

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\U091223\  
 Data File : VU055264.D  
 Acq On : 12 Sep 2023 21:46  
 Operator : MD/SY  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Sep 13 01:51:19 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR090123WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Sep 13 01:44:08 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.248  | 114   | 183433   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.415  | 117   | 201197   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.811 | 152   | 109538   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 33423    | 3.888    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 77.800%  |
| 7) Chloroethane-d5            | 1.907  | 69    | 55420    | 5.569    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 111.400% |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65    | 18502    | 3.777    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 75.600%  |
| 20) 2-Butanone-d5             | 4.628  | 46    | 158941   | 63.708   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 127.420% |
| 24) Chloroform-d              | 5.062  | 84    | 118135   | 5.178    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 103.600% |
| 26) 1,2-Dichloroethane-d4     | 5.698  | 65    | 61238    | 5.365    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 107.400% |
| 32) Benzene-d6                | 5.724  | 84    | 213233   | 4.294    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 85.800%  |
| 36) 1,2-Dichloropropane-d6    | 6.689  | 67    | 73308    | 4.641    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 92.800%  |
| 41) Toluene-d8                | 7.898  | 98    | 200458   | 4.382    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 87.600%  |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79    | 19957    | 4.588    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 91.800%  |
| 46) 2-Hexanone-d5             | 8.634  | 63    | 111678   | 63.237   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 126.480% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753 | 84    | 59285    | 5.337    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 106.800% |
| 66) 1,2-Dichlorobenzene-d4    | 12.193 | 152   | 76210    | 4.767    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 95.400%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.383  | 85    | 48229    | 4.525    | ug/L   | 99       |
| 3) Chloromethane              | 1.518  | 50    | 47704    | 4.396    | ug/L   | 97       |
| 5) Vinyl chloride             | 1.599  | 62    | 51965    | 4.539    | ug/L   | 97       |
| 6) Bromomethane               | 1.853  | 94    | 44240    | 6.408    | ug/L   | 100      |
| 8) Chloroethane               | 1.927  | 64    | 42522    | 5.705    | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 2.132  | 101   | 91105    | 5.473    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.576  | 101   | 46538    | 4.805    | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.576  | 96    | 38281    | 4.514    | ug/L   | 89       |
| 13) Acetone                   | 2.631  | 43    | 79550    | 47.575   | ug/L   | 100      |
| 14) Carbon disulfide          | 2.788  | 76    | 84735    | 4.080    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.952  | 43    | 18781    | 5.487    | ug/L   | 94       |
| 16) Methylene chloride        | 3.039  | 84    | 70540    | 5.444    | ug/L   | 97       |
| 17) Methyl tert-butyl Ether   | 3.361  | 73    | 118559   | 5.331    | ug/L   | 98       |
| 18) trans-1,2-Dichloroethene  | 3.351  | 96    | 41166    | 4.784    | ug/L   | 89       |
| 19) 1,1-Dichloroethane        | 3.866  | 63    | 95778    | 5.151    | ug/L   | 98       |
| 21) 2-Butanone                | 4.705  | 43    | 126371   | 51.439   | ug/L   | 94       |
| 22) cis-1,2-Dichloroethene    | 4.663  | 96    | 54129    | 5.139    | ug/L   | 96       |
| 23) Bromochloromethane        | 4.972  | 128   | 23678    | 5.466    | ug/L   | 93       |
| 25) Chloroform                | 5.084  | 83    | 105419   | 5.443    | ug/L   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU091223\  
 Data File : VU055264.D  
 Acq On : 12 Sep 2023 21:46  
 Operator : MD/SY  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Sep 13 01:51:19 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR090123WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Sep 13 01:44:08 2023  
 Response via : Initial Calibration

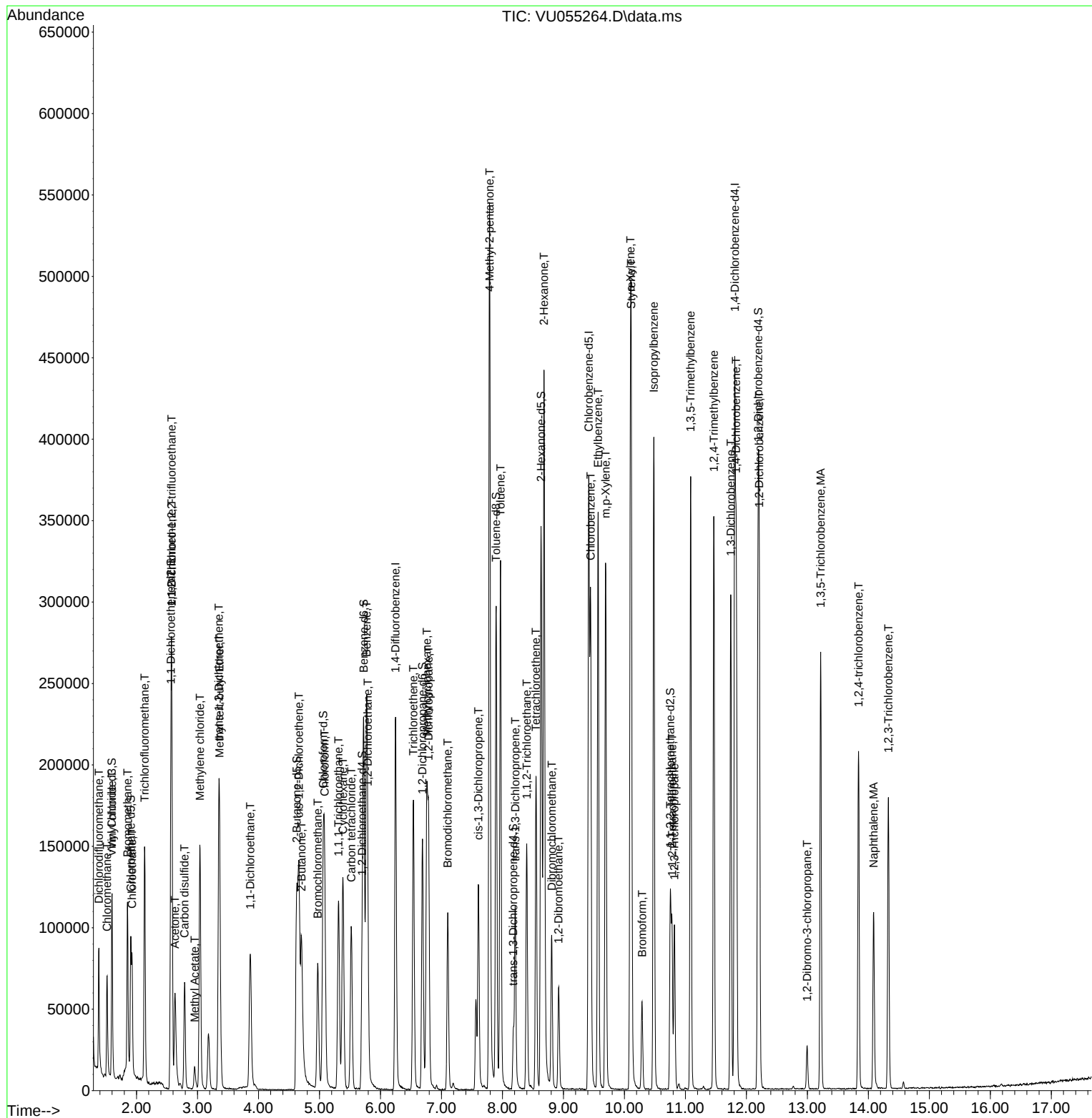
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.792  | 62   | 66575    | 5.632  | ug/L   | 97       |
| 29) 1,1,1-Trichloroethane     | 5.312  | 97   | 80896    | 4.648  | ug/L   | 98       |
| 30) Cyclohexane               | 5.386  | 56   | 60287    | 3.895  | ug/L   | 95       |
| 31) Carbon tetrachloride      | 5.521  | 117  | 67305    | 4.651  | ug/L   | 99       |
| 33) Benzene                   | 5.772  | 78   | 211975   | 4.950  | ug/L   | 100      |
| 34) Trichloroethene           | 6.541  | 95   | 58389    | 4.906  | ug/L   | 96       |
| 35) Methylcyclohexane         | 6.763  | 83   | 66683    | 3.994  | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 6.788  | 63   | 59338    | 5.090  | ug/L   | 99       |
| 38) Bromodichloromethane      | 7.103  | 83   | 68872    | 4.948  | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 7.605  | 75   | 76521    | 4.826  | ug/L   | 96       |
| 40) 4-Methyl-2-pentanone      | 7.788  | 43   | 344404   | 51.790 | ug/L   | 96       |
| 42) Toluene                   | 7.968  | 91   | 239316   | 5.242  | ug/L   | 96       |
| 44) trans-1,3-Dichloropropene | 8.209  | 75   | 64267    | 5.164  | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 8.399  | 97   | 46226    | 5.887  | ug/L   | 98       |
| 47) Tetrachloroethene         | 8.550  | 164  | 39633    | 4.819  | ug/L   | 97       |
| 48) 2-Hexanone                | 8.682  | 43   | 263669   | 50.619 | ug/L   | 96       |
| 49) Dibromochloromethane      | 8.807  | 129  | 46593    | 5.436  | ug/L   | 95       |
| 50) 1,2-Dibromoethane         | 8.920  | 107  | 41341    | 5.782  | ug/L # | 92       |
| 51) Chlorobenzene             | 9.447  | 112  | 158192   | 5.232  | ug/L   | 97       |
| 52) Ethylbenzene              | 9.569  | 91   | 253751   | 4.969  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.692  | 106  | 94119    | 4.980  | ug/L   | 97       |
| 54) o-Xylene                  | 10.100 | 106  | 94456    | 5.079  | ug/L   | 97       |
| 55) Styrene                   | 10.113 | 104  | 158982   | 5.177  | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.782 | 83   | 48181    | 4.926  | ug/L   | 96       |
| 59) Bromoform                 | 10.290 | 173  | 23241    | 5.310  | ug/L   | 96       |
| 60) Isopropylbenzene          | 10.483 | 105  | 255376   | 5.000  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.820 | 75   | 41827    | 5.754  | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 11.087 | 105  | 202087   | 4.756  | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.467 | 105  | 196431   | 4.691  | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 11.746 | 146  | 116928   | 4.768  | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 11.833 | 146  | 118897   | 4.865  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 12.212 | 146  | 114438   | 4.978  | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.997 | 75   | 7283     | 5.201  | ug/L   | 86       |
| 69) 1,3,5-Trichlorobenzene    | 13.219 | 180  | 75965    | 4.099  | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.839 | 180  | 57360    | 3.301  | ug/L   | 97       |
| 71) Naphthalene               | 14.087 | 128  | 88209    | 2.793  | ug/L   | 97       |
| 72) 1,2,3-Trichlorobenzene    | 14.328 | 180  | 50569    | 3.353  | ug/L   | 98       |

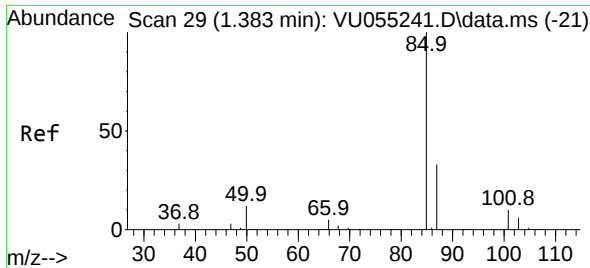
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU091223\  
Data File : VU055264.D  
Acq On : 12 Sep 2023 21:46  
Operator : MD/SY  
Sample : VSTDCCC005  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Sep 13 01:51:19 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR090123WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Wed Sep 13 01:44:08 2023  
Response via : Initial Calibration

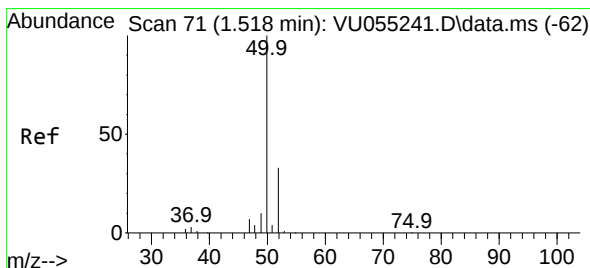
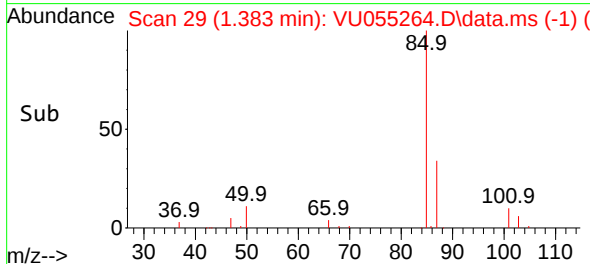
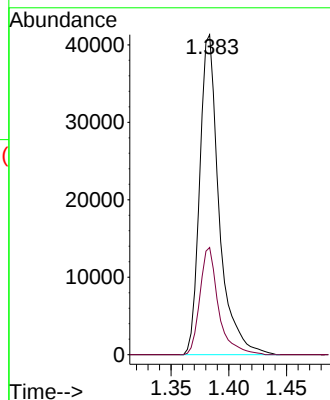
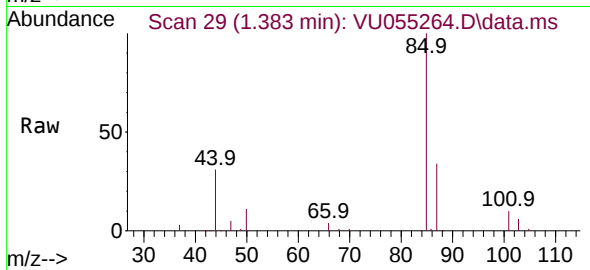




#2  
Dichlorodifluoromethane  
Concen: 4.525 ug/L  
RT: 1.383 min Scan# 29  
Delta R.T. 0.000 min  
Lab File: VU055264.D  
Acq: 12 Sep 2023 21:46

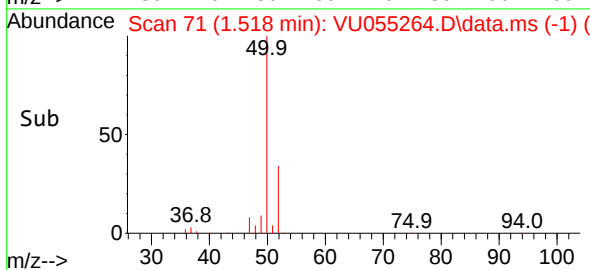
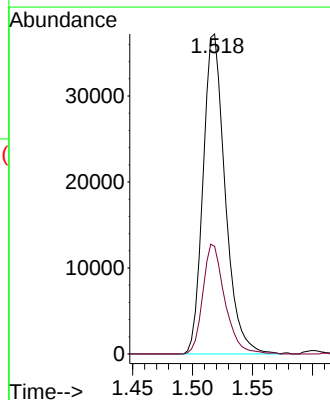
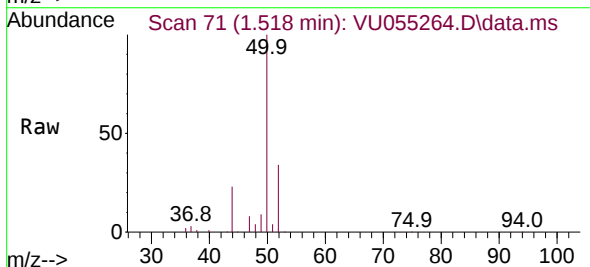
Instrument :  
MSVOA\_U  
ClientSampleId :

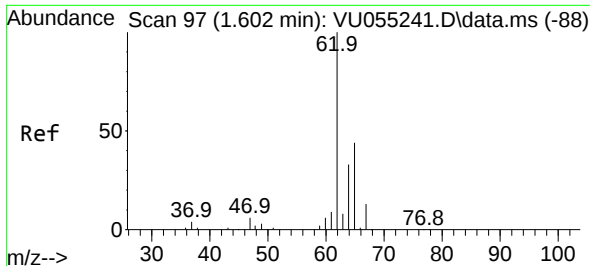
Tgt Ion: 85 Resp: 48229  
Ion Ratio Lower Upper  
85 100  
87 32.1 25.1 37.7



#3  
Chloromethane  
Concen: 4.396 ug/L  
RT: 1.518 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VU055264.D  
Acq: 12 Sep 2023 21:46

Tgt Ion: 50 Resp: 47704  
Ion Ratio Lower Upper  
50 100  
52 33.7 22.5 41.7

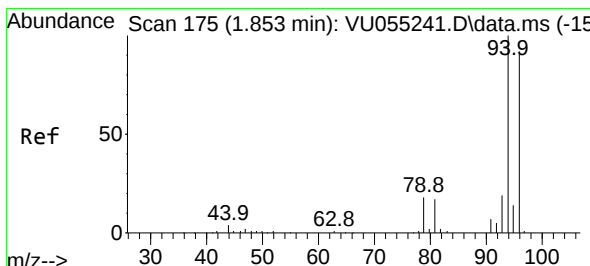
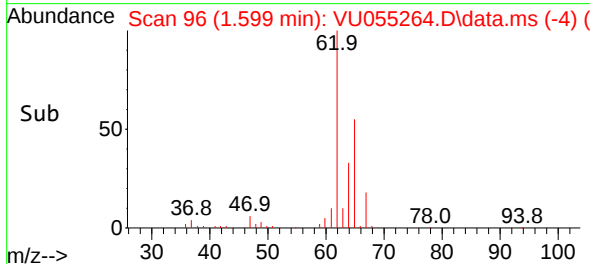
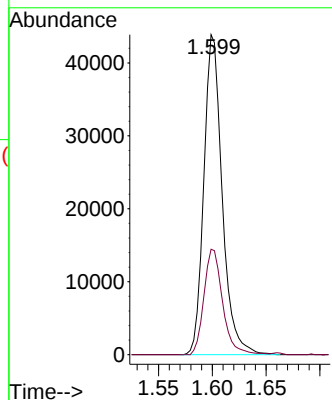
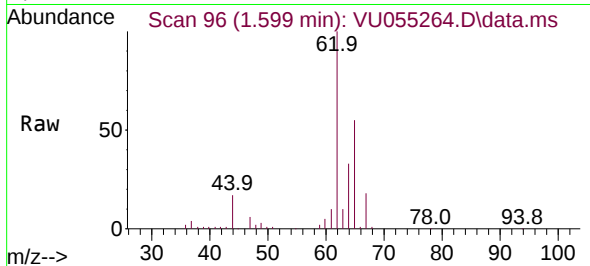




#5  
 Vinyl chloride  
 Concen: 4.539 ug/L  
 RT: 1.599 min Scan# 97  
 Delta R.T. -0.003 min  
 Lab File: VU055264.D  
 Acq: 12 Sep 2023 21:46

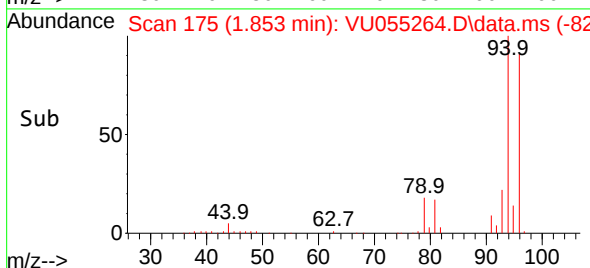
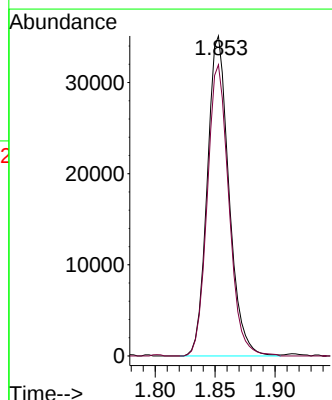
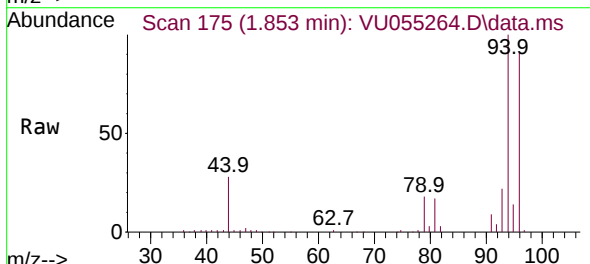
Instrument :  
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 ClientSampleId :

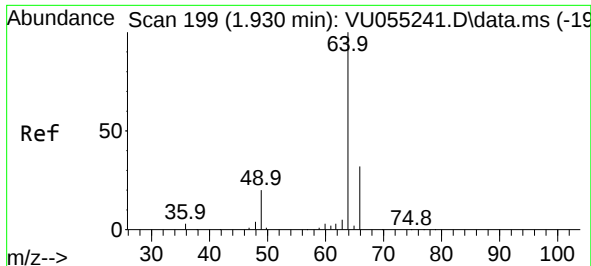
Tgt Ion: 62 Resp: 51965  
 Ion Ratio Lower Upper  
 62 100  
 64 33.0 24.2 45.0



#6  
 Bromomethane  
 Concen: 6.408 ug/L  
 RT: 1.853 min Scan# 175  
 Delta R.T. 0.000 min  
 Lab File: VU055264.D  
 Acq: 12 Sep 2023 21:46

Tgt Ion: 94 Resp: 44240  
 Ion Ratio Lower Upper  
 94 100  
 96 91.0 63.8 118.4

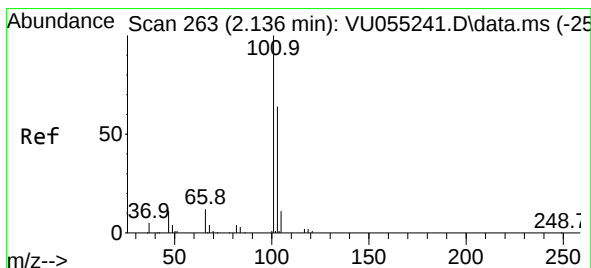
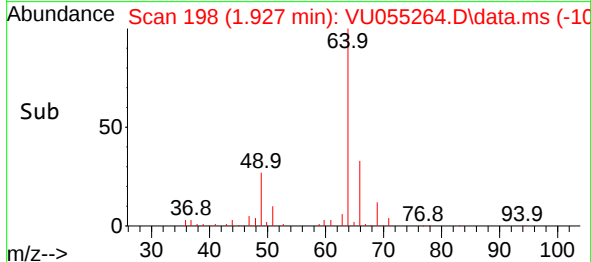
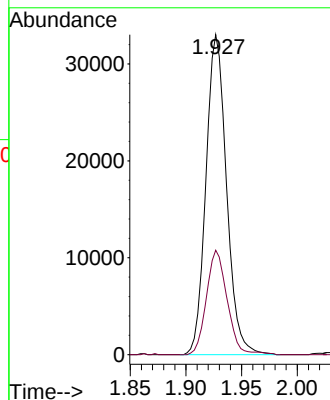
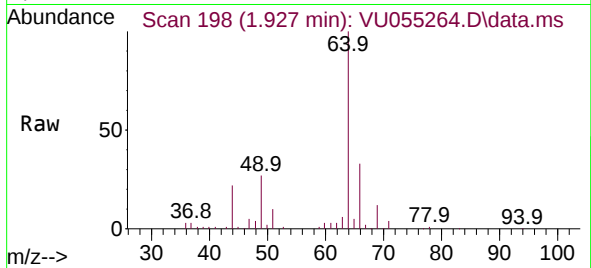




#8  
Chloroethane  
Concen: 5.705 ug/L  
RT: 1.927 min Scan# 19  
Delta R.T. -0.003 min  
Lab File: VU055264.D  
Acq: 12 Sep 2023 21:46

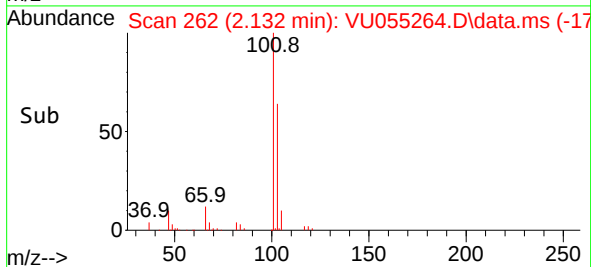
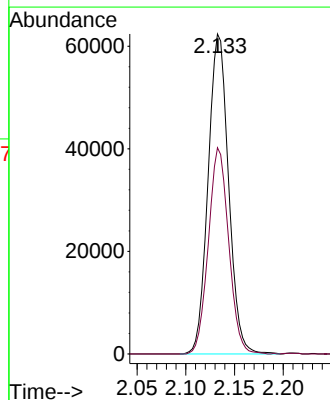
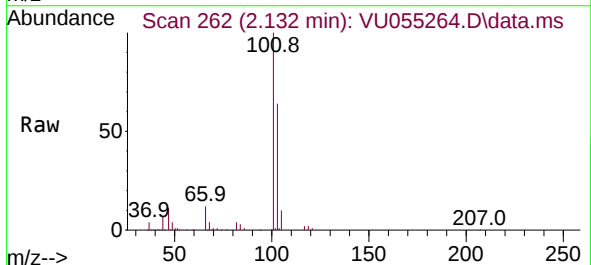
Instrument :  
MSVOA\_U  
ClientSampleId :

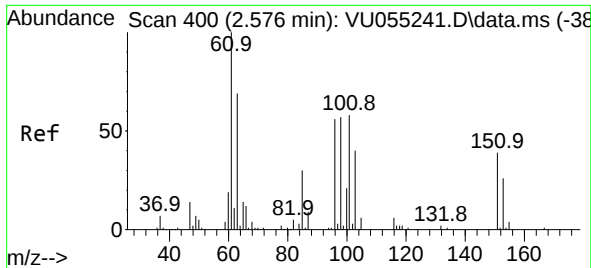
Tgt Ion: 64 Resp: 42522  
Ion Ratio Lower Upper  
64 100  
66 32.7 22.4 41.6



#9  
Trichlorofluoromethane  
Concen: 5.473 ug/L  
RT: 2.132 min Scan# 262  
Delta R.T. -0.003 min  
Lab File: VU055264.D  
Acq: 12 Sep 2023 21:46

Tgt Ion:101 Resp: 91105  
Ion Ratio Lower Upper  
101 100  
103 64.0 51.9 77.9

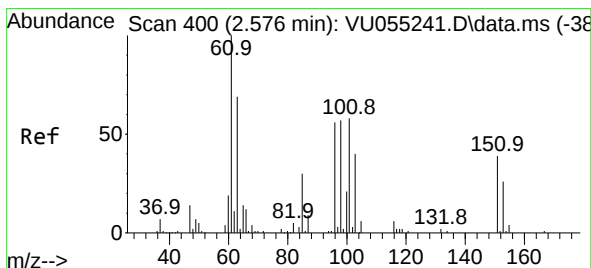
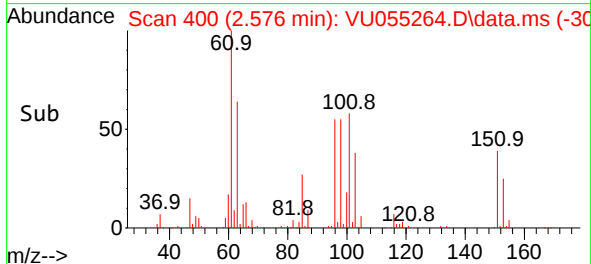
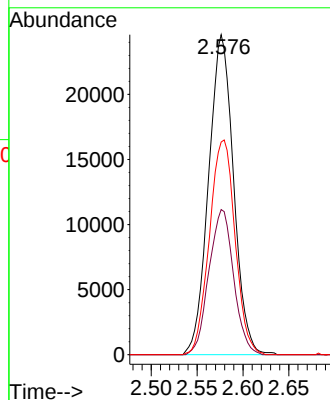
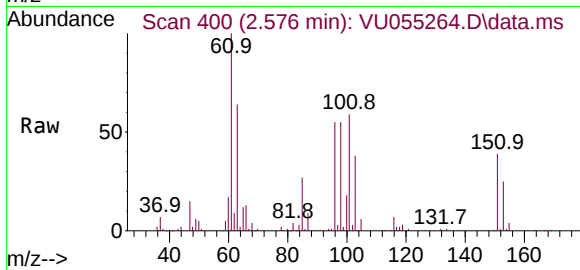




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 4.805 ug/L  
 RT: 2.576 min Scan# 400  
 Delta R.T. 0.000 min  
 Lab File: VU055264.D  
 Acq: 12 Sep 2023 21:46

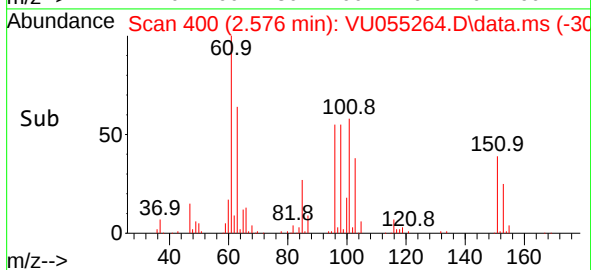
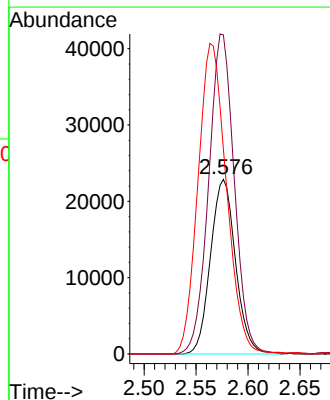
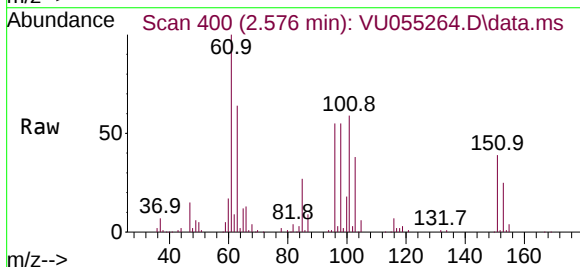
Instrument :  
 MSVOA\_U  
 ClientSampleId :

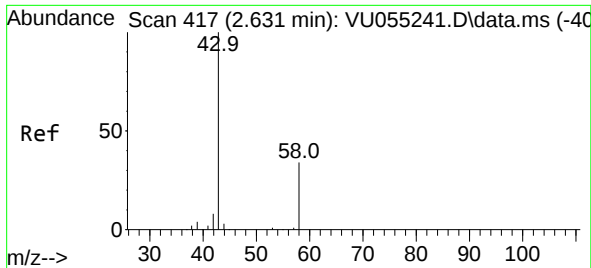
Tgt Ion:101 Resp: 46538  
 Ion Ratio Lower Upper  
 101 100  
 85 44.8 37.3 55.9  
 151 69.0 57.6 86.4



#12  
 1,1-Dichloroethene  
 Concen: 4.514 ug/L  
 RT: 2.576 min Scan# 400  
 Delta R.T. 0.000 min  
 Lab File: VU055264.D  
 Acq: 12 Sep 2023 21:46

Tgt Ion: 96 Resp: 38281  
 Ion Ratio Lower Upper  
 96 100  
 61 182.7 120.8 224.4  
 63 117.2 94.5 175.5





#13

Acetone

Concen: 47.575 ug/L

RT: 2.631 min Scan# 417

Delta R.T. 0.000 min

Lab File: VU055264.D

Acq: 12 Sep 2023 21:46

Instrument :

MSVOA\_U

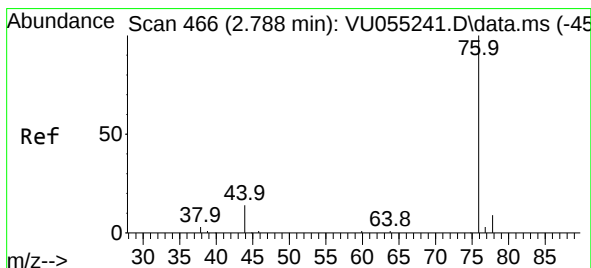
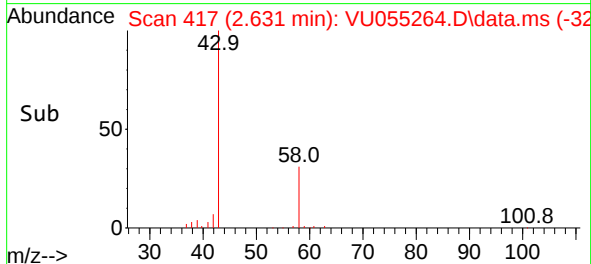
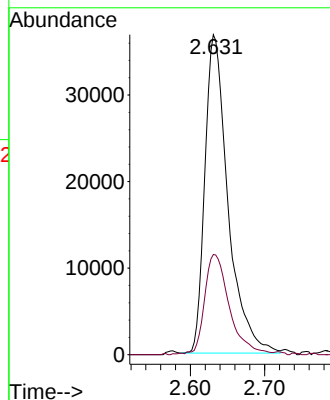
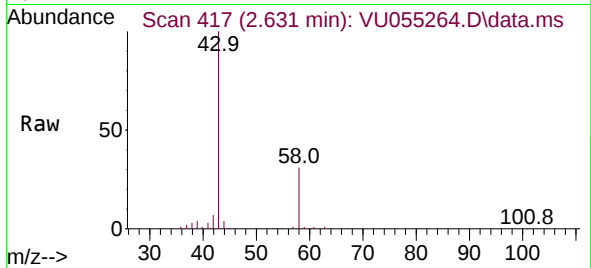
ClientSampleId :

Tgt Ion: 43 Resp: 79550

Ion Ratio Lower Upper

43 100

58 33.9 0.0 67.8



#14

Carbon disulfide

Concen: 4.080 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU055264.D

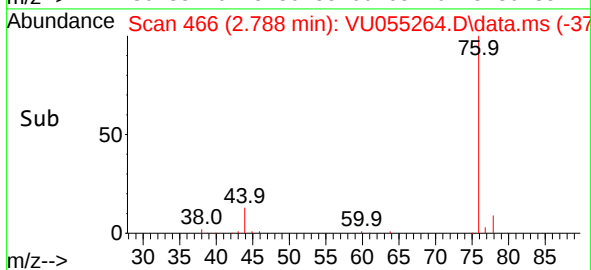
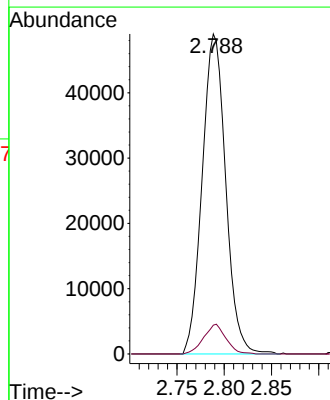
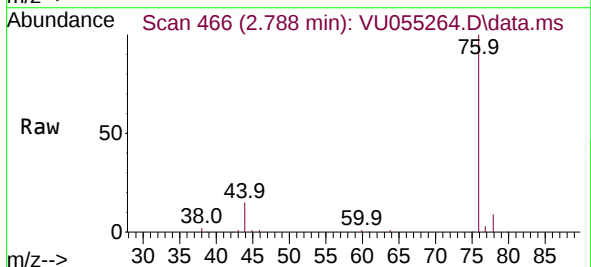
Acq: 12 Sep 2023 21:46

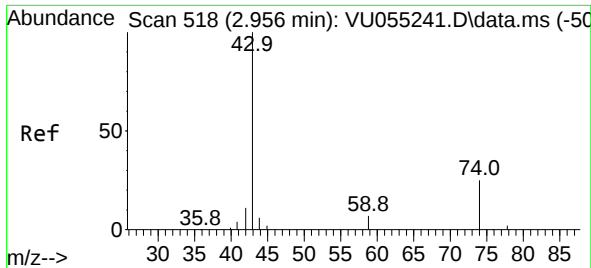
Tgt Ion: 76 Resp: 84735

Ion Ratio Lower Upper

76 100

78 9.0 6.8 10.2

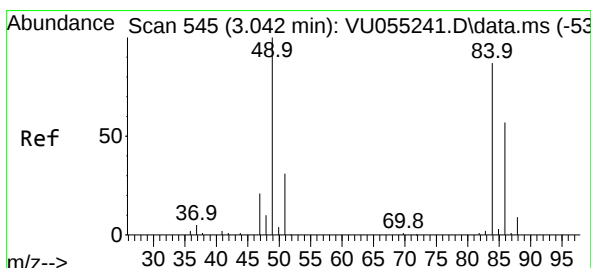
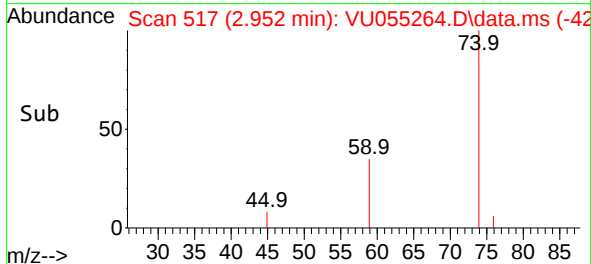
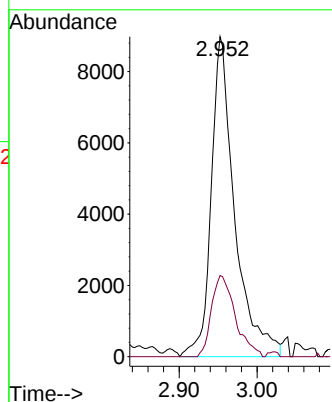
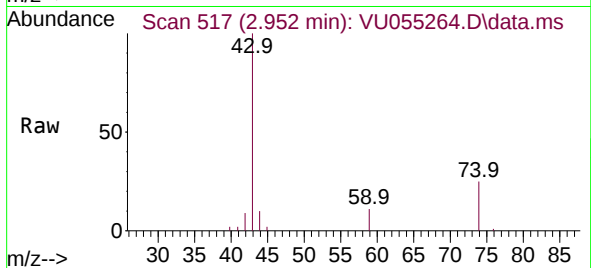




#15  
Methyl Acetate  
Concen: 5.487 ug/L  
RT: 2.952 min Scan# 517  
Delta R.T. -0.003 min  
Lab File: VU055264.D  
Acq: 12 Sep 2023 21:46

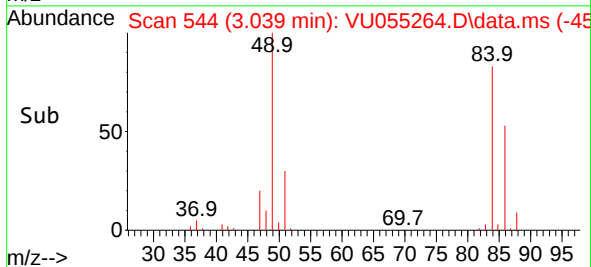
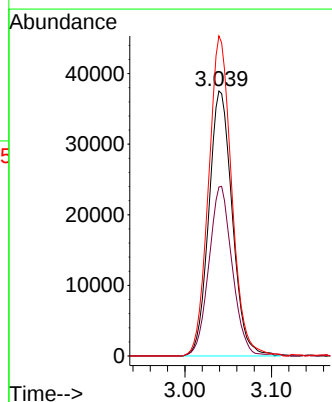
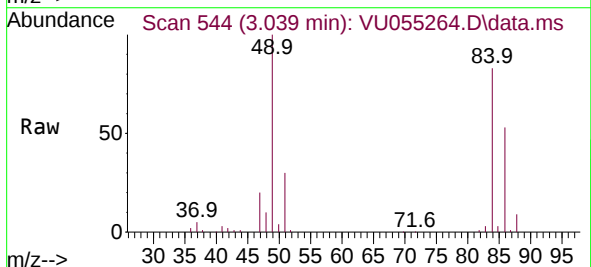
Instrument :  
MSVOA\_U  
ClientSampleId :

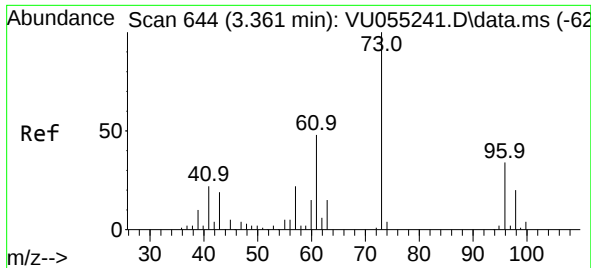
Tgt Ion: 43 Resp: 18781  
Ion Ratio Lower Upper  
43 100  
74 25.7 18.4 27.6



#16  
Methylene chloride  
Concen: 5.444 ug/L  
RT: 3.039 min Scan# 544  
Delta R.T. -0.003 min  
Lab File: VU055264.D  
Acq: 12 Sep 2023 21:46

Tgt Ion: 84 Resp: 70540  
Ion Ratio Lower Upper  
84 100  
86 63.8 43.4 80.6  
49 120.8 87.7 162.9

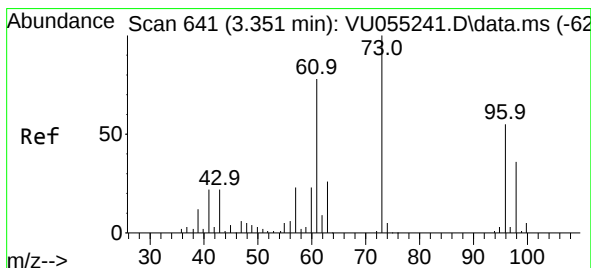
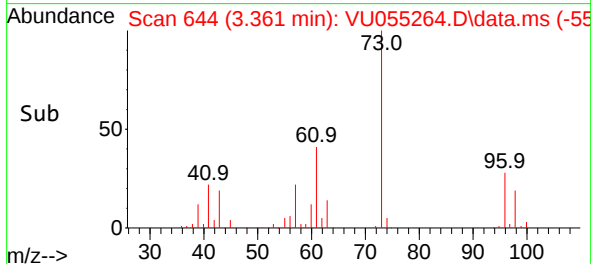
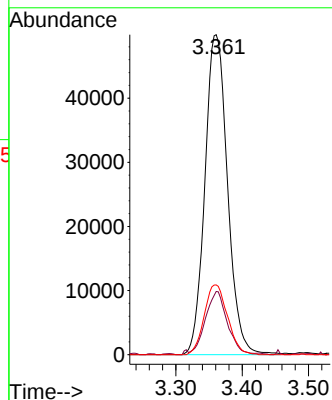
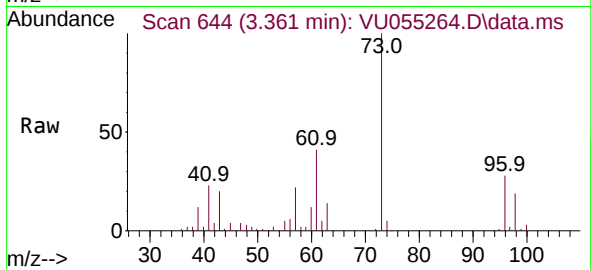




#17  
Methyl tert-butyl Ether  
Concen: 5.331 ug/L  
RT: 3.361 min Scan# 644  
Delta R.T. 0.000 min  
Lab File: VU055264.D  
Acq: 12 Sep 2023 21:46

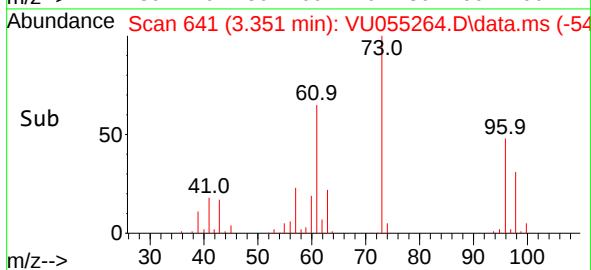
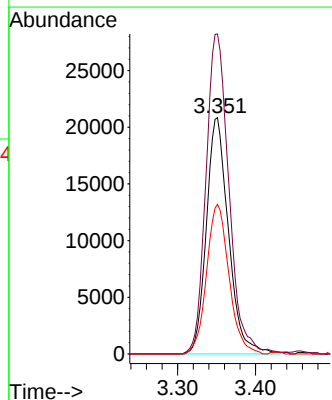
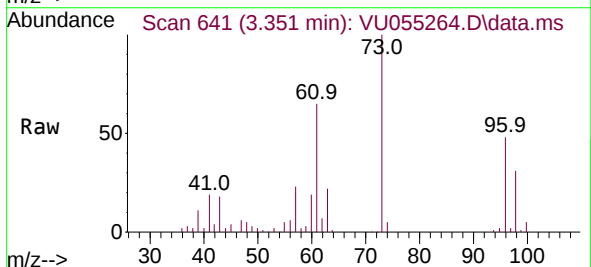
Instrument :  
MSVOA\_U  
ClientSampleId :

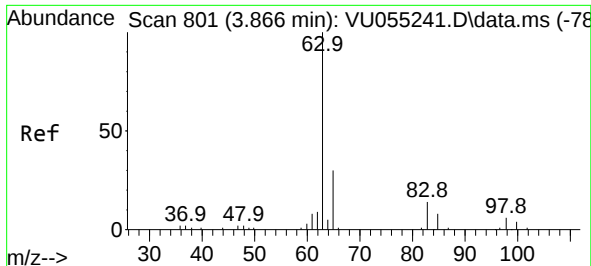
Tgt Ion: 73 Resp: 118559  
Ion Ratio Lower Upper  
73 100  
43 18.5 16.2 24.2  
57 22.4 17.4 26.2



#18  
trans-1,2-Dichloroethene  
Concen: 4.784 ug/L  
RT: 3.351 min Scan# 641  
Delta R.T. 0.000 min  
Lab File: VU055264.D  
Acq: 12 Sep 2023 21:46

Tgt Ion: 96 Resp: 41166  
Ion Ratio Lower Upper  
96 100  
61 135.4 108.1 200.9  
98 63.3 45.4 84.4





#19

1,1-Dichloroethane

Concen: 5.151 ug/L

RT: 3.866 min Scan# 801

Delta R.T. 0.000 min

Lab File: VU055264.D

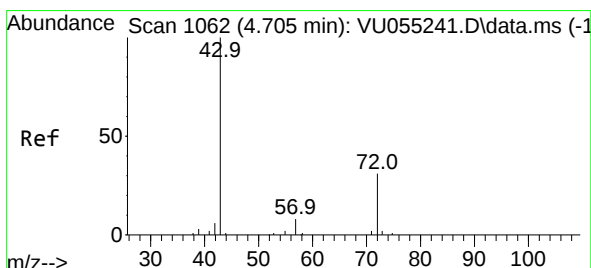
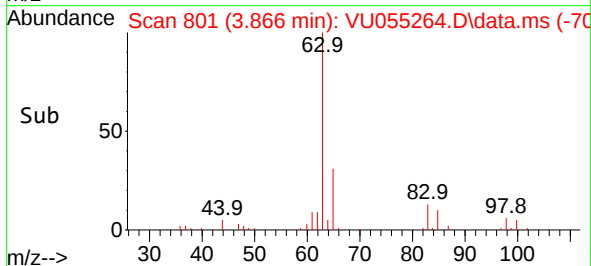
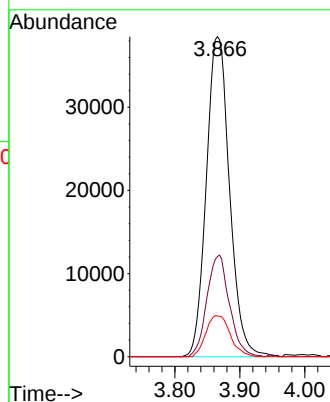
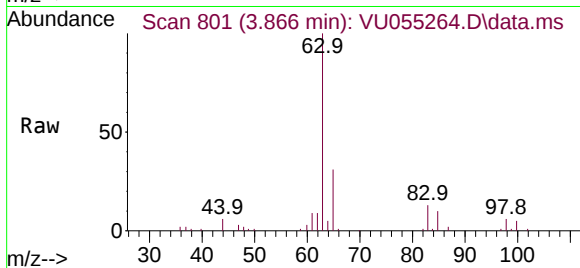
Acq: 12 Sep 2023 21:46

Instrument :

MSVOA\_U

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 63    | Resp: | 95778 |
| Ion Ratio | Lower | Upper |       |
| 63        | 100   |       |       |
| 65        | 31.3  | 22.2  | 41.2  |
| 83        | 12.8  | 10.6  | 19.8  |



#21

2-Butanone

Concen: 51.439 ug/L

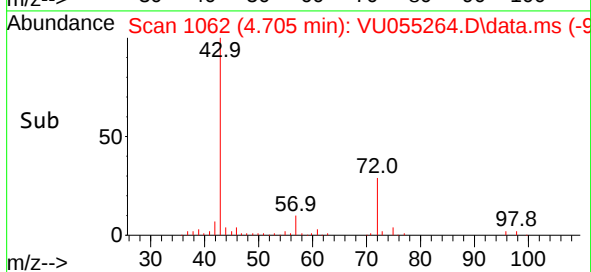
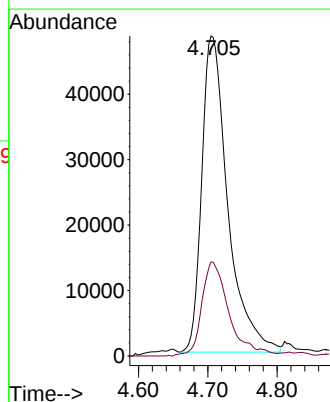
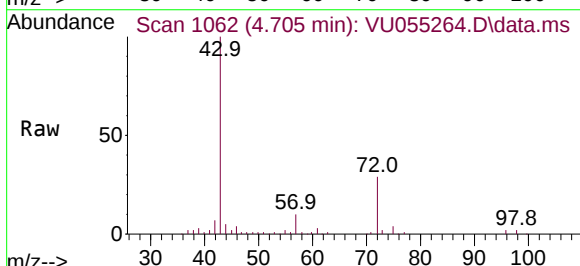
RT: 4.705 min Scan# 1062

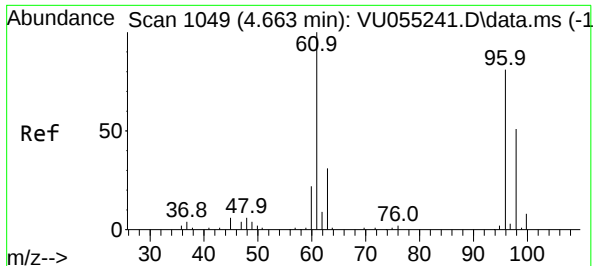
Delta R.T. 0.000 min

Lab File: VU055264.D

Acq: 12 Sep 2023 21:46

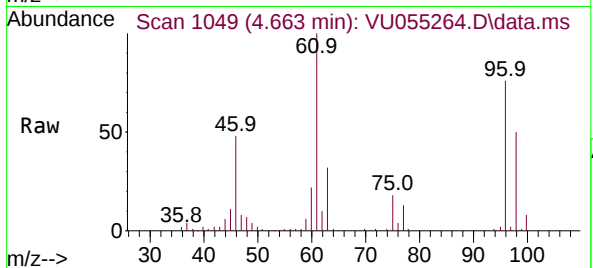
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 126371 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 72        | 30.0  | 13.5  | 40.5   |



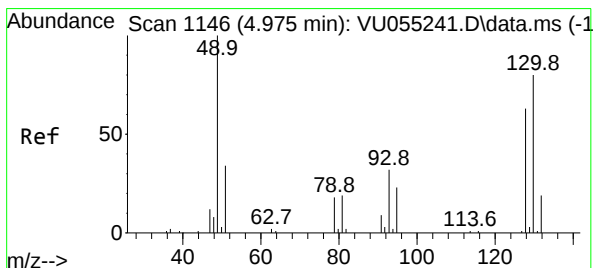
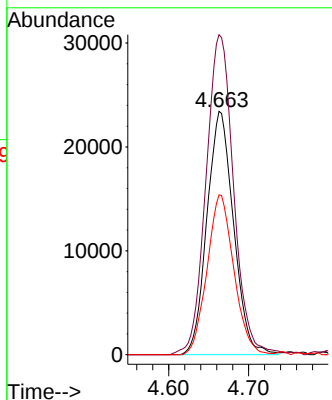
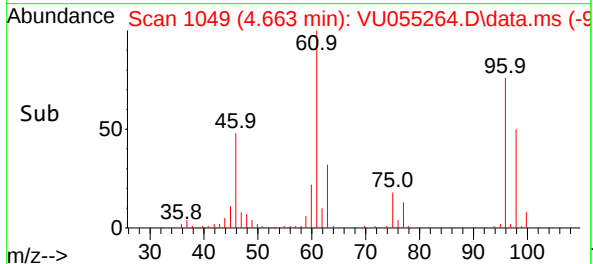


#22  
 cis-1,2-Dichloroethene  
 Concen: 5.139 ug/L  
 RT: 4.663 min Scan# 1049  
 Delta R.T. 0.000 min  
 Lab File: VU055264.D  
 Acq: 12 Sep 2023 21:46

Instrument :  
 MSVOA\_U  
 ClientSampleId :

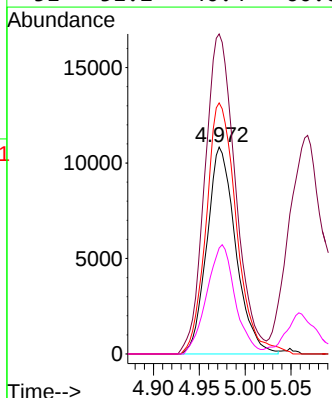
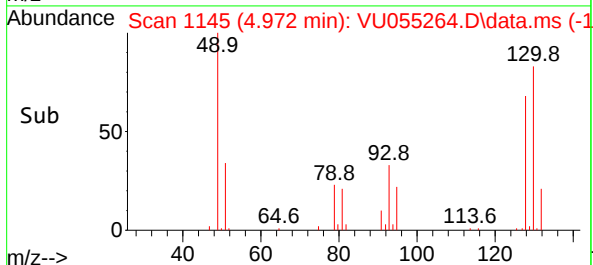
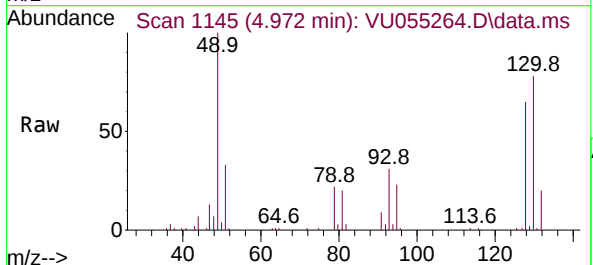


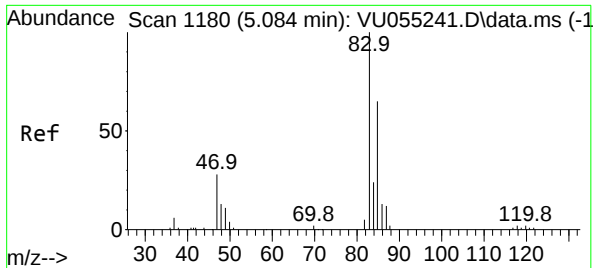
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 54129 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 131.5 | 97.2  | 180.4 |
| 98       | 65.7  | 46.1  | 85.7  |



#23  
 Bromochloromethane  
 Concen: 5.466 ug/L  
 RT: 4.972 min Scan# 1145  
 Delta R.T. -0.003 min  
 Lab File: VU055264.D  
 Acq: 12 Sep 2023 21:46

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 23678 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 49       | 154.7 | 118.9 | 220.9 |
| 130      | 121.4 | 88.0  | 163.4 |
| 51       | 51.2  | 40.4  | 60.6  |





#25

Chloroform

Concen: 5.443 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VU055264.D

Acq: 12 Sep 2023 21:46

Instrument :

MSVOA\_U

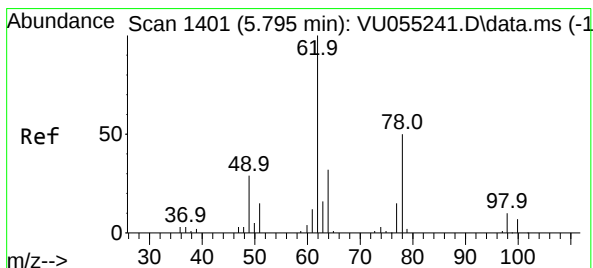
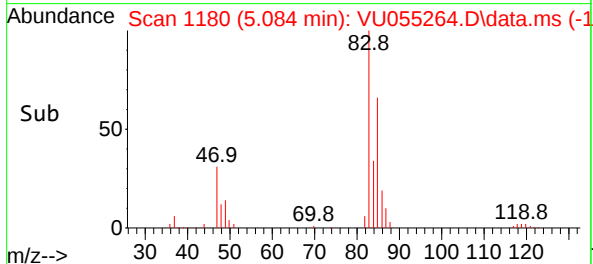
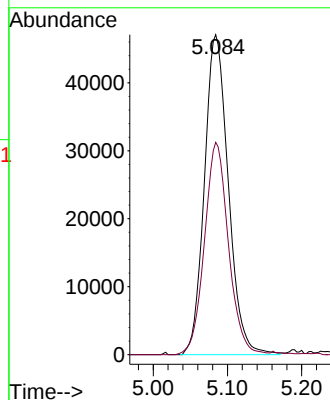
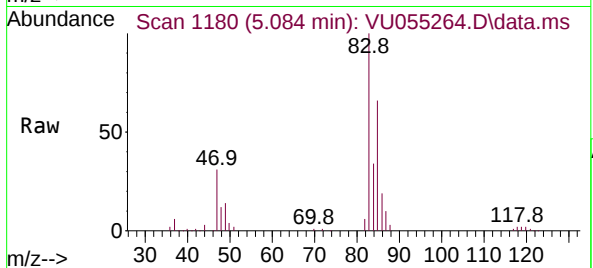
ClientSampleId :

Tgt Ion: 83 Resp: 105419

Ion Ratio Lower Upper

83 100

85 66.3 47.2 87.6



#27

1,2-Dichloroethane

Concen: 5.632 ug/L

RT: 5.792 min Scan# 1400

Delta R.T. -0.003 min

Lab File: VU055264.D

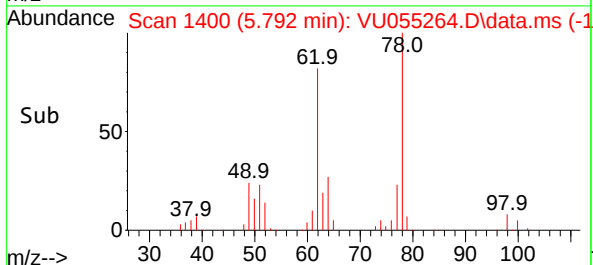
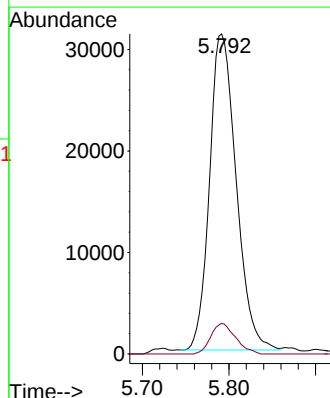
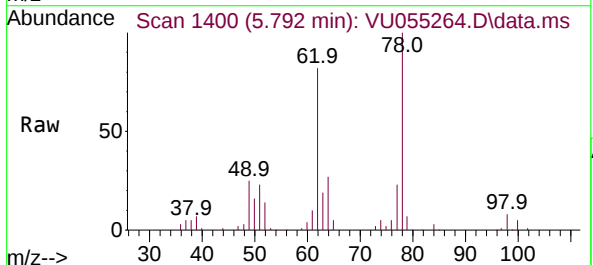
Acq: 12 Sep 2023 21:46

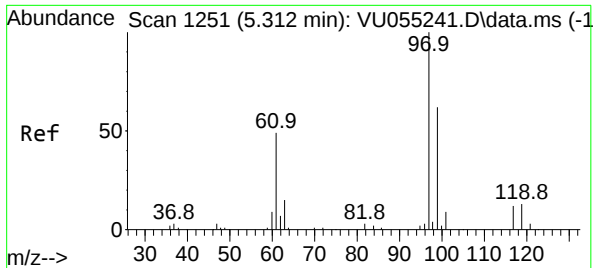
Tgt Ion: 62 Resp: 66575

Ion Ratio Lower Upper

62 100

98 9.6 6.9 10.3

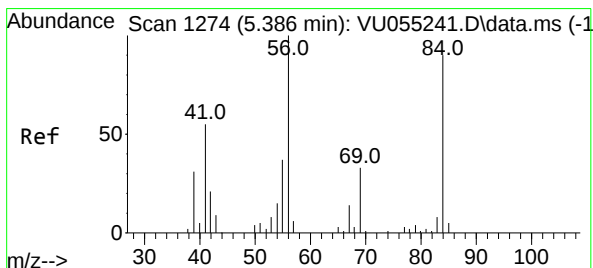
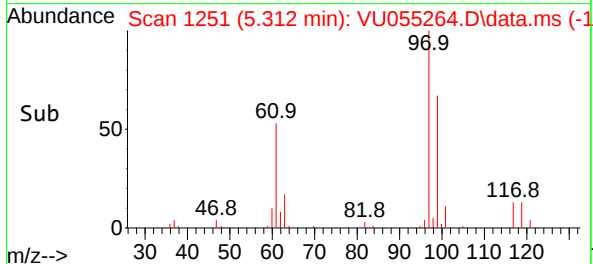
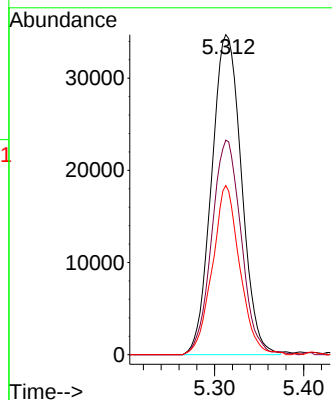
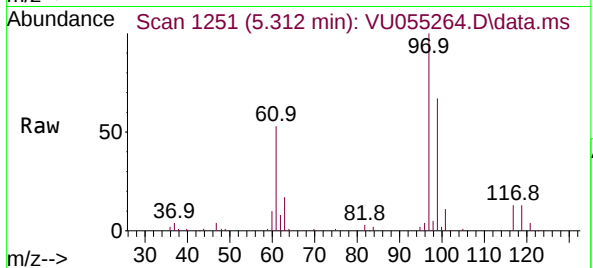




#29  
1,1,1-Trichloroethane  
Concen: 4.648 ug/L  
RT: 5.312 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU055264.D  
Acq: 12 Sep 2023 21:46

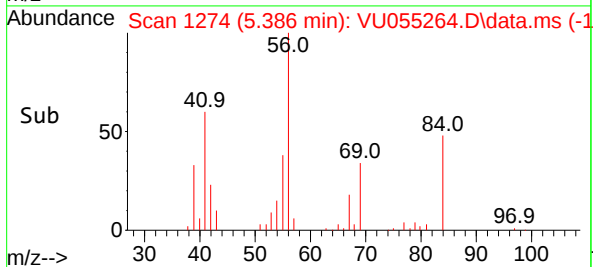
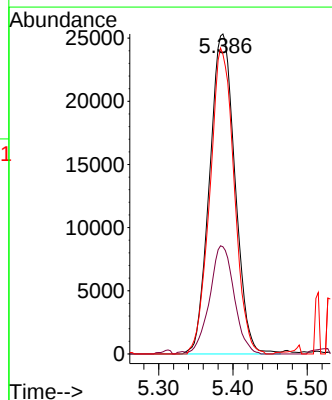
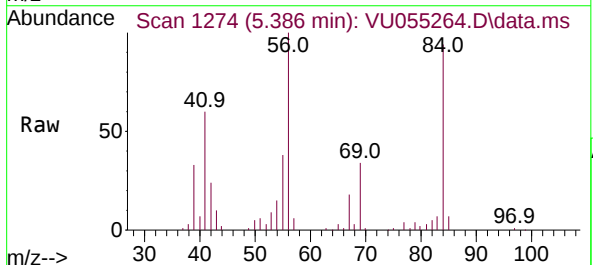
Instrument :  
MSVOA\_U  
ClientSampleId :

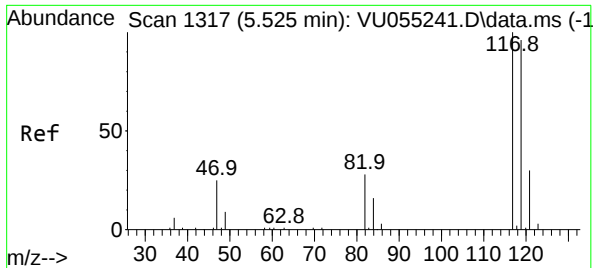
Tgt Ion: 97 Resp: 80896  
Ion Ratio Lower Upper  
97 100  
99 65.8 51.8 77.8  
61 48.6 36.8 55.2



#30  
Cyclohexane  
Concen: 3.895 ug/L  
RT: 5.386 min Scan# 1274  
Delta R.T. 0.000 min  
Lab File: VU055264.D  
Acq: 12 Sep 2023 21:46

Tgt Ion: 56 Resp: 60287  
Ion Ratio Lower Upper  
56 100  
69 32.5 24.6 37.0  
84 91.2 68.8 103.2

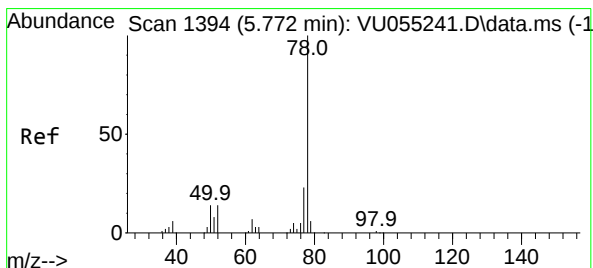
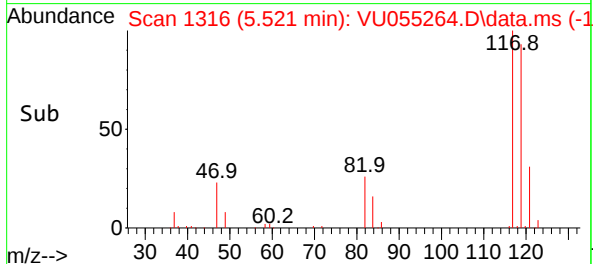
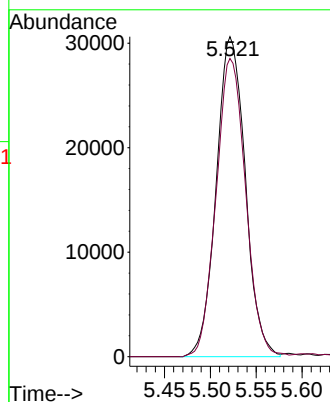
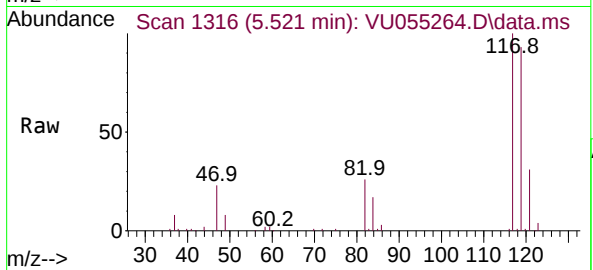




#31  
Carbon tetrachloride  
Concen: 4.651 ug/L  
RT: 5.521 min Scan# 1317  
Delta R.T. -0.003 min  
Lab File: VU055264.D  
Acq: 12 Sep 2023 21:46

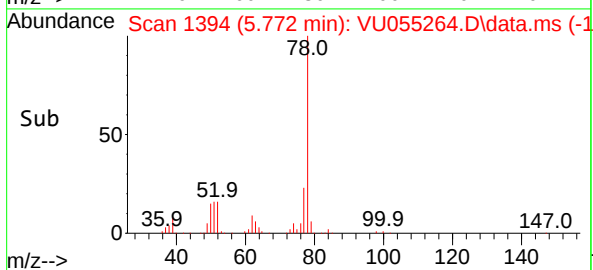
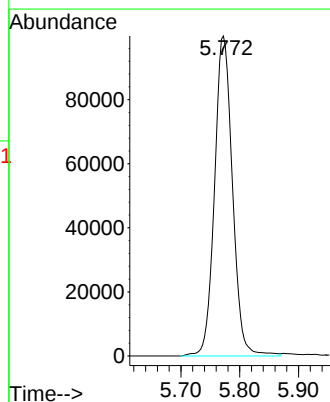
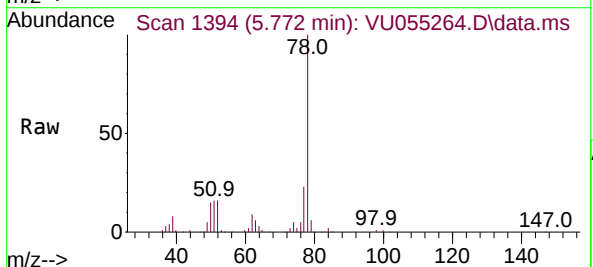
Instrument :  
MSVOA\_U  
ClientSampleId :

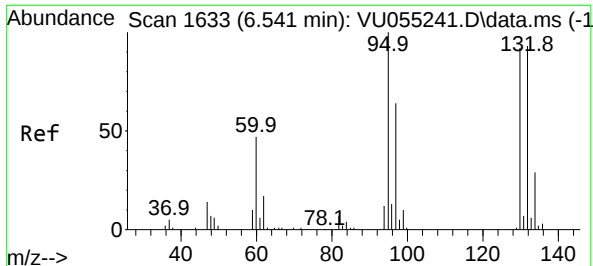
Tgt Ion:117 Resp: 67305  
Ion Ratio Lower Upper  
117 100  
119 94.9 75.4 113.0



#33  
Benzene  
Concen: 4.950 ug/L  
RT: 5.772 min Scan# 1394  
Delta R.T. 0.000 min  
Lab File: VU055264.D  
Acq: 12 Sep 2023 21:46

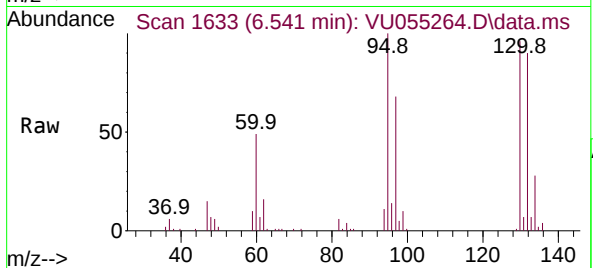
Tgt Ion: 78 Resp: 211975



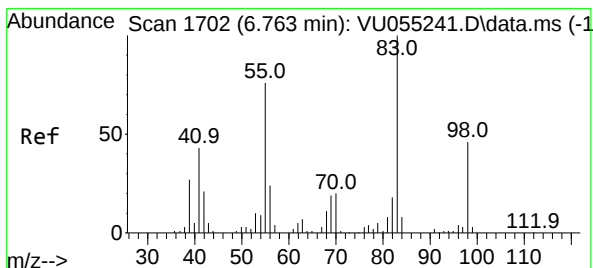
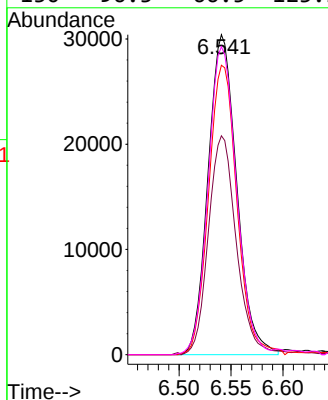
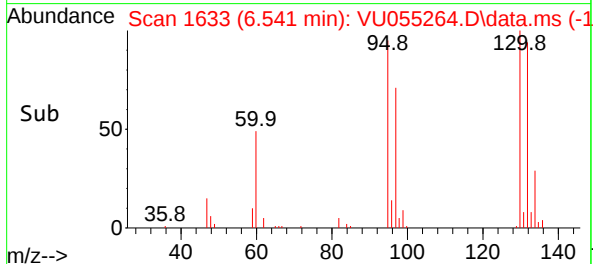


#34  
Trichloroethene  
Concen: 4.906 ug/L  
RT: 6.541 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VU055264.D  
Acq: 12 Sep 2023 21:46

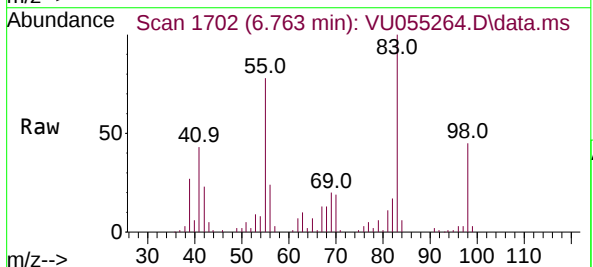
Instrument :  
MSVOA\_U  
ClientSampleId :



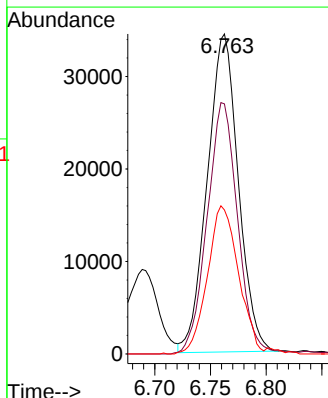
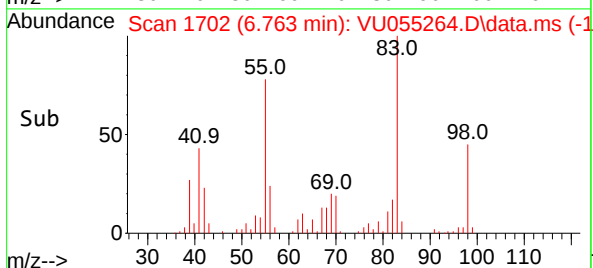
Tgt Ion: 95 Resp: 58389  
Ion Ratio Lower Upper  
95 100  
97 68.4 44.7 83.1  
132 90.5 66.6 123.6  
130 96.3 66.5 123.5

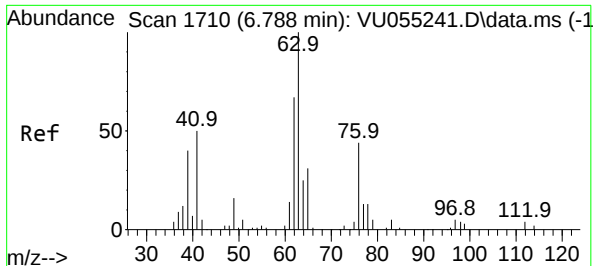


#35  
Methylcyclohexane  
Concen: 3.994 ug/L  
RT: 6.763 min Scan# 1702  
Delta R.T. 0.000 min  
Lab File: VU055264.D  
Acq: 12 Sep 2023 21:46



Tgt Ion: 83 Resp: 66683  
Ion Ratio Lower Upper  
83 100  
55 77.7 60.4 90.6  
98 46.5 35.3 52.9





#37

1,2-Dichloropropane

Concen: 5.090 ug/L

RT: 6.788 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU055264.D

Acq: 12 Sep 2023 21:46

Instrument :

MSVOA\_U

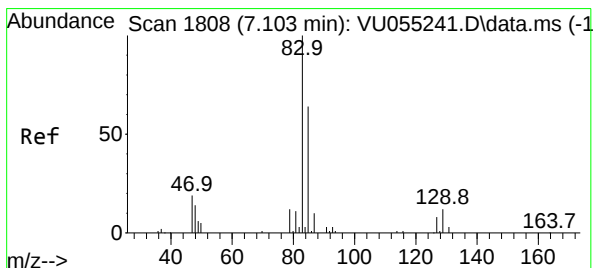
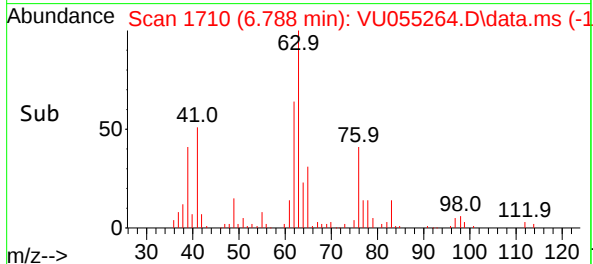
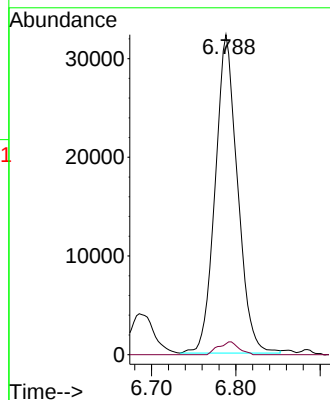
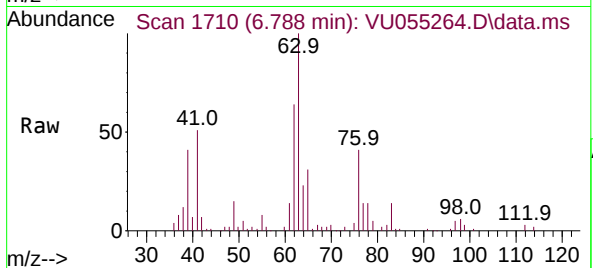
ClientSampleId :

Tgt Ion: 63 Resp: 59338

Ion Ratio Lower Upper

63 100

112 3.7 3.2 4.8



#38

Bromodichloromethane

Concen: 4.948 ug/L

RT: 7.103 min Scan# 1808

Delta R.T. 0.000 min

Lab File: VU055264.D

Acq: 12 Sep 2023 21:46

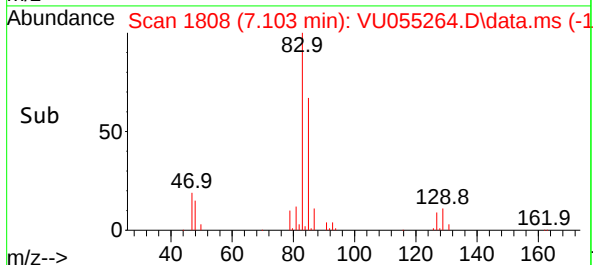
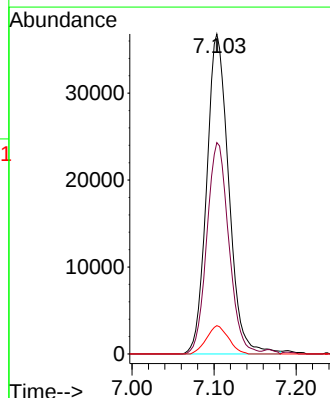
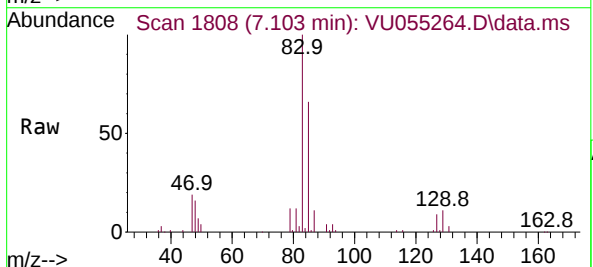
Tgt Ion: 83 Resp: 68872

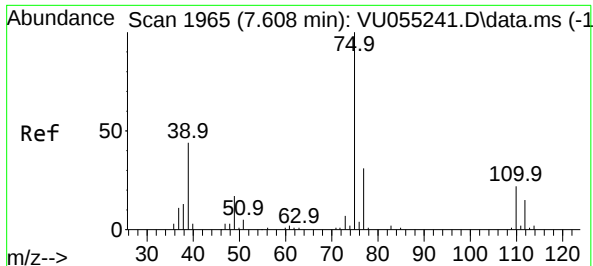
Ion Ratio Lower Upper

83 100

85 66.1 44.9 83.5

127 8.8 7.8 11.8





#39

cis-1,3-Dichloropropene

Concen: 4.826 ug/L

RT: 7.605 min Scan# 1965

Delta R.T. -0.003 min

Lab File: VU055264.D

Acq: 12 Sep 2023 21:46

Instrument :

MSVOA\_U

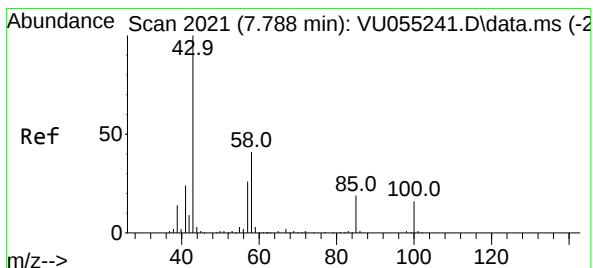
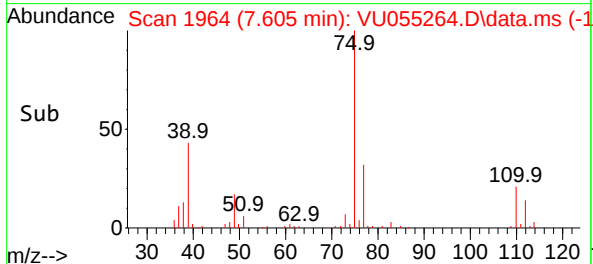
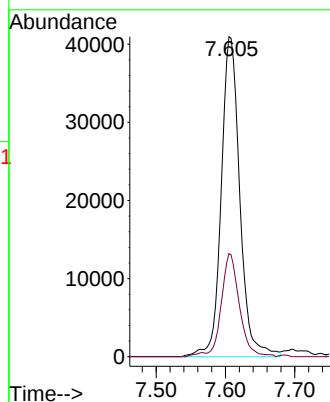
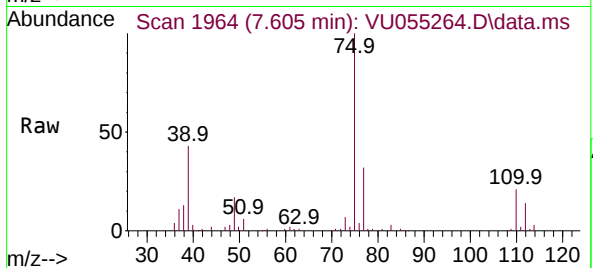
ClientSampleId :

Tgt Ion: 75 Resp: 76521

Ion Ratio Lower Upper

75 100

77 32.2 20.9 38.9



#40

4-Methyl-2-pentanone

Concen: 51.790 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. 0.000 min

Lab File: VU055264.D

Acq: 12 Sep 2023 21:46

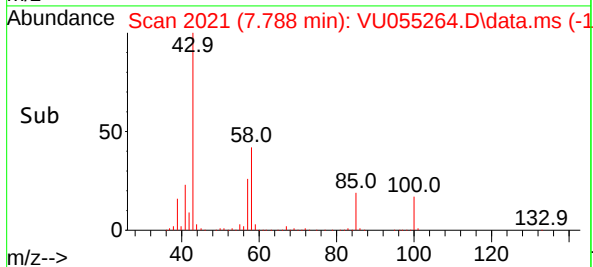
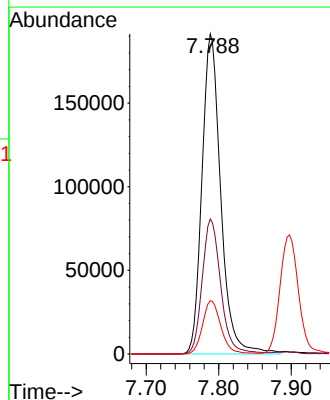
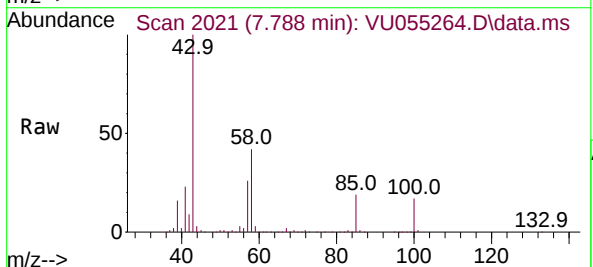
Tgt Ion: 43 Resp: 344404

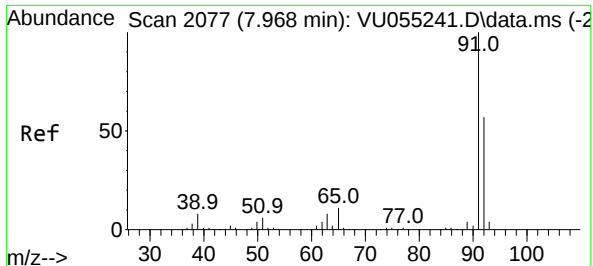
Ion Ratio Lower Upper

43 100

58 41.8 31.5 47.3

100 16.3 11.8 17.8





#42

Toluene

Concen: 5.242 ug/L

RT: 7.968 min Scan# 2077

Delta R.T. 0.000 min

Lab File: VU055264.D

Acq: 12 Sep 2023 21:46

Instrument :

MSVOA\_U

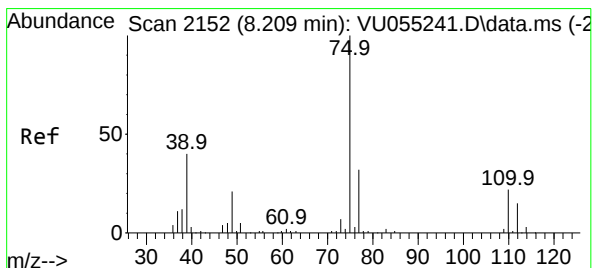
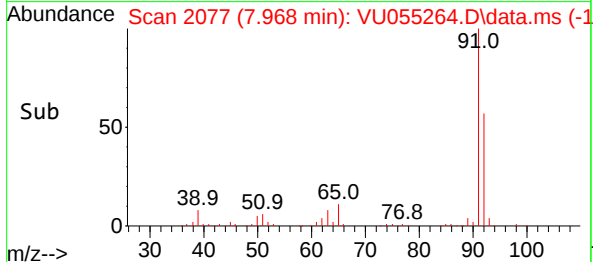
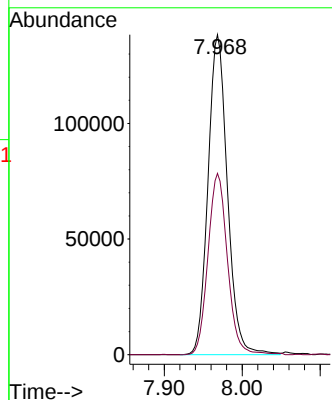
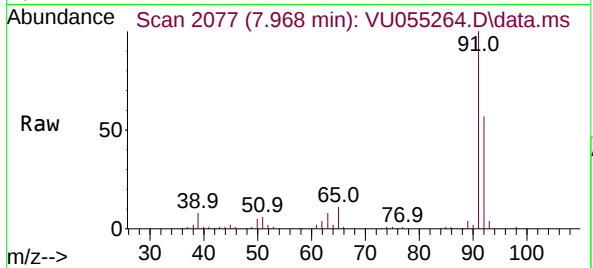
ClientSampleId :

Tgt Ion: 91 Resp: 239316

Ion Ratio Lower Upper

91 100

92 56.7 41.9 77.9



#44

trans-1,3-Dichloropropene

Concen: 5.164 ug/L

RT: 8.209 min Scan# 2152

Delta R.T. 0.000 min

Lab File: VU055264.D

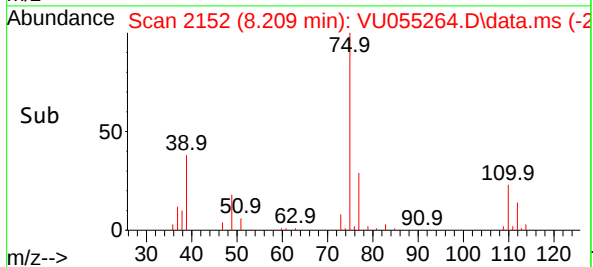
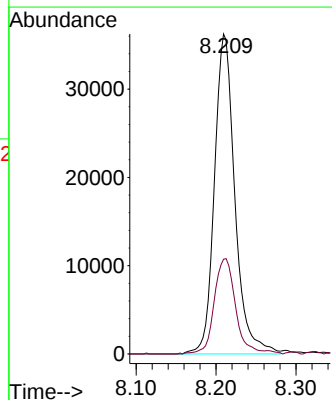
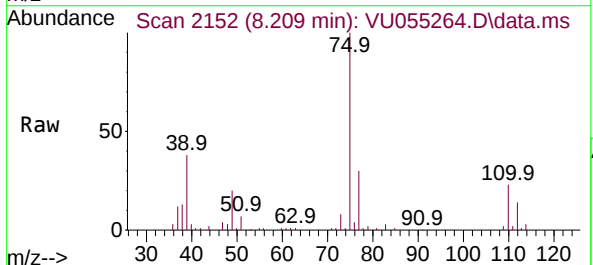
Acq: 12 Sep 2023 21:46

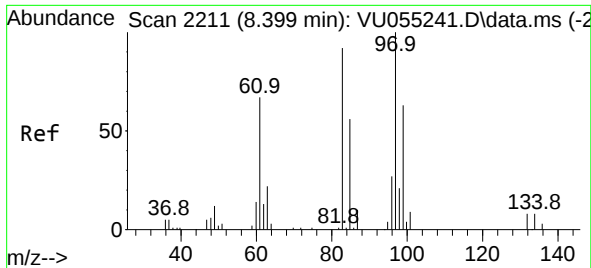
Tgt Ion: 75 Resp: 64267

Ion Ratio Lower Upper

75 100

77 29.6 20.5 38.1

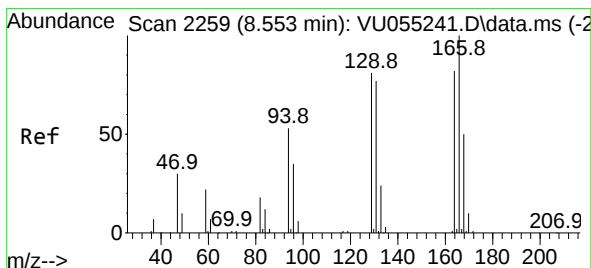
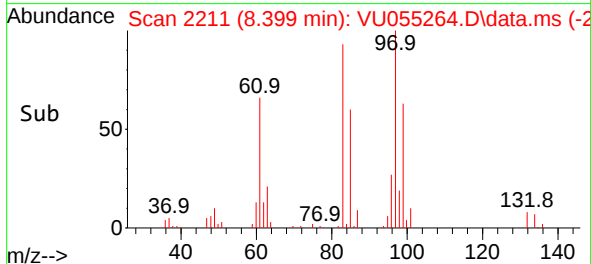
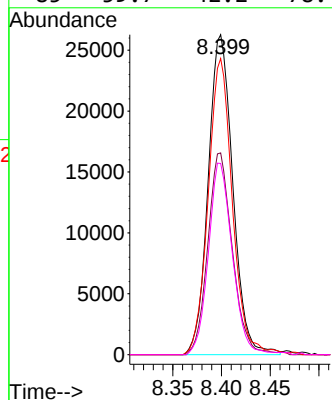
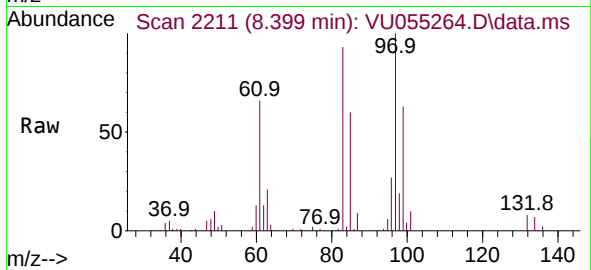




#45  
1,1,2-Trichloroethane  
Concen: 5.887 ug/L  
RT: 8.399 min Scan# 211  
Delta R.T. 0.000 min  
Lab File: VU055264.D  
Acq: 12 Sep 2023 21:46

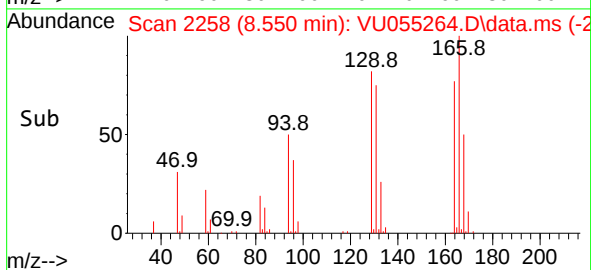
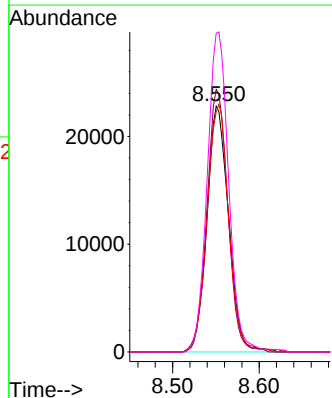
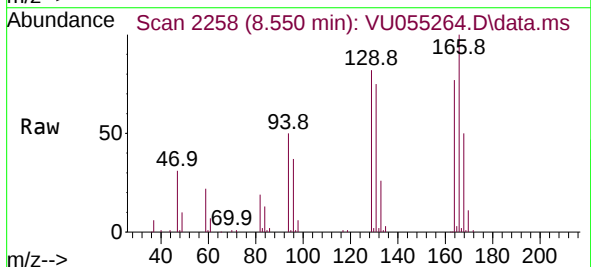
Instrument :  
MSVOA\_U  
ClientSampleId :

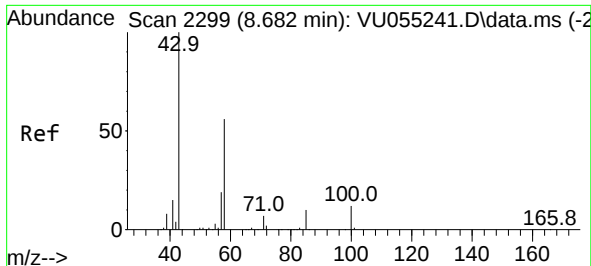
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 46226 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 63.0  | 44.9  | 83.5  |
| 83       | 92.6  | 66.9  | 124.3 |
| 85       | 59.7  | 42.2  | 78.4  |



#47  
Tetrachloroethene  
Concen: 4.819 ug/L  
RT: 8.550 min Scan# 2258  
Delta R.T. -0.003 min  
Lab File: VU055264.D  
Acq: 12 Sep 2023 21:46

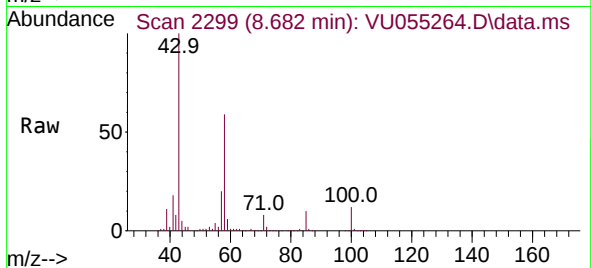
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 39633 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 106.8 | 69.2  | 128.6 |
| 131      | 97.7  | 68.8  | 127.8 |
| 166      | 129.7 | 92.3  | 171.5 |



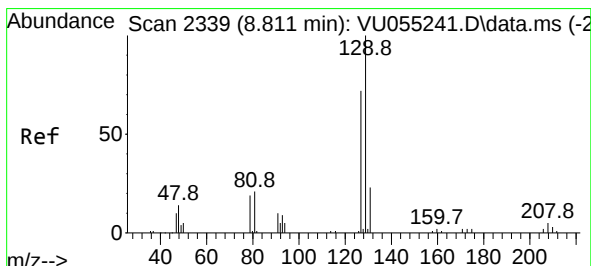
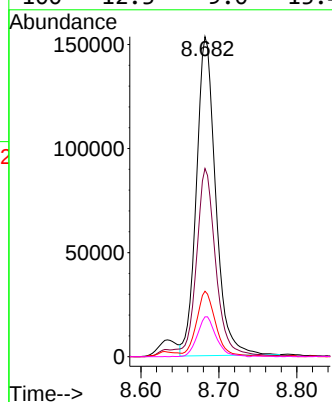
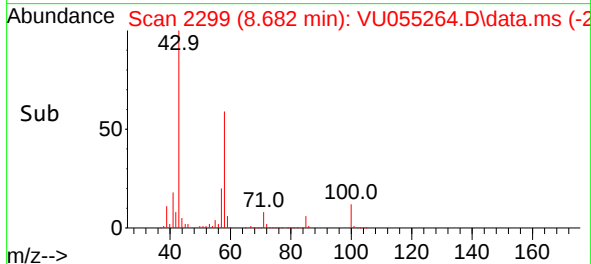


#48  
2-Hexanone  
Concen: 50.619 ug/L  
RT: 8.682 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU055264.D  
Acq: 12 Sep 2023 21:46

Instrument :  
MSVOA\_U  
ClientSampleId :

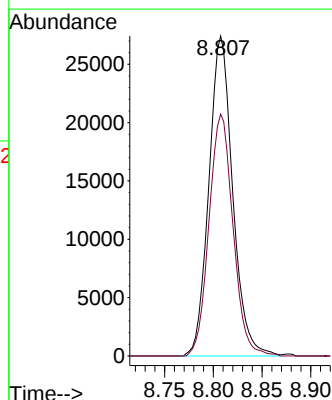
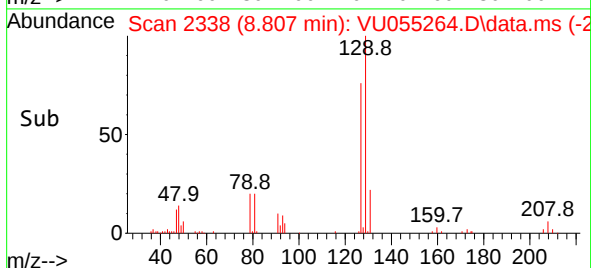
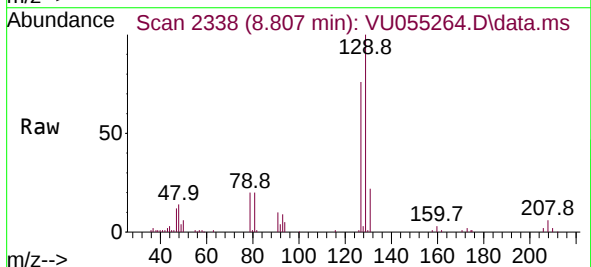


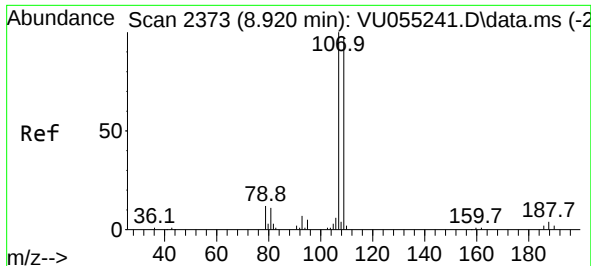
Tgt Ion: 43 Resp: 263669  
Ion Ratio Lower Upper  
43 100  
58 59.0 44.0 66.0  
57 20.4 16.2 24.2  
100 12.3 9.0 13.4



#49  
Dibromochloromethane  
Concen: 5.436 ug/L  
RT: 8.807 min Scan# 2338  
Delta R.T. -0.003 min  
Lab File: VU055264.D  
Acq: 12 Sep 2023 21:46

Tgt Ion: 129 Resp: 46593  
Ion Ratio Lower Upper  
129 100  
127 75.6 55.9 103.7

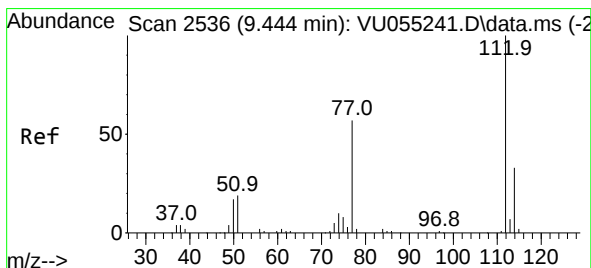
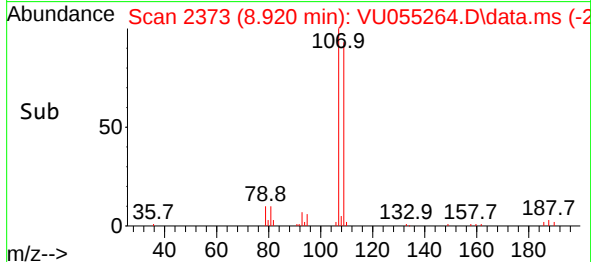
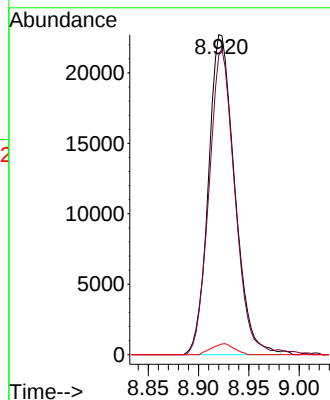
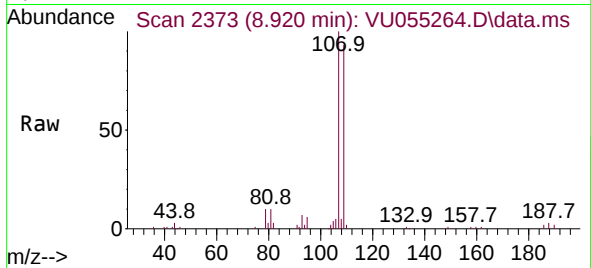




#50  
1,2-Dibromoethane  
Concen: 5.782 ug/L  
RT: 8.920 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU055264.D  
Acq: 12 Sep 2023 21:46

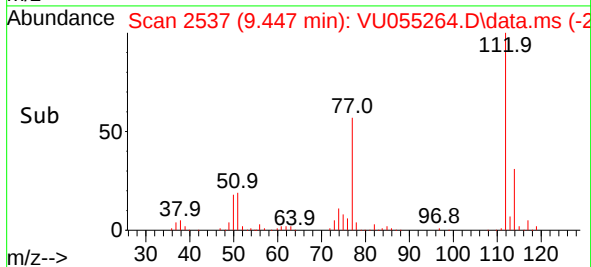
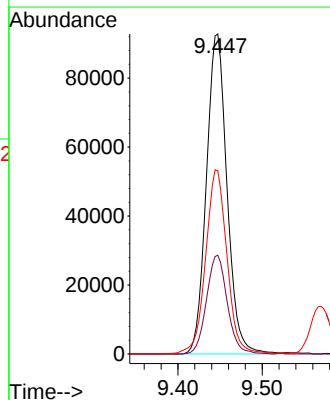
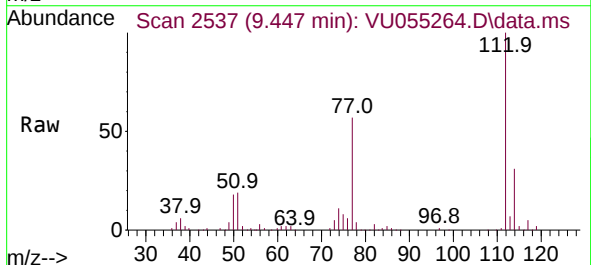
Instrument :  
MSVOA\_U  
ClientSampleId :

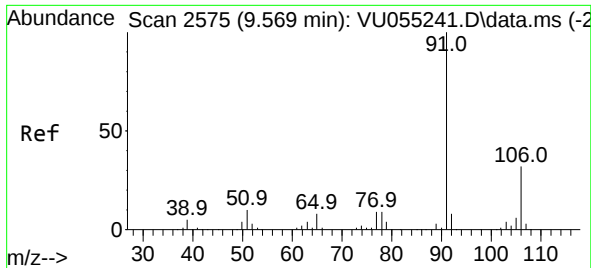
Tgt Ion:107 Resp: 41341  
Ion Ratio Lower Upper  
107 100  
109 93.4 71.4 132.6  
188 3.0 3.1 4.7#



#51  
Chlorobenzene  
Concen: 5.232 ug/L  
RT: 9.447 min Scan# 2537  
Delta R.T. 0.003 min  
Lab File: VU055264.D  
Acq: 12 Sep 2023 21:46

Tgt Ion:112 Resp: 158192  
Ion Ratio Lower Upper  
112 100  
114 30.8 21.7 40.3  
77 57.3 48.6 72.8

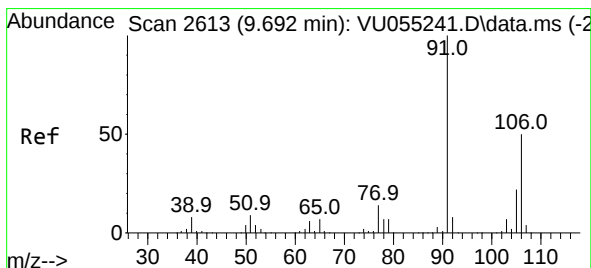
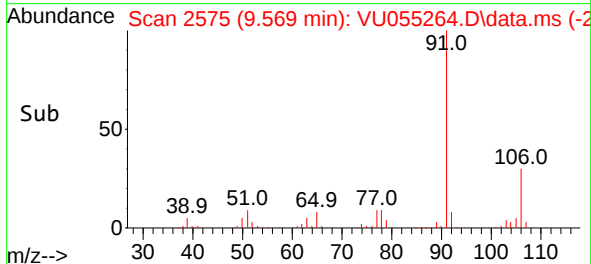
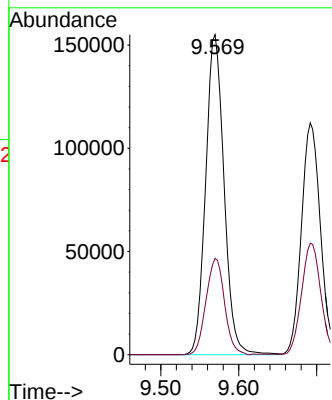
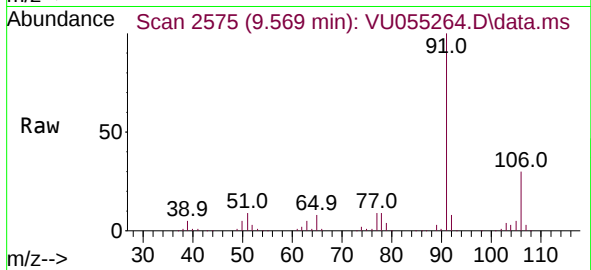




#52  
Ethylbenzene  
Concen: 4.969 ug/L  
RT: 9.569 min Scan# 2575  
Delta R.T. 0.000 min  
Lab File: VU055264.D  
Acq: 12 Sep 2023 21:46

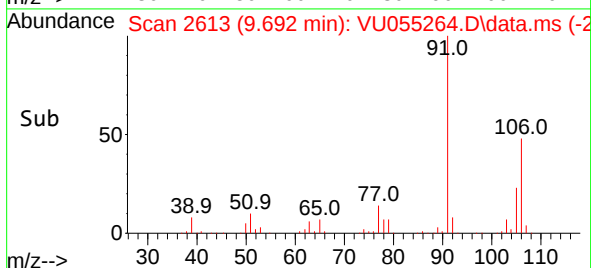
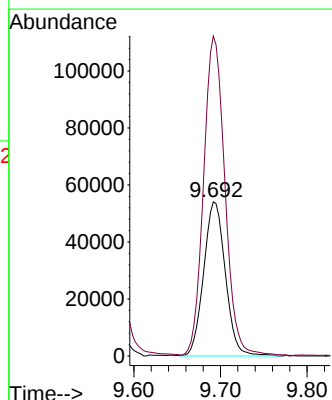
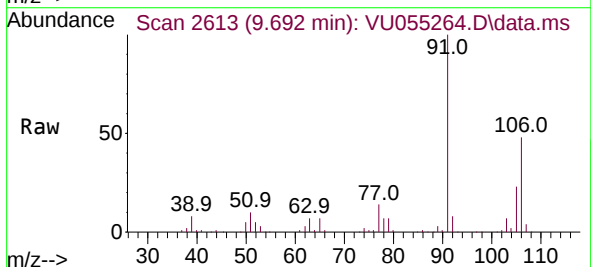
Instrument :  
MSVOA\_U  
ClientSampleId :

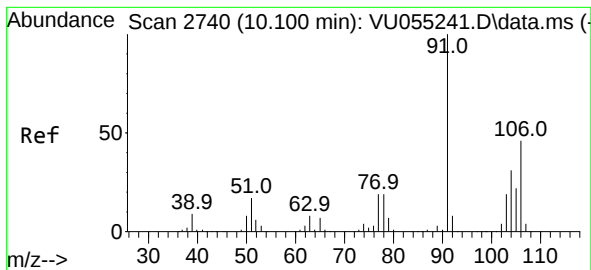
Tgt Ion: 91 Resp: 253751  
Ion Ratio Lower Upper  
91 100  
106 30.1 21.5 39.9



#53  
m,p-Xylene  
Concen: 4.980 ug/L  
RT: 9.692 min Scan# 2613  
Delta R.T. 0.000 min  
Lab File: VU055264.D  
Acq: 12 Sep 2023 21:46

Tgt Ion: 106 Resp: 94119  
Ion Ratio Lower Upper  
106 100  
91 207.7 148.3 275.5





#54

o-Xylene

Concen: 5.079 ug/L

RT: 10.100 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU055264.D

Acq: 12 Sep 2023 21:46

Instrument :

MSVOA\_U

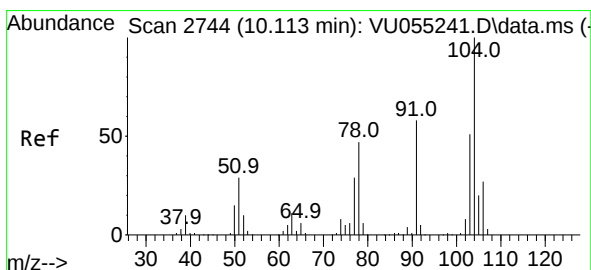
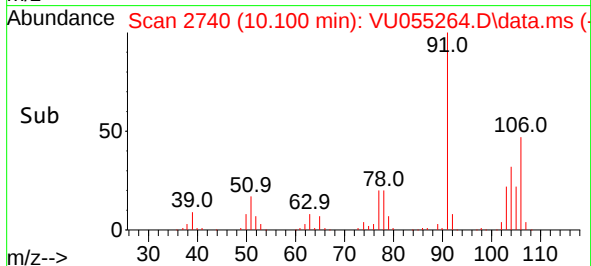
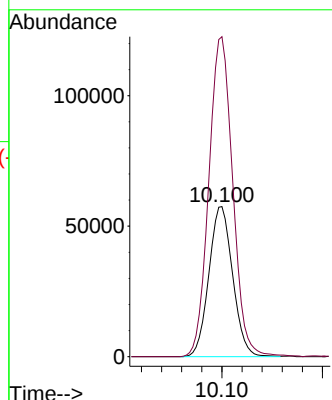
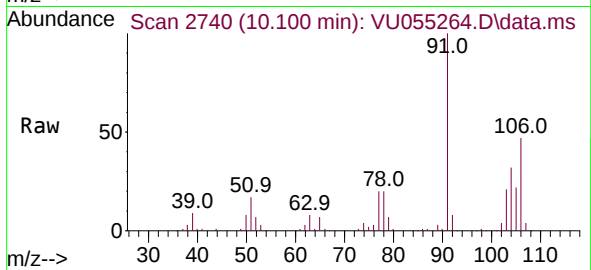
ClientSampleId :

Tgt Ion:106 Resp: 94456

Ion Ratio Lower Upper

106 100

91 213.2 152.9 284.1



#55

Styrene

Concen: 5.177 ug/L

RT: 10.113 min Scan# 2744

Delta R.T. 0.000 min

Lab File: VU055264.D

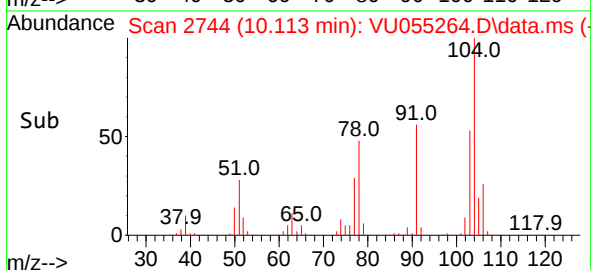
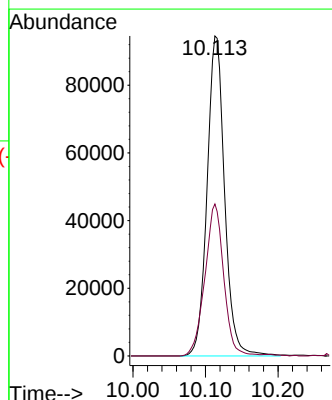
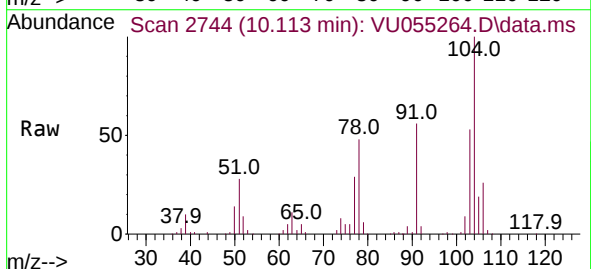
Acq: 12 Sep 2023 21:46

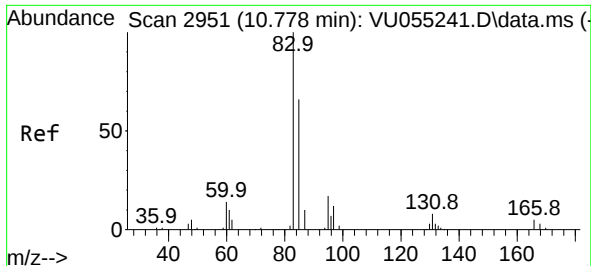
Tgt Ion:104 Resp: 158982

Ion Ratio Lower Upper

104 100

78 47.5 32.8 61.0

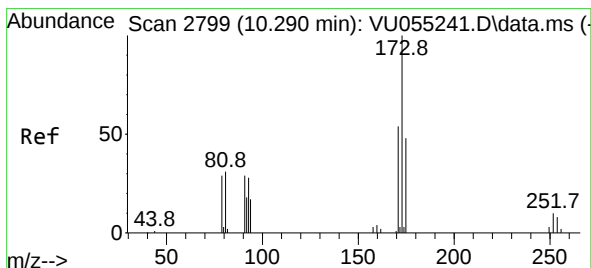
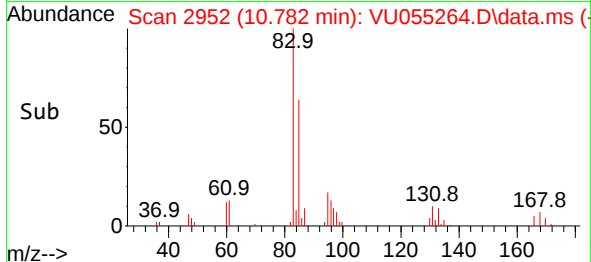
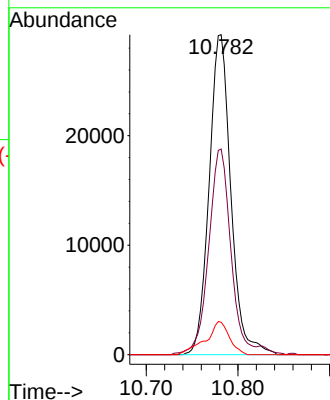
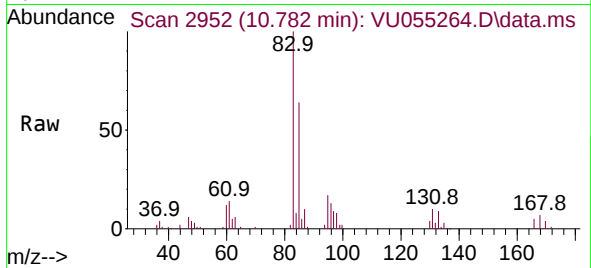




#57  
1,1,2,2-Tetrachloroethane  
Concen: 4.926 ug/L  
RT: 10.782 min Scan# 2952  
Delta R.T. 0.003 min  
Lab File: VU055264.D  
Acq: 12 Sep 2023 21:46

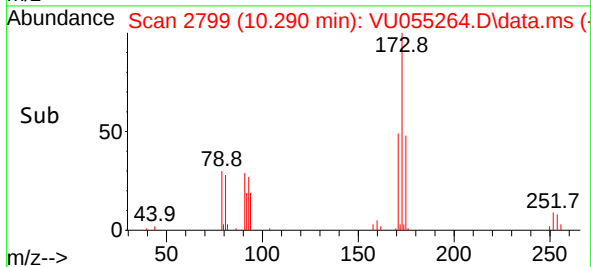
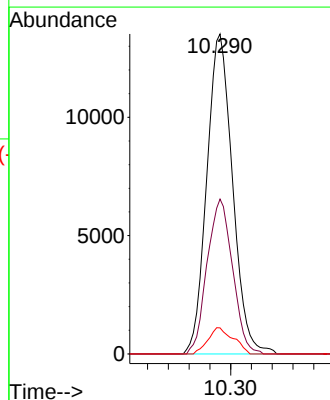
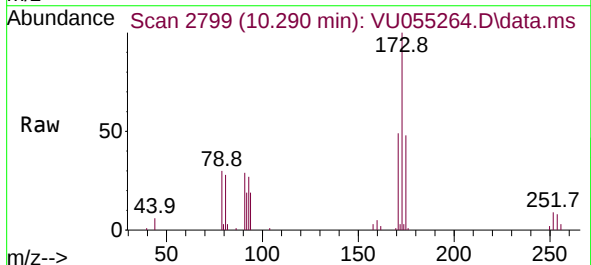
Instrument :  
MSVOA\_U  
ClientSampleId :

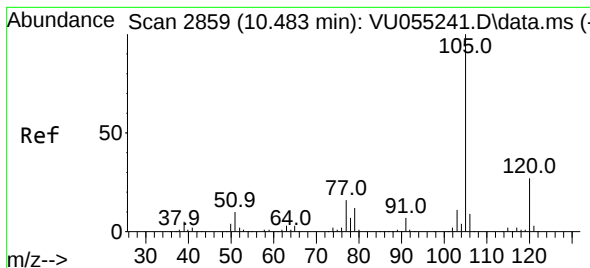
Tgt Ion: 83 Resp: 48181  
Ion Ratio Lower Upper  
83 100  
85 64.2 42.4 78.6  
131 10.1 7.6 11.4



#59  
Bromoform  
Concen: 5.310 ug/L  
RT: 10.290 min Scan# 2799  
Delta R.T. 0.000 min  
Lab File: VU055264.D  
Acq: 12 Sep 2023 21:46

Tgt Ion:173 Resp: 23241  
Ion Ratio Lower Upper  
173 100  
175 47.7 40.9 61.3  
254 8.0 7.0 10.4





#60

Isopropylbenzene

Concen: 5.000 ug/L

RT: 10.483 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU055264.D

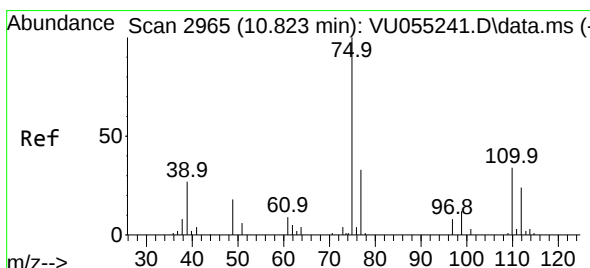
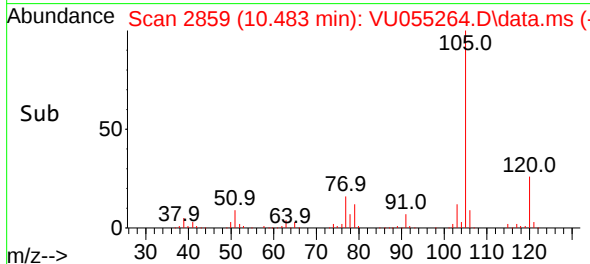
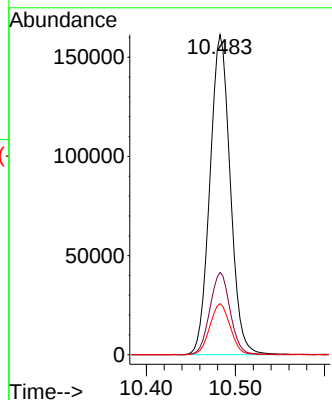
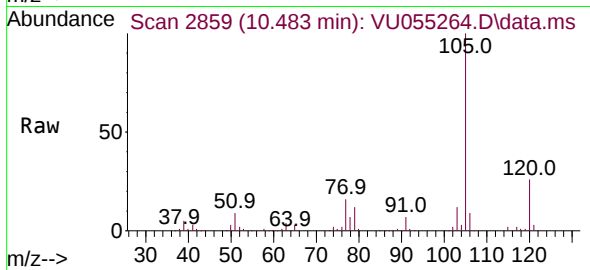
Acq: 12 Sep 2023 21:46

Instrument :

MSVOA\_U

ClientSampleId :

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 255376 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 25.7  | 20.1  | 30.1   |
| 77        | 16.0  | 13.4  | 20.0   |



#61

1,2,3-Trichloropropane

Concen: 5.754 ug/L

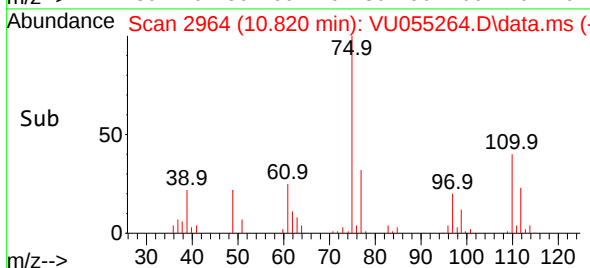
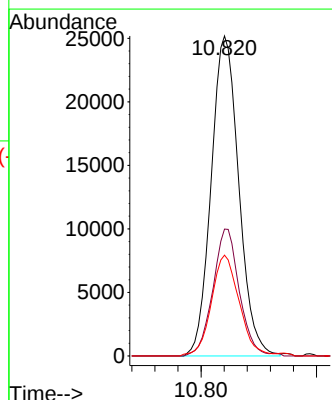
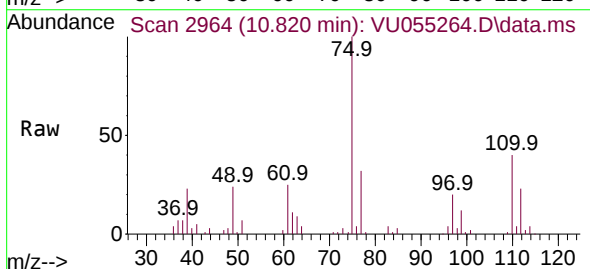
RT: 10.820 min Scan# 2964

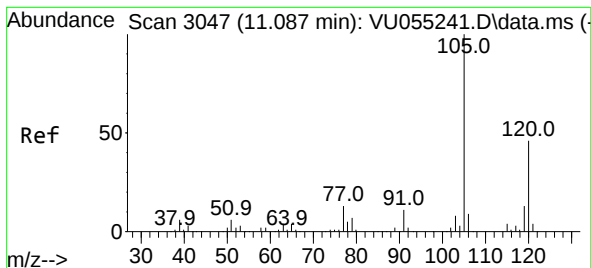
Delta R.T. -0.003 min

Lab File: VU055264.D

Acq: 12 Sep 2023 21:46

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 41827 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 38.1  | 28.2  | 42.2  |
| 77        | 31.7  | 26.2  | 39.4  |





#62

1,3,5-Trimethylbenzene

Concen: 4.756 ug/L

RT: 11.087 min Scan# 3047

Delta R.T. 0.000 min

Lab File: VU055264.D

Acq: 12 Sep 2023 21:46

Instrument :

MSVOA\_U

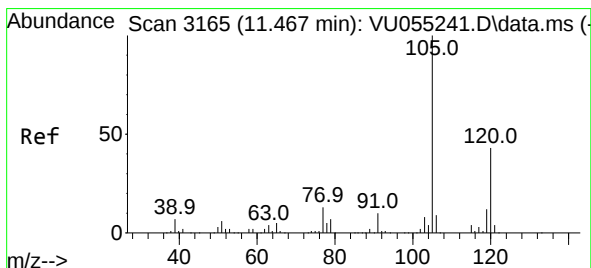
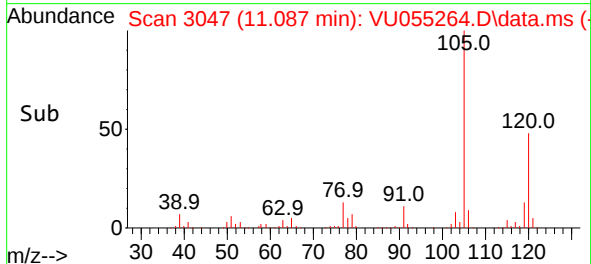
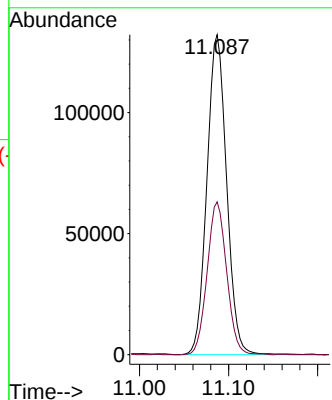
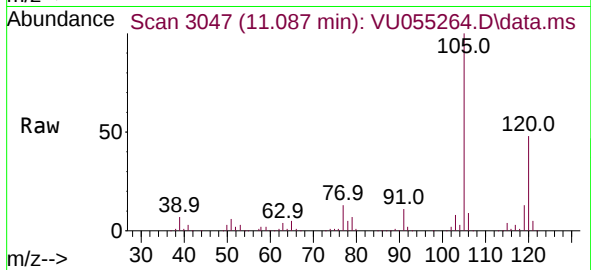
ClientSampleId :

Tgt Ion:105 Resp: 202087

Ion Ratio Lower Upper

105 100

120 47.4 37.9 56.9



#63

1,2,4-Trimethylbenzene

Concen: 4.691 ug/L

RT: 11.467 min Scan# 3165

Delta R.T. 0.000 min

Lab File: VU055264.D

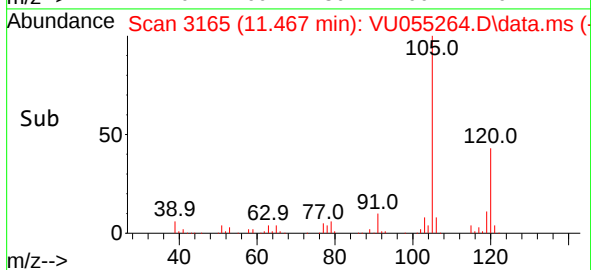
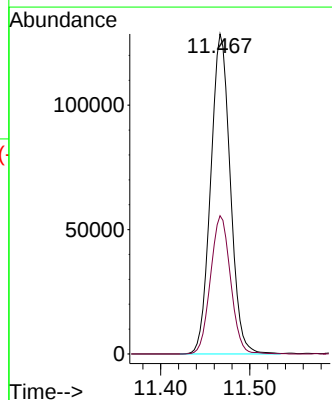
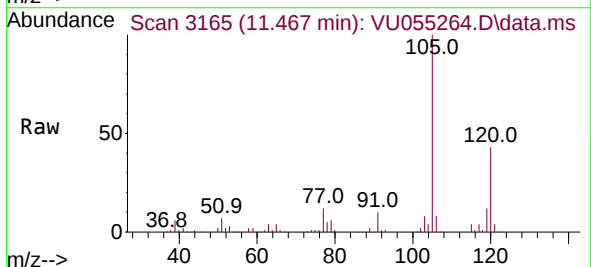
Acq: 12 Sep 2023 21:46

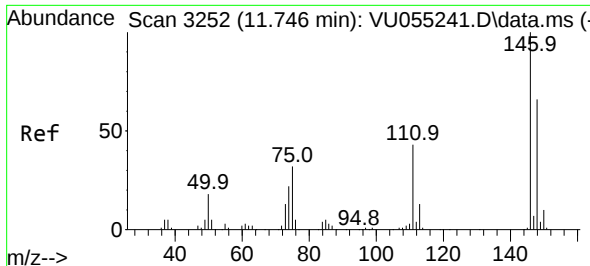
Tgt Ion:105 Resp: 196431

Ion Ratio Lower Upper

105 100

120 44.1 35.4 53.0

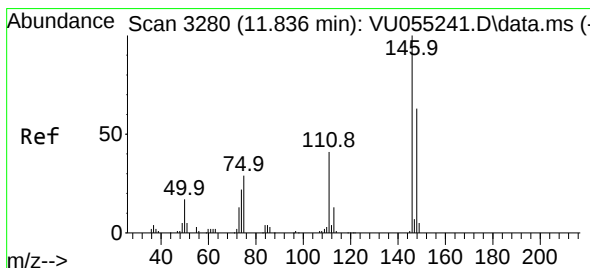
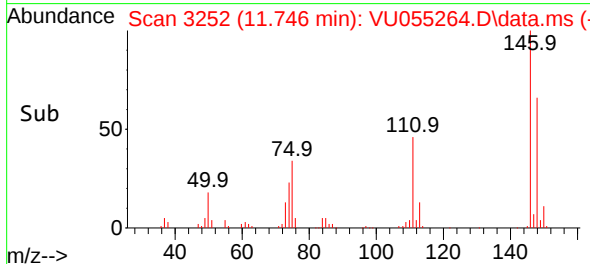
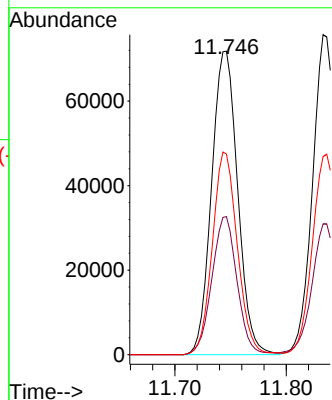
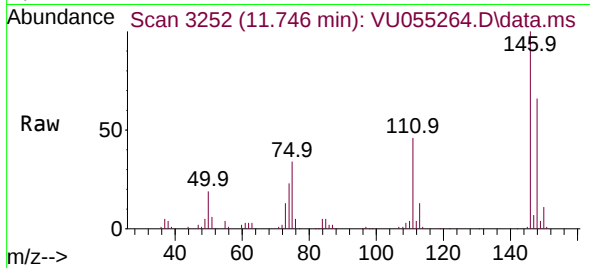




#64  
1,3-Dichlorobenzene  
Concen: 4.768 ug/L  
RT: 11.746 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VU055264.D  
Acq: 12 Sep 2023 21:46

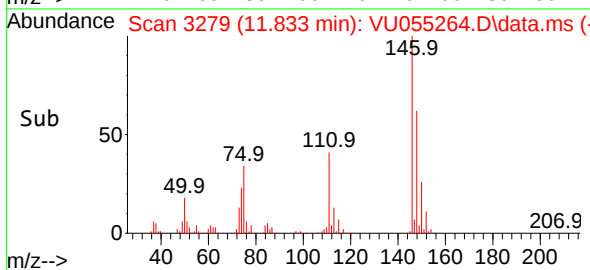
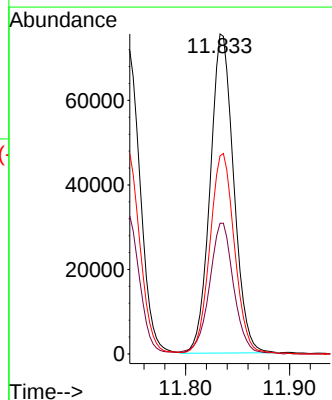
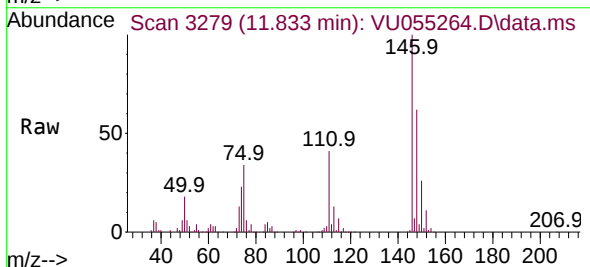
Instrument :  
MSVOA\_U  
ClientSampleId :

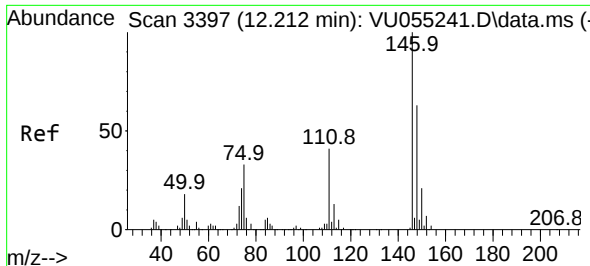
Tgt Ion:146 Resp: 116928  
Ion Ratio Lower Upper  
146 100  
111 45.5 30.0 55.6  
148 66.1 45.2 84.0



#65  
1,4-Dichlorobenzene  
Concen: 4.865 ug/L  
RT: 11.833 min Scan# 3279  
Delta R.T. -0.003 min  
Lab File: VU055264.D  
Acq: 12 Sep 2023 21:46

Tgt Ion:146 Resp: 118897  
Ion Ratio Lower Upper  
146 100  
111 40.9 28.1 52.1  
148 61.9 43.8 81.3





#67

1,2-Dichlorobenzene

Concen: 4.978 ug/L

RT: 12.212 min Scan# 31

Delta R.T. 0.000 min

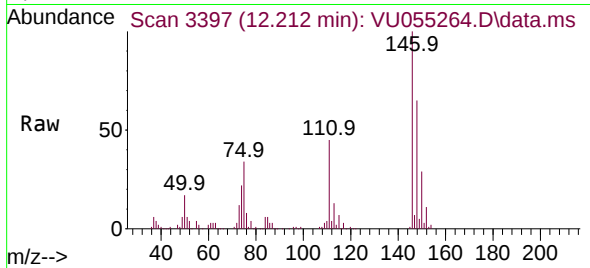
Lab File: VU055264.D

Acq: 12 Sep 2023 21:46

Instrument :

MSVOA\_U

ClientSampleId :



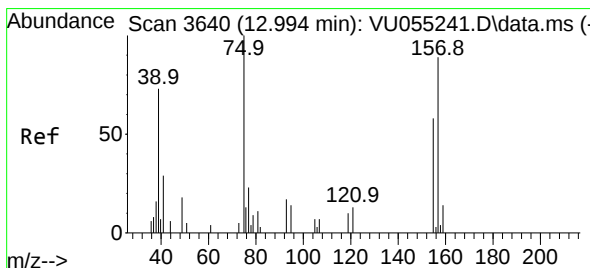
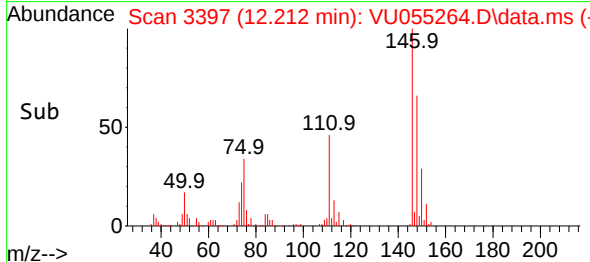
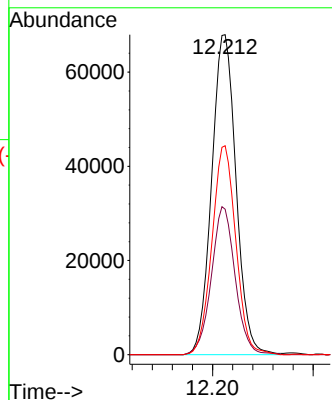
Tgt Ion:146 Resp: 114438

Ion Ratio Lower Upper

146 100

111 45.5 35.6 53.4

148 65.3 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 5.201 ug/L

RT: 12.997 min Scan# 3641

Delta R.T. 0.003 min

Lab File: VU055264.D

Acq: 12 Sep 2023 21:46

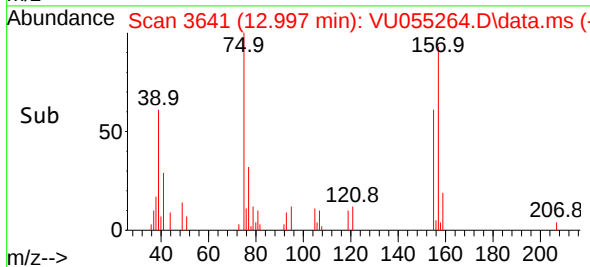
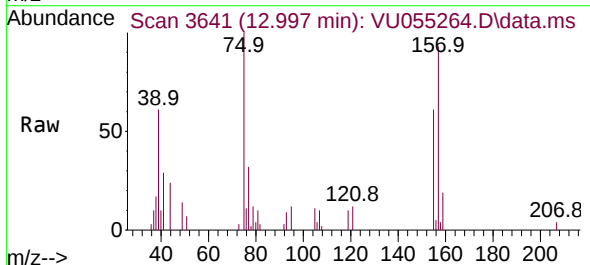
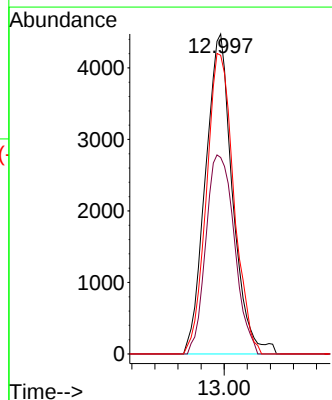
Tgt Ion: 75 Resp: 7283

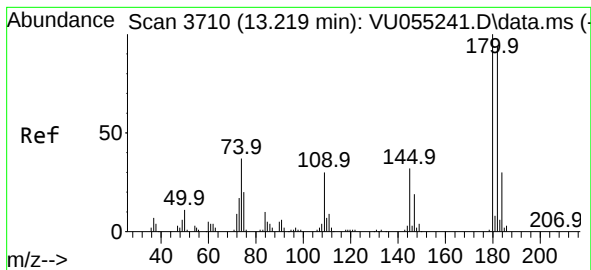
Ion Ratio Lower Upper

75 100

155 61.4 61.1 91.7

157 93.4 66.8 100.2





#69

1,3,5-Trichlorobenzene

Concen: 4.099 ug/L

RT: 13.219 min Scan# 3710

Delta R.T. 0.000 min

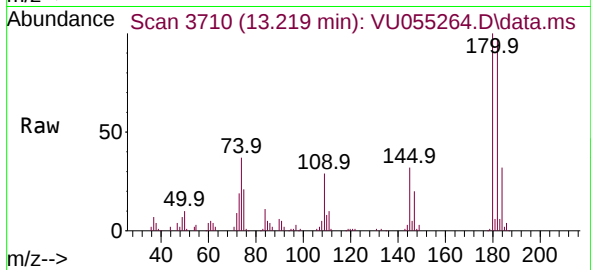
Lab File: VU055264.D

Acq: 12 Sep 2023 21:46

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion:180 Resp: 75965

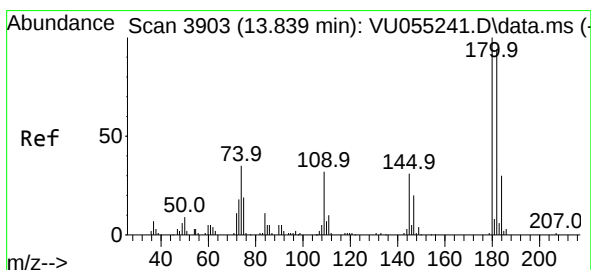
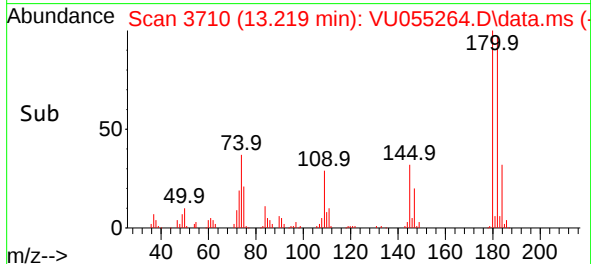
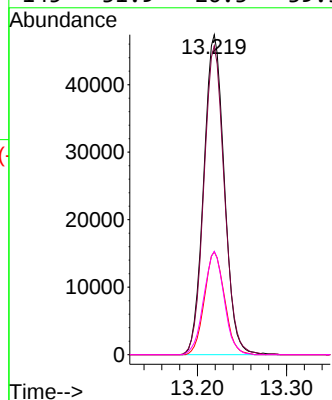
Ion Ratio Lower Upper

180 100

182 96.3 75.8 113.6

184 31.4 24.0 36.0

145 31.9 26.3 39.5



#70

1,2,4-trichlorobenzene

Concen: 3.301 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.000 min

Lab File: VU055264.D

Acq: 12 Sep 2023 21:46

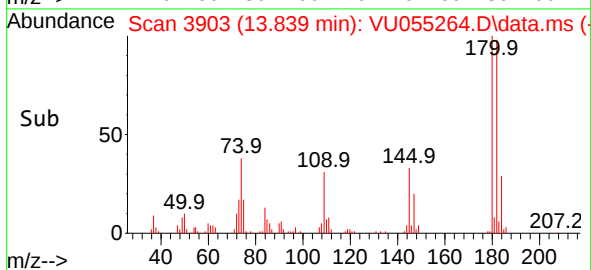
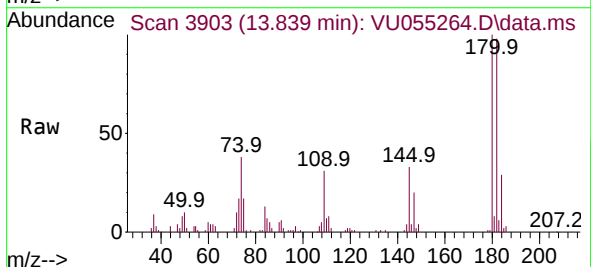
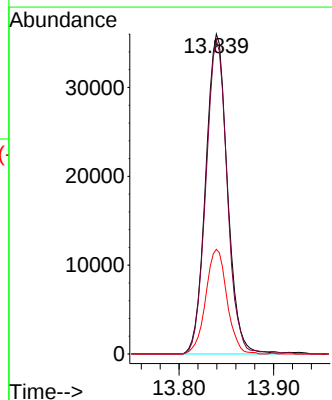
Tgt Ion:180 Resp: 57360

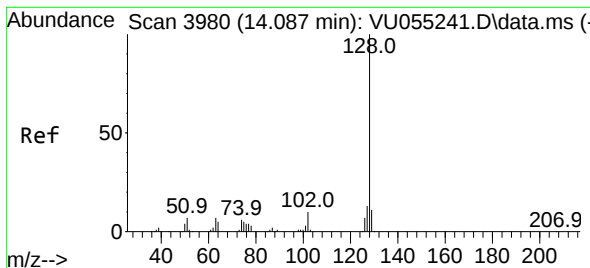
Ion Ratio Lower Upper

180 100

182 96.0 73.6 110.4

145 32.1 25.8 38.8





#71

Naphthalene

Concen: 2.793 ug/L

RT: 14.087 min Scan# 3980

Delta R.T. 0.000 min

Lab File: VU055264.D

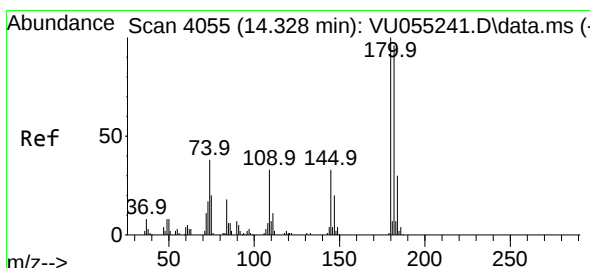
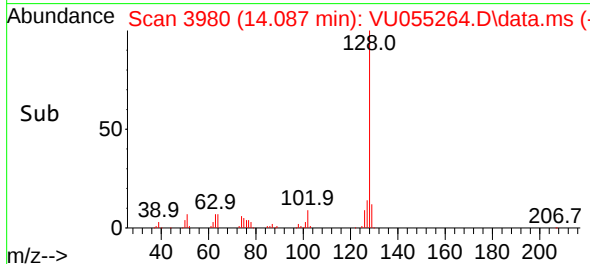
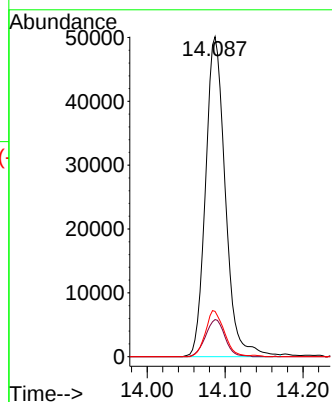
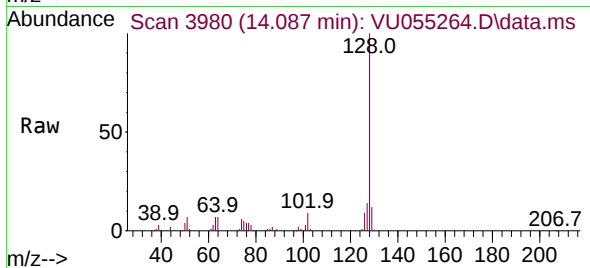
Acq: 12 Sep 2023 21:46

Instrument :

MSVOA\_U

ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:128 | Resp: | 88209     |
| Ion Ratio   | Lower | Upper     |
| 128         | 100   |           |
| 129         | 11.4  | 8.2 12.2  |
| 127         | 13.7  | 10.0 15.0 |



#72

1,2,3-Trichlorobenzene

Concen: 3.353 ug/L

RT: 14.328 min Scan# 4055

Delta R.T. 0.000 min

Lab File: VU055264.D

Acq: 12 Sep 2023 21:46

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 50569      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 96.3  | 75.6 113.4 |
| 145         | 35.6  | 27.0 40.6  |

