

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU111423\  
 Data File : VU056347.D  
 Acq On : 15 Nov 2023 09:43  
 Operator : MD/SY  
 Sample : VSTDCCC005EC  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Nov 16 01:27:44 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111323WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Nov 15 03:03:12 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114   | 290290   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.415  | 117   | 278224   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 138784   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.599  | 65    | 92069    | 4.240    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 84.800%  |
| 7) Chloroethane-d5            | 1.911  | 69    | 76894    | 4.619    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 92.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65    | 44077    | 4.600    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 92.000%  |
| 20) 2-Butanone-d5             | 4.621  | 46    | 205024   | 47.355   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 94.700%  |
| 24) Chloroform-d              | 5.058  | 84    | 204544   | 4.870    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 97.400%  |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 95590    | 4.926    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 98.600%  |
| 32) Benzene-d6                | 5.721  | 84    | 391196   | 4.719    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 94.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.685  | 67    | 117945   | 4.721    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 94.400%  |
| 41) Toluene-d8                | 7.894  | 98    | 346292   | 4.731    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 94.600%  |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79    | 46245    | 4.826    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 96.600%  |
| 46) 2-Hexanone-d5             | 8.631  | 63    | 185621   | 49.297   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 98.600%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753 | 84    | 88629    | 4.965    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 99.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152   | 116077   | 4.527    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 90.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.383  | 85    | 124424   | 5.410    | ug/L   | 97       |
| 3) Chloromethane              | 1.518  | 50    | 121950   | 5.188    | ug/L   | 96       |
| 5) Vinyl chloride             | 1.602  | 62    | 117093   | 5.171    | ug/L   | 99       |
| 6) Bromomethane               | 1.856  | 94    | 59306    | 5.174    | ug/L   | 96       |
| 8) Chloroethane               | 1.930  | 64    | 73703    | 5.328    | ug/L   | 94       |
| 9) Trichlorofluoromethane     | 2.136  | 101   | 190722   | 5.844    | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.579  | 101   | 110334   | 5.695    | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.576  | 96    | 99438    | 5.596    | ug/L   | 99       |
| 13) Acetone                   | 2.631  | 43    | 172047   | 46.657   | ug/L   | 97       |
| 14) Carbon disulfide          | 2.792  | 76    | 299418   | 5.178    | ug/L   | 98       |
| 15) Methyl Acetate            | 2.949  | 43    | 35165    | 5.359    | ug/L   | 97       |
| 16) Methylene chloride        | 3.042  | 84    | 109205   | 4.644    | ug/L   | 98       |
| 17) Methyl tert-butyl Ether   | 3.357  | 73    | 233468   | 5.408    | ug/L   | 98       |
| 18) trans-1,2-Dichloroethene  | 3.348  | 96    | 102587   | 5.611    | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.862  | 63    | 200783   | 5.544    | ug/L   | 100      |
| 21) 2-Butanone                | 4.698  | 43    | 230351   | 48.141   | ug/L   | 99       |
| 22) cis-1,2-Dichloroethene    | 4.660  | 96    | 112378   | 5.420    | ug/L   | 98       |
| 23) Bromochloromethane        | 4.968  | 128   | 47641    | 5.582    | ug/L   | 97       |
| 25) Chloroform                | 5.081  | 83    | 208972   | 5.326    | ug/L   | 99       |

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 Operator : MD/SY  
 Sample : VSTDCCC005EC  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 21 Sample Multiplier: 1

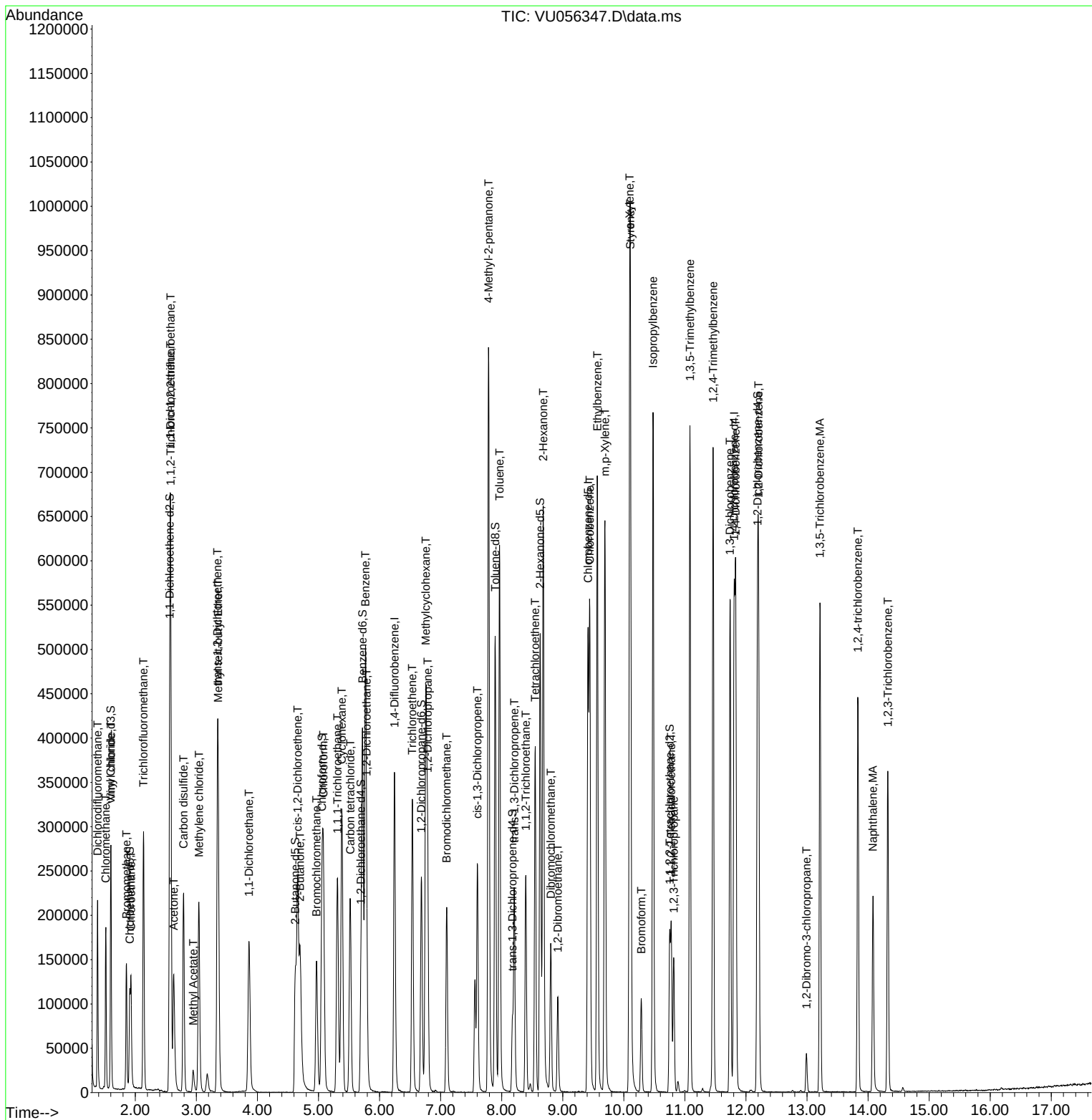
Instrument :  
 MSVOA\_U  
 ClientSampleId :

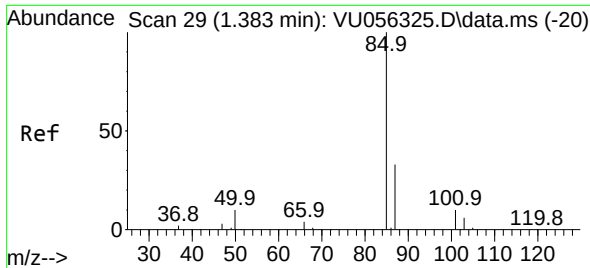
Quant Time: Nov 16 01:27:44 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111323WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Nov 15 03:03:12 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.788  | 62   | 125589   | 5.637  | ug/L  | 96       |
| 29) 1,1,1-Trichloroethane     | 5.312  | 97   | 180498   | 5.652  | ug/L  | 100      |
| 30) Cyclohexane               | 5.383  | 56   | 160944   | 5.310  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.521  | 117  | 154716   | 5.640  | ug/L  | 97       |
| 33) Benzene                   | 5.769  | 78   | 442405   | 5.573  | ug/L  | 100      |
| 34) Trichloroethene           | 6.537  | 95   | 119028   | 5.503  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.759  | 83   | 172742   | 5.532  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.788  | 63   | 116852   | 5.644  | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.100  | 83   | 140431   | 5.254  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.602  | 75   | 162999   | 5.358  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.785  | 43   | 535477   | 52.178 | ug/L  | 99       |
| 42) Toluene                   | 7.965  | 91   | 462202   | 5.624  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.206  | 75   | 133761   | 5.516  | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 8.396  | 97   | 76682    | 5.562  | ug/L  | 95       |
| 47) Tetrachloroethene         | 8.550  | 164  | 82397    | 5.649  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.682  | 43   | 410177   | 51.305 | ug/L  | 100      |
| 49) Dibromochloromethane      | 8.804  | 129  | 84536    | 5.392  | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 8.920  | 107  | 68866    | 5.291  | ug/L  | 100      |
| 51) Chlorobenzene             | 9.444  | 112  | 291711   | 5.524  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.566  | 91   | 513648   | 5.628  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.692  | 106  | 193172   | 5.757  | ug/L  | 99       |
| 54) o-Xylene                  | 10.097 | 106  | 183240   | 5.622  | ug/L  | 98       |
| 55) Styrene                   | 10.110 | 104  | 310029   | 5.719  | ug/L  | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 92974    | 5.523  | ug/L  | 94       |
| 59) Bromoform                 | 10.286 | 173  | 47566    | 5.502  | ug/L  | 99       |
| 60) Isopropylbenzene          | 10.479 | 105  | 496376   | 5.546  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.817 | 75   | 63804    | 5.358  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 407913   | 5.551  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 404112   | 5.571  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.740 | 146  | 229009   | 5.625  | ug/L  | 97       |
| 65) 1,4-Dichlorobenzene       | 11.833 | 146  | 222386   | 5.445  | ug/L  | 97       |
| 67) 1,2-Dichlorobenzene       | 12.206 | 146  | 207371   | 5.552  | ug/L  | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 12.991 | 75   | 11537    | 4.536  | ug/L  | 93       |
| 69) 1,3,5-Trichlorobenzene    | 13.212 | 180  | 166579   | 5.434  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.833 | 180  | 127807   | 5.119  | ug/L  | 100      |
| 71) Naphthalene               | 14.081 | 128  | 183338   | 4.860  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 109800   | 5.339  | ug/L  | 95       |

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

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QLast Update : Wed Nov 15 03:03:12 2023  
Response via : Initial Calibration

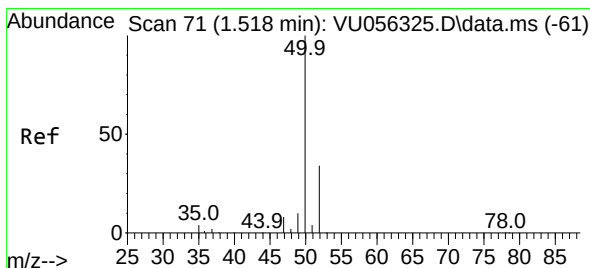
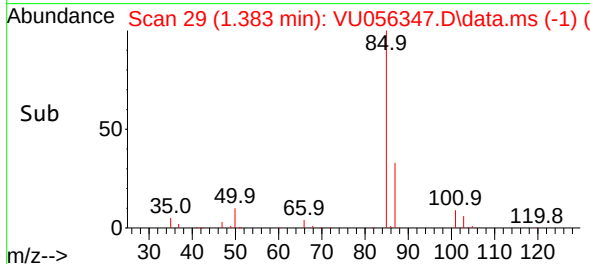
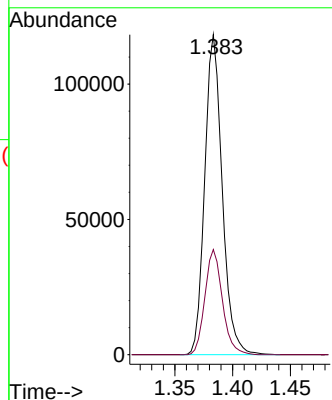
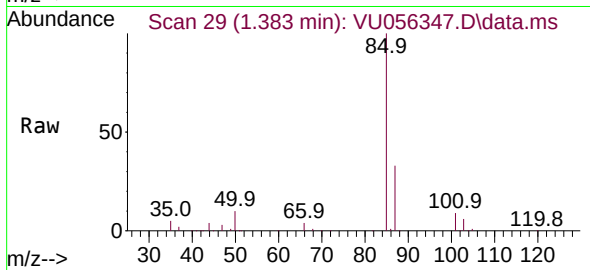




#2  
 Dichlorodifluoromethane  
 Concen: 5.410 ug/L  
 RT: 1.383 min Scan# 29  
 Delta R.T. -0.000 min  
 Lab File: VU056347.D  
 Acq: 15 Nov 2023 09:43

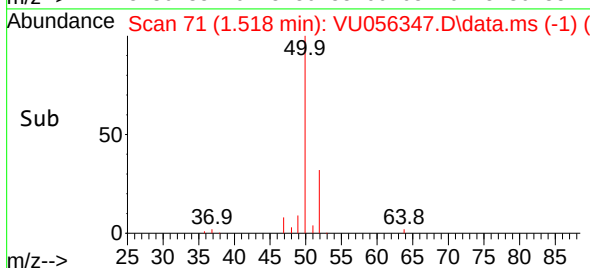
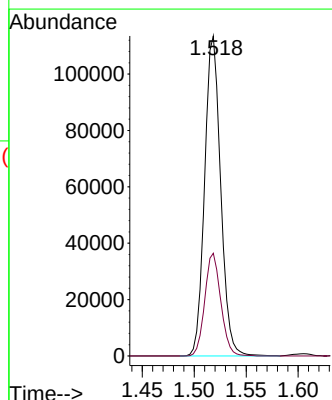
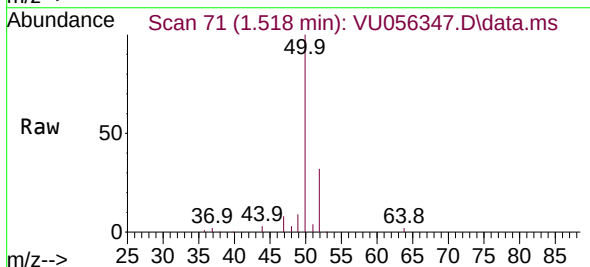
Instrument :  
 MSVOA\_U  
 ClientSampleId :

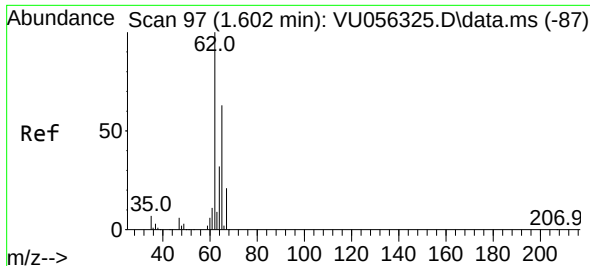
Tgt Ion: 85 Resp: 124424  
 Ion Ratio Lower Upper  
 85 100  
 87 32.8 25.0 37.4



#3  
 Chloromethane  
 Concen: 5.188 ug/L  
 RT: 1.518 min Scan# 71  
 Delta R.T. -0.000 min  
 Lab File: VU056347.D  
 Acq: 15 Nov 2023 09:43

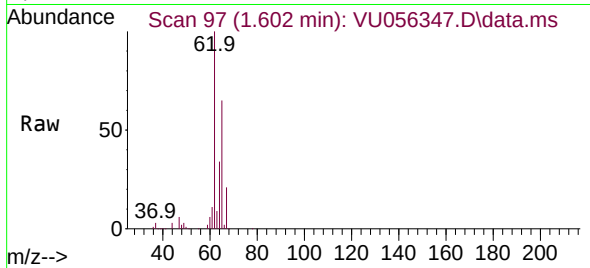
Tgt Ion: 50 Resp: 121950  
 Ion Ratio Lower Upper  
 50 100  
 52 32.1 24.3 45.1



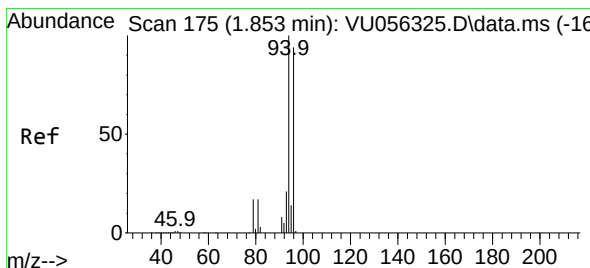
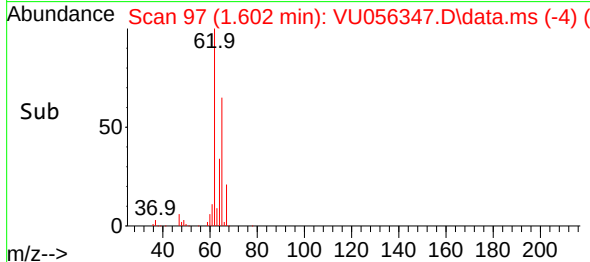
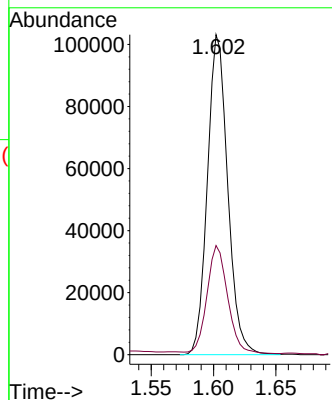


#5  
 Vinyl chloride  
 Concen: 5.171 ug/L  
 RT: 1.602 min Scan# 91  
 Delta R.T. -0.000 min  
 Lab File: VU056347.D  
 Acq: 15 Nov 2023 09:43

Instrument :  
 MSVOA\_U  
 ClientSampleId :

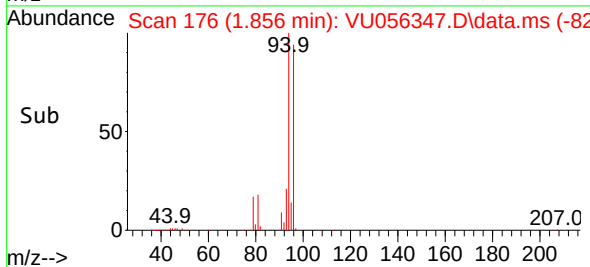
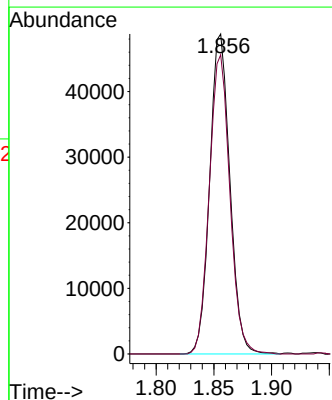
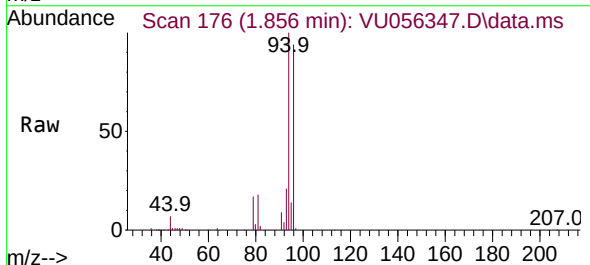


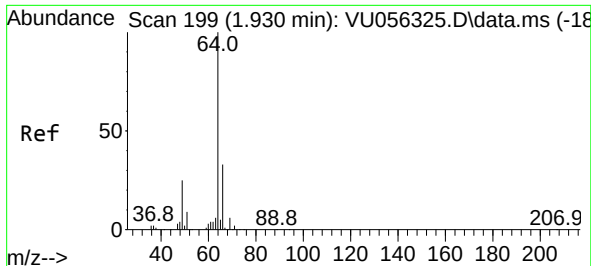
Tgt Ion: 62 Resp: 117093  
 Ion Ratio Lower Upper  
 62 100  
 64 34.1 23.3 43.3



#6  
 Bromomethane  
 Concen: 5.174 ug/L  
 RT: 1.856 min Scan# 176  
 Delta R.T. 0.003 min  
 Lab File: VU056347.D  
 Acq: 15 Nov 2023 09:43

Tgt Ion: 94 Resp: 59306  
 Ion Ratio Lower Upper  
 94 100  
 96 93.5 62.6 116.2

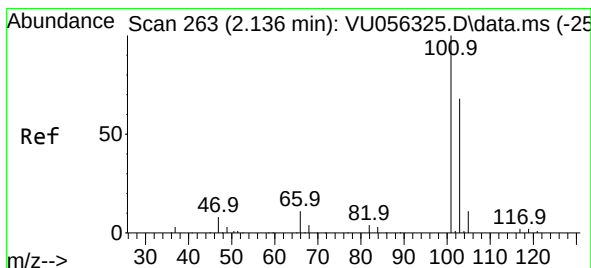
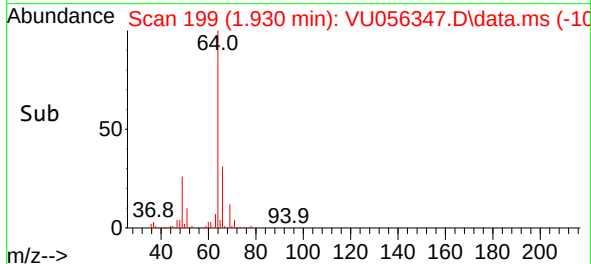
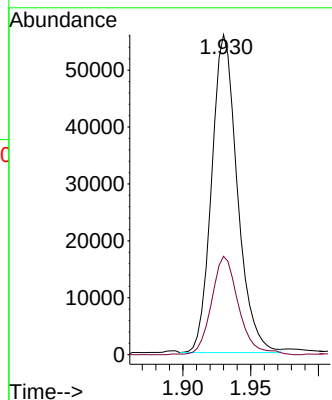
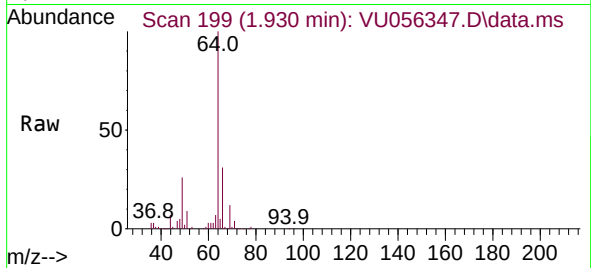




#8  
Chloroethane  
Concen: 5.328 ug/L  
RT: 1.930 min Scan# 199  
Delta R.T. -0.000 min  
Lab File: VU056347.D  
Acq: 15 Nov 2023 09:43

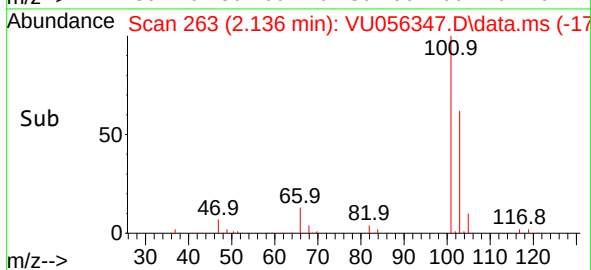
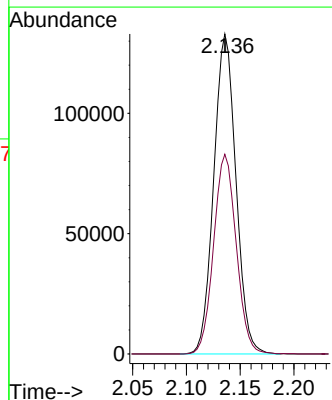
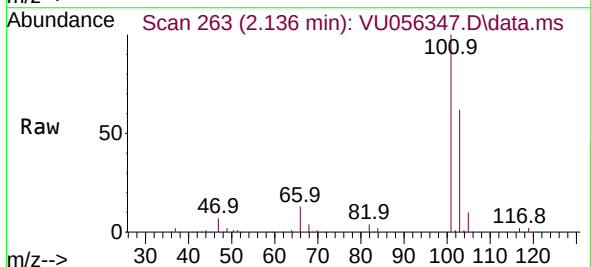
Instrument :  
MSVOA\_U  
ClientSampleId :

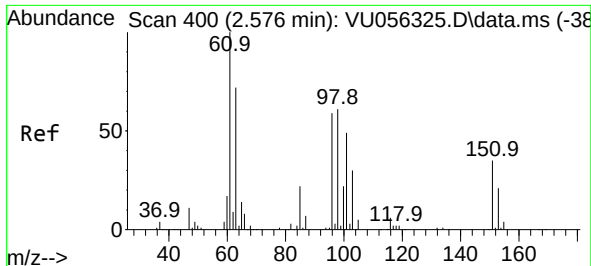
Tgt Ion: 64 Resp: 73703  
Ion Ratio Lower Upper  
64 100  
66 30.8 23.9 44.5



#9  
Trichlorofluoromethane  
Concen: 5.844 ug/L  
RT: 2.136 min Scan# 263  
Delta R.T. -0.000 min  
Lab File: VU056347.D  
Acq: 15 Nov 2023 09:43

Tgt Ion: 101 Resp: 190722  
Ion Ratio Lower Upper  
101 100  
103 63.6 52.0 78.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 5.695 ug/L

RT: 2.579 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU056347.D

Acq: 15 Nov 2023 09:43

Instrument :

MSVOA\_U

ClientSampleId :

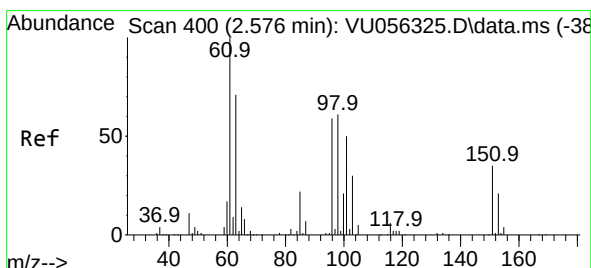
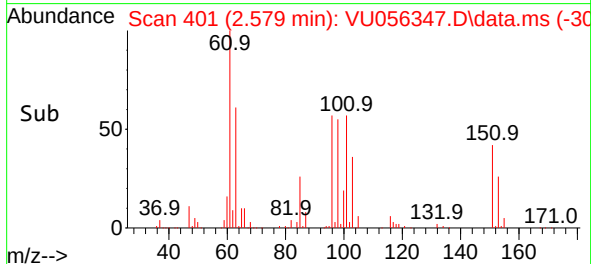
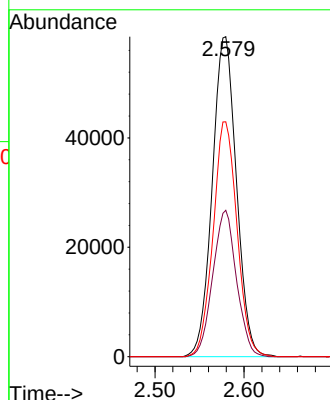
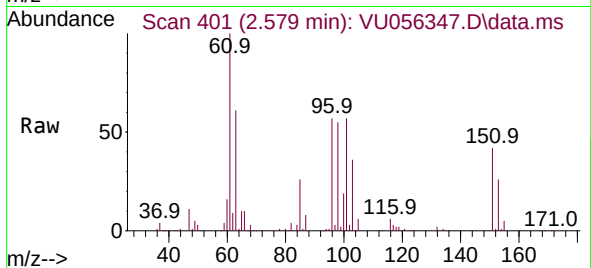
Tgt Ion:101 Resp: 110334

Ion Ratio Lower Upper

101 100

85 44.9 35.4 53.0

151 72.7 58.0 87.0



#12

1,1-Dichloroethene

Concen: 5.596 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU056347.D

Acq: 15 Nov 2023 09:43

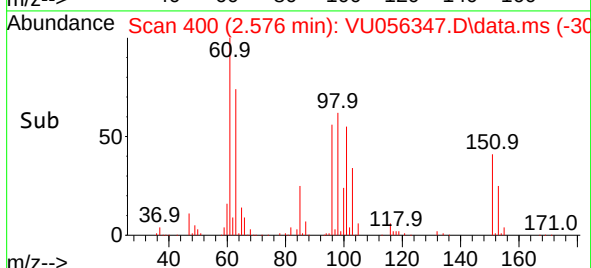
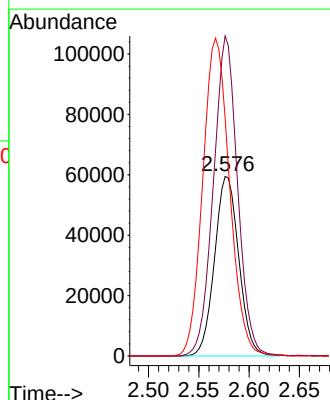
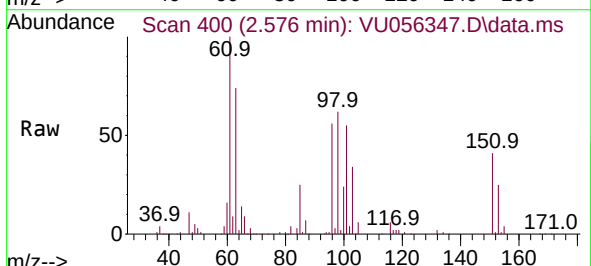
Tgt Ion: 96 Resp: 99438

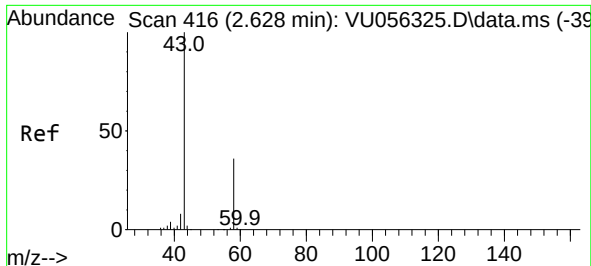
Ion Ratio Lower Upper

96 100

61 178.2 123.1 228.7

63 132.3 93.3 173.3





#13

Acetone

Concen: 46.657 ug/L

RT: 2.631 min Scan# 416

Delta R.T. 0.003 min

Lab File: VU056347.D

Acq: 15 Nov 2023 09:43

Instrument :

MSVOA\_U

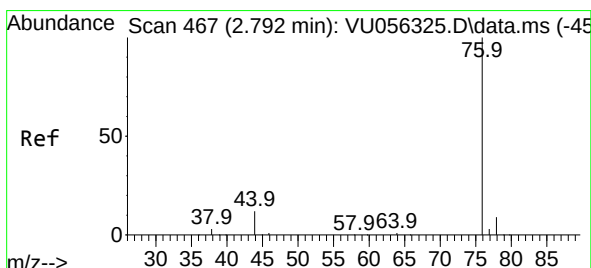
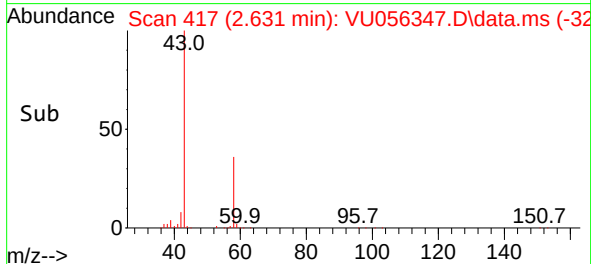
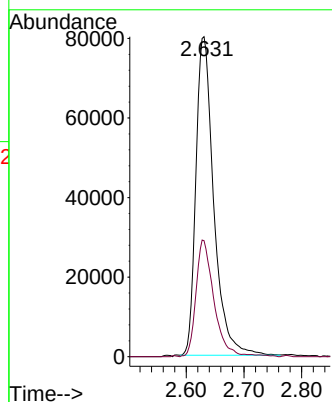
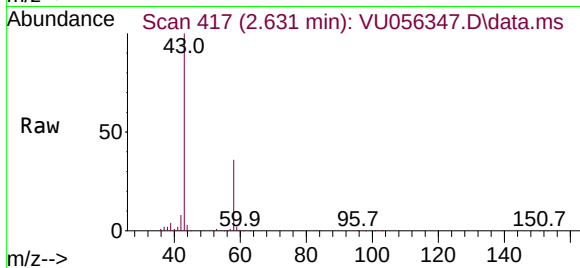
ClientSampleId :

Tgt Ion: 43 Resp: 172047

Ion Ratio Lower Upper

43 100

58 36.6 0.0 70.0



#14

Carbon disulfide

Concen: 5.178 ug/L

RT: 2.792 min Scan# 467

Delta R.T. -0.000 min

Lab File: VU056347.D

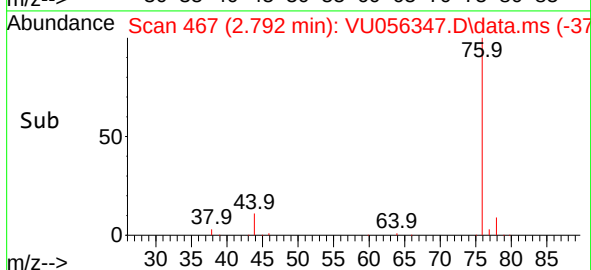
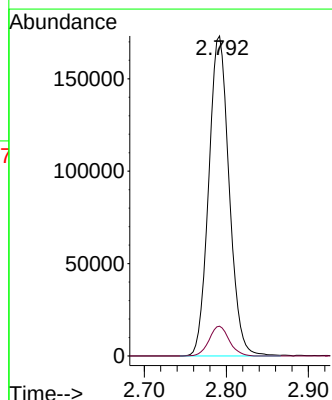
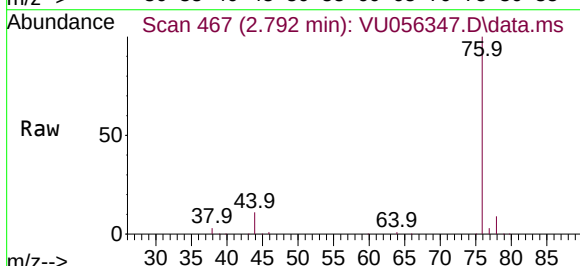
Acq: 15 Nov 2023 09:43

Tgt Ion: 76 Resp: 299418

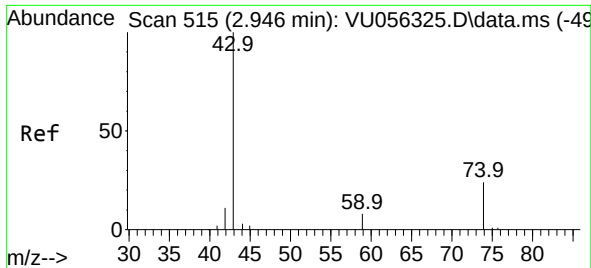
Ion Ratio Lower Upper

76 100

78 9.3 6.8 10.2



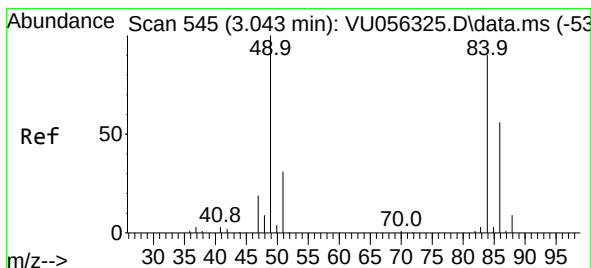
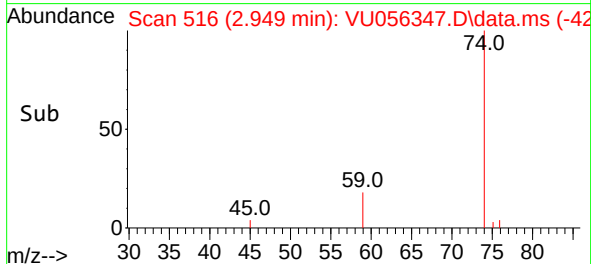
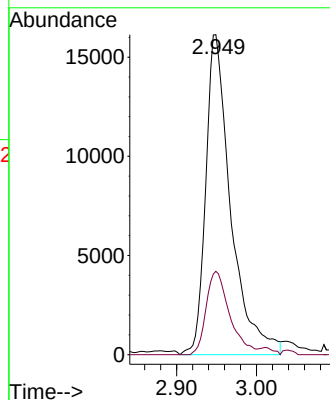
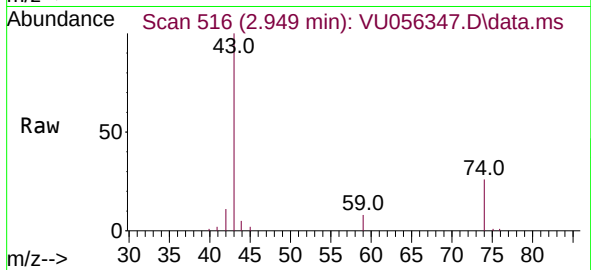




#15  
Methyl Acetate  
Concen: 5.359 ug/L  
RT: 2.949 min Scan# 515  
Delta R.T. 0.003 min  
Lab File: VU056347.D  
Acq: 15 Nov 2023 09:43

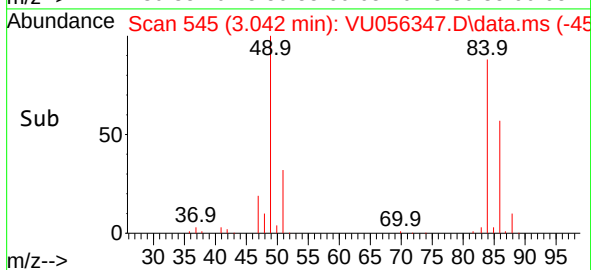
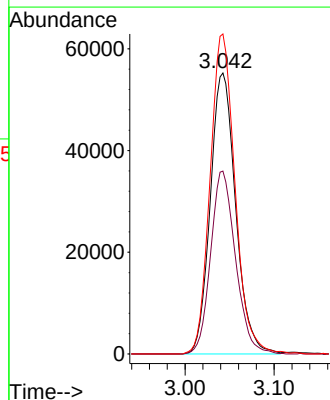
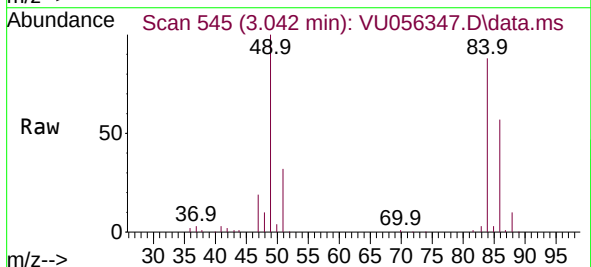
Instrument :  
MSVOA\_U  
ClientSampleId :

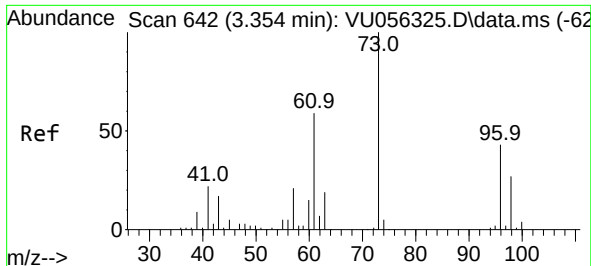
Tgt Ion: 43 Resp: 35165  
Ion Ratio Lower Upper  
43 100  
74 24.4 20.6 31.0



#16  
Methylene chloride  
Concen: 4.644 ug/L  
RT: 3.042 min Scan# 545  
Delta R.T. -0.000 min  
Lab File: VU056347.D  
Acq: 15 Nov 2023 09:43

Tgt Ion: 84 Resp: 109205  
Ion Ratio Lower Upper  
84 100  
86 65.1 44.7 83.1  
49 113.9 81.8 152.0

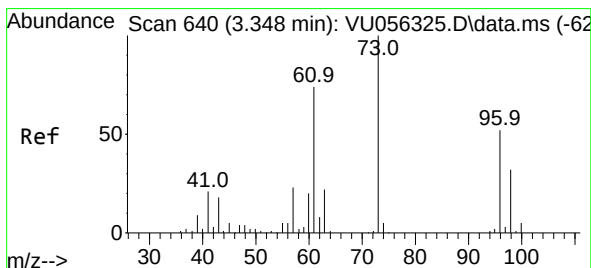
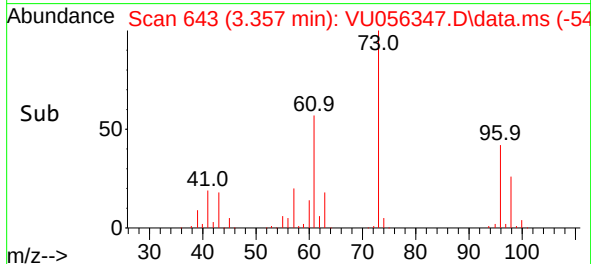
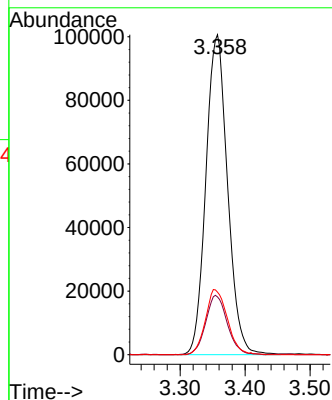
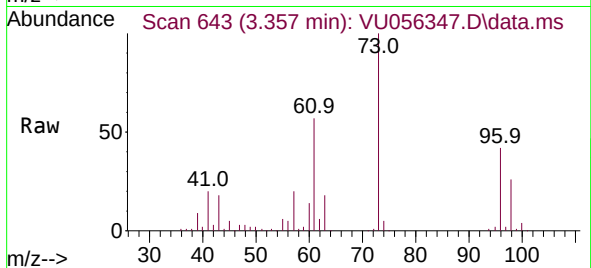




#17  
Methyl tert-butyl Ether  
Concen: 5.408 ug/L  
RT: 3.357 min Scan# 64  
Delta R.T. 0.003 min  
Lab File: VU056347.D  
Acq: 15 Nov 2023 09:43

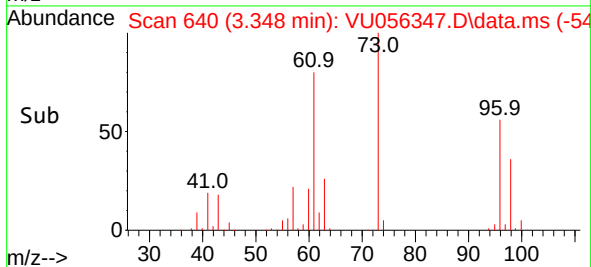
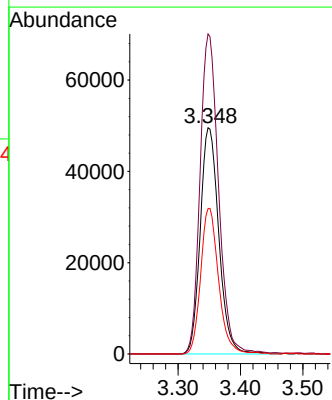
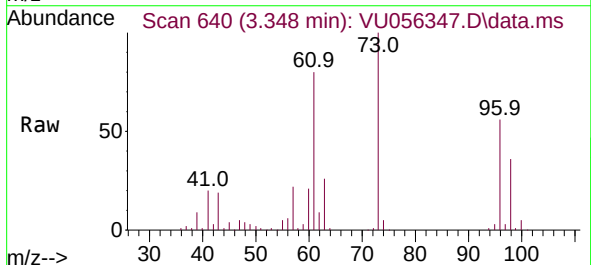
Instrument :  
MSVOA\_U  
ClientSampleId :

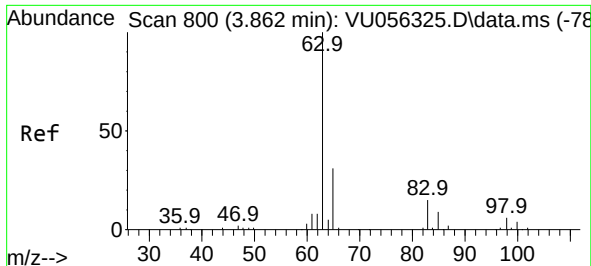
Tgt Ion: 73 Resp: 233468  
Ion Ratio Lower Upper  
73 100  
43 18.5 15.1 22.7  
57 20.6 17.8 26.8



#18  
trans-1,2-Dichloroethene  
Concen: 5.611 ug/L  
RT: 3.348 min Scan# 640  
Delta R.T. -0.000 min  
Lab File: VU056347.D  
Acq: 15 Nov 2023 09:43

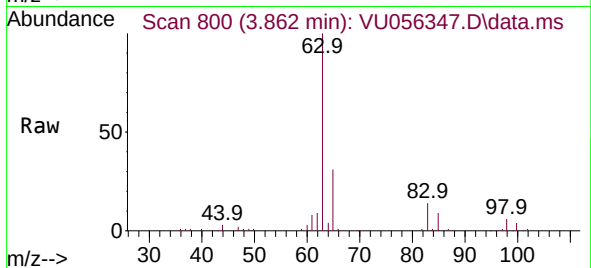
Tgt Ion: 96 Resp: 102587  
Ion Ratio Lower Upper  
96 100  
61 141.5 101.7 188.9  
98 64.2 43.0 80.0



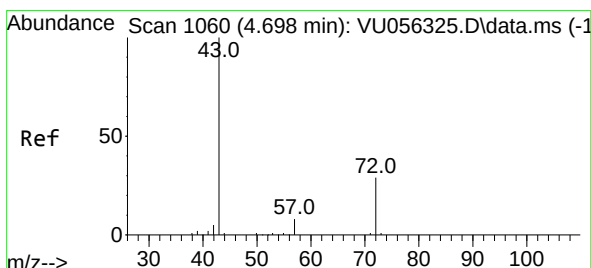
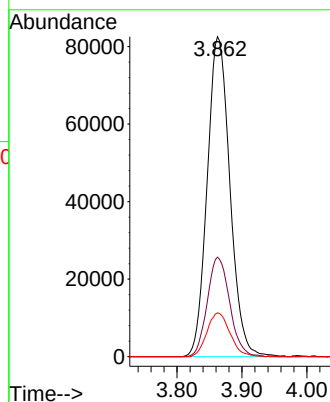
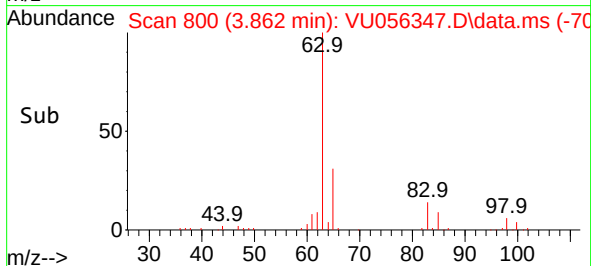


#19  
1,1-Dichloroethane  
Concen: 5.544 ug/L  
RT: 3.862 min Scan# 800  
Delta R.T. -0.000 min  
Lab File: VU056347.D  
Acq: 15 Nov 2023 09:43

Instrument :  
MSVOA\_U  
ClientSampleId :

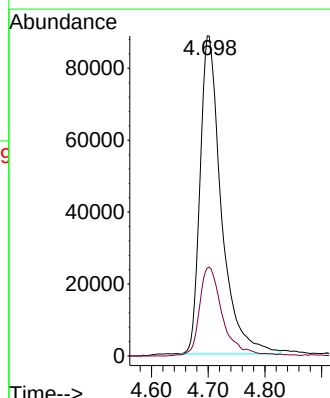
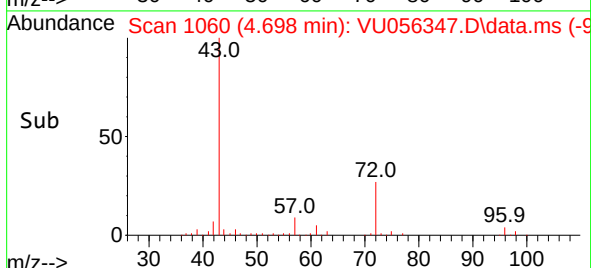
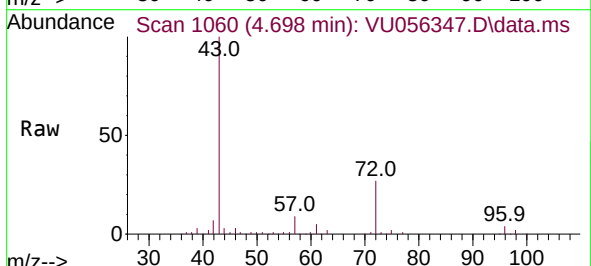


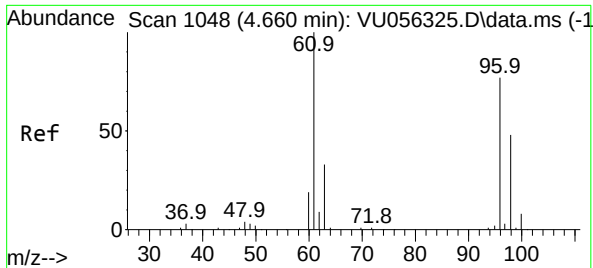
Tgt Ion: 63 Resp: 200783  
Ion Ratio Lower Upper  
63 100  
65 31.1 21.8 40.6  
83 13.7 9.7 17.9



#21  
2-Butanone  
Concen: 48.141 ug/L  
RT: 4.698 min Scan# 1060  
Delta R.T. -0.000 min  
Lab File: VU056347.D  
Acq: 15 Nov 2023 09:43

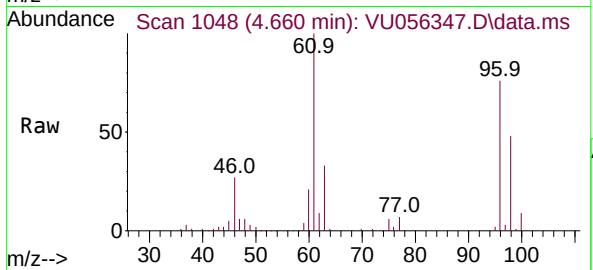
Tgt Ion: 43 Resp: 230351  
Ion Ratio Lower Upper  
43 100  
72 29.0 14.2 42.6





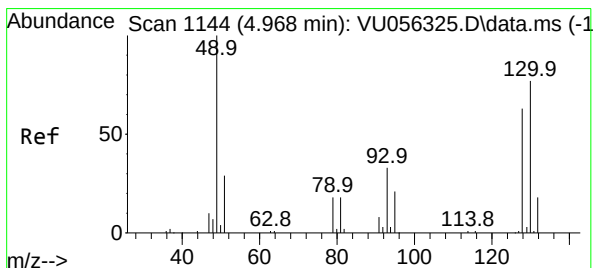
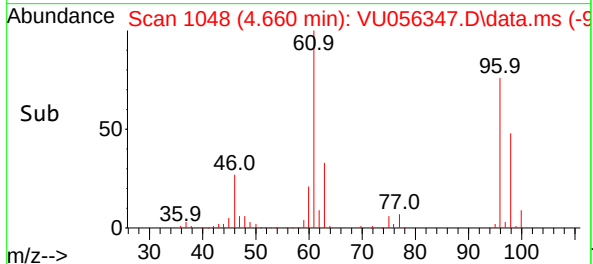
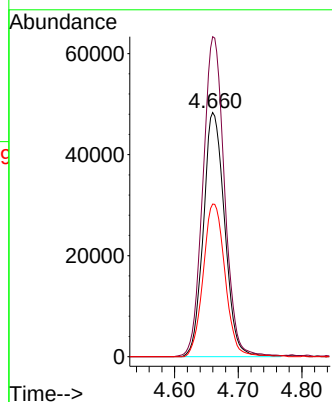
#22  
 cis-1,2-Dichloroethene  
 Concen: 5.420 ug/L  
 RT: 4.660 min Scan# 1048  
 Delta R.T. -0.000 min  
 Lab File: VU056347.D  
 Acq: 15 Nov 2023 09:43

Instrument :  
 MSVOA\_U  
 ClientSampleId :



Tgt Ion: 96 Resp: 112378

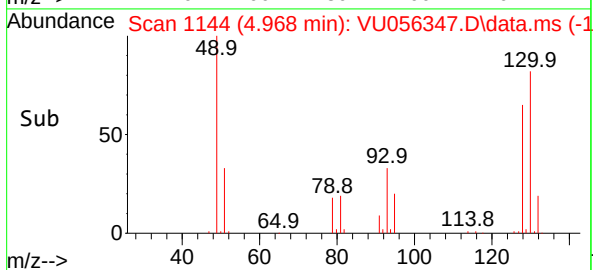
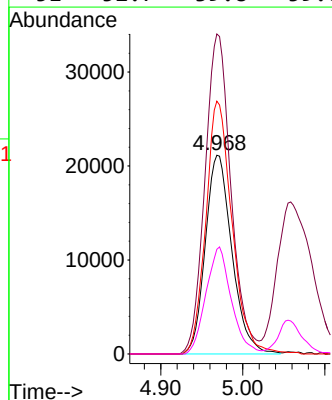
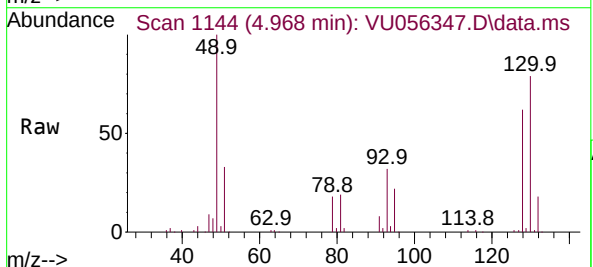
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 131.1 | 93.2  | 173.2 |
| 98  | 62.6  | 44.8  | 83.2  |

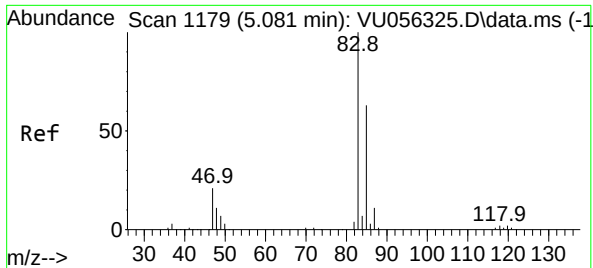


#23  
 Bromochloromethane  
 Concen: 5.582 ug/L  
 RT: 4.968 min Scan# 1144  
 Delta R.T. -0.000 min  
 Lab File: VU056347.D  
 Acq: 15 Nov 2023 09:43

Tgt Ion: 128 Resp: 47641

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 49  | 161.1 | 113.4 | 210.6 |
| 130 | 127.2 | 84.8  | 157.6 |
| 51  | 52.7  | 39.8  | 59.6  |





#25

Chloroform

Concen: 5.326 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VU056347.D

Acq: 15 Nov 2023 09:43

Instrument :

MSVOA\_U

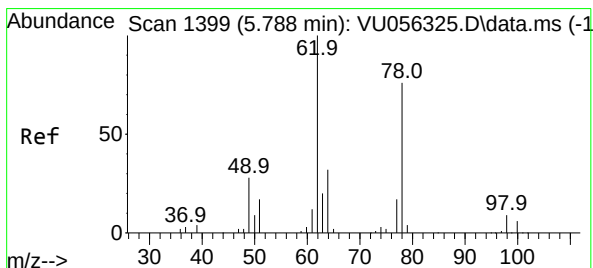
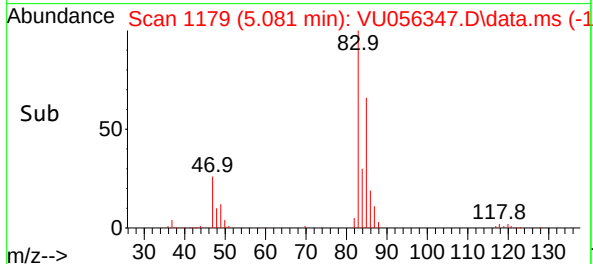
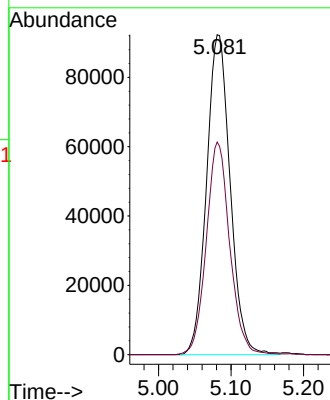
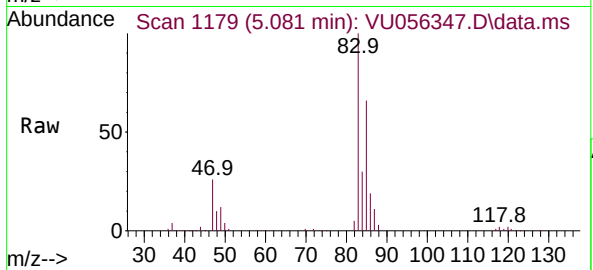
ClientSampleId :

Tgt Ion: 83 Resp: 208972

Ion Ratio Lower Upper

83 100

85 66.5 47.0 87.2



#27

1,2-Dichloroethane

Concen: 5.637 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.000 min

Lab File: VU056347.D

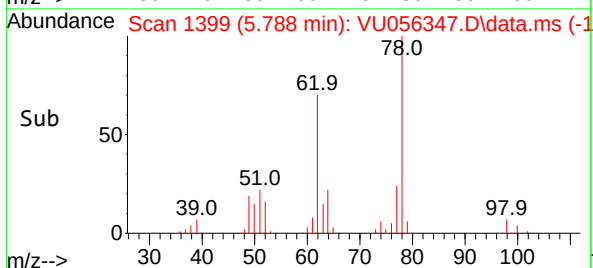
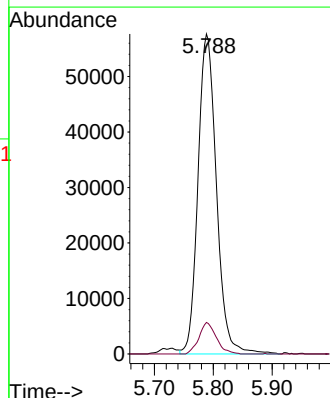
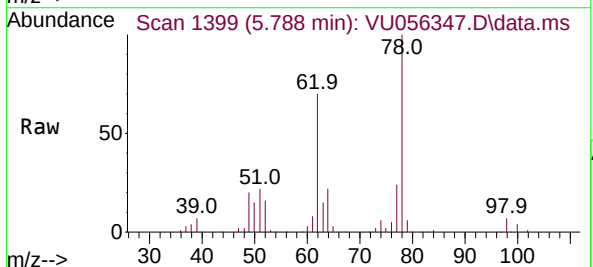
Acq: 15 Nov 2023 09:43

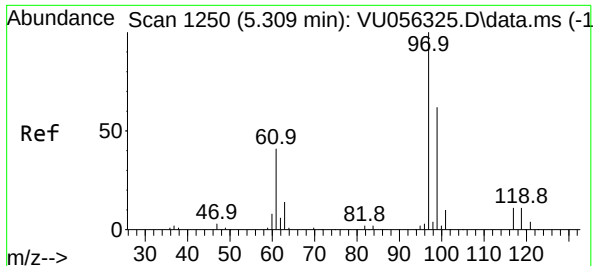
Tgt Ion: 62 Resp: 125589

Ion Ratio Lower Upper

62 100

98 9.8 6.6 10.0

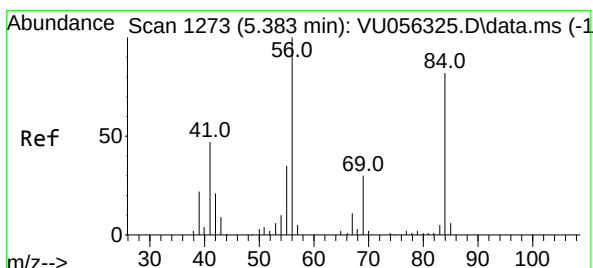
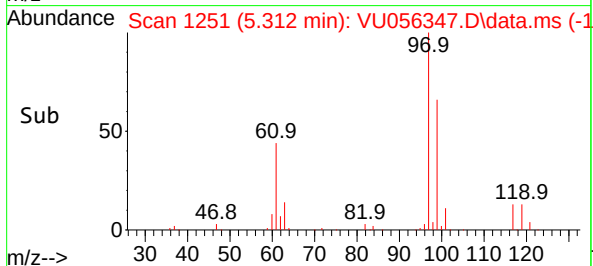
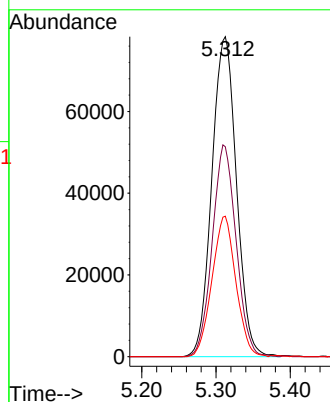
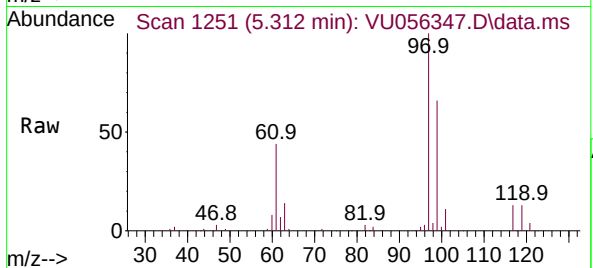




#29  
1,1,1-Trichloroethane  
Concen: 5.652 ug/L  
RT: 5.312 min Scan# 1251  
Delta R.T. 0.003 min  
Lab File: VU056347.D  
Acq: 15 Nov 2023 09:43

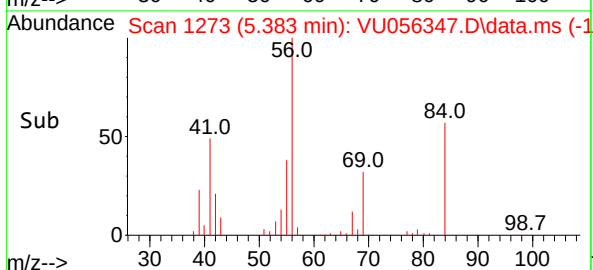
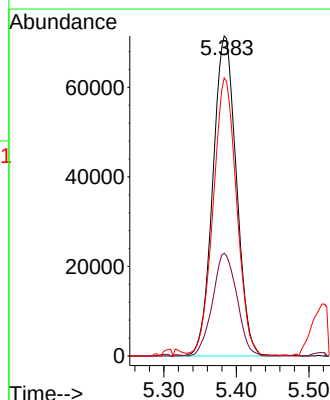
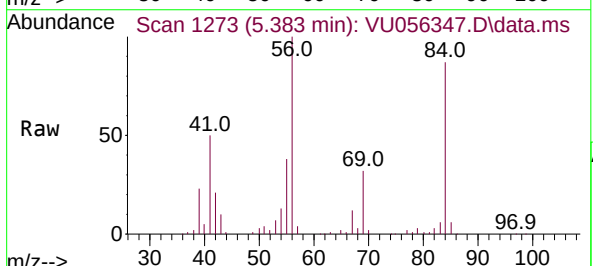
Instrument :  
MSVOA\_U  
ClientSampleId :

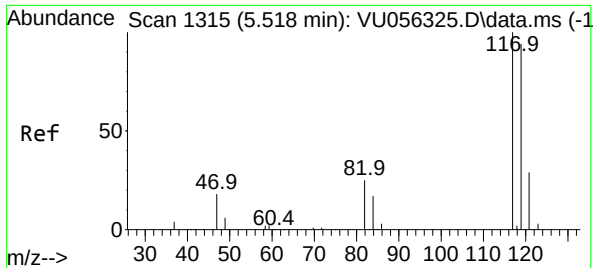
Tgt Ion: 97 Resp: 180498  
Ion Ratio Lower Upper  
97 100  
99 64.1 51.6 77.4  
61 42.6 34.3 51.5



#30  
Cyclohexane  
Concen: 5.310 ug/L  
RT: 5.383 min Scan# 1273  
Delta R.T. -0.000 min  
Lab File: VU056347.D  
Acq: 15 Nov 2023 09:43

Tgt Ion: 56 Resp: 160944  
Ion Ratio Lower Upper  
56 100  
69 33.2 25.4 38.2  
84 86.1 68.6 103.0

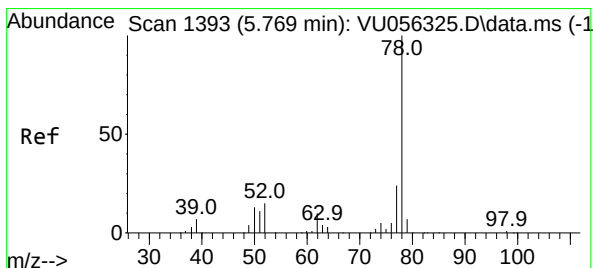
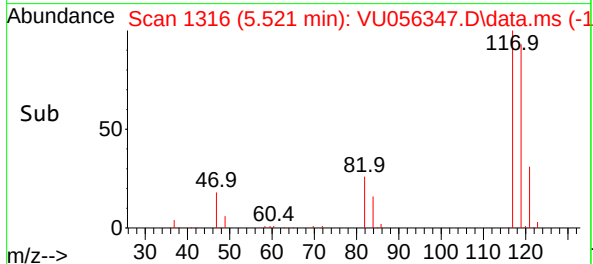
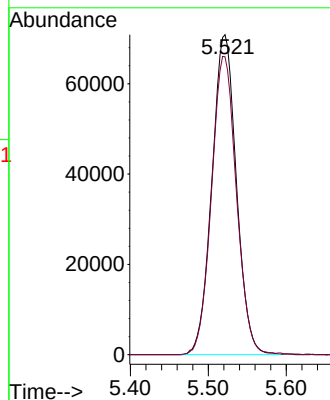
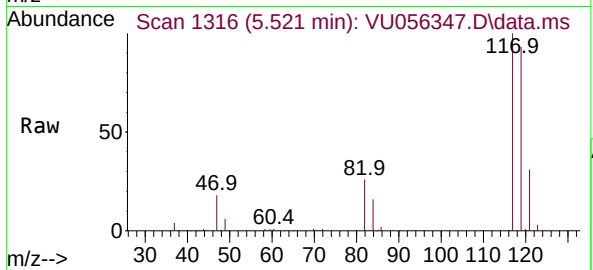




#31  
Carbon tetrachloride  
Concen: 5.640 ug/L  
RT: 5.521 min Scan# 117  
Delta R.T. 0.003 min  
Lab File: VU056347.D  
Acq: 15 Nov 2023 09:43

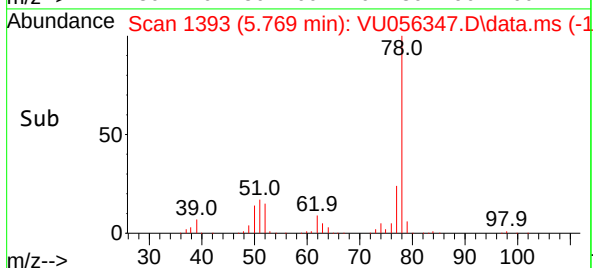
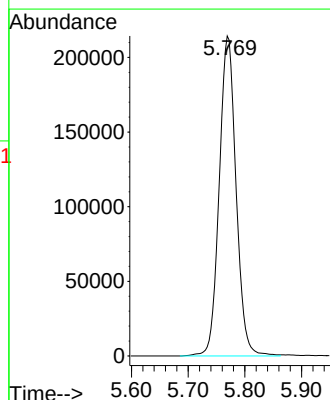
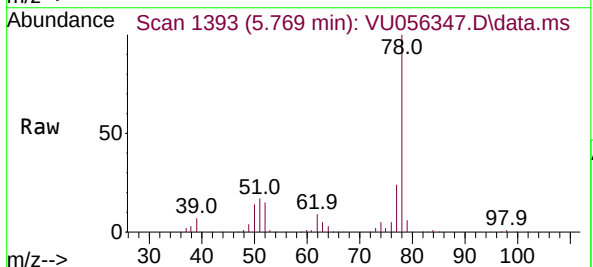
Instrument :  
MSVOA\_U  
ClientSampleId :

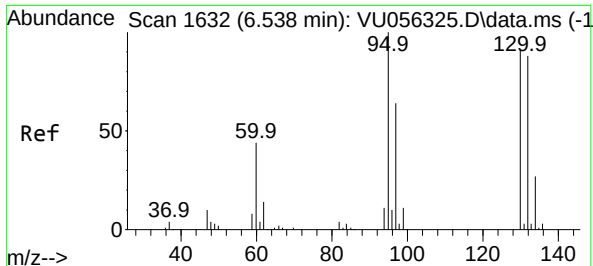
Tgt Ion:117 Resp: 154716  
Ion Ratio Lower Upper  
117 100  
119 94.8 78.1 117.1



#33  
Benzene  
Concen: 5.573 ug/L  
RT: 5.769 min Scan# 1393  
Delta R.T. -0.000 min  
Lab File: VU056347.D  
Acq: 15 Nov 2023 09:43

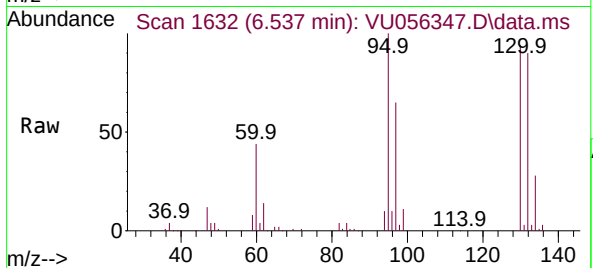
Tgt Ion: 78 Resp: 442405



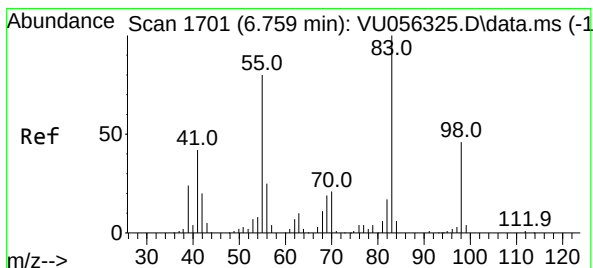
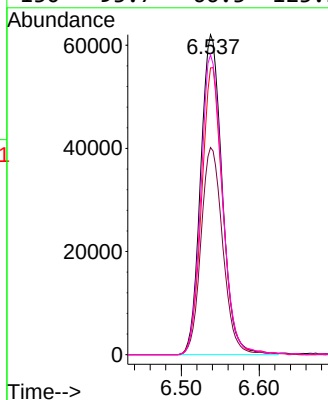
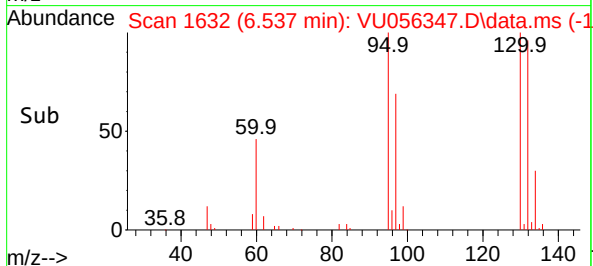


#34  
Trichloroethene  
Concen: 5.503 ug/L  
RT: 6.537 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VU056347.D  
Acq: 15 Nov 2023 09:43

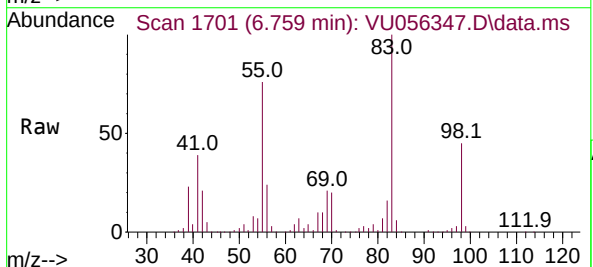
Instrument :  
MSVOA\_U  
ClientSampleId :



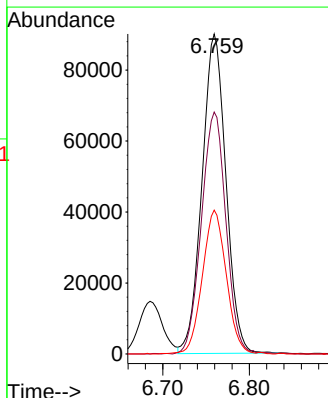
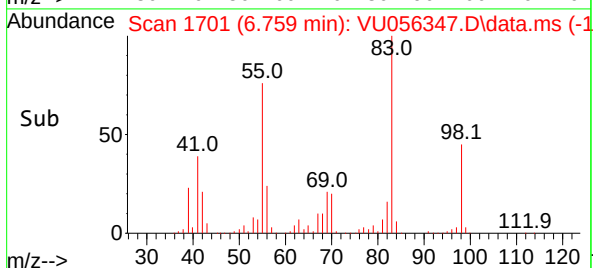
Tgt Ion: 95 Resp: 119028  
Ion Ratio Lower Upper  
95 100  
97 64.8 46.5 86.3  
132 89.6 62.0 115.2  
130 93.7 66.3 123.1



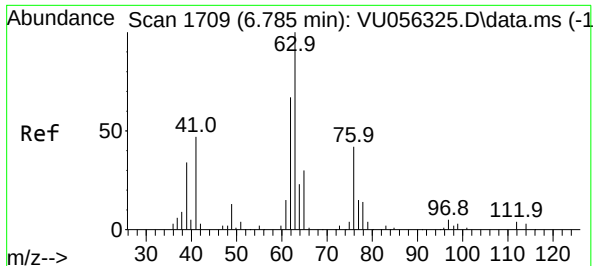
#35  
Methylcyclohexane  
Concen: 5.532 ug/L  
RT: 6.759 min Scan# 1701  
Delta R.T. -0.000 min  
Lab File: VU056347.D  
Acq: 15 Nov 2023 09:43



Tgt Ion: 83 Resp: 172742  
Ion Ratio Lower Upper  
83 100  
55 77.7 62.9 94.3  
98 45.0 35.3 52.9



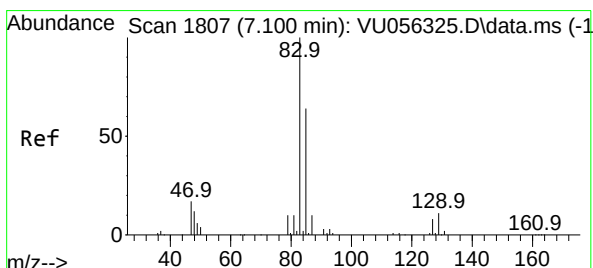
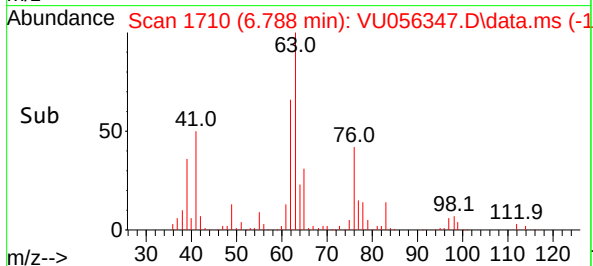
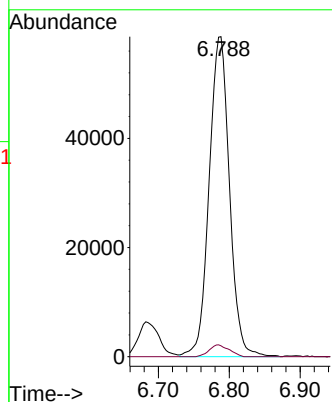
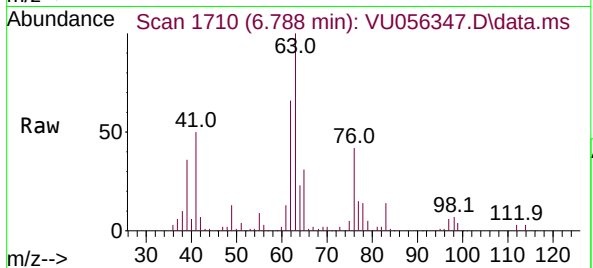




#37  
1,2-Dichloropropane  
Concen: 5.644 ug/L  
RT: 6.788 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VU056347.D  
Acq: 15 Nov 2023 09:43

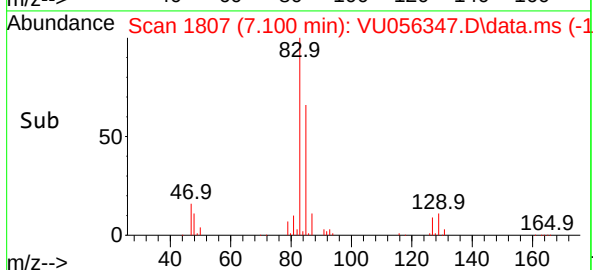
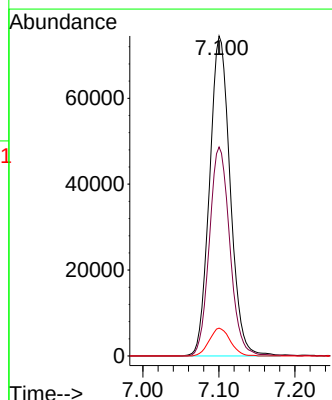
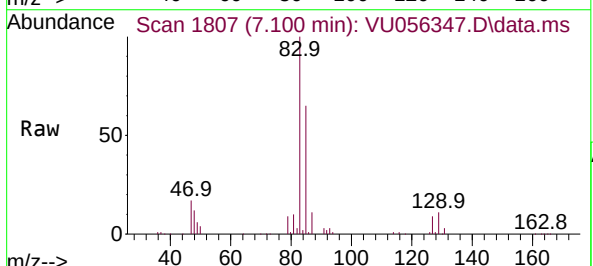
Instrument :  
MSVOA\_U  
ClientSampleId :

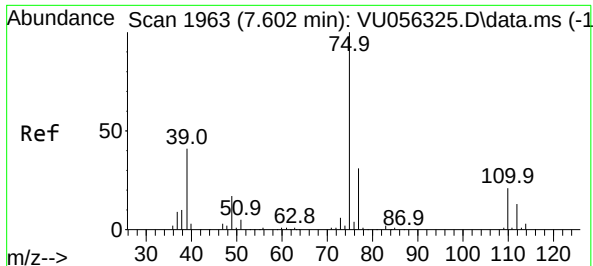
Tgt Ion: 63 Resp: 116852  
Ion Ratio Lower Upper  
63 100  
112 3.6 3.2 4.8



#38  
Bromodichloromethane  
Concen: 5.254 ug/L  
RT: 7.100 min Scan# 1807  
Delta R.T. -0.000 min  
Lab File: VU056347.D  
Acq: 15 Nov 2023 09:43

Tgt Ion: 83 Resp: 140431  
Ion Ratio Lower Upper  
83 100  
85 65.3 44.9 83.5  
127 8.7 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 5.358 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. -0.000 min

Lab File: VU056347.D

Acq: 15 Nov 2023 09:43

Instrument :

MSVOA\_U

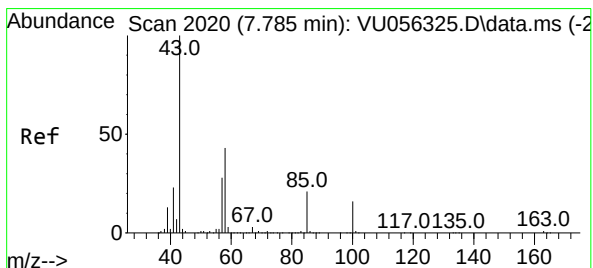
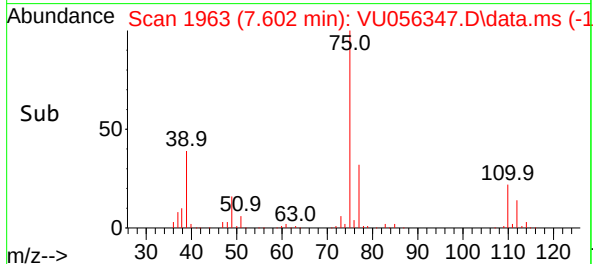
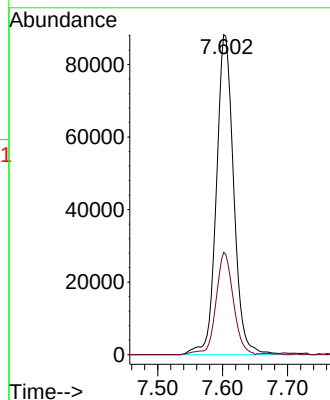
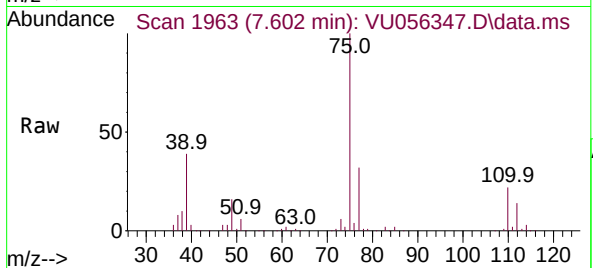
ClientSampleId :

Tgt Ion: 75 Resp: 162999

Ion Ratio Lower Upper

75 100

77 32.0 21.5 39.9



#40

4-Methyl-2-pentanone

Concen: 52.178 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.000 min

Lab File: VU056347.D

Acq: 15 Nov 2023 09:43

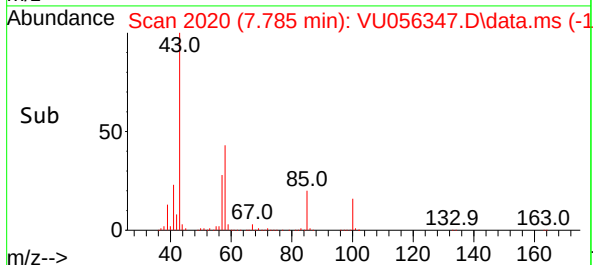
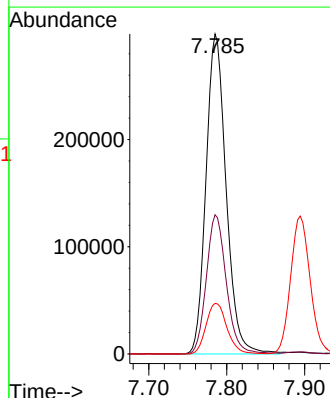
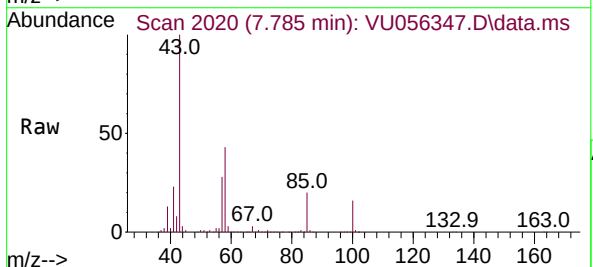
Tgt Ion: 43 Resp: 535477

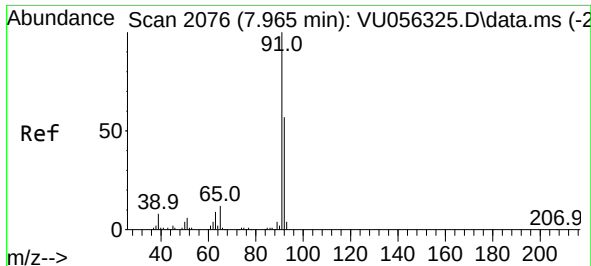
Ion Ratio Lower Upper

43 100

58 43.3 33.8 50.8

100 16.4 13.0 19.4





#42

Toluene

Concen: 5.624 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU056347.D

Acq: 15 Nov 2023 09:43

Instrument :

MSVOA\_U

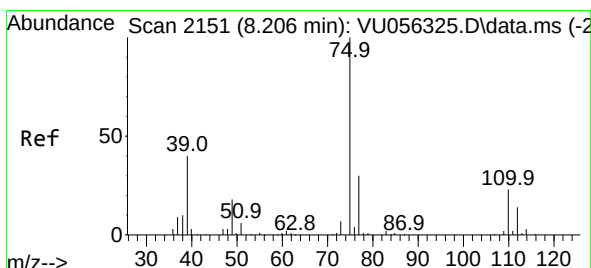
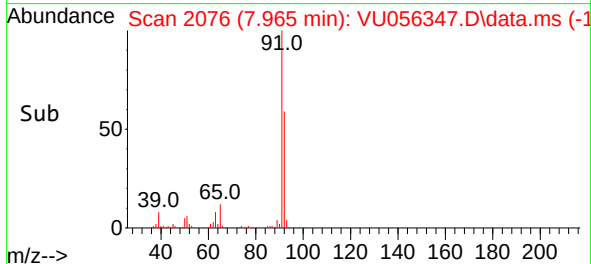
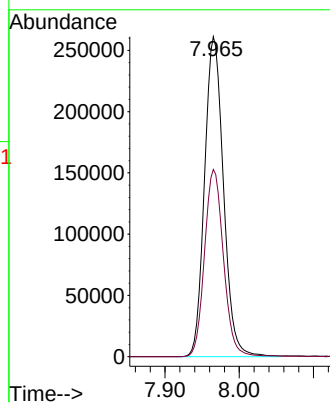
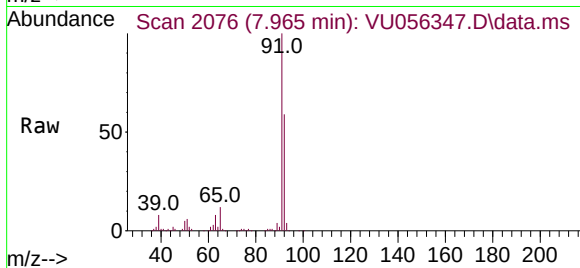
ClientSampleId :

Tgt Ion: 91 Resp: 462202

Ion Ratio Lower Upper

91 100

92 58.5 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.516 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU056347.D

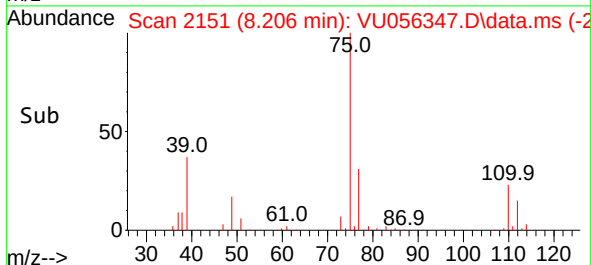
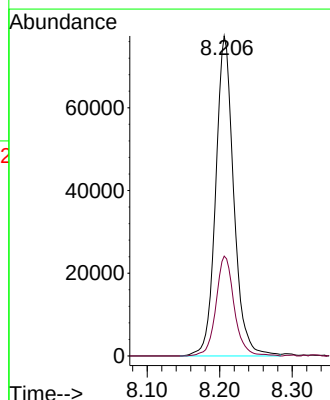
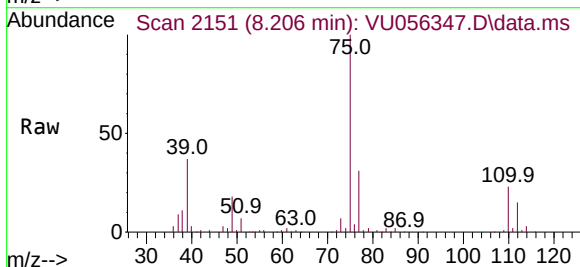
Acq: 15 Nov 2023 09:43

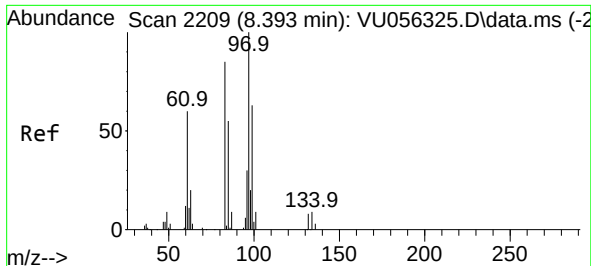
Tgt Ion: 75 Resp: 133761

Ion Ratio Lower Upper

75 100

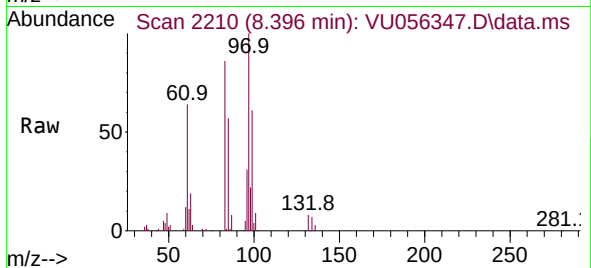
77 31.2 22.8 42.4



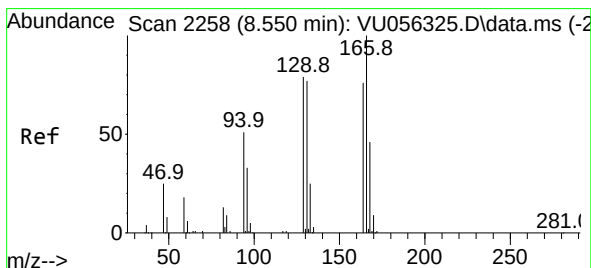
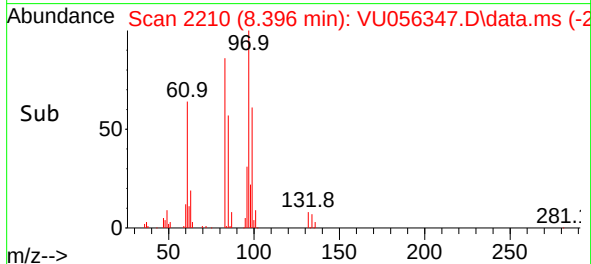
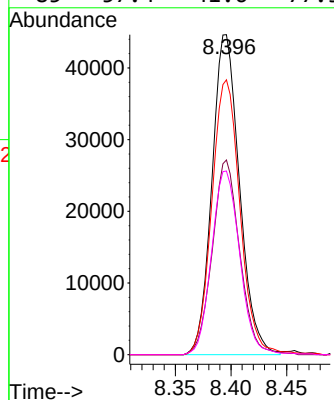


#45  
1,1,2-Trichloroethane  
Concen: 5.562 ug/L  
RT: 8.396 min Scan# 2110  
Delta R.T. 0.003 min  
Lab File: VU056347.D  
Acq: 15 Nov 2023 09:43

Instrument :  
MSVOA\_U  
ClientSampleId :

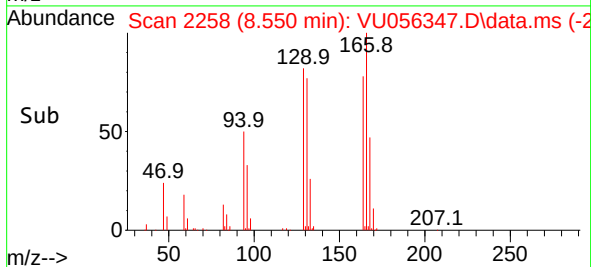
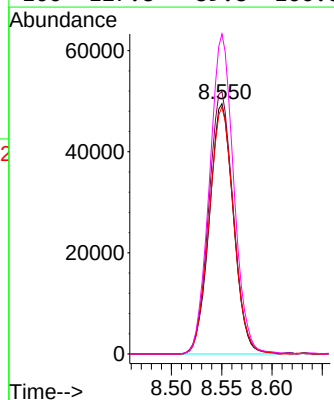
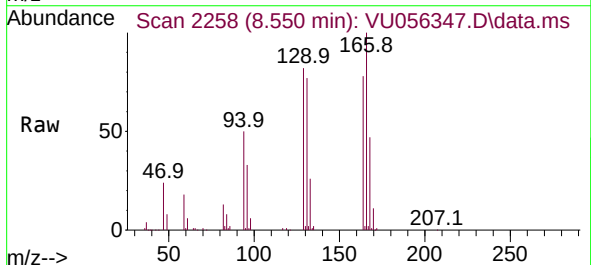


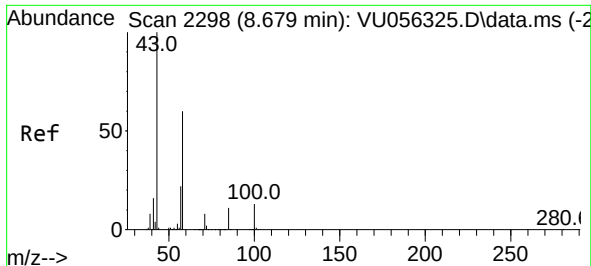
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 76682 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 60.8  | 44.3  | 82.3  |
| 83       | 85.9  | 65.4  | 121.4 |
| 85       | 57.4  | 41.6  | 77.3  |



#47  
Tetrachloroethene  
Concen: 5.649 ug/L  
RT: 8.550 min Scan# 2258  
Delta R.T. -0.000 min  
Lab File: VU056347.D  
Acq: 15 Nov 2023 09:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 82397 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 104.8 | 71.0  | 131.9 |
| 131      | 98.7  | 70.3  | 130.7 |
| 166      | 127.8 | 89.8  | 166.8 |

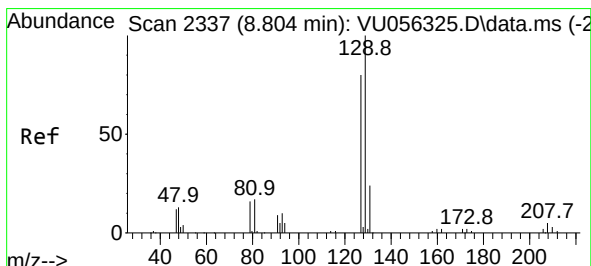
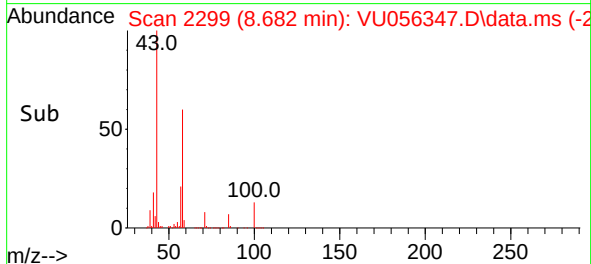
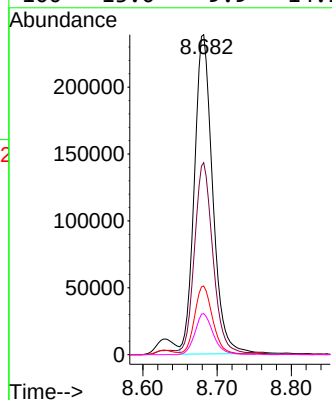
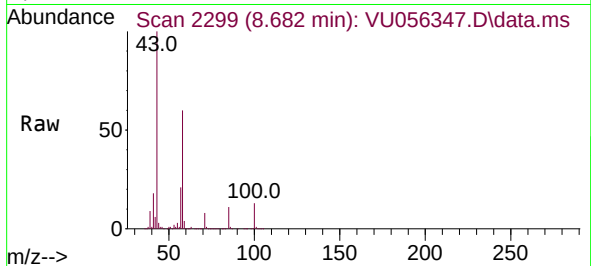




#48  
2-Hexanone  
Concen: 51.305 ug/L  
RT: 8.682 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU056347.D  
Acq: 15 Nov 2023 09:43

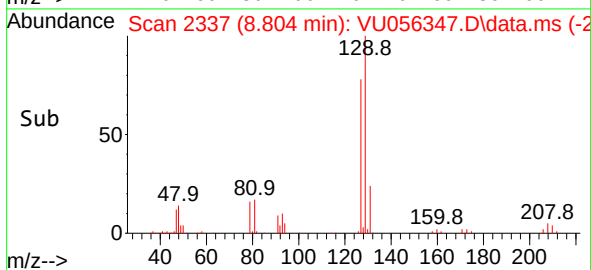
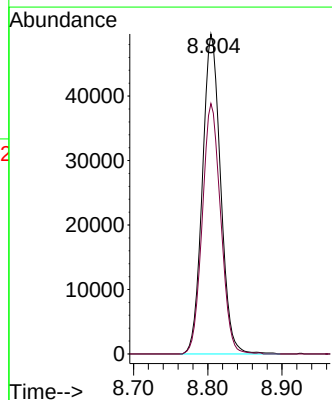
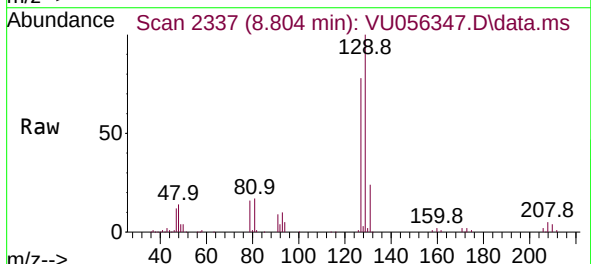
Instrument :  
MSVOA\_U  
ClientSampleId :

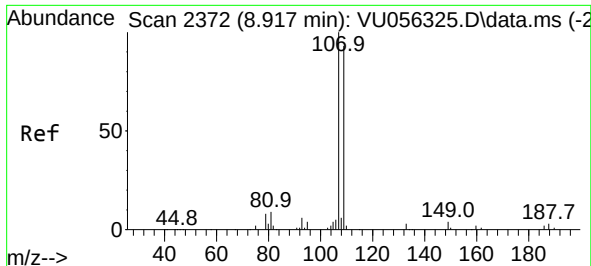
Tgt Ion: 43 Resp: 410177  
Ion Ratio Lower Upper  
43 100  
58 60.9 48.7 73.1  
57 21.0 16.8 25.2  
100 13.0 9.9 14.9



#49  
Dibromochloromethane  
Concen: 5.392 ug/L  
RT: 8.804 min Scan# 2337  
Delta R.T. -0.000 min  
Lab File: VU056347.D  
Acq: 15 Nov 2023 09:43

Tgt Ion: 129 Resp: 84536  
Ion Ratio Lower Upper  
129 100  
127 78.3 52.9 98.3





#50

1,2-Dibromoethane

Concen: 5.291 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.003 min

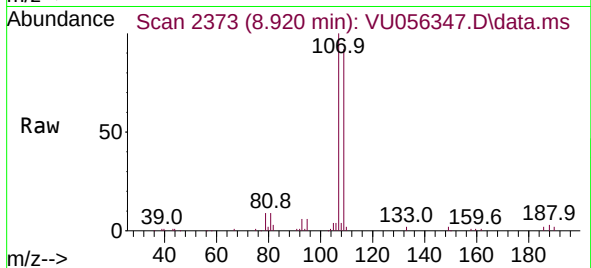
Lab File: VU056347.D

Acq: 15 Nov 2023 09:43

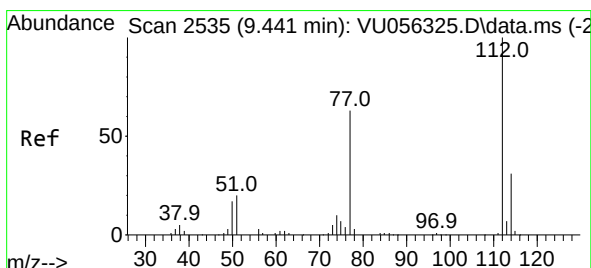
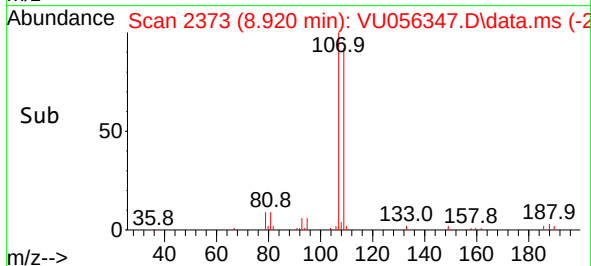
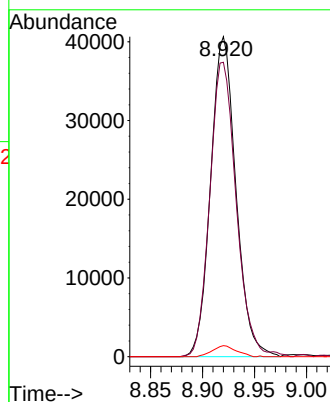
Instrument :

MSVOA\_U

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 68866 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 109      | 92.0  | 64.2  | 119.2 |
| 188      | 3.5   | 2.6   | 4.0   |



#51

Chlorobenzene

Concen: 5.524 ug/L

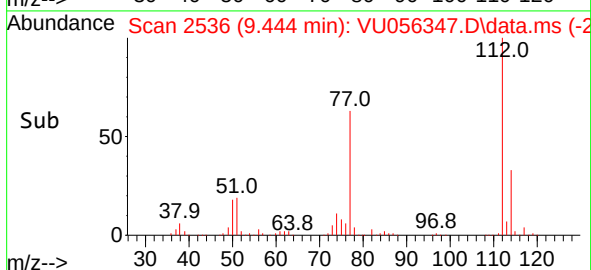
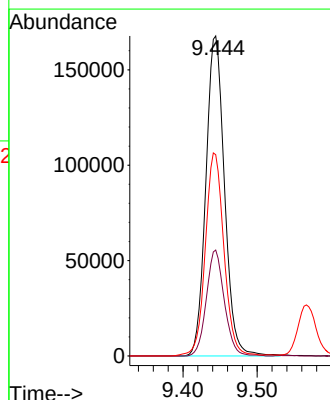
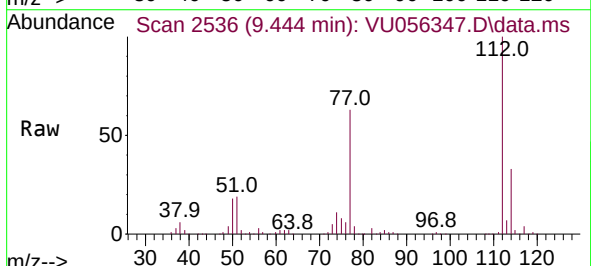
RT: 9.444 min Scan# 2536

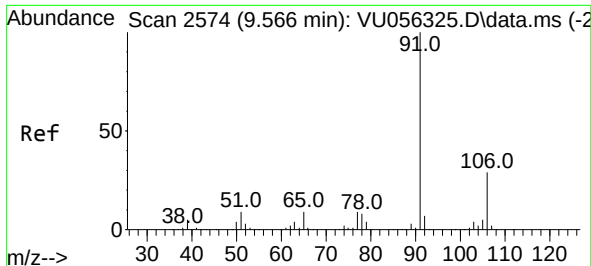
Delta R.T. 0.003 min

Lab File: VU056347.D

Acq: 15 Nov 2023 09:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 291711 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 114      | 33.1  | 22.5  | 41.7   |
| 77       | 62.9  | 51.7  | 77.5   |

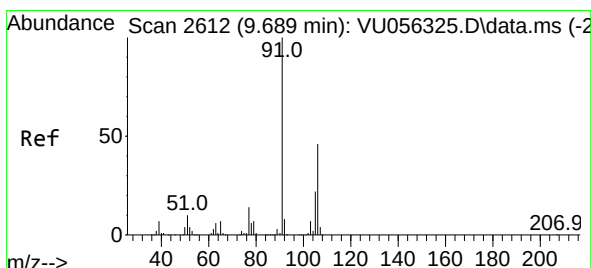
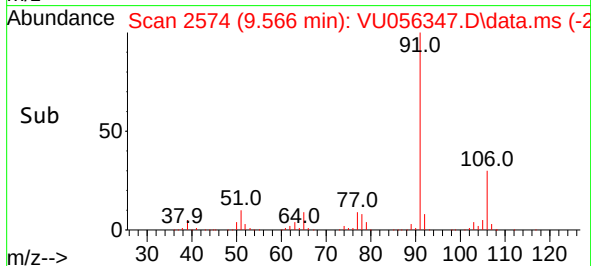
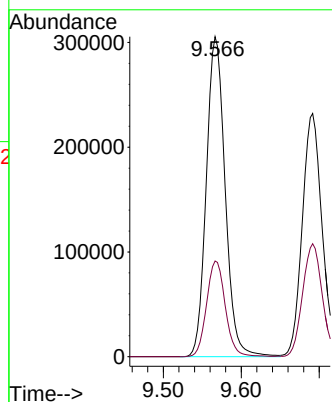
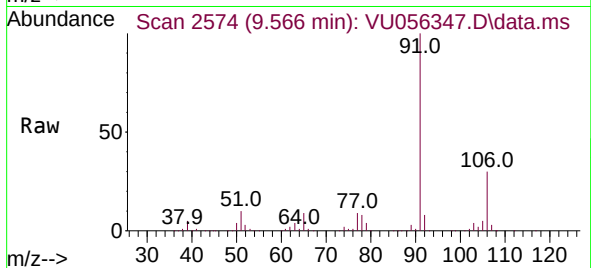




#52  
Ethylbenzene  
Concen: 5.628 ug/L  
RT: 9.566 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU056347.D  
Acq: 15 Nov 2023 09:43

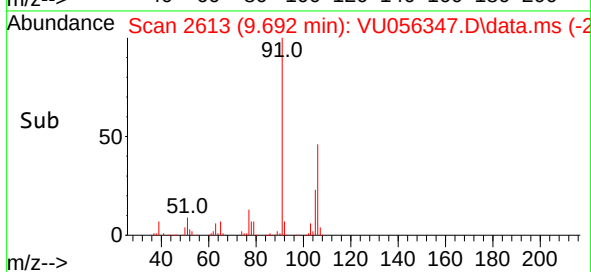
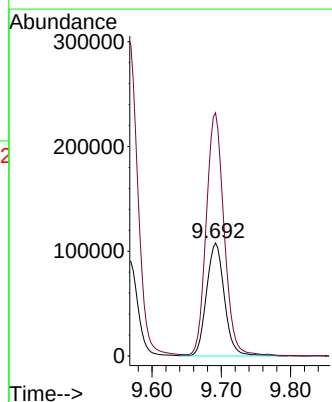
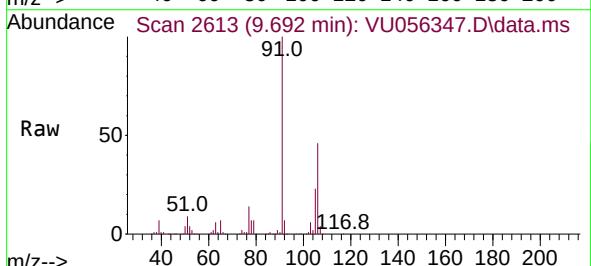
Instrument :  
MSVOA\_U  
ClientSampleId :

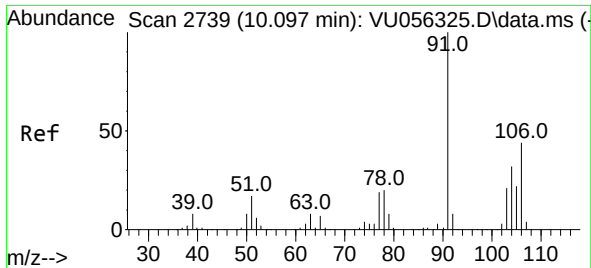
Tgt Ion: 91 Resp: 513648  
Ion Ratio Lower Upper  
91 100  
106 29.9 21.1 39.1



#53  
m,p-Xylene  
Concen: 5.757 ug/L  
RT: 9.692 min Scan# 2613  
Delta R.T. 0.003 min  
Lab File: VU056347.D  
Acq: 15 Nov 2023 09:43

Tgt Ion: 106 Resp: 193172  
Ion Ratio Lower Upper  
106 100  
91 215.2 149.6 277.8

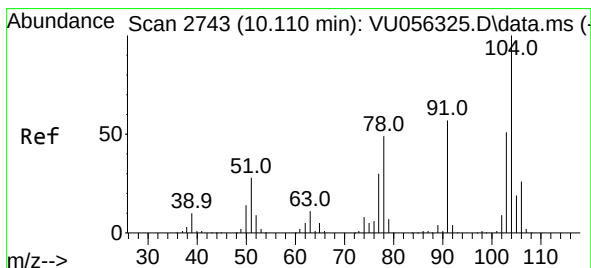
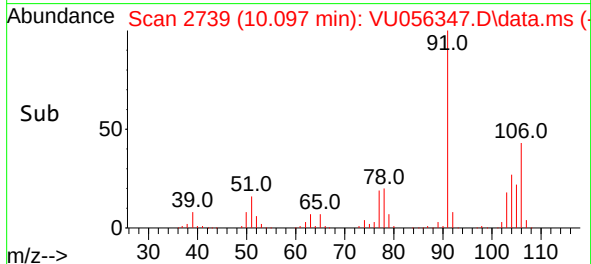
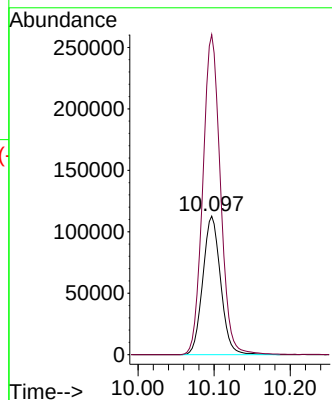
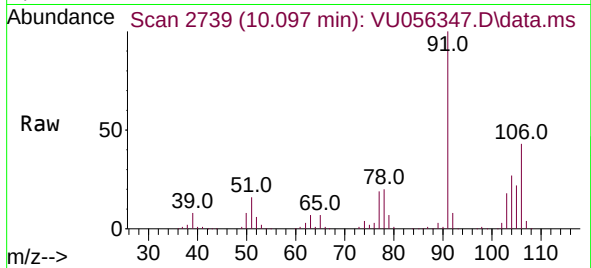




#54  
o-Xylene  
Concen: 5.622 ug/L  
RT: 10.097 min Scan# 2739  
Delta R.T. -0.000 min  
Lab File: VU056347.D  
Acq: 15 Nov 2023 09:43

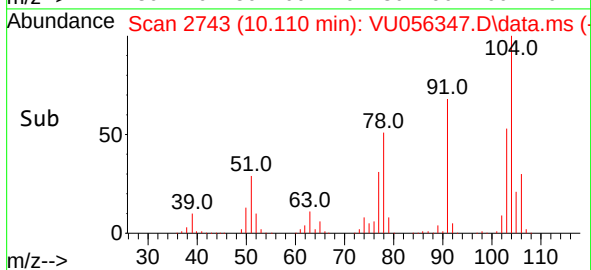
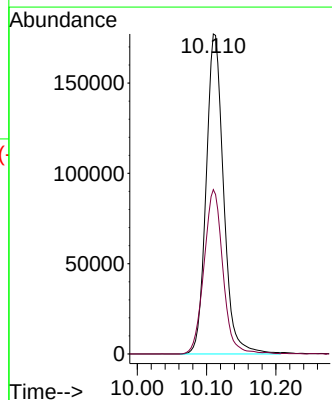
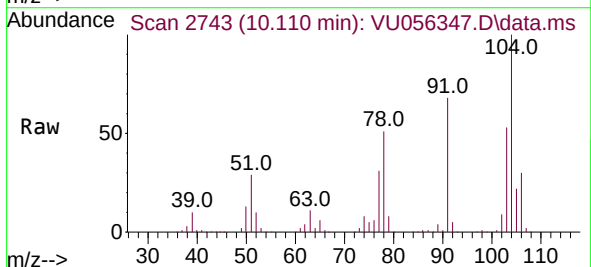
Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion:106 Resp: 183240  
Ion Ratio Lower Upper  
106 100  
91 230.9 159.3 295.9

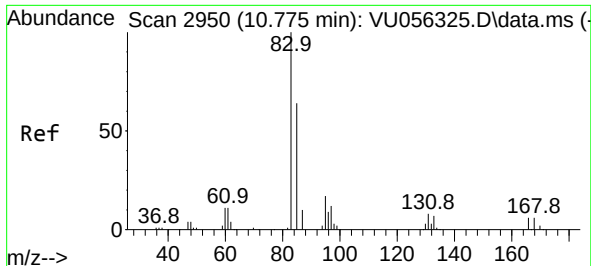


#55  
Styrene  
Concen: 5.719 ug/L  
RT: 10.110 min Scan# 2743  
Delta R.T. -0.000 min  
Lab File: VU056347.D  
Acq: 15 Nov 2023 09:43

Tgt Ion:104 Resp: 310029  
Ion Ratio Lower Upper  
104 100  
78 51.3 34.2 63.6







#57

1,1,2,2-Tetrachloroethane

Concen: 5.523 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. -0.000 min

Lab File: VU056347.D

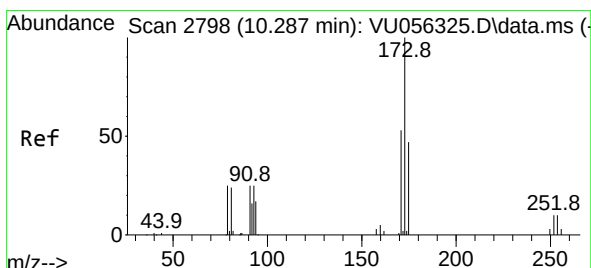
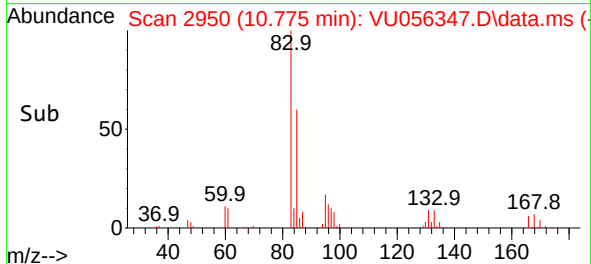
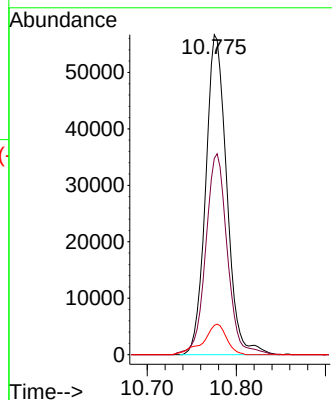
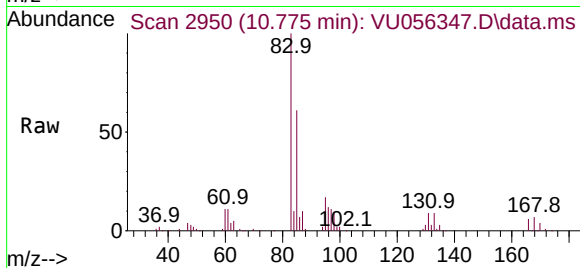
Acq: 15 Nov 2023 09:43

Instrument :

MSVOA\_U

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 92974 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 61.3  | 46.3  | 86.1  |
| 131      | 9.1   | 6.7   | 10.1  |



#59

Bromoform

Concen: 5.502 ug/L

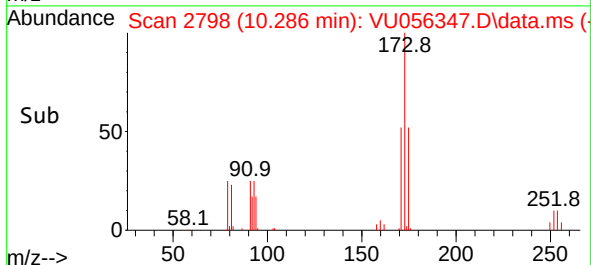
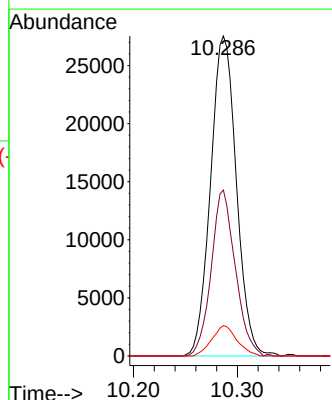
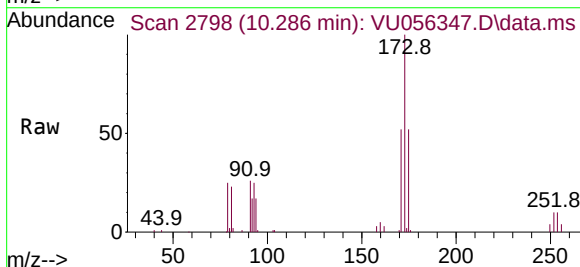
RT: 10.286 min Scan# 2798

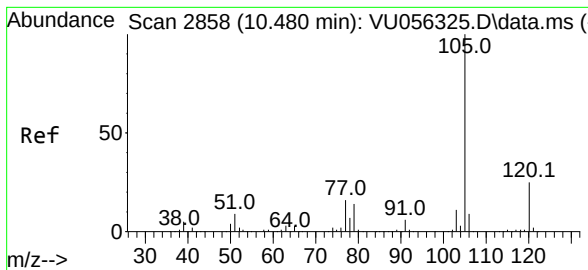
Delta R.T. -0.000 min

Lab File: VU056347.D

Acq: 15 Nov 2023 09:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 47566 |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 48.4  | 38.9  | 58.3  |
| 254      | 9.2   | 6.7   | 10.1  |





#60

Isopropylbenzene

Concen: 5.546 ug/L

RT: 10.479 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU056347.D

Acq: 15 Nov 2023 09:43

Instrument :

MSVOA\_U

ClientSampleId :

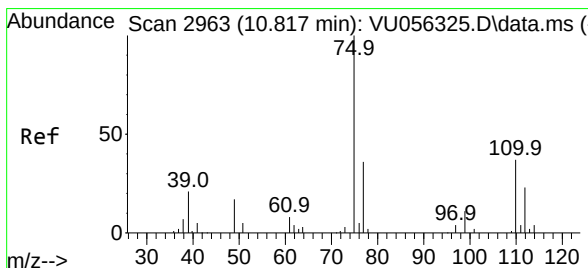
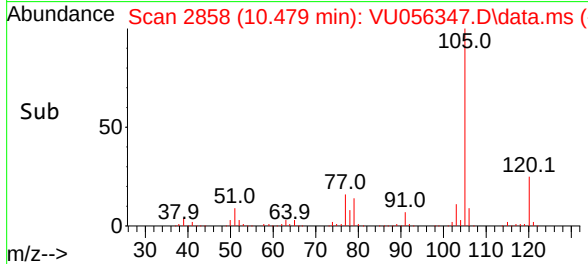
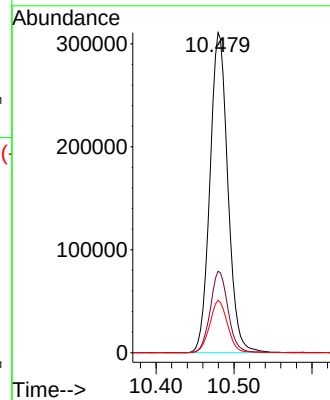
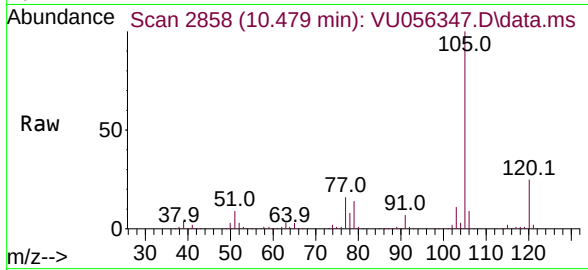
Tgt Ion:105 Resp: 496376

Ion Ratio Lower Upper

105 100

120 25.3 20.4 30.6

77 16.3 13.3 19.9



#61

1,2,3-Trichloropropane

Concen: 5.358 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. -0.000 min

Lab File: VU056347.D

Acq: 15 Nov 2023 09:43

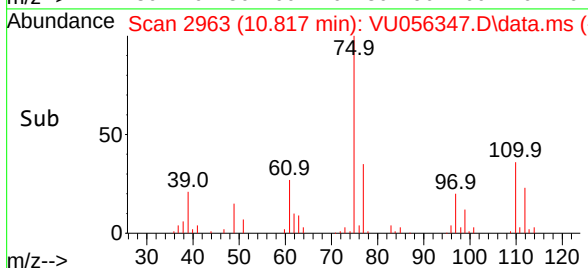
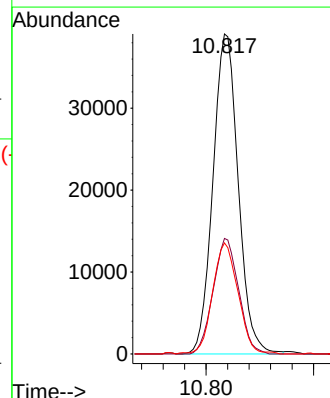
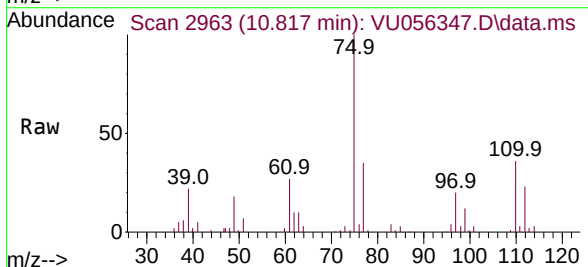
Tgt Ion: 75 Resp: 63804

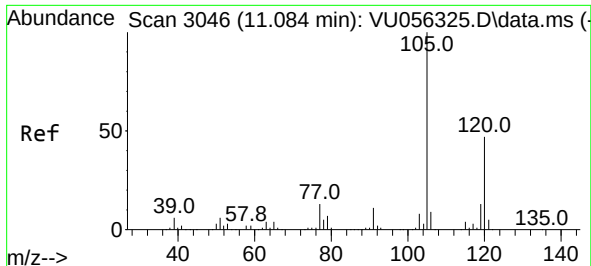
Ion Ratio Lower Upper

75 100

110 36.3 30.4 45.6

77 34.9 27.0 40.6





#62

1,3,5-Trimethylbenzene

Concen: 5.551 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. -0.000 min

Lab File: VU056347.D

Acq: 15 Nov 2023 09:43

Instrument :

MSVOA\_U

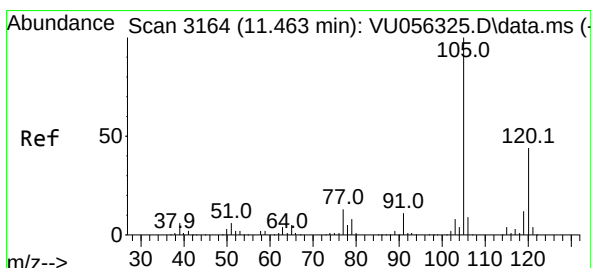
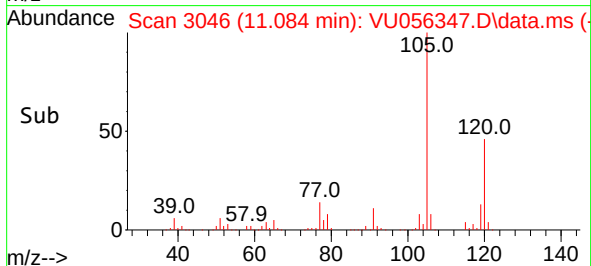
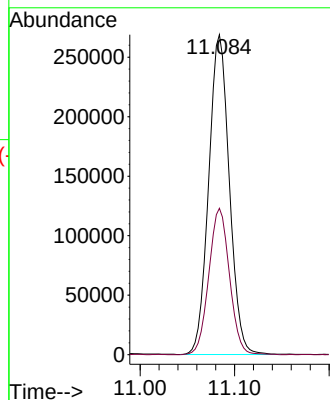
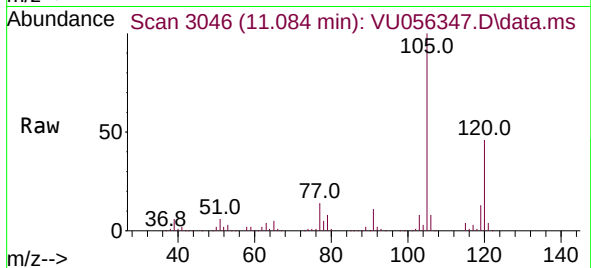
ClientSampleId :

Tgt Ion:105 Resp: 407913

Ion Ratio Lower Upper

105 100

120 45.7 37.2 55.8



#63

1,2,4-Trimethylbenzene

Concen: 5.571 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VU056347.D

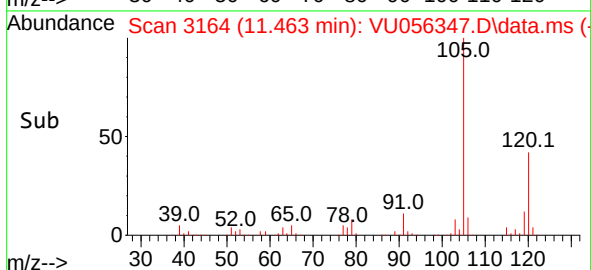
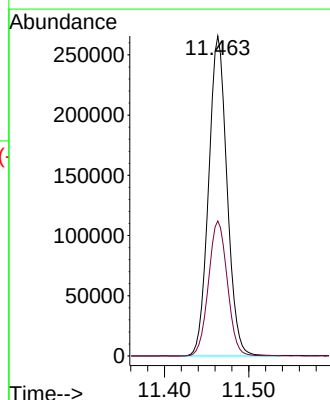
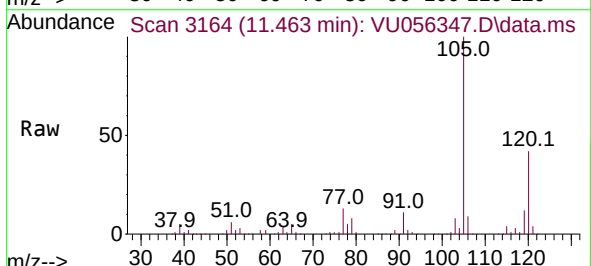
Acq: 15 Nov 2023 09:43

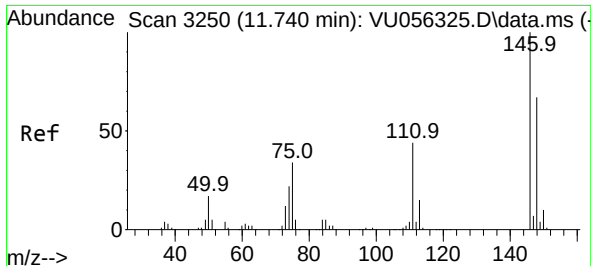
Tgt Ion:105 Resp: 404112

Ion Ratio Lower Upper

105 100

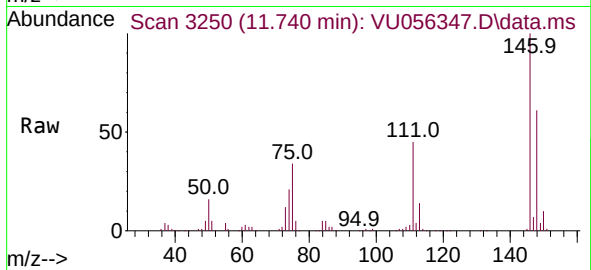
120 43.2 34.0 51.0



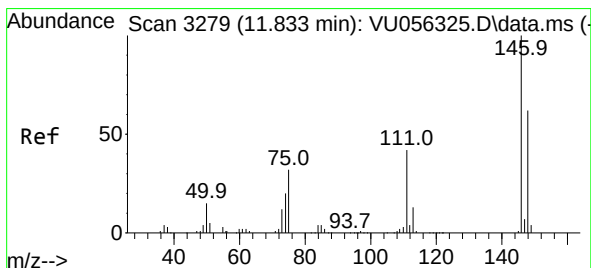
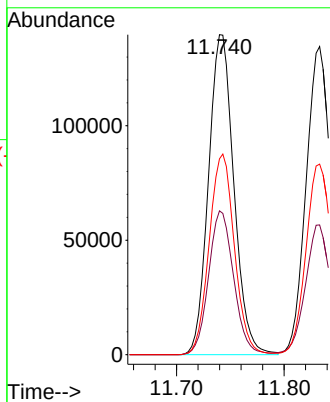
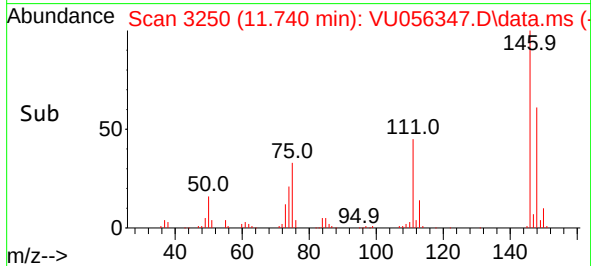


#64  
1,3-Dichlorobenzene  
Concen: 5.625 ug/L  
RT: 11.740 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VU056347.D  
Acq: 15 Nov 2023 09:43

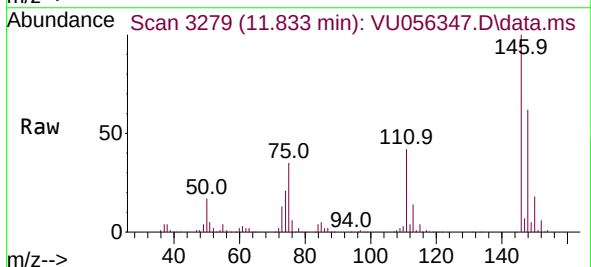
Instrument :  
MSVOA\_U  
ClientSampleId :



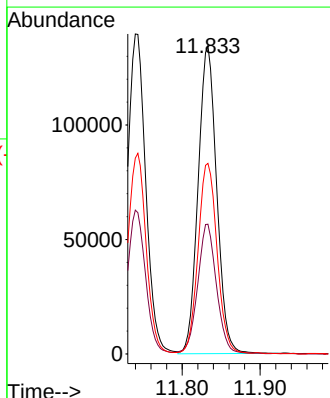
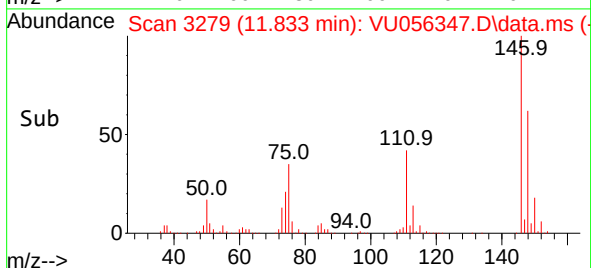
Tgt Ion:146 Resp: 229009  
Ion Ratio Lower Upper  
146 100  
111 44.9 31.1 57.7  
148 61.2 45.1 83.9

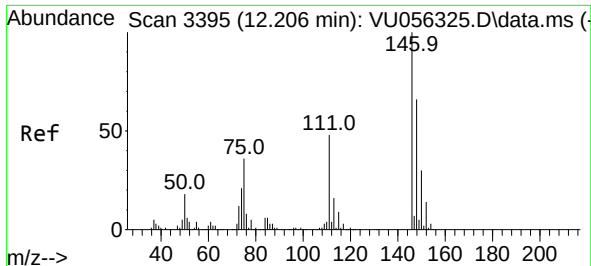


#65  
1,4-Dichlorobenzene  
Concen: 5.445 ug/L  
RT: 11.833 min Scan# 3279  
Delta R.T. -0.000 min  
Lab File: VU056347.D  
Acq: 15 Nov 2023 09:43



Tgt Ion:146 Resp: 222386  
Ion Ratio Lower Upper  
146 100  
111 42.1 30.5 56.7  
148 61.9 44.8 83.2





#67

1,2-Dichlorobenzene

Concen: 5.552 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU056347.D

Acq: 15 Nov 2023 09:43

Instrument :

MSVOA\_U

ClientSampleId :

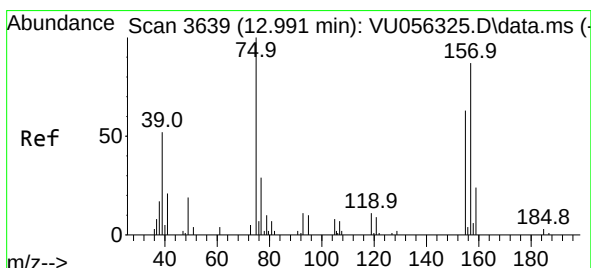
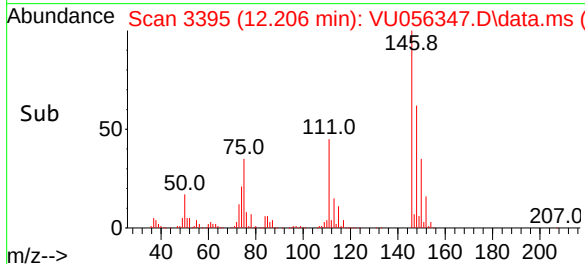
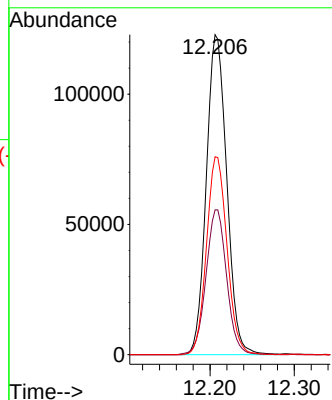
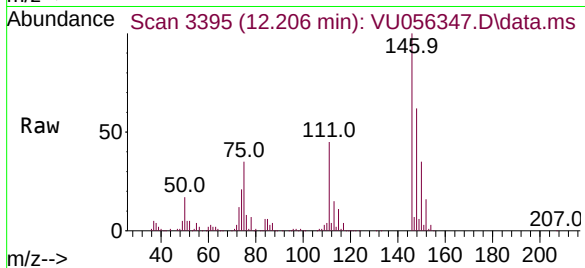
Tgt Ion:146 Resp: 207371

Ion Ratio Lower Upper

146 100

111 45.3 38.3 57.5

148 61.8 52.2 78.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.536 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. -0.000 min

Lab File: VU056347.D

Acq: 15 Nov 2023 09:43

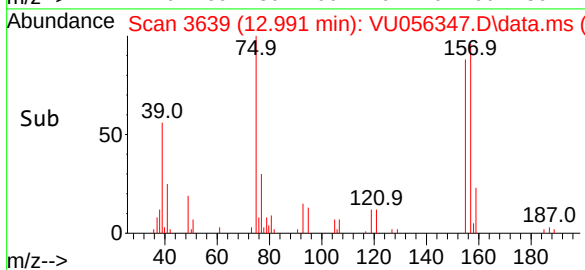
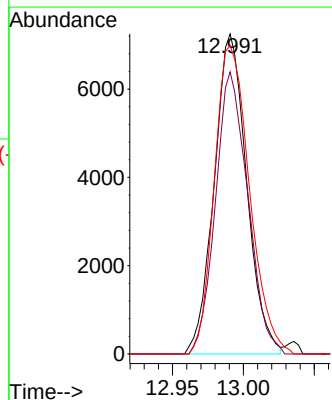
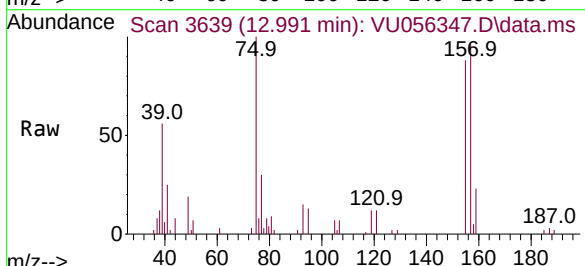
Tgt Ion: 75 Resp: 11537

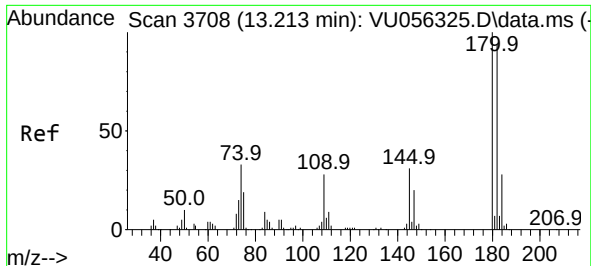
Ion Ratio Lower Upper

75 100

155 88.2 62.4 93.6

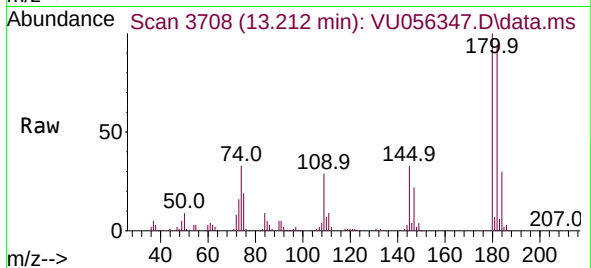
157 96.4 80.2 120.2



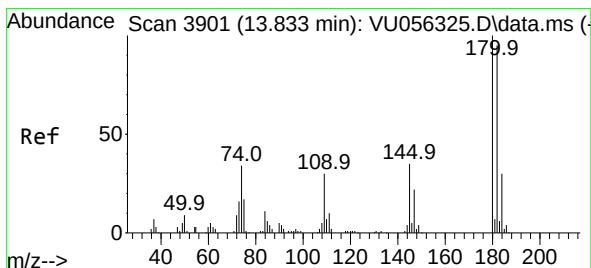
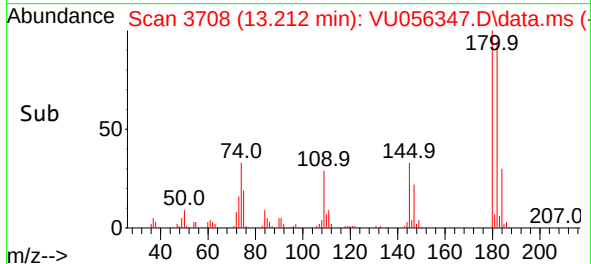
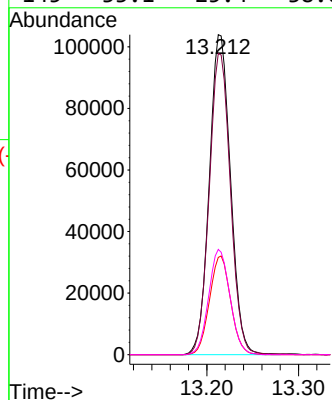


#69  
 1,3,5-Trichlorobenzene  
 Concen: 5.434 ug/L  
 RT: 13.212 min Scan# 31  
 Delta R.T. -0.000 min  
 Lab File: VU056347.D  
 Acq: 15 Nov 2023 09:43

Instrument :  
 MSVOA\_U  
 ClientSampleId :

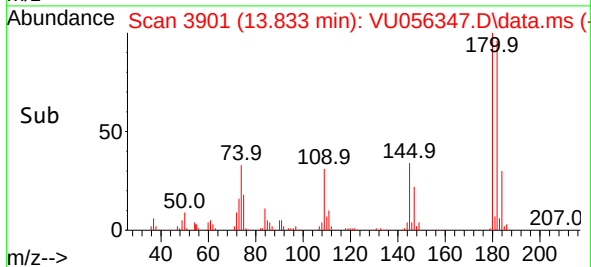
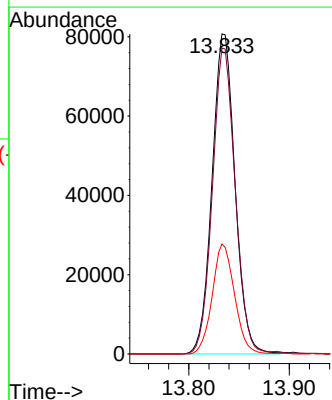
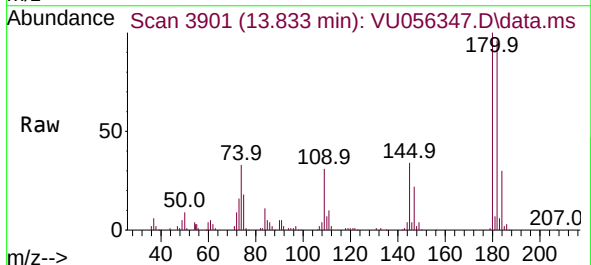


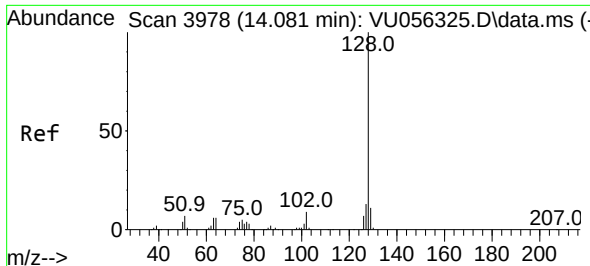
Tgt Ion:180 Resp: 166579  
 Ion Ratio Lower Upper  
 180 100  
 182 94.4 75.1 112.7  
 184 30.9 23.5 35.3  
 145 33.1 25.4 38.0



#70  
 1,2,4-trichlorobenzene  
 Concen: 5.119 ug/L  
 RT: 13.833 min Scan# 3901  
 Delta R.T. -0.000 min  
 Lab File: VU056347.D  
 Acq: 15 Nov 2023 09:43

Tgt Ion:180 Resp: 127807  
 Ion Ratio Lower Upper  
 180 100  
 182 94.9 75.4 113.2  
 145 33.5 26.8 40.2

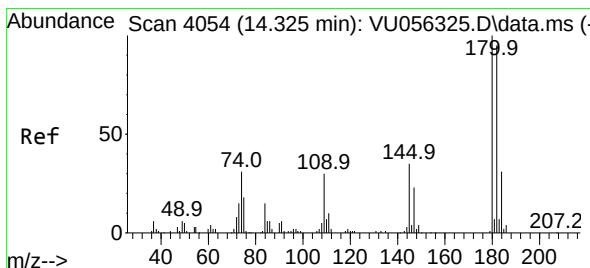
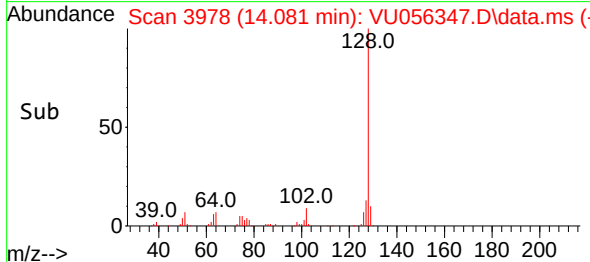
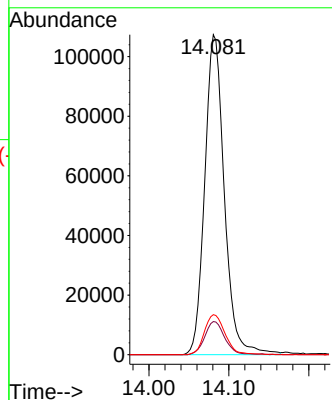
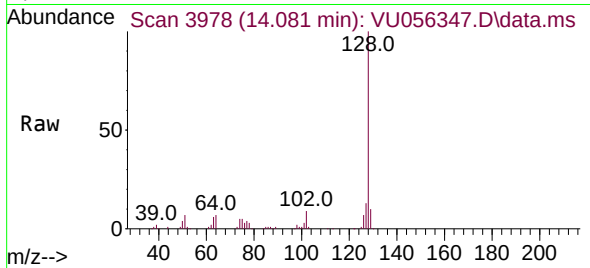




#71  
Naphthalene  
Concen: 4.860 ug/L  
RT: 14.081 min Scan# 3978  
Delta R.T. -0.000 min  
Lab File: VU056347.D  
Acq: 15 Nov 2023 09:43

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion:128 Resp: 183338  
Ion Ratio Lower Upper  
128 100  
129 10.5 8.6 12.8  
127 13.3 10.3 15.5



#72  
1,2,3-Trichlorobenzene  
Concen: 5.339 ug/L  
RT: 14.325 min Scan# 4054  
Delta R.T. -0.000 min  
Lab File: VU056347.D  
Acq: 15 Nov 2023 09:43

Tgt Ion:180 Resp: 109800  
Ion Ratio Lower Upper  
180 100  
182 93.0 78.6 117.8  
145 34.6 29.0 43.6

