

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU101123\  
 Data File : VU055753.D  
 Acq On : 11 Oct 2023 17:24  
 Operator : MD/SY  
 Sample : 04792-02MS  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Oct 12 01:58:08 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        | 6.242   | 114   | 420682   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.415   | 117   | 430485   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.811  | 152   | 256990   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.599   | 65    | 154030   | 40.820   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 81.640%  |
| 7) Chloroethane-d5            | 1.882   | 69    | 130348   | 42.260   | ug/L   | -0.03    |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 84.520%  |
| 11) 1,1-Dichloroethene-d2     | 2.557   | 63    | 290179   | 43.129   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 86.260%  |
| 21) 2-Butanone-d5             | 4.615   | 46    | 270488   | 96.741   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 96.740%  |
| 24) Chloroform-d              | 5.055   | 84    | 336265   | 46.485   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 92.980%  |
| 26) 1,2-Dichloroethane-d4     | 5.695   | 65    | 216614   | 48.649   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 97.300%  |
| 32) Benzene-d6                | 5.721   | 84    | 644921   | 46.823   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 93.640%  |
| 36) 1,2-Dichloropropane-d6    | 6.685   | 67    | 200631   | 46.012   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 92.020%  |
| 41) Toluene-d8                | 7.894   | 98    | 588556   | 47.323   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 94.640%  |
| 43) trans-1,3-Dichloroprop... | 8.177   | 79    | 99586    | 47.544   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 95.080%  |
| 47) 2-Hexanone-d5             | 8.634   | 63    | 204127   | 119.080  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 119.080% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753  | 84    | 373883   | 55.706   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 111.420% |
| 66) 1,2-Dichlorobenzene-d4    | 12.190  | 152   | 247245   | 48.481   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 96.960%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.380   | 85    | 155987   | 44.532   | ug/L   | 100      |
| 3) Chloromethane              | 1.518   | 50    | 153139   | 46.204   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.602   | 62    | 177017   | 48.531   | ug/L   | 99       |
| 6) Bromomethane               | 1.830   | 94    | 73217    | 31.400   | ug/L   | 98       |
| 8) Chloroethane               | 1.904   | 64    | 105391   | 44.050   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 2.123   | 101   | 242481   | 46.529   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.570   | 101   | 149305   | 44.548   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.570   | 96    | 136025   | 45.609   | ug/L   | 97       |
| 13) Acetone                   | 2.618   | 43    | 167649   | 64.613   | ug/L   | 96       |
| 14) Carbon disulfide          | 2.782   | 76    | 366019   | 40.328   | ug/L   | 99       |
| 15) Methyl Acetate            | 2.940   | 43    | 172300   | 43.361   | ug/L   | 96       |
| 16) Methylene chloride        | 3.036   | 84    | 164028   | 45.352   | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 3.345   | 96    | 137503   | 45.088   | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 3.358   | 73    | 481403   | 49.084   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.859   | 63    | 289651   | 46.314   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 4.660   | 96    | 175025   | 50.286   | ug/L   | 97       |
| 22) 2-Butanone                | 4.695   | 43    | 253676   | 81.115   | ug/L   | 100      |
| 23) Bromochloromethane        | 4.968   | 128   | 87116    | 48.329   | ug/L   | 90       |
| 25) Chloroform                | 5.081   | 83    | 306761   | 46.954   | ug/L   | 96       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU101123\  
 Data File : VU055753.D  
 Acq On : 11 Oct 2023 17:24  
 Operator : MD/SY  
 Sample : 04792-02MS  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Oct 12 01:58:08 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

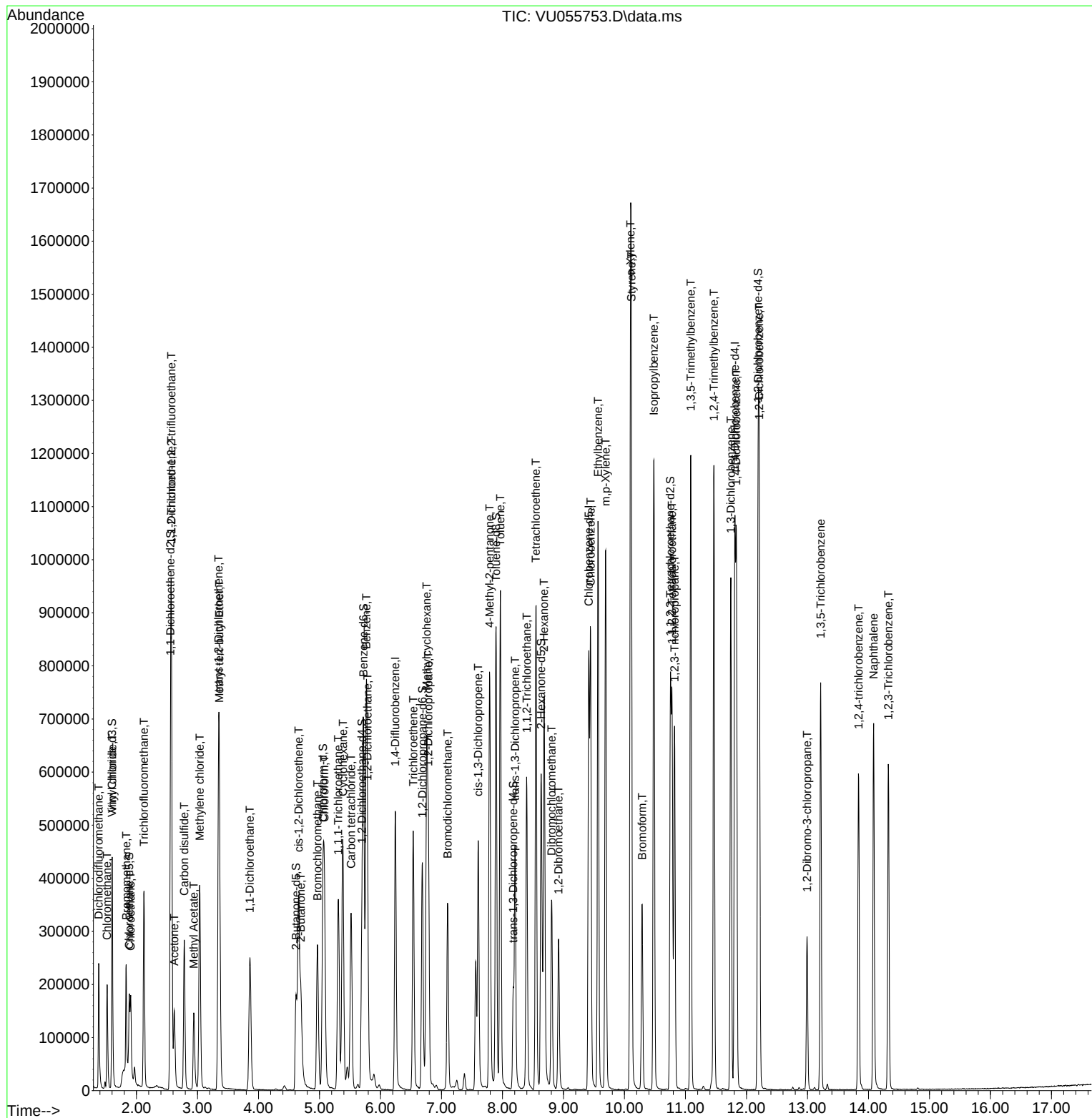
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.788  | 62   | 254874   | 48.777  | ug/L  | 99       |
| 29) Cyclohexane               | 5.383  | 56   | 228038   | 46.215  | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 5.309  | 97   | 265592   | 47.754  | ug/L  | 98       |
| 31) Carbon tetrachloride      | 5.518  | 117  | 228081   | 46.852  | ug/L  | 99       |
| 33) Benzene                   | 5.766  | 78   | 647081   | 47.552  | ug/L  | 100      |
| 34) Trichloroethene           | 6.538  | 95   | 169906   | 45.632  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.759  | 83   | 239493   | 44.332  | ug/L  | 96       |
| 37) 1,2-Dichloropropane       | 6.785  | 63   | 173755   | 46.370  | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.100  | 83   | 228794   | 46.301  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.602  | 75   | 276669   | 48.532  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.788  | 43   | 544385   | 104.429 | ug/L  | 98       |
| 42) Toluene                   | 7.965  | 91   | 685851   | 47.765  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 8.206  | 75   | 259424   | 47.561  | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 8.396  | 97   | 182004   | 49.259  | ug/L  | 98       |
| 46) Tetrachloroethene         | 8.547  | 164  | 193120   | 72.443  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.682  | 43   | 476980   | 108.325 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.804  | 129  | 181605   | 48.103  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.920  | 107  | 190349   | 47.963  | ug/L  | 97       |
| 51) Chlorobenzene             | 9.444  | 112  | 441159   | 47.486  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.566  | 91   | 746356   | 47.544  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.692  | 106  | 288663   | 49.082  | ug/L  | 100      |
| 54) o-Xylene                  | 10.097 | 106  | 291150   | 51.158  | ug/L  | 99       |
| 55) Styrene                   | 10.113 | 104  | 514657   | 53.382  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.779 | 83   | 350000   | 55.321  | ug/L  | 100      |
| 59) Bromoform                 | 10.290 | 173  | 150845   | 47.682  | ug/L  | 98       |
| 60) 1,2,3-Trichloropropane    | 10.820 | 75   | 285255   | 51.144  | ug/L  | 99       |
| 61) Isopropylbenzene          | 10.483 | 105  | 761530   | 47.533  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 11.087 | 105  | 652962   | 50.369  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.467 | 105  | 642835   | 50.148  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.743 | 146  | 373667   | 47.181  | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.833 | 146  | 380967   | 46.786  | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 12.209 | 146  | 383797   | 48.832  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.994 | 75   | 75874    | 45.503  | ug/L  | 99       |
| 69) 1,3,5-Trichlorobenzene    | 13.216 | 180  | 223556   | 42.318  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.836 | 180  | 170879   | 38.834  | ug/L  | 98       |
| 71) Naphthalene               | 14.084 | 128  | 544893   | 41.687  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 177354   | 40.880  | ug/L  | 98       |

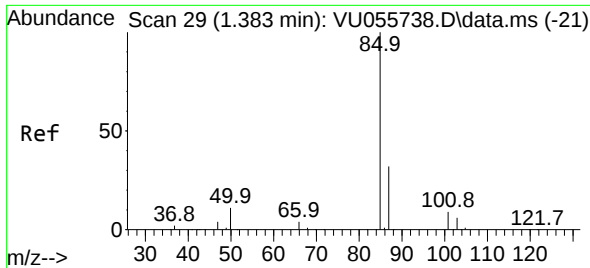
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU101123\  
Data File : VU055753.D  
Acq On : 11 Oct 2023 17:24  
Operator : MD/SY  
Sample : 04792-02MS  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Oct 12 01:58:08 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

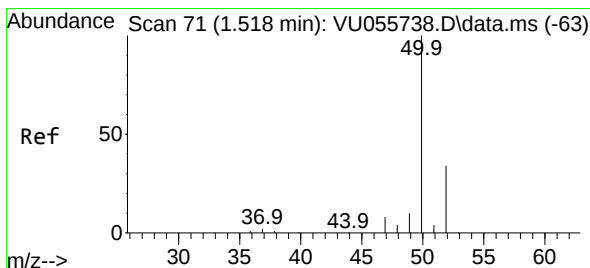
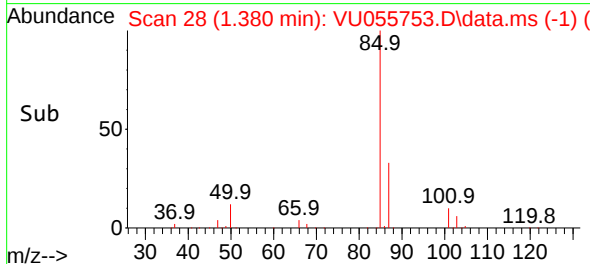
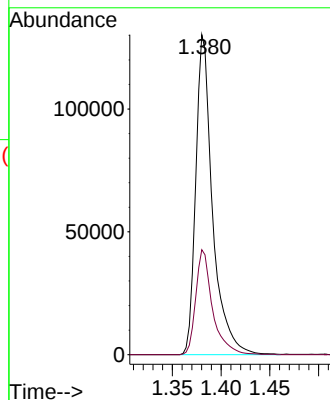
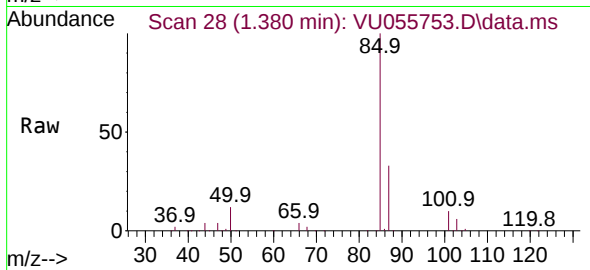




#2  
 Dichlorodifluoromethane  
 Concen: 44.532 ug/L  
 RT: 1.380 min Scan# 29  
 Delta R.T. -0.003 min  
 Lab File: VU055753.D  
 Acq: 11 Oct 2023 17:24

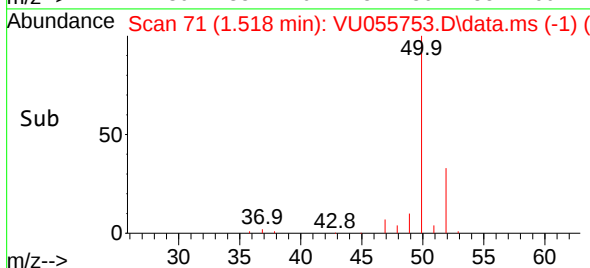
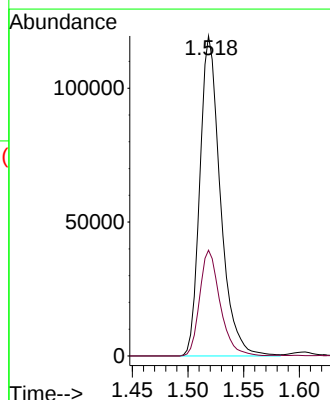
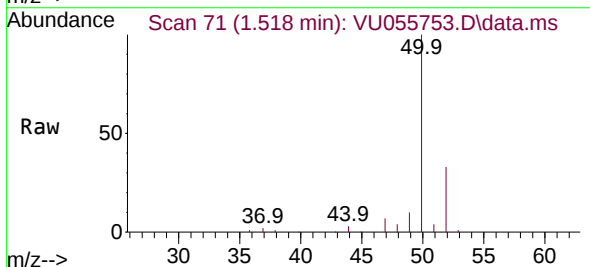
Instrument :  
 MSVOA\_U  
 ClientSampleId :

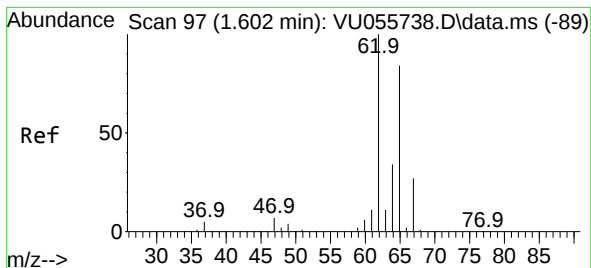
Tgt Ion: 85 Resp: 155987  
 Ion Ratio Lower Upper  
 85 100  
 87 32.8 26.0 39.0



#3  
 Chloromethane  
 Concen: 46.204 ug/L  
 RT: 1.518 min Scan# 71  
 Delta R.T. 0.000 min  
 Lab File: VU055753.D  
 Acq: 11 Oct 2023 17:24

Tgt Ion: 50 Resp: 153139  
 Ion Ratio Lower Upper  
 50 100  
 52 33.1 22.8 42.4





#5

Vinyl chloride

Concen: 48.531 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU055753.D

Acq: 11 Oct 2023 17:24

Instrument :

MSVOA\_U

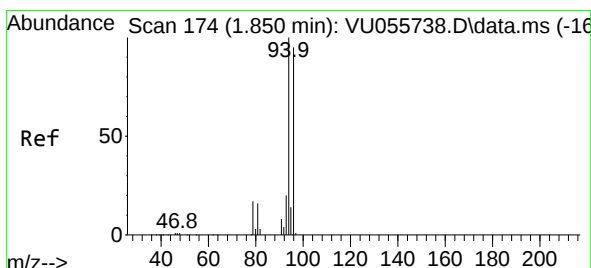
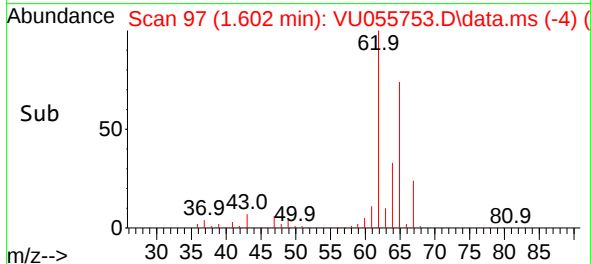
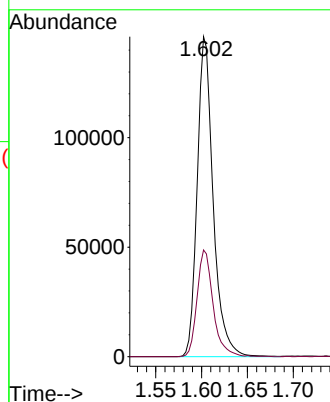
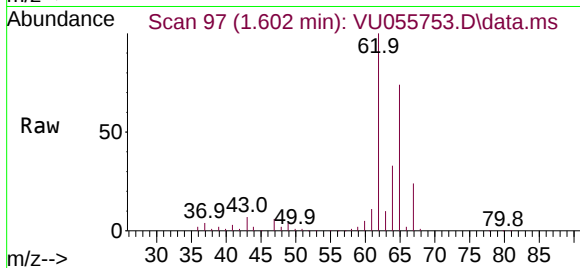
ClientSampleId :

Tgt Ion: 62 Resp: 177017

Ion Ratio Lower Upper

62 100

64 33.3 23.9 44.5



#6

Bromomethane

Concen: 31.400 ug/L

RT: 1.830 min Scan# 168

Delta R.T. -0.019 min

Lab File: VU055753.D

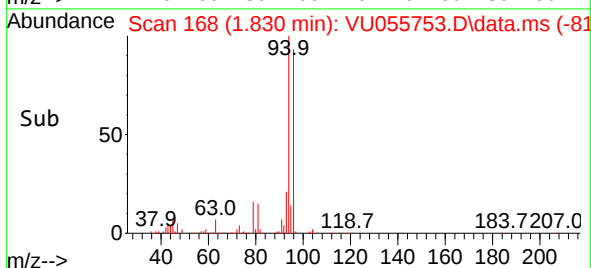
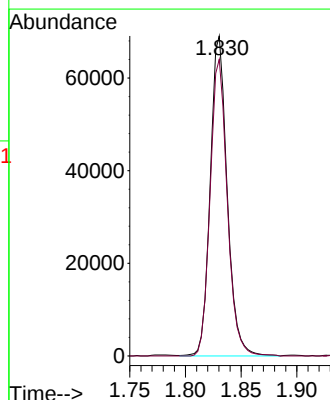
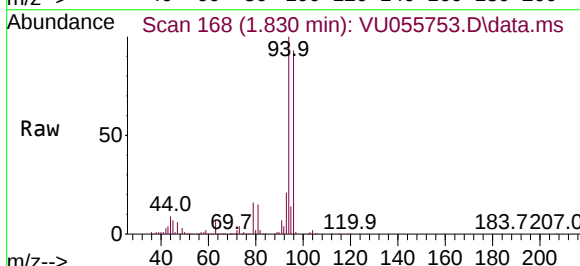
Acq: 11 Oct 2023 17:24

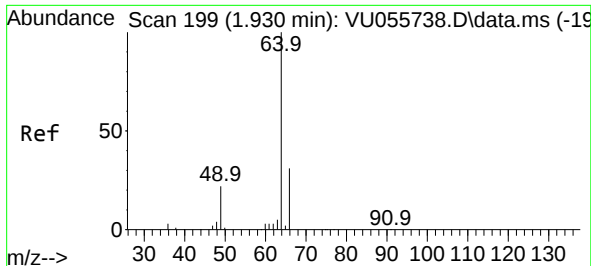
Tgt Ion: 94 Resp: 73217

Ion Ratio Lower Upper

94 100

96 92.7 63.5 117.9

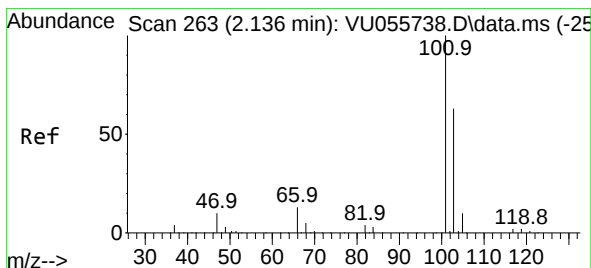
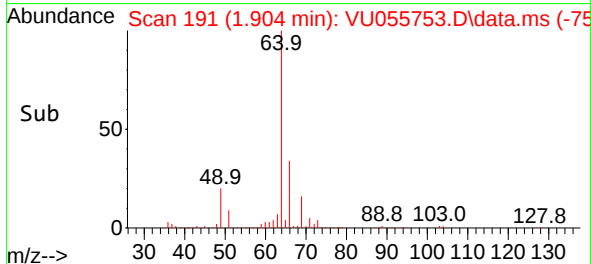
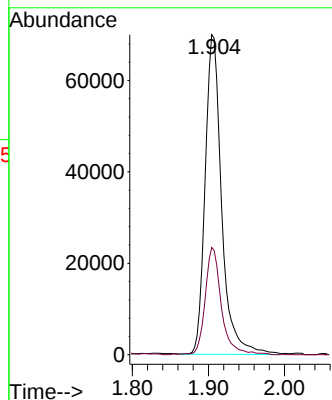
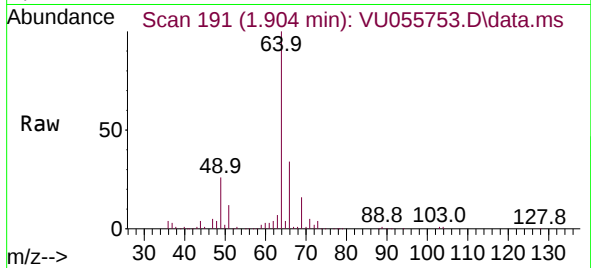




#8  
Chloroethane  
Concen: 44.050 ug/L  
RT: 1.904 min Scan# 19  
Delta R.T. -0.026 min  
Lab File: VU055753.D  
Acq: 11 Oct 2023 17:24

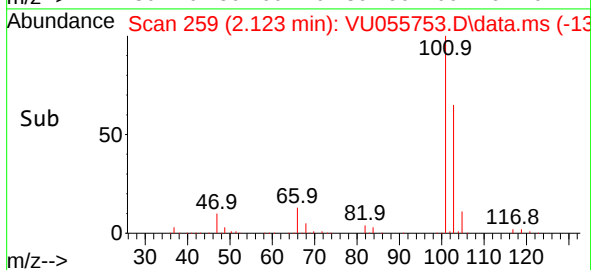
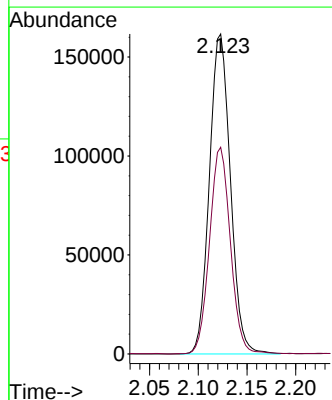
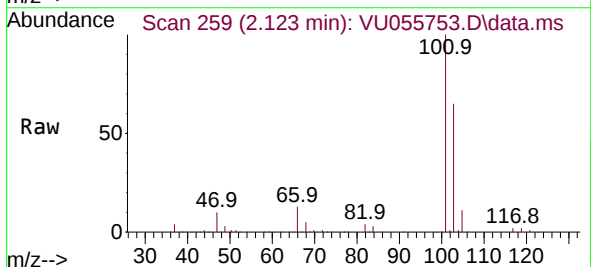
Instrument :  
MSVOA\_U  
ClientSampleId :

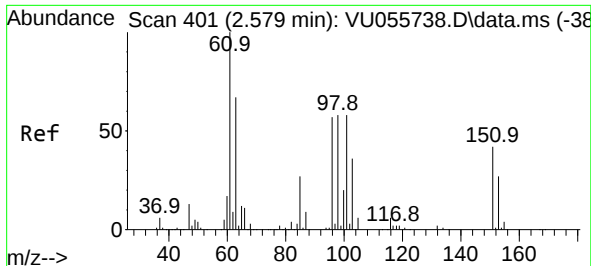
Tgt Ion: 64 Resp: 105391  
Ion Ratio Lower Upper  
64 100  
66 33.5 22.9 42.5



#9  
Trichlorofluoromethane  
Concen: 46.529 ug/L  
RT: 2.123 min Scan# 259  
Delta R.T. -0.013 min  
Lab File: VU055753.D  
Acq: 11 Oct 2023 17:24

Tgt Ion:101 Resp: 242481  
Ion Ratio Lower Upper  
101 100  
103 63.8 51.3 76.9

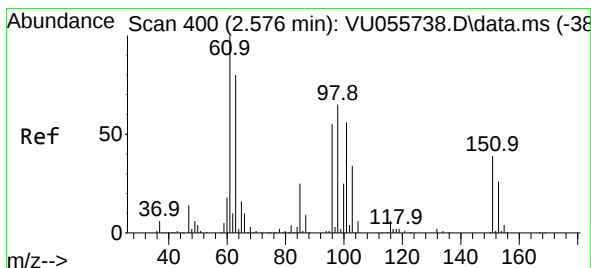
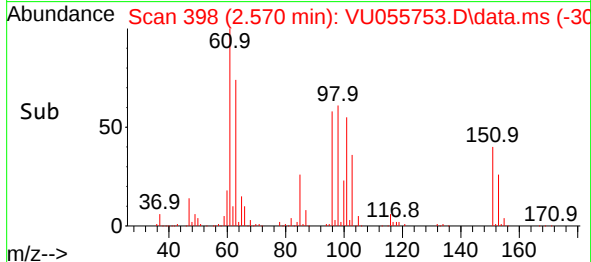
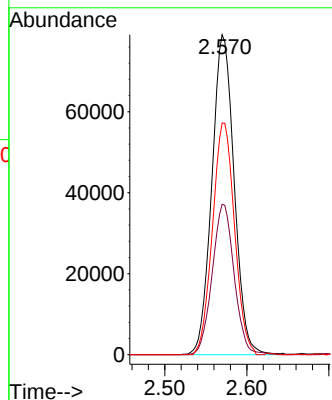
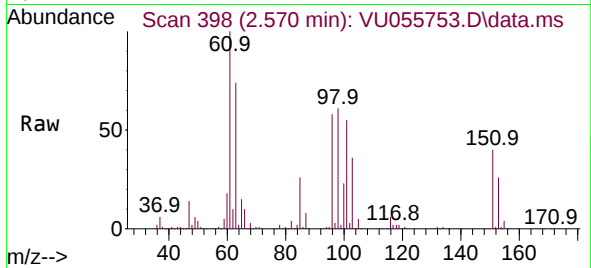




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 44.548 ug/L  
RT: 2.570 min Scan# 398  
Delta R.T. -0.010 min  
Lab File: VU055753.D  
Acq: 11 Oct 2023 17:24

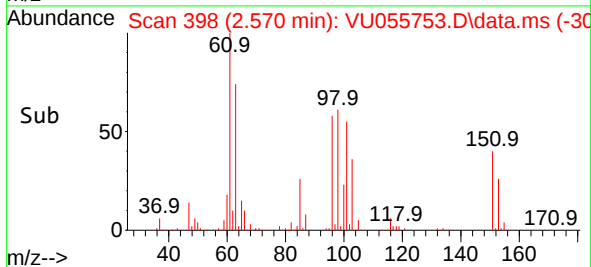
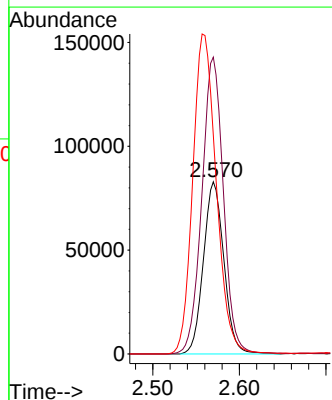
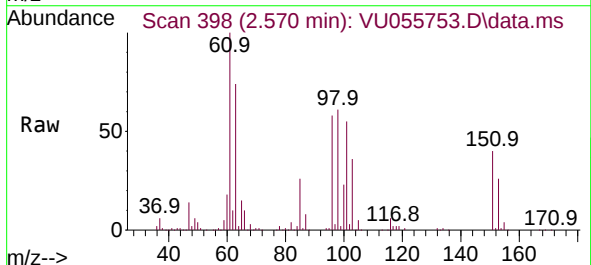
Instrument :  
MSVOA\_U  
ClientSampleId :

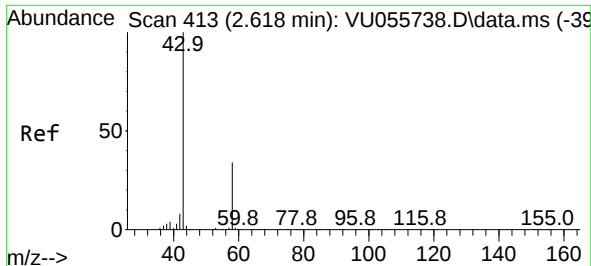
Tgt Ion:101 Resp: 149305  
Ion Ratio Lower Upper  
101 100  
85 46.1 37.1 55.7  
151 71.5 58.2 87.4



#12  
1,1-Dichloroethene  
Concen: 45.609 ug/L  
RT: 2.570 min Scan# 398  
Delta R.T. -0.006 min  
Lab File: VU055753.D  
Acq: 11 Oct 2023 17:24

Tgt Ion: 96 Resp: 136025  
Ion Ratio Lower Upper  
96 100  
61 172.4 122.0 226.6  
63 127.0 93.7 174.1





#13

Acetone

Concen: 64.613 ug/L

RT: 2.618 min Scan# 413

Delta R.T. 0.000 min

Lab File: VU055753.D

Acq: 11 Oct 2023 17:24

Instrument :

MSVOA\_U

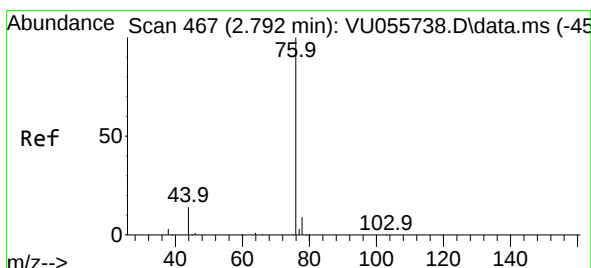
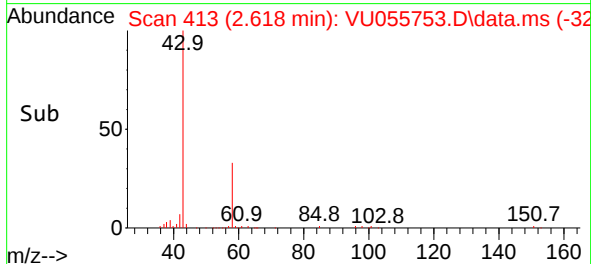
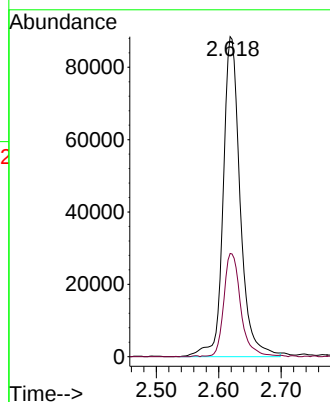
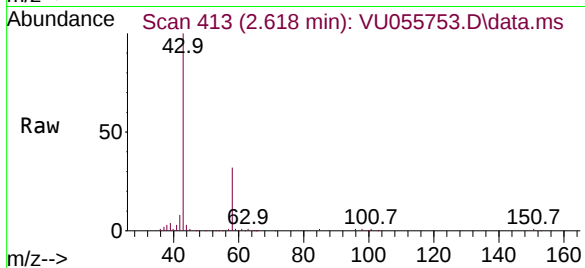
ClientSampleId :

Tgt Ion: 43 Resp: 167649

Ion Ratio Lower Upper

43 100

58 31.6 0.0 67.4



#14

Carbon disulfide

Concen: 40.328 ug/L

RT: 2.782 min Scan# 464

Delta R.T. -0.010 min

Lab File: VU055753.D

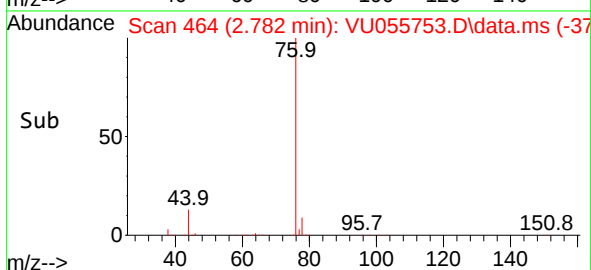
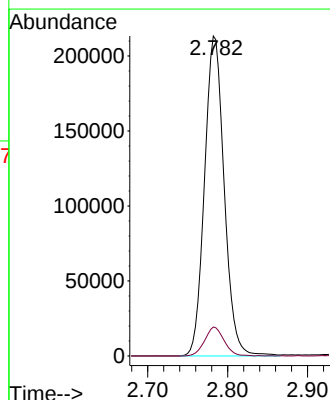
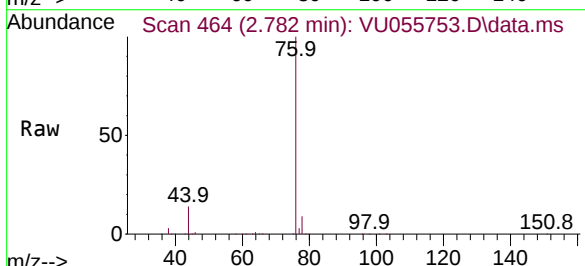
Acq: 11 Oct 2023 17:24

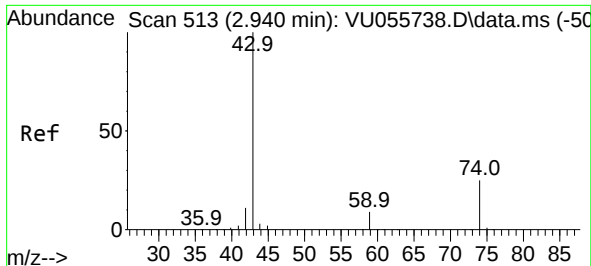
Tgt Ion: 76 Resp: 366019

Ion Ratio Lower Upper

76 100

78 9.0 6.8 10.2

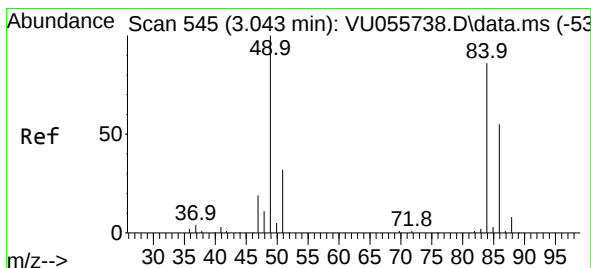
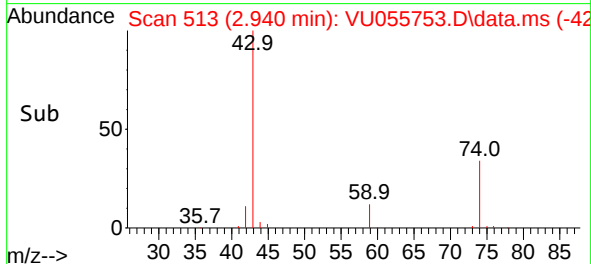
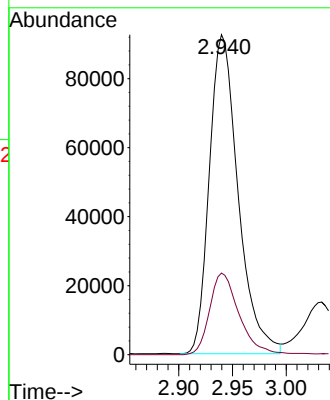
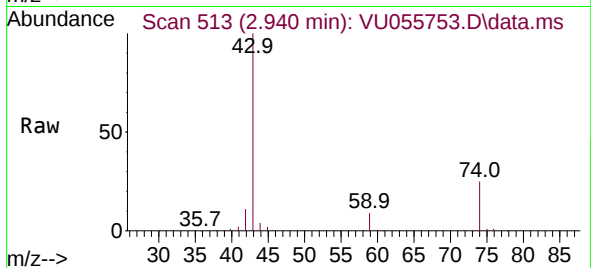




#15  
Methyl Acetate  
Concen: 43.361 ug/L  
RT: 2.940 min Scan# 513  
Delta R.T. 0.000 min  
Lab File: VU055753.D  
Acq: 11 Oct 2023 17:24

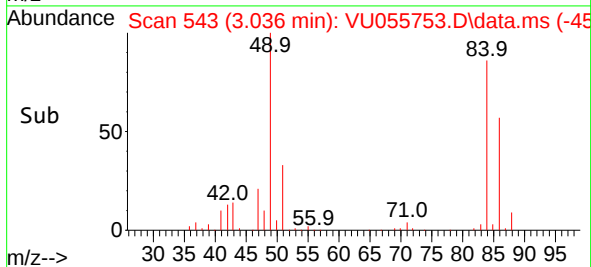
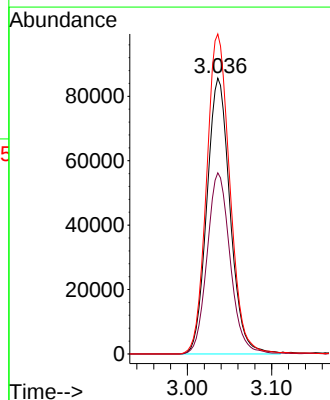
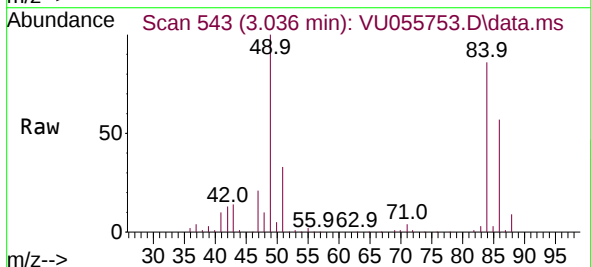
Instrument :  
MSVOA\_U  
ClientSampleId :

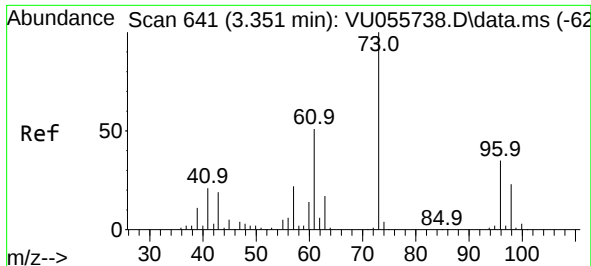
Tgt Ion: 43 Resp: 172300  
Ion Ratio Lower Upper  
43 100  
74 26.4 19.5 29.3



#16  
Methylene chloride  
Concen: 45.352 ug/L  
RT: 3.036 min Scan# 543  
Delta R.T. -0.006 min  
Lab File: VU055753.D  
Acq: 11 Oct 2023 17:24

Tgt Ion: 84 Resp: 164028  
Ion Ratio Lower Upper  
84 100  
86 65.6 46.3 86.1  
49 116.0 84.8 157.6





#17

trans-1,2-Dichloroethene

Concen: 45.088 ug/L

RT: 3.345 min Scan# 61

Delta R.T. -0.006 min

Lab File: VU055753.D

Acq: 11 Oct 2023 17:24

Instrument :

MSVOA\_U

ClientSampleId :

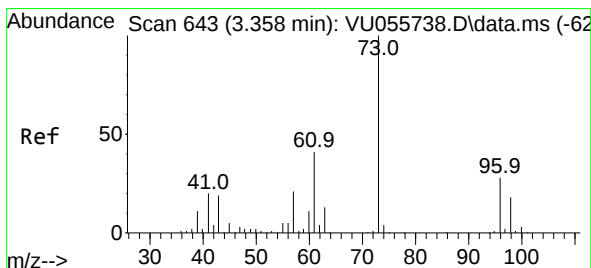
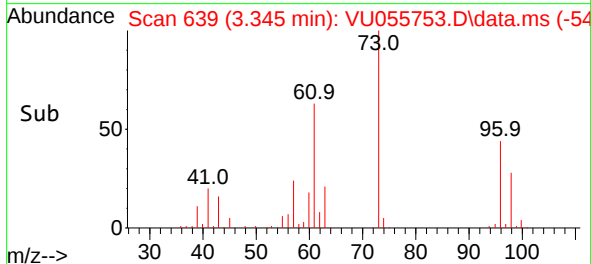
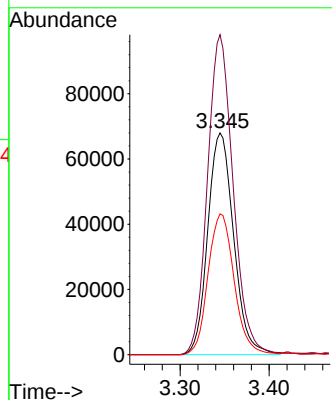
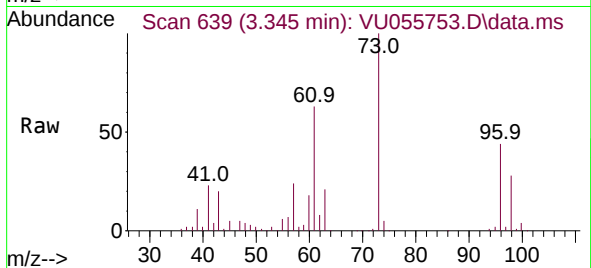
Tgt Ion: 96 Resp: 137503

Ion Ratio Lower Upper

96 100

61 144.3 102.1 189.7

98 63.5 46.3 86.1



#18

Methyl tert-butyl Ether

Concen: 49.084 ug/L

RT: 3.358 min Scan# 643

Delta R.T. 0.000 min

Lab File: VU055753.D

Acq: 11 Oct 2023 17:24

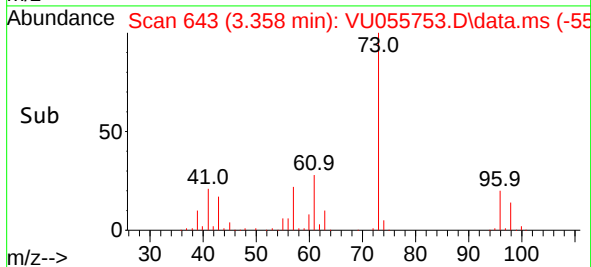
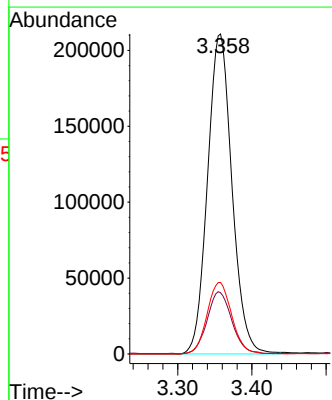
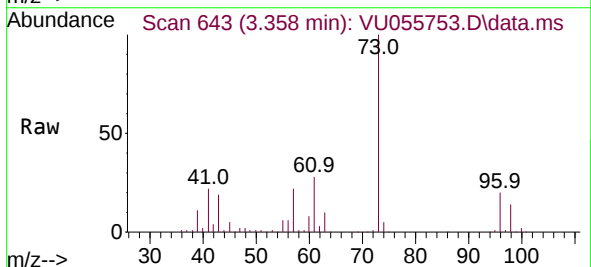
Tgt Ion: 73 Resp: 481403

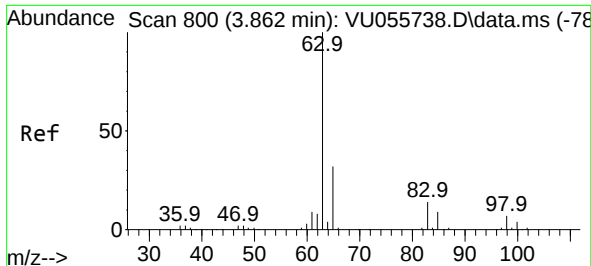
Ion Ratio Lower Upper

73 100

43 19.8 15.4 23.2

57 22.6 17.7 26.5





#19

1,1-Dichloroethane

Concen: 46.314 ug/L

RT: 3.859 min Scan# 799

Delta R.T. -0.003 min

Lab File: VU055753.D

Acq: 11 Oct 2023 17:24

Instrument :

MSVOA\_U

ClientSampleId :

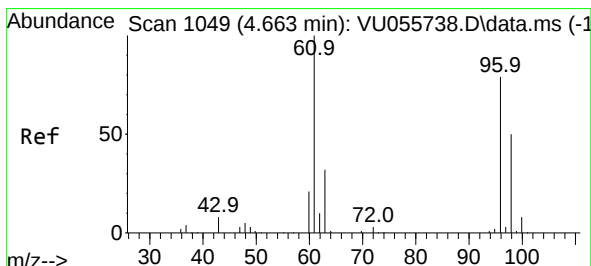
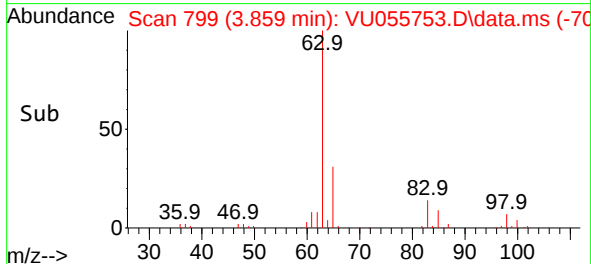
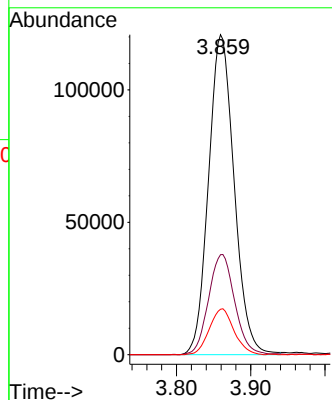
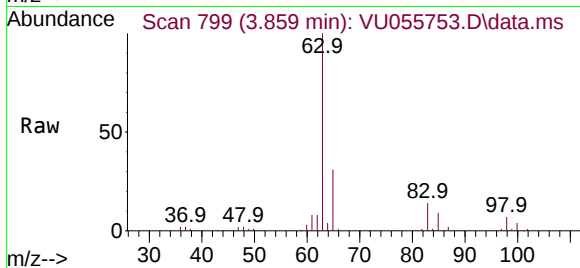
Tgt Ion: 63 Resp: 289651

Ion Ratio Lower Upper

63 100

65 31.2 22.3 41.5

83 14.2 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 50.286 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. -0.003 min

Lab File: VU055753.D

Acq: 11 Oct 2023 17:24

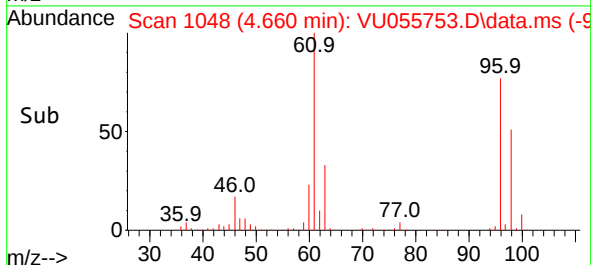
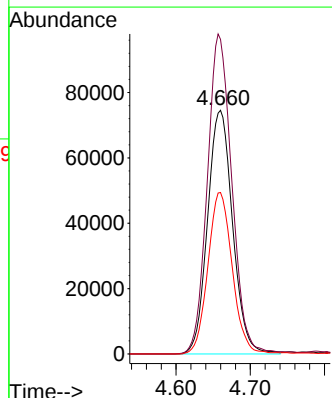
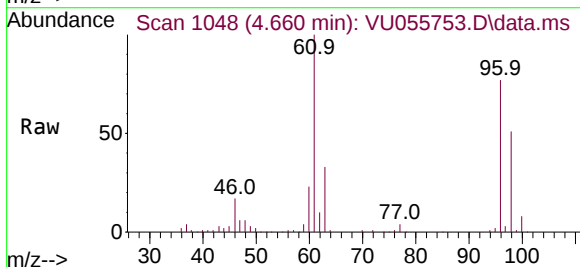
Tgt Ion: 96 Resp: 175025

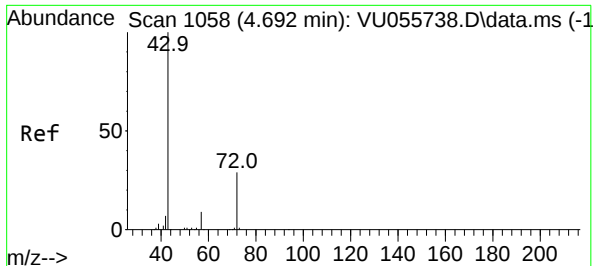
Ion Ratio Lower Upper

96 100

61 129.1 92.3 171.5

98 66.3 43.9 81.5





#22

2-Butanone

Concen: 81.115 ug/L

RT: 4.695 min Scan# 1059

Delta R.T. 0.003 min

Lab File: VU055753.D

Acq: 11 Oct 2023 17:24

Instrument :

MSVOA\_U

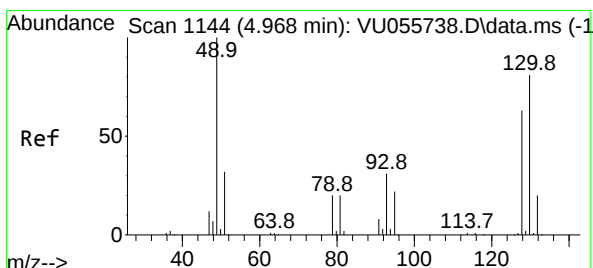
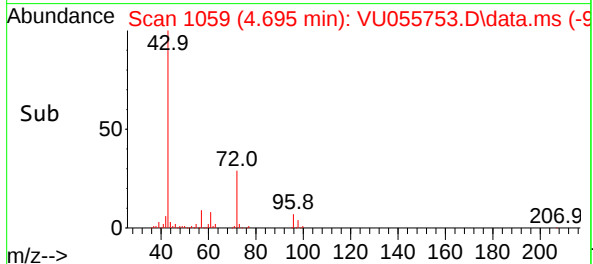
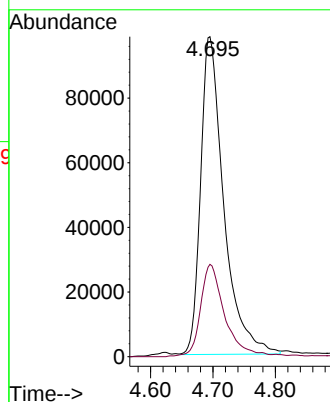
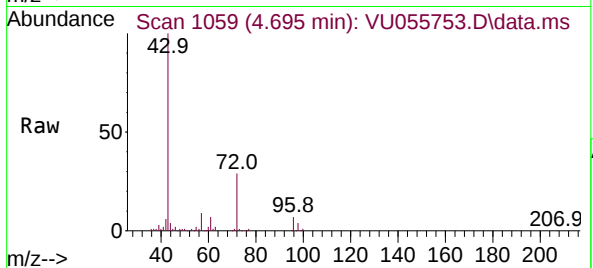
ClientSampleId :

Tgt Ion: 43 Resp: 253676

Ion Ratio Lower Upper

43 100

72 29.1 14.6 44.0



#23

Bromochloromethane

Concen: 48.329 ug/L

RT: 4.968 min Scan# 1144

Delta R.T. 0.000 min

Lab File: VU055753.D

Acq: 11 Oct 2023 17:24

Tgt Ion: 128 Resp: 87116

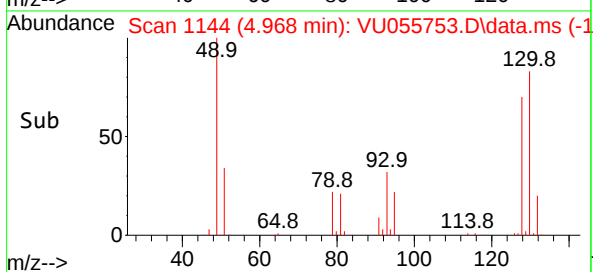
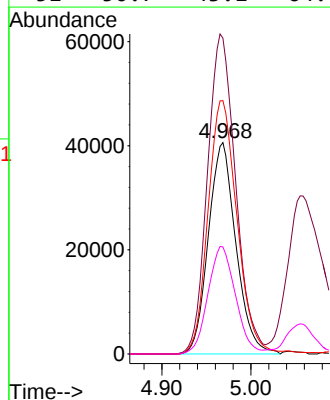
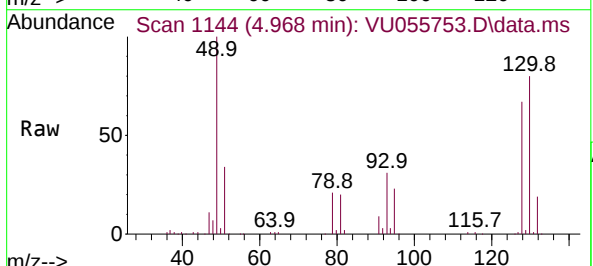
Ion Ratio Lower Upper

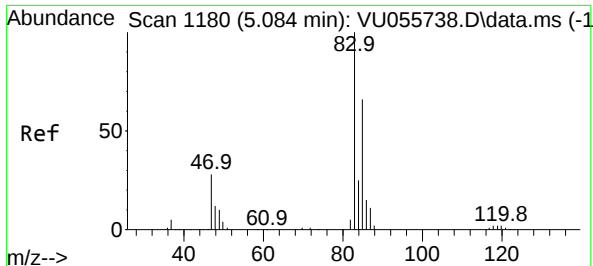
128 100

49 149.5 116.3 216.1

130 119.9 91.6 170.0

51 50.7 43.1 64.7





#25

Chloroform

Concen: 46.954 ug/L

RT: 5.081 min Scan# 1180

Delta R.T. -0.003 min

Lab File: VU055753.D

Acq: 11 Oct 2023 17:24

Instrument :

MSVOA\_U

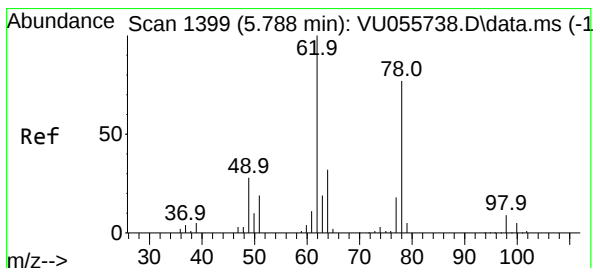
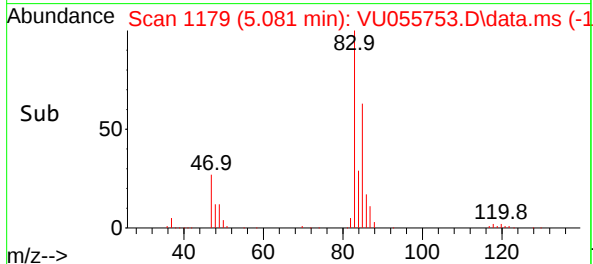
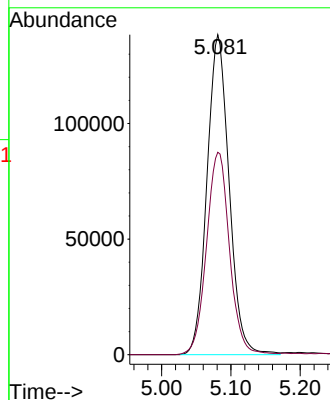
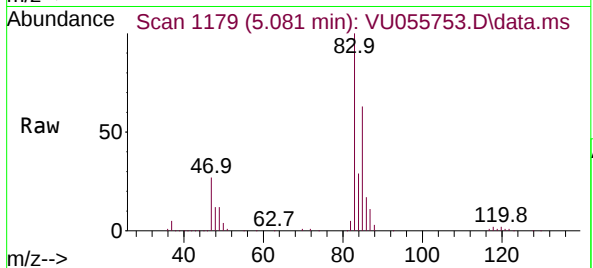
ClientSampleId :

Tgt Ion: 83 Resp: 306761

Ion Ratio Lower Upper

83 100

85 63.3 46.3 86.1



#27

1,2-Dichloroethane

Concen: 48.777 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.000 min

Lab File: VU055753.D

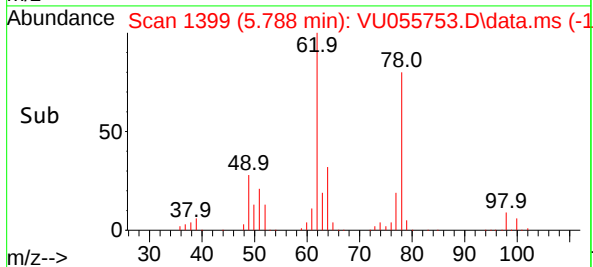
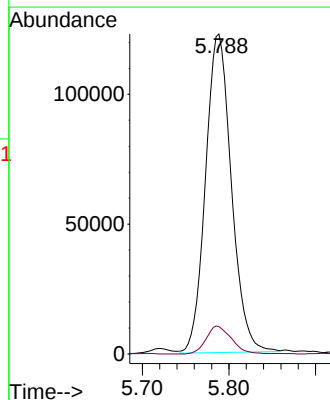
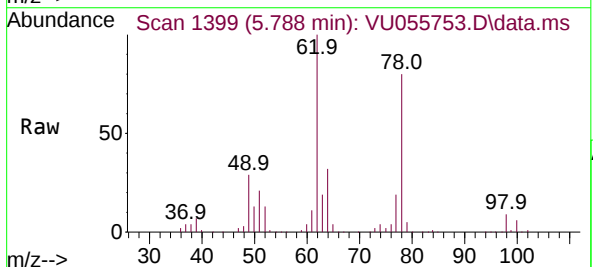
Acq: 11 Oct 2023 17:24

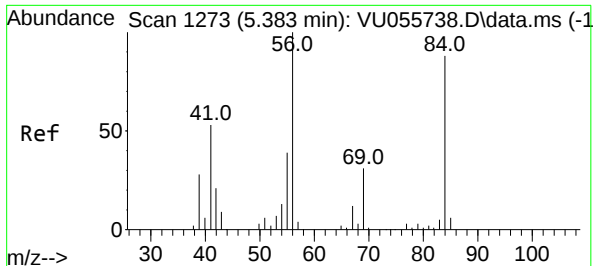
Tgt Ion: 62 Resp: 254874

Ion Ratio Lower Upper

62 100

98 8.6 7.2 10.8





#29

Cyclohexane

Concen: 46.215 ug/L

RT: 5.383 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU055753.D

Acq: 11 Oct 2023 17:24

Instrument :

MSVOA\_U

ClientSampleId :

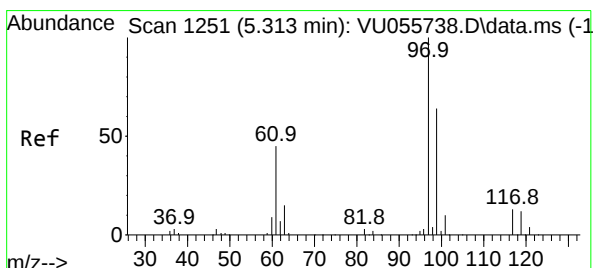
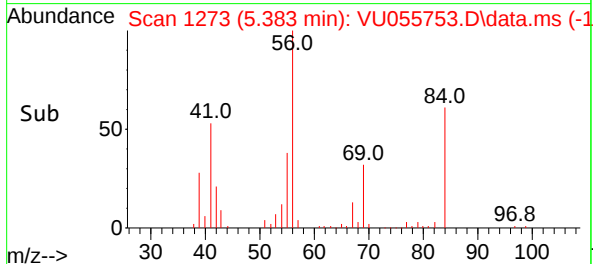
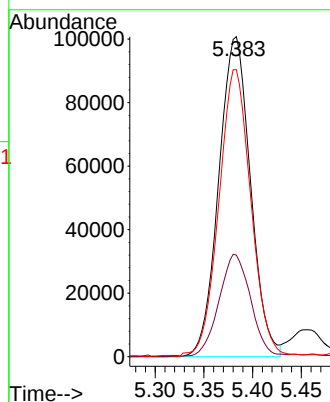
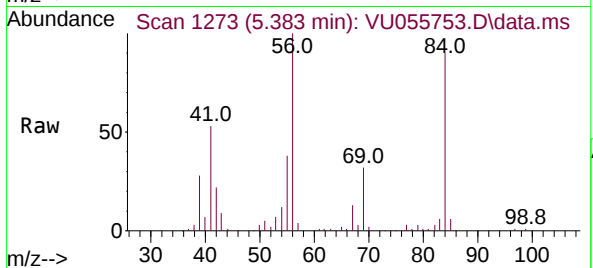
Tgt Ion: 56 Resp: 228038

Ion Ratio Lower Upper

56 100

69 31.5 24.9 37.3

84 89.2 70.7 106.1



#30

1,1,1-Trichloroethane

Concen: 47.754 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. -0.003 min

Lab File: VU055753.D

Acq: 11 Oct 2023 17:24

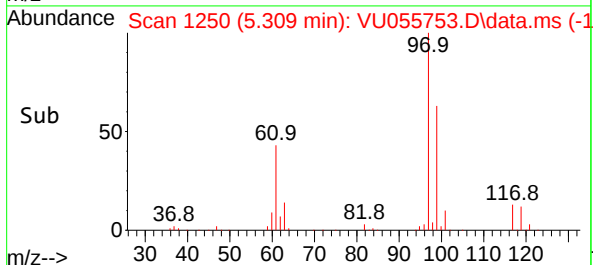
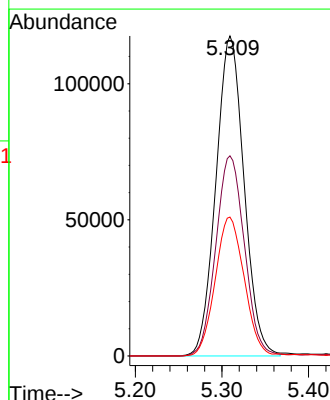
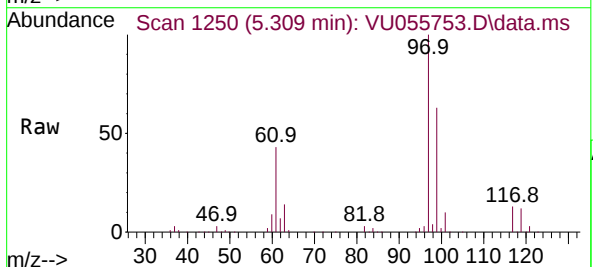
Tgt Ion: 97 Resp: 265592

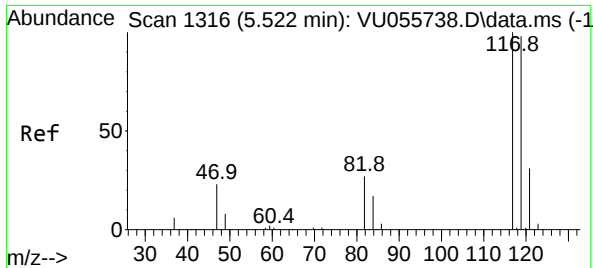
Ion Ratio Lower Upper

97 100

99 63.6 51.6 77.4

61 44.6 36.8 55.2

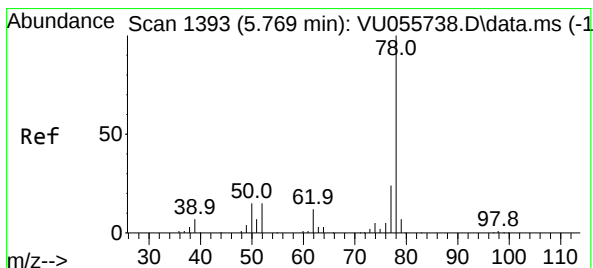
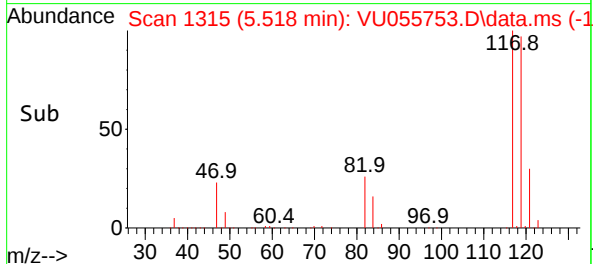
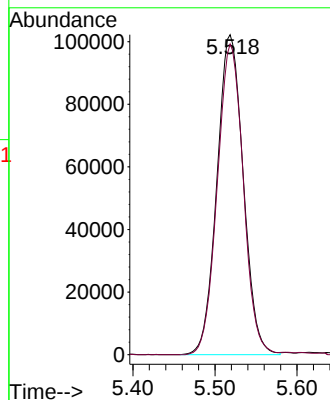
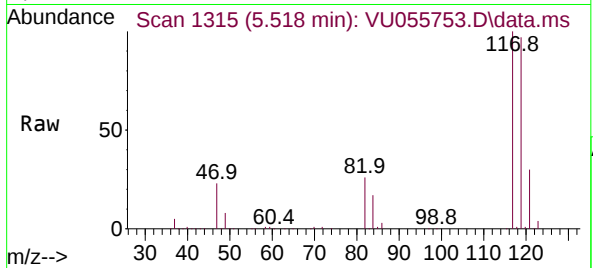




#31  
Carbon tetrachloride  
Concen: 46.852 ug/L  
RT: 5.518 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VU055753.D  
Acq: 11 Oct 2023 17:24

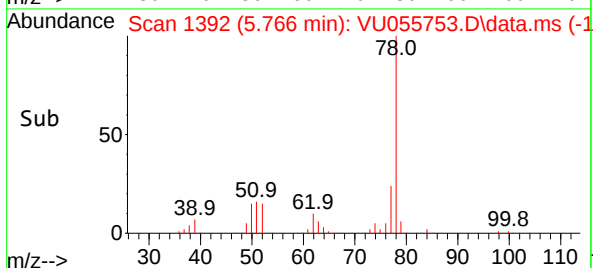
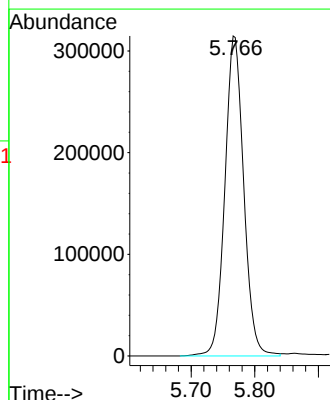
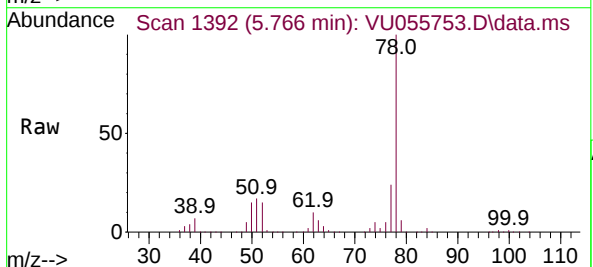
Instrument :  
MSVOA\_U  
ClientSampleId :

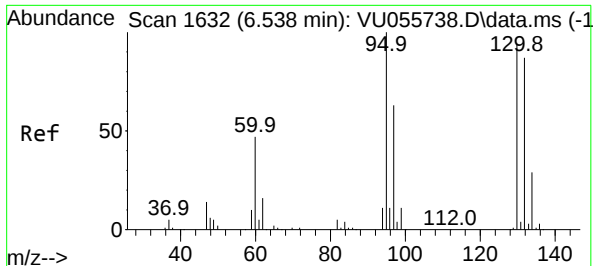
Tgt Ion:117 Resp: 228081  
Ion Ratio Lower Upper  
117 100  
119 95.6 75.4 113.0



#33  
Benzene  
Concen: 47.552 ug/L  
RT: 5.766 min Scan# 1392  
Delta R.T. -0.003 min  
Lab File: VU055753.D  
Acq: 11 Oct 2023 17:24

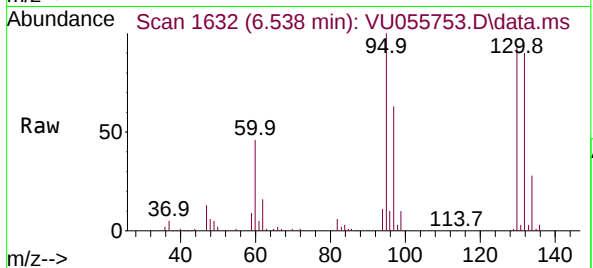
Tgt Ion: 78 Resp: 647081



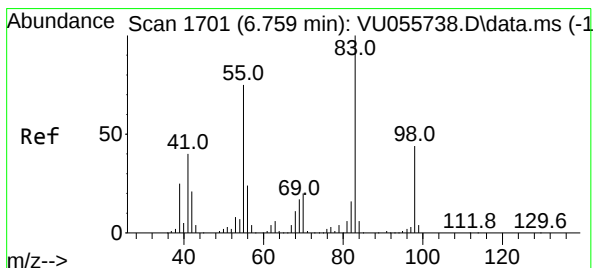
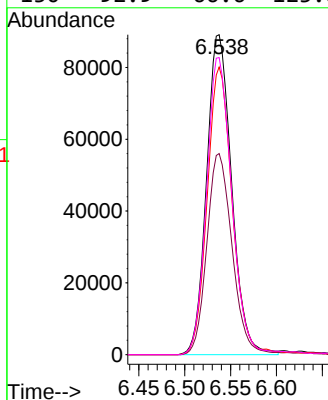
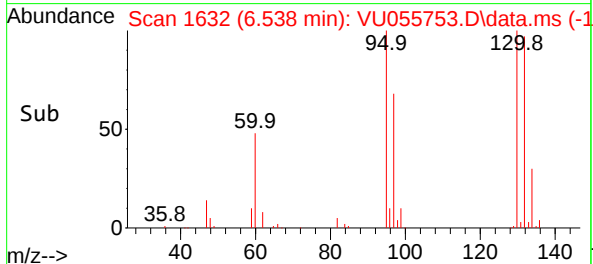


#34  
Trichloroethene  
Concen: 45.632 ug/L  
RT: 6.538 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VU055753.D  
Acq: 11 Oct 2023 17:24

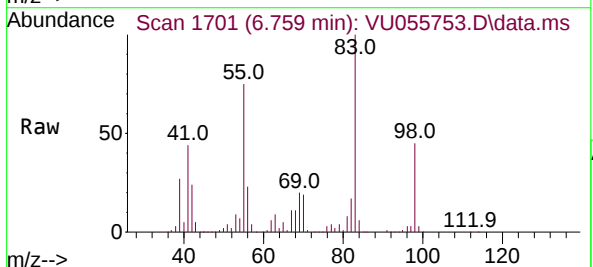
Instrument :  
MSVOA\_U  
ClientSampleId :



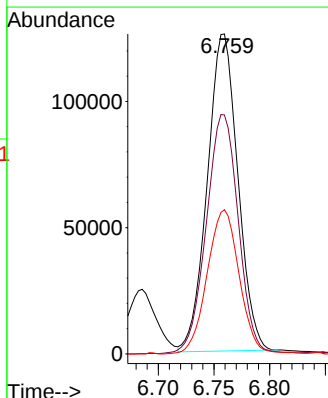
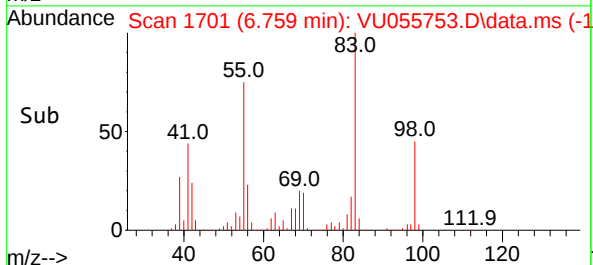
Tgt Ion: 95 Resp: 169906  
Ion Ratio Lower Upper  
95 100  
97 62.9 44.4 82.5  
132 89.9 61.8 114.8  
130 92.9 66.6 123.8

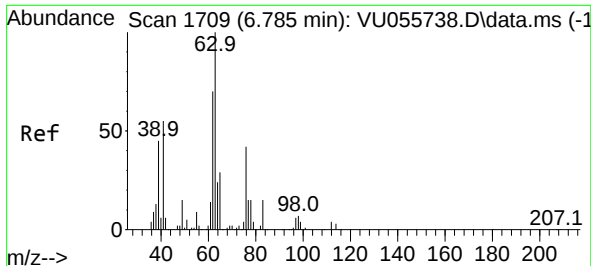


#35  
Methylcyclohexane  
Concen: 44.332 ug/L  
RT: 6.759 min Scan# 1701  
Delta R.T. 0.000 min  
Lab File: VU055753.D  
Acq: 11 Oct 2023 17:24



Tgt Ion: 83 Resp: 239493  
Ion Ratio Lower Upper  
83 100  
55 79.3 61.2 91.8  
98 47.8 35.8 53.6





#37

1,2-Dichloropropane

Concen: 46.370 ug/L

RT: 6.785 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU055753.D

Acq: 11 Oct 2023 17:24

Instrument :

MSVOA\_U

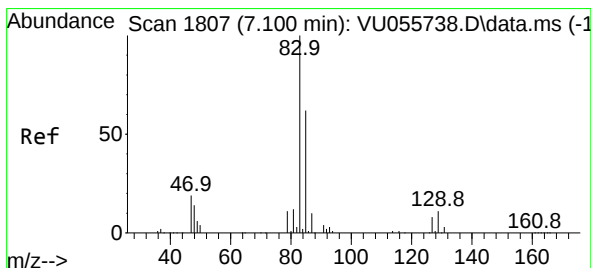
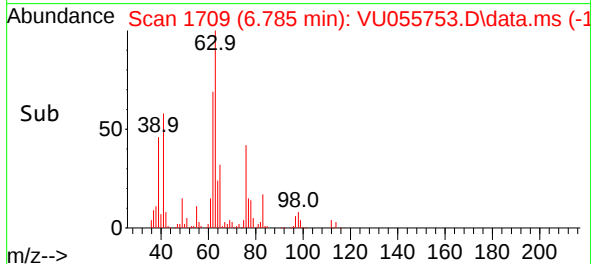
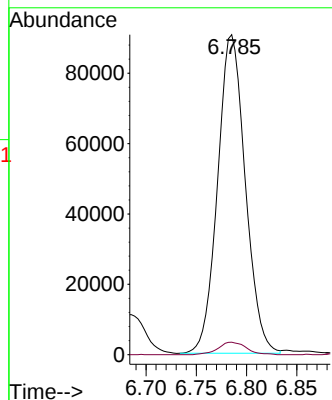
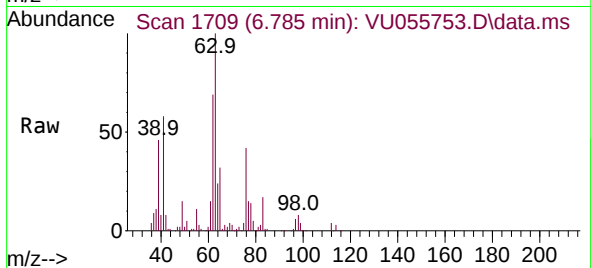
ClientSampleId :

Tgt Ion: 63 Resp: 173755

Ion Ratio Lower Upper

63 100

112 4.0 3.0 4.4



#38

Bromodichloromethane

Concen: 46.301 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VU055753.D

Acq: 11 Oct 2023 17:24

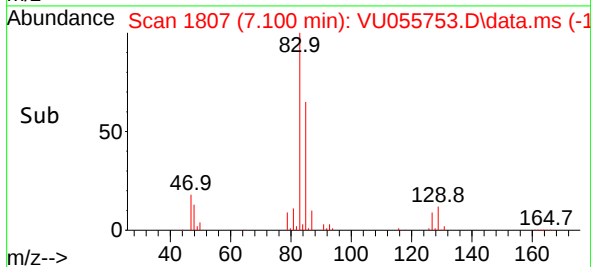
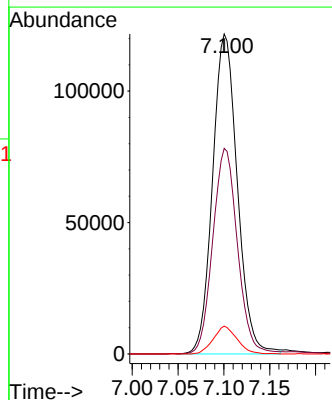
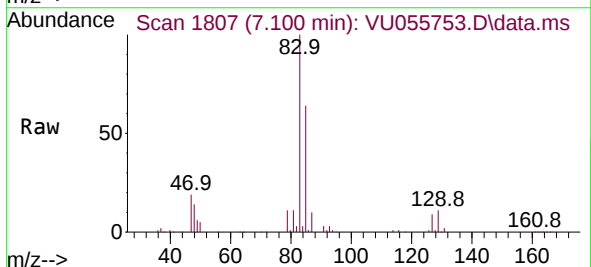
Tgt Ion: 83 Resp: 228794

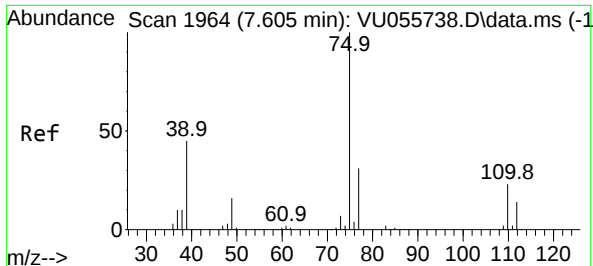
Ion Ratio Lower Upper

83 100

85 64.2 46.0 85.4

127 8.7 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 48.532 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. -0.003 min

Lab File: VU055753.D

Acq: 11 Oct 2023 17:24

Instrument :

MSVOA\_U

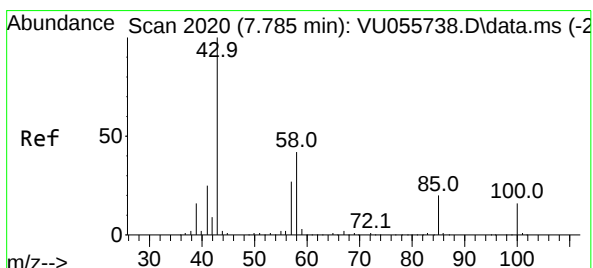
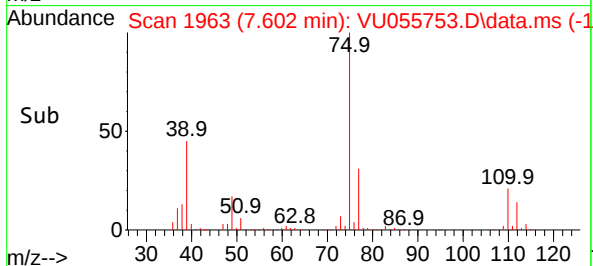
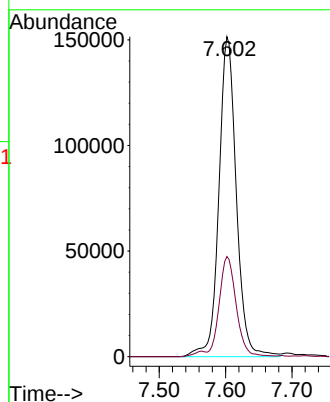
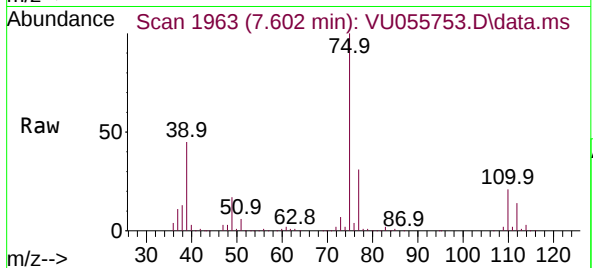
ClientSampleId :

Tgt Ion: 75 Resp: 276669

Ion Ratio Lower Upper

75 100

77 31.3 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 104.429 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. 0.003 min

Lab File: VU055753.D

Acq: 11 Oct 2023 17:24

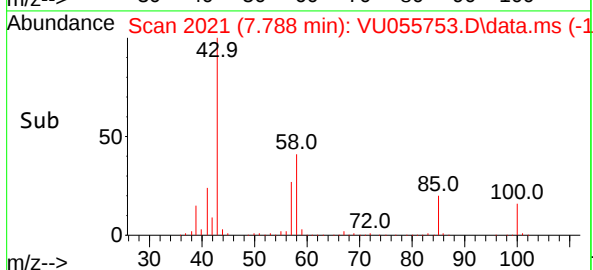
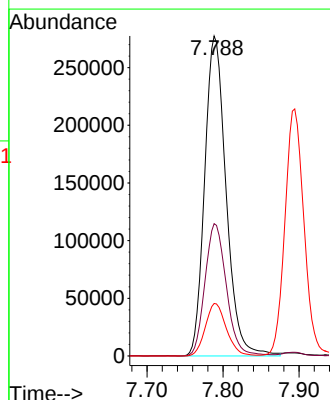
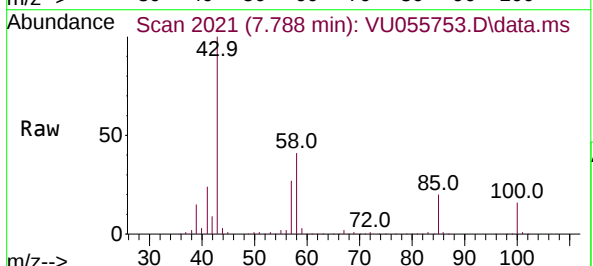
Tgt Ion: 43 Resp: 544385

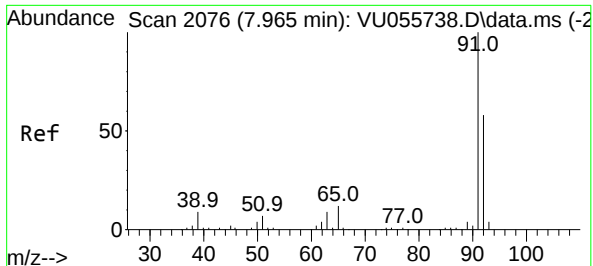
Ion Ratio Lower Upper

43 100

58 41.3 32.3 48.5

100 16.1 12.0 18.0





#42

Toluene

Concen: 47.765 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU055753.D

Acq: 11 Oct 2023 17:24

Instrument :

MSVOA\_U

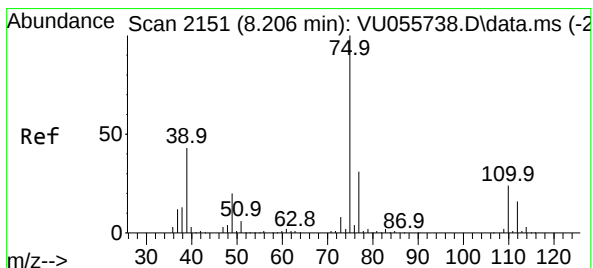
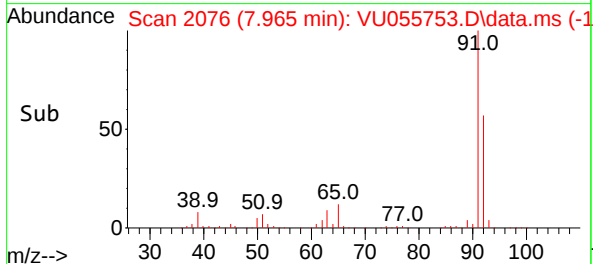
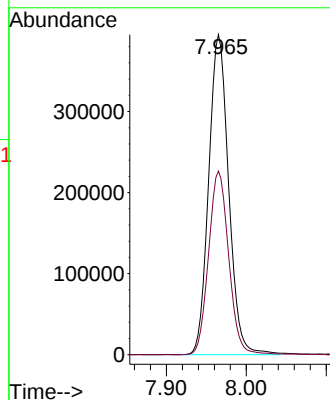
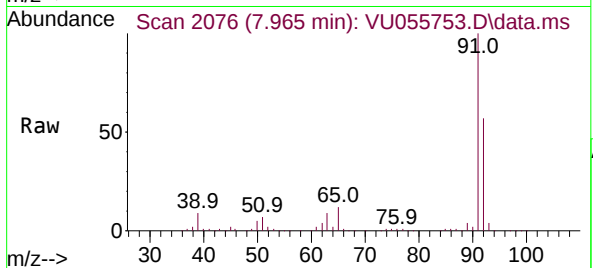
ClientSampleId :

Tgt Ion: 91 Resp: 685851

Ion Ratio Lower Upper

91 100

92 57.4 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 47.561 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU055753.D

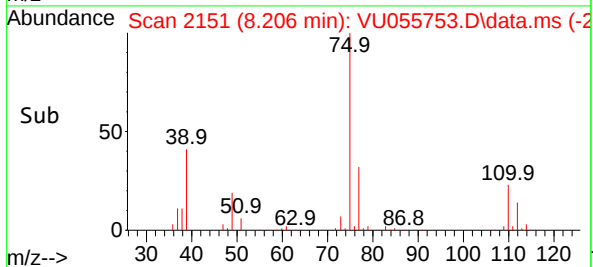
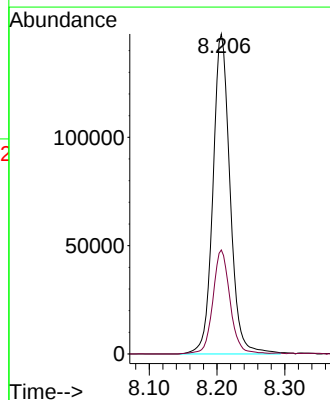
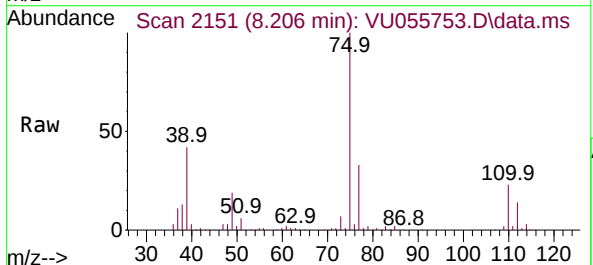
Acq: 11 Oct 2023 17:24

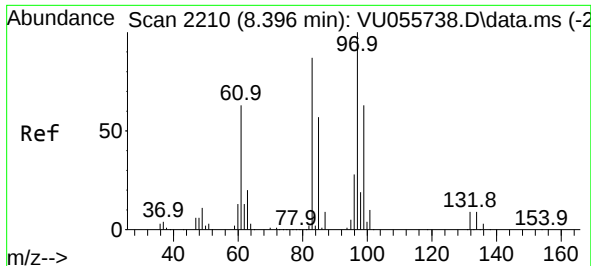
Tgt Ion: 75 Resp: 259424

Ion Ratio Lower Upper

75 100

77 32.5 21.6 40.2



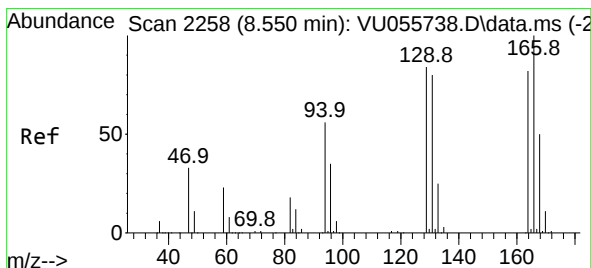
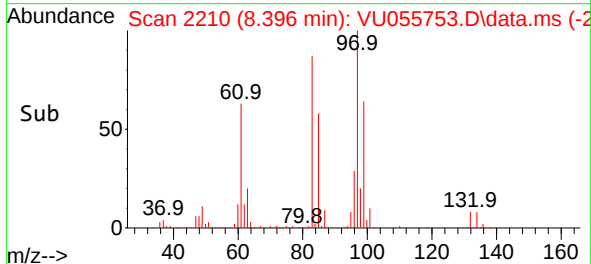
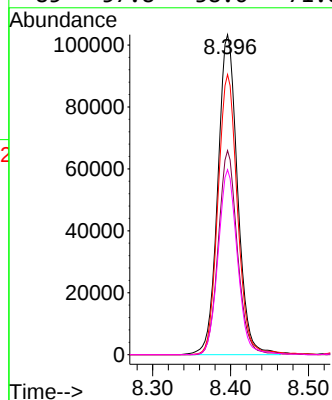
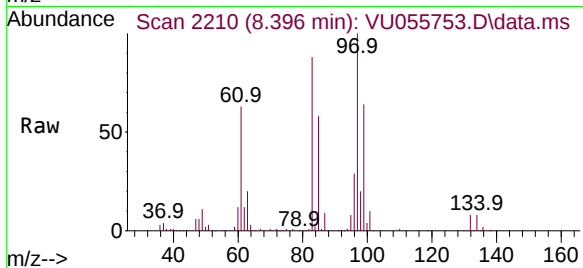


#45  
1,1,2-Trichloroethane  
Concen: 49.259 ug/L  
RT: 8.396 min Scan# 2110  
Delta R.T. 0.000 min  
Lab File: VU055753.D  
Acq: 11 Oct 2023 17:24

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 97 Resp: 182004

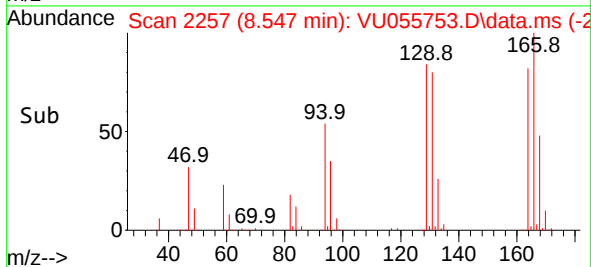
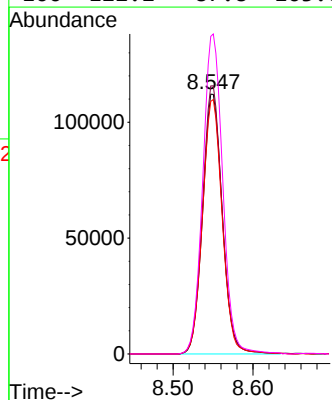
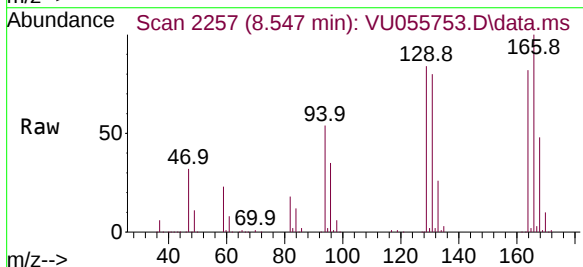
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 63.8  | 44.4  | 82.5  |
| 83  | 87.5  | 60.4  | 112.2 |
| 85  | 57.8  | 38.6  | 71.8  |

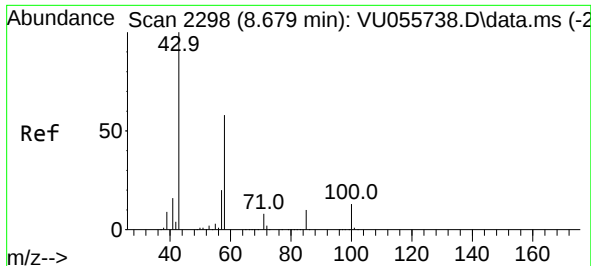


#46  
Tetrachloroethene  
Concen: 72.443 ug/L  
RT: 8.547 min Scan# 2257  
Delta R.T. -0.003 min  
Lab File: VU055753.D  
Acq: 11 Oct 2023 17:24

Tgt Ion: 164 Resp: 193120

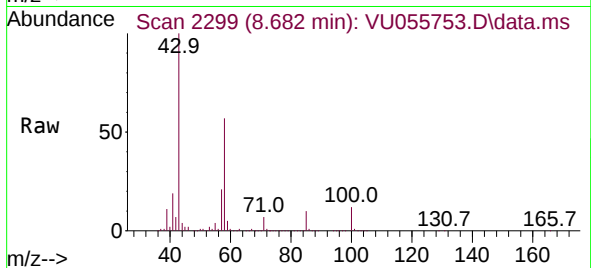
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 103.1 | 70.7  | 131.3 |
| 131 | 97.2  | 65.9  | 122.5 |
| 166 | 122.2 | 87.8  | 163.0 |



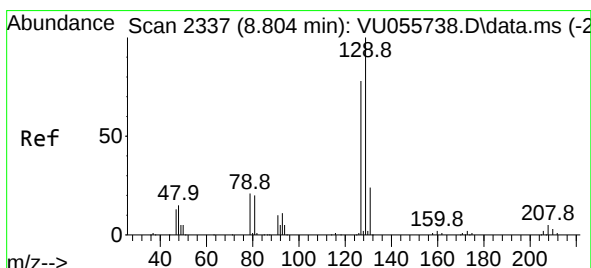
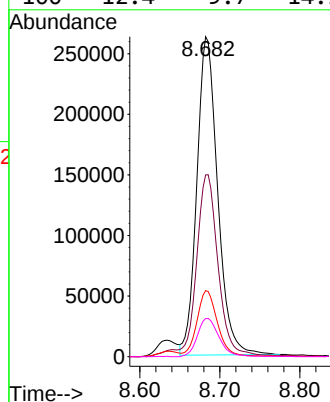
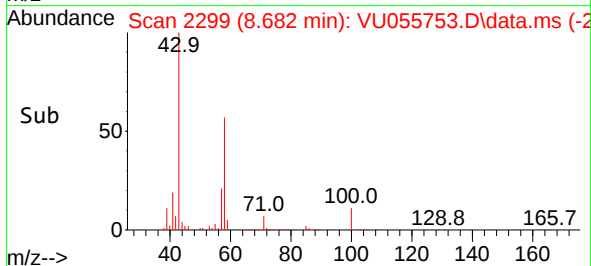


#48  
2-Hexanone  
Concen: 108.325 ug/L  
RT: 8.682 min Scan# 2299  
Delta R.T. 0.003 min  
Lab File: VU055753.D  
Acq: 11 Oct 2023 17:24

Instrument :  
MSVOA\_U  
ClientSampleId :

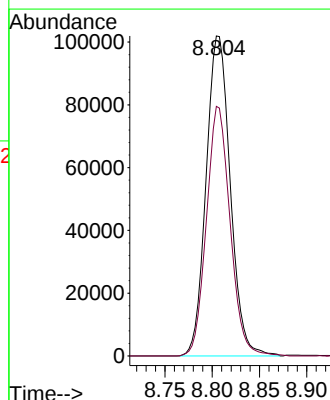
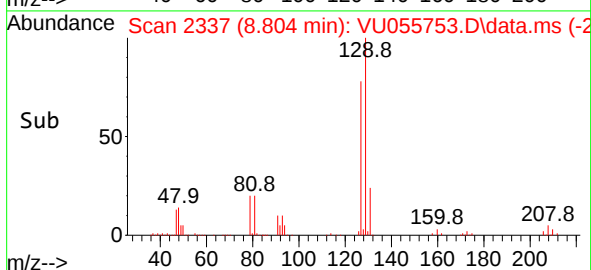
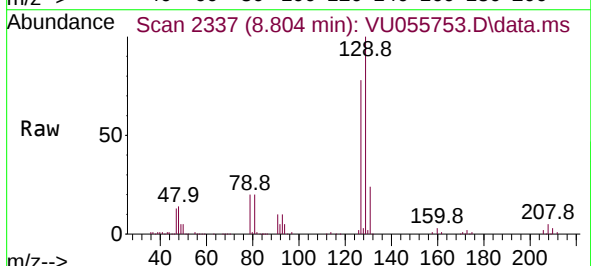


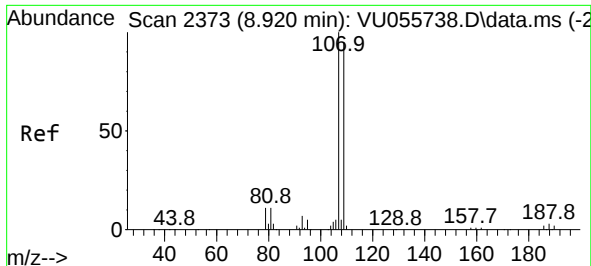
Tgt Ion: 43 Resp: 476980  
Ion Ratio Lower Upper  
43 100  
58 57.2 45.2 67.8  
57 20.7 16.1 24.1  
100 12.4 9.7 14.5



#49  
Dibromochloromethane  
Concen: 48.103 ug/L  
RT: 8.804 min Scan# 2337  
Delta R.T. 0.000 min  
Lab File: VU055753.D  
Acq: 11 Oct 2023 17:24

Tgt Ion: 129 Resp: 181605  
Ion Ratio Lower Upper  
129 100  
127 78.0 54.0 100.4





#50

1,2-Dibromoethane

Concen: 47.963 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.000 min

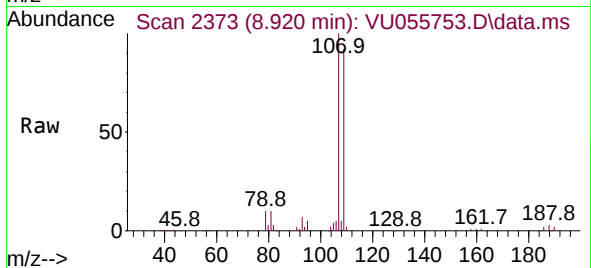
Lab File: VU055753.D

Acq: 11 Oct 2023 17:24

Instrument :

MSVOA\_U

ClientSampleId :



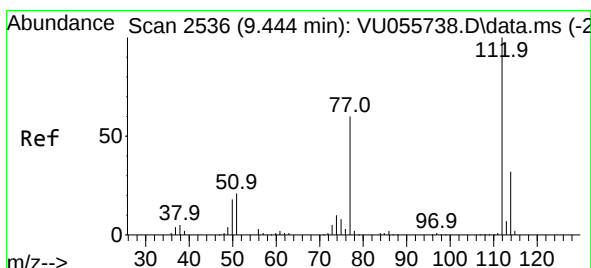
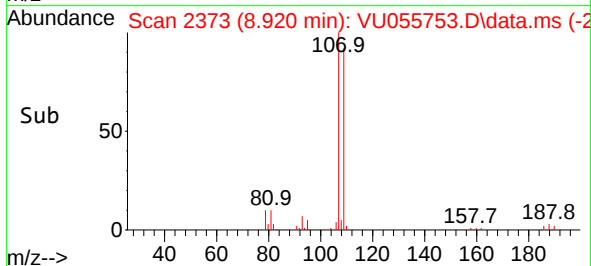
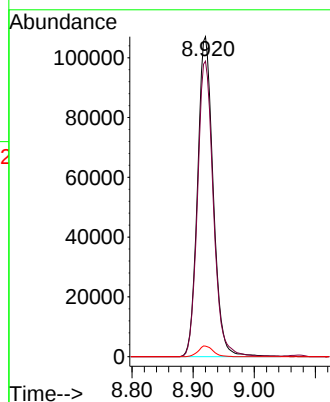
Tgt Ion:107 Resp: 190349

Ion Ratio Lower Upper

107 100

109 92.3 66.7 123.9

188 3.5 2.6 4.0



#51

Chlorobenzene

Concen: 47.486 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.000 min

Lab File: VU055753.D

Acq: 11 Oct 2023 17:24

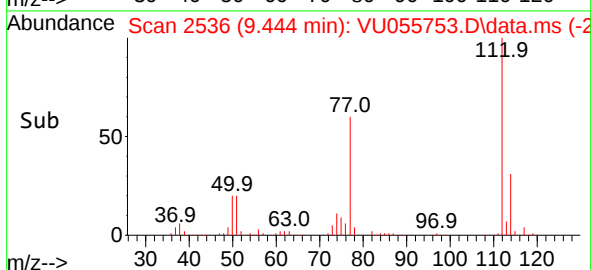
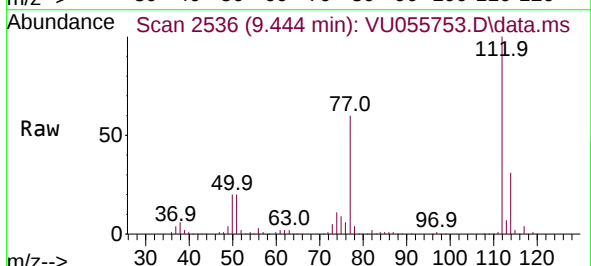
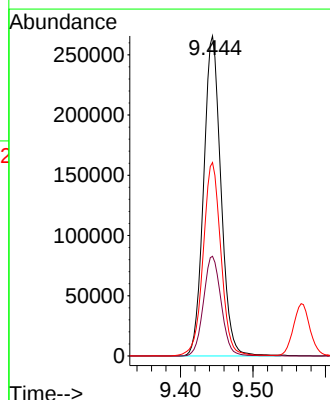
Tgt Ion:112 Resp: 441159

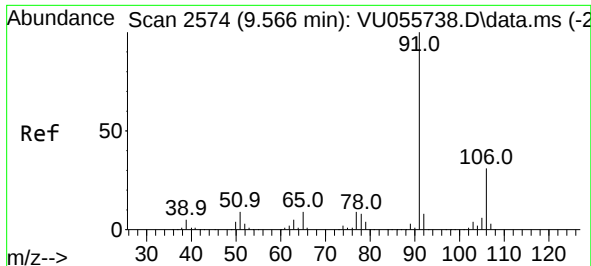
Ion Ratio Lower Upper

112 100

114 31.2 22.0 40.8

77 60.5 49.0 73.6

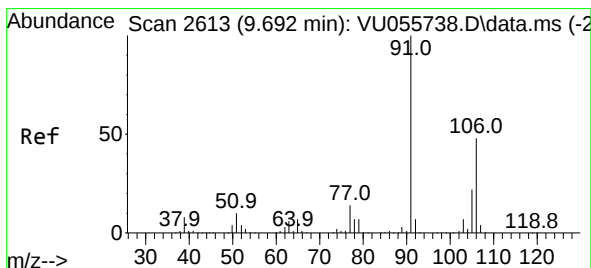
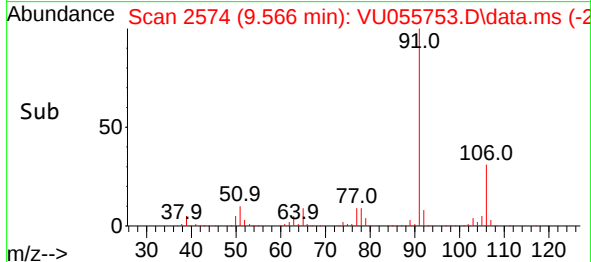
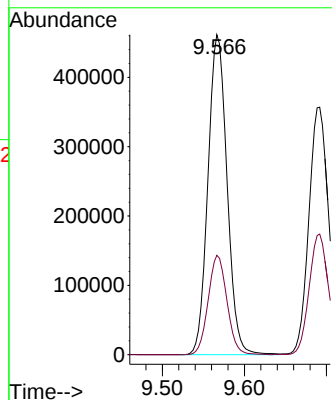
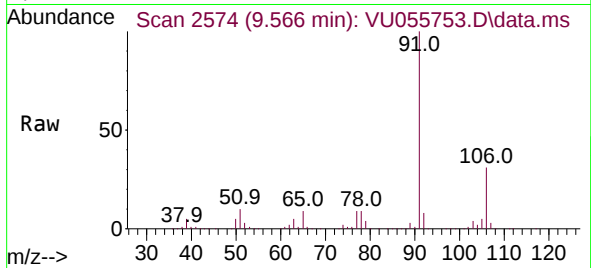




#52  
Ethylbenzene  
Concen: 47.544 ug/L  
RT: 9.566 min Scan# 2574  
Delta R.T. 0.000 min  
Lab File: VU055753.D  
Acq: 11 Oct 2023 17:24

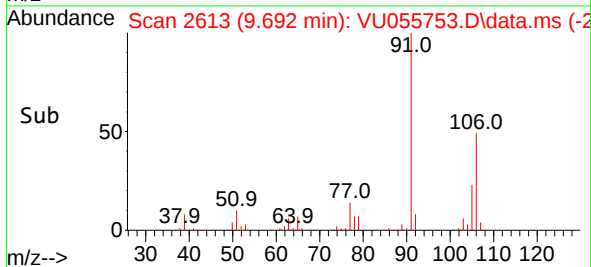
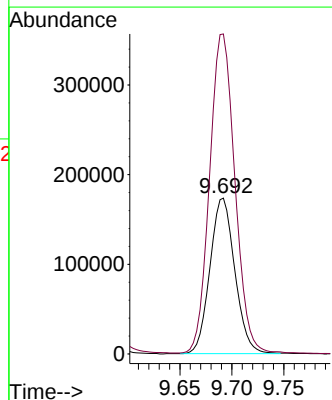
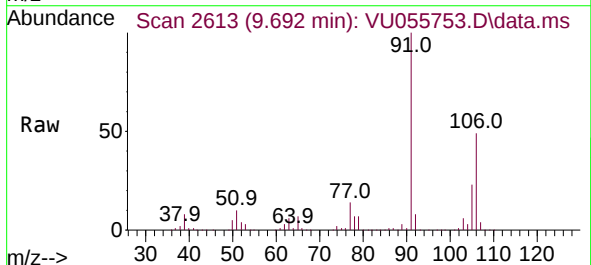
Instrument :  
MSVOA\_U  
ClientSampleId :

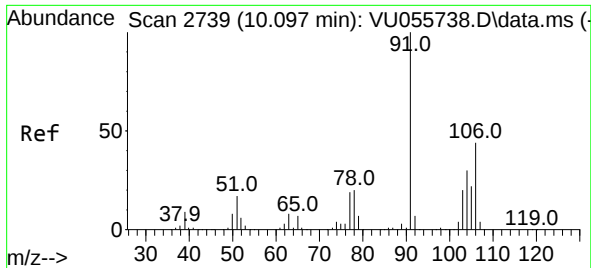
Tgt Ion: 91 Resp: 746356  
Ion Ratio Lower Upper  
91 100  
106 31.1 21.2 39.4



#53  
m,p-Xylene  
Concen: 49.082 ug/L  
RT: 9.692 min Scan# 2613  
Delta R.T. 0.000 min  
Lab File: VU055753.D  
Acq: 11 Oct 2023 17:24

Tgt Ion: 106 Resp: 288663  
Ion Ratio Lower Upper  
106 100  
91 205.3 143.8 267.0

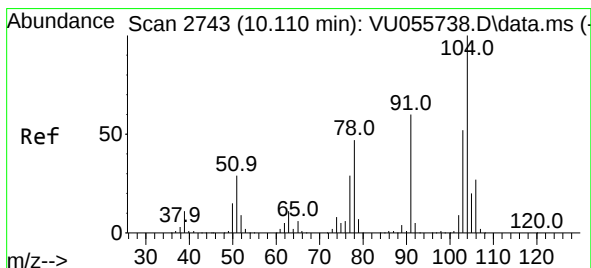
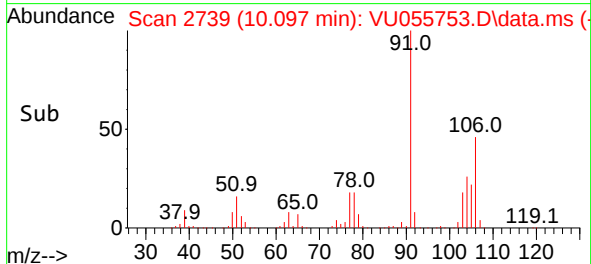
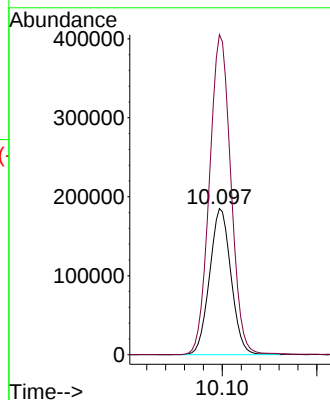
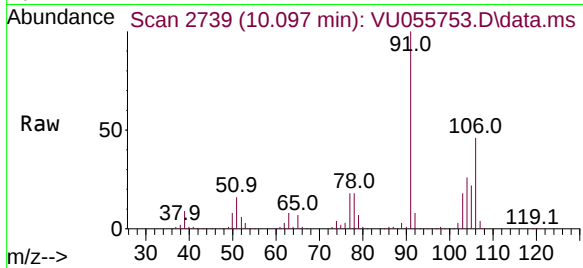




#54  
o-Xylene  
Concen: 51.158 ug/L  
RT: 10.097 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU055753.D  
Acq: 11 Oct 2023 17:24

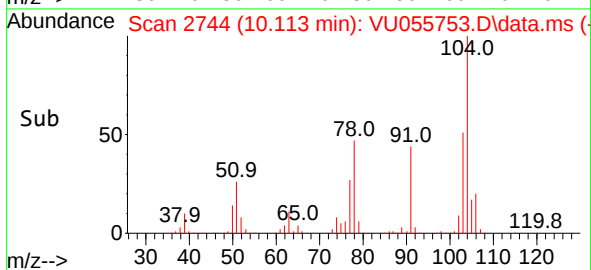
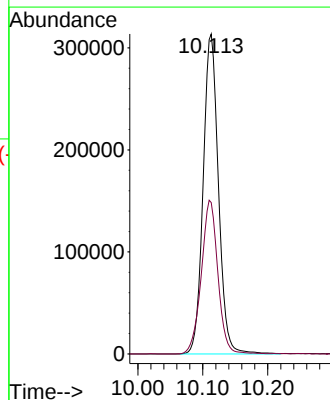
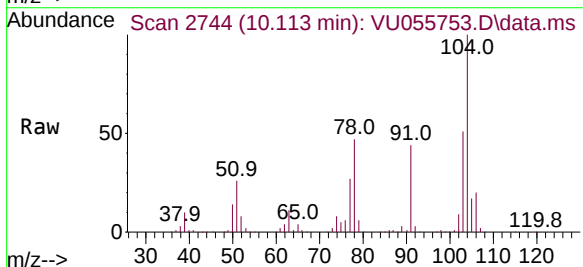
Instrument :  
MSVOA\_U  
ClientSampleId :

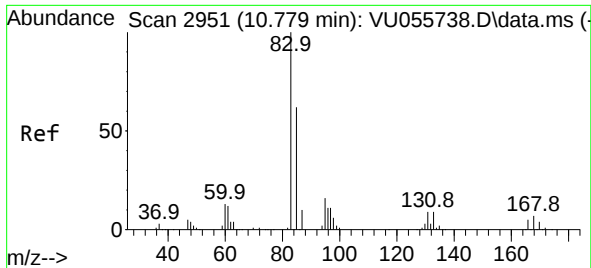
Tgt Ion:106 Resp: 291150  
Ion Ratio Lower Upper  
106 100  
91 218.9 151.8 282.0



#55  
Styrene  
Concen: 53.382 ug/L  
RT: 10.113 min Scan# 2744  
Delta R.T. 0.003 min  
Lab File: VU055753.D  
Acq: 11 Oct 2023 17:24

Tgt Ion:104 Resp: 514657  
Ion Ratio Lower Upper  
104 100  
78 47.3 33.6 62.4

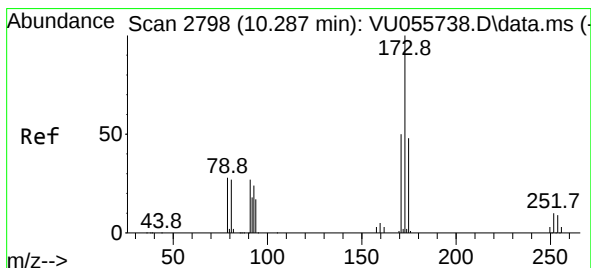
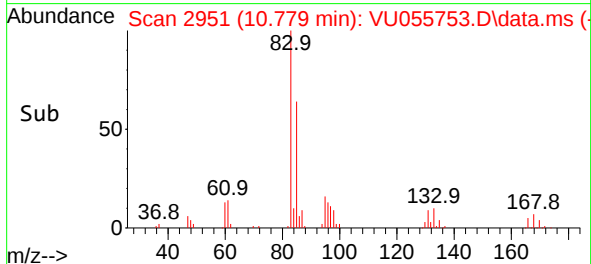
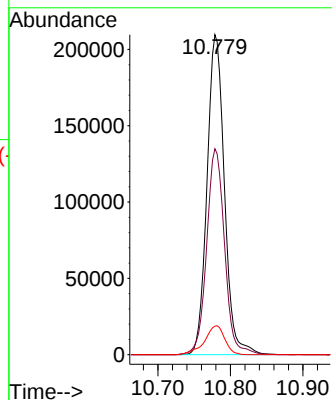
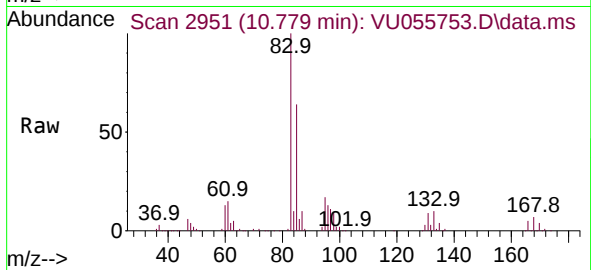




#57  
1,1,2,2-Tetrachloroethane  
Concen: 55.321 ug/L  
RT: 10.779 min Scan# 2951  
Delta R.T. 0.000 min  
Lab File: VU055753.D  
Acq: 11 Oct 2023 17:24

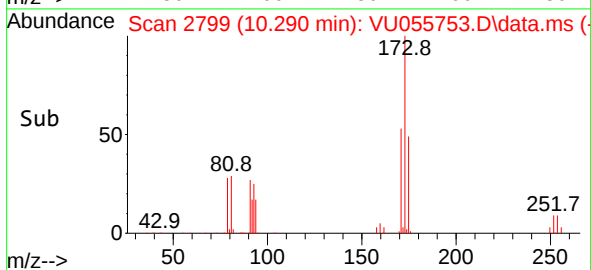
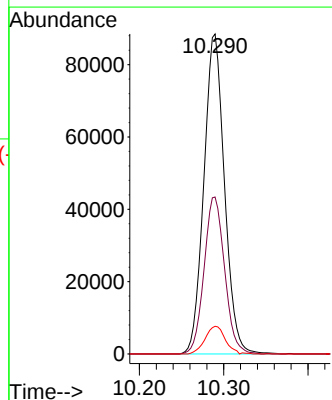
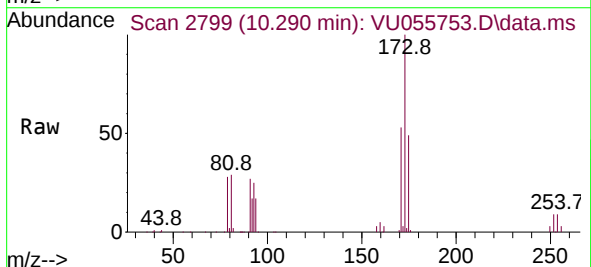
Instrument :  
MSVOA\_U  
ClientSampleId :

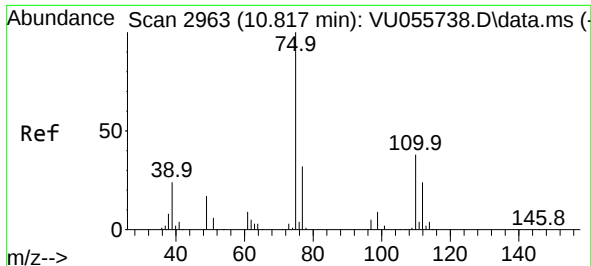
Tgt Ion: 83 Resp: 350000  
Ion Ratio Lower Upper  
83 100  
85 64.3 44.9 83.5  
131 8.9 7.3 10.9



#59  
Bromoform  
Concen: 47.682 ug/L  
RT: 10.290 min Scan# 2799  
Delta R.T. 0.003 min  
Lab File: VU055753.D  
Acq: 11 Oct 2023 17:24

Tgt Ion:173 Resp: 150845  
Ion Ratio Lower Upper  
173 100  
175 48.8 40.4 60.6  
254 8.4 7.3 10.9

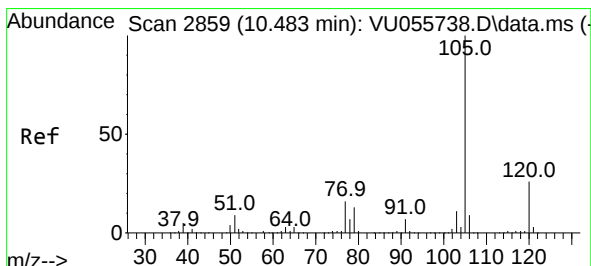
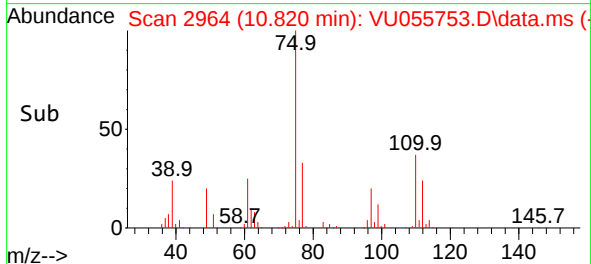
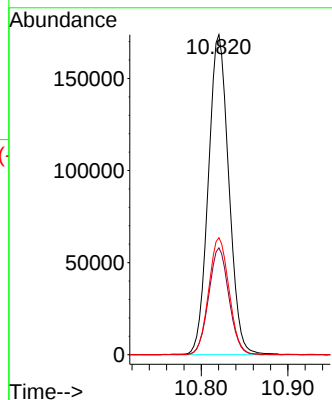
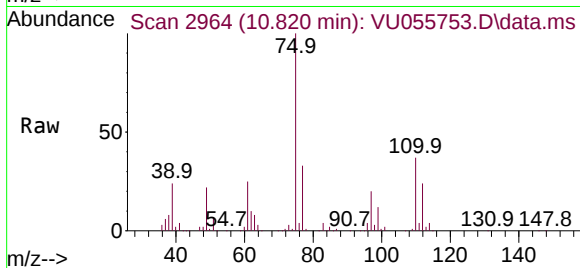




#60  
1,2,3-Trichloropropane  
Concen: 51.144 ug/L  
RT: 10.820 min Scan# 2964  
Delta R.T. 0.003 min  
Lab File: VU055753.D  
Acq: 11 Oct 2023 17:24

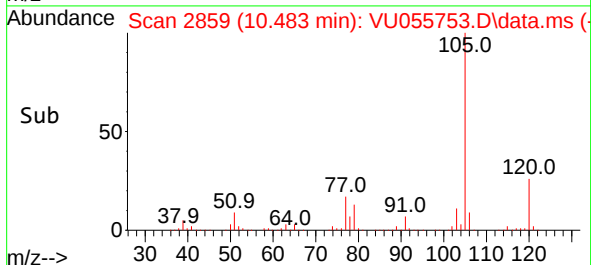
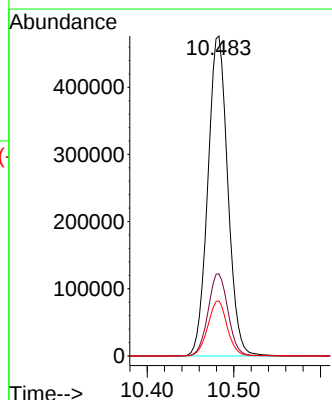
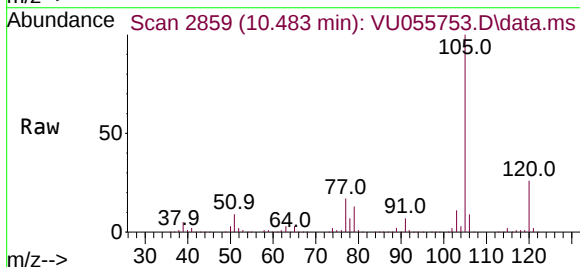
Instrument :  
MSVOA\_U  
ClientSampleId :

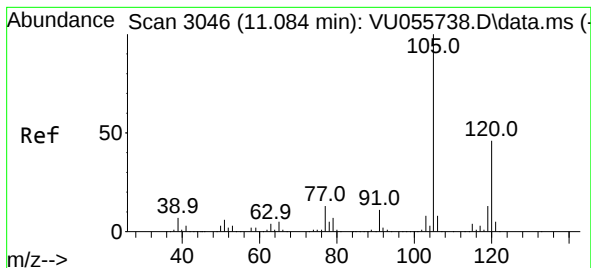
Tgt Ion: 75 Resp: 285255  
Ion Ratio Lower Upper  
75 100  
77 33.0 25.8 38.8  
110 36.5 28.5 42.7



#61  
Isopropylbenzene  
Concen: 47.533 ug/L  
RT: 10.483 min Scan# 2859  
Delta R.T. 0.000 min  
Lab File: VU055753.D  
Acq: 11 Oct 2023 17:24

Tgt Ion: 105 Resp: 761530  
Ion Ratio Lower Upper  
105 100  
120 25.7 20.6 30.8  
77 16.8 13.4 20.0





#62

1,3,5-Trimethylbenzene

Concen: 50.369 ug/L

RT: 11.087 min Scan# 3046

Delta R.T. 0.003 min

Lab File: VU055753.D

Acq: 11 Oct 2023 17:24

Instrument :

MSVOA\_U

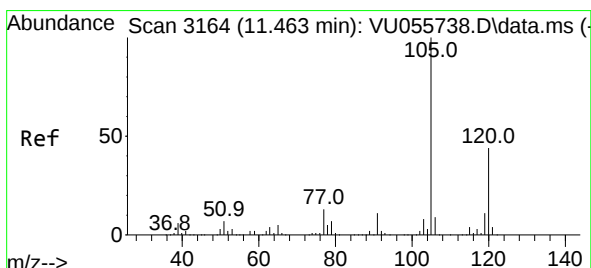
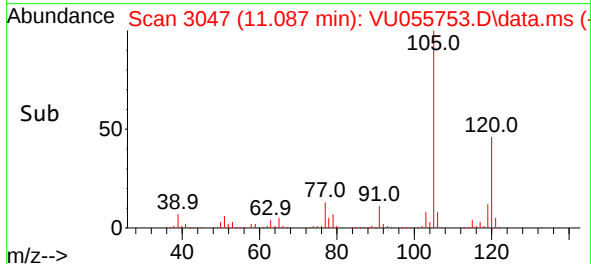
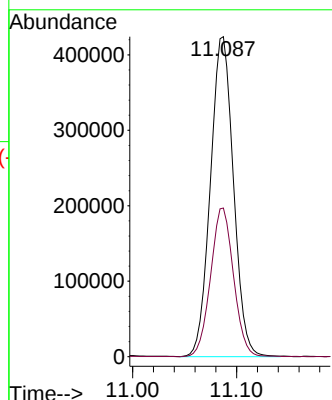
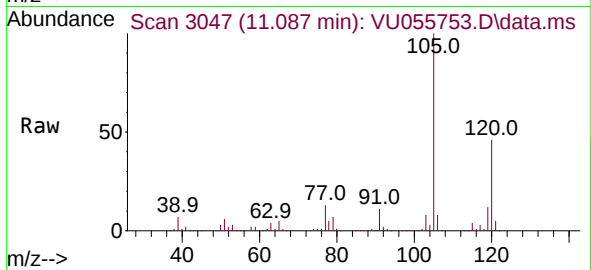
ClientSampleId :

Tgt Ion:105 Resp: 652962

Ion Ratio Lower Upper

105 100

120 46.3 37.7 56.5



#63

1,2,4-Trimethylbenzene

Concen: 50.148 ug/L

RT: 11.467 min Scan# 3165

Delta R.T. 0.003 min

Lab File: VU055753.D

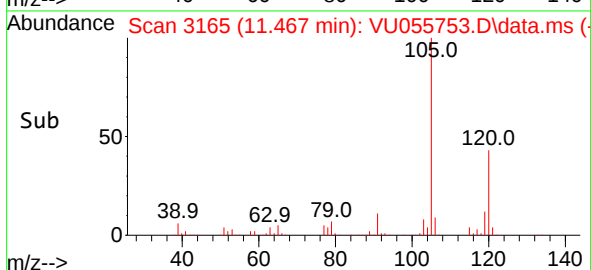
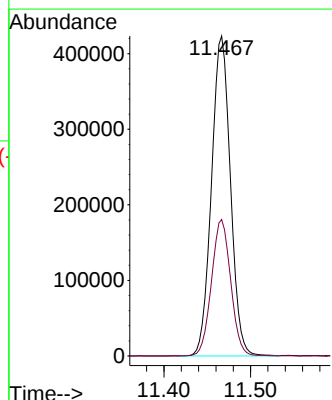
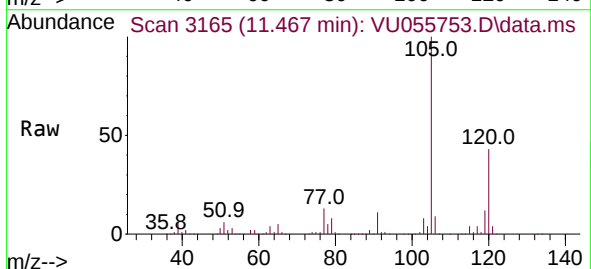
Acq: 11 Oct 2023 17:24

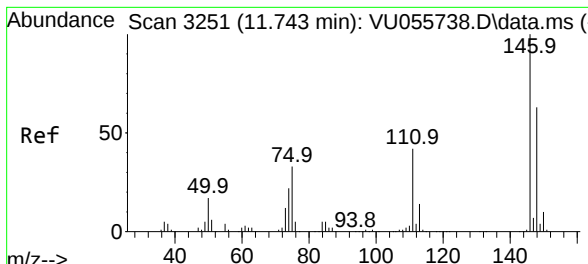
Tgt Ion:105 Resp: 642835

Ion Ratio Lower Upper

105 100

120 43.3 35.0 52.4





#64

1,3-Dichlorobenzene

Concen: 47.181 ug/L

RT: 11.743 min Scan# 3251

Delta R.T. 0.000 min

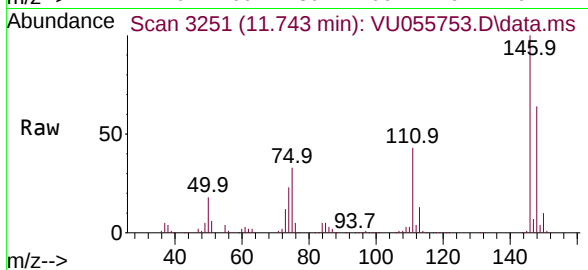
Lab File: VU055753.D

Acq: 11 Oct 2023 17:24

Instrument :

MSVOA\_U

ClientSampleId :



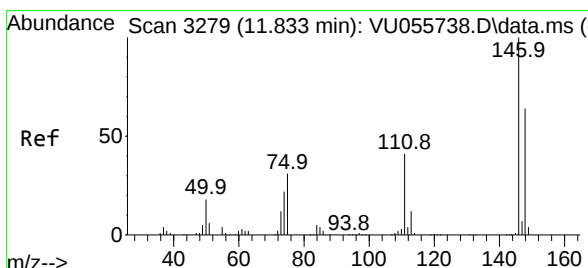
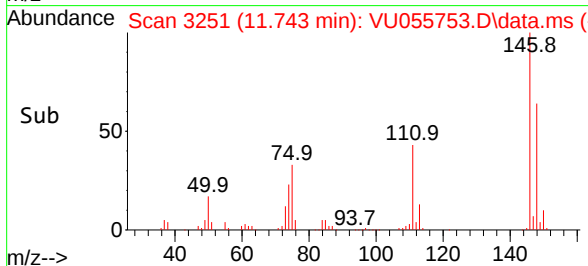
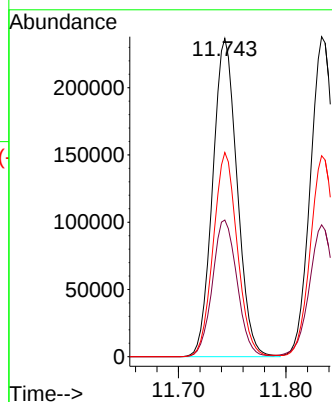
Tgt Ion:146 Resp: 373667

Ion Ratio Lower Upper

146 100

111 42.9 29.7 55.1

148 64.1 45.0 83.6



#65

1,4-Dichlorobenzene

Concen: 46.786 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. 0.000 min

Lab File: VU055753.D

Acq: 11 Oct 2023 17:24

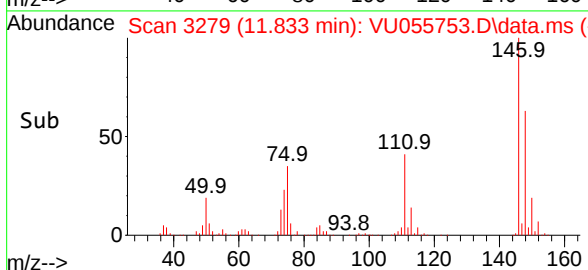
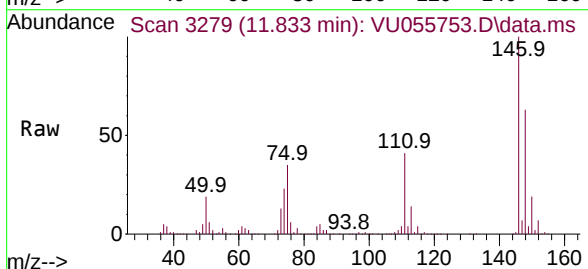
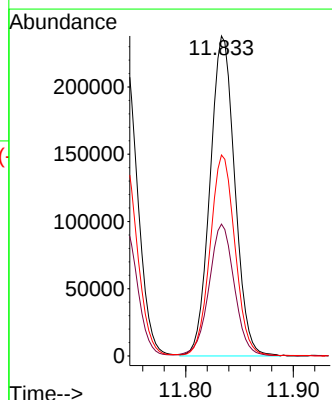
Tgt Ion:146 Resp: 380967

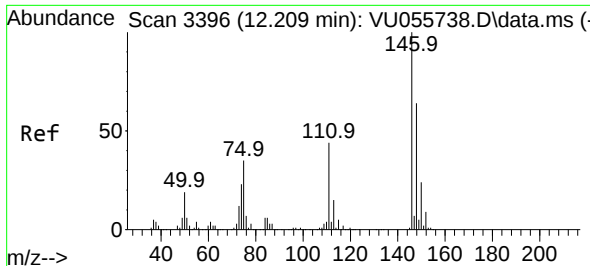
Ion Ratio Lower Upper

146 100

111 41.2 28.6 53.0

148 62.8 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 48.832 ug/L

RT: 12.209 min Scan# 3396

Delta R.T. 0.000 min

Lab File: VU055753.D

Acq: 11 Oct 2023 17:24

Instrument :

MSVOA\_U

ClientSampleId :

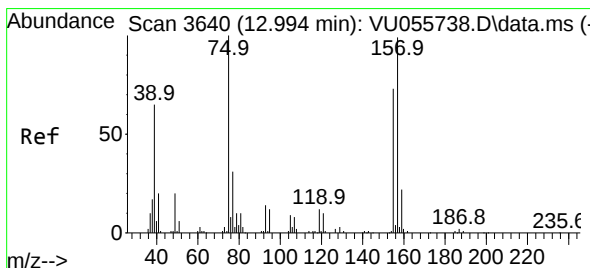
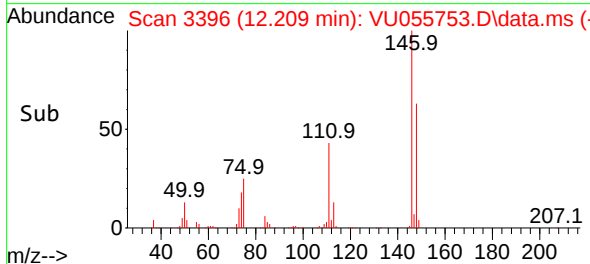
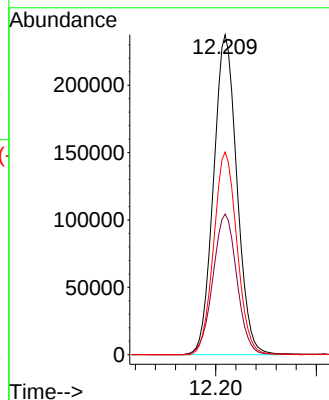
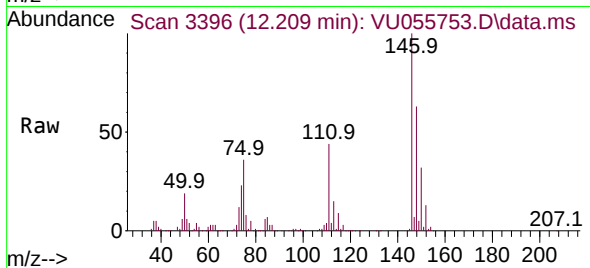
Tgt Ion:146 Resp: 383797

Ion Ratio Lower Upper

146 100

111 43.9 35.2 52.8

148 63.4 52.3 78.5



#68

1,2-Dibromo-3-chloropropane

Concen: 45.503 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.000 min

Lab File: VU055753.D

Acq: 11 Oct 2023 17:24

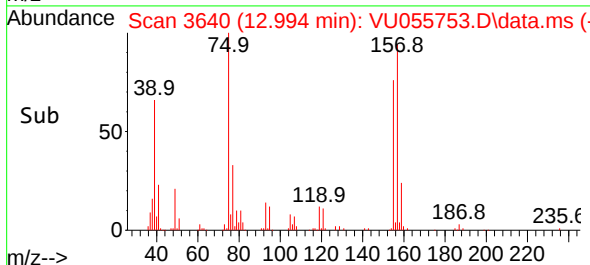
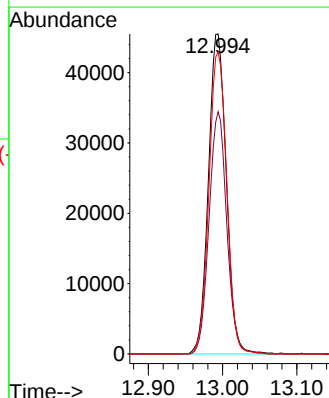
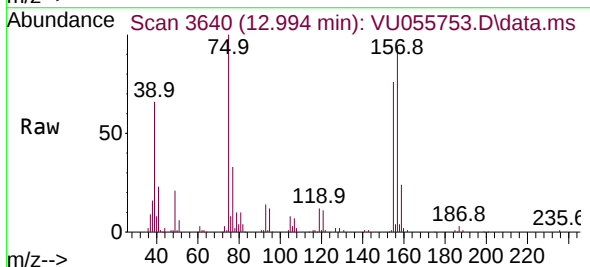
Tgt Ion: 75 Resp: 75874

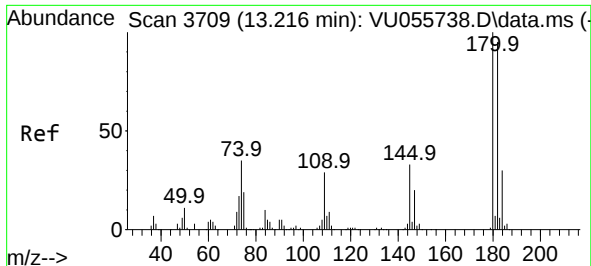
Ion Ratio Lower Upper

75 100

155 75.7 59.6 89.4

157 98.3 77.7 116.5





#69

1,3,5-Trichlorobenzene

Concen: 42.318 ug/L

RT: 13.216 min Scan# 31

Delta R.T. 0.000 min

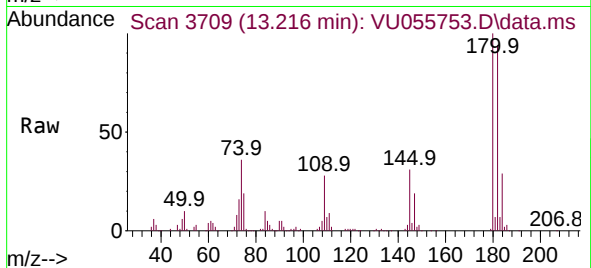
Lab File: VU055753.D

Acq: 11 Oct 2023 17:24

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion:180 Resp: 223556

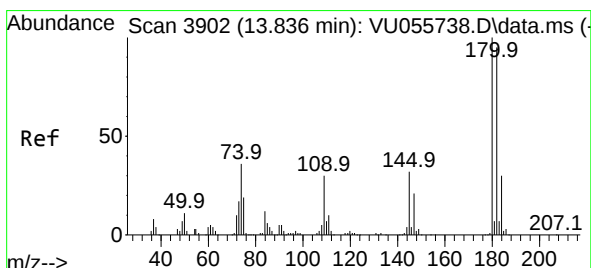
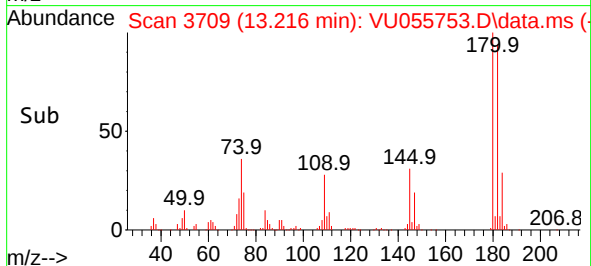
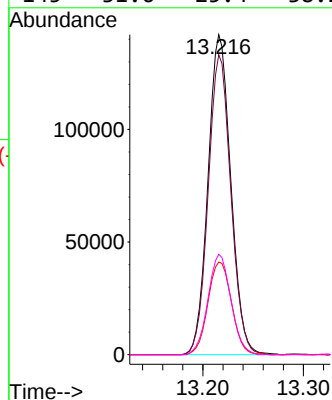
Ion Ratio Lower Upper

180 100

182 93.1 76.2 114.2

184 30.0 23.9 35.9

145 31.6 25.4 38.2



#70

1,2,4-trichlorobenzene

Concen: 38.834 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.000 min

Lab File: VU055753.D

Acq: 11 Oct 2023 17:24

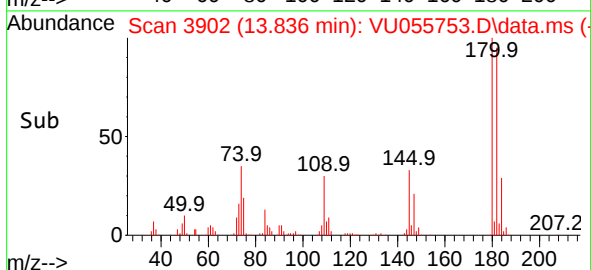
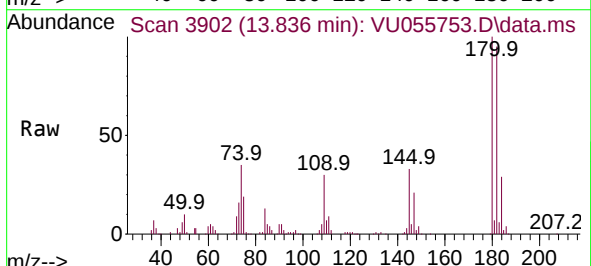
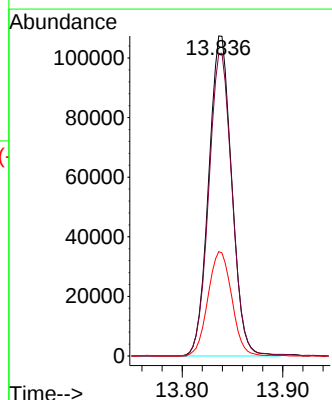
Tgt Ion:180 Resp: 170879

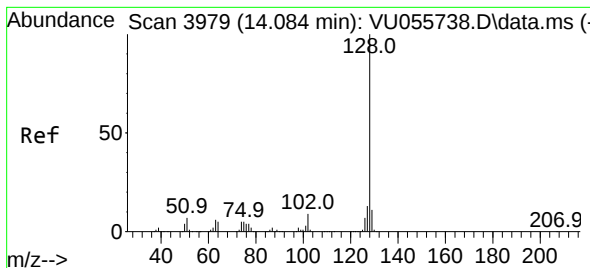
Ion Ratio Lower Upper

180 100

182 95.7 75.4 113.2

145 33.7 26.1 39.1





#71

Naphthalene

Concen: 41.687 ug/L

RT: 14.084 min Scan# 3979

Delta R.T. 0.000 min

Lab File: VU055753.D

Acq: 11 Oct 2023 17:24

Instrument :

MSVOA\_U

ClientSampleId :

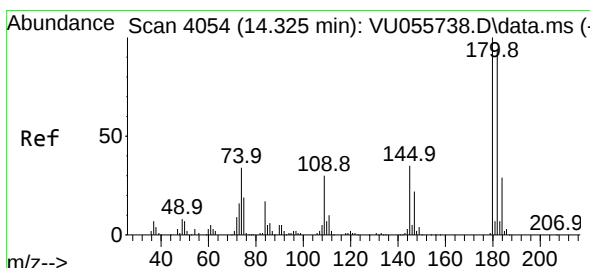
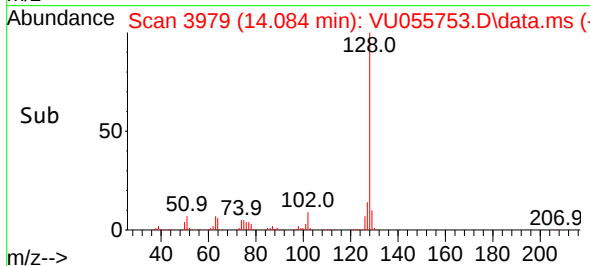
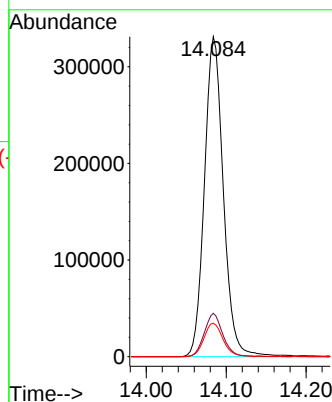
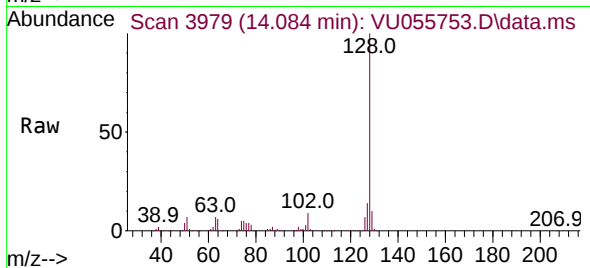
Tgt Ion:128 Resp: 544893

Ion Ratio Lower Upper

128 100

127 13.3 10.6 16.0

129 10.6 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 40.880 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU055753.D

Acq: 11 Oct 2023 17:24

Tgt Ion:180 Resp: 177354

Ion Ratio Lower Upper

180 100

182 94.9 78.1 117.1

145 35.1 27.4 41.0

