

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041124\  
 Data File : VU058597.D  
 Acq On : 11 Apr 2024 09:14  
 Operator : MD/SY  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005194

Quant Time: Apr 12 02:20:20 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR040424WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Apr 11 02:34:51 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 80668    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 78672    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 37460    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.592  | 65    | 23224    | 4.348    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 87.000%  |
| 7) Chloroethane-d5            | 1.907  | 69    | 20136    | 4.338    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 86.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 10589    | 4.380    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 87.600%  |
| 20) 2-Butanone-d5             | 4.631  | 46    | 47082    | 41.832   | ug/L   | 0.01     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 83.660%  |
| 24) Chloroform-d              | 5.055  | 84    | 48989    | 4.595    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 91.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 22527    | 4.528    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 90.600%  |
| 32) Benzene-d6                | 5.721  | 84    | 93679    | 4.423    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 88.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 29443    | 4.433    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 88.600%  |
| 41) Toluene-d8                | 7.891  | 98    | 83652    | 4.454    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 89.000%  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 8580     | 4.161    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 83.200%  |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 32608    | 38.343   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 76.680%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749 | 84    | 18314    | 3.906    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 78.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 25222    | 3.998    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 80.000%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.380  | 85    | 27670    | 4.115    | ug/L   | 99       |
| 3) Chloromethane              | 1.515  | 50    | 35752    | 4.345    | ug/L   | 99       |
| 5) Vinyl chloride             | 1.599  | 62    | 36372    | 4.426    | ug/L   | 98       |
| 6) Bromomethane               | 1.853  | 94    | 13108    | 3.371    | ug/L   | 98       |
| 8) Chloroethane               | 1.927  | 64    | 23442    | 4.515    | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 2.132  | 101   | 49300    | 4.543    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.576  | 101   | 28485    | 4.417    | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.573  | 96    | 26175    | 4.579    | ug/L   | 98       |
| 13) Acetone                   | 2.644  | 43    | 37977    | 39.534   | ug/L   | 98       |
| 14) Carbon disulfide          | 2.788  | 76    | 78051    | 4.298    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.952  | 43    | 10600    | 4.677    | ug/L   | 94       |
| 16) Methylene chloride        | 3.036  | 84    | 31561    | 4.160    | ug/L   | 99       |
| 17) Methyl tert-butyl Ether   | 3.351  | 73    | 60633    | 4.490    | ug/L   | 100      |
| 18) trans-1,2-Dichloroethene  | 3.348  | 96    | 27879    | 4.653    | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.859  | 63    | 62932    | 4.812    | ug/L   | 99       |
| 21) 2-Butanone                | 4.708  | 43    | 60706    | 42.280   | ug/L   | 99       |
| 22) cis-1,2-Dichloroethene    | 4.656  | 96    | 31366    | 4.662    | ug/L   | 95       |
| 23) Bromochloromethane        | 4.965  | 128   | 12148    | 4.582    | ug/L   | 94       |
| 25) Chloroform                | 5.078  | 83    | 60442    | 4.775    | ug/L   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041124\  
 Data File : VU058597.D  
 Acq On : 11 Apr 2024 09:14  
 Operator : MD/SY  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

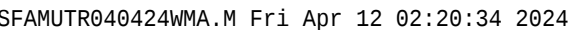
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005194

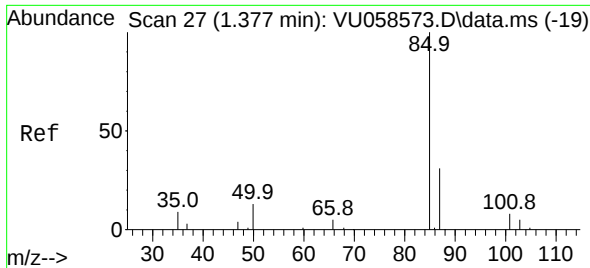
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR040424WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Apr 11 02:34:51 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.785  | 62   | 36823    | 4.777  | ug/L   | 96       |
| 29) 1,1,1-Trichloroethane     | 5.306  | 97   | 48680    | 4.615  | ug/L   | 98       |
| 30) Cyclohexane               | 5.380  | 56   | 48456    | 4.350  | ug/L   | 98       |
| 31) Carbon tetrachloride      | 5.515  | 117  | 41372    | 4.632  | ug/L   | 100      |
| 33) Benzene                   | 5.766  | 78   | 129871   | 4.554  | ug/L   | 100      |
| 34) Trichloroethene           | 6.537  | 95   | 31934    | 4.442  | ug/L   | 99       |
| 35) Methylcyclohexane         | 6.756  | 83   | 46121    | 4.258  | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 6.782  | 63   | 36097    | 4.811  | ug/L   | 100      |
| 38) Bromodichloromethane      | 7.100  | 83   | 40855    | 4.770  | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 7.602  | 75   | 40936    | 4.291  | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 7.785  | 43   | 162188   | 45.924 | ug/L   | 98       |
| 42) Toluene                   | 7.962  | 91   | 135975   | 4.546  | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 8.206  | 75   | 33286    | 4.424  | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 8.393  | 97   | 20946    | 4.780  | ug/L   | 97       |
| 47) Tetrachloroethene         | 8.547  | 164  | 22284    | 4.229  | ug/L   | 96       |
| 48) 2-Hexanone                | 8.679  | 43   | 113124   | 45.120 | ug/L   | 97       |
| 49) Dibromochloromethane      | 8.801  | 129  | 23194    | 4.578  | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 8.917  | 107  | 17780    | 4.437  | ug/L   | 97       |
| 51) Chlorobenzene             | 9.441  | 112  | 80754    | 4.462  | ug/L   | 98       |
| 52) Ethylbenzene              | 9.563  | 91   | 142741   | 4.504  | ug/L   | 100      |
| 53) m,p-Xylene                | 9.688  | 106  | 51511    | 4.539  | ug/L   | 99       |
| 54) o-Xylene                  | 10.094 | 106  | 50923    | 4.577  | ug/L   | 99       |
| 55) Styrene                   | 10.110 | 104  | 82567    | 4.613  | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 24895    | 4.606  | ug/L   | 100      |
| 59) Bromoform                 | 10.286 | 173  | 11676    | 4.665  | ug/L   | 95       |
| 60) Isopropylbenzene          | 10.479 | 105  | 130808   | 4.770  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.817 | 75   | 17900    | 4.683  | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 102949   | 4.603  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 105336   | 4.613  | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 11.740 | 146  | 59823    | 4.491  | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 11.830 | 146  | 57698    | 4.446  | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 12.206 | 146  | 53715    | 4.433  | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.990 | 75   | 3178     | 4.903  | ug/L # | 84       |
| 69) 1,3,5-Trichlorobenzene    | 13.212 | 180  | 41599    | 4.223  | ug/L   | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.836 | 180  | 28053    | 3.693  | ug/L   | 95       |
| 71) Naphthalene               | 14.084 | 128  | 32413    | 3.114  | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 23666    | 3.773  | ug/L   | 99       |

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

Quant Time: Apr 12 02:20:20 2024  
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QLast Update : Thu Apr 11 02:34:51 2024  
Response via : Initial Calibration

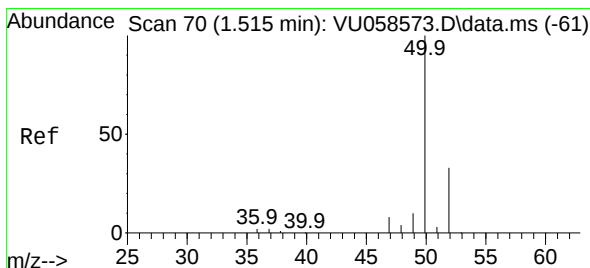
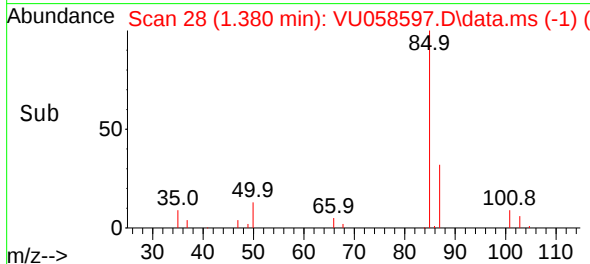
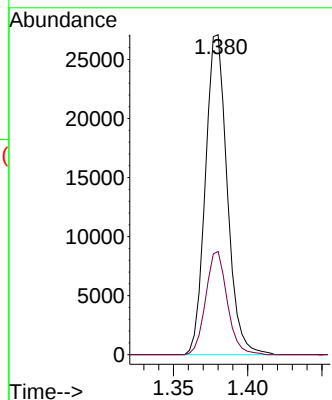
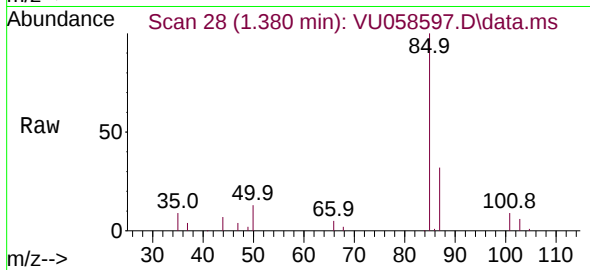




#2  
 Dichlorodifluoromethane  
 Concen: 4.115 ug/L  
 RT: 1.380 min Scan# 21  
 Delta R.T. 0.003 min  
 Lab File: VU058597.D  
 Acq: 11 Apr 2024 09:14

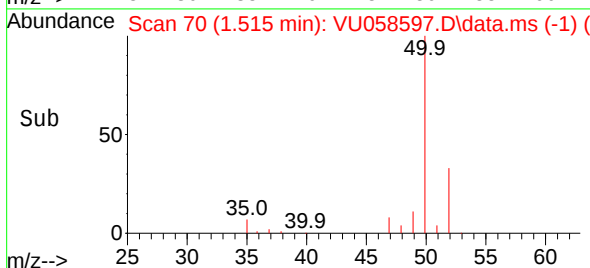
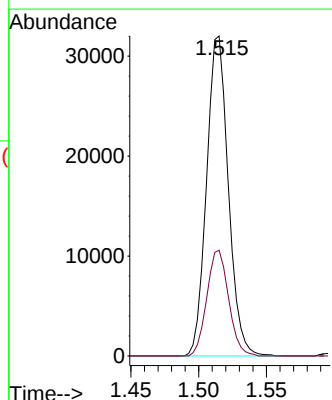
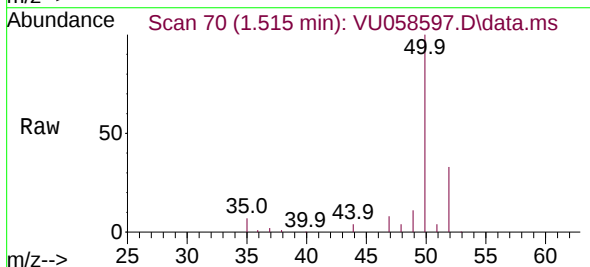
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005194

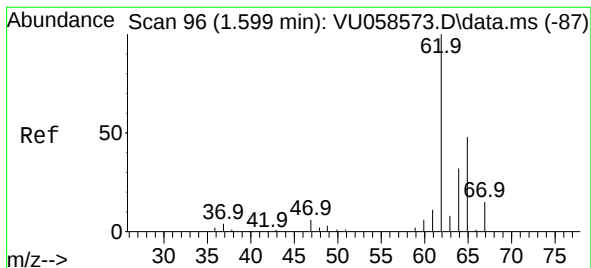
Tgt Ion: 85 Resp: 27670  
 Ion Ratio Lower Upper  
 85 100  
 87 31.8 25.9 38.9



#3  
 Chloromethane  
 Concen: 4.345 ug/L  
 RT: 1.515 min Scan# 70  
 Delta R.T. -0.000 min  
 Lab File: VU058597.D  
 Acq: 11 Apr 2024 09:14

Tgt Ion: 50 Resp: 35752  
 Ion Ratio Lower Upper  
 50 100  
 52 33.1 22.6 42.0





#5

Vinyl chloride

Concen: 4.426 ug/L

RT: 1.599 min Scan# 90

Delta R.T. -0.000 min

Lab File: VU058597.D

Acq: 11 Apr 2024 09:14

Instrument :

MSVOA\_U

ClientSampleId :

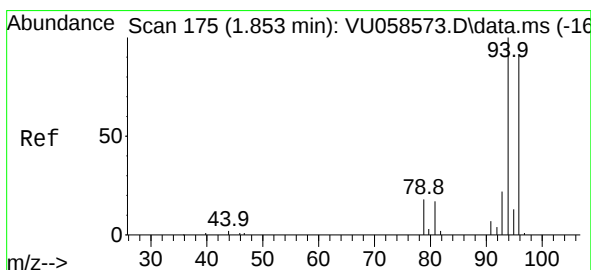
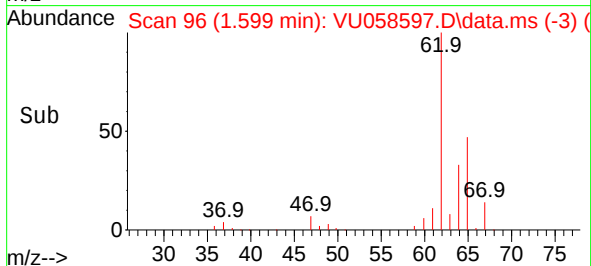
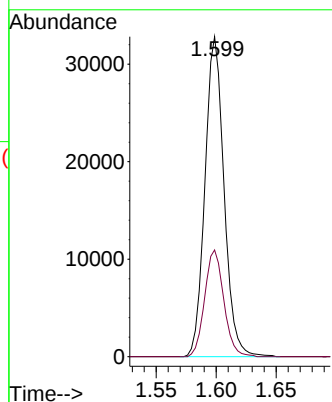
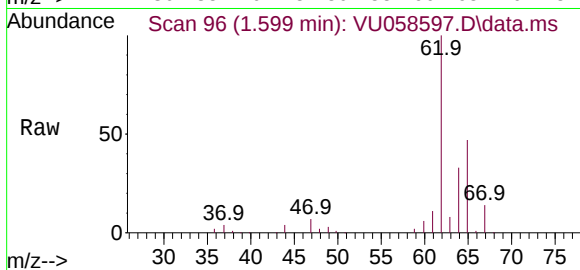
VSTD005194

Tgt Ion: 62 Resp: 36372

Ion Ratio Lower Upper

62 100

64 33.4 22.6 42.0



#6

Bromomethane

Concen: 3.371 ug/L

RT: 1.853 min Scan# 175

Delta R.T. -0.000 min

Lab File: VU058597.D

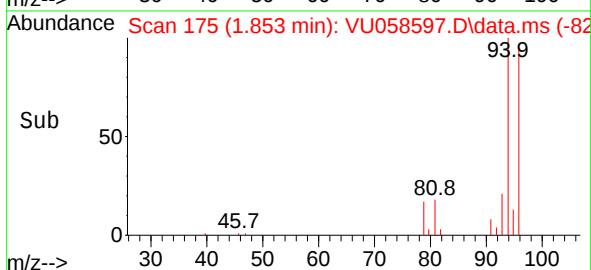
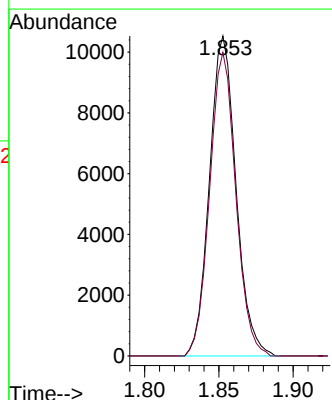
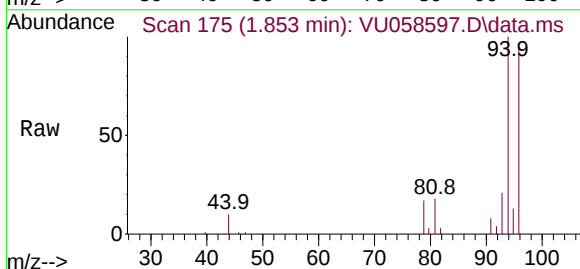
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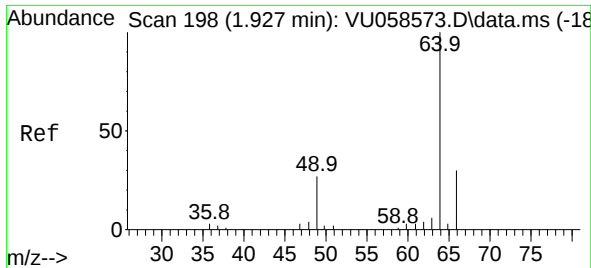
Tgt Ion: 94 Resp: 13108

Ion Ratio Lower Upper

94 100

96 94.8 65.4 121.4

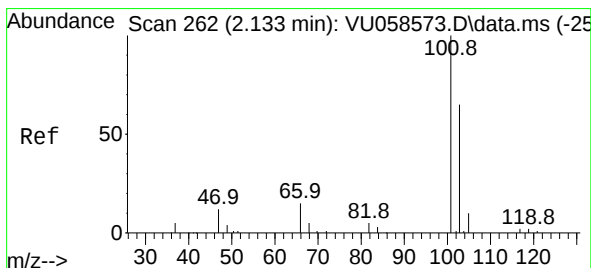
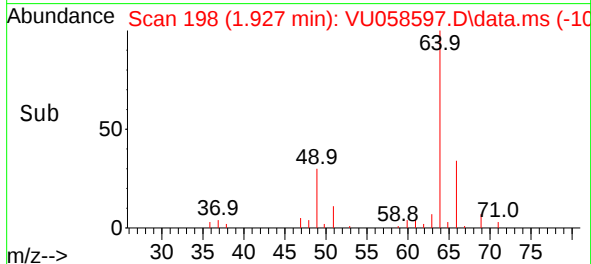
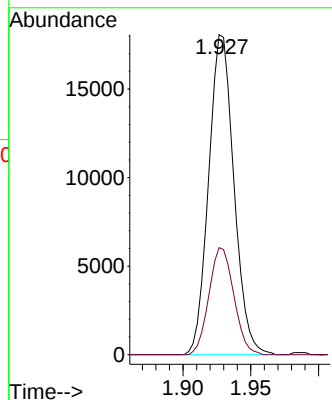
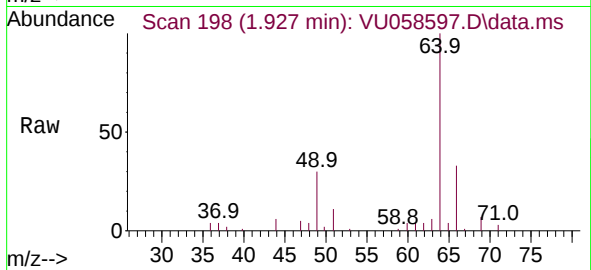




#8  
Chloroethane  
Concen: 4.515 ug/L  
RT: 1.927 min Scan# 198  
Delta R.T. -0.000 min  
Lab File: VU058597.D  
Acq: 11 Apr 2024 09:14

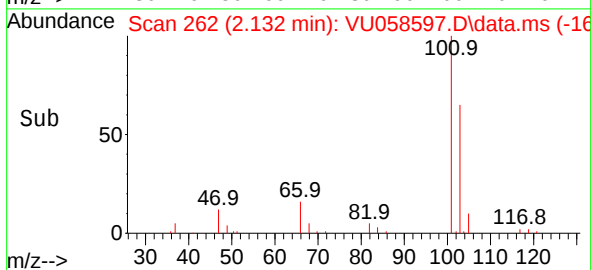
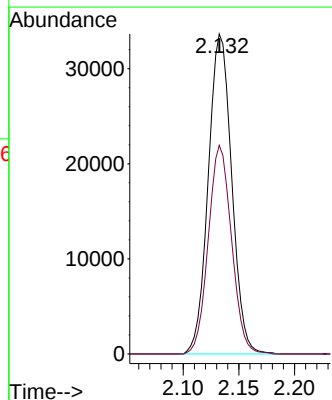
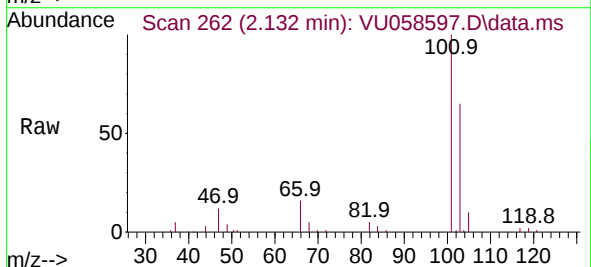
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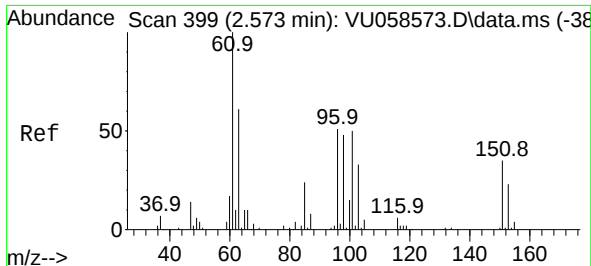
Tgt Ion: 64 Resp: 23442  
Ion Ratio Lower Upper  
64 100  
66 33.4 22.5 41.9



#9  
Trichlorofluoromethane  
Concen: 4.543 ug/L  
RT: 2.132 min Scan# 262  
Delta R.T. -0.000 min  
Lab File: VU058597.D  
Acq: 11 Apr 2024 09:14

Tgt Ion:101 Resp: 49300  
Ion Ratio Lower Upper  
101 100  
103 64.6 51.2 76.8

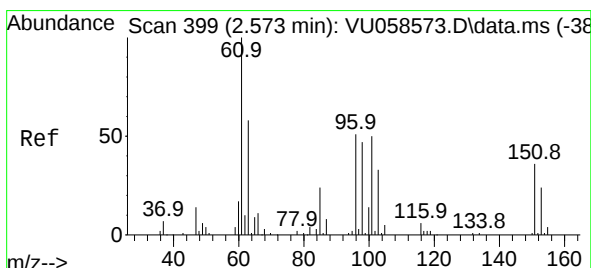
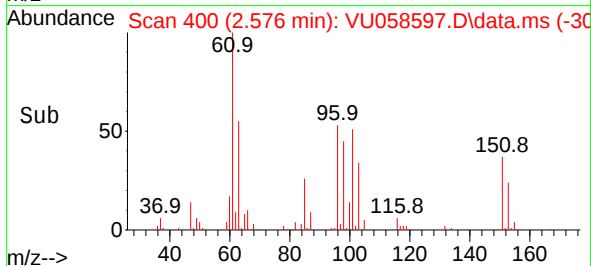
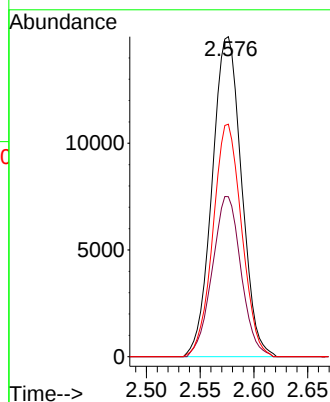
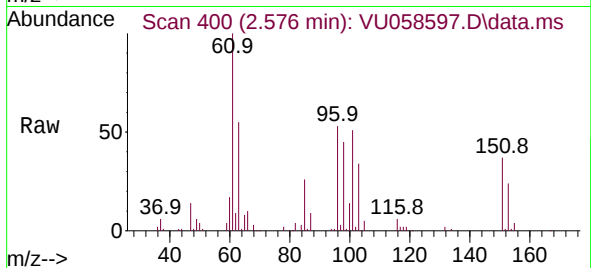




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 4.417 ug/L  
RT: 2.576 min Scan# 400  
Delta R.T. 0.003 min  
Lab File: VU058597.D  
Acq: 11 Apr 2024 09:14

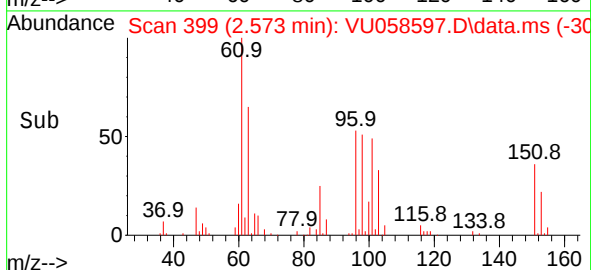
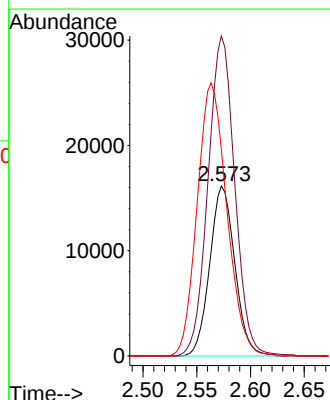
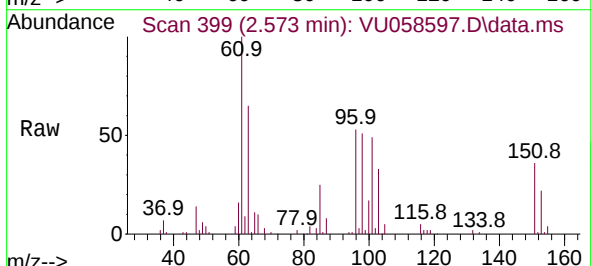
Instrument :  
MSVOA\_U  
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VSTD005194

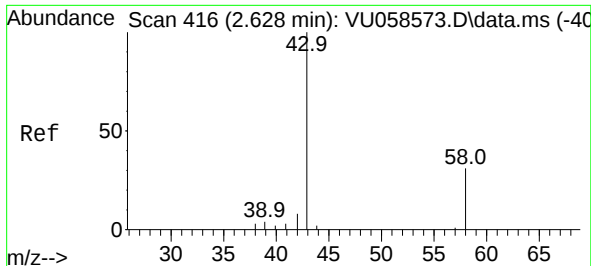
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Ion Ratio Lower Upper  
101 100  
85 49.1 36.8 55.2  
151 71.0 58.2 87.4



#12  
1,1-Dichloroethene  
Concen: 4.579 ug/L  
RT: 2.573 min Scan# 399  
Delta R.T. -0.000 min  
Lab File: VU058597.D  
Acq: 11 Apr 2024 09:14

Tgt Ion: 96 Resp: 26175  
Ion Ratio Lower Upper  
96 100  
61 188.3 132.5 246.1  
63 121.8 87.7 162.9





#13

Acetone

Concen: 39.534 ug/L

RT: 2.644 min Scan# 41

Delta R.T. 0.016 min

Lab File: VU058597.D

Acq: 11 Apr 2024 09:14

Instrument :

MSVOA\_U

ClientSampleId :

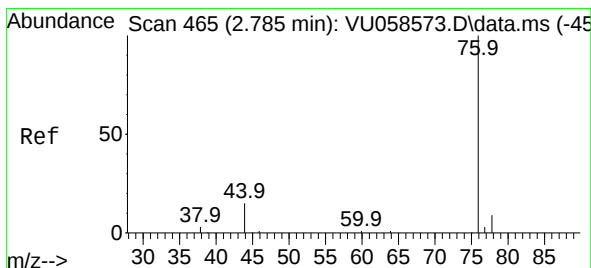
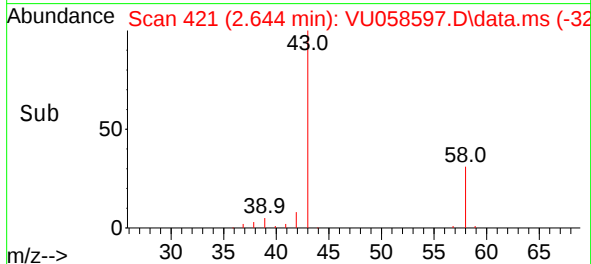
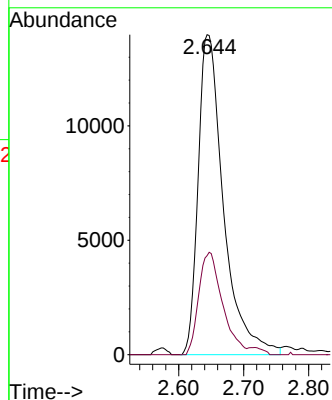
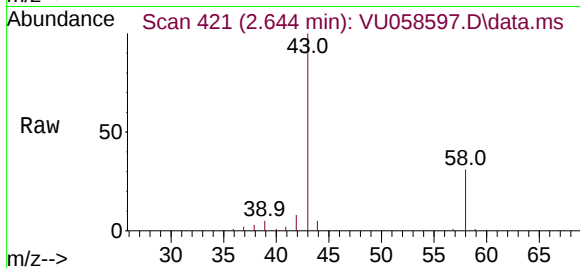
VSTD005194

Tgt Ion: 43 Resp: 37977

Ion Ratio Lower Upper

43 100

58 29.8 0.0 61.4



#14

Carbon disulfide

Concen: 4.298 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.003 min

Lab File: VU058597.D

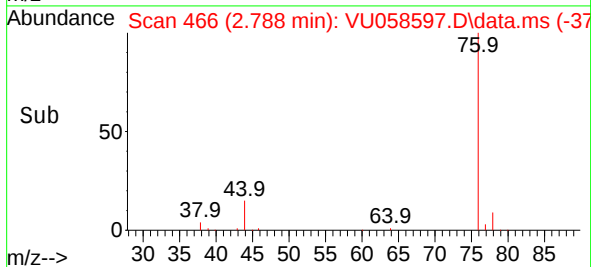
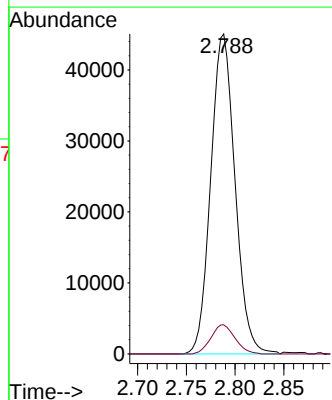
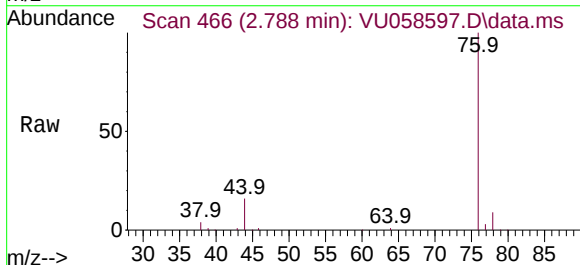
Acq: 11 Apr 2024 09:14

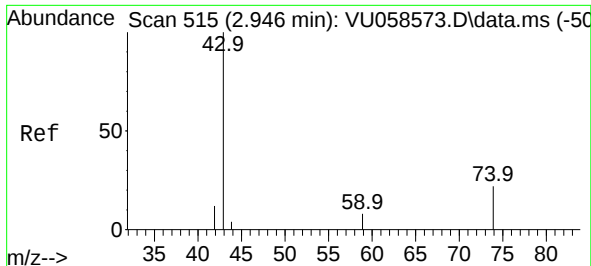
Tgt Ion: 76 Resp: 78051

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3





#15

Methyl Acetate

Concen: 4.677 ug/L

RT: 2.952 min Scan# 515

Delta R.T. 0.006 min

Lab File: VU058597.D

Acq: 11 Apr 2024 09:14

Instrument :

MSVOA\_U

ClientSampleId :

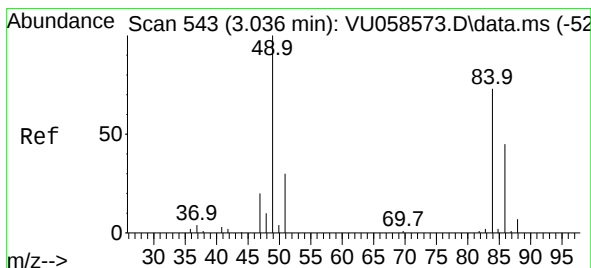
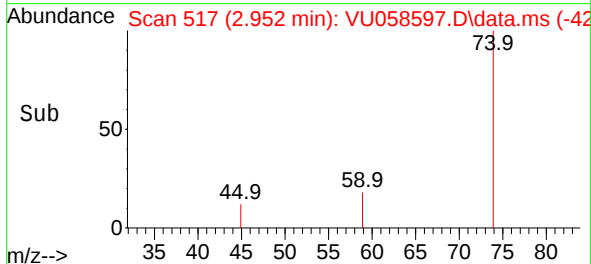
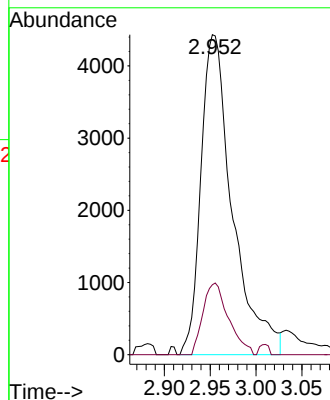
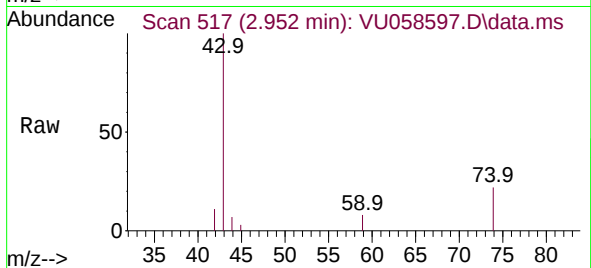
VSTD005194

Tgt Ion: 43 Resp: 10600

Ion Ratio Lower Upper

43 100

74 18.2 16.6 25.0



#16

Methylene chloride

Concen: 4.160 ug/L

RT: 3.036 min Scan# 543

Delta R.T. -0.000 min

Lab File: VU058597.D

Acq: 11 Apr 2024 09:14

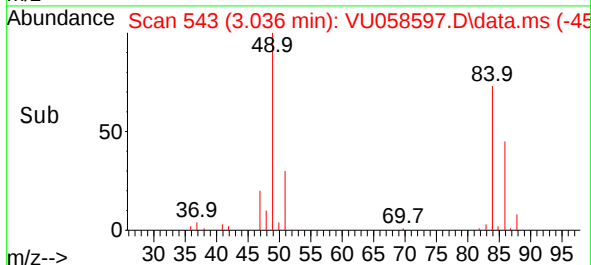
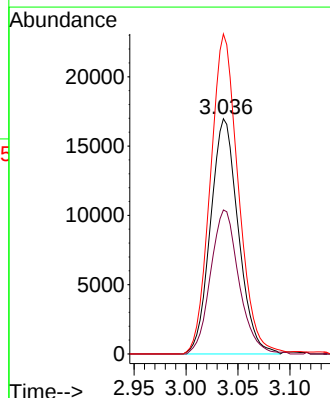
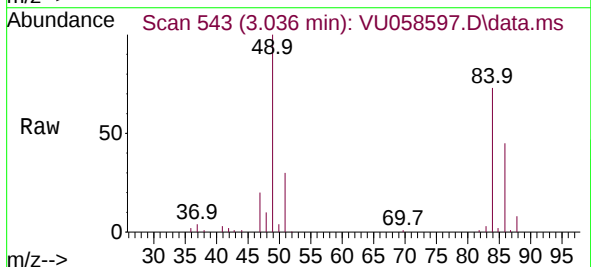
Tgt Ion: 84 Resp: 31561

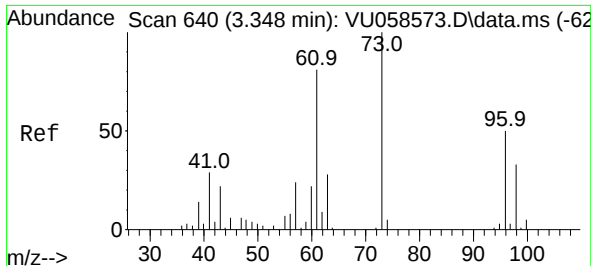
Ion Ratio Lower Upper

84 100

86 61.2 44.3 82.3

49 136.1 96.0 178.2





#17

Methyl tert-butyl Ether

Concen: 4.490 ug/L

RT: 3.351 min Scan# 641

Delta R.T. 0.003 min

Lab File: VU058597.D

Acq: 11 Apr 2024 09:14

Instrument :

MSVOA\_U

ClientSampleId :

VSTD005194

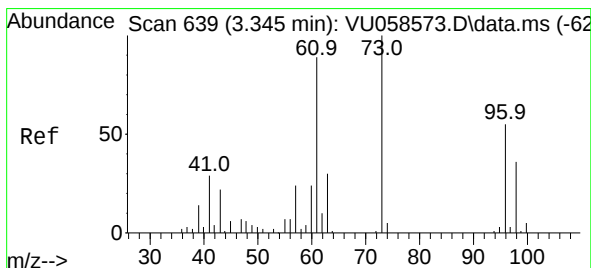
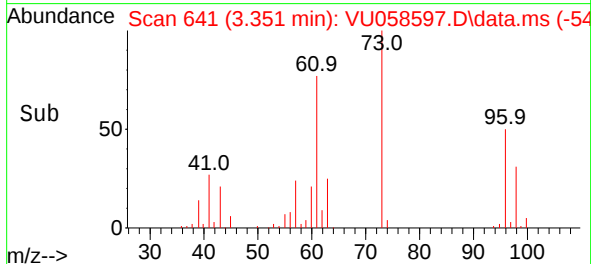
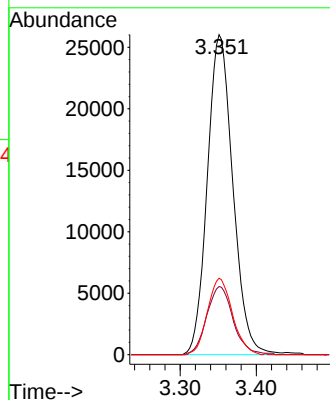
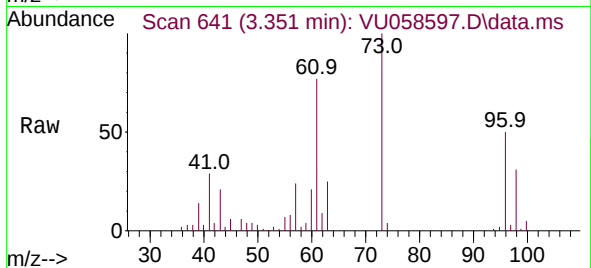
Tgt Ion: 73 Resp: 60633

Ion Ratio Lower Upper

73 100

43 22.1 17.4 26.2

57 23.3 18.6 27.8



#18

trans-1,2-Dichloroethene

Concen: 4.653 ug/L

RT: 3.348 min Scan# 640

Delta R.T. 0.003 min

Lab File: VU058597.D

Acq: 11 Apr 2024 09:14

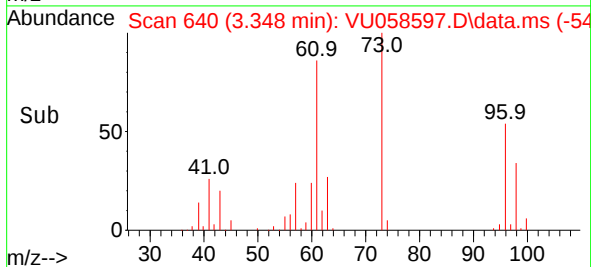
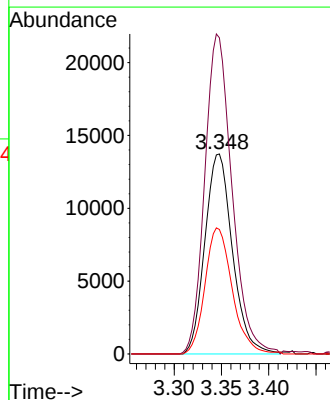
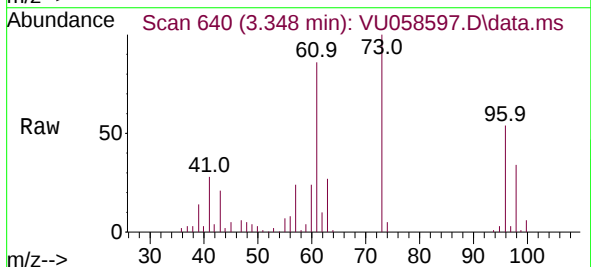
Tgt Ion: 96 Resp: 27879

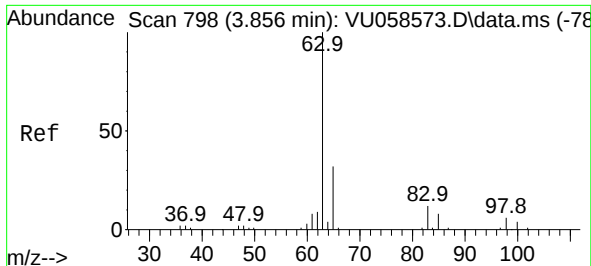
Ion Ratio Lower Upper

96 100

61 158.1 107.6 199.8

98 62.3 45.1 83.7

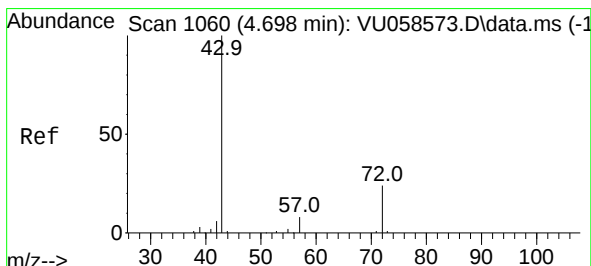
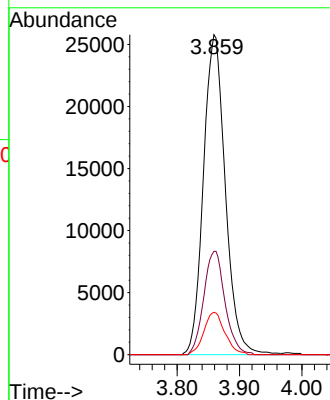
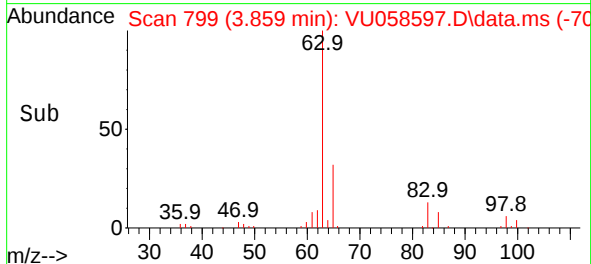
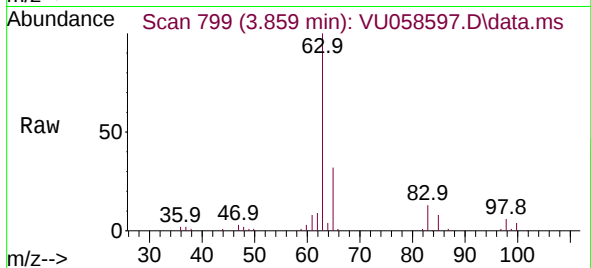




#19  
1,1-Dichloroethane  
Concen: 4.812 ug/L  
RT: 3.859 min Scan# 70  
Delta R.T. 0.003 min  
Lab File: VU058597.D  
Acq: 11 Apr 2024 09:14

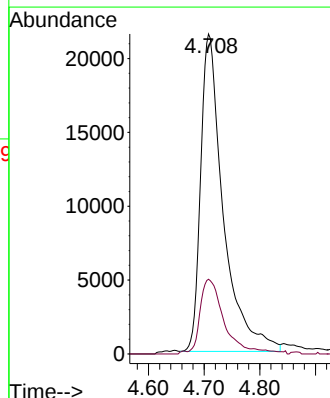
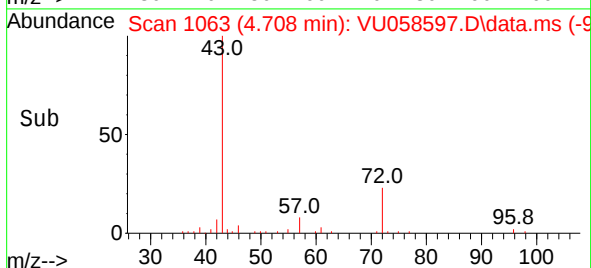
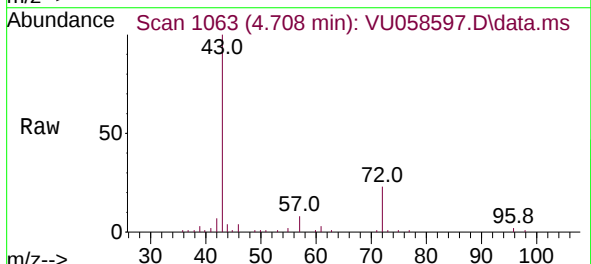
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005194

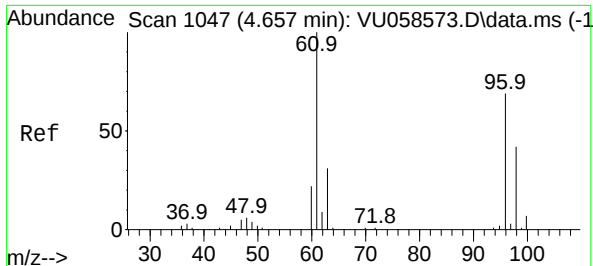
Tgt Ion: 63 Resp: 62932  
Ion Ratio Lower Upper  
63 100  
65 33.0 22.9 42.5  
83 13.3 9.6 17.8



#21  
2-Butanone  
Concen: 42.280 ug/L  
RT: 4.708 min Scan# 1063  
Delta R.T. 0.010 min  
Lab File: VU058597.D  
Acq: 11 Apr 2024 09:14

Tgt Ion: 43 Resp: 60706  
Ion Ratio Lower Upper  
43 100  
72 23.7 11.7 35.0

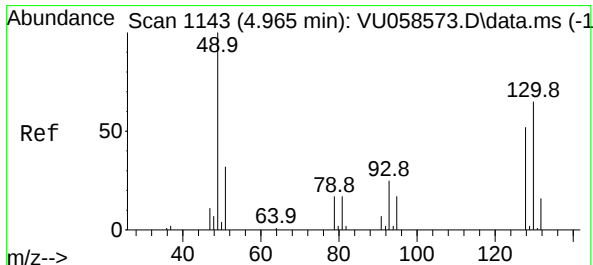
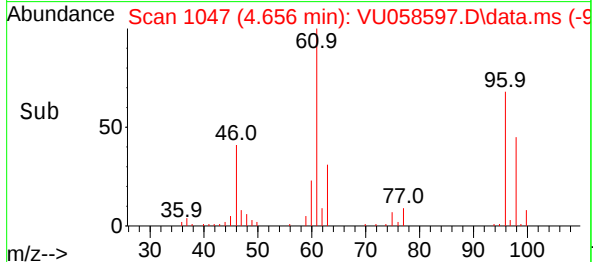
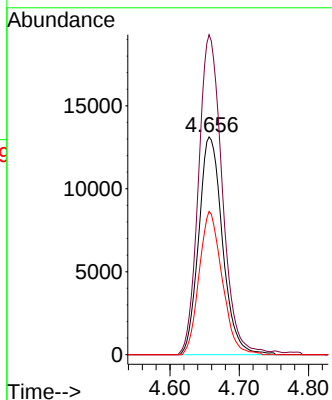
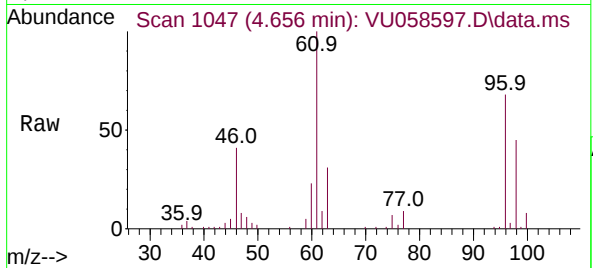




#22  
 cis-1,2-Dichloroethene  
 Concen: 4.662 ug/L  
 RT: 4.656 min Scan# 1047  
 Delta R.T. -0.000 min  
 Lab File: VU058597.D  
 Acq: 11 Apr 2024 09:14

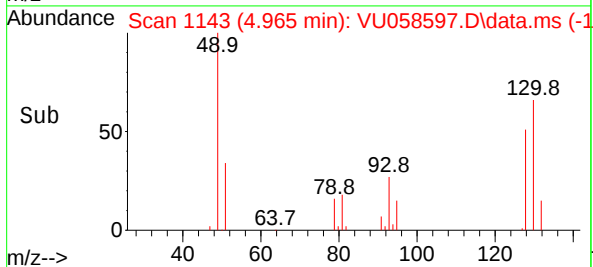
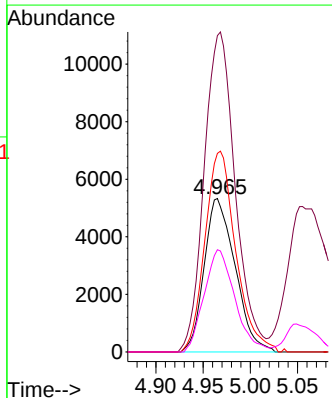
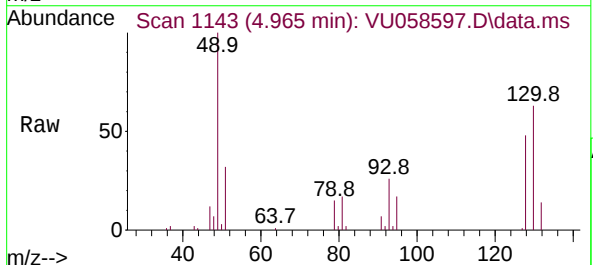
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005194

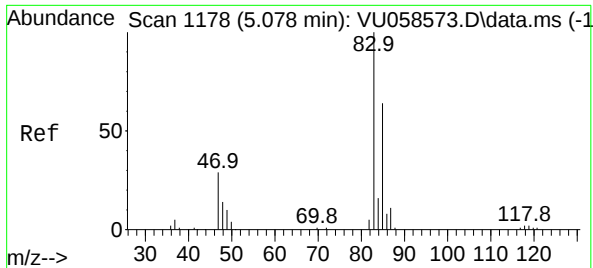
Tgt Ion: 96 Resp: 31366  
 Ion Ratio Lower Upper  
 96 100  
 61 147.0 98.1 182.3  
 98 65.8 43.6 81.0



#23  
 Bromochloromethane  
 Concen: 4.582 ug/L  
 RT: 4.965 min Scan# 1143  
 Delta R.T. -0.000 min  
 Lab File: VU058597.D  
 Acq: 11 Apr 2024 09:14

Tgt Ion: 128 Resp: 12148  
 Ion Ratio Lower Upper  
 128 100  
 49 206.2 134.4 249.6  
 130 129.4 90.0 167.2  
 51 66.6 51.0 76.6

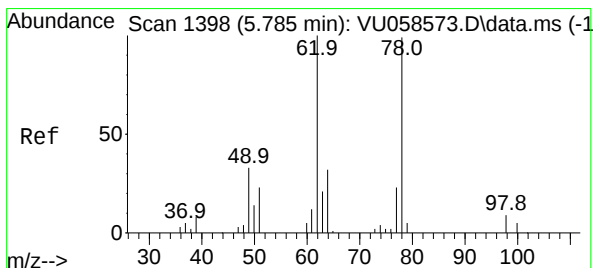
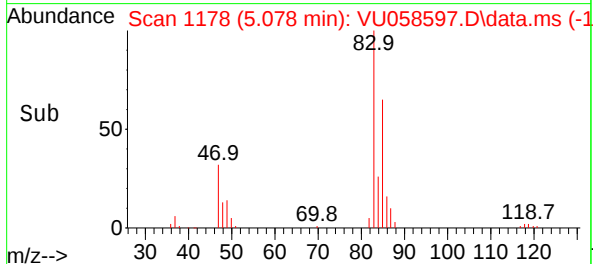
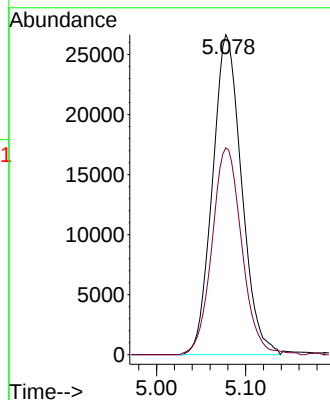
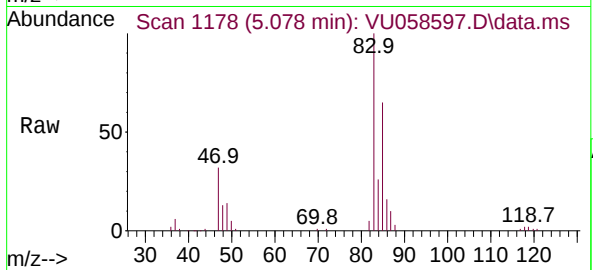




#25  
Chloroform  
Concen: 4.775 ug/L  
RT: 5.078 min Scan# 1178  
Delta R.T. -0.000 min  
Lab File: VU058597.D  
Acq: 11 Apr 2024 09:14

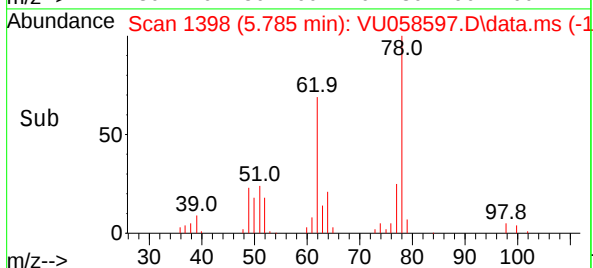
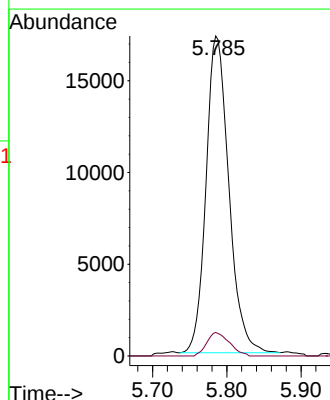
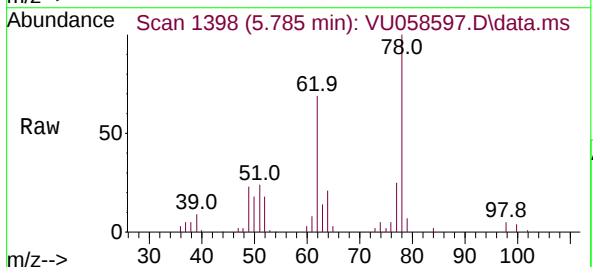
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005194

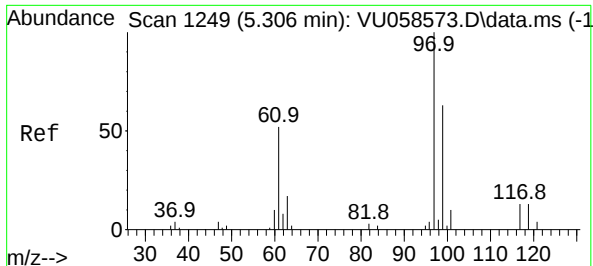
Tgt Ion: 83 Resp: 60442  
Ion Ratio Lower Upper  
83 100  
85 64.6 44.7 83.1



#27  
1,2-Dichloroethane  
Concen: 4.777 ug/L  
RT: 5.785 min Scan# 1398  
Delta R.T. -0.000 min  
Lab File: VU058597.D  
Acq: 11 Apr 2024 09:14

Tgt Ion: 62 Resp: 36823  
Ion Ratio Lower Upper  
62 100  
98 7.3 7.0 10.4

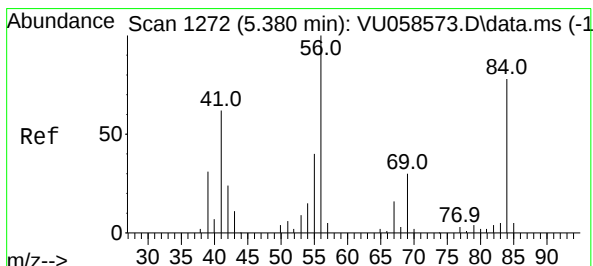
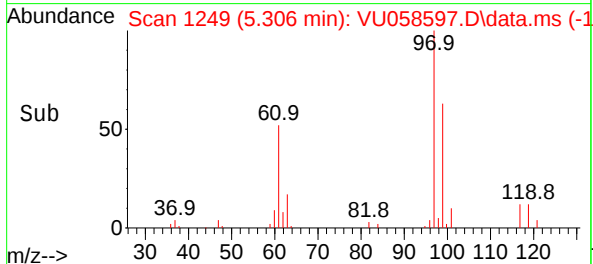
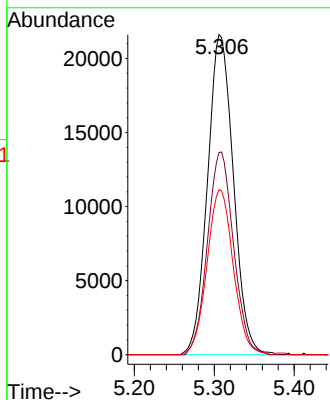
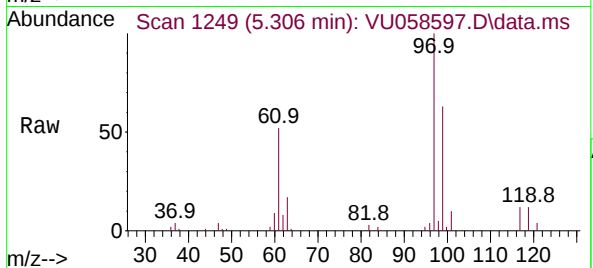




#29  
1,1,1-Trichloroethane  
Concen: 4.615 ug/L  
RT: 5.306 min Scan# 1249  
Delta R.T. -0.000 min  
Lab File: VU058597.D  
Acq: 11 Apr 2024 09:14

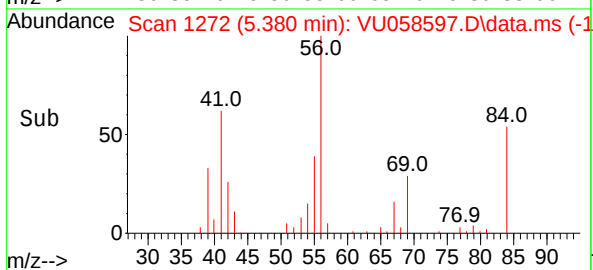
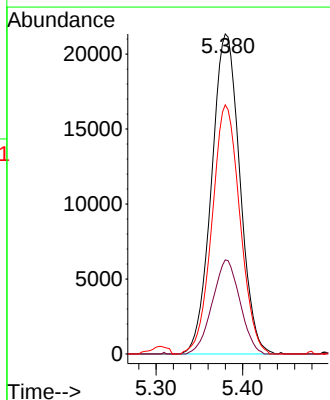
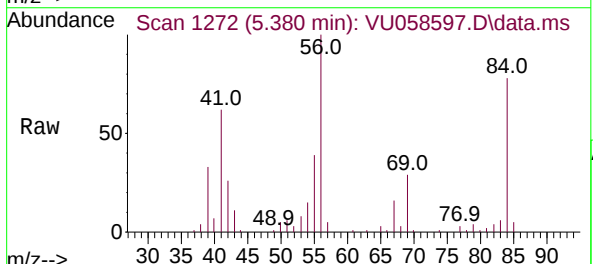
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005194

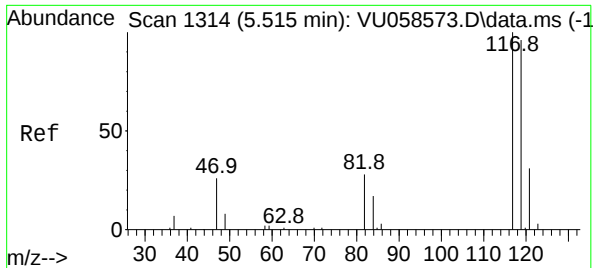
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 48680 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 63.6  | 50.4  | 75.6  |
| 61       | 52.2  | 39.4  | 59.0  |



#30  
Cyclohexane  
Concen: 4.350 ug/L  
RT: 5.380 min Scan# 1272  
Delta R.T. -0.000 min  
Lab File: VU058597.D  
Acq: 11 Apr 2024 09:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 48456 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 28.6  | 23.2  | 34.8  |
| 84       | 76.7  | 63.3  | 94.9  |

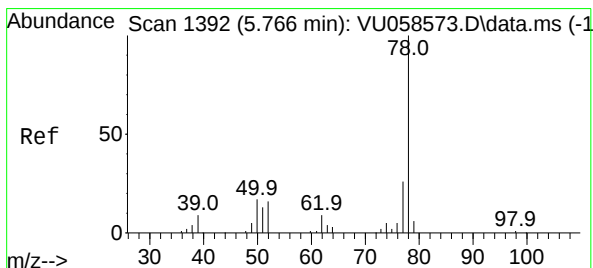
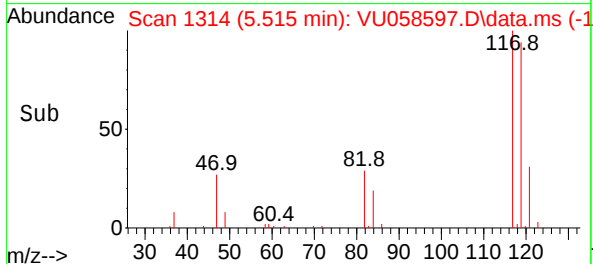
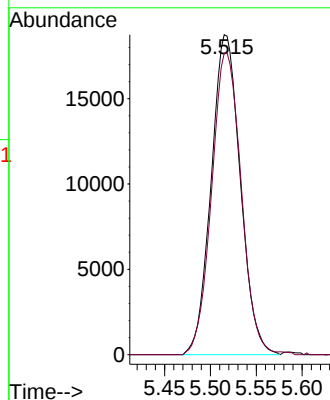
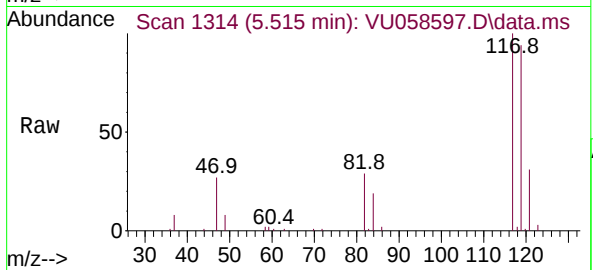




#31  
Carbon tetrachloride  
Concen: 4.632 ug/L  
RT: 5.515 min Scan# 1314  
Delta R.T. -0.000 min  
Lab File: VU058597.D  
Acq: 11 Apr 2024 09:14

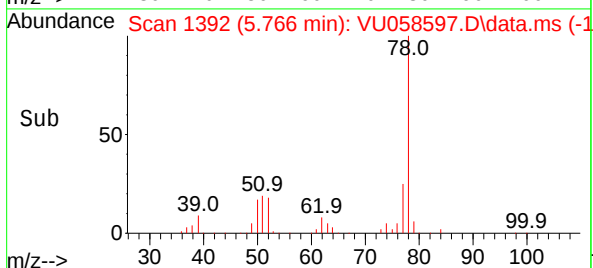
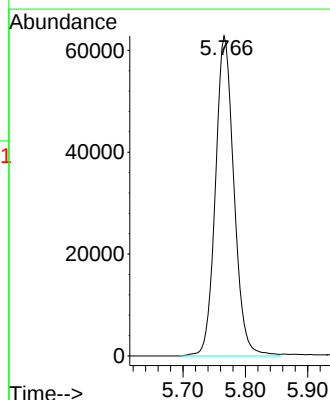
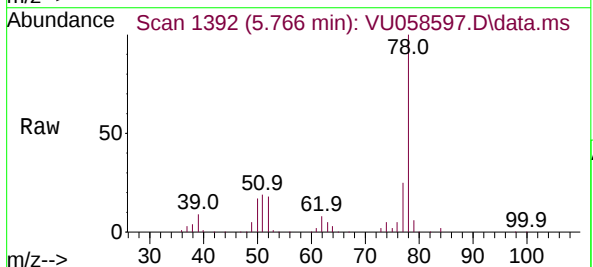
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005194

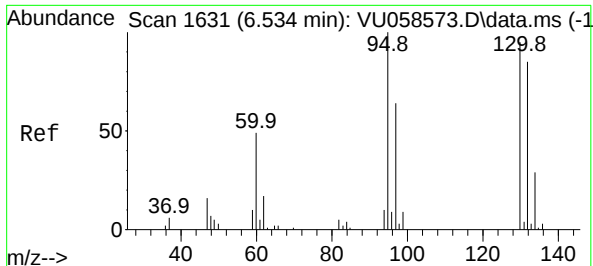
Tgt Ion:117 Resp: 41372  
Ion Ratio Lower Upper  
117 100  
119 96.0 76.7 115.1



#33  
Benzene  
Concen: 4.554 ug/L  
RT: 5.766 min Scan# 1392  
Delta R.T. -0.000 min  
Lab File: VU058597.D  
Acq: 11 Apr 2024 09:14

Tgt Ion: 78 Resp: 129871

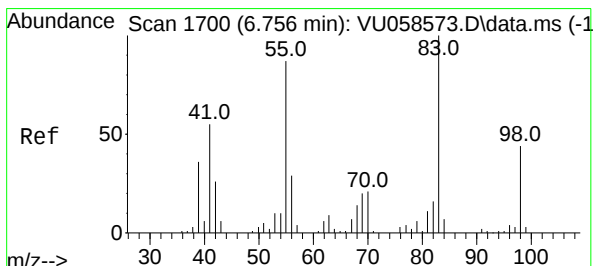
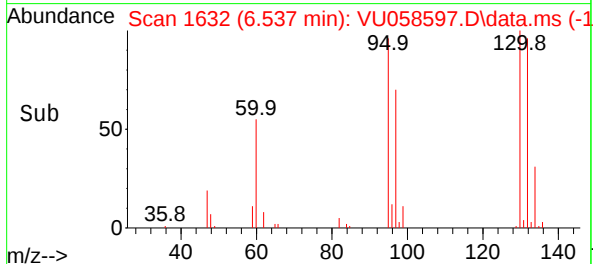
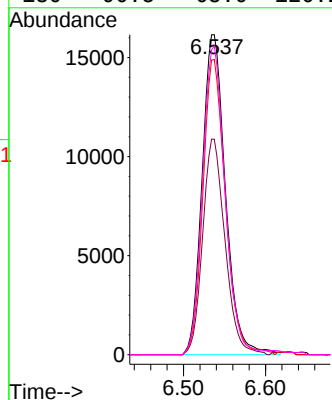
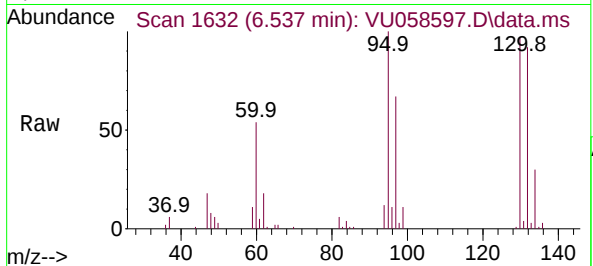




#34  
Trichloroethene  
Concen: 4.442 ug/L  
RT: 6.537 min Scan# 1  
Delta R.T. 0.003 min  
Lab File: VU058597.D  
Acq: 11 Apr 2024 09:14

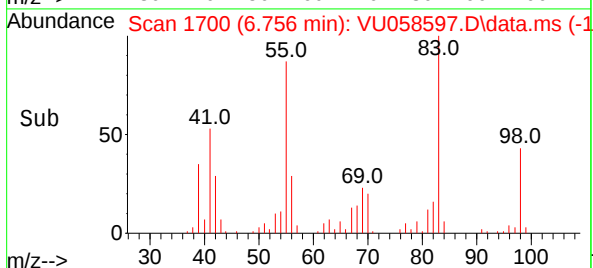
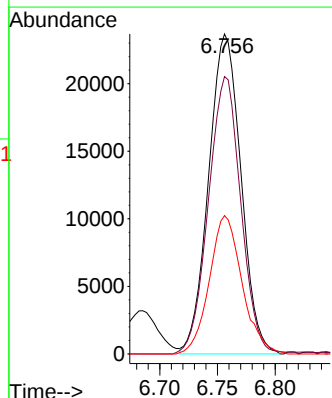
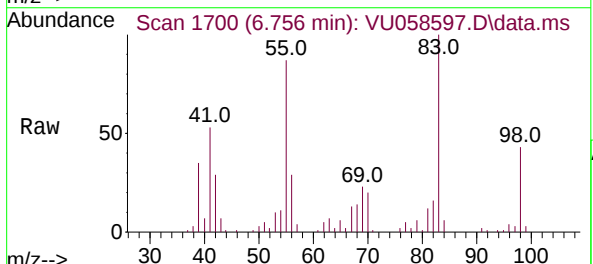
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005194

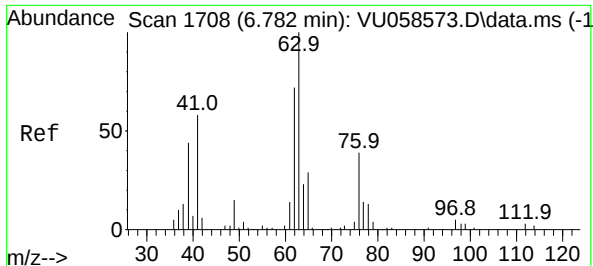
Tgt Ion: 95 Resp: 31934  
Ion Ratio Lower Upper  
95 100  
97 67.4 45.6 84.6  
132 92.2 64.8 120.3  
130 96.5 68.0 126.2



#35  
Methylcyclohexane  
Concen: 4.258 ug/L  
RT: 6.756 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VU058597.D  
Acq: 11 Apr 2024 09:14

Tgt Ion: 83 Resp: 46121  
Ion Ratio Lower Upper  
83 100  
55 86.7 66.2 99.4  
98 43.7 34.6 52.0

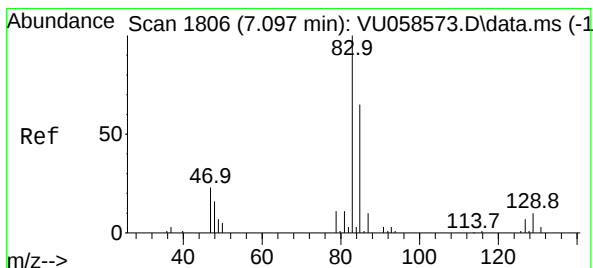
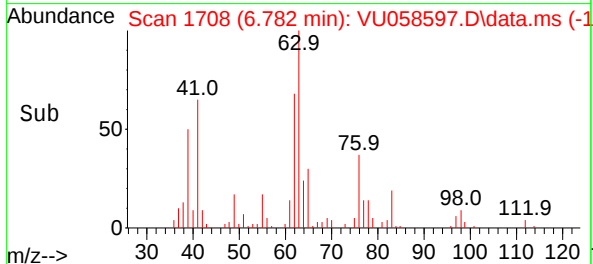
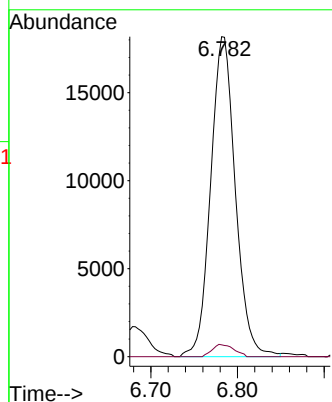
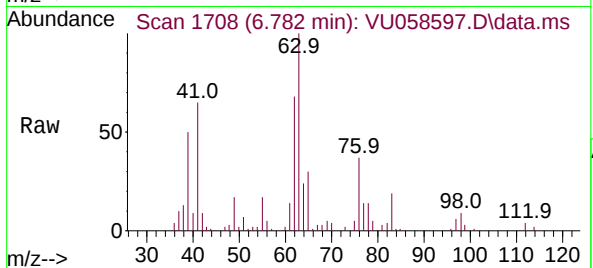




#37  
1,2-Dichloropropane  
Concen: 4.811 ug/L  
RT: 6.782 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU058597.D  
Acq: 11 Apr 2024 09:14

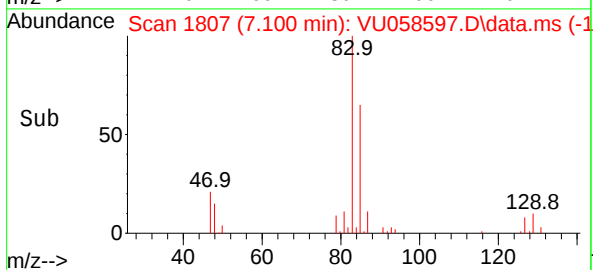
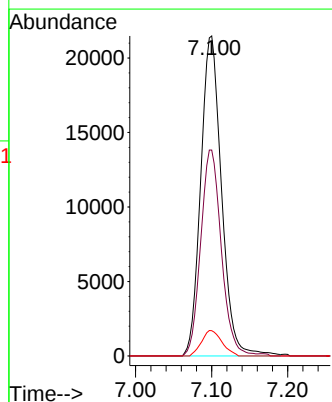
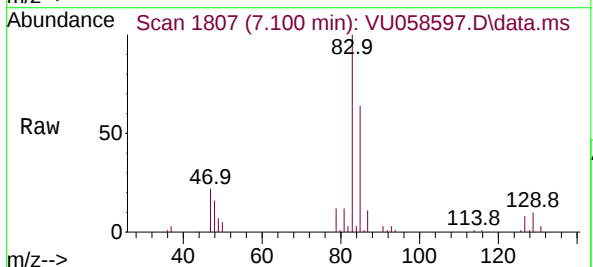
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005194

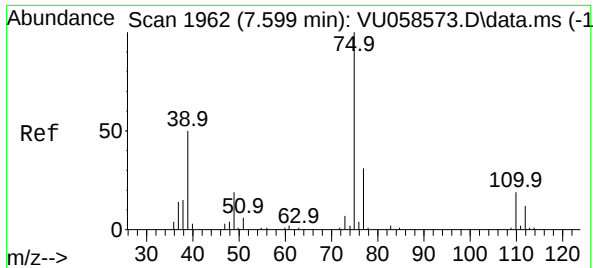
Tgt Ion: 63 Resp: 36097  
Ion Ratio Lower Upper  
63 100  
112 3.4 2.6 4.0



#38  
Bromodichloromethane  
Concen: 4.770 ug/L  
RT: 7.100 min Scan# 1807  
Delta R.T. 0.003 min  
Lab File: VU058597.D  
Acq: 11 Apr 2024 09:14

Tgt Ion: 83 Resp: 40855  
Ion Ratio Lower Upper  
83 100  
85 64.3 44.2 82.2  
127 7.9 6.5 9.7

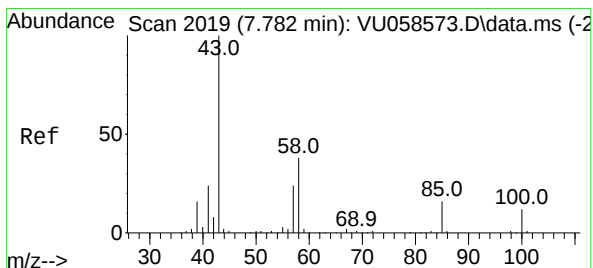
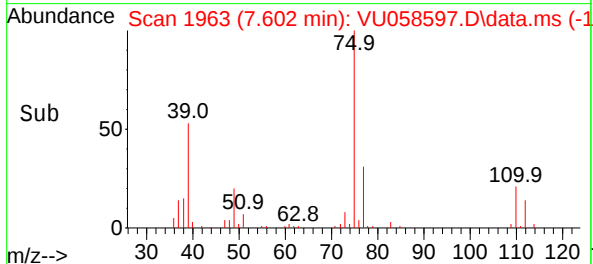
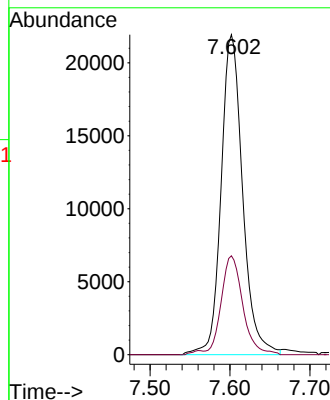
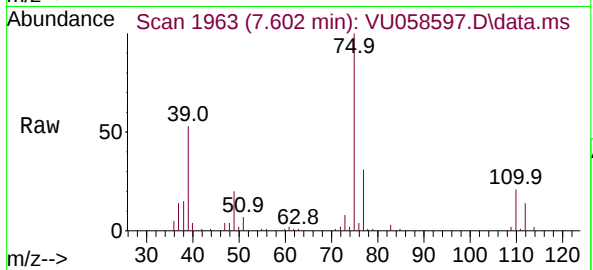




#39  
 cis-1,3-Dichloropropene  
 Concen: 4.291 ug/L  
 RT: 7.602 min Scan# 1962  
 Delta R.T. 0.003 min  
 Lab File: VU058597.D  
 Acq: 11 Apr 2024 09:14

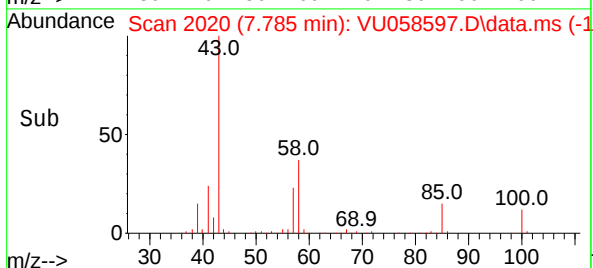
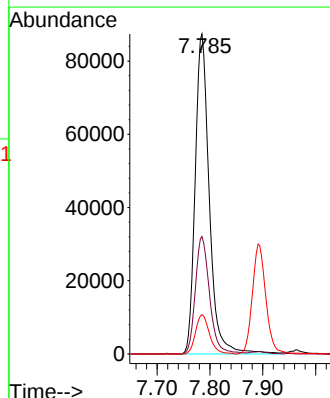
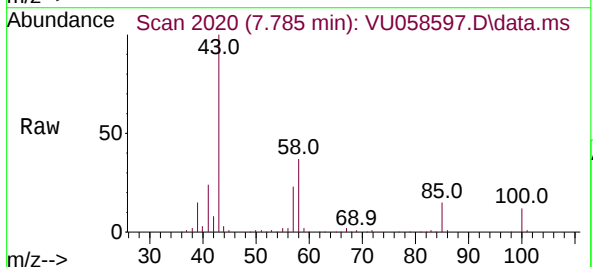
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005194

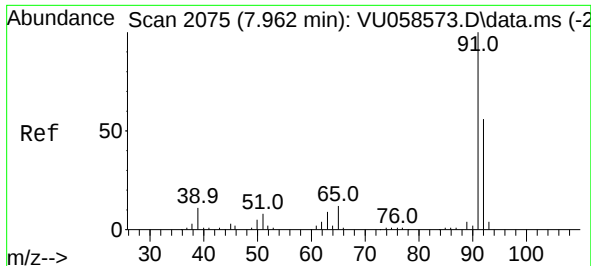
Tgt Ion: 75 Resp: 40936  
 Ion Ratio Lower Upper  
 75 100  
 77 30.9 22.7 42.3



#40  
 4-Methyl-2-pentanone  
 Concen: 45.924 ug/L  
 RT: 7.785 min Scan# 2020  
 Delta R.T. 0.003 min  
 Lab File: VU058597.D  
 Acq: 11 Apr 2024 09:14

Tgt Ion: 43 Resp: 162188  
 Ion Ratio Lower Upper  
 43 100  
 58 37.0 30.4 45.6  
 100 12.1 10.3 15.5





#42

Toluene

Concen: 4.546 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU058597.D

Acq: 11 Apr 2024 09:14

Instrument :

MSVOA\_U

ClientSampleId :

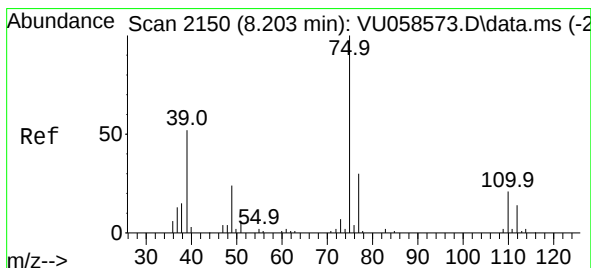
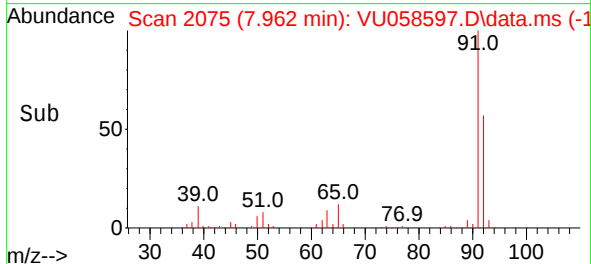
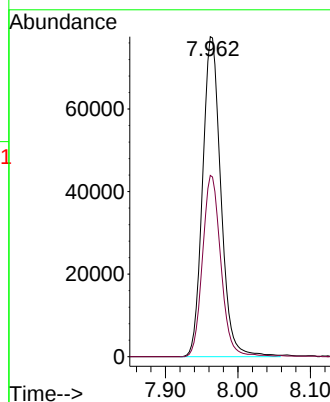
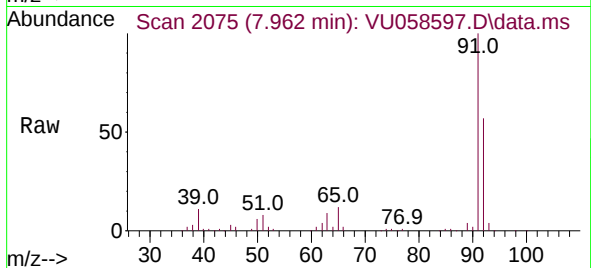
VSTD005194

Tgt Ion: 91 Resp: 135975

Ion Ratio Lower Upper

91 100

92 56.6 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 4.424 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.003 min

Lab File: VU058597.D

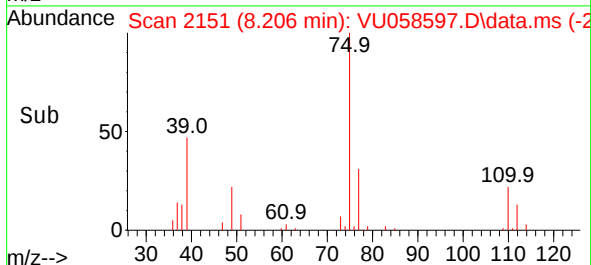
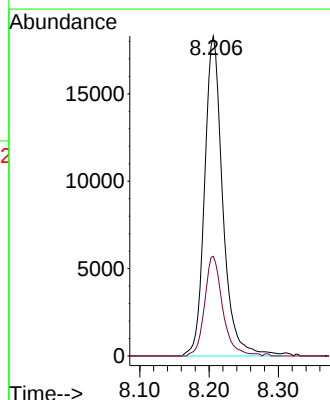
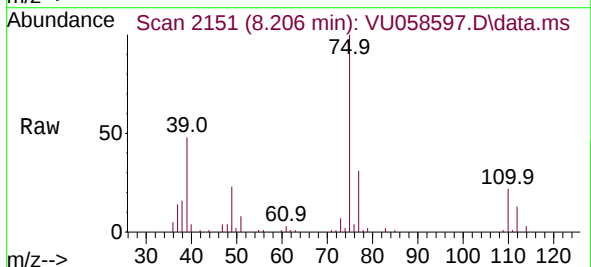
Acq: 11 Apr 2024 09:14

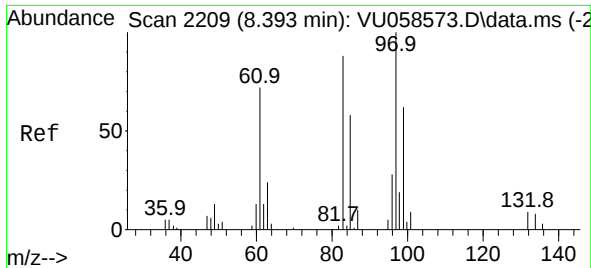
Tgt Ion: 75 Resp: 33286

Ion Ratio Lower Upper

75 100

77 31.1 22.2 41.2

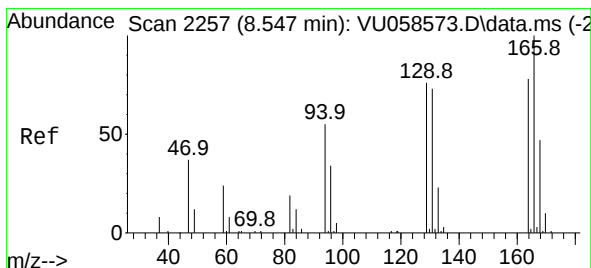
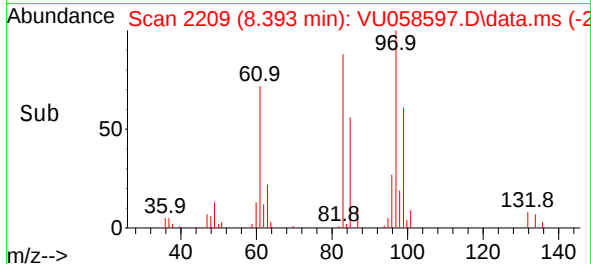
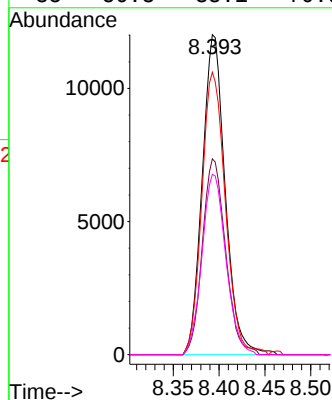
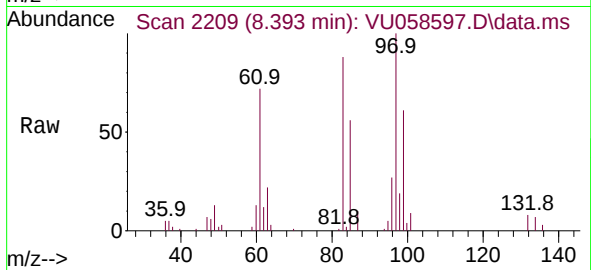




#45  
1,1,2-Trichloroethane  
Concen: 4.780 ug/L  
RT: 8.393 min Scan# 2209  
Delta R.T. -0.000 min  
Lab File: VU058597.D  
Acq: 11 Apr 2024 09:14

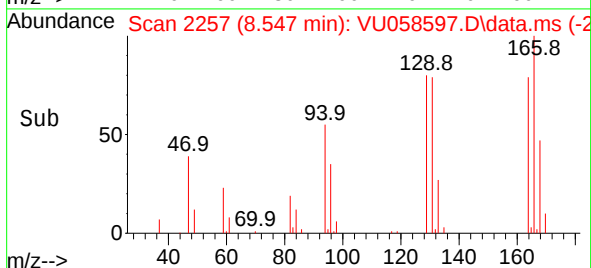
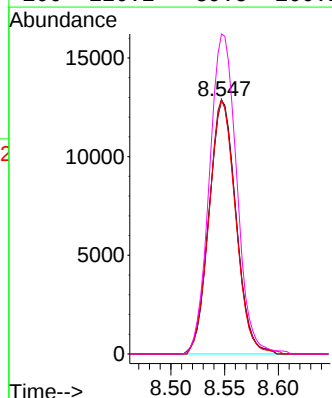
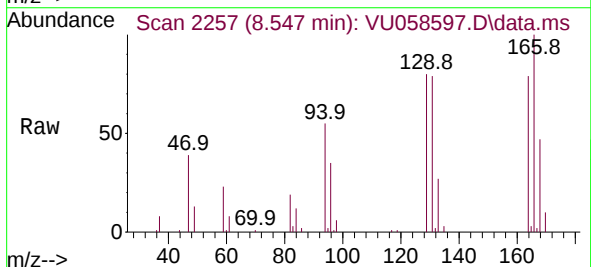
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005194

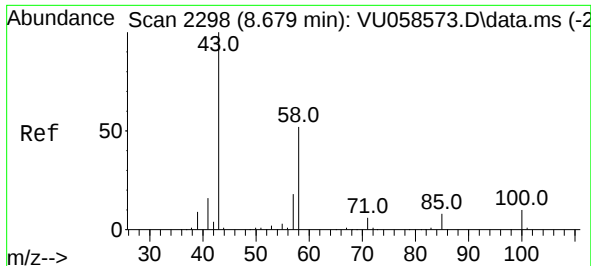
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 20946 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 61.2  | 43.7  | 81.1  |
| 83       | 88.2  | 64.5  | 119.7 |
| 85       | 56.3  | 38.1  | 70.9  |



#47  
Tetrachloroethene  
Concen: 4.229 ug/L  
RT: 8.547 min Scan# 2257  
Delta R.T. -0.000 min  
Lab File: VU058597.D  
Acq: 11 Apr 2024 09:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 22284 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 100.5 | 67.3  | 125.1 |
| 131      | 99.9  | 65.5  | 121.6 |
| 166      | 126.2 | 89.5  | 166.1 |





#48

2-Hexanone

Concen: 45.120 ug/L

RT: 8.679 min Scan# 2298

Delta R.T. -0.000 min

Lab File: VU058597.D

Acq: 11 Apr 2024 09:14

Instrument :

MSVOA\_U

ClientSampleId :

VSTD005194

Tgt Ion: 43 Resp: 113124

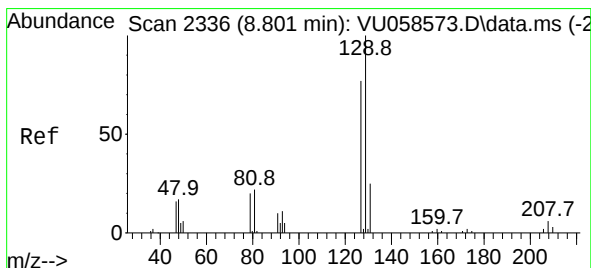
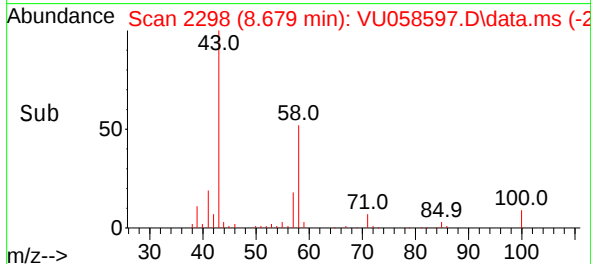
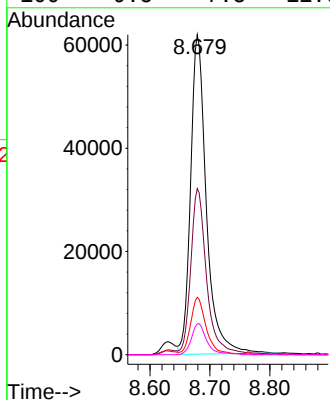
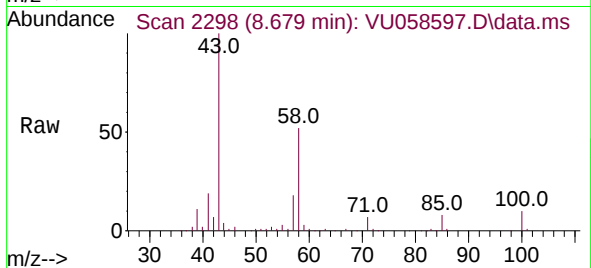
Ion Ratio Lower Upper

43 100

58 52.0 43.2 64.8

57 17.8 15.4 23.0

100 9.5 7.8 11.6



#49

Dibromochloromethane

Concen: 4.578 ug/L

RT: 8.801 min Scan# 2336

Delta R.T. -0.000 min

Lab File: VU058597.D

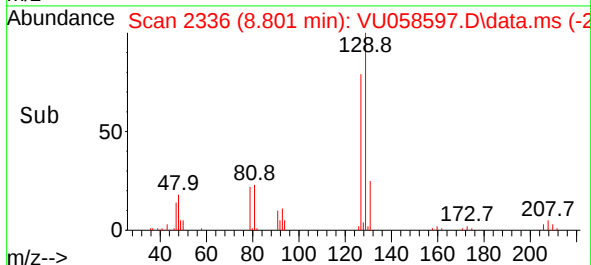
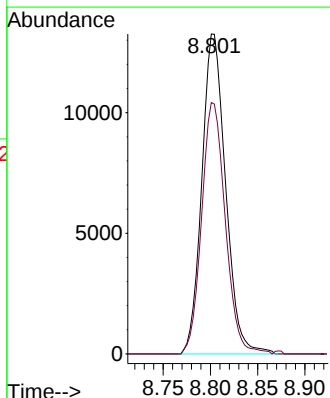
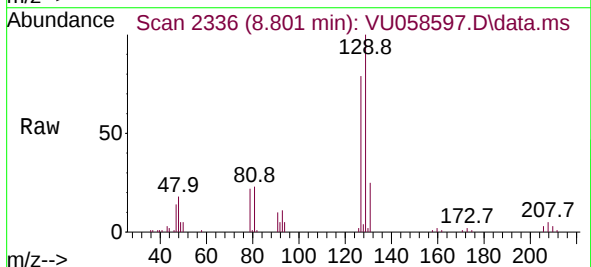
Acq: 11 Apr 2024 09:14

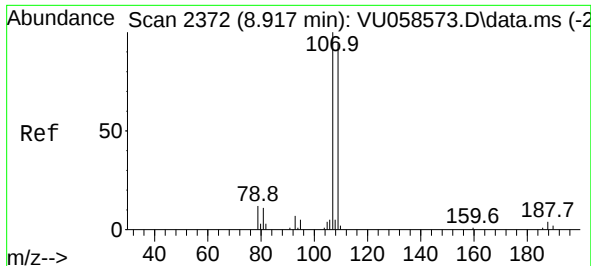
Tgt Ion: 129 Resp: 23194

Ion Ratio Lower Upper

129 100

127 78.5 53.5 99.5

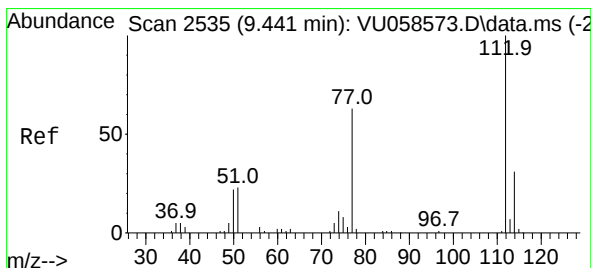
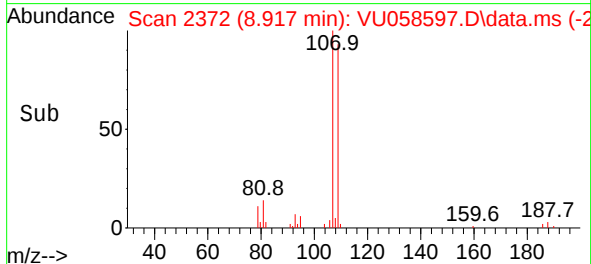
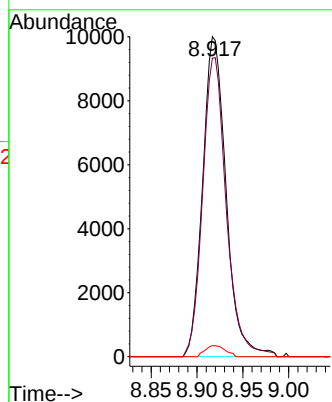
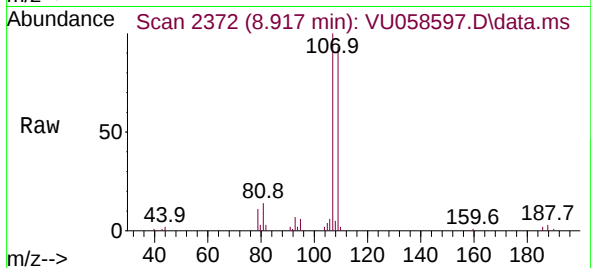




#50  
1,2-Dibromoethane  
Concen: 4.437 ug/L  
RT: 8.917 min Scan# 2372  
Delta R.T. -0.000 min  
Lab File: VU058597.D  
Acq: 11 Apr 2024 09:14

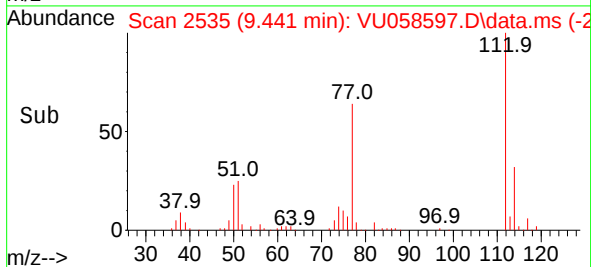
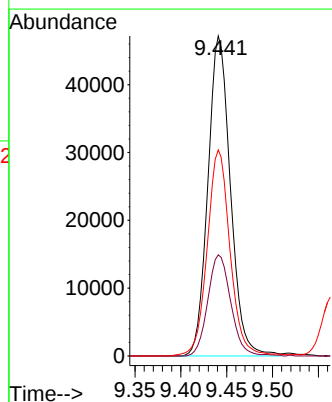
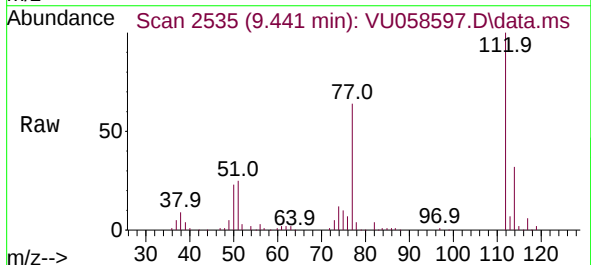
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005194

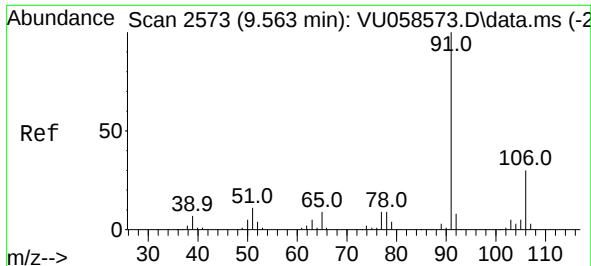
Tgt Ion:107 Resp: 17780  
Ion Ratio Lower Upper  
107 100  
109 93.2 67.3 124.9  
188 3.4 2.5 3.7



#51  
Chlorobenzene  
Concen: 4.462 ug/L  
RT: 9.441 min Scan# 2535  
Delta R.T. -0.000 min  
Lab File: VU058597.D  
Acq: 11 Apr 2024 09:14

Tgt Ion:112 Resp: 80754  
Ion Ratio Lower Upper  
112 100  
114 31.6 22.4 41.6  
77 64.4 50.1 75.1

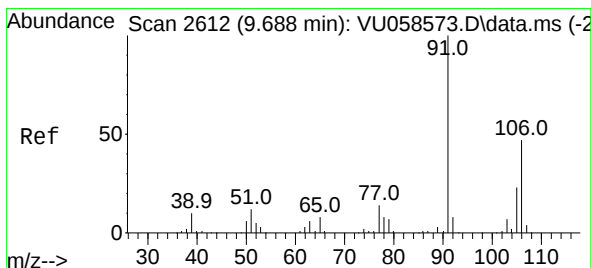
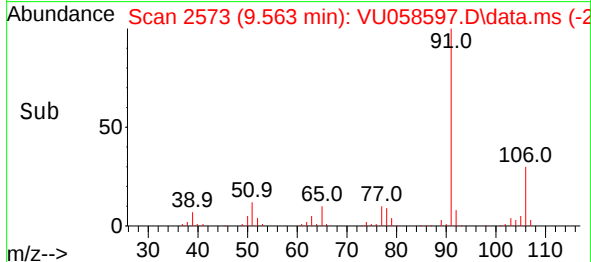
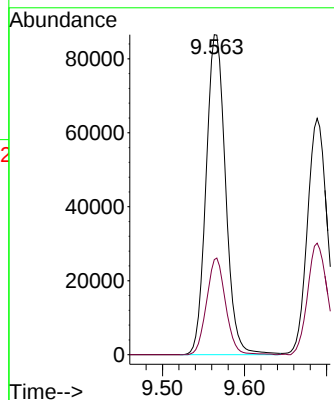
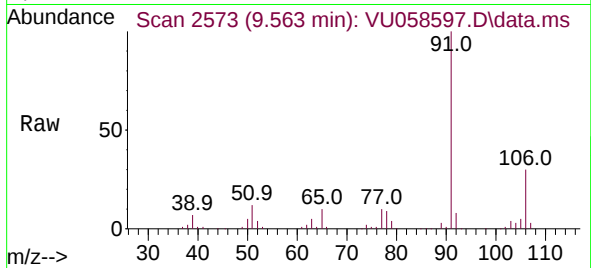




#52  
Ethylbenzene  
Concen: 4.504 ug/L  
RT: 9.563 min Scan# 2573  
Delta R.T. -0.000 min  
Lab File: VU058597.D  
Acq: 11 Apr 2024 09:14

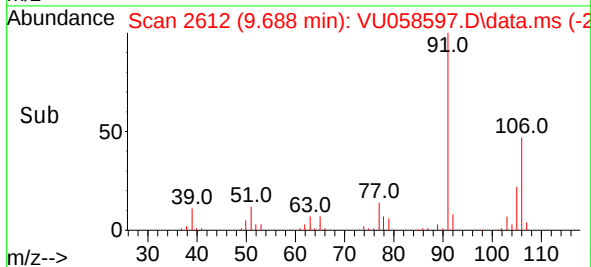
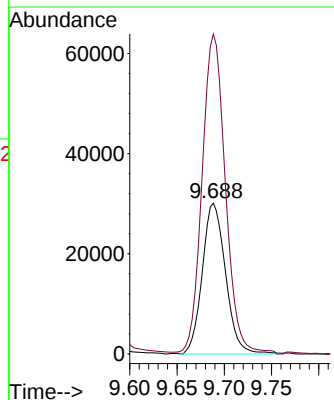
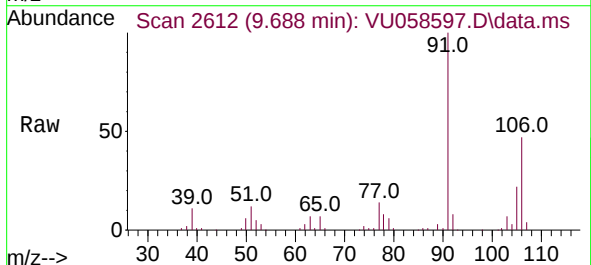
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005194

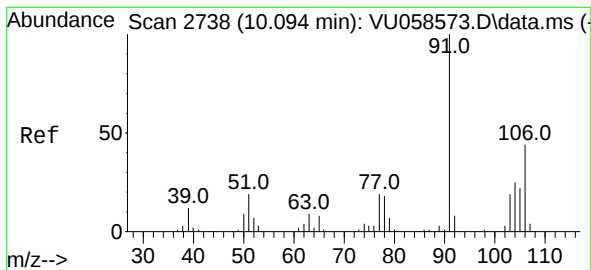
Tgt Ion: 91 Resp: 142741  
Ion Ratio Lower Upper  
91 100  
106 29.7 20.6 38.4



#53  
m,p-Xylene  
Concen: 4.539 ug/L  
RT: 9.688 min Scan# 2612  
Delta R.T. -0.000 min  
Lab File: VU058597.D  
Acq: 11 Apr 2024 09:14

Tgt Ion: 106 Resp: 51511  
Ion Ratio Lower Upper  
106 100  
91 212.0 147.8 274.4





#54

o-Xylene

Concen: 4.577 ug/L

RT: 10.094 min Scan# 2738

Delta R.T. -0.000 min

Lab File: VU058597.D

Acq: 11 Apr 2024 09:14

Instrument :

MSVOA\_U

ClientSampleId :

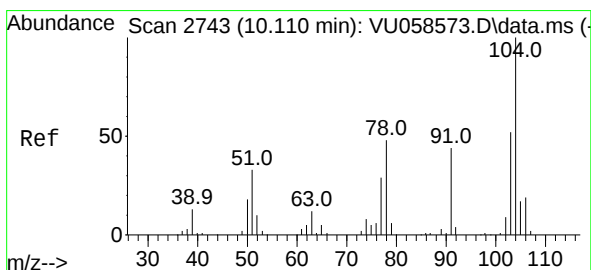
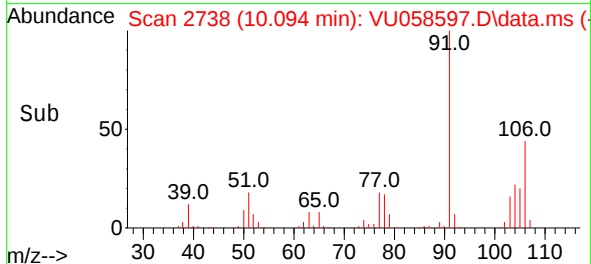
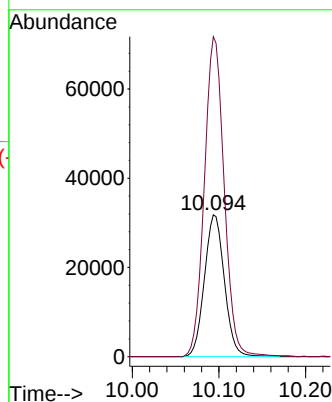
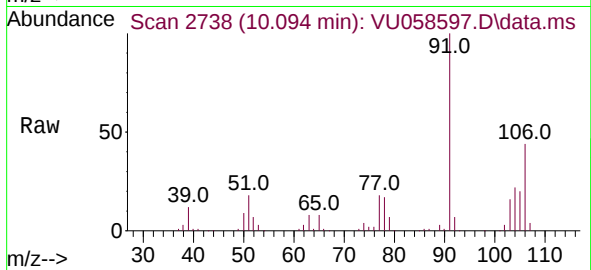
VSTD005194

Tgt Ion:106 Resp: 50923

Ion Ratio Lower Upper

106 100

91 225.4 156.9 291.5



#55

Styrene

Concen: 4.613 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. -0.000 min

Lab File: VU058597.D

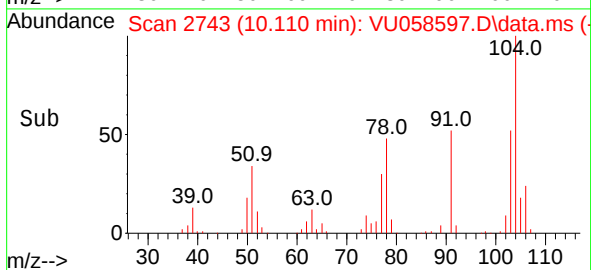
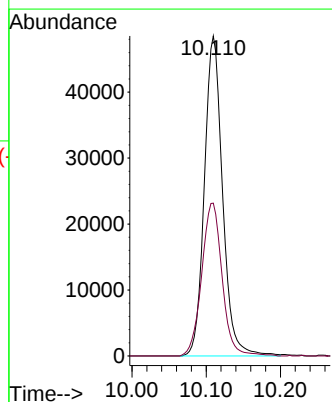
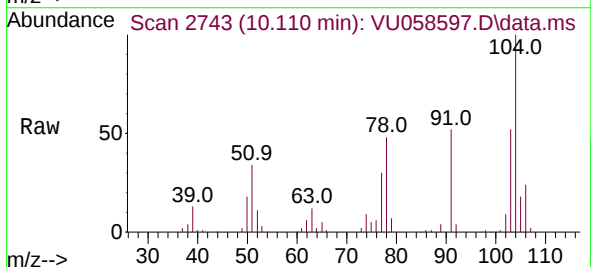
Acq: 11 Apr 2024 09:14

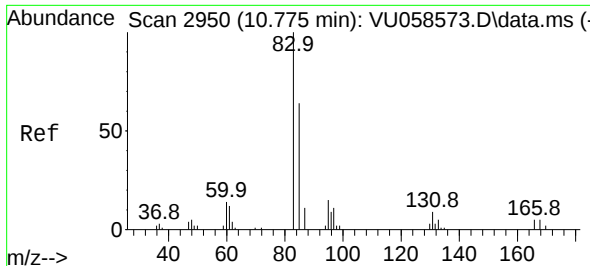
Tgt Ion:104 Resp: 82567

Ion Ratio Lower Upper

104 100

78 47.7 33.9 63.0





#57

1,1,2,2-Tetrachloroethane

Concen: 4.606 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. -0.000 min

Lab File: VU058597.D

Acq: 11 Apr 2024 09:14

Instrument :

MSVOA\_U

ClientSampleId :

VSTD005194

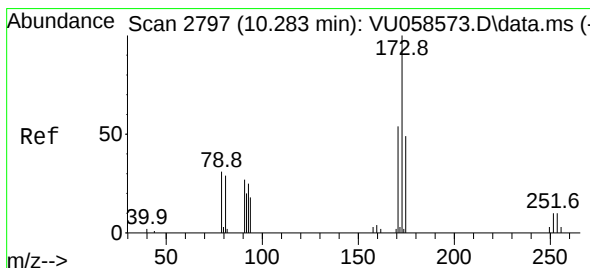
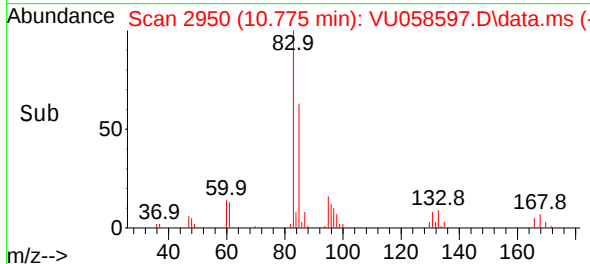
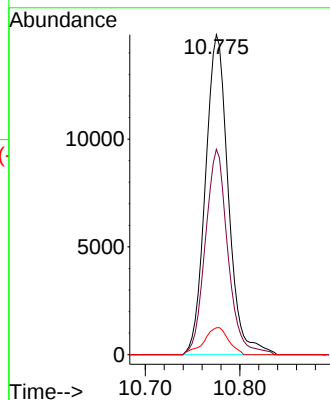
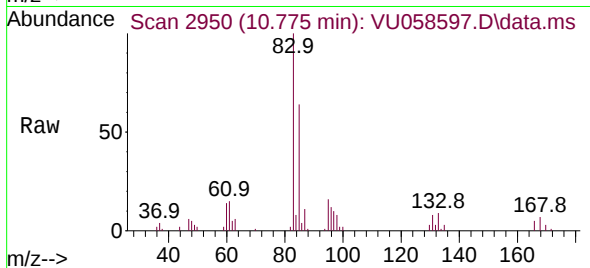
Tgt Ion: 83 Resp: 24895

Ion Ratio Lower Upper

83 100

85 64.2 45.1 83.7

131 8.4 6.9 10.3



#59

Bromoform

Concen: 4.665 ug/L

RT: 10.286 min Scan# 2798

Delta R.T. 0.003 min

Lab File: VU058597.D

Acq: 11 Apr 2024 09:14

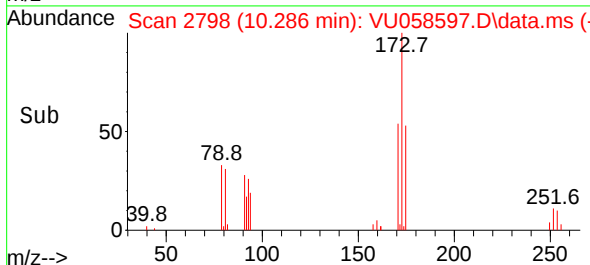
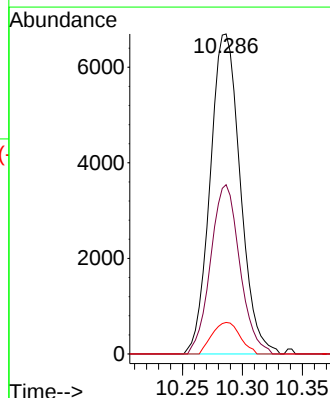
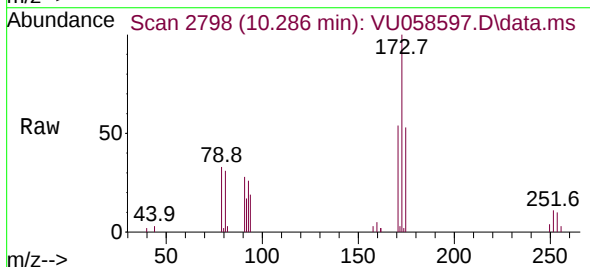
Tgt Ion:173 Resp: 11676

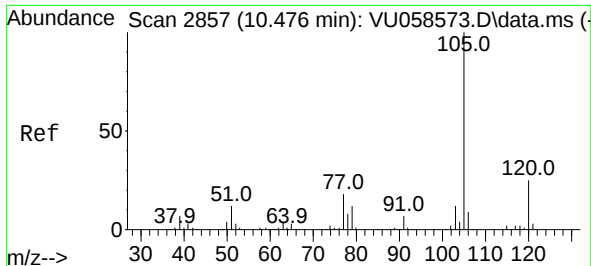
Ion Ratio Lower Upper

173 100

175 51.2 38.0 57.0

254 9.1 7.5 11.3

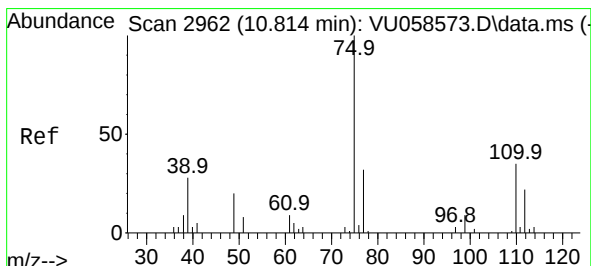
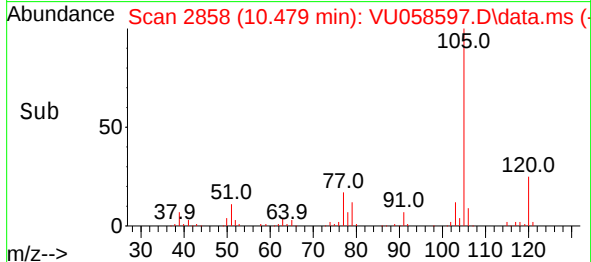
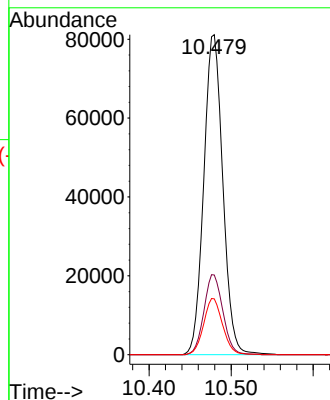
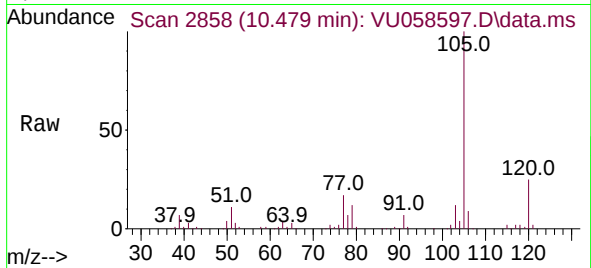




#60  
Isopropylbenzene  
Concen: 4.770 ug/L  
RT: 10.479 min Scan# 2857  
Delta R.T. 0.003 min  
Lab File: VU058597.D  
Acq: 11 Apr 2024 09:14

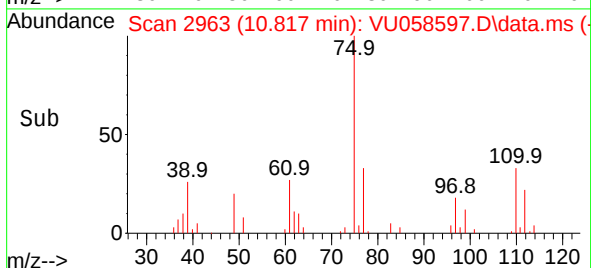
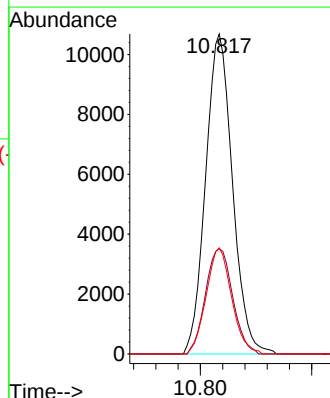
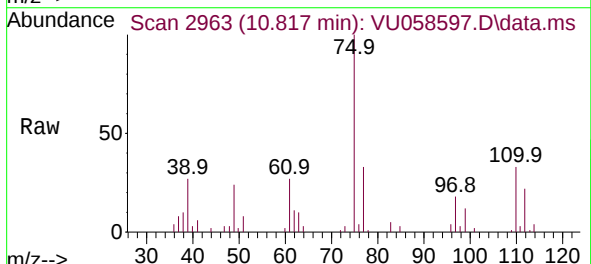
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005194

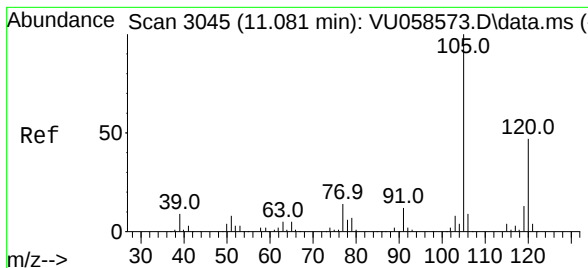
Tgt Ion:105 Resp: 130808  
Ion Ratio Lower Upper  
105 100  
120 24.9 20.2 30.4  
77 17.5 13.5 20.3



#61  
1,2,3-Trichloropropane  
Concen: 4.683 ug/L  
RT: 10.817 min Scan# 2963  
Delta R.T. 0.003 min  
Lab File: VU058597.D  
Acq: 11 Apr 2024 09:14

Tgt Ion: 75 Resp: 17900  
Ion Ratio Lower Upper  
75 100  
110 33.2 25.8 38.6  
77 31.4 25.1 37.7





#62

1,3,5-Trimethylbenzene

Concen: 4.603 ug/L

RT: 11.084 min Scan# 3045

Delta R.T. 0.003 min

Lab File: VU058597.D

Acq: 11 Apr 2024 09:14

Instrument :

MSVOA\_U

ClientSampleId :

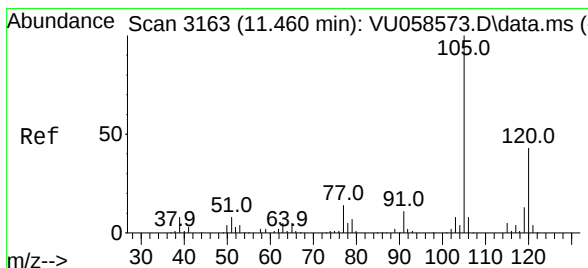
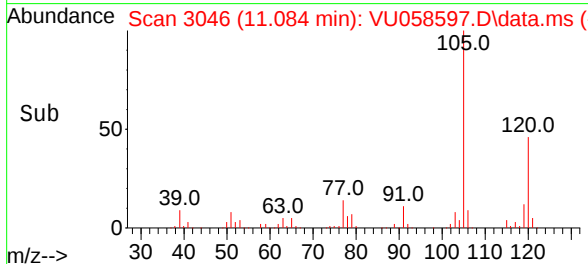
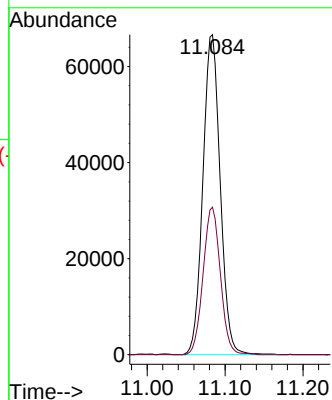
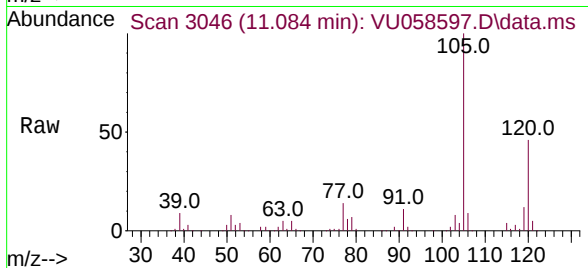
VSTD005194

Tgt Ion:105 Resp: 102949

Ion Ratio Lower Upper

105 100

120 46.0 37.2 55.8



#63

1,2,4-Trimethylbenzene

Concen: 4.613 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.003 min

Lab File: VU058597.D

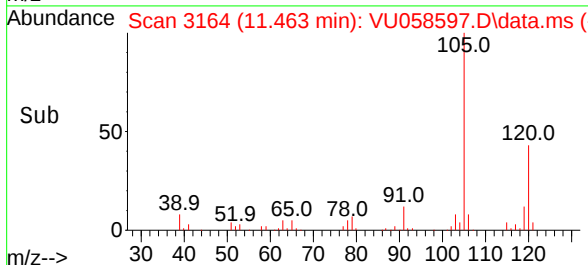
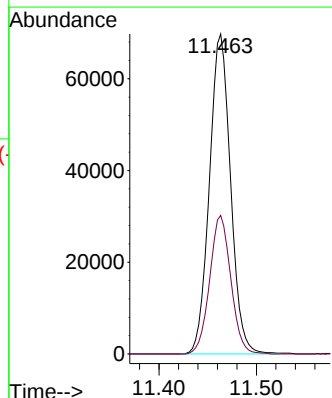
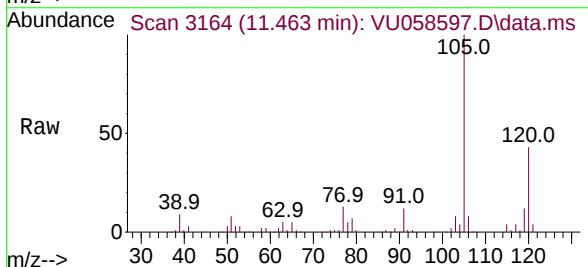
Acq: 11 Apr 2024 09:14

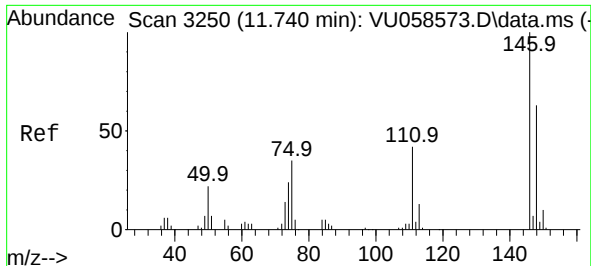
Tgt Ion:105 Resp: 105336

Ion Ratio Lower Upper

105 100

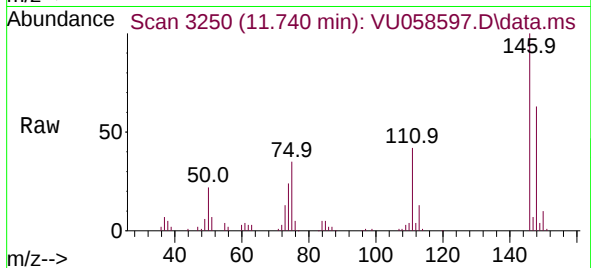
120 43.2 34.7 52.1



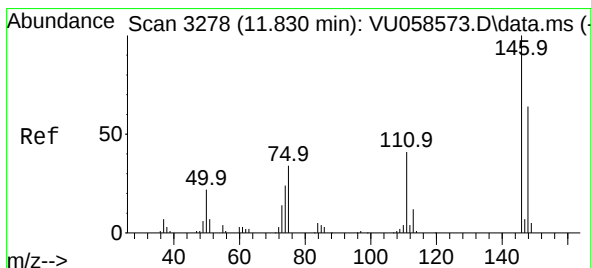
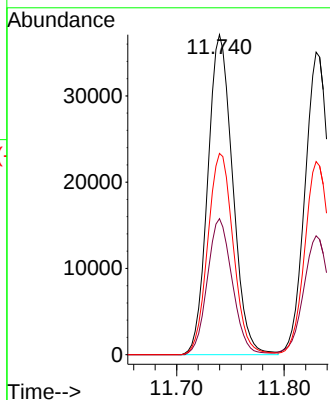
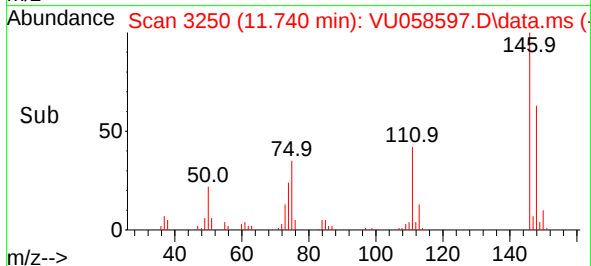


#64  
1,3-Dichlorobenzene  
Concen: 4.491 ug/L  
RT: 11.740 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VU058597.D  
Acq: 11 Apr 2024 09:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005194

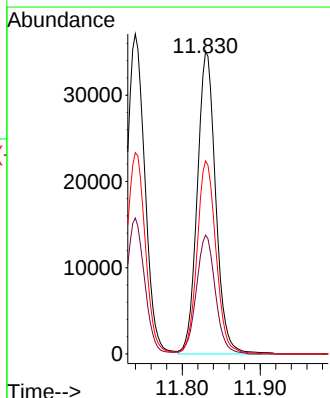
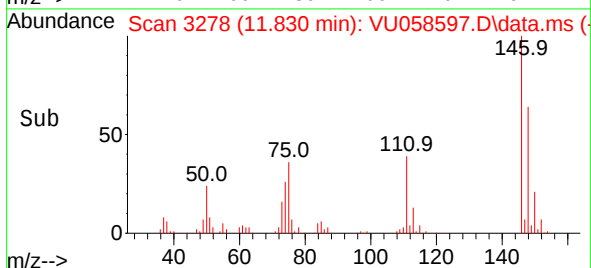
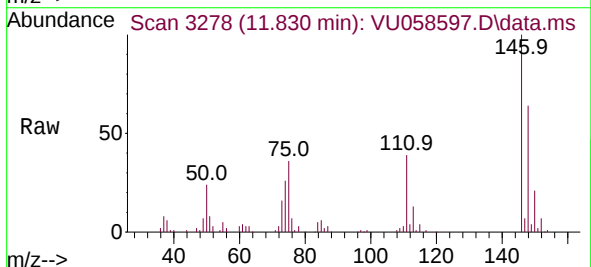


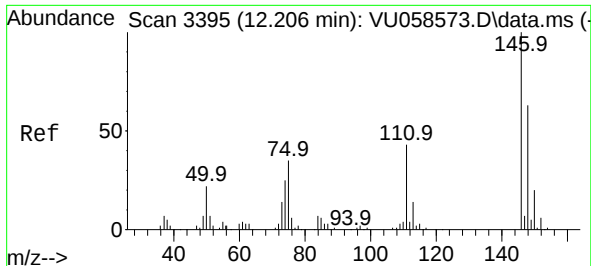
Tgt Ion:146 Resp: 59823  
Ion Ratio Lower Upper  
146 100  
111 42.5 28.8 53.4  
148 62.9 44.9 83.3



#65  
1,4-Dichlorobenzene  
Concen: 4.446 ug/L  
RT: 11.830 min Scan# 3278  
Delta R.T. -0.000 min  
Lab File: VU058597.D  
Acq: 11 Apr 2024 09:14

Tgt Ion:146 Resp: 57698  
Ion Ratio Lower Upper  
146 100  
111 39.3 28.8 53.6  
148 63.8 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 4.433 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

Lab File: VU058597.D

Acq: 11 Apr 2024 09:14

Instrument :

MSVOA\_U

ClientSampleId :

VSTD005194

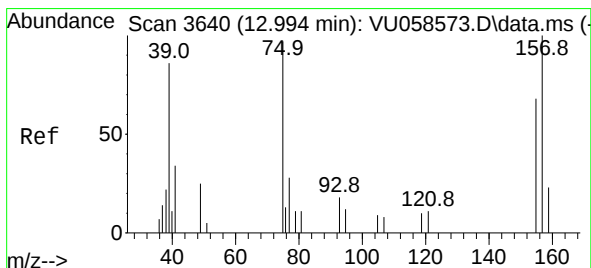
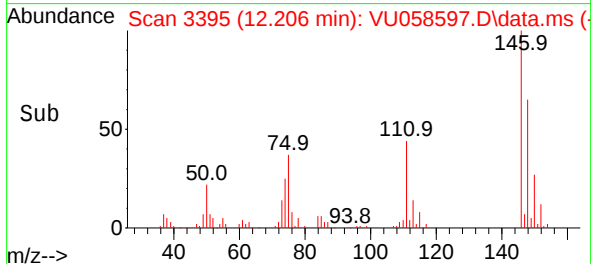
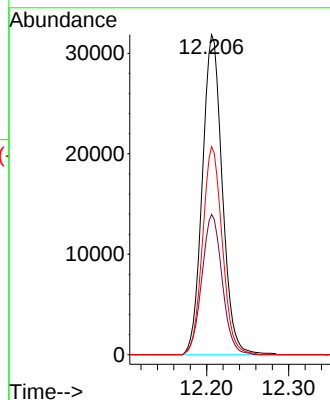
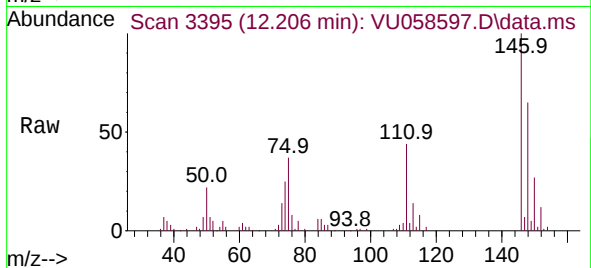
Tgt Ion:146 Resp: 53715

Ion Ratio Lower Upper

146 100

111 43.9 35.0 52.4

148 65.0 52.5 78.7



#68

1,2-Dibromo-3-chloropropane

Concen: 4.903 ug/L

RT: 12.990 min Scan# 3639

Delta R.T. -0.003 min

Lab File: VU058597.D

Acq: 11 Apr 2024 09:14

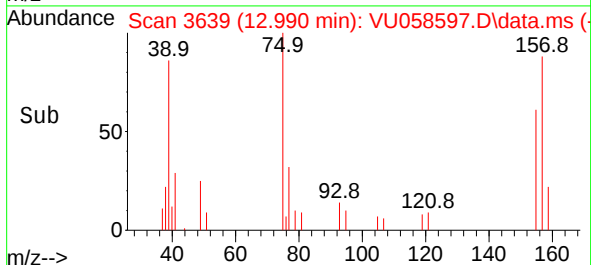
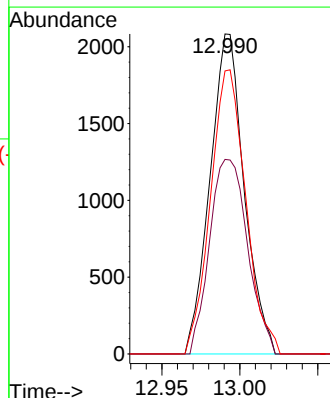
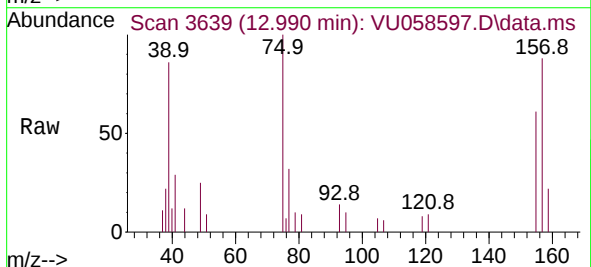
Tgt Ion: 75 Resp: 3178

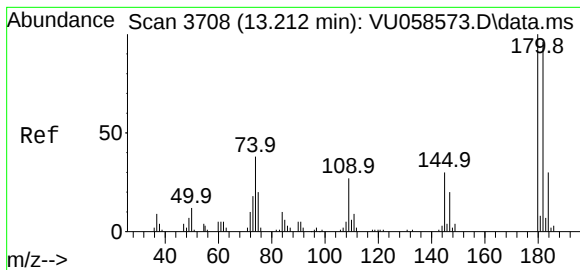
Ion Ratio Lower Upper

75 100

155 60.8 61.4 92.0#

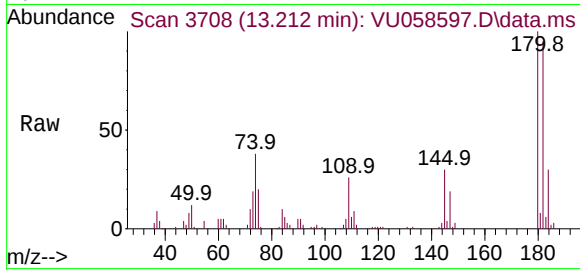
157 88.4 81.7 122.5



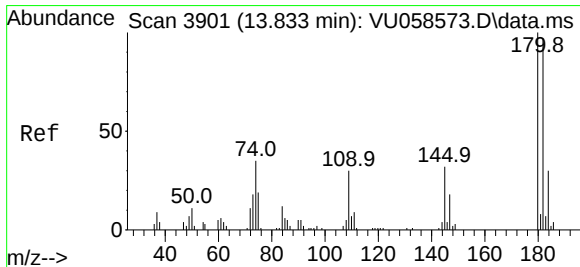
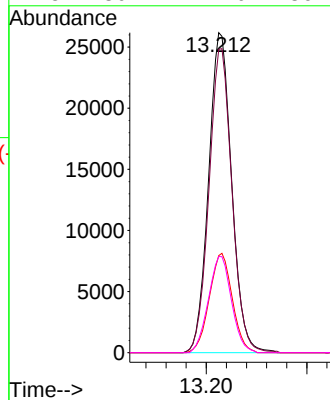
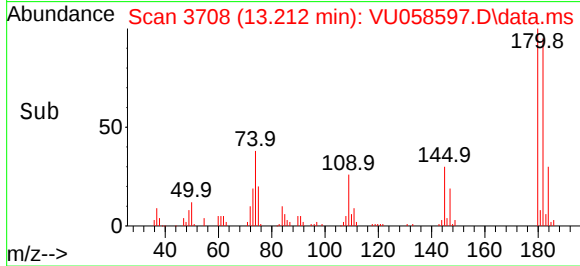


#69  
1,3,5-Trichlorobenzene  
Concen: 4.223 ug/L  
RT: 13.212 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VU058597.D  
Acq: 11 Apr 2024 09:14

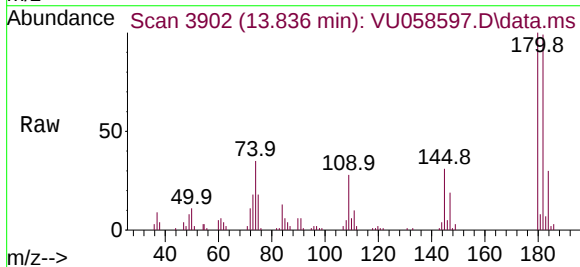
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005194



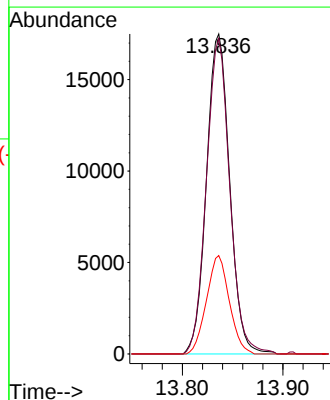
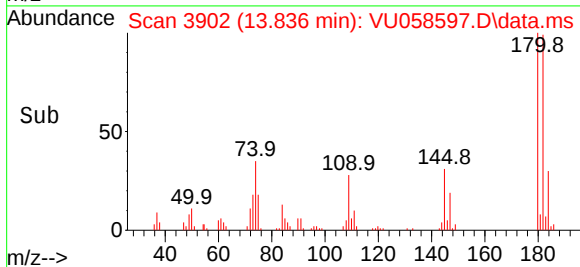
Tgt Ion:180 Resp: 41599  
Ion Ratio Lower Upper  
180 100  
182 94.7 75.7 113.5  
184 30.9 24.3 36.5  
145 30.1 24.0 36.0

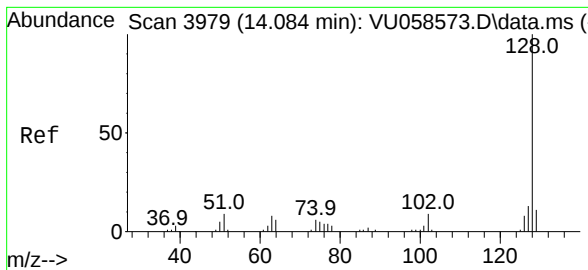


#70  
1,2,4-trichlorobenzene  
Concen: 3.693 ug/L  
RT: 13.836 min Scan# 3902  
Delta R.T. 0.003 min  
Lab File: VU058597.D  
Acq: 11 Apr 2024 09:14



Tgt Ion:180 Resp: 28053  
Ion Ratio Lower Upper  
180 100  
182 99.1 74.4 111.6  
145 30.2 24.1 36.1

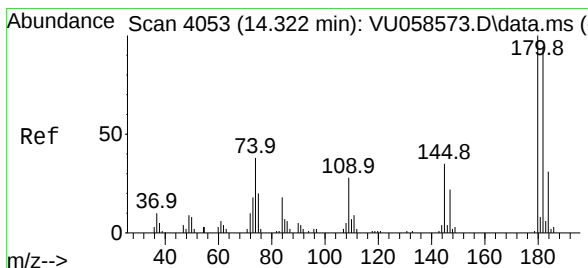
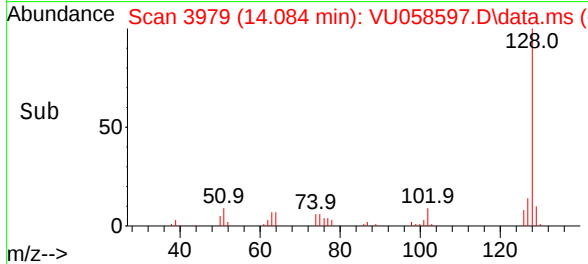
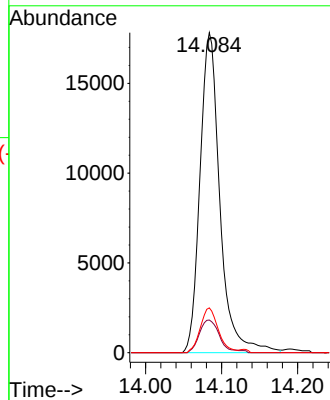
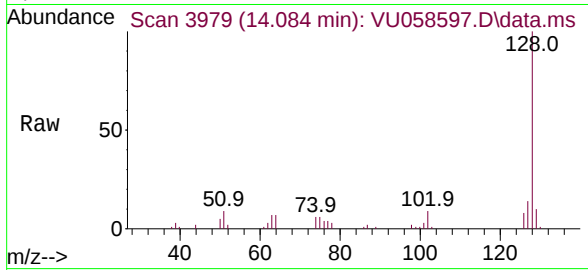




#71  
Naphthalene  
Concen: 3.114 ug/L  
RT: 14.084 min Scan# 3979  
Delta R.T. -0.000 min  
Lab File: VU058597.D  
Acq: 11 Apr 2024 09:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005194

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:128 | Resp: | 32413     |
| Ion Ratio   | Lower | Upper     |
| 128         | 100   |           |
| 129         | 10.4  | 8.6 13.0  |
| 127         | 12.6  | 11.0 16.6 |



#72  
1,2,3-Trichlorobenzene  
Concen: 3.773 ug/L  
RT: 14.322 min Scan# 4053  
Delta R.T. -0.000 min  
Lab File: VU058597.D  
Acq: 11 Apr 2024 09:14

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 23666      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 95.7  | 75.9 113.9 |
| 145         | 32.8  | 25.2 37.8  |

