

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU101222\  
 Data File : VU051386.D  
 Acq On : 12 Oct 2022 12:20  
 Operator : JC/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005176

Quant Time: Oct 13 01:35:22 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR100722WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Oct 11 23:36:07 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250  | 114   | 211717   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417  | 117   | 227080   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812 | 152   | 114042   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597  | 65    | 106067   | 6.211    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 124.200% |
| 7) Chloroethane-d5            | 1.909  | 69    | 76749    | 5.230    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 104.600% |
| 11) 1,1-Dichloroethene-d2     | 2.565  | 65    | 37074    | 5.492    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 109.800% |
| 20) 2-Butanone-d5             | 4.623  | 46    | 177731   | 47.269   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 94.540%  |
| 24) Chloroform-d              | 5.063  | 84    | 166360   | 5.225    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 104.400% |
| 26) 1,2-Dichloroethane-d4     | 5.700  | 65    | 83949    | 5.113    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 102.200% |
| 32) Benzene-d6                | 5.726  | 84    | 324090   | 5.188    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 103.800% |
| 36) 1,2-Dichloropropane-d6    | 6.690  | 67    | 104397   | 4.921    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 98.400%  |
| 41) Toluene-d8                | 7.896  | 98    | 295063   | 5.279    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 105.600% |
| 43) trans-1,3-Dichloroprop... | 8.179  | 79    | 36713    | 5.267    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 105.400% |
| 46) 2-Hexanone-d5             | 8.632  | 63    | 112723   | 47.984   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 95.960%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.754 | 84    | 81994    | 4.838    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 96.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.192 | 152   | 91822    | 4.632    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 92.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.385  | 85    | 82521    | 4.778    | ug/L   | 99       |
| 3) Chloromethane              | 1.520  | 50    | 111936   | 4.616    | ug/L   | 98       |
| 5) Vinyl chloride             | 1.600  | 62    | 103736   | 4.361    | ug/L   | 98       |
| 6) Bromomethane               | 1.854  | 94    | 62258    | 4.807    | ug/L   | 99       |
| 8) Chloroethane               | 1.932  | 64    | 66387    | 4.376    | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 2.137  | 101   | 117818   | 4.297    | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.578  | 101   | 80608    | 4.899    | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.578  | 96    | 72160    | 4.674    | ug/L   | 98       |
| 13) Acetone                   | 2.626  | 43    | 149144   | 52.886   | ug/L   | 99       |
| 14) Carbon disulfide          | 2.790  | 76    | 219515   | 4.642    | ug/L   | 96       |
| 15) Methyl Acetate            | 2.951  | 43    | 35586    | 5.191    | ug/L   | 95       |
| 16) Methylene chloride        | 3.041  | 84    | 121452   | 5.327    | ug/L   | 96       |
| 17) Methyl tert-butyl Ether   | 3.362  | 73    | 180775   | 5.111    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.353  | 96    | 81208    | 5.000    | ug/L   | 96       |
| 19) 1,1-Dichloroethane        | 3.867  | 63    | 178155   | 5.315    | ug/L   | 98       |
| 21) 2-Butanone                | 4.703  | 43    | 230513   | 51.865   | ug/L   | 98       |
| 22) cis-1,2-Dichloroethene    | 4.665  | 96    | 93567    | 5.200    | ug/L   | 98       |
| 23) Bromochloromethane        | 4.973  | 128   | 45328    | 5.280    | ug/L   | 97       |
| 25) Chloroform                | 5.086  | 83    | 181955   | 5.197    | ug/L   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU101222\  
 Data File : VU051386.D  
 Acq On : 12 Oct 2022 12:20  
 Operator : JC/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005176

Quant Time: Oct 13 01:35:22 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR100722WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Oct 11 23:36:07 2022  
 Response via : Initial Calibration

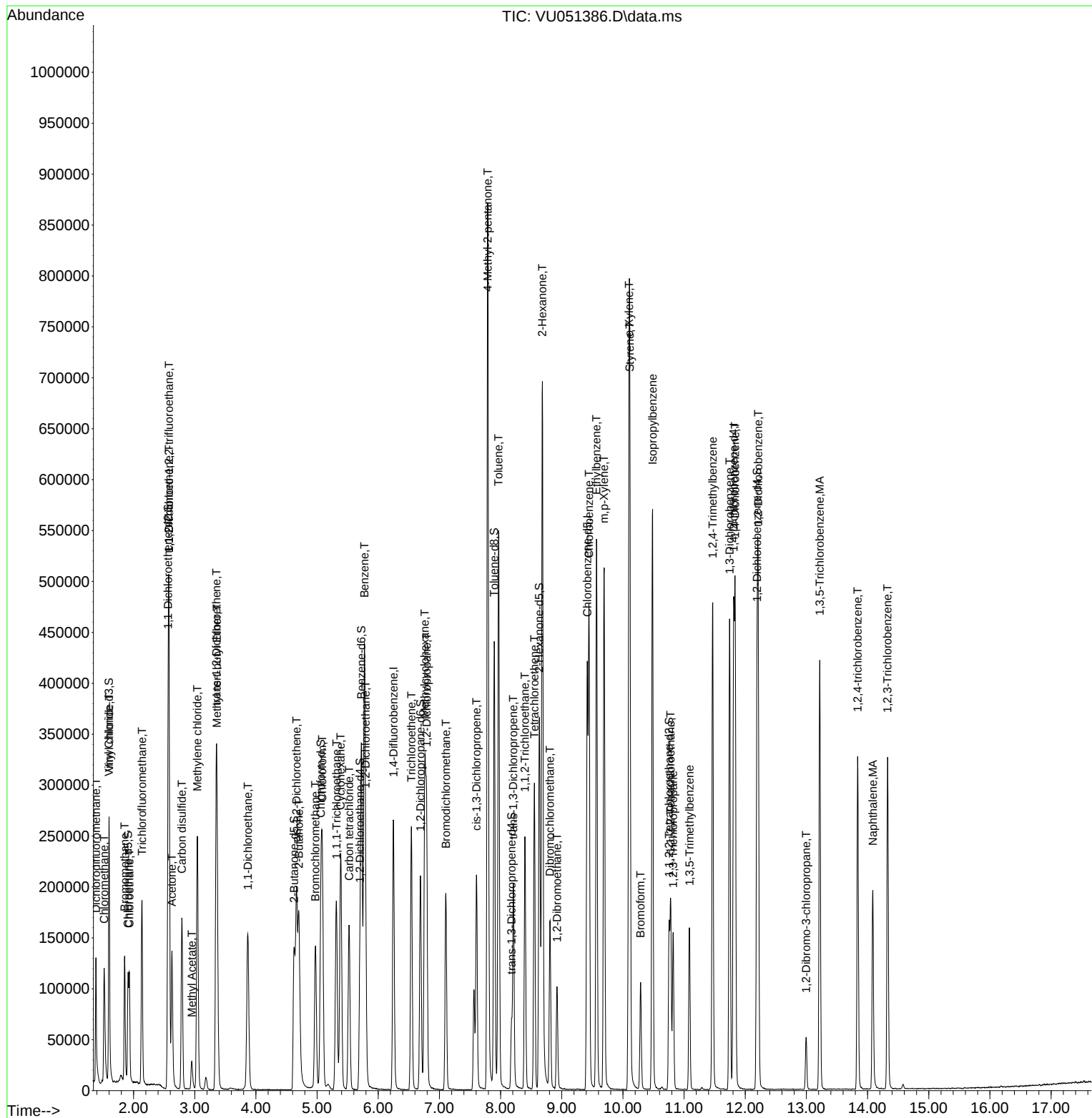
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.793  | 62   | 111556   | 5.319  | ug/L  | 97       |
| 29) 1,1,1-Trichloroethane     | 5.317  | 97   | 133315   | 4.900  | ug/L  | 97       |
| 30) Cyclohexane               | 5.385  | 56   | 100479   | 4.354  | ug/L  | 97       |
| 31) Carbon tetrachloride      | 5.523  | 117  | 110313   | 4.791  | ug/L  | 99       |
| 33) Benzene                   | 5.774  | 78   | 381497   | 5.032  | ug/L  | 100      |
| 34) Trichloroethene           | 6.542  | 95   | 92059    | 4.868  | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.761  | 83   | 106132   | 4.448  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.790  | 63   | 107074   | 5.153  | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.105  | 83   | 129252   | 5.215  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 7.607  | 75   | 127652   | 5.111  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.790  | 43   | 555095   | 50.920 | ug/L  | 99       |
| 42) Toluene                   | 7.967  | 91   | 402793   | 5.006  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.208  | 75   | 115789   | 5.361  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 8.398  | 97   | 75515    | 5.176  | ug/L  | 99       |
| 47) Tetrachloroethene         | 8.552  | 164  | 65189    | 4.688  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.684  | 43   | 437489   | 53.899 | ug/L  | 97       |
| 49) Dibromochloromethane      | 8.809  | 129  | 84586    | 5.164  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.922  | 107  | 67936    | 5.231  | ug/L  | 97       |
| 51) Chlorobenzene             | 9.446  | 112  | 248391   | 5.166  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.568  | 91   | 362088   | 5.007  | ug/L  | 96       |
| 53) m,p-Xylene                | 9.693  | 106  | 144957   | 5.169  | ug/L  | 100      |
| 54) o-Xylene                  | 10.099 | 106  | 138972   | 5.237  | ug/L  | 96       |
| 55) Styrene                   | 10.115 | 104  | 247867   | 5.426  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.780 | 83   | 91915    | 5.090  | ug/L  | 99       |
| 59) Bromoform                 | 10.288 | 173  | 46951    | 4.949  | ug/L  | 97       |
| 60) Isopropylbenzene          | 10.484 | 105  | 347558   | 4.812  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.822 | 75   | 67250    | 4.670  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 84972    | 4.435  | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 250397   | 4.621  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.745 | 146  | 188553   | 5.277  | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.835 | 146  | 188426   | 5.350  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 12.211 | 146  | 174670   | 5.029  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.995 | 75   | 14566    | 5.288  | ug/L  | 88       |
| 69) 1,3,5-Trichlorobenzene    | 13.217 | 180  | 129545   | 5.260  | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.838 | 180  | 100899   | 5.764  | ug/L  | 97       |
| 71) Naphthalene               | 14.085 | 128  | 161018   | 4.949  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.327 | 180  | 98889    | 5.461  | ug/L  | 100      |

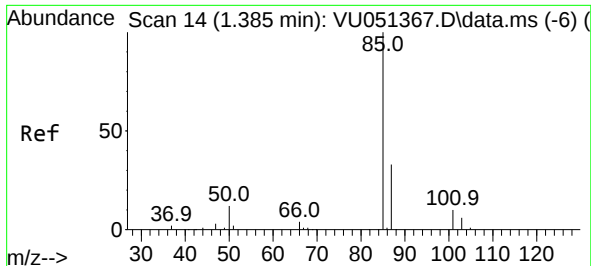
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU101222\  
Data File : VU051386.D  
Acq On : 12 Oct 2022 12:20  
Operator : JC/MD  
Sample : VSTDCCC005  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005176

Quant Time: Oct 13 01:35:22 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR100722WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Tue Oct 11 23:36:07 2022  
Response via : Initial Calibration

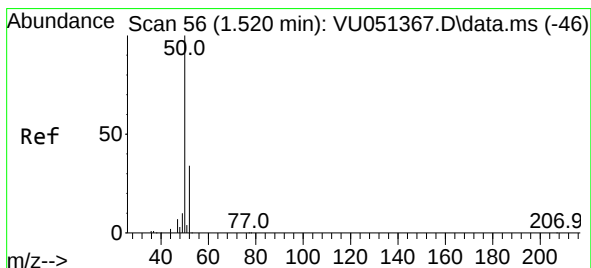
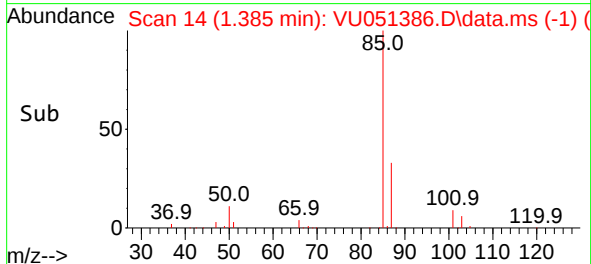
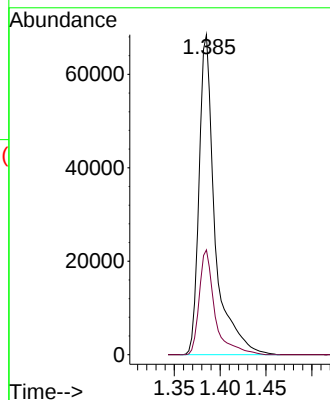
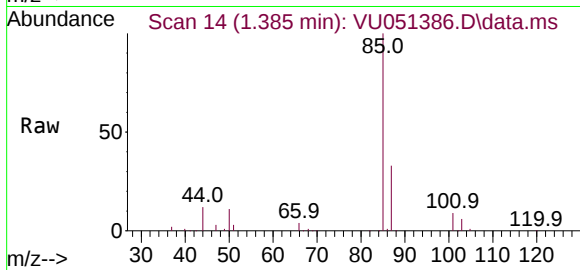




#2  
Dichlorodifluoromethane  
Concen: 4.778 ug/L  
RT: 1.385 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VU051386.D  
Acq: 12 Oct 2022 12:20

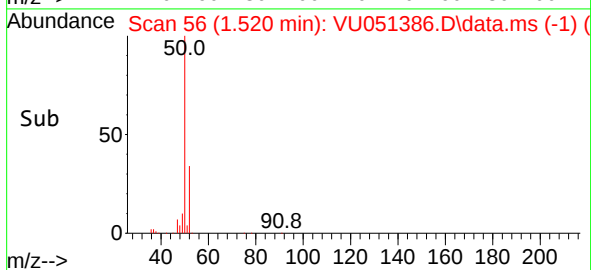
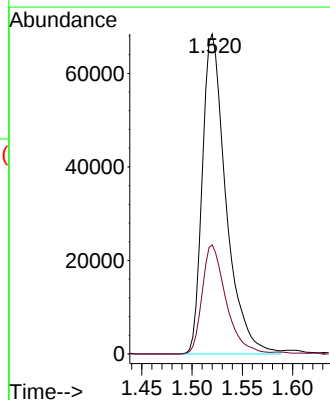
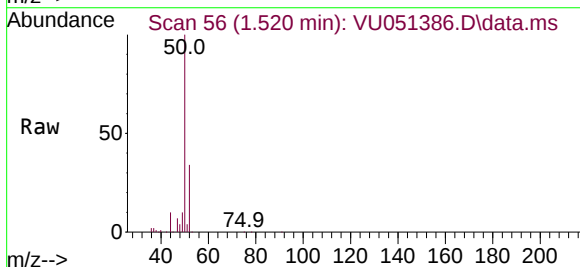
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005176

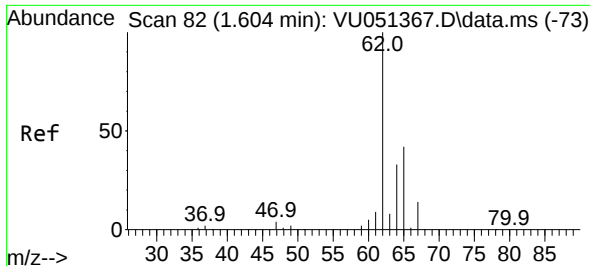
Tgt Ion: 85 Resp: 82521  
Ion Ratio Lower Upper  
85 100  
87 32.4 26.2 39.4



#3  
Chloromethane  
Concen: 4.616 ug/L  
RT: 1.520 min Scan# 56  
Delta R.T. 0.000 min  
Lab File: VU051386.D  
Acq: 12 Oct 2022 12:20

Tgt Ion: 50 Resp: 111936  
Ion Ratio Lower Upper  
50 100  
52 34.1 22.9 42.5

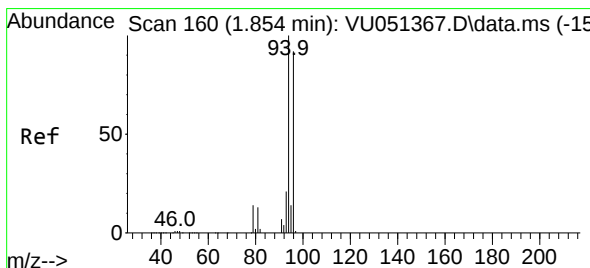
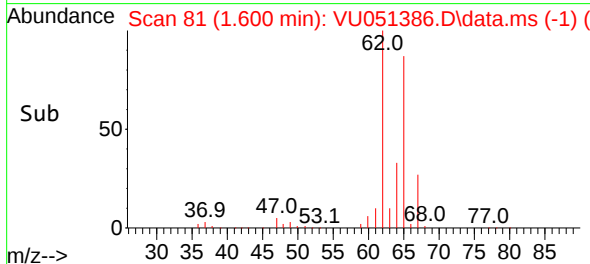
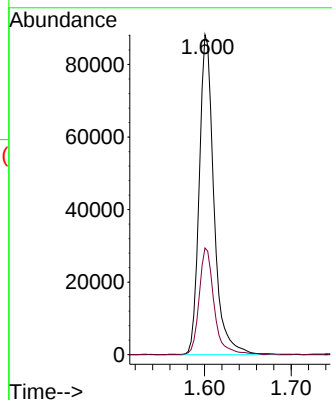
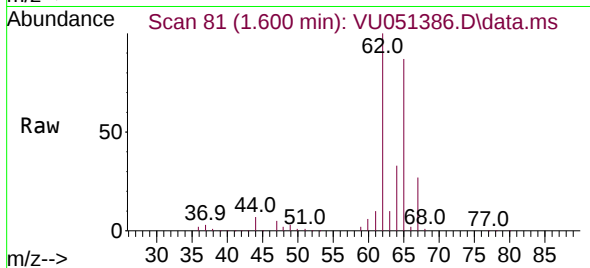




#5  
 Vinyl chloride  
 Concen: 4.361 ug/L  
 RT: 1.600 min Scan# 81  
 Delta R.T. -0.003 min  
 Lab File: VU051386.D  
 Acq: 12 Oct 2022 12:20

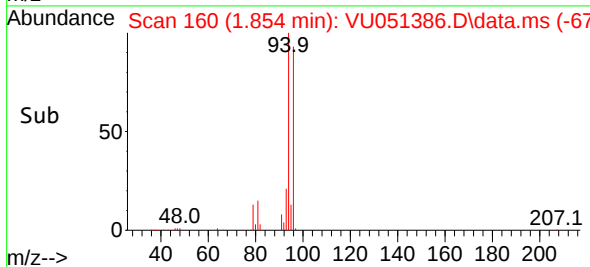
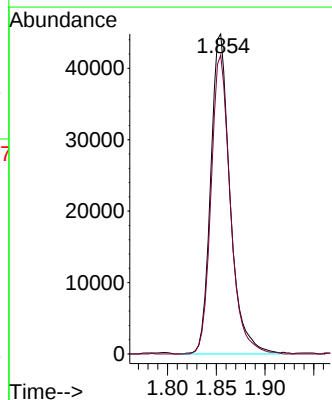
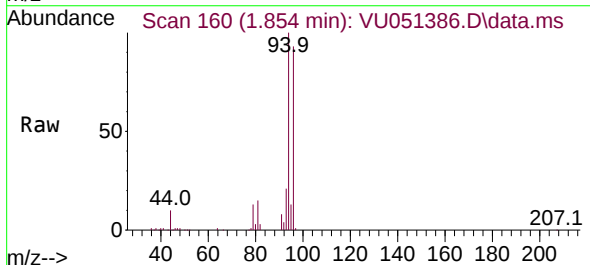
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005176

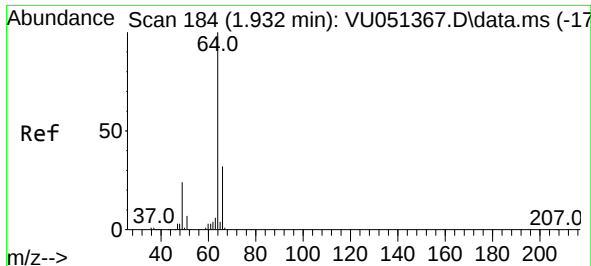
Tgt Ion: 62 Resp: 103736  
 Ion Ratio Lower Upper  
 62 100  
 64 33.4 24.0 44.6



#6  
 Bromomethane  
 Concen: 4.807 ug/L  
 RT: 1.854 min Scan# 160  
 Delta R.T. 0.000 min  
 Lab File: VU051386.D  
 Acq: 12 Oct 2022 12:20

Tgt Ion: 94 Resp: 62258  
 Ion Ratio Lower Upper  
 94 100  
 96 93.4 64.9 120.5

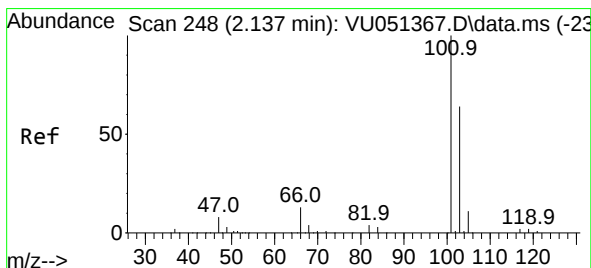
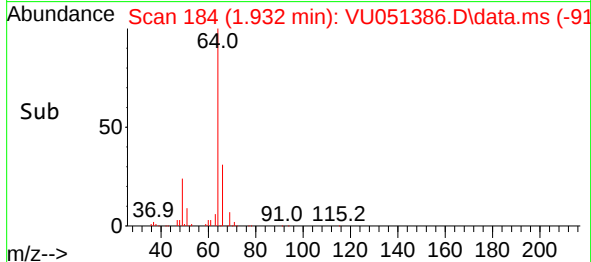
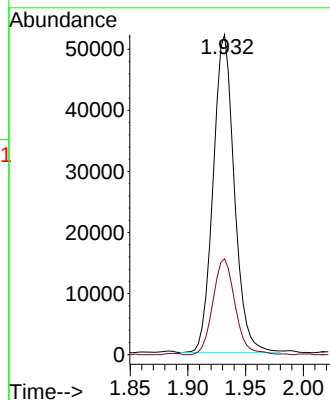
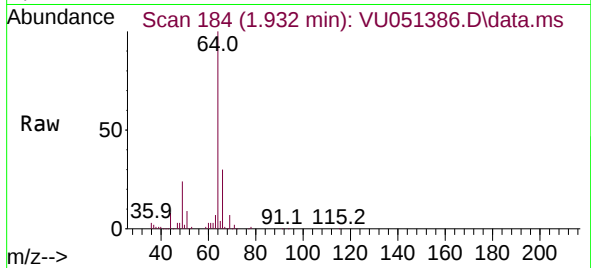




#8  
Chloroethane  
Concen: 4.376 ug/L  
RT: 1.932 min Scan# 184  
Delta R.T. 0.000 min  
Lab File: VU051386.D  
Acq: 12 Oct 2022 12:20

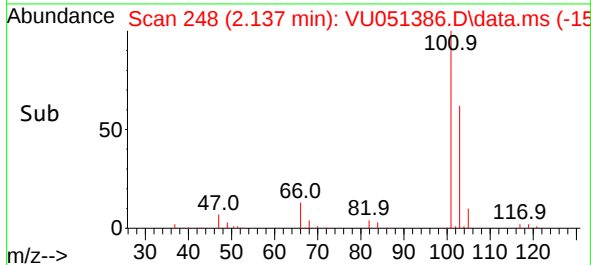
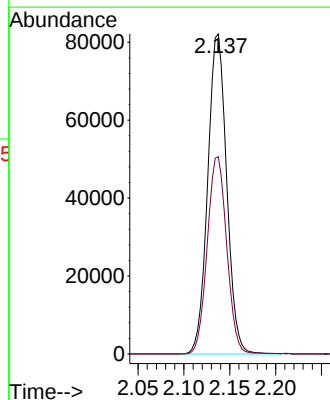
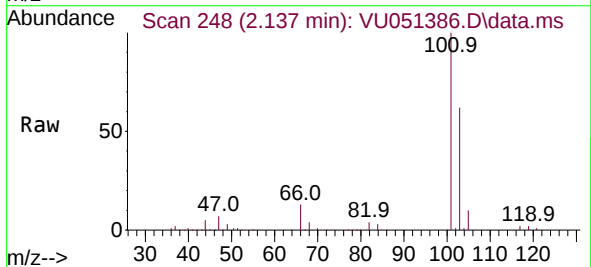
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005176

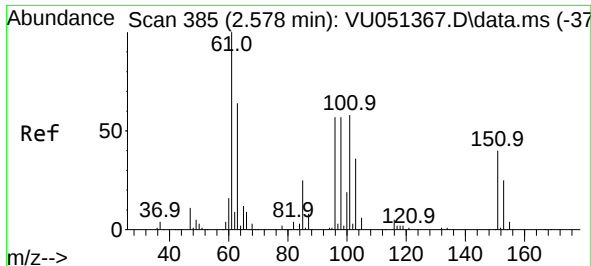
Tgt Ion: 64 Resp: 66387  
Ion Ratio Lower Upper  
64 100  
66 30.0 22.3 41.3



#9  
Trichlorofluoromethane  
Concen: 4.297 ug/L  
RT: 2.137 min Scan# 248  
Delta R.T. 0.000 min  
Lab File: VU051386.D  
Acq: 12 Oct 2022 12:20

Tgt Ion: 101 Resp: 117818  
Ion Ratio Lower Upper  
101 100  
103 63.4 52.2 78.2

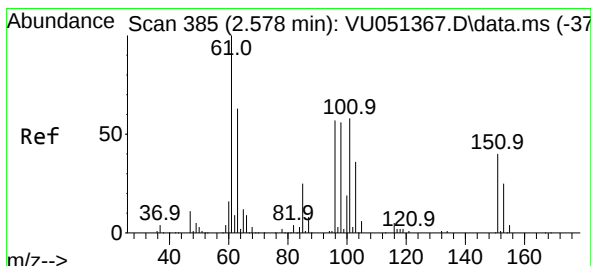
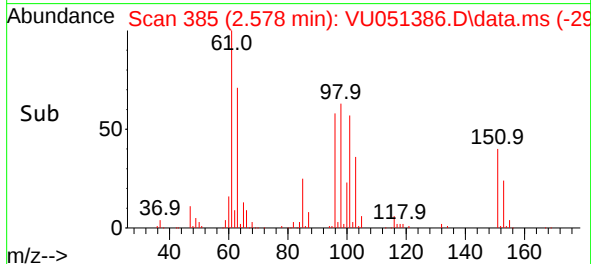
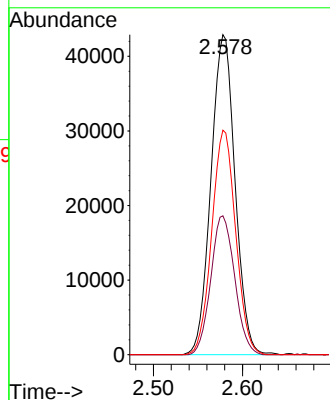
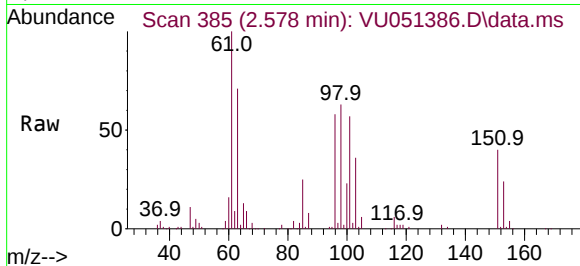




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 4.899 ug/L  
 RT: 2.578 min Scan# 385  
 Delta R.T. 0.000 min  
 Lab File: VU051386.D  
 Acq: 12 Oct 2022 12:20

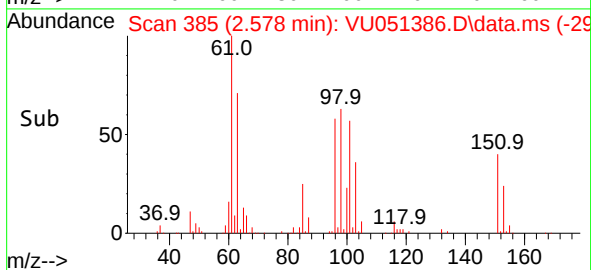
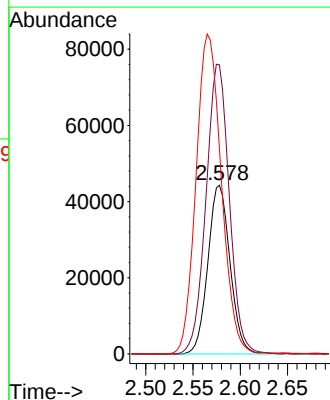
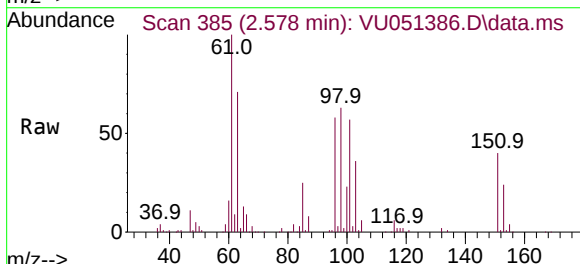
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005176

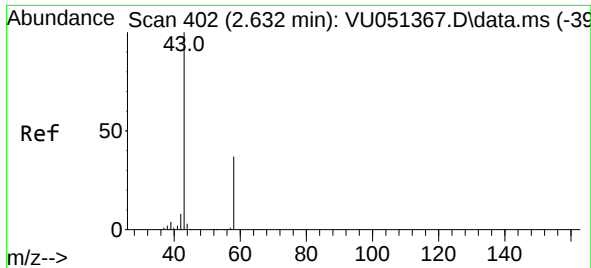
Tgt Ion: 101 Resp: 80608  
 Ion Ratio Lower Upper  
 101 100  
 85 43.0 34.6 51.8  
 151 69.6 56.5 84.7



#12  
 1,1-Dichloroethene  
 Concen: 4.674 ug/L  
 RT: 2.578 min Scan# 385  
 Delta R.T. 0.000 min  
 Lab File: VU051386.D  
 Acq: 12 Oct 2022 12:20

Tgt Ion: 96 Resp: 72160  
 Ion Ratio Lower Upper  
 96 100  
 61 171.3 117.6 218.4  
 63 122.0 85.2 158.2





#13

Acetone

Concen: 52.886 ug/L

RT: 2.626 min Scan# 402

Delta R.T. -0.006 min

Lab File: VU051386.D

Acq: 12 Oct 2022 12:20

Instrument :

MSVOA\_U

ClientSampleId :

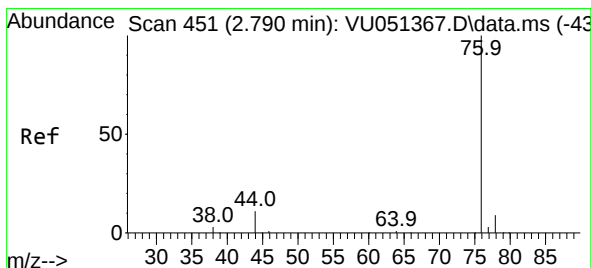
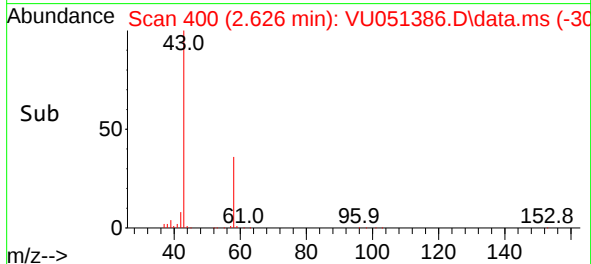
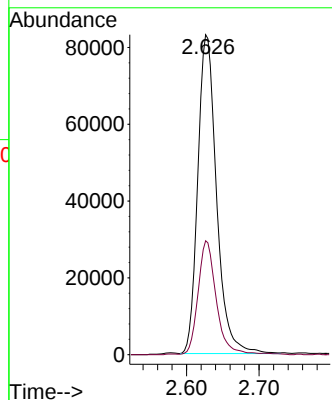
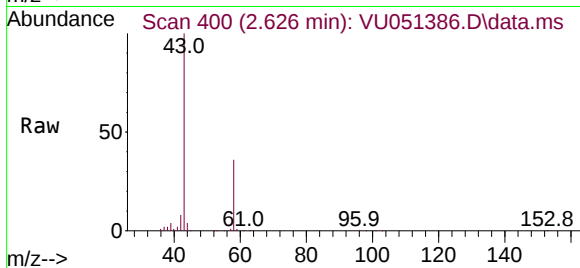
VSTD005176

Tgt Ion: 43 Resp: 149144

Ion Ratio Lower Upper

43 100

58 34.1 0.0 68.8



#14

Carbon disulfide

Concen: 4.642 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU051386.D

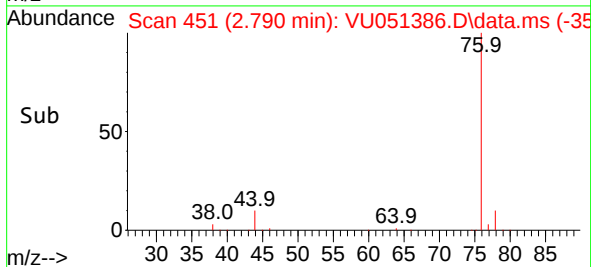
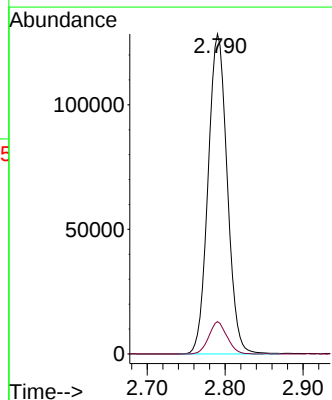
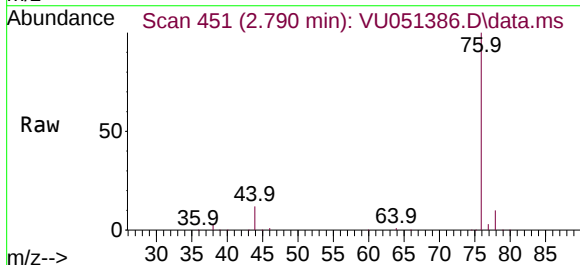
Acq: 12 Oct 2022 12:20

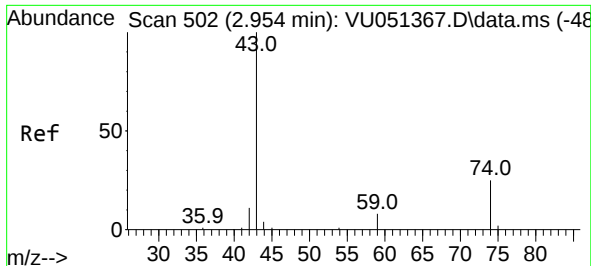
Tgt Ion: 76 Resp: 219515

Ion Ratio Lower Upper

76 100

78 10.1 7.0 10.4

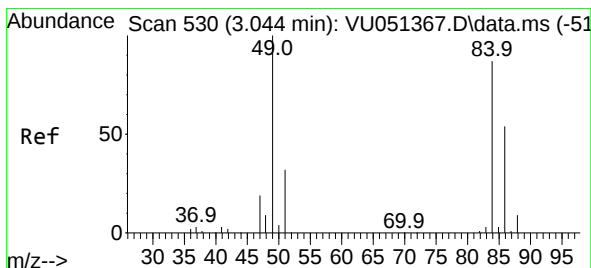
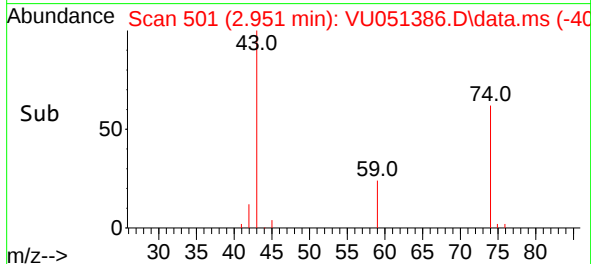
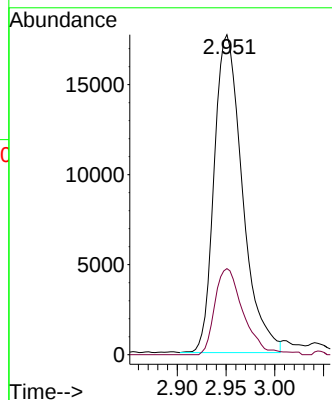
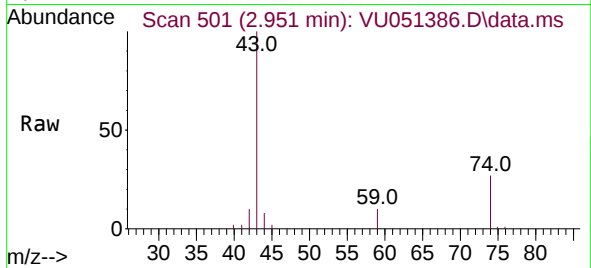




#15  
Methyl Acetate  
Concen: 5.191 ug/L  
RT: 2.951 min Scan# 502  
Delta R.T. -0.003 min  
Lab File: VU051386.D  
Acq: 12 Oct 2022 12:20

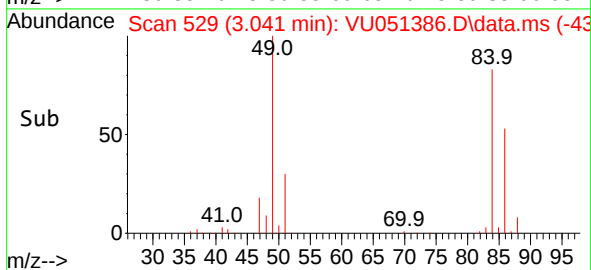
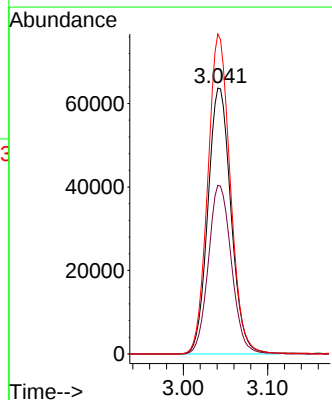
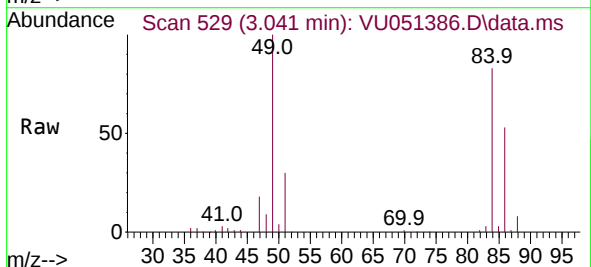
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005176

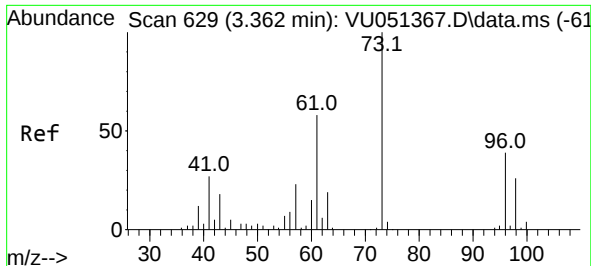
Tgt Ion: 43 Resp: 35586  
Ion Ratio Lower Upper  
43 100  
74 27.4 20.0 30.0



#16  
Methylene chloride  
Concen: 5.327 ug/L  
RT: 3.041 min Scan# 529  
Delta R.T. -0.003 min  
Lab File: VU051386.D  
Acq: 12 Oct 2022 12:20

Tgt Ion: 84 Resp: 121452  
Ion Ratio Lower Upper  
84 100  
86 63.4 46.5 86.3  
49 120.4 81.3 151.1





#17

Methyl tert-butyl Ether

Concen: 5.111 ug/L

RT: 3.362 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU051386.D

Acq: 12 Oct 2022 12:20

Instrument :

MSVOA\_U

ClientSampleId :

VSTD005176

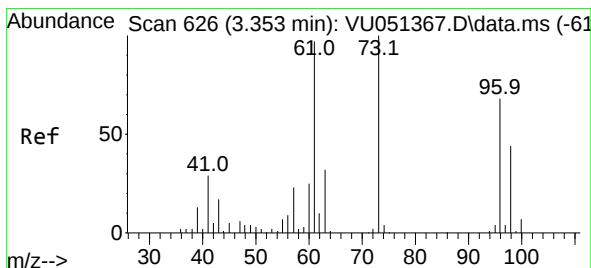
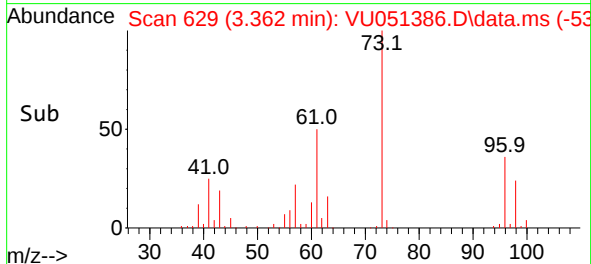
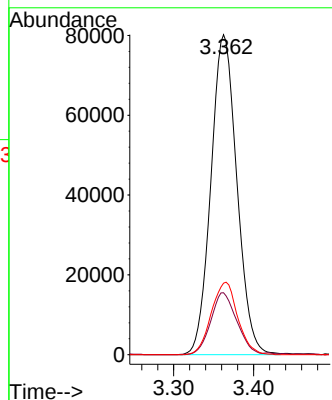
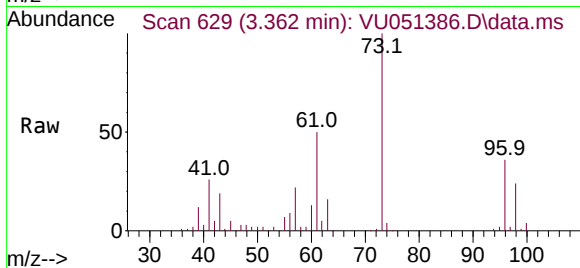
Tgt Ion: 73 Resp: 180775

Ion Ratio Lower Upper

73 100

43 19.4 15.4 23.0

57 23.0 18.9 28.3



#18

trans-1,2-Dichloroethene

Concen: 5.000 ug/L

RT: 3.353 min Scan# 626

Delta R.T. 0.000 min

Lab File: VU051386.D

Acq: 12 Oct 2022 12:20

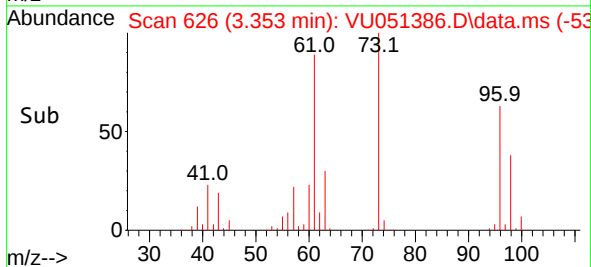
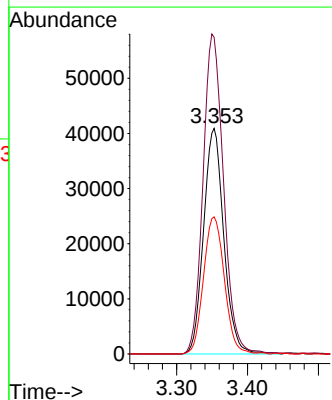
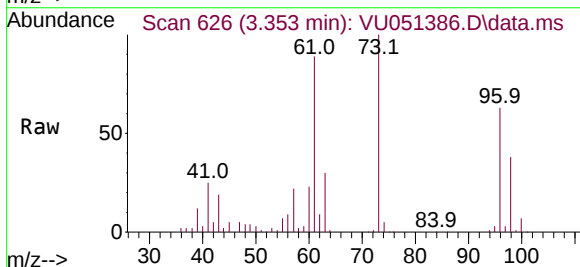
Tgt Ion: 96 Resp: 81208

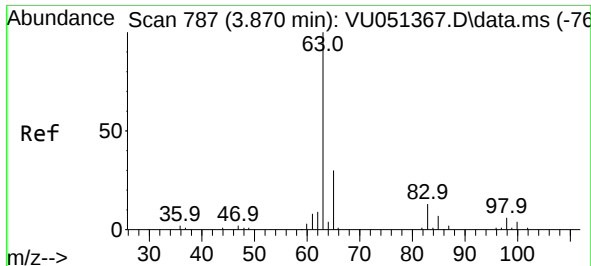
Ion Ratio Lower Upper

96 100

61 140.3 101.4 188.2

98 60.8 44.9 83.5





#19

1,1-Dichloroethane

Concen: 5.315 ug/L

RT: 3.867 min Scan# 786

Delta R.T. -0.003 min

Lab File: VU051386.D

Acq: 12 Oct 2022 12:20

Instrument :

MSVOA\_U

ClientSampleId :

VSTD005176

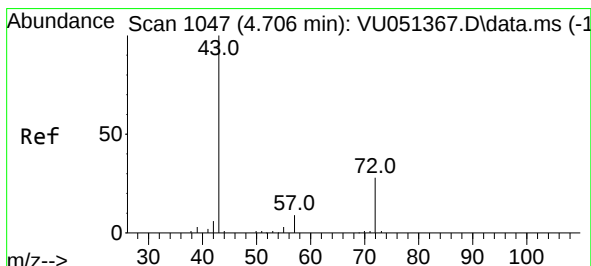
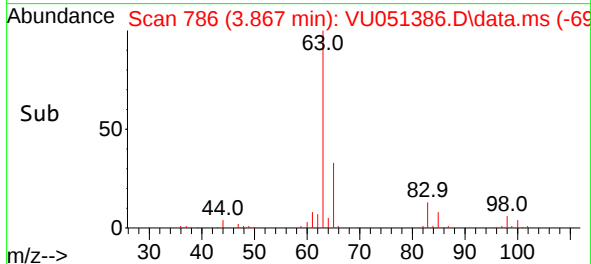
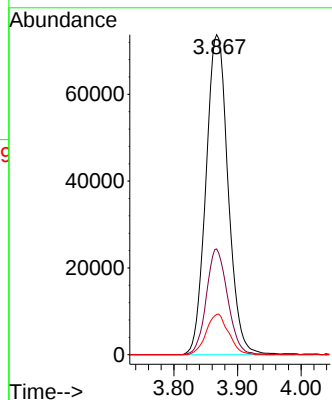
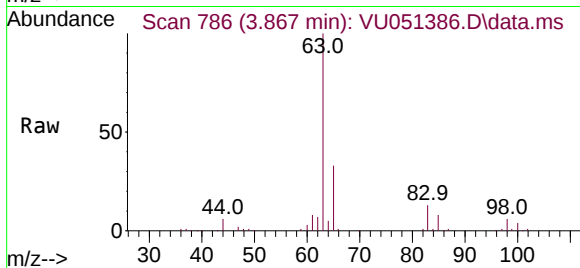
Tgt Ion: 63 Resp: 178155

Ion Ratio Lower Upper

63 100

65 33.1 22.0 41.0

83 12.6 9.0 16.6



#21

2-Butanone

Concen: 51.865 ug/L

RT: 4.703 min Scan# 1046

Delta R.T. -0.003 min

Lab File: VU051386.D

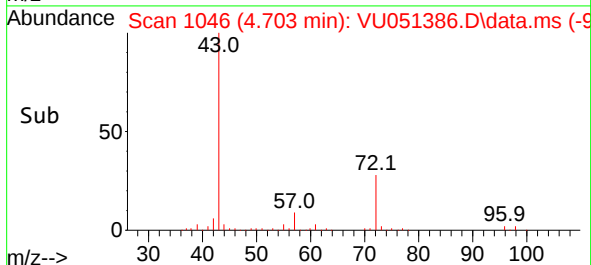
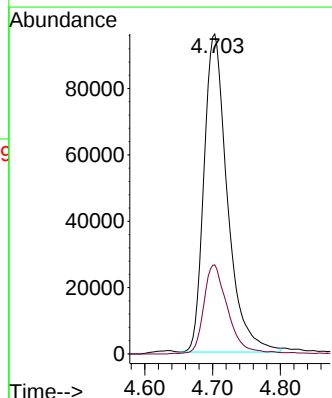
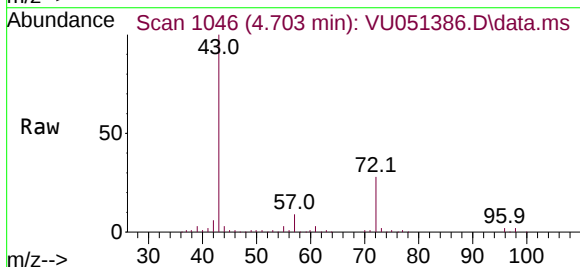
Acq: 12 Oct 2022 12:20

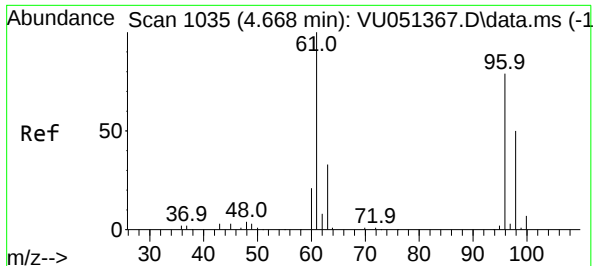
Tgt Ion: 43 Resp: 230513

Ion Ratio Lower Upper

43 100

72 28.5 13.8 41.4

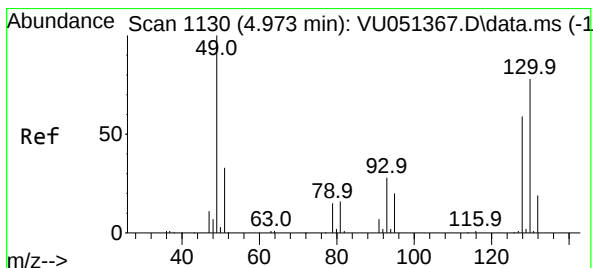
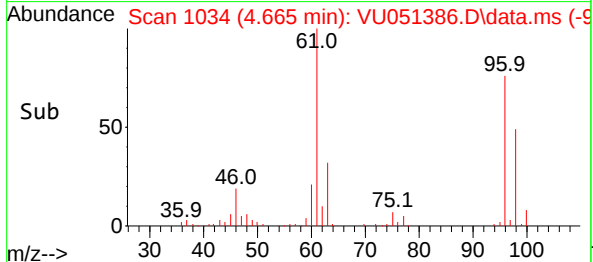
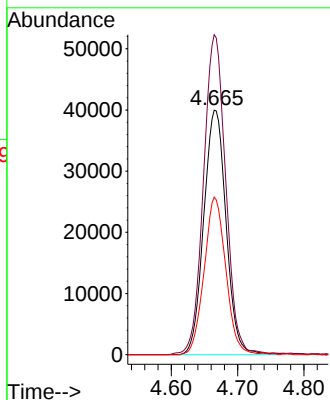
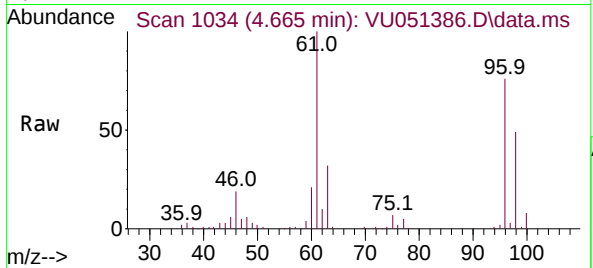




#22  
 cis-1,2-Dichloroethene  
 Concen: 5.200 ug/L  
 RT: 4.665 min Scan# 1034  
 Delta R.T. -0.003 min  
 Lab File: VU051386.D  
 Acq: 12 Oct 2022 12:20

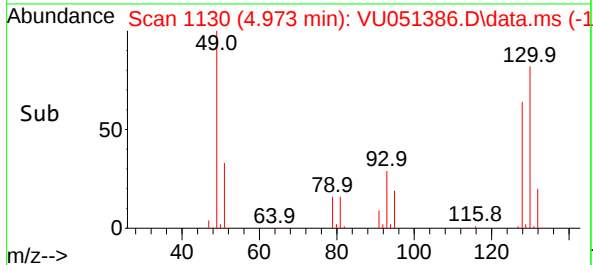
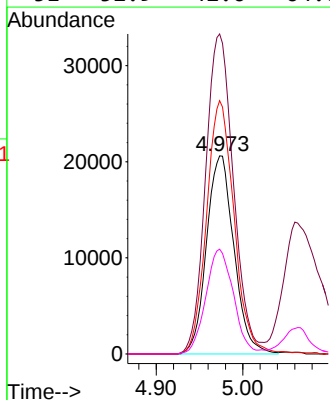
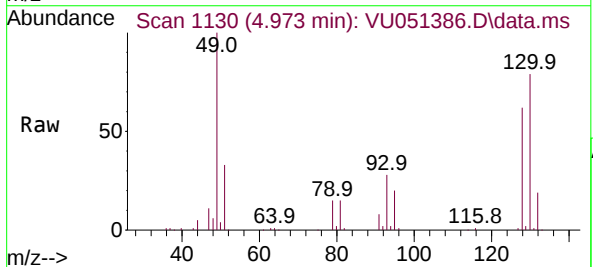
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005176

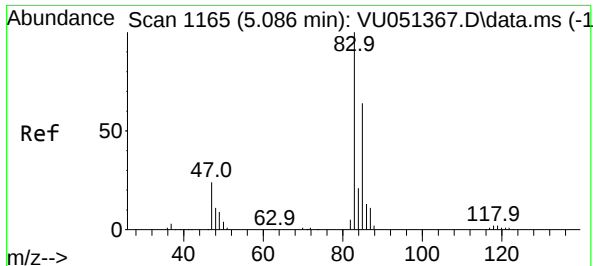
Tgt Ion: 96 Resp: 93567  
 Ion Ratio Lower Upper  
 96 100  
 61 130.9 90.6 168.2  
 98 64.5 47.5 88.3



#23  
 Bromochloromethane  
 Concen: 5.280 ug/L  
 RT: 4.973 min Scan# 1130  
 Delta R.T. 0.000 min  
 Lab File: VU051386.D  
 Acq: 12 Oct 2022 12:20

Tgt Ion: 128 Resp: 45328  
 Ion Ratio Lower Upper  
 128 100  
 49 161.5 118.0 219.2  
 130 127.9 88.8 164.8  
 51 52.9 42.6 64.0





#25

Chloroform

Concen: 5.197 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU051386.D

Acq: 12 Oct 2022 12:20

Instrument :

MSVOA\_U

ClientSampleId :

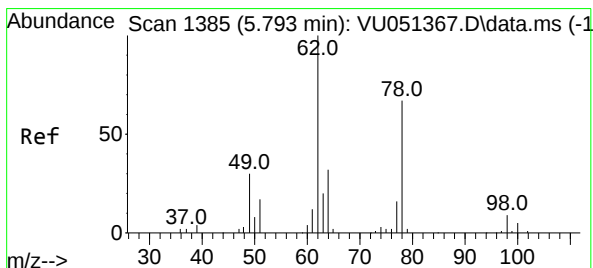
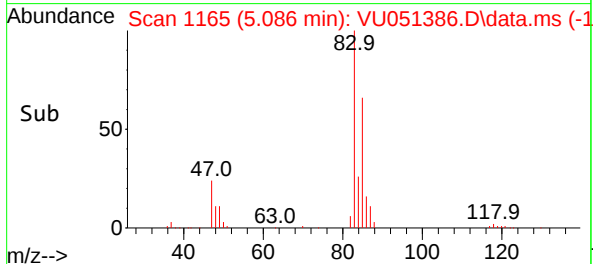
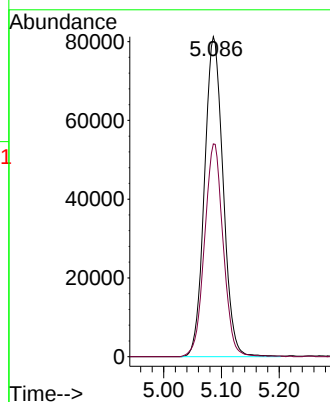
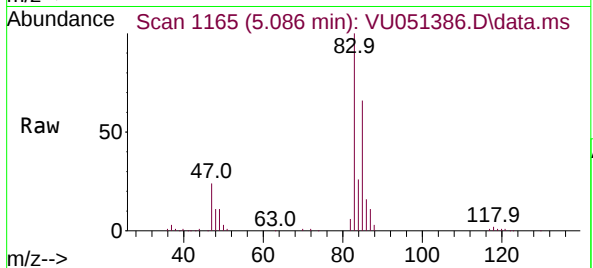
VSTD005176

Tgt Ion: 83 Resp: 181955

Ion Ratio Lower Upper

83 100

85 66.5 45.6 84.6



#27

1,2-Dichloroethane

Concen: 5.319 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VU051386.D

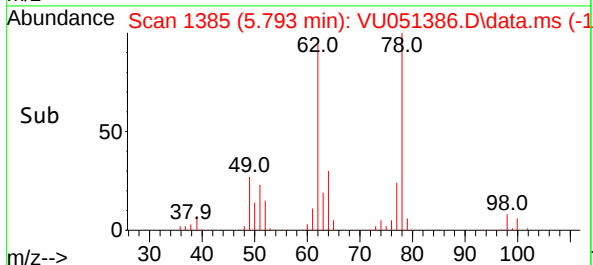
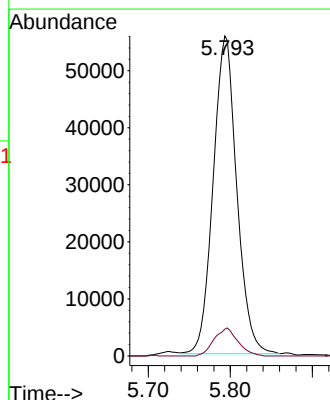
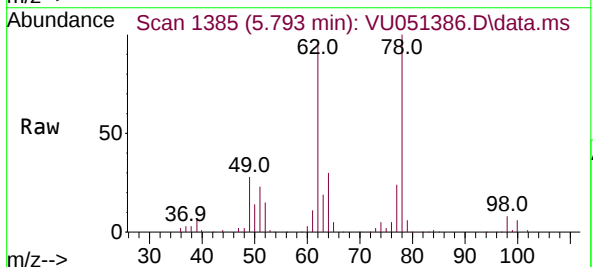
Acq: 12 Oct 2022 12:20

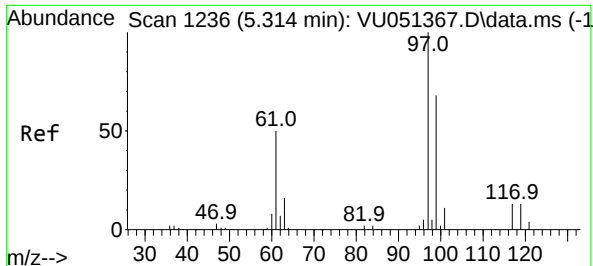
Tgt Ion: 62 Resp: 111556

Ion Ratio Lower Upper

62 100

98 8.4 7.7 11.5





#29

1,1,1-Trichloroethane

Concen: 4.900 ug/L

RT: 5.317 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU051386.D

Acq: 12 Oct 2022 12:20

Instrument :

MSVOA\_U

ClientSampleId :

VSTD005176

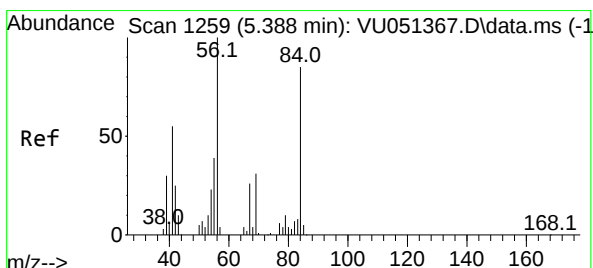
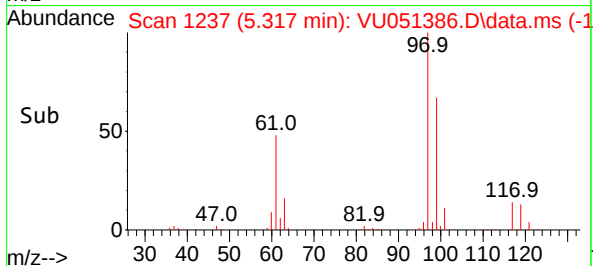
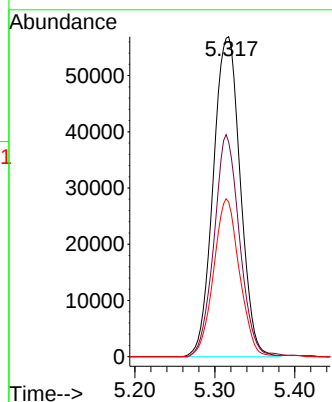
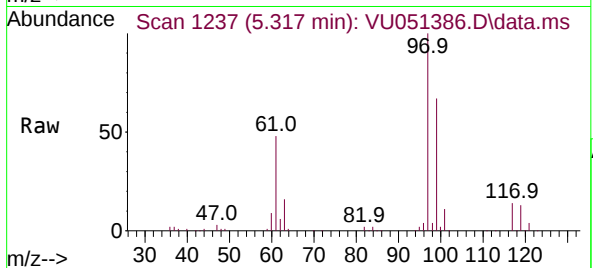
Tgt Ion: 97 Resp: 133315

Ion Ratio Lower Upper

97 100

99 65.8 50.2 75.4

61 47.3 38.7 58.1



#30

Cyclohexane

Concen: 4.354 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.003 min

Lab File: VU051386.D

Acq: 12 Oct 2022 12:20

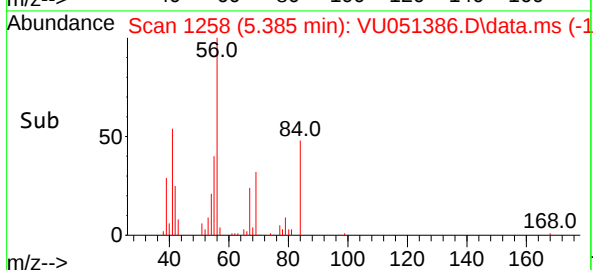
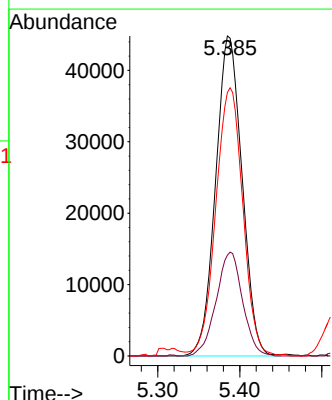
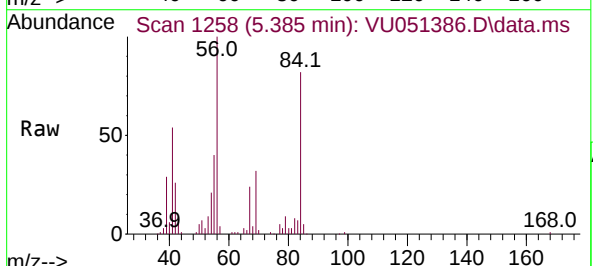
Tgt Ion: 56 Resp: 100479

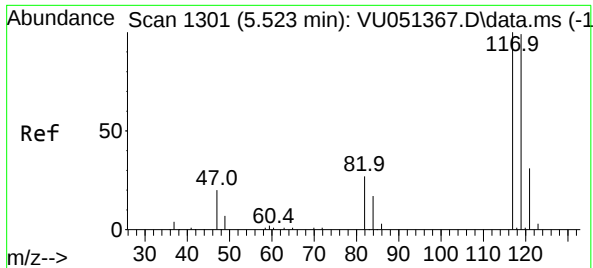
Ion Ratio Lower Upper

56 100

69 32.4 25.1 37.7

84 84.9 70.9 106.3

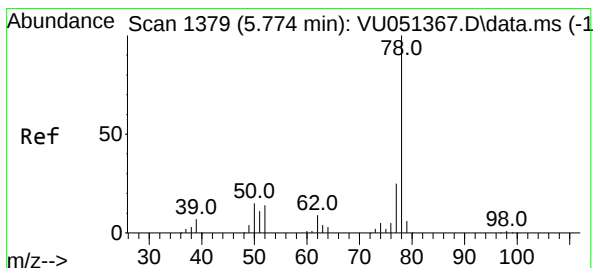
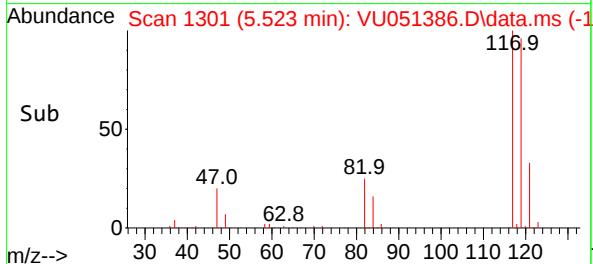
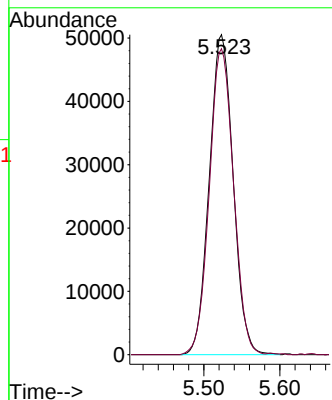
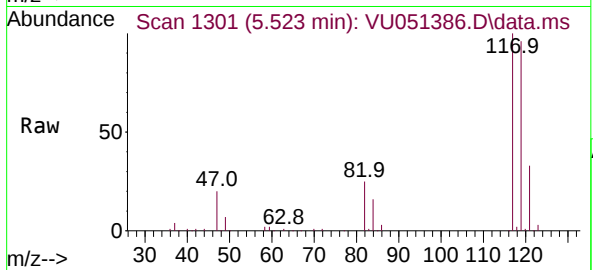




#31  
Carbon tetrachloride  
Concen: 4.791 ug/L  
RT: 5.523 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU051386.D  
Acq: 12 Oct 2022 12:20

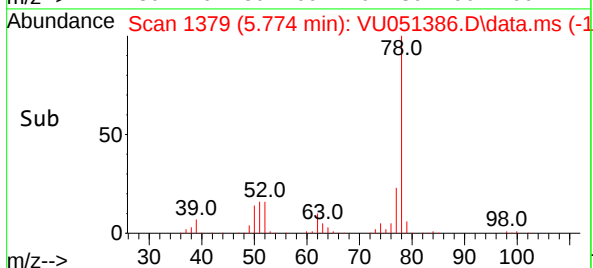
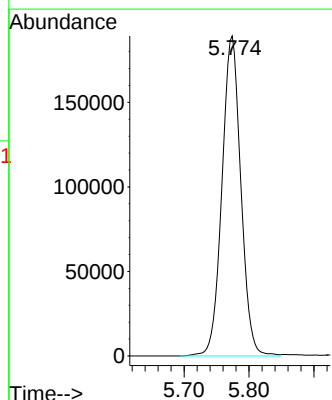
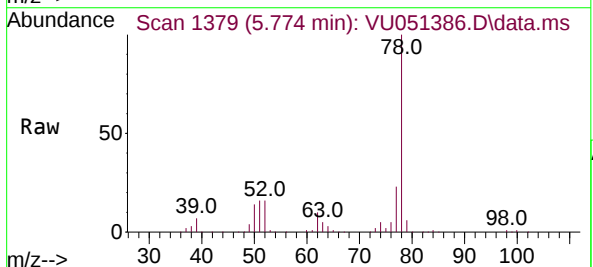
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005176

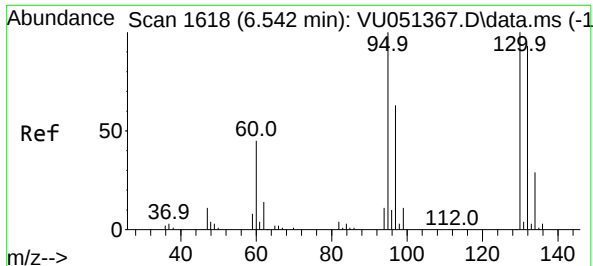
Tgt Ion:117 Resp: 110313  
Ion Ratio Lower Upper  
117 100  
119 96.7 78.4 117.6



#33  
Benzene  
Concen: 5.032 ug/L  
RT: 5.774 min Scan# 1379  
Delta R.T. 0.000 min  
Lab File: VU051386.D  
Acq: 12 Oct 2022 12:20

Tgt Ion: 78 Resp: 381497



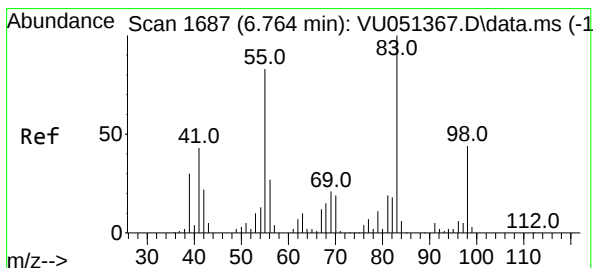
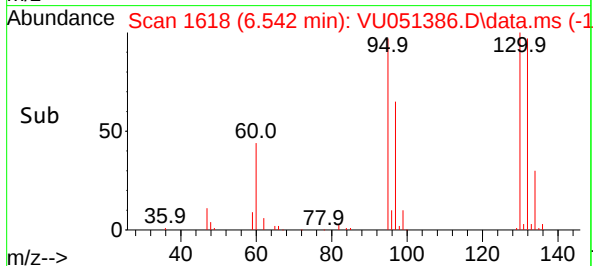
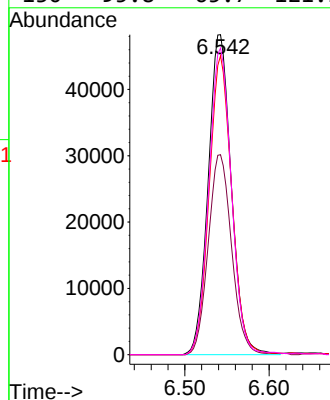
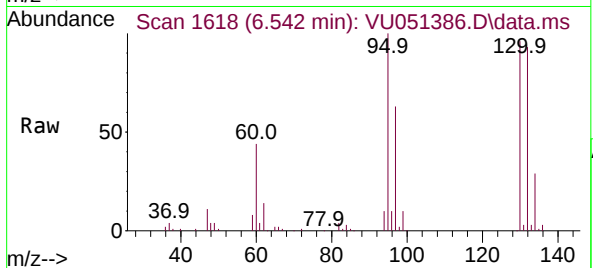


#34  
Trichloroethene  
Concen: 4.868 ug/L  
RT: 6.542 min Scan# 1618  
Delta R.T. 0.000 min  
Lab File: VU051386.D  
Acq: 12 Oct 2022 12:20

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005176

Tgt Ion: 95 Resp: 92059

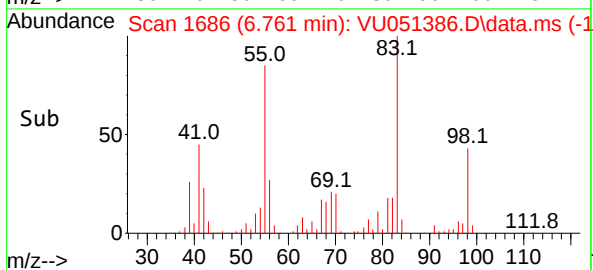
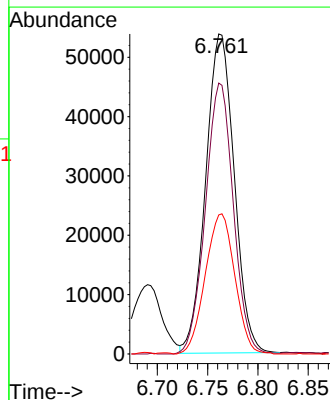
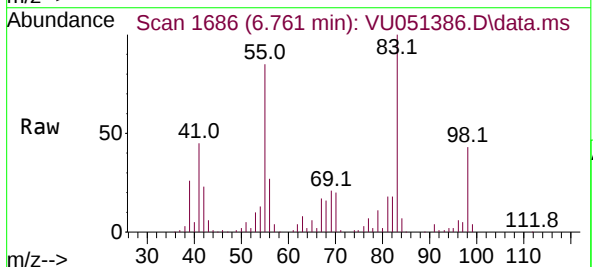
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 62.5  | 45.4  | 84.2  |
| 132 | 93.4  | 63.1  | 117.3 |
| 130 | 95.8  | 65.7  | 121.9 |

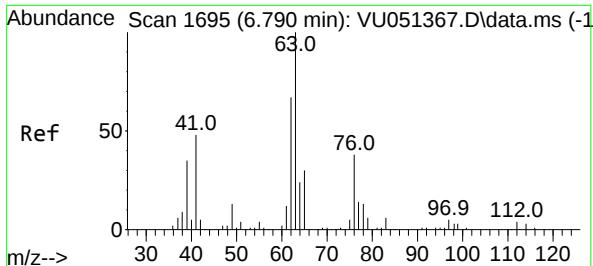


#35  
Methylcyclohexane  
Concen: 4.448 ug/L  
RT: 6.761 min Scan# 1686  
Delta R.T. -0.003 min  
Lab File: VU051386.D  
Acq: 12 Oct 2022 12:20

Tgt Ion: 83 Resp: 106132

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 83.3  | 65.8  | 98.6  |
| 98  | 45.4  | 35.9  | 53.9  |

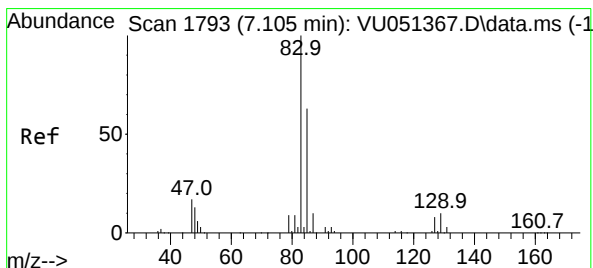
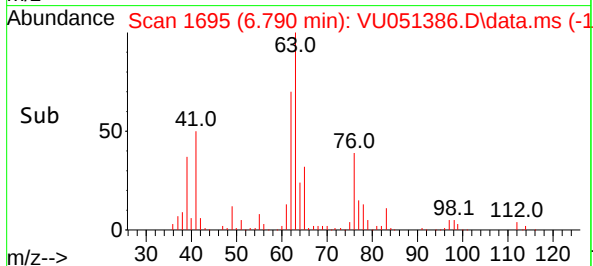
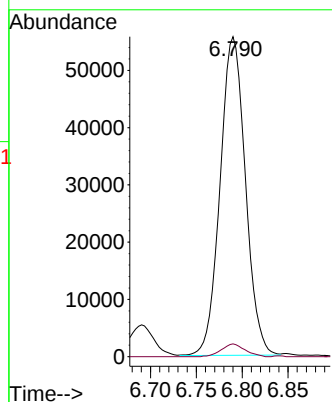
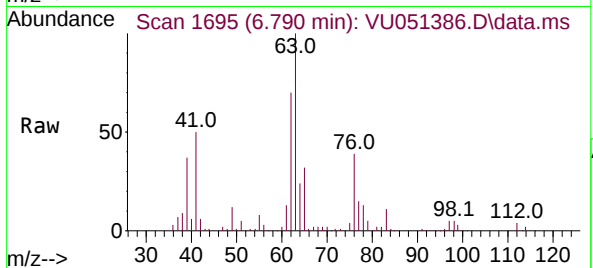




#37  
1,2-Dichloropropane  
Concen: 5.153 ug/L  
RT: 6.790 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VU051386.D  
Acq: 12 Oct 2022 12:20

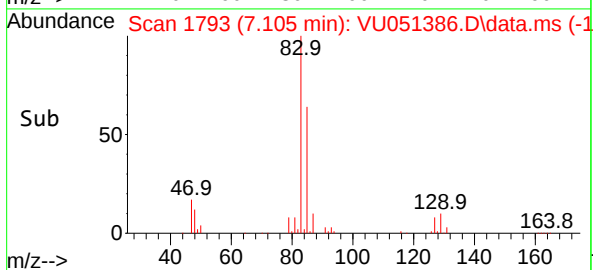
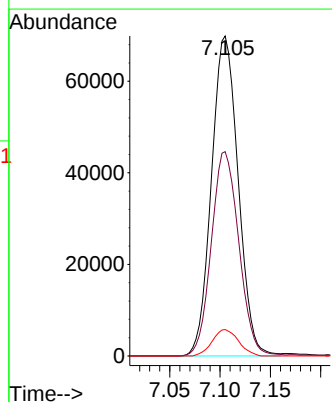
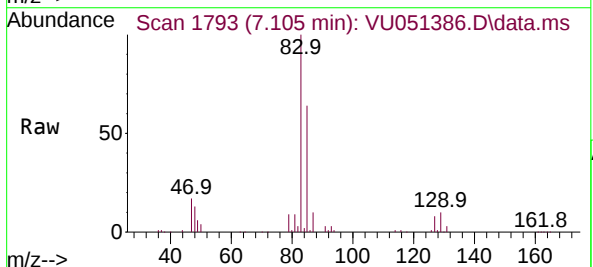
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005176

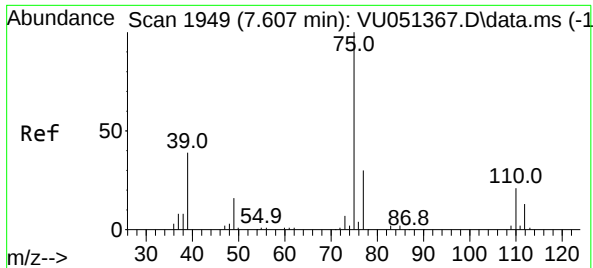
Tgt Ion: 63 Resp: 107074  
Ion Ratio Lower Upper  
63 100  
112 3.7 3.2 4.8



#38  
Bromodichloromethane  
Concen: 5.215 ug/L  
RT: 7.105 min Scan# 1793  
Delta R.T. 0.000 min  
Lab File: VU051386.D  
Acq: 12 Oct 2022 12:20

Tgt Ion: 83 Resp: 129252  
Ion Ratio Lower Upper  
83 100  
85 63.9 44.8 83.2  
127 8.2 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 5.111 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU051386.D

Acq: 12 Oct 2022 12:20

Instrument :

MSVOA\_U

ClientSampleId :

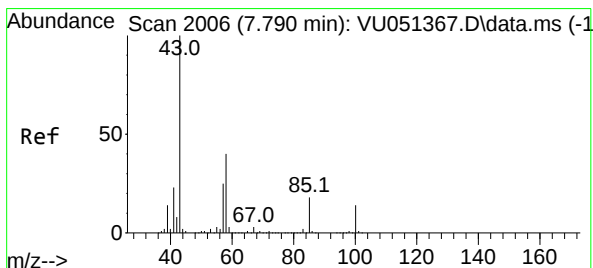
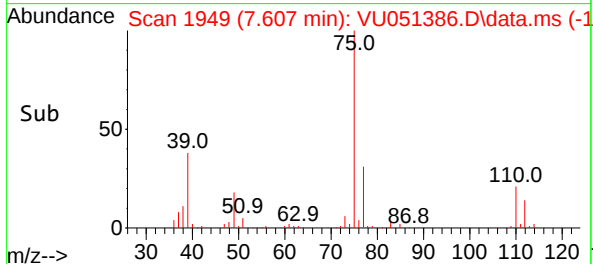
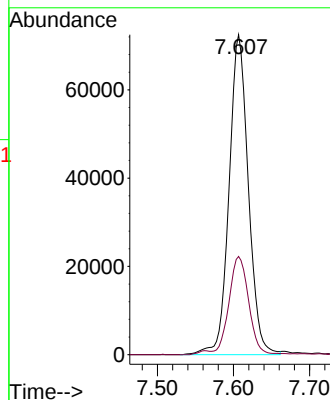
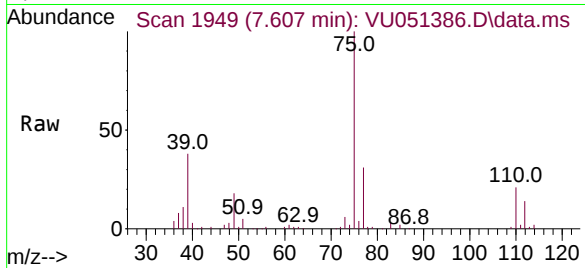
VSTD005176

Tgt Ion: 75 Resp: 127652

Ion Ratio Lower Upper

75 100

77 30.7 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 50.920 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU051386.D

Acq: 12 Oct 2022 12:20

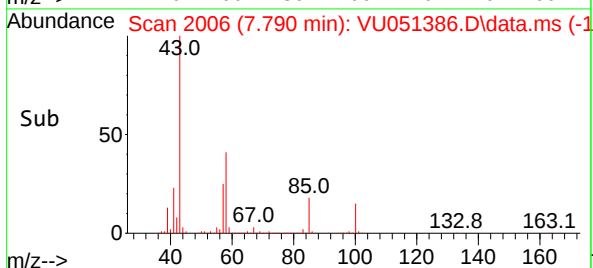
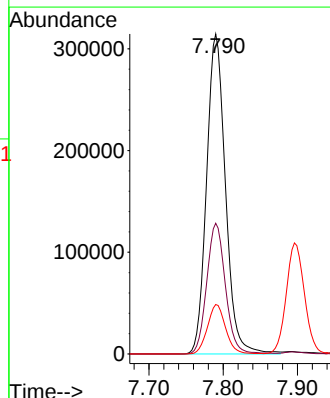
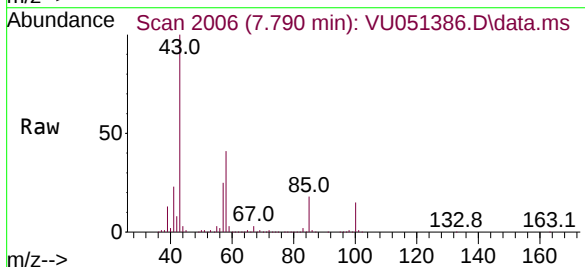
Tgt Ion: 43 Resp: 555095

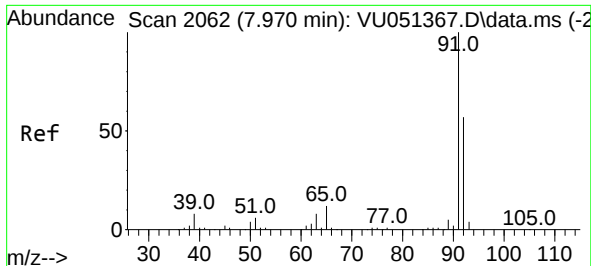
Ion Ratio Lower Upper

43 100

58 40.4 33.0 49.6

100 14.9 11.8 17.6





#42

Toluene

Concen: 5.006 ug/L

RT: 7.967 min Scan# 2062

Delta R.T. -0.003 min

Lab File: VU051386.D

Acq: 12 Oct 2022 12:20

Instrument :

MSVOA\_U

ClientSampleId :

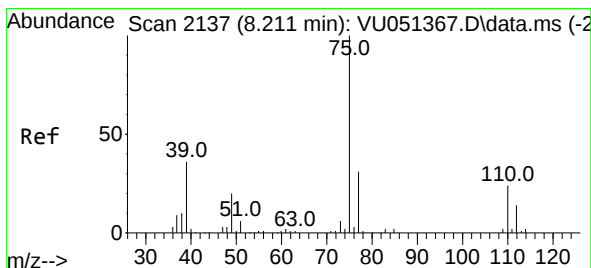
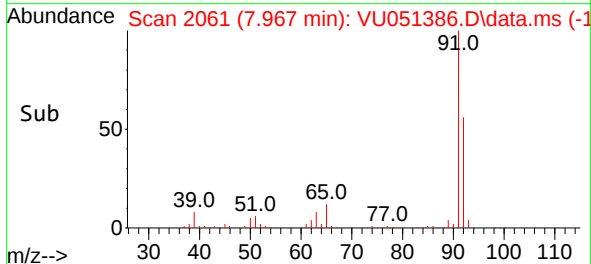
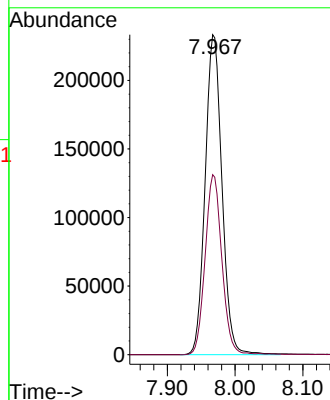
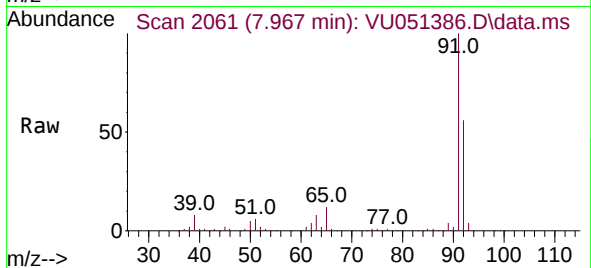
VSTD005176

Tgt Ion: 91 Resp: 402793

Ion Ratio Lower Upper

91 100

92 56.3 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 5.361 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.003 min

Lab File: VU051386.D

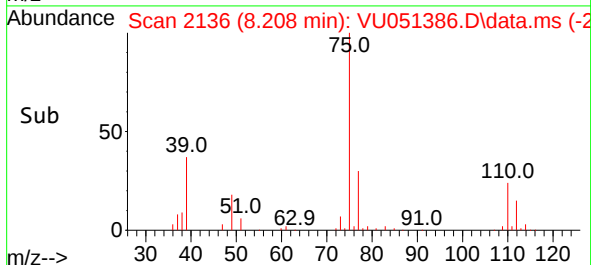
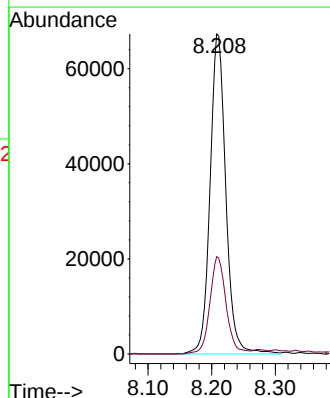
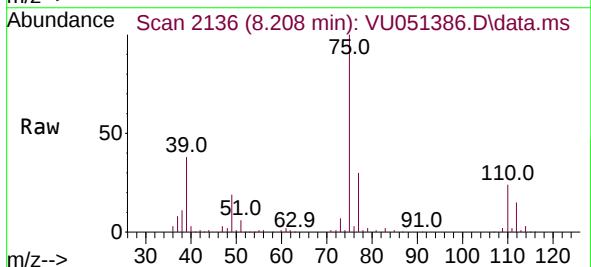
Acq: 12 Oct 2022 12:20

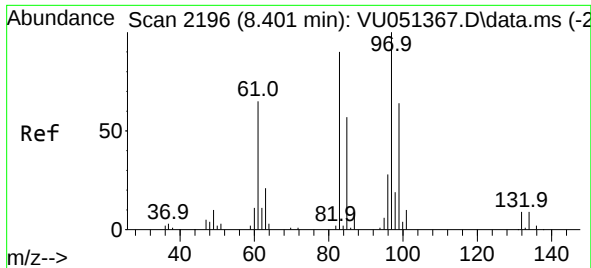
Tgt Ion: 75 Resp: 115789

Ion Ratio Lower Upper

75 100

77 30.4 21.8 40.6

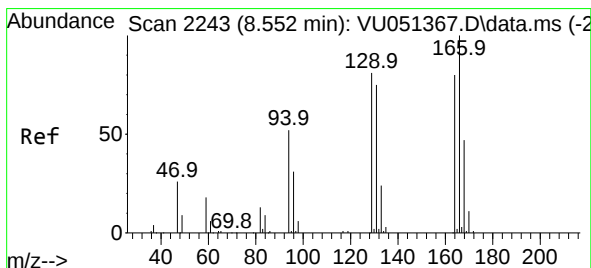
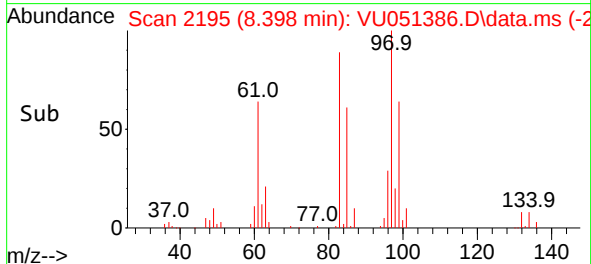
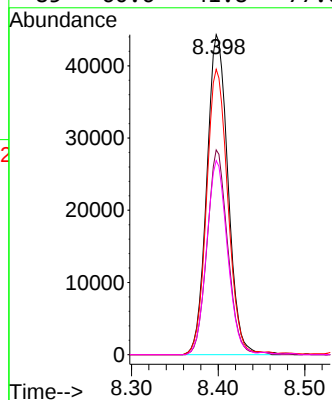
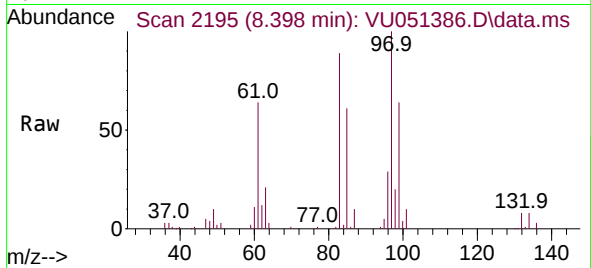




#45  
1,1,2-Trichloroethane  
Concen: 5.176 ug/L  
RT: 8.398 min Scan# 2195  
Delta R.T. -0.003 min  
Lab File: VU051386.D  
Acq: 12 Oct 2022 12:20

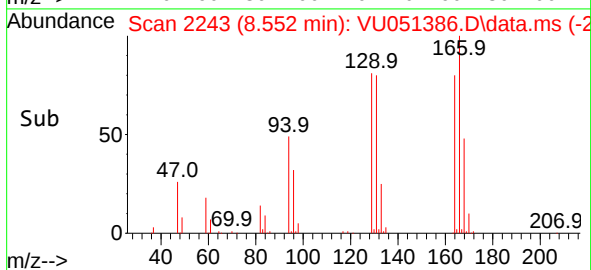
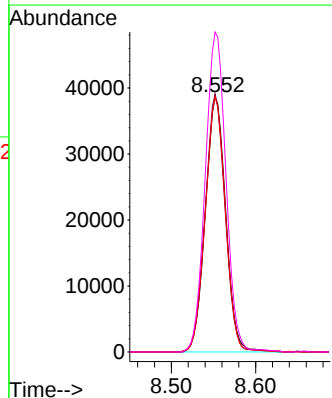
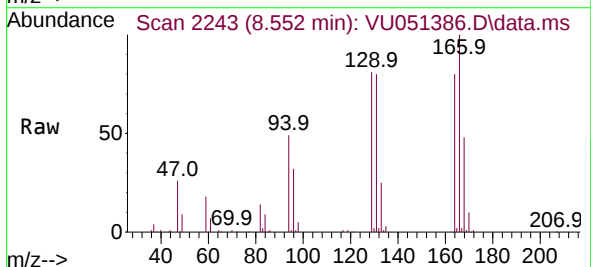
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005176

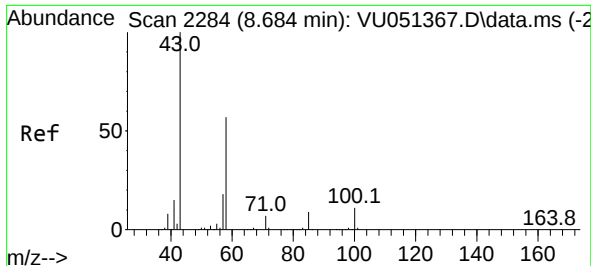
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 75515 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 64.0  | 45.3  | 84.1  |
| 83       | 89.2  | 63.1  | 117.1 |
| 85       | 60.6  | 41.8  | 77.6  |



#47  
Tetrachloroethene  
Concen: 4.688 ug/L  
RT: 8.552 min Scan# 2243  
Delta R.T. 0.000 min  
Lab File: VU051386.D  
Acq: 12 Oct 2022 12:20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 65189 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 101.1 | 71.3  | 132.3 |
| 131      | 99.8  | 66.9  | 124.3 |
| 166      | 125.3 | 90.9  | 168.7 |

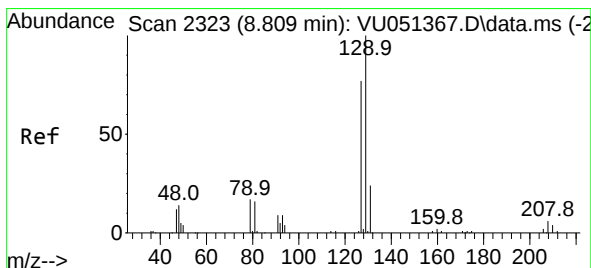
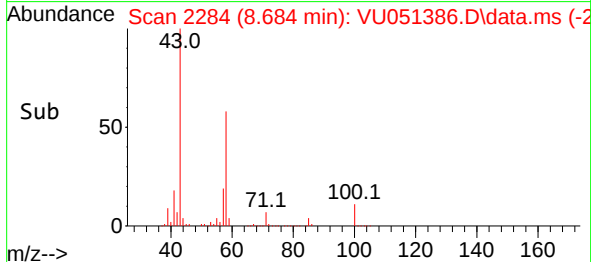
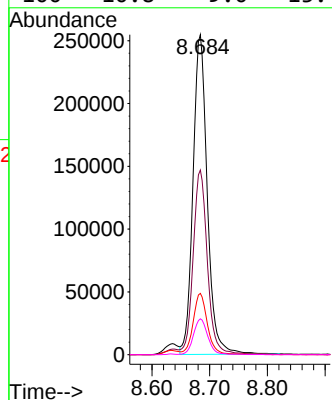
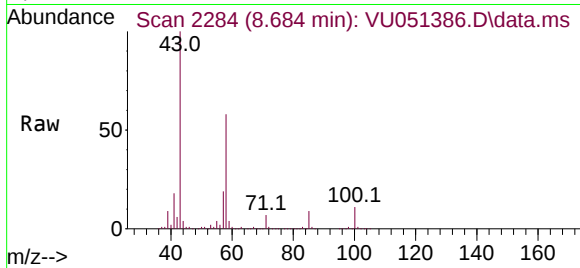




#48  
2-Hexanone  
Concen: 53.899 ug/L  
RT: 8.684 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU051386.D  
Acq: 12 Oct 2022 12:20

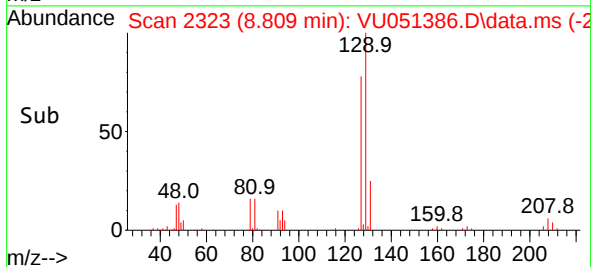
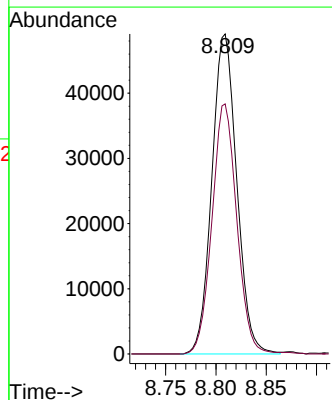
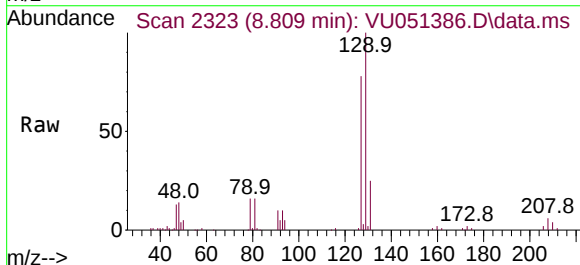
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005176

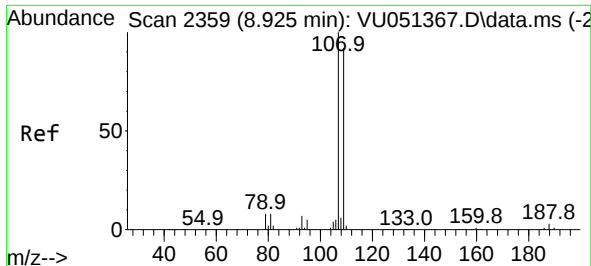
Tgt Ion: 43 Resp: 437489  
Ion Ratio Lower Upper  
43 100  
58 57.0 48.2 72.2  
57 18.9 15.5 23.3  
100 10.8 9.0 13.4



#49  
Dibromochloromethane  
Concen: 5.164 ug/L  
RT: 8.809 min Scan# 2323  
Delta R.T. 0.000 min  
Lab File: VU051386.D  
Acq: 12 Oct 2022 12:20

Tgt Ion: 129 Resp: 84586  
Ion Ratio Lower Upper  
129 100  
127 78.1 53.5 99.3





#50

1,2-Dibromoethane

Concen: 5.231 ug/L

RT: 8.922 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU051386.D

Acq: 12 Oct 2022 12:20

Instrument :

MSVOA\_U

ClientSampleId :

VSTD005176

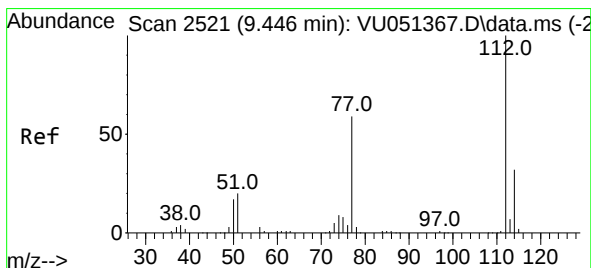
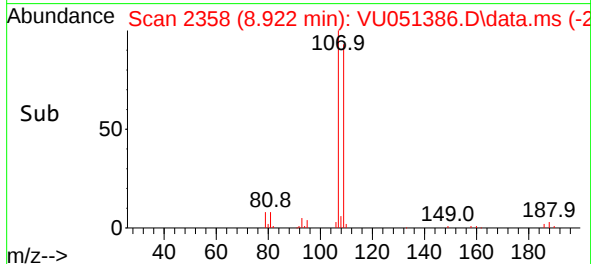
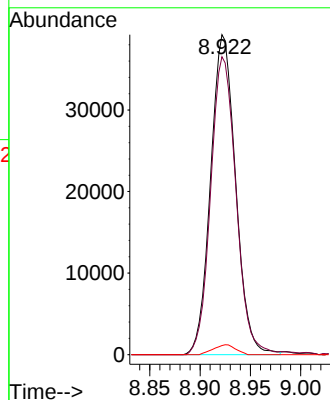
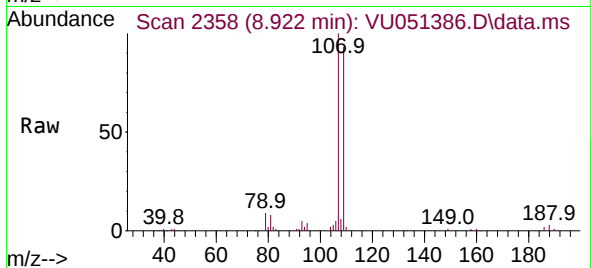
Tgt Ion:107 Resp: 67936

Ion Ratio Lower Upper

107 100

109 93.1 67.1 124.7

188 2.8 2.5 3.7



#51

Chlorobenzene

Concen: 5.166 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.000 min

Lab File: VU051386.D

Acq: 12 Oct 2022 12:20

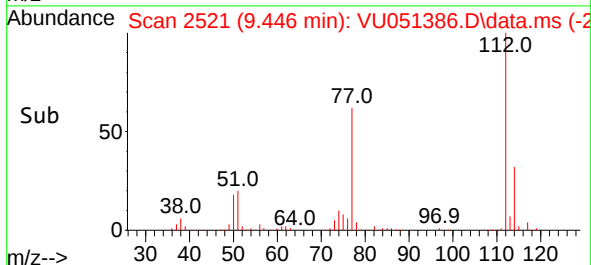
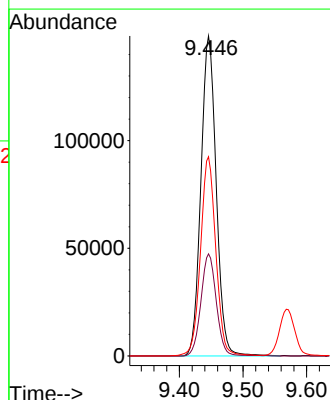
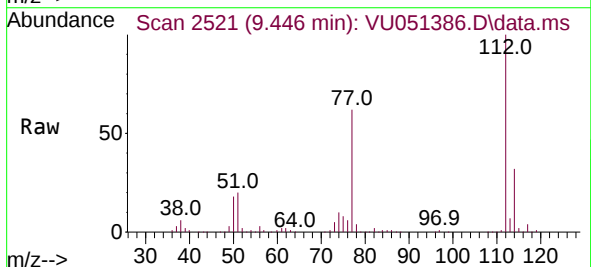
Tgt Ion:112 Resp: 248391

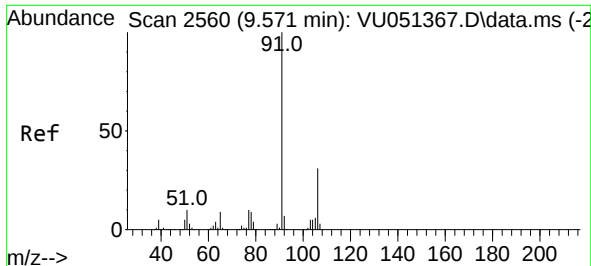
Ion Ratio Lower Upper

112 100

114 31.9 22.3 41.5

77 62.3 48.1 72.1

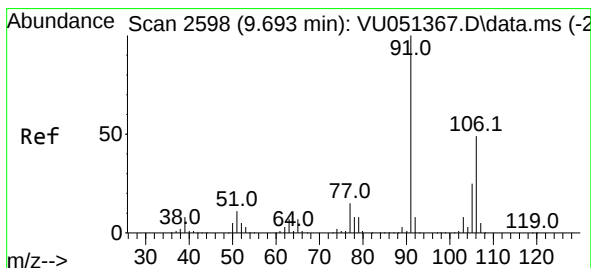
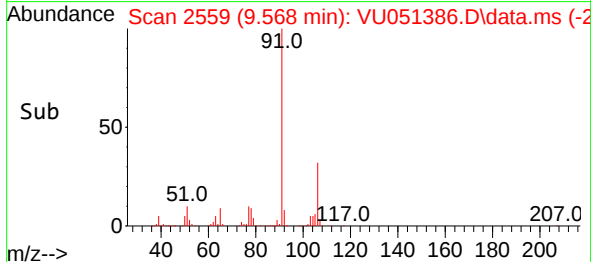
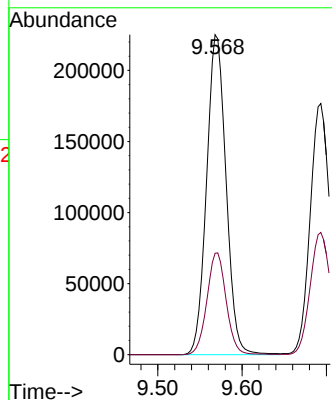
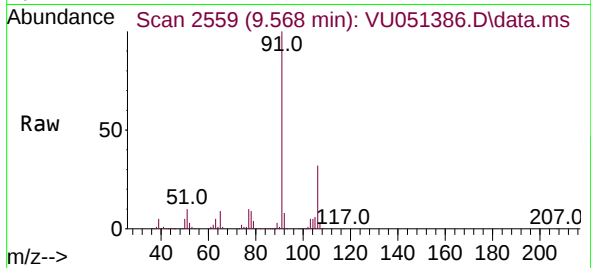




#52  
Ethylbenzene  
Concen: 5.007 ug/L  
RT: 9.568 min Scan# 2559  
Delta R.T. -0.003 min  
Lab File: VU051386.D  
Acq: 12 Oct 2022 12:20

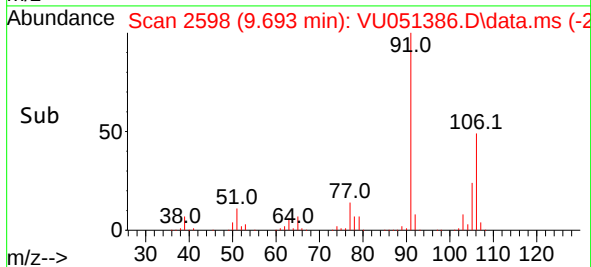
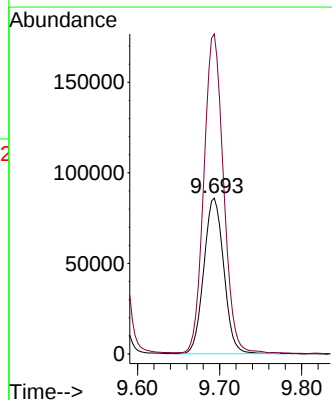
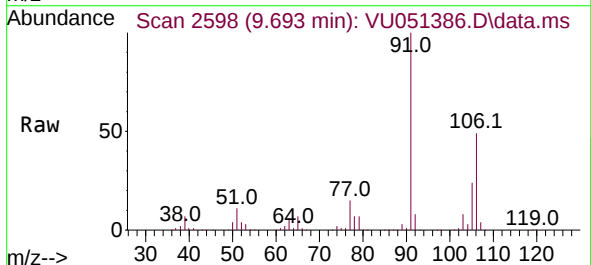
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005176

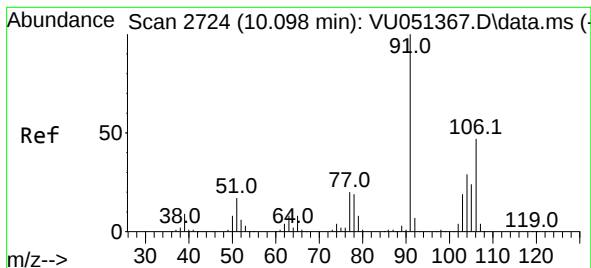
Tgt Ion: 91 Resp: 362088  
Ion Ratio Lower Upper  
91 100  
106 31.7 20.9 38.7



#53  
m,p-Xylene  
Concen: 5.169 ug/L  
RT: 9.693 min Scan# 2598  
Delta R.T. 0.000 min  
Lab File: VU051386.D  
Acq: 12 Oct 2022 12:20

Tgt Ion: 106 Resp: 144957  
Ion Ratio Lower Upper  
106 100  
91 205.4 143.9 267.3





#54

o-Xylene

Concen: 5.237 ug/L

RT: 10.099 min Scan# 2724

Delta R.T. 0.000 min

Lab File: VU051386.D

Acq: 12 Oct 2022 12:20

Instrument :

MSVOA\_U

ClientSampleId :

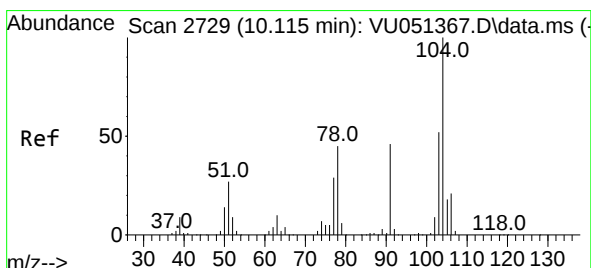
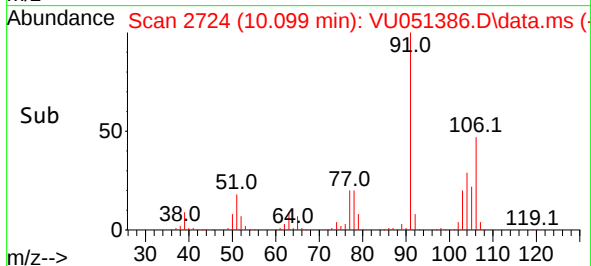
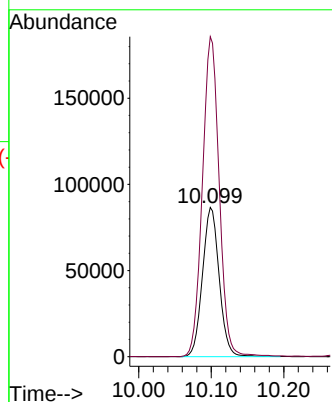
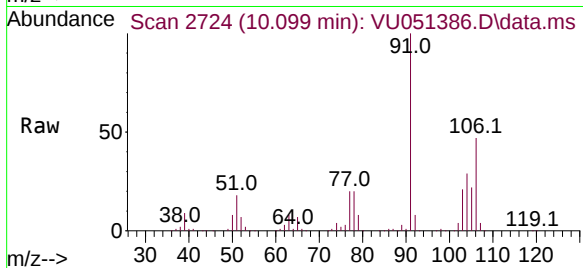
VSTD005176

Tgt Ion:106 Resp: 138972

Ion Ratio Lower Upper

106 100

91 214.4 154.4 286.8



#55

Styrene

Concen: 5.426 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. 0.000 min

Lab File: VU051386.D

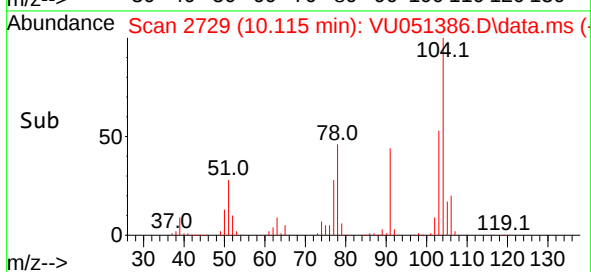
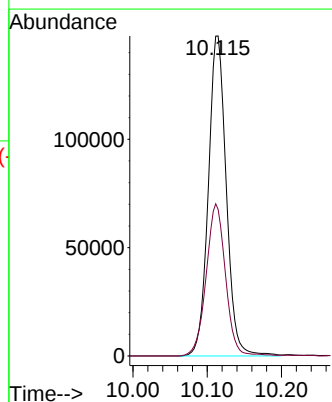
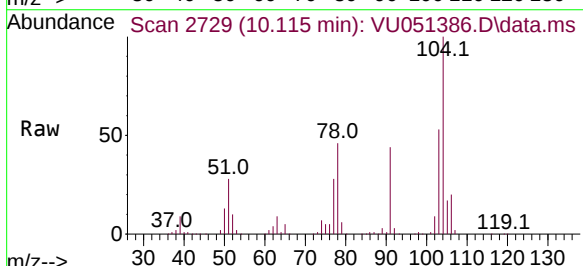
Acq: 12 Oct 2022 12:20

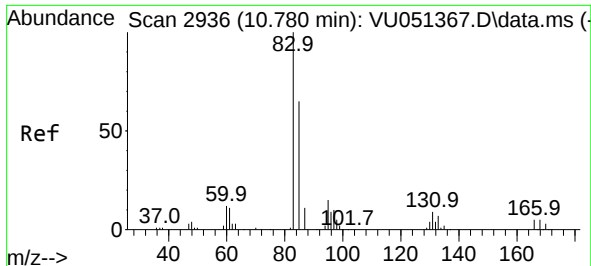
Tgt Ion:104 Resp: 247867

Ion Ratio Lower Upper

104 100

78 45.8 32.1 59.7

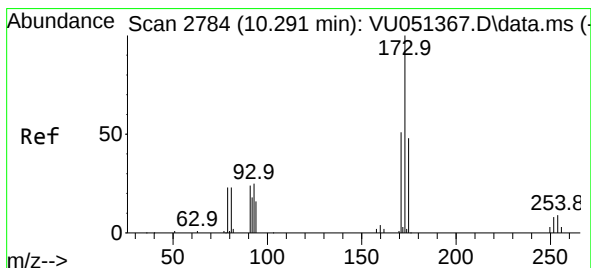
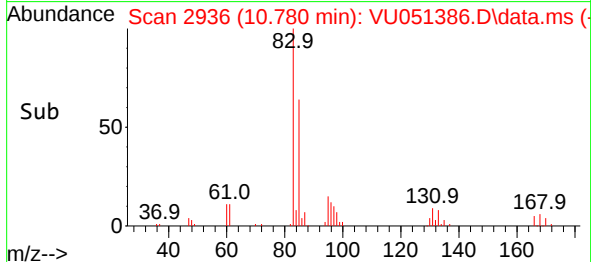
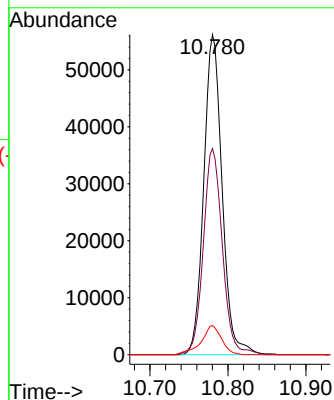
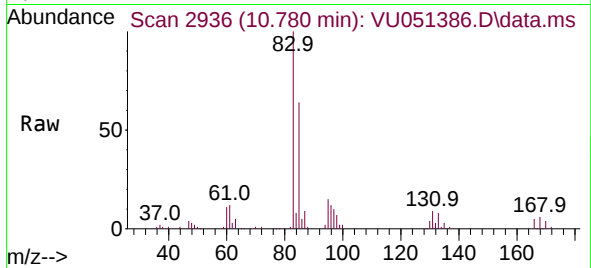




#57  
1,1,2,2-Tetrachloroethane  
Concen: 5.090 ug/L  
RT: 10.780 min Scan# 2936  
Delta R.T. 0.000 min  
Lab File: VU051386.D  
Acq: 12 Oct 2022 12:20

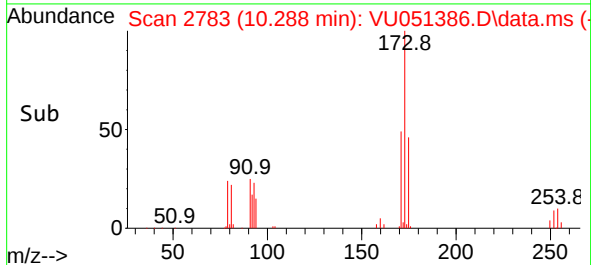
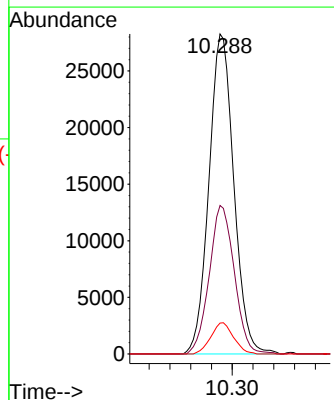
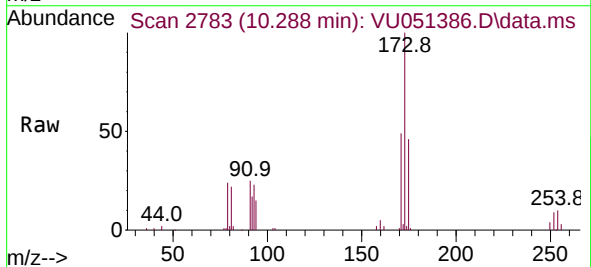
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005176

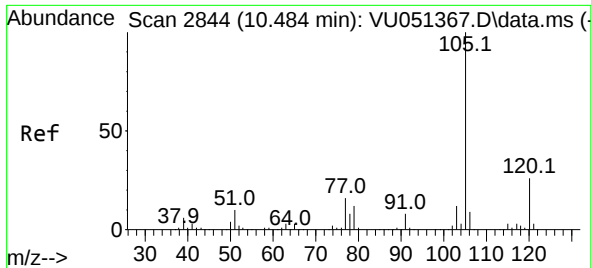
Tgt Ion: 83 Resp: 91915  
Ion Ratio Lower Upper  
83 100  
85 64.4 45.9 85.3  
131 9.1 7.4 11.2



#59  
Bromoform  
Concen: 4.949 ug/L  
RT: 10.288 min Scan# 2783  
Delta R.T. -0.003 min  
Lab File: VU051386.D  
Acq: 12 Oct 2022 12:20

Tgt Ion: 173 Resp: 46951  
Ion Ratio Lower Upper  
173 100  
175 46.7 39.0 58.4  
254 8.9 7.5 11.3

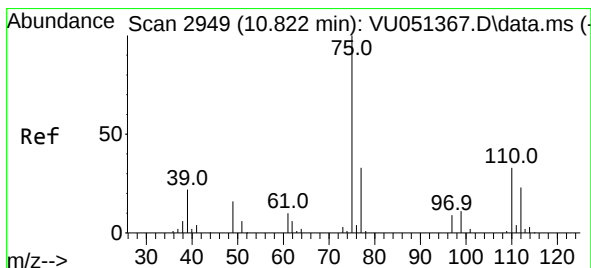
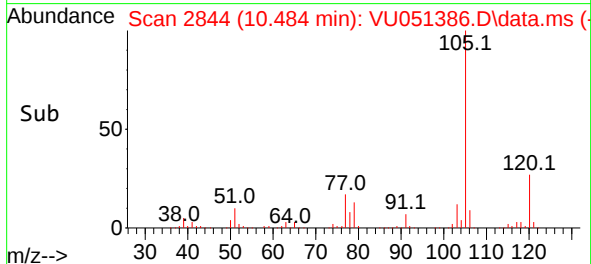
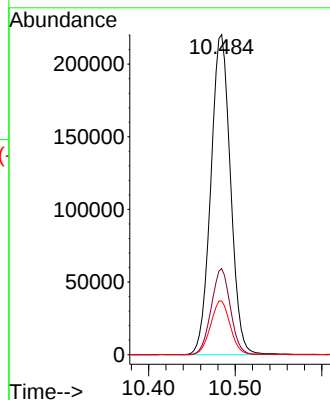
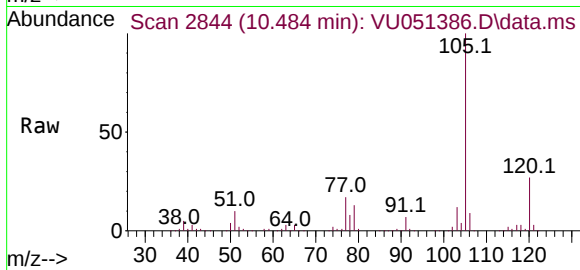




#60  
Isopropylbenzene  
Concen: 4.812 ug/L  
RT: 10.484 min Scan# 2844  
Delta R.T. 0.000 min  
Lab File: VU051386.D  
Acq: 12 Oct 2022 12:20

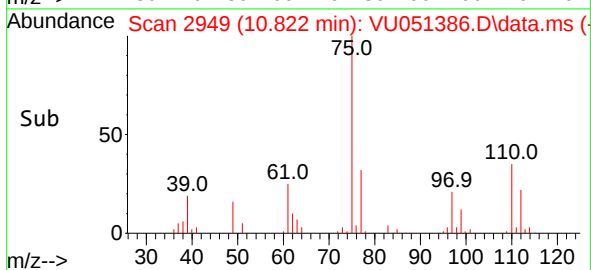
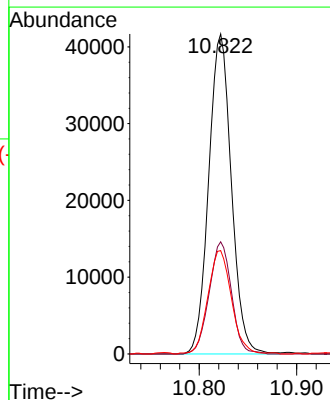
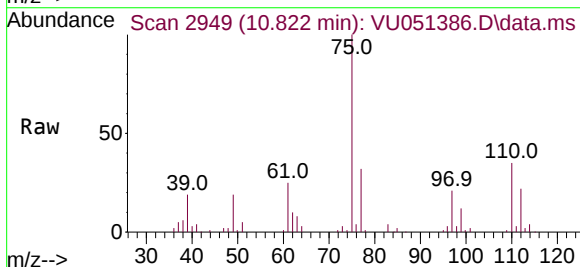
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005176

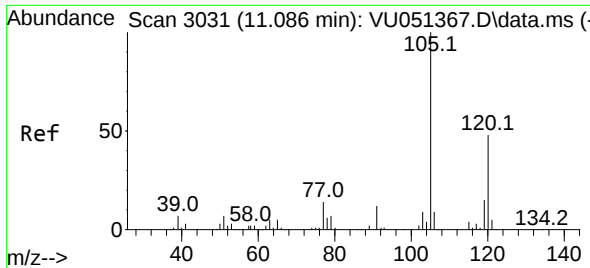
Tgt Ion:105 Resp: 347558  
Ion Ratio Lower Upper  
105 100  
120 26.2 20.6 30.8  
77 16.9 13.5 20.3



#61  
1,2,3-Trichloropropane  
Concen: 4.670 ug/L  
RT: 10.822 min Scan# 2949  
Delta R.T. 0.000 min  
Lab File: VU051386.D  
Acq: 12 Oct 2022 12:20

Tgt Ion: 75 Resp: 67250  
Ion Ratio Lower Upper  
75 100  
110 34.5 27.0 40.6  
77 33.6 26.4 39.6

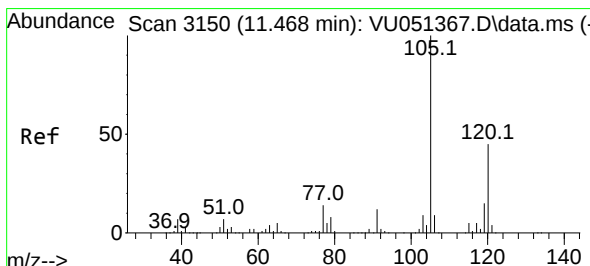
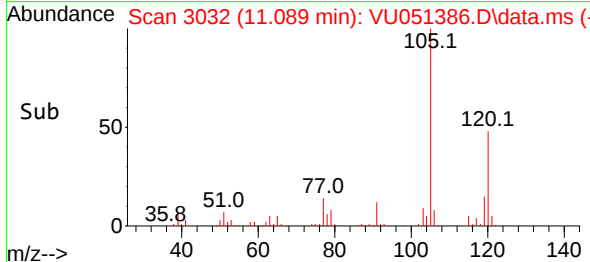
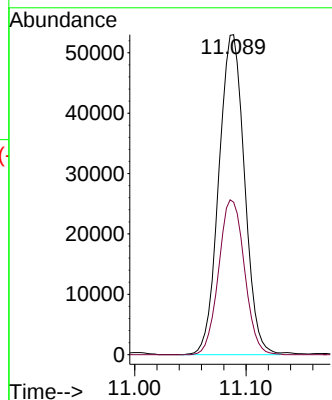
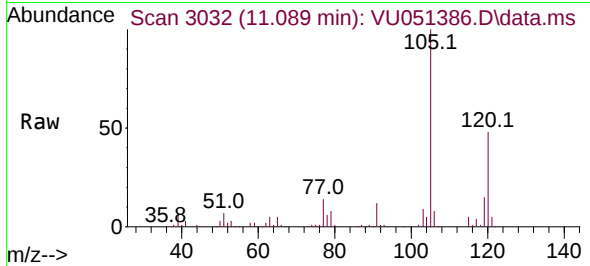




#62  
1,3,5-Trimethylbenzene  
Concen: 4.435 ug/L  
RT: 11.089 min Scan# 3031  
Delta R.T. 0.003 min  
Lab File: VU051386.D  
Acq: 12 Oct 2022 12:20

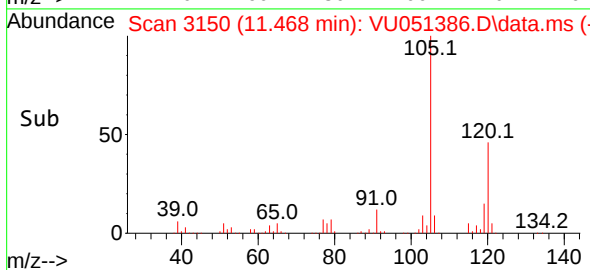
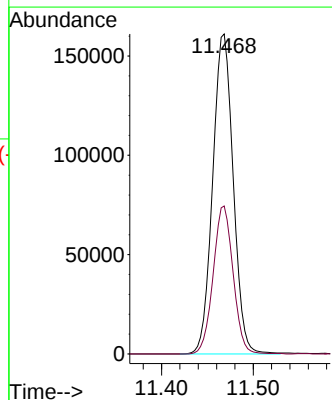
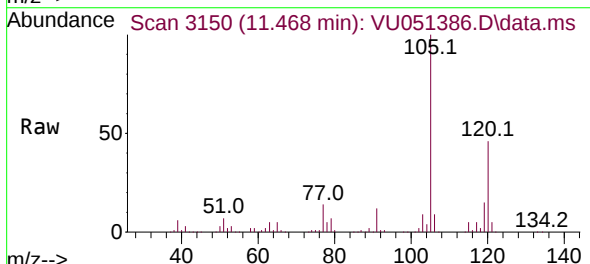
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005176

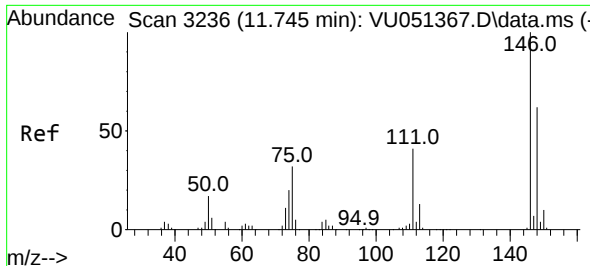
Tgt Ion:105 Resp: 84972  
Ion Ratio Lower Upper  
105 100  
120 48.5 37.7 56.5



#63  
1,2,4-Trimethylbenzene  
Concen: 4.621 ug/L  
RT: 11.468 min Scan# 3150  
Delta R.T. 0.000 min  
Lab File: VU051386.D  
Acq: 12 Oct 2022 12:20

Tgt Ion:105 Resp: 250397  
Ion Ratio Lower Upper  
105 100  
120 45.0 35.6 53.4

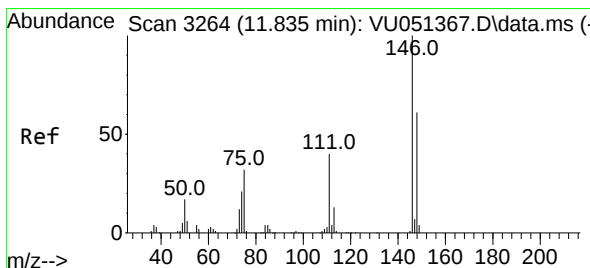
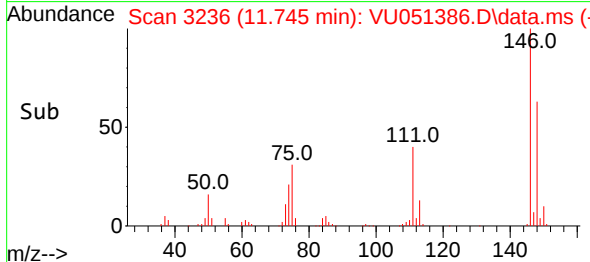
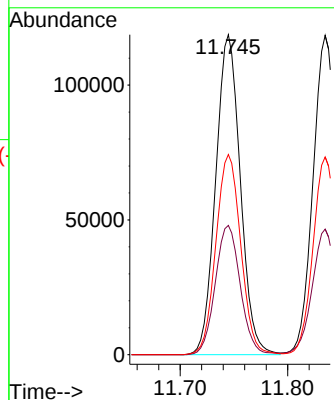
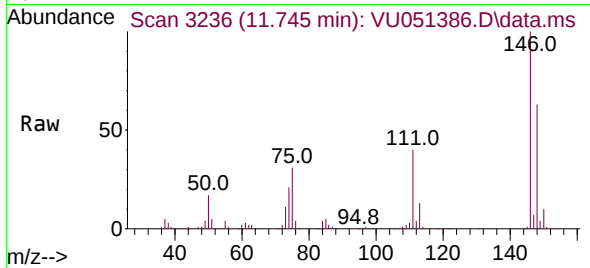




#64  
1,3-Dichlorobenzene  
Concen: 5.277 ug/L  
RT: 11.745 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VU051386.D  
Acq: 12 Oct 2022 12:20

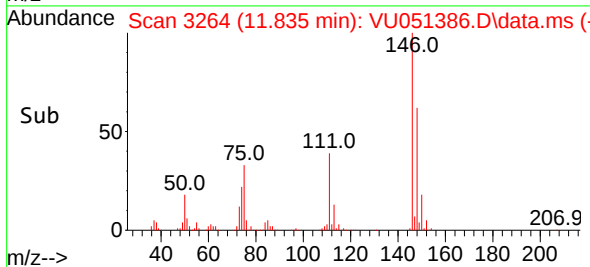
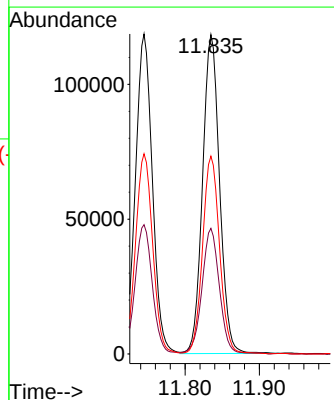
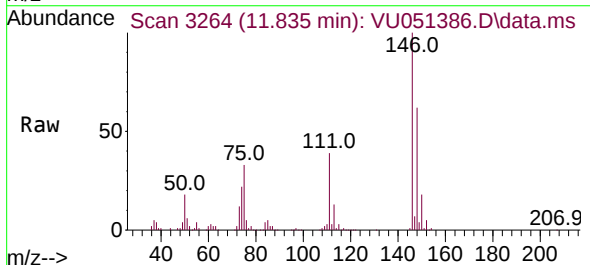
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005176

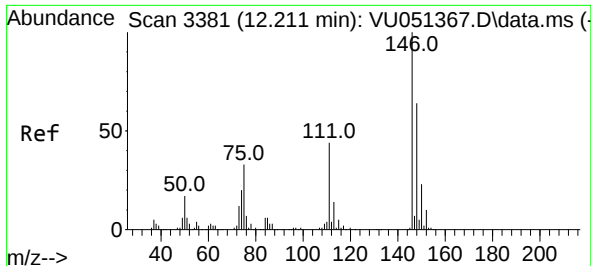
Tgt Ion:146 Resp: 188553  
Ion Ratio Lower Upper  
146 100  
111 40.4 28.3 52.7  
148 62.6 43.8 81.4



#65  
1,4-Dichlorobenzene  
Concen: 5.350 ug/L  
RT: 11.835 min Scan# 3264  
Delta R.T. 0.000 min  
Lab File: VU051386.D  
Acq: 12 Oct 2022 12:20

Tgt Ion:146 Resp: 188426  
Ion Ratio Lower Upper  
146 100  
111 39.3 29.1 54.1  
148 61.9 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 5.029 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.000 min

Lab File: VU051386.D

Acq: 12 Oct 2022 12:20

Instrument :

MSVOA\_U

ClientSampleId :

VSTD005176

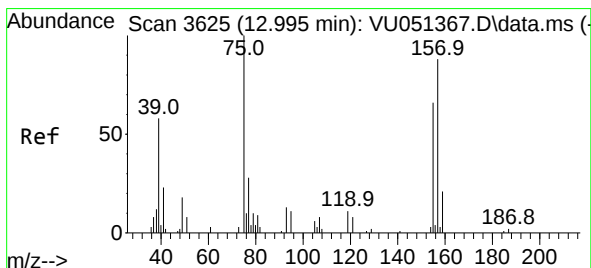
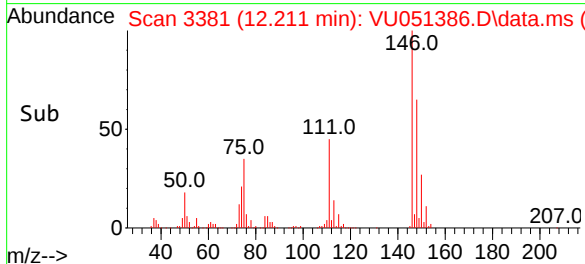
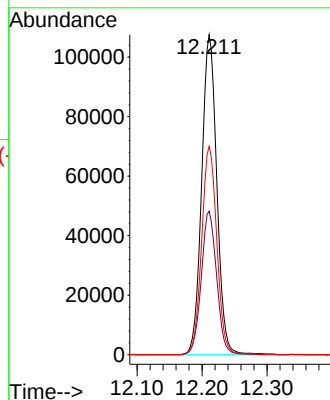
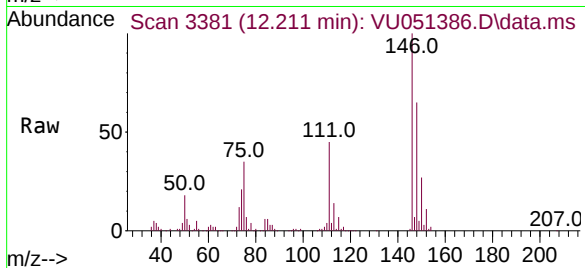
Tgt Ion:146 Resp: 174670

Ion Ratio Lower Upper

146 100

111 44.8 35.5 53.3

148 65.1 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 5.288 ug/L

RT: 12.995 min Scan# 3625

Delta R.T. 0.000 min

Lab File: VU051386.D

Acq: 12 Oct 2022 12:20

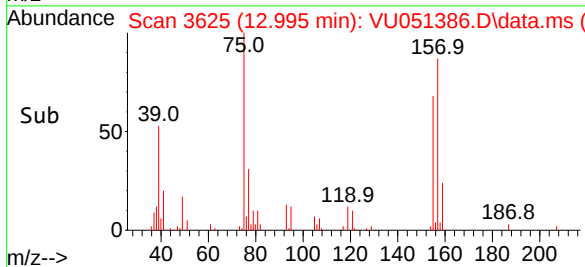
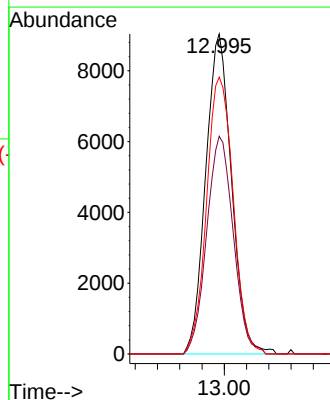
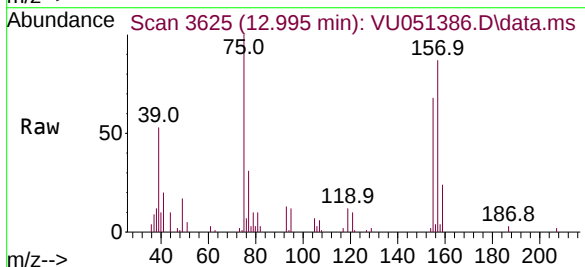
Tgt Ion: 75 Resp: 14566

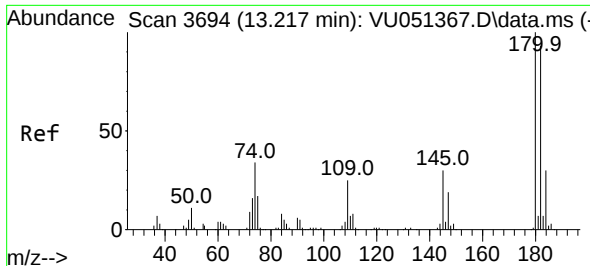
Ion Ratio Lower Upper

75 100

155 68.0 62.7 94.1

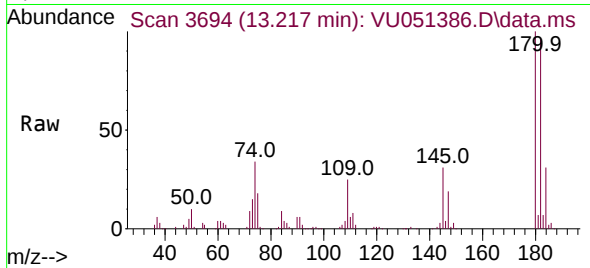
157 86.5 78.3 117.5



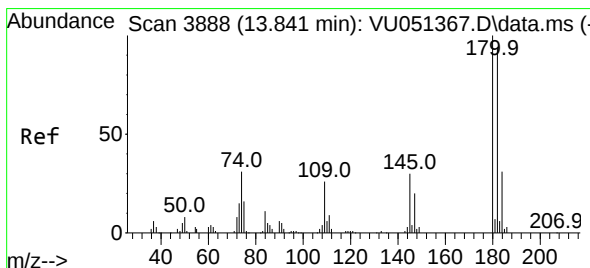
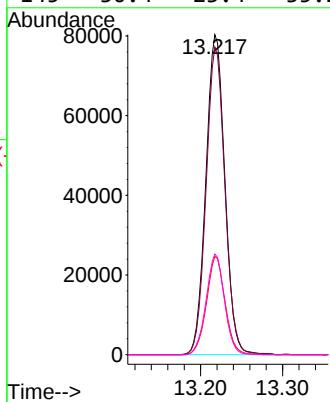
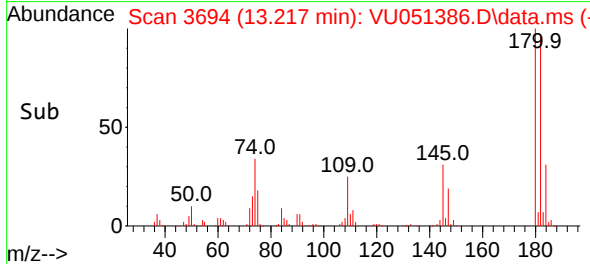


#69  
1,3,5-Trichlorobenzene  
Concen: 5.260 ug/L  
RT: 13.217 min Scan# 3694  
Delta R.T. 0.000 min  
Lab File: VU051386.D  
Acq: 12 Oct 2022 12:20

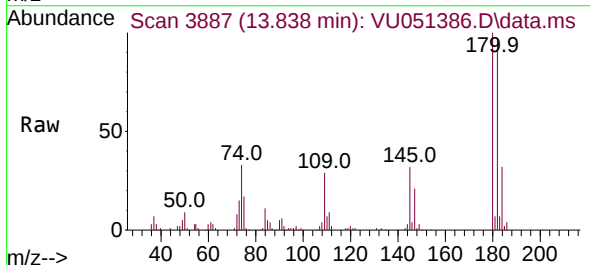
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005176



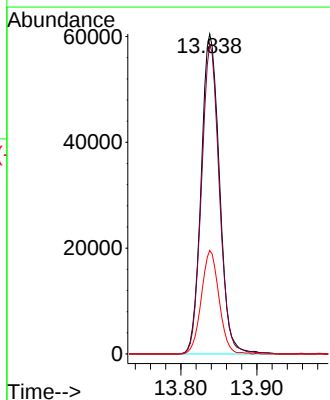
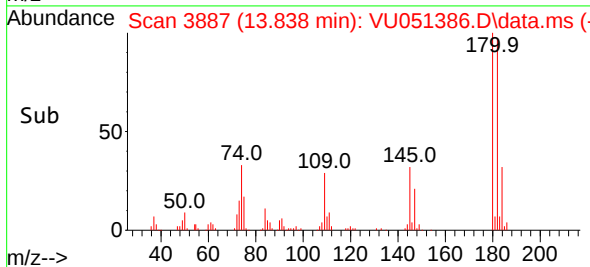
Tgt Ion:180 Resp: 129545  
Ion Ratio Lower Upper  
180 100  
182 95.1 77.7 116.5  
184 30.0 23.6 35.4  
145 30.4 23.4 35.2

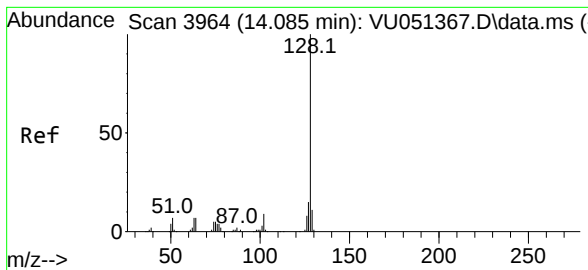


#70  
1,2,4-trichlorobenzene  
Concen: 5.764 ug/L  
RT: 13.838 min Scan# 3887  
Delta R.T. -0.003 min  
Lab File: VU051386.D  
Acq: 12 Oct 2022 12:20



Tgt Ion:180 Resp: 100899  
Ion Ratio Lower Upper  
180 100  
182 94.7 78.7 118.1  
145 31.3 25.0 37.4

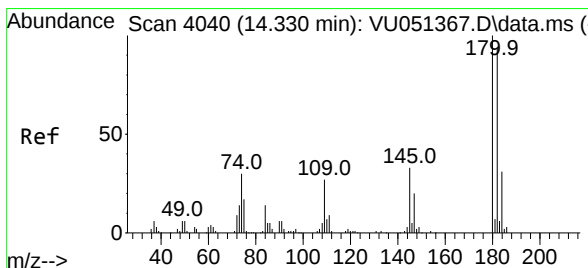
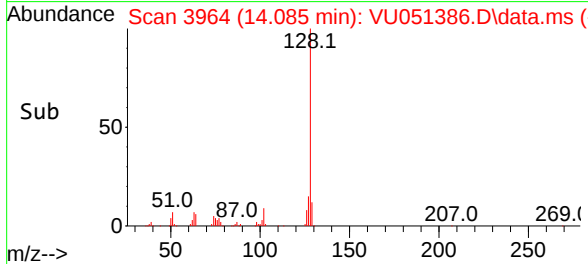
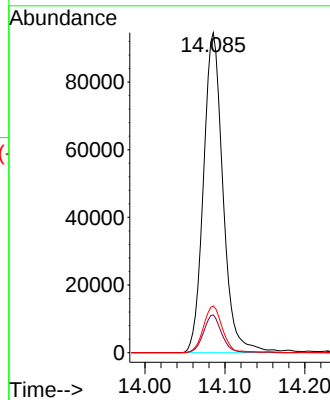
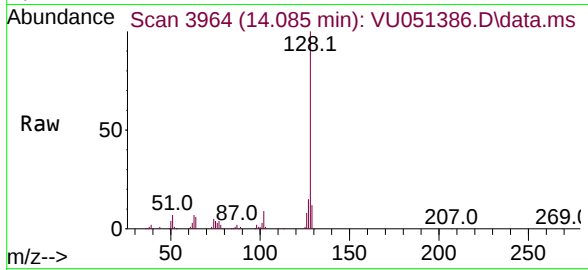




#71  
Naphthalene  
Concen: 4.949 ug/L  
RT: 14.085 min Scan# 3964  
Delta R.T. 0.000 min  
Lab File: VU051386.D  
Acq: 12 Oct 2022 12:20

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005176

Tgt Ion:128 Resp: 161018  
Ion Ratio Lower Upper  
128 100  
129 10.9 8.5 12.7  
127 14.2 11.1 16.7



#72  
1,2,3-Trichlorobenzene  
Concen: 5.461 ug/L  
RT: 14.327 min Scan# 4039  
Delta R.T. -0.003 min  
Lab File: VU051386.D  
Acq: 12 Oct 2022 12:20

Tgt Ion:180 Resp: 98889  
Ion Ratio Lower Upper  
180 100  
182 96.0 76.6 114.8  
145 32.1 25.8 38.8

