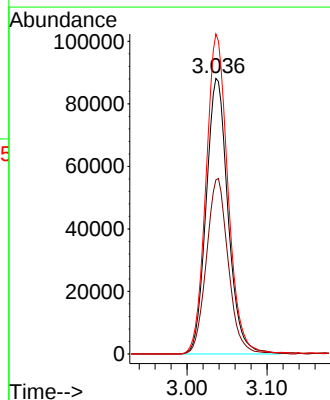
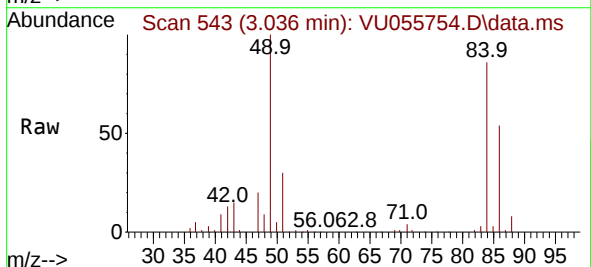
Instrument :  
MSVOA\_U  
ClientSampleId :  
EY1B0MSD

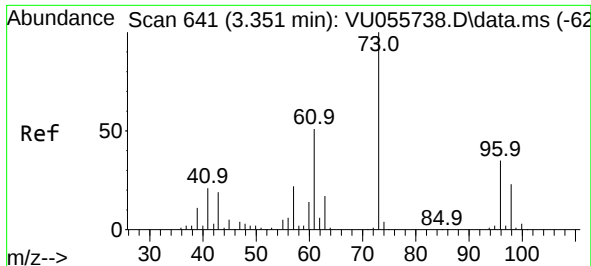
Tgt Ion: 43 Resp: 173991  
Ion Ratio Lower Upper  
43 100  
74 26.4 19.5 29.3



#16  
Methylene chloride  
Concen: 44.800 ug/L  
RT: 3.036 min Scan# 543  
Delta R.T. -0.007 min  
Lab File: VU055754.D  
Acq: 11 Oct 2023 17:48

Tgt Ion: 84 Resp: 167726  
Ion Ratio Lower Upper  
84 100  
86 63.2 46.3 86.1  
49 116.1 84.8 157.6

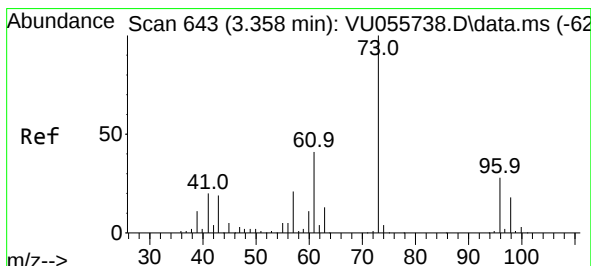
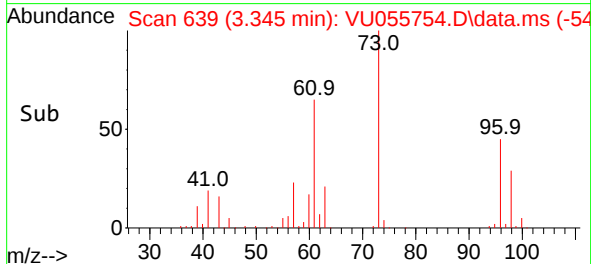
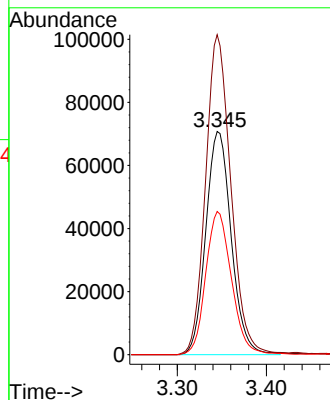
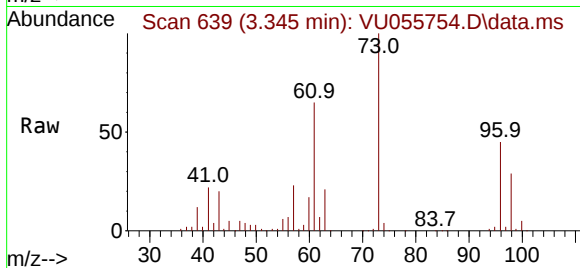




#17  
trans-1,2-Dichloroethene  
Concen: 44.520 ug/L  
RT: 3.345 min Scan# 61  
Delta R.T. -0.007 min  
Lab File: VU055754.D  
Acq: 11 Oct 2023 17:48

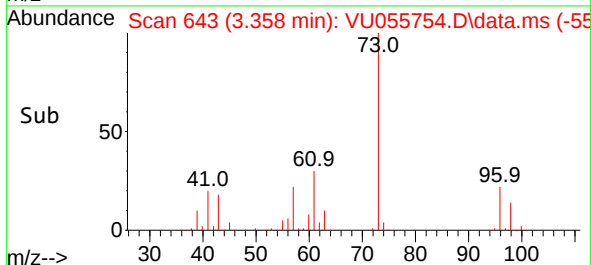
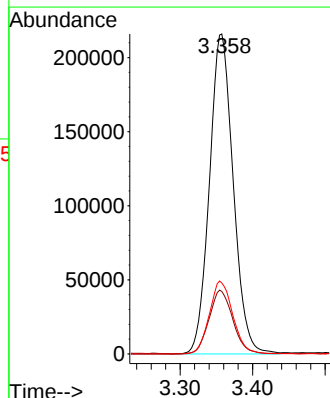
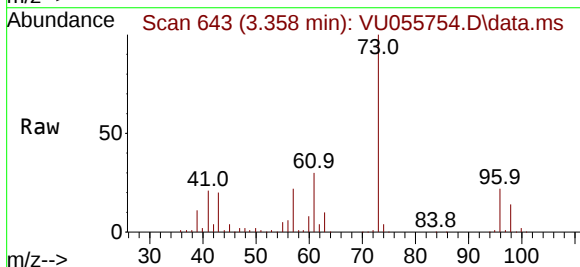
Instrument :  
MSVOA\_U  
ClientSampleId :  
EY1B0MSD

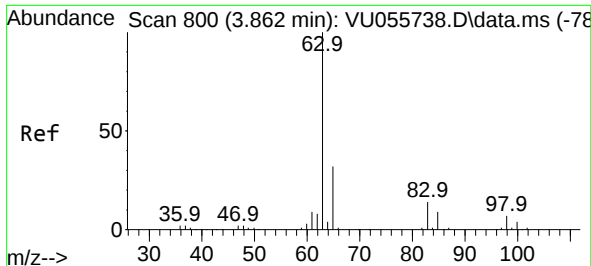
Tgt Ion: 96 Resp: 140542  
Ion Ratio Lower Upper  
96 100  
61 143.4 102.1 189.7  
98 64.2 46.3 86.1



#18  
Methyl tert-butyl Ether  
Concen: 48.501 ug/L  
RT: 3.358 min Scan# 643  
Delta R.T. -0.000 min  
Lab File: VU055754.D  
Acq: 11 Oct 2023 17:48

Tgt Ion: 73 Resp: 492398  
Ion Ratio Lower Upper  
73 100  
43 19.7 15.4 23.2  
57 22.5 17.7 26.5





#19

1,1-Dichloroethane

Concen: 44.872 ug/L

RT: 3.862 min Scan# 800

Delta R.T. -0.000 min

Lab File: VU055754.D

Acq: 11 Oct 2023 17:48

Instrument :

MSVOA\_U

ClientSampleId :

EY1B0MSD

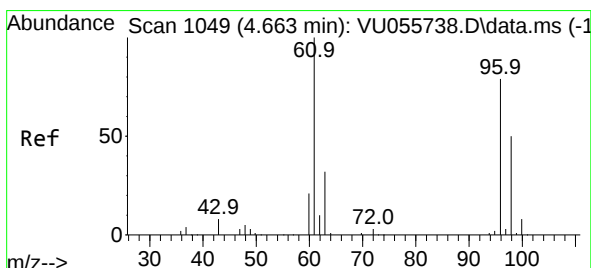
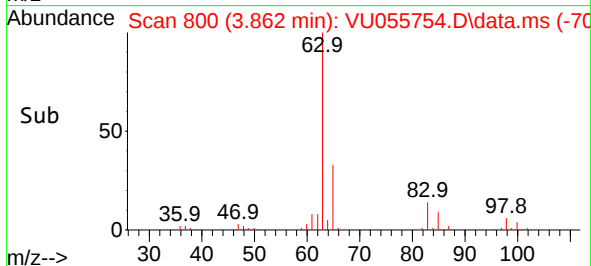
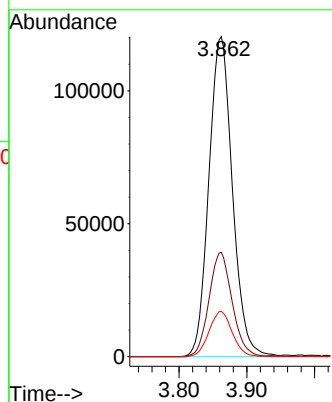
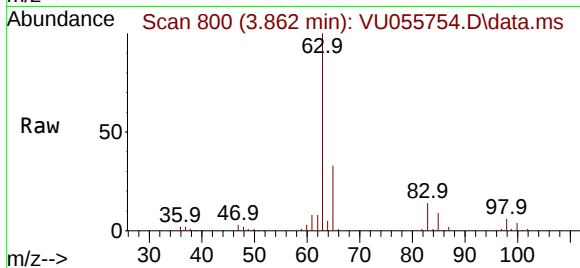
Tgt Ion: 63 Resp: 290492

Ion Ratio Lower Upper

63 100

65 32.6 22.3 41.5

83 14.2 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 48.248 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. -0.003 min

Lab File: VU055754.D

Acq: 11 Oct 2023 17:48

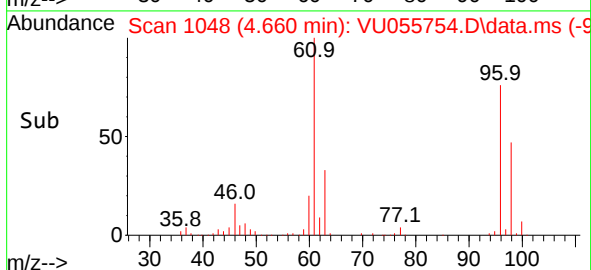
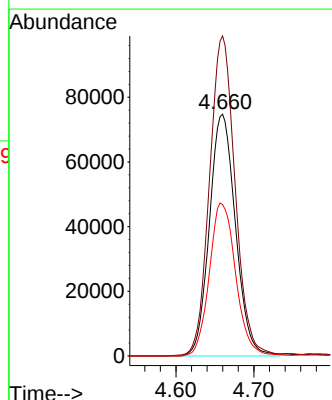
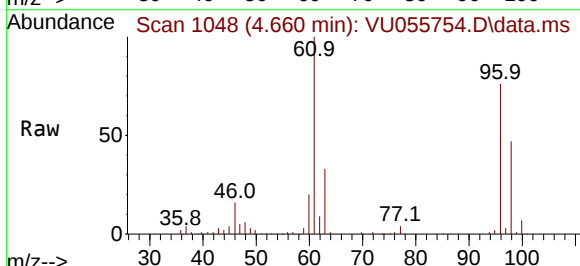
Tgt Ion: 96 Resp: 173834

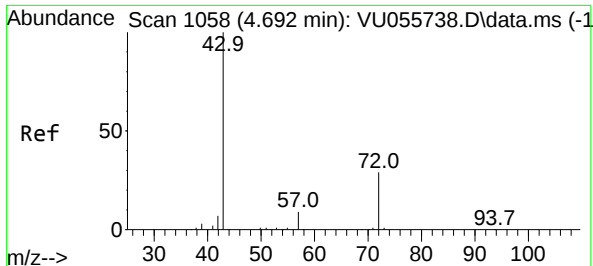
Ion Ratio Lower Upper

96 100

61 132.3 92.3 171.5

98 62.6 43.9 81.5

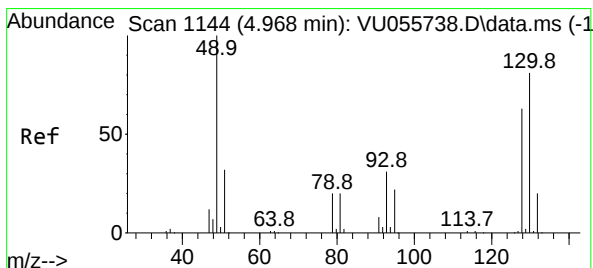
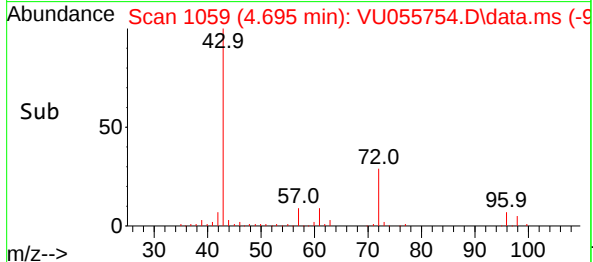
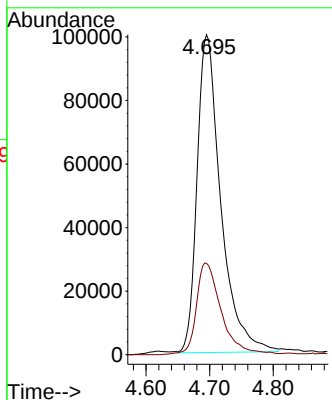
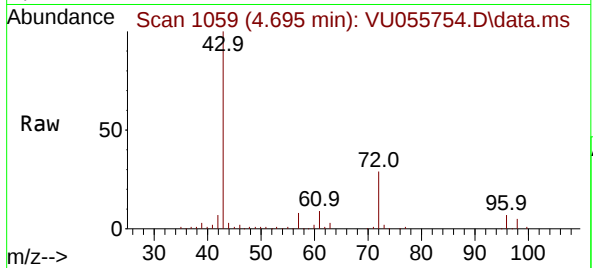




#22  
2-Butanone  
Concen: 80.055 ug/L  
RT: 4.695 min Scan# 1103  
Delta R.T. 0.003 min  
Lab File: VU055754.D  
Acq: 11 Oct 2023 17:48

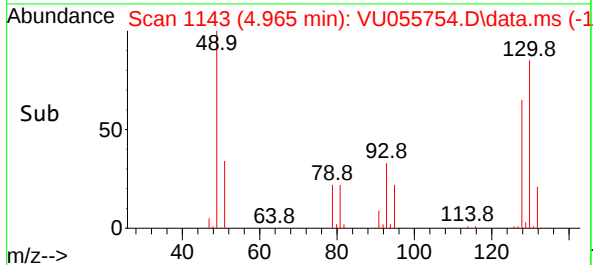
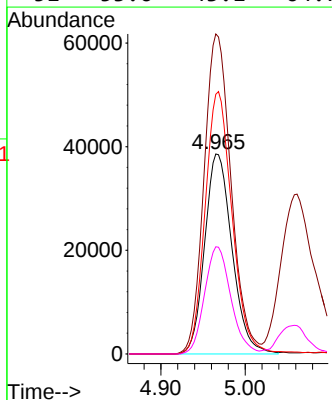
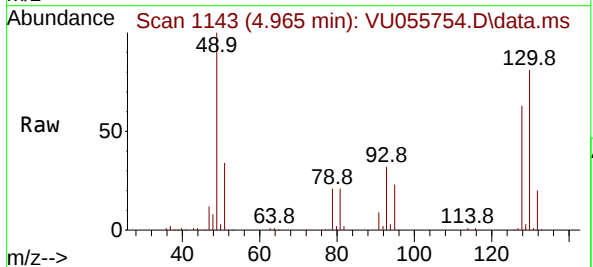
Instrument :  
MSVOA\_U  
ClientSampleId :  
EY1B0MSD

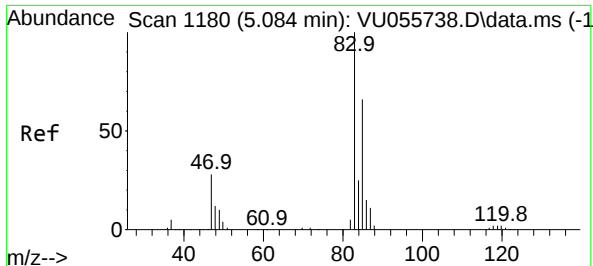
Tgt Ion: 43 Resp: 259162  
Ion Ratio Lower Upper  
43 100  
72 30.0 14.6 44.0



#23  
Bromochloromethane  
Concen: 46.662 ug/L  
RT: 4.965 min Scan# 1143  
Delta R.T. -0.003 min  
Lab File: VU055754.D  
Acq: 11 Oct 2023 17:48

Tgt Ion:128 Resp: 87068  
Ion Ratio Lower Upper  
128 100  
49 160.0 116.3 216.1  
130 129.8 91.6 170.0  
51 53.6 43.1 64.7





#25

Chloroform

Concen: 46.105 ug/L

RT: 5.081 min Scan# 1180

Delta R.T. -0.003 min

Lab File: VU055754.D

Acq: 11 Oct 2023 17:48

Instrument :

MSVOA\_U

ClientSampleId :

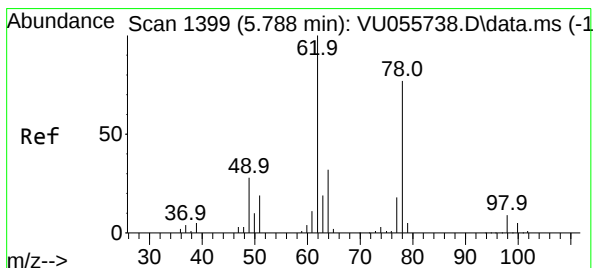
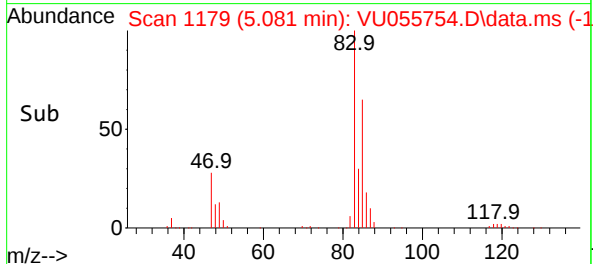
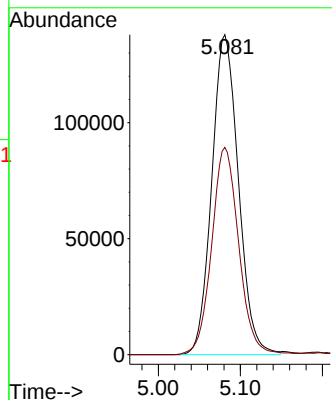
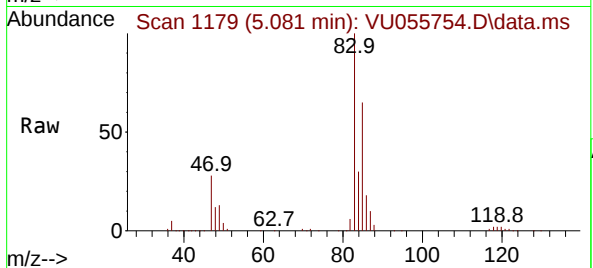
EY1B0MSD

Tgt Ion: 83 Resp: 311804

Ion Ratio Lower Upper

83 100

85 64.8 46.3 86.1



#27

1,2-Dichloroethane

Concen: 47.302 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.000 min

Lab File: VU055754.D

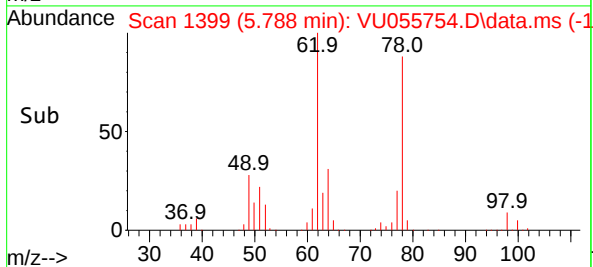
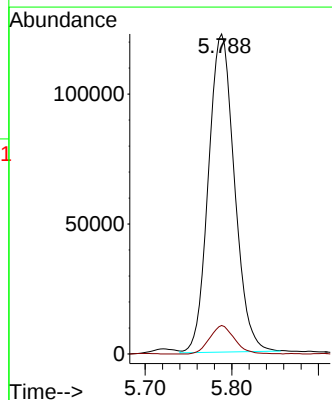
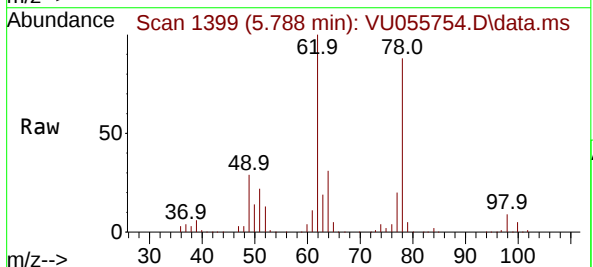
Acq: 11 Oct 2023 17:48

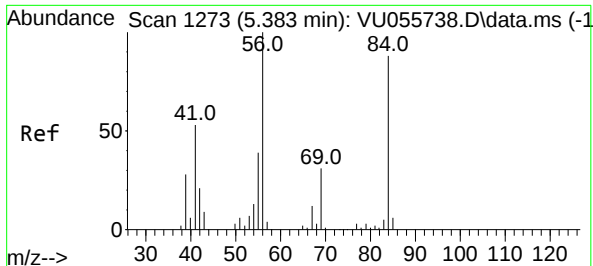
Tgt Ion: 62 Resp: 255855

Ion Ratio Lower Upper

62 100

98 8.9 7.2 10.8





#29

Cyclohexane

Concen: 45.843 ug/L

RT: 5.383 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU055754.D

Acq: 11 Oct 2023 17:48

Instrument :

MSVOA\_U

ClientSampleId :

EY1B0MSD

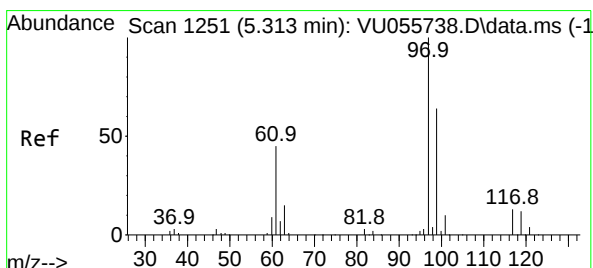
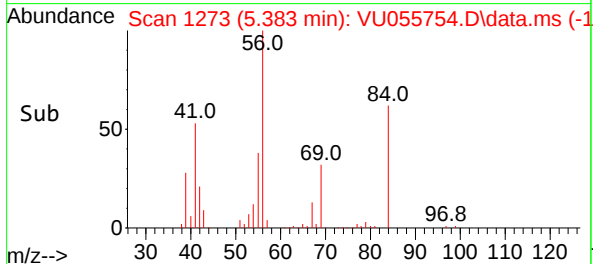
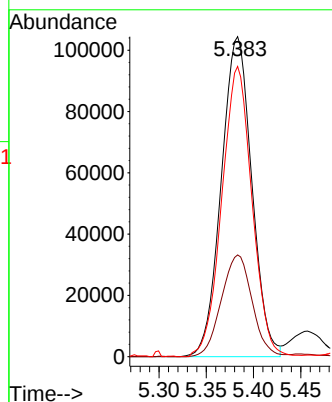
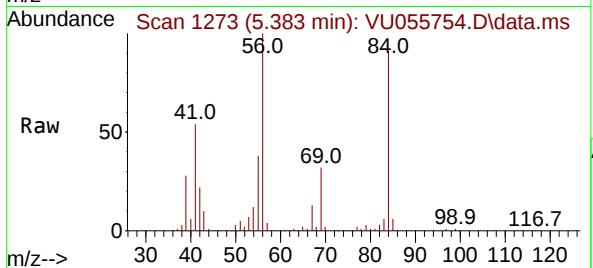
Tgt Ion: 56 Resp: 234606

Ion Ratio Lower Upper

56 100

69 32.1 24.9 37.3

84 89.4 70.7 106.1



#30

1,1,1-Trichloroethane

Concen: 46.361 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. -0.003 min

Lab File: VU055754.D

Acq: 11 Oct 2023 17:48

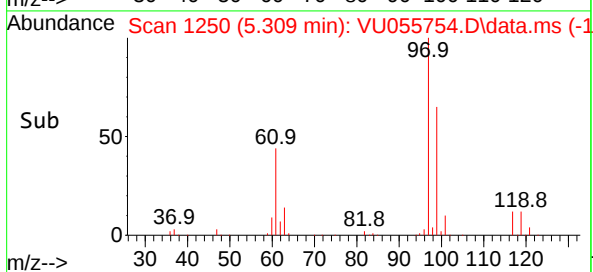
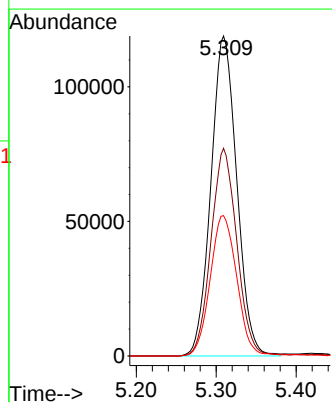
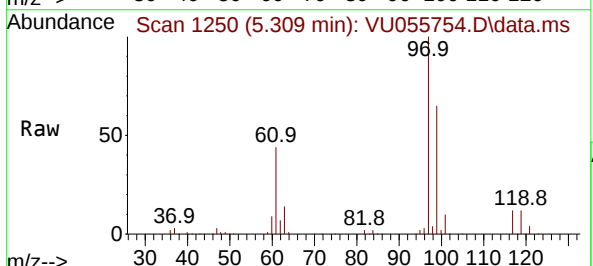
Tgt Ion: 97 Resp: 267424

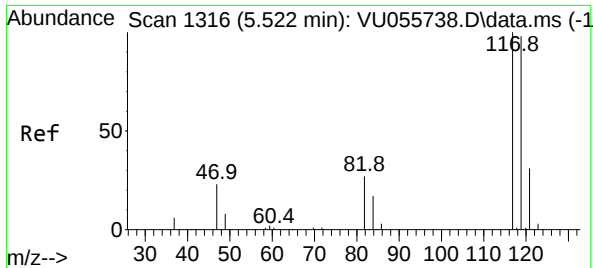
Ion Ratio Lower Upper

97 100

99 64.7 51.6 77.4

61 45.1 36.8 55.2

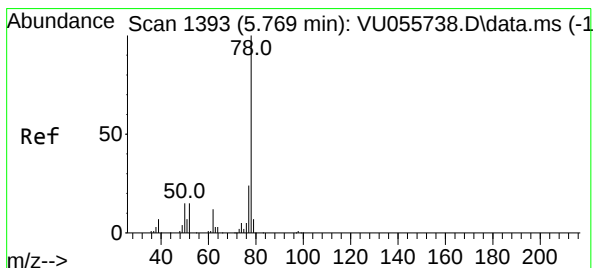
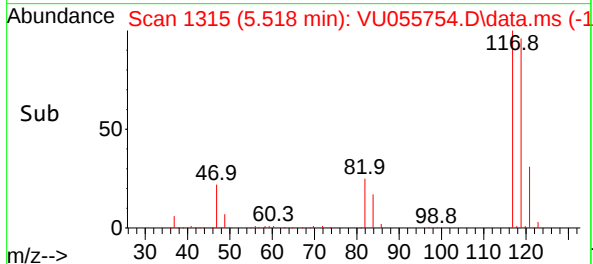
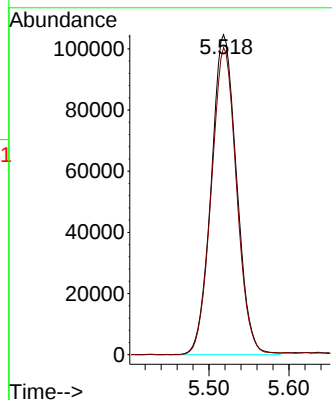
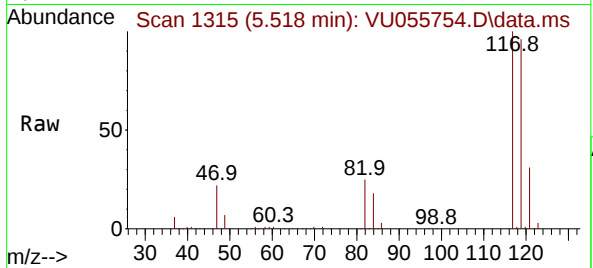




#31  
Carbon tetrachloride  
Concen: 45.774 ug/L  
RT: 5.518 min Scan# 111  
Delta R.T. -0.003 min  
Lab File: VU055754.D  
Acq: 11 Oct 2023 17:48

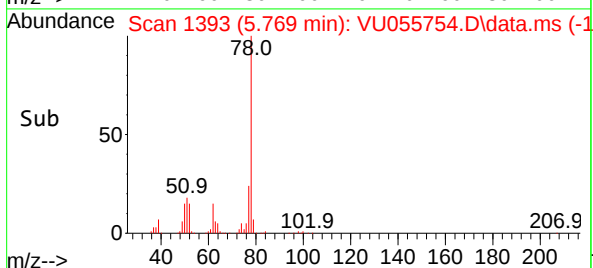
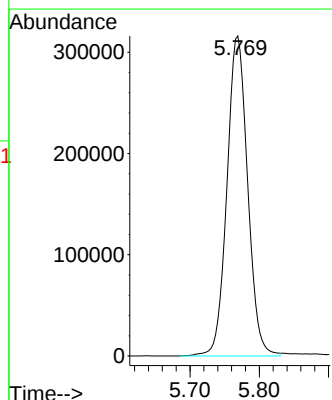
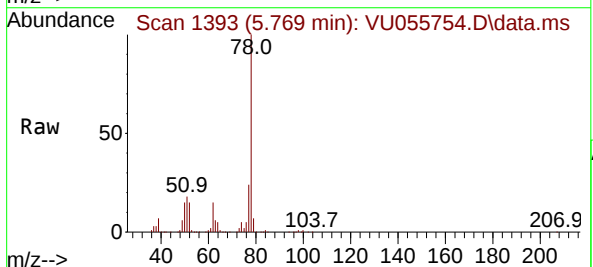
Instrument :  
MSVOA\_U  
ClientSampleId :  
EY1B0MSD

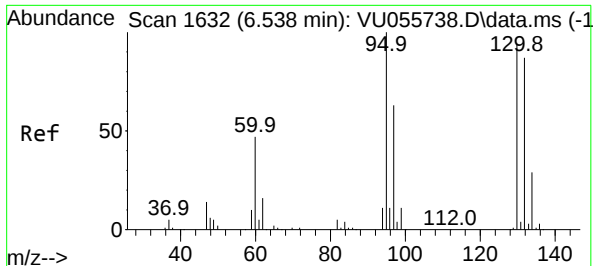
Tgt Ion:117 Resp: 231111  
Ion Ratio Lower Upper  
117 100  
119 94.8 75.4 113.0



#33  
Benzene  
Concen: 46.506 ug/L  
RT: 5.769 min Scan# 1393  
Delta R.T. -0.000 min  
Lab File: VU055754.D  
Acq: 11 Oct 2023 17:48

Tgt Ion: 78 Resp: 656353





#34

Trichloroethene

Concen: 44.022 ug/L

RT: 6.537 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU055754.D

Acq: 11 Oct 2023 17:48

Instrument :

MSVOA\_U

ClientSampleId :

EY1B0MSD

Tgt Ion: 95 Resp: 169998

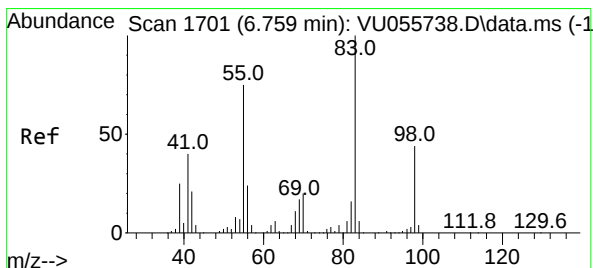
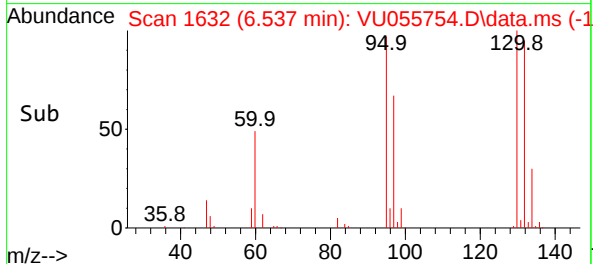
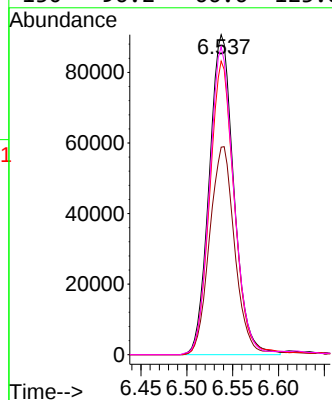
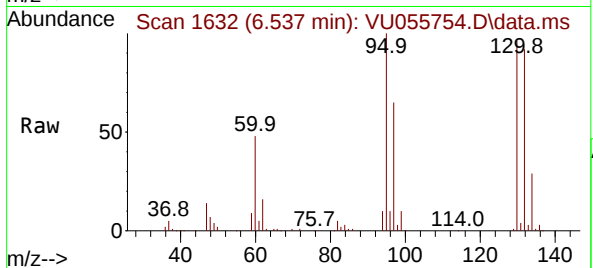
Ion Ratio Lower Upper

95 100

97 64.8 44.4 82.5

132 91.7 61.8 114.8

130 96.2 66.6 123.8



#35

Methylcyclohexane

Concen: 44.294 ug/L

RT: 6.759 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VU055754.D

Acq: 11 Oct 2023 17:48

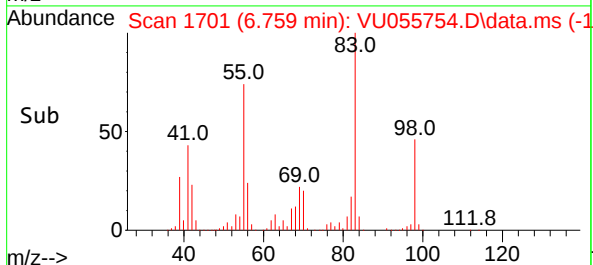
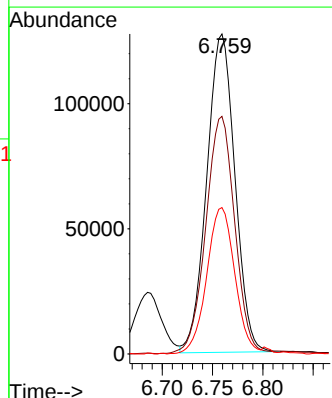
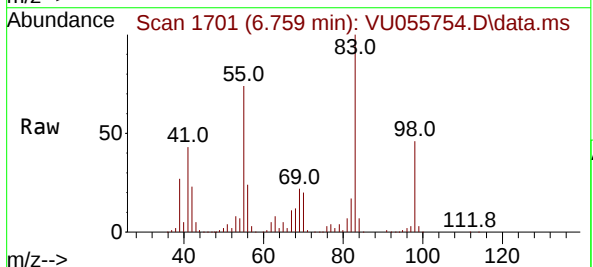
Tgt Ion: 83 Resp: 248173

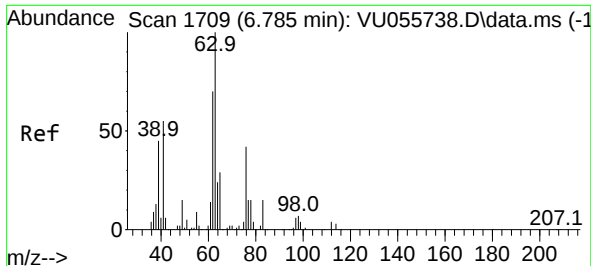
Ion Ratio Lower Upper

83 100

55 76.4 61.2 91.8

98 45.8 35.8 53.6





#37

1,2-Dichloropropane

Concen: 45.265 ug/L

RT: 6.785 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU055754.D

Acq: 11 Oct 2023 17:48

Instrument :

MSVOA\_U

ClientSampleId :

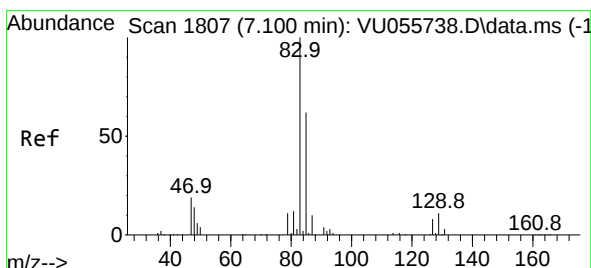
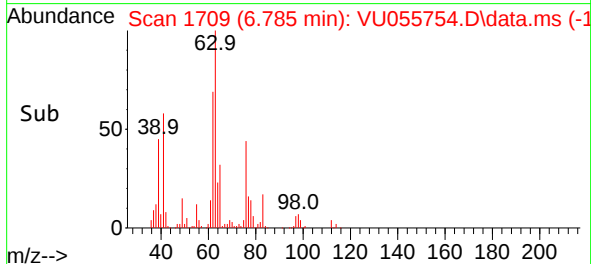
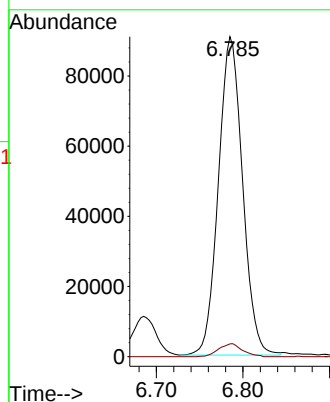
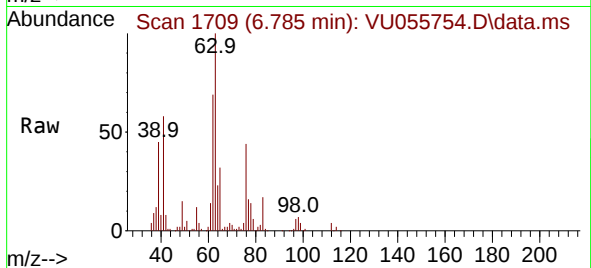
EY1B0MSD

Tgt Ion: 63 Resp: 175915

Ion Ratio Lower Upper

63 100

112 4.0 3.0 4.4



#38

Bromodichloromethane

Concen: 45.732 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VU055754.D

Acq: 11 Oct 2023 17:48

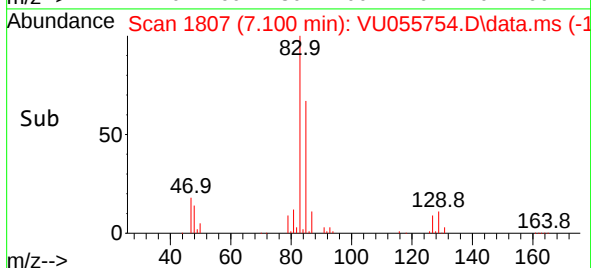
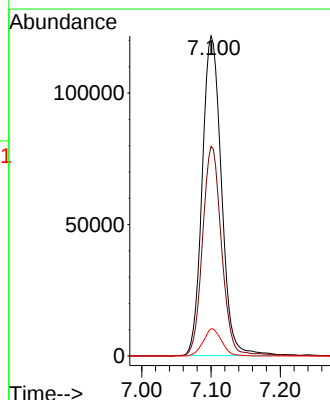
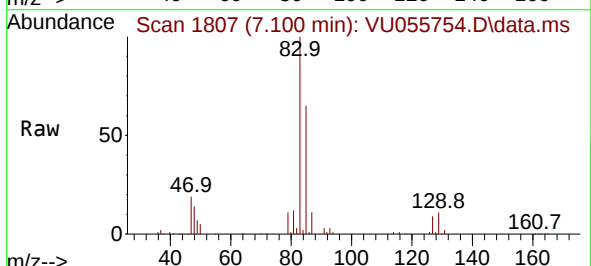
Tgt Ion: 83 Resp: 234380

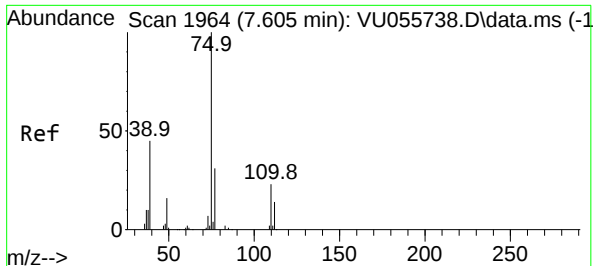
Ion Ratio Lower Upper

83 100

85 65.5 46.0 85.4

127 8.5 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 45.660 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. -0.003 min

Lab File: VU055754.D

Acq: 11 Oct 2023 17:48

Instrument :

MSVOA\_U

ClientSampleId :

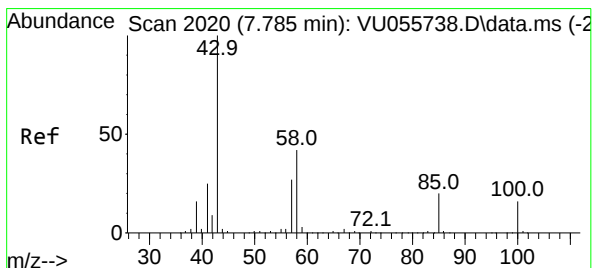
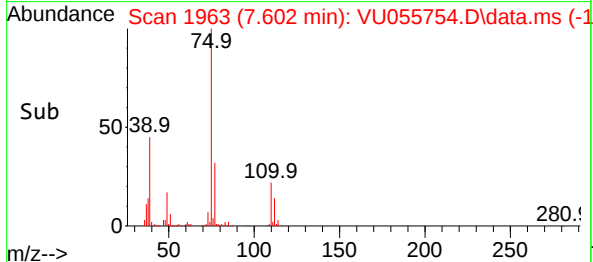
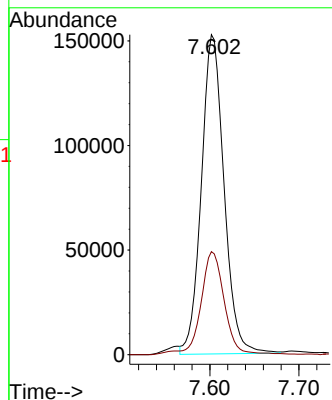
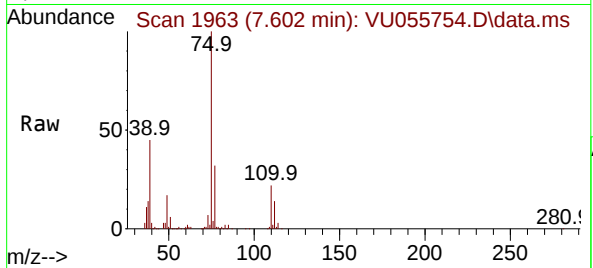
EY1B0MSD

Tgt Ion: 75 Resp: 269967

Ion Ratio Lower Upper

75 100

77 32.2 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 102.322 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. 0.003 min

Lab File: VU055754.D

Acq: 11 Oct 2023 17:48

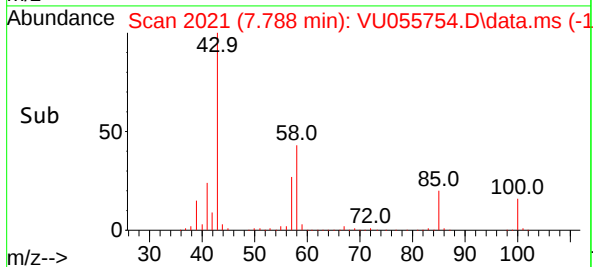
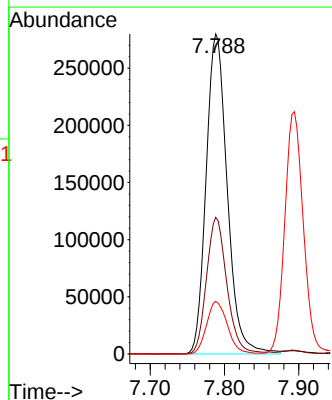
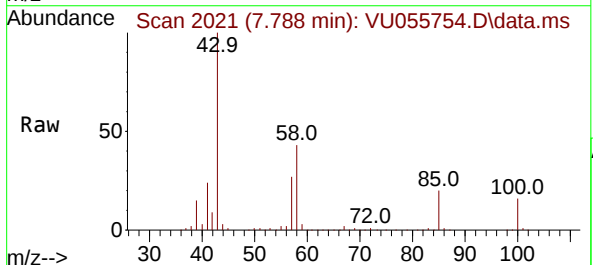
Tgt Ion: 43 Resp: 553211

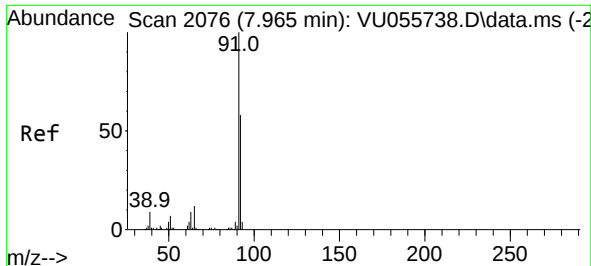
Ion Ratio Lower Upper

43 100

58 41.1 32.3 48.5

100 16.2 12.0 18.0





#42

Toluene

Concen: 46.861 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU055754.D

Acq: 11 Oct 2023 17:48

Instrument :

MSVOA\_U

ClientSampleId :

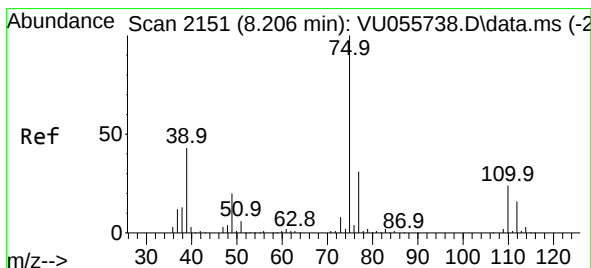
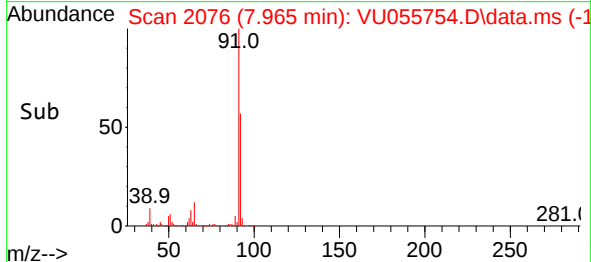
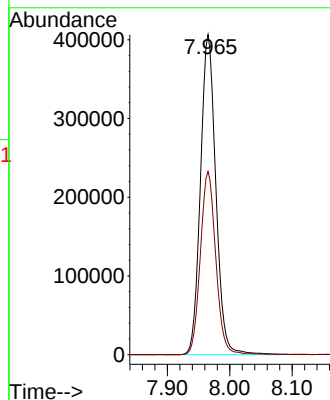
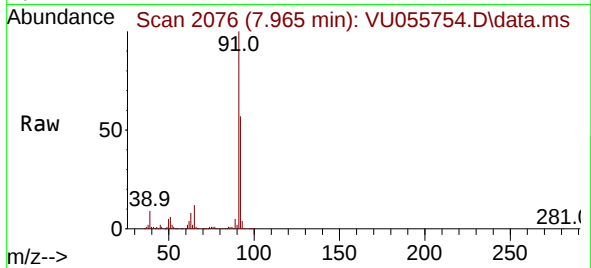
EY1B0MSD

Tgt Ion: 91 Resp: 697867

Ion Ratio Lower Upper

91 100

92 57.2 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 46.976 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU055754.D

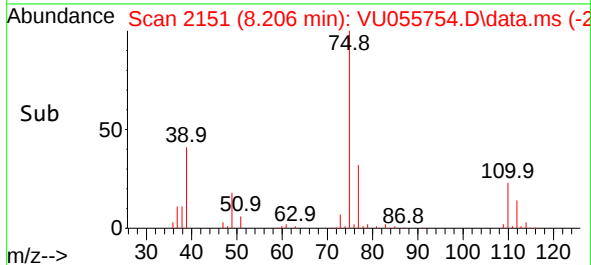
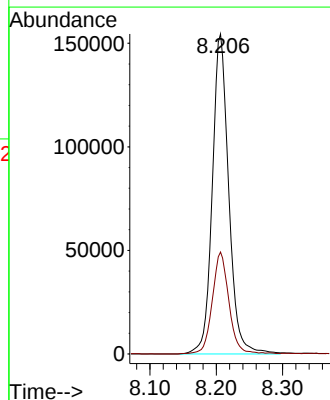
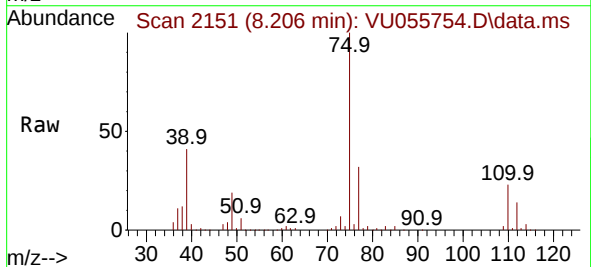
Acq: 11 Oct 2023 17:48

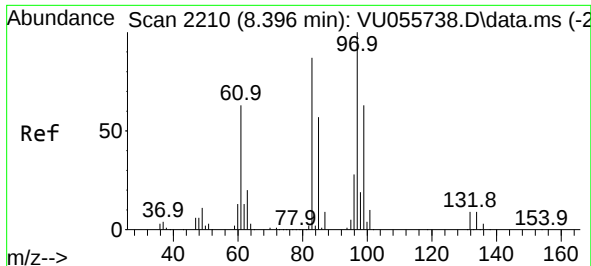
Tgt Ion: 75 Resp: 265747

Ion Ratio Lower Upper

75 100

77 31.9 21.6 40.2



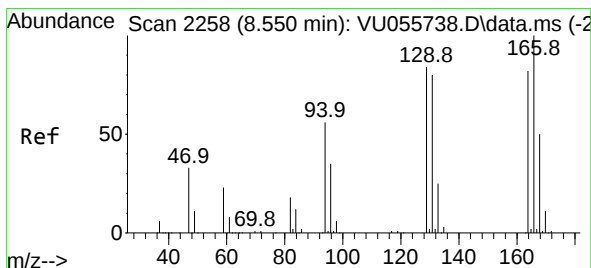
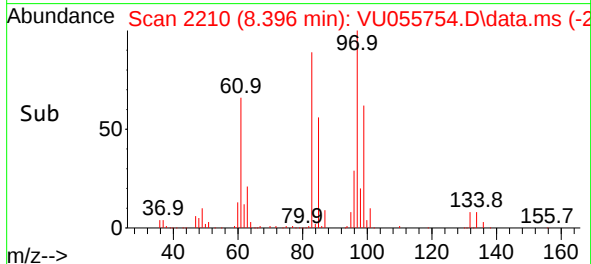
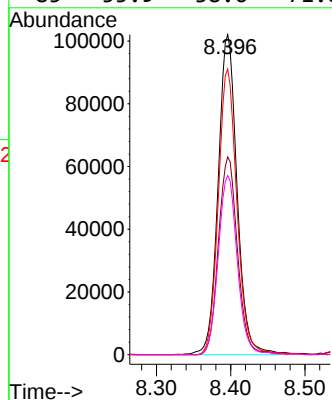
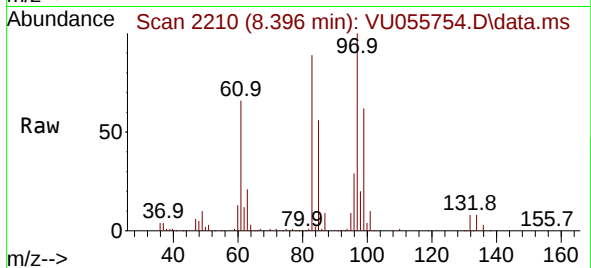


#45  
1,1,2-Trichloroethane  
Concen: 47.299 ug/L  
RT: 8.396 min Scan# 2110  
Delta R.T. -0.000 min  
Lab File: VU055754.D  
Acq: 11 Oct 2023 17:48

Instrument :  
MSVOA\_U  
ClientSampleId :  
EY1B0MSD

Tgt Ion: 97 Resp: 181257

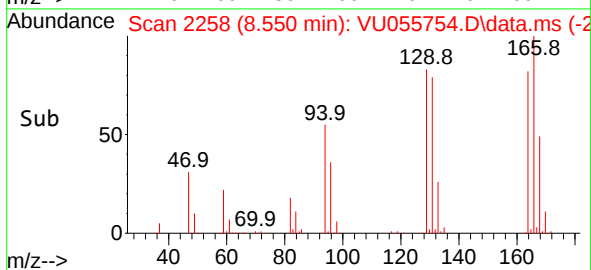
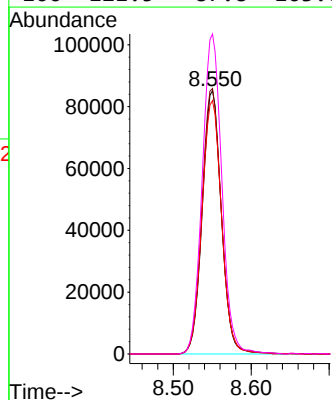
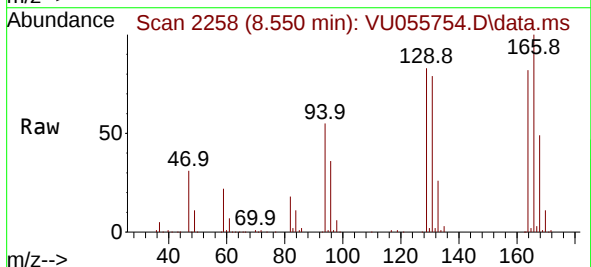
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 61.8  | 44.4  | 82.5  |
| 83  | 89.3  | 60.4  | 112.2 |
| 85  | 55.9  | 38.6  | 71.8  |

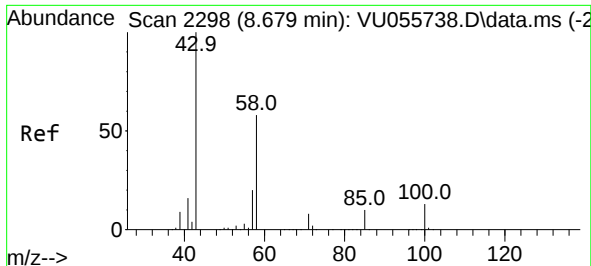


#46  
Tetrachloroethene  
Concen: 52.364 ug/L  
RT: 8.550 min Scan# 2258  
Delta R.T. -0.000 min  
Lab File: VU055754.D  
Acq: 11 Oct 2023 17:48

Tgt Ion: 164 Resp: 144779

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 100.8 | 70.7  | 131.3 |
| 131 | 96.2  | 65.9  | 122.5 |
| 166 | 121.5 | 87.8  | 163.0 |

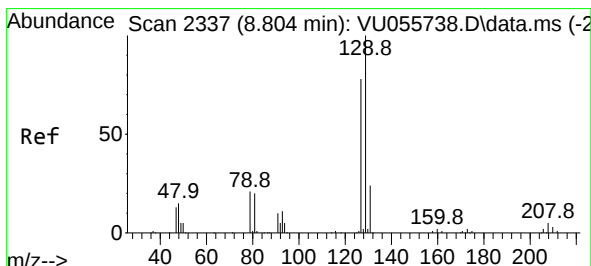
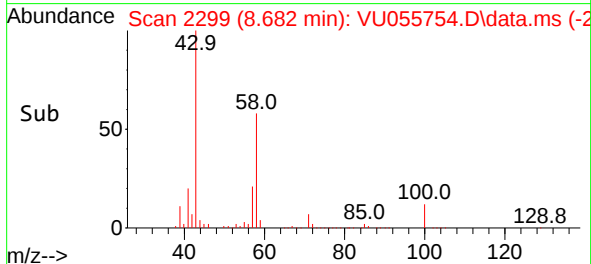
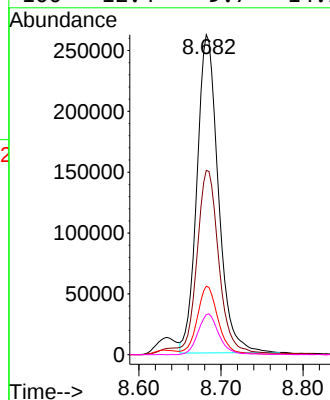
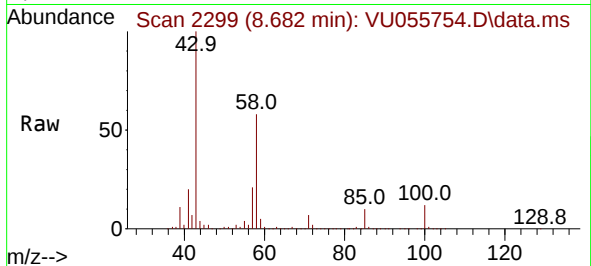




#48  
2-Hexanone  
Concen: 103.934 ug/L  
RT: 8.682 min Scan# 2299  
Delta R.T. 0.003 min  
Lab File: VU055754.D  
Acq: 11 Oct 2023 17:48

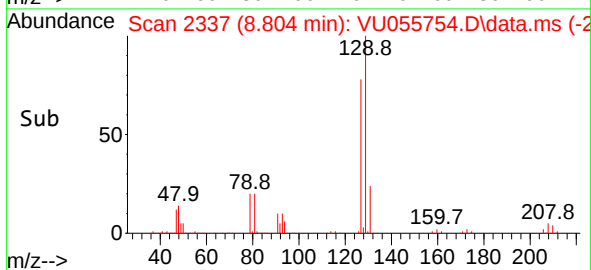
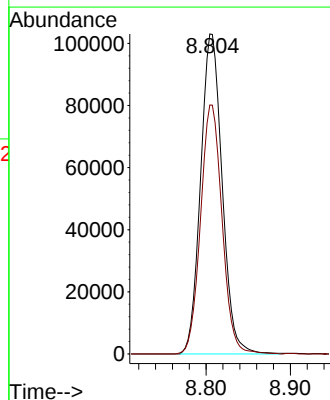
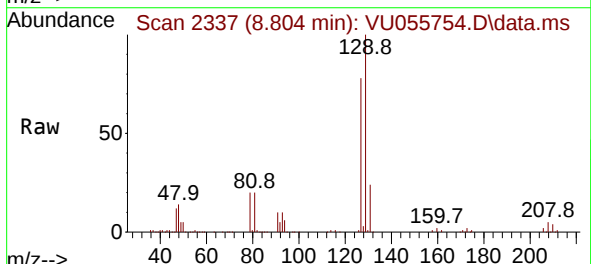
Instrument :  
MSVOA\_U  
ClientSampleId :  
EY1B0MSD

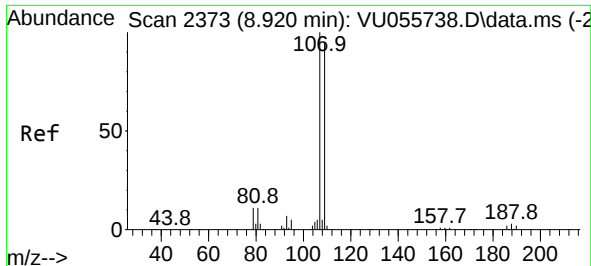
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 474644 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 61.4  | 45.2  | 67.8   |
| 57       | 20.9  | 16.1  | 24.1   |
| 100      | 12.4  | 9.7   | 14.5   |



#49  
Dibromochloromethane  
Concen: 46.819 ug/L  
RT: 8.804 min Scan# 2337  
Delta R.T. -0.000 min  
Lab File: VU055754.D  
Acq: 11 Oct 2023 17:48

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 129   | Resp: | 183323 |
| Ion      | Ratio | Lower | Upper  |
| 129      | 100   |       |        |
| 127      | 77.8  | 54.0  | 100.4  |

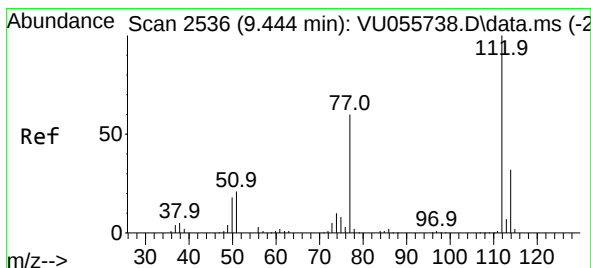
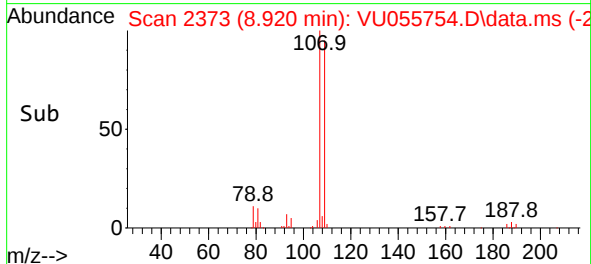
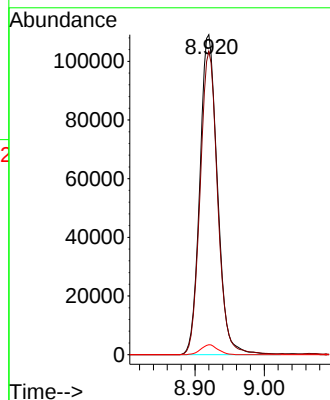
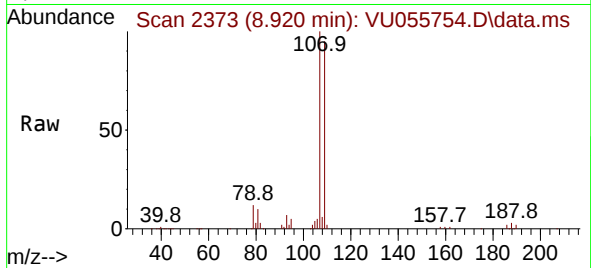




#50  
1,2-Dibromoethane  
Concen: 46.845 ug/L  
RT: 8.920 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU055754.D  
Acq: 11 Oct 2023 17:48

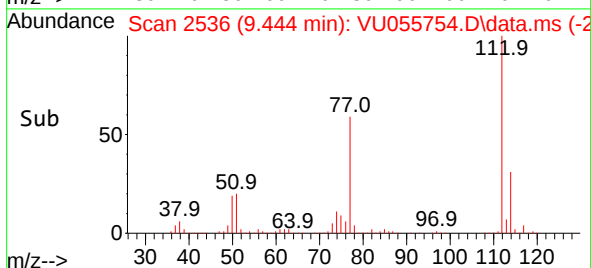
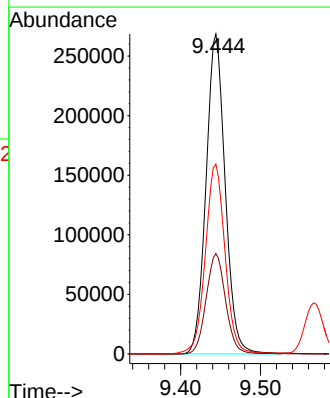
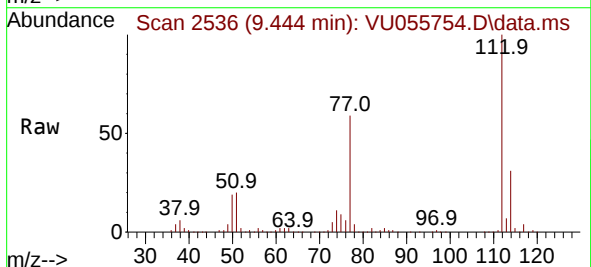
Instrument :  
MSVOA\_U  
ClientSampleId :  
EY1B0MSD

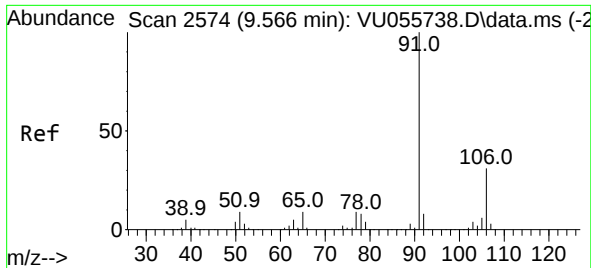
Tgt Ion:107 Resp: 192818  
Ion Ratio Lower Upper  
107 100  
109 94.8 66.7 123.9  
188 3.2 2.6 4.0



#51  
Chlorobenzene  
Concen: 46.443 ug/L  
RT: 9.444 min Scan# 2536  
Delta R.T. -0.000 min  
Lab File: VU055754.D  
Acq: 11 Oct 2023 17:48

Tgt Ion:112 Resp: 447496  
Ion Ratio Lower Upper  
112 100  
114 31.4 22.0 40.8  
77 59.3 49.0 73.6

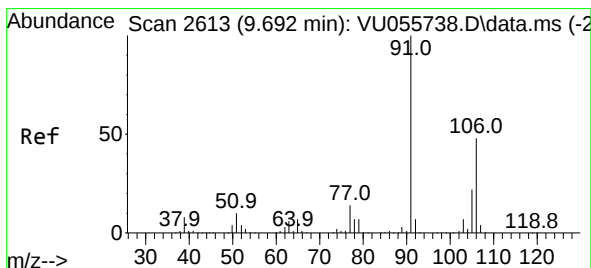
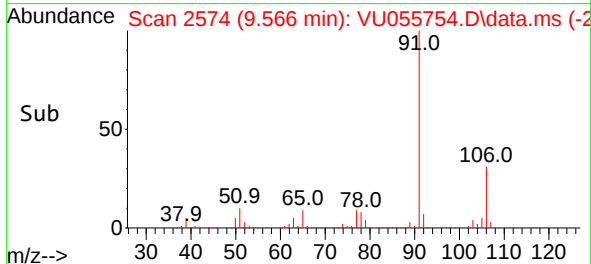
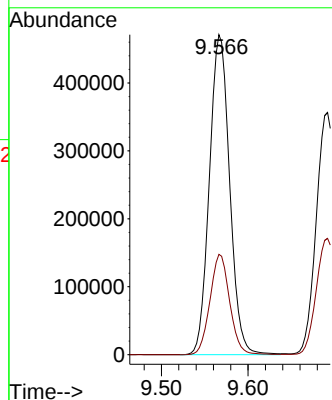
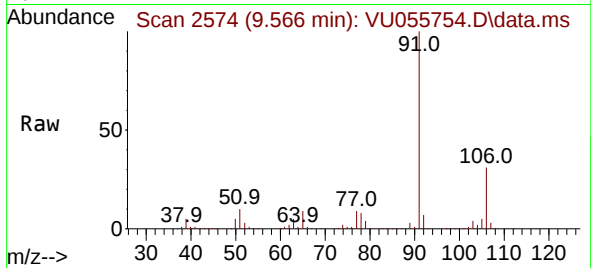




#52  
Ethylbenzene  
Concen: 47.036 ug/L  
RT: 9.566 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU055754.D  
Acq: 11 Oct 2023 17:48

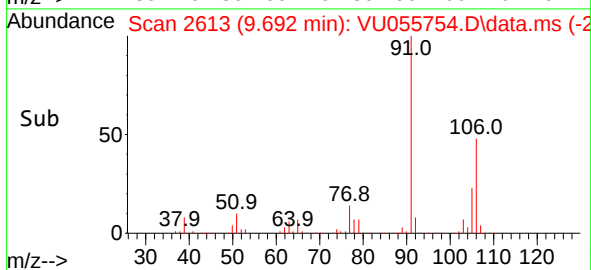
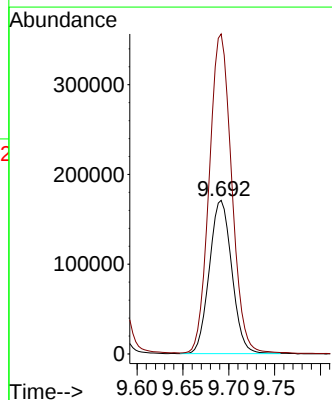
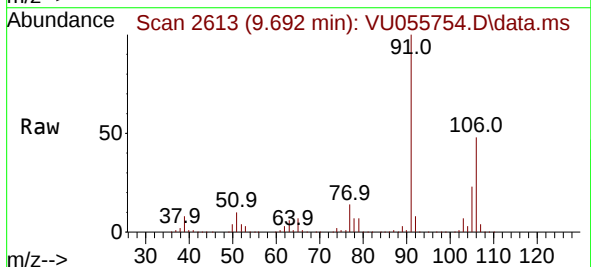
Instrument :  
MSVOA\_U  
ClientSampleId :  
EY1B0MSD

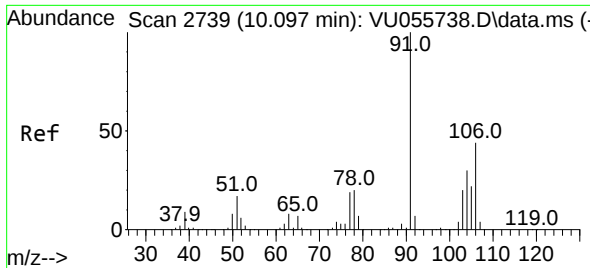
Tgt Ion: 91 Resp: 765816  
Ion Ratio Lower Upper  
91 100  
106 31.4 21.2 39.4



#53  
m,p-Xylene  
Concen: 47.645 ug/L  
RT: 9.692 min Scan# 2613  
Delta R.T. -0.000 min  
Lab File: VU055754.D  
Acq: 11 Oct 2023 17:48

Tgt Ion: 106 Resp: 290620  
Ion Ratio Lower Upper  
106 100  
91 208.3 143.8 267.0

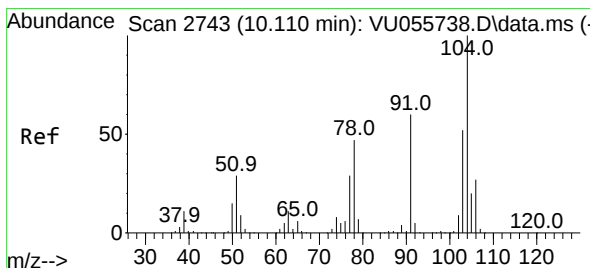
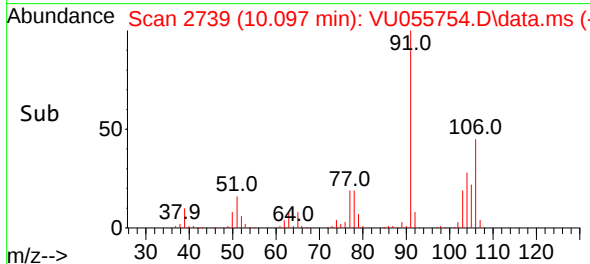
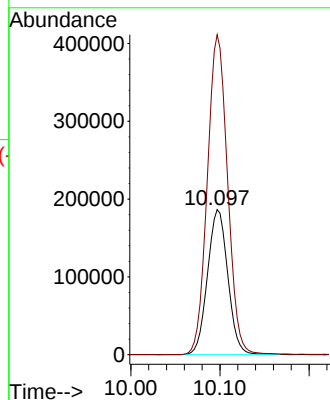
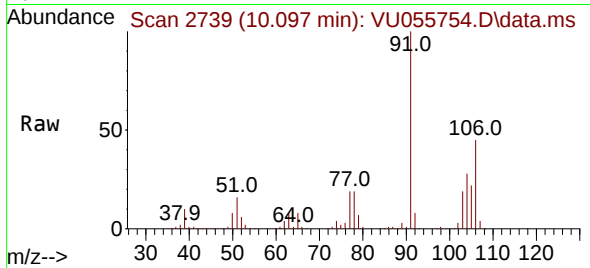




#54  
o-Xylene  
Concen: 49.956 ug/L  
RT: 10.097 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU055754.D  
Acq: 11 Oct 2023 17:48

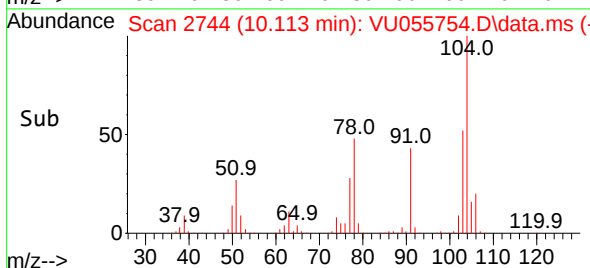
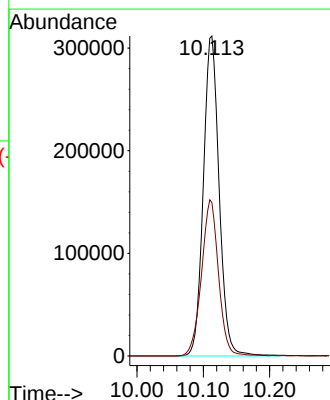
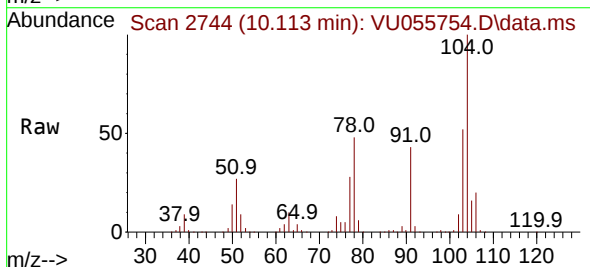
Instrument :  
MSVOA\_U  
ClientSampleId :  
EY1B0MSD

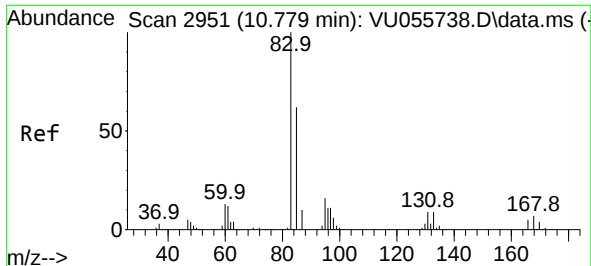
Tgt Ion:106 Resp: 294870  
Ion Ratio Lower Upper  
106 100  
91 220.4 151.8 282.0



#55  
Styrene  
Concen: 51.794 ug/L  
RT: 10.113 min Scan# 2744  
Delta R.T. 0.003 min  
Lab File: VU055754.D  
Acq: 11 Oct 2023 17:48

Tgt Ion:104 Resp: 517903  
Ion Ratio Lower Upper  
104 100  
78 47.9 33.6 62.4





#57

1,1,2,2-Tetrachloroethane

Concen: 54.291 ug/L

RT: 10.778 min Scan# 2951

Delta R.T. -0.000 min

Lab File: VU055754.D

Acq: 11 Oct 2023 17:48

Instrument :

MSVOA\_U

ClientSampleId :

EY1B0MSD

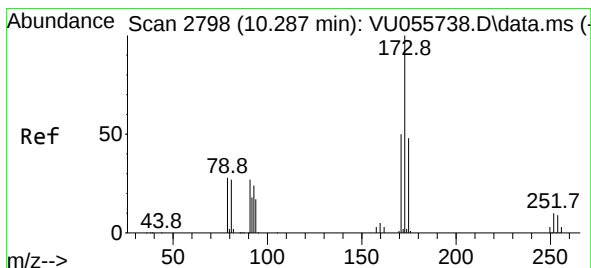
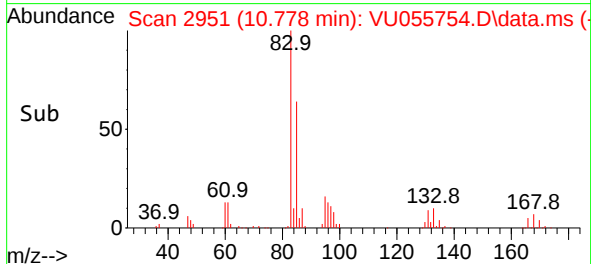
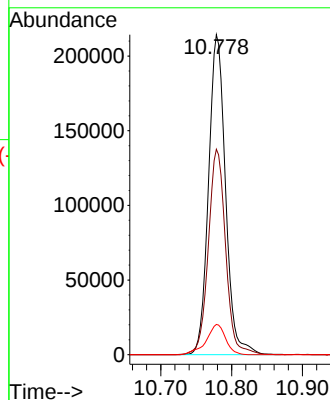
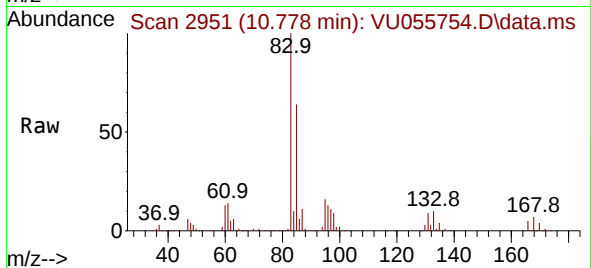
Tgt Ion: 83 Resp: 356238

Ion Ratio Lower Upper

83 100

85 64.2 44.9 83.5

131 9.5 7.3 10.9



#59

Bromoform

Concen: 48.512 ug/L

RT: 10.287 min Scan# 2798

Delta R.T. -0.000 min

Lab File: VU055754.D

Acq: 11 Oct 2023 17:48

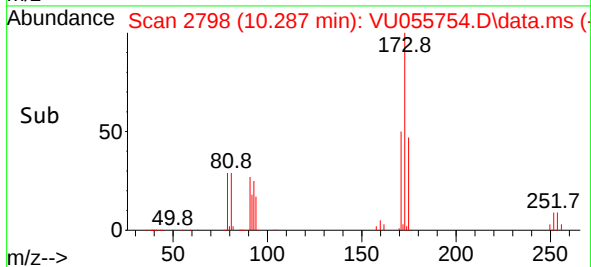
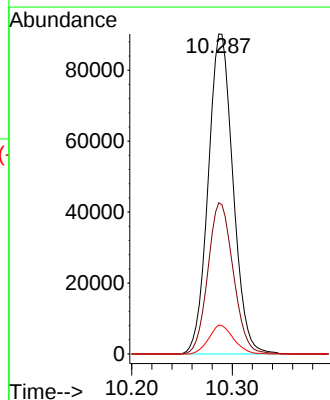
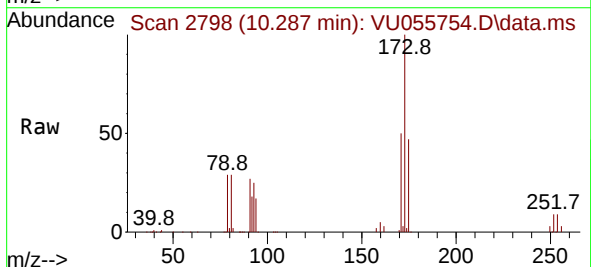
Tgt Ion:173 Resp: 154883

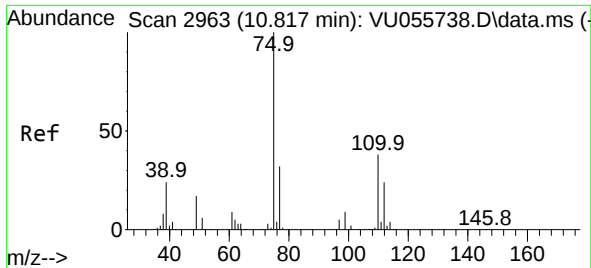
Ion Ratio Lower Upper

173 100

175 48.2 40.4 60.6

254 8.9 7.3 10.9

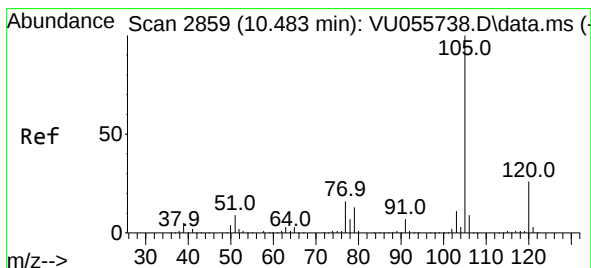
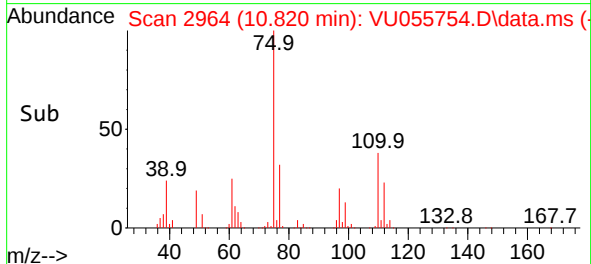
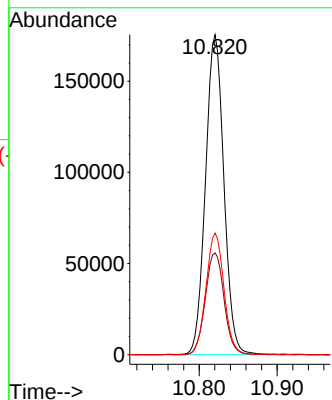
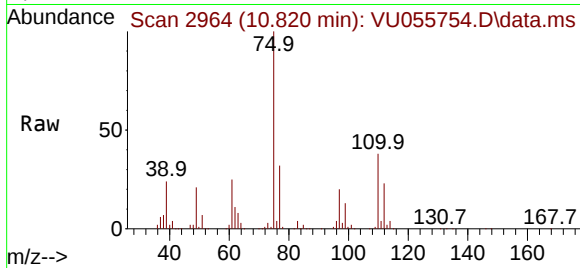




#60  
1,2,3-Trichloropropane  
Concen: 51.138 ug/L  
RT: 10.820 min Scan# 2964  
Delta R.T. 0.003 min  
Lab File: VU055754.D  
Acq: 11 Oct 2023 17:48

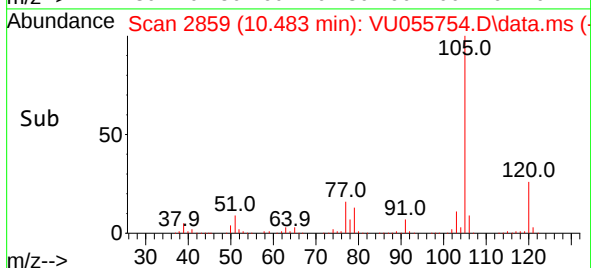
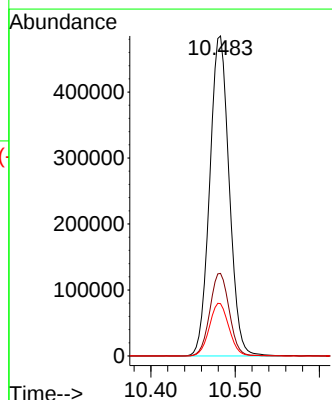
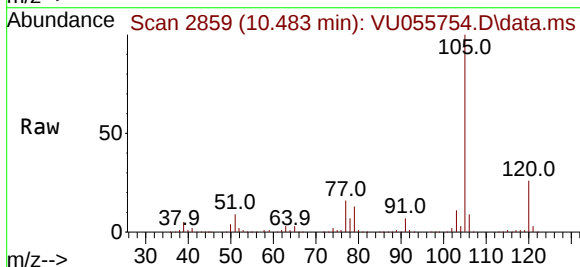
Instrument :  
MSVOA\_U  
ClientSampleId :  
EY1B0MSD

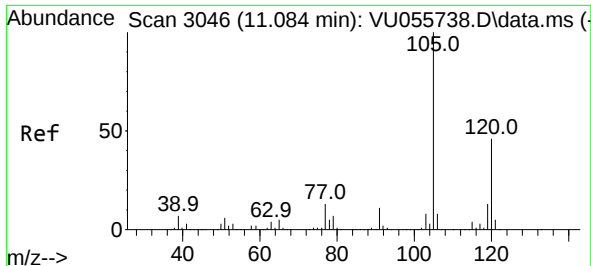
Tgt Ion: 75 Resp: 287837  
Ion Ratio Lower Upper  
75 100  
77 32.6 25.8 38.8  
110 37.3 28.5 42.7



#61  
Isopropylbenzene  
Concen: 48.154 ug/L  
RT: 10.483 min Scan# 2859  
Delta R.T. -0.000 min  
Lab File: VU055754.D  
Acq: 11 Oct 2023 17:48

Tgt Ion: 105 Resp: 778558  
Ion Ratio Lower Upper  
105 100  
120 25.7 20.6 30.8  
77 16.6 13.4 20.0





#62

1,3,5-Trimethylbenzene

Concen: 50.930 ug/L

RT: 11.087 min Scan# 3046

Delta R.T. 0.003 min

Lab File: VU055754.D

Acq: 11 Oct 2023 17:48

Instrument :

MSVOA\_U

ClientSampleId :

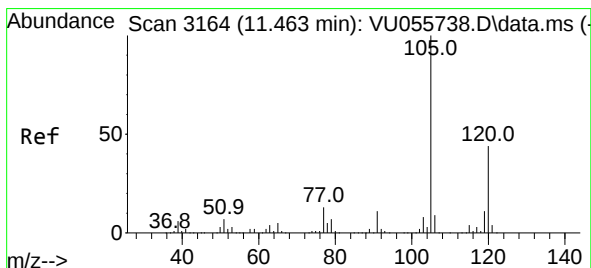
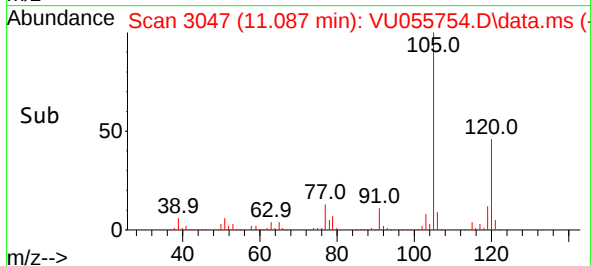
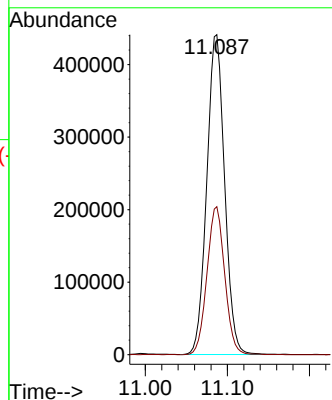
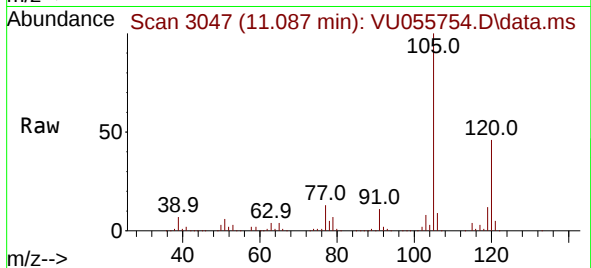
EY1B0MSD

Tgt Ion:105 Resp: 666299

Ion Ratio Lower Upper

105 100

120 46.1 37.7 56.5



#63

1,2,4-Trimethylbenzene

Concen: 51.175 ug/L

RT: 11.467 min Scan# 3165

Delta R.T. 0.003 min

Lab File: VU055754.D

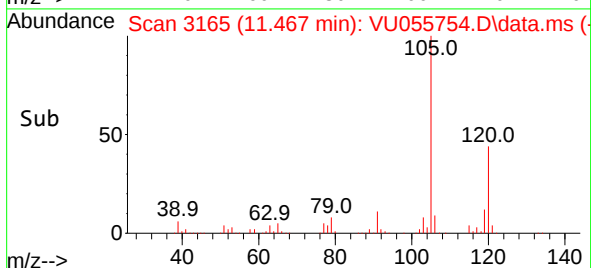
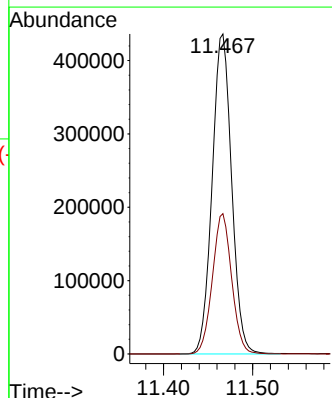
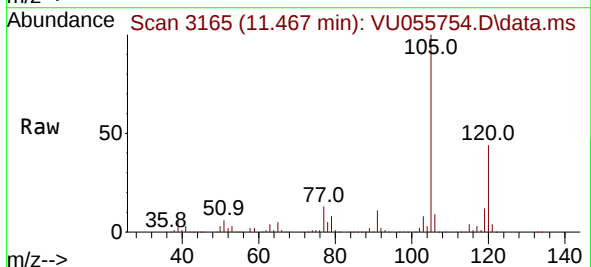
Acq: 11 Oct 2023 17:48

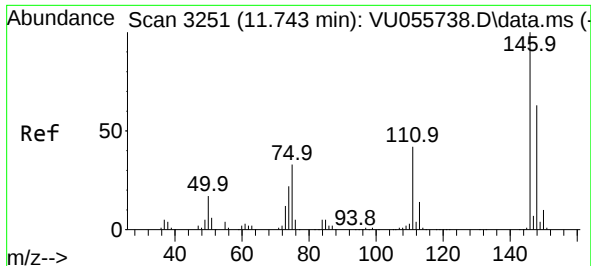
Tgt Ion:105 Resp: 662027

Ion Ratio Lower Upper

105 100

120 43.4 35.0 52.4

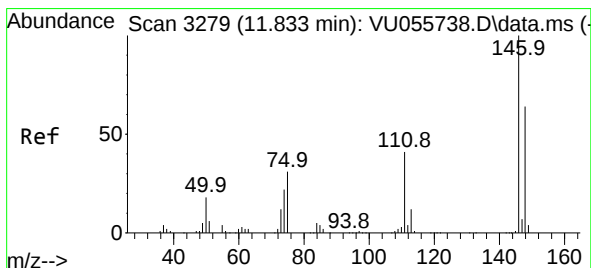
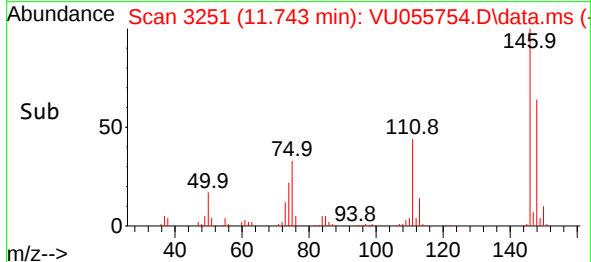
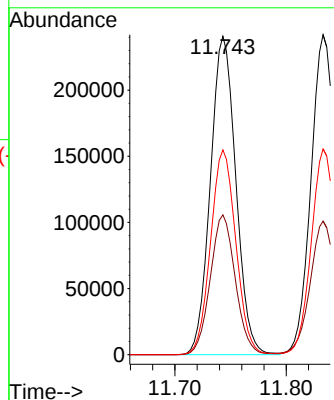
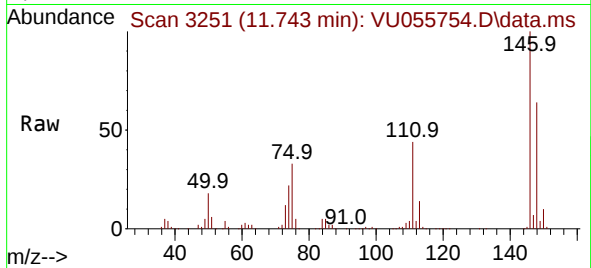




#64  
1,3-Dichlorobenzene  
Concen: 47.811 ug/L  
RT: 11.743 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VU055754.D  
Acq: 11 Oct 2023 17:48

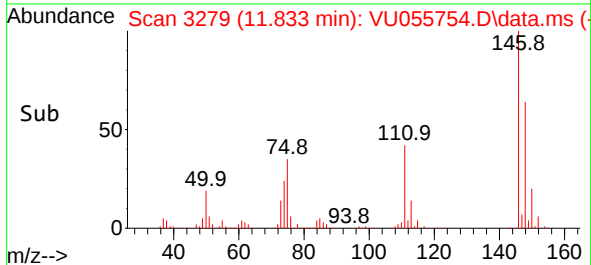
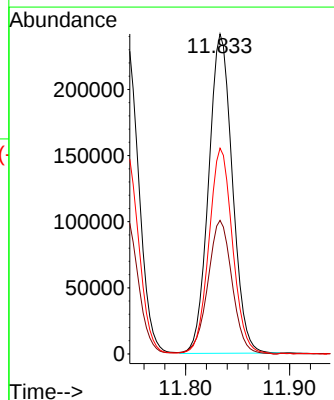
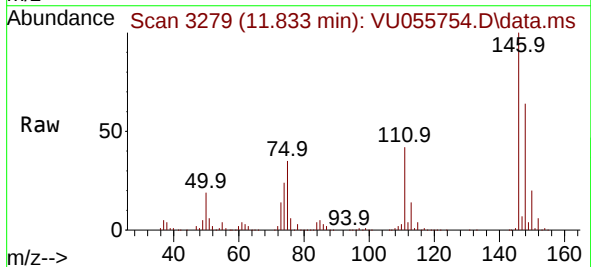
Instrument :  
MSVOA\_U  
ClientSampleId :  
EY1B0MSD

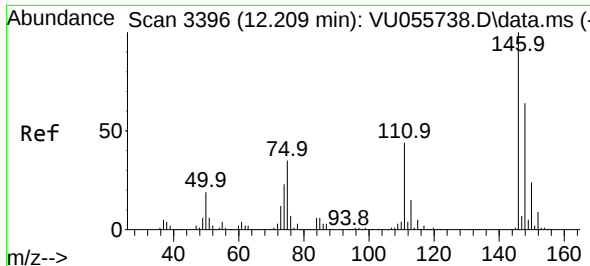
Tgt Ion:146 Resp: 382134  
Ion Ratio Lower Upper  
146 100  
111 43.9 29.7 55.1  
148 64.3 45.0 83.6



#65  
1,4-Dichlorobenzene  
Concen: 46.589 ug/L  
RT: 11.833 min Scan# 3279  
Delta R.T. -0.000 min  
Lab File: VU055754.D  
Acq: 11 Oct 2023 17:48

Tgt Ion:146 Resp: 382843  
Ion Ratio Lower Upper  
146 100  
111 41.8 28.6 53.0  
148 64.3 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 49.307 ug/L

RT: 12.209 min Scan# 3396

Delta R.T. -0.000 min

Lab File: VU055754.D

Acq: 11 Oct 2023 17:48

Instrument :

MSVOA\_U

ClientSampleId :

EY1B0MSD

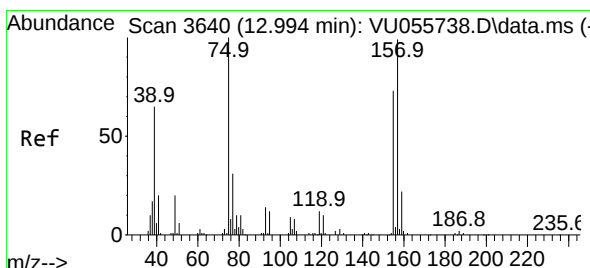
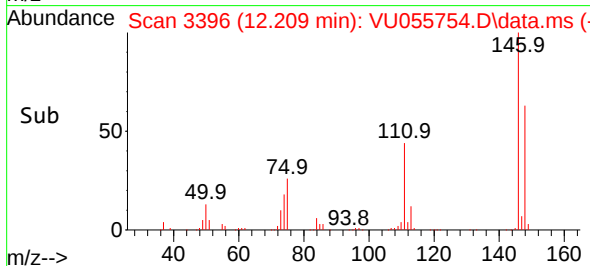
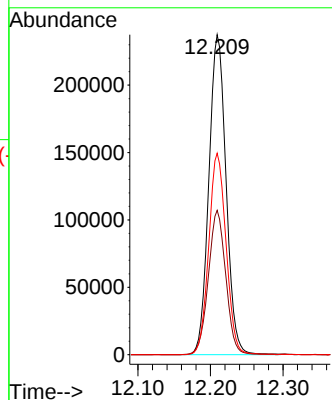
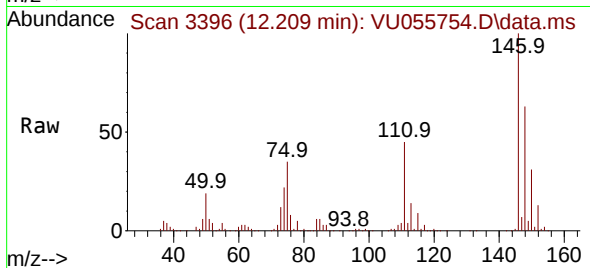
Tgt Ion:146 Resp: 391088

Ion Ratio Lower Upper

146 100

111 45.1 35.2 52.8

148 63.0 52.3 78.5



#68

1,2-Dibromo-3-chloropropane

Concen: 47.046 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. -0.000 min

Lab File: VU055754.D

Acq: 11 Oct 2023 17:48

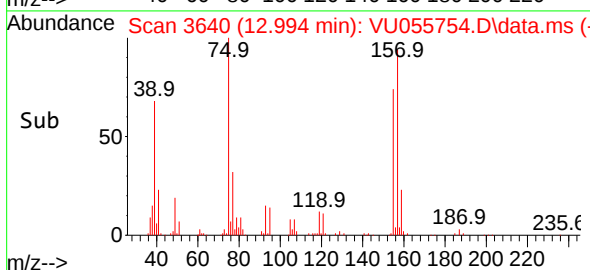
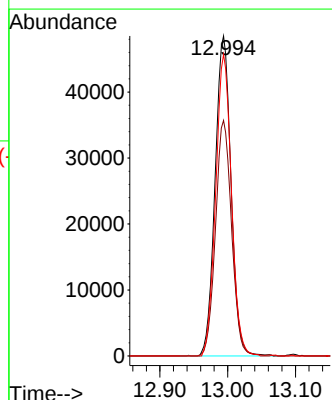
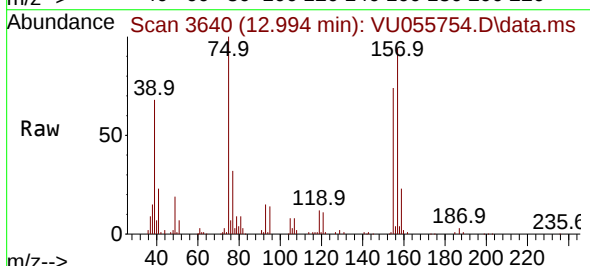
Tgt Ion: 75 Resp: 79167

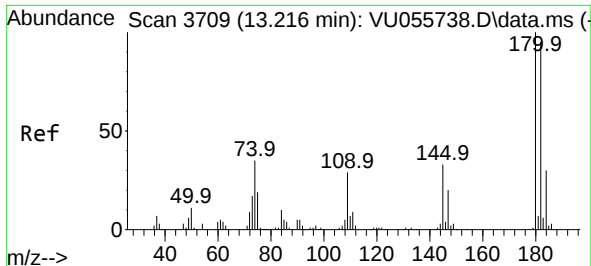
Ion Ratio Lower Upper

75 100

155 73.6 59.6 89.4

157 98.2 77.7 116.5





#69

1,3,5-Trichlorobenzene

Concen: 43.581 ug/L

RT: 13.216 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU055754.D

Acq: 11 Oct 2023 17:48

Instrument :

MSVOA\_U

ClientSampleId :

EY1B0MSD

Tgt Ion:180 Resp: 232341

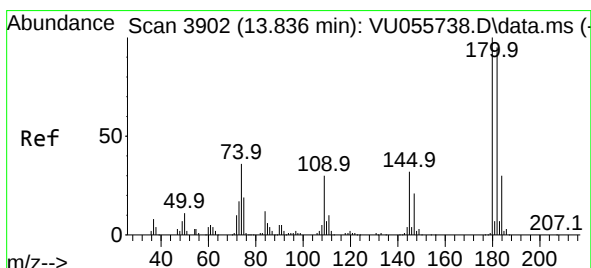
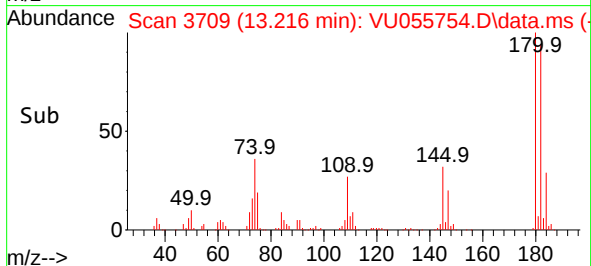
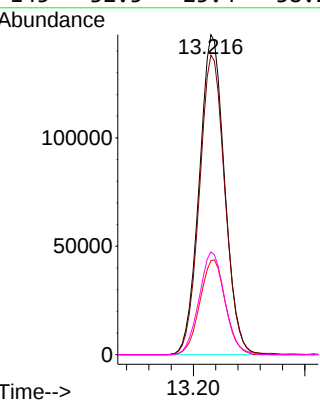
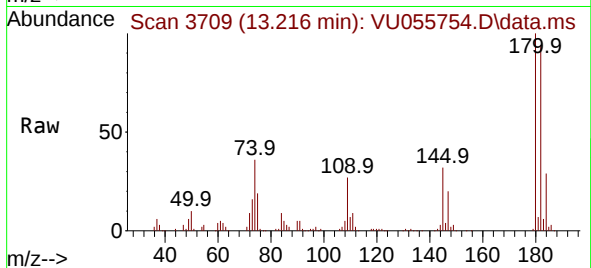
Ion Ratio Lower Upper

180 100

182 94.1 76.2 114.2

184 30.0 23.9 35.9

145 32.5 25.4 38.2



#70

1,2,4-trichlorobenzene

Concen: 41.945 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. -0.000 min

Lab File: VU055754.D

Acq: 11 Oct 2023 17:48

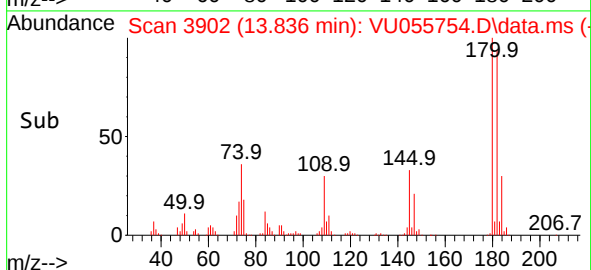
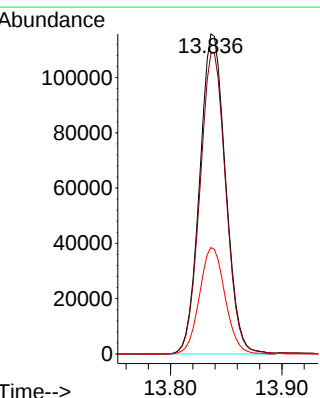
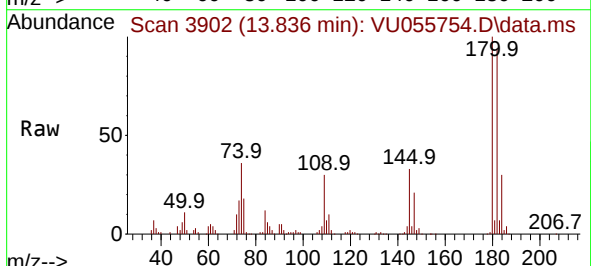
Tgt Ion:180 Resp: 186266

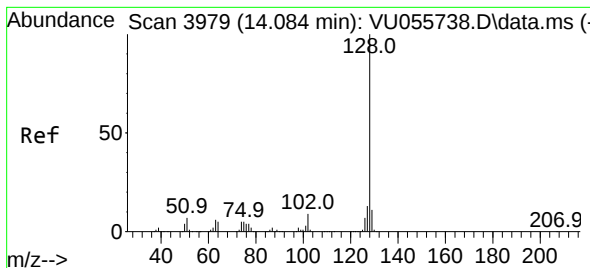
Ion Ratio Lower Upper

180 100

182 94.5 75.4 113.2

145 32.9 26.1 39.1





#71

Naphthalene

Concen: 48.481 ug/L

RT: 14.084 min Scan# 3979

Delta R.T. -0.000 min

Lab File: VU055754.D

Acq: 11 Oct 2023 17:48

Instrument :

MSVOA\_U

ClientSampleId :

EY1B0MSD

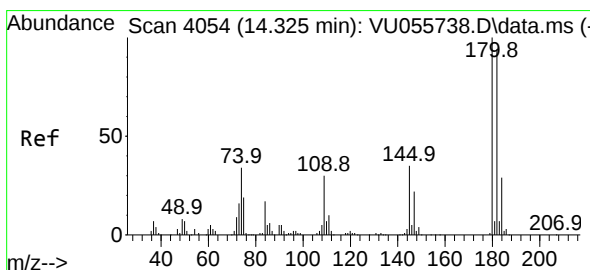
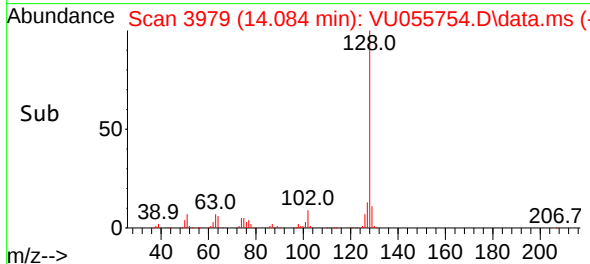
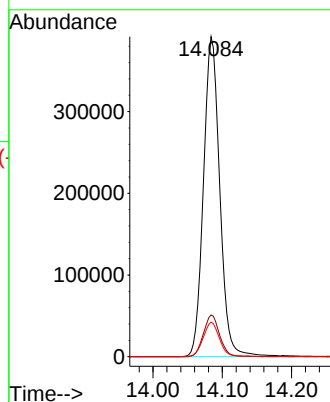
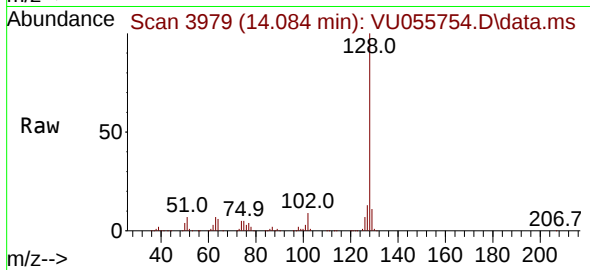
Tgt Ion:128 Resp: 639526

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

129 10.7 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 43.761 ug/L

RT: 14.328 min Scan# 4055

Delta R.T. 0.003 min

Lab File: VU055754.D

Acq: 11 Oct 2023 17:48

Tgt Ion:180 Resp: 191597

Ion Ratio Lower Upper

180 100

182 95.2 78.1 117.1

145 36.3 27.4 41.0

