

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU081524\  
 Data File : VU060459.D  
 Acq On : 15 Aug 2024 09:28  
 Operator : MD/SY  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Aug 16 04:51:15 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR080824WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Aug 14 01:18:59 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 90511    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 92481    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152   | 49464    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.592  | 65    | 29025    | 4.085    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 81.800%  |
| 7) Chloroethane-d5            | 1.907  | 69    | 26416    | 4.123    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 82.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.557  | 65    | 12436    | 4.113    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 82.200%  |
| 20) 2-Butanone-d5             | 4.634  | 46    | 64991    | 43.104   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 86.200%  |
| 24) Chloroform-d              | 5.052  | 84    | 65280    | 4.640    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 92.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 30275    | 4.641    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 92.800%  |
| 32) Benzene-d6                | 5.717  | 84    | 121883   | 4.370    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 87.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 38300    | 4.427    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 88.600%  |
| 41) Toluene-d8                | 7.891  | 98    | 113680   | 4.565    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 91.400%  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 13592    | 4.860    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 97.200%  |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 53187    | 42.852   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 85.700%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749 | 84    | 30806    | 4.340    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 86.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 39792    | 4.367    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 87.400%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.380  | 85    | 23084    | 4.728    | ug/L   | 98       |
| 3) Chloromethane              | 1.515  | 50    | 25989    | 4.279    | ug/L   | 96       |
| 5) Vinyl chloride             | 1.599  | 62    | 31569    | 4.440    | ug/L   | 99       |
| 6) Bromomethane               | 1.853  | 94    | 21714    | 4.312    | ug/L   | 97       |
| 8) Chloroethane               | 1.930  | 64    | 21418    | 4.441    | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 2.129  | 101   | 53769    | 5.394    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.573  | 101   | 32512    | 4.949    | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.570  | 96    | 27494    | 4.607    | ug/L   | 93       |
| 13) Acetone                   | 2.647  | 43    | 57182    | 55.537   | ug/L   | 96       |
| 14) Carbon disulfide          | 2.785  | 76    | 60640    | 4.028    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.959  | 43    | 11648    | 5.460    | ug/L   | 97       |
| 16) Methylene chloride        | 3.036  | 84    | 35444    | 4.178    | ug/L   | 95       |
| 17) Methyl tert-butyl Ether   | 3.357  | 73    | 68632    | 4.878    | ug/L   | 96       |
| 18) trans-1,2-Dichloroethene  | 3.345  | 96    | 27131    | 4.634    | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.856  | 63    | 61427    | 5.082    | ug/L   | 98       |
| 21) 2-Butanone                | 4.711  | 43    | 74864    | 48.784   | ug/L   | 99       |
| 22) cis-1,2-Dichloroethene    | 4.656  | 96    | 34575    | 4.892    | ug/L   | 96       |
| 23) Bromochloromethane        | 4.968  | 128   | 16404    | 5.029    | ug/L   | 95       |
| 25) Chloroform                | 5.078  | 83    | 68045    | 5.175    | ug/L   | 100      |

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 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

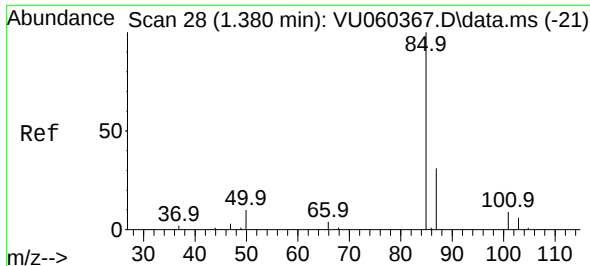
Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Aug 16 04:51:15 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR080824WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Aug 14 01:18:59 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.785  | 62   | 37971    | 5.429  | ug/L  | 96       |
| 29) 1,1,1-Trichloroethane     | 5.306  | 97   | 55057    | 5.438  | ug/L  | 99       |
| 30) Cyclohexane               | 5.380  | 56   | 36545    | 4.459  | ug/L  | 95       |
| 31) Carbon tetrachloride      | 5.515  | 117  | 48819    | 5.502  | ug/L  | 99       |
| 33) Benzene                   | 5.766  | 78   | 133362   | 5.009  | ug/L  | 100      |
| 34) Trichloroethene           | 6.534  | 95   | 33820    | 4.852  | ug/L  | 93       |
| 35) Methylcyclohexane         | 6.756  | 83   | 40484    | 4.448  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.782  | 63   | 37112    | 5.121  | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.097  | 83   | 48517    | 5.417  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.602  | 75   | 49909    | 5.071  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.785  | 43   | 182825   | 54.048 | ug/L  | 97       |
| 42) Toluene                   | 7.962  | 91   | 147665   | 5.248  | ug/L  | 97       |
| 44) trans-1,3-Dichloropropene | 8.203  | 75   | 42166    | 5.186  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 8.393  | 97   | 27426    | 4.942  | ug/L  | 96       |
| 47) Tetrachloroethene         | 8.547  | 164  | 27563    | 5.056  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.679  | 43   | 141665   | 55.245 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.801  | 129  | 32376    | 5.486  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.917  | 107  | 25202    | 5.101  | ug/L  | 100      |
| 51) Chlorobenzene             | 9.441  | 112  | 96085    | 5.062  | ug/L  | 97       |
| 52) Ethylbenzene              | 9.563  | 91   | 148852   | 5.022  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.688  | 106  | 57944    | 5.143  | ug/L  | 99       |
| 54) o-Xylene                  | 10.094 | 106  | 56571    | 5.248  | ug/L  | 99       |
| 55) Styrene                   | 10.110 | 104  | 97466    | 5.226  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 35565    | 5.154  | ug/L  | 96       |
| 59) Bromoform                 | 10.283 | 173  | 19035    | 5.068  | ug/L  | 98       |
| 60) Isopropylbenzene          | 10.476 | 105  | 151199   | 5.062  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.817 | 75   | 24566    | 5.130  | ug/L  | 96       |
| 62) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 116434   | 5.064  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 114100   | 5.035  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.740 | 146  | 76134    | 5.002  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.830 | 146  | 75973    | 4.952  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 12.206 | 146  | 72529    | 5.046  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.991 | 75   | 4905     | 5.464  | ug/L  | 93       |
| 69) 1,3,5-Trichlorobenzene    | 13.212 | 180  | 53968    | 4.692  | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.836 | 180  | 39802    | 4.407  | ug/L  | 98       |
| 71) Naphthalene               | 14.080 | 128  | 56188    | 4.376  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 35963    | 4.445  | ug/L  | 97       |

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

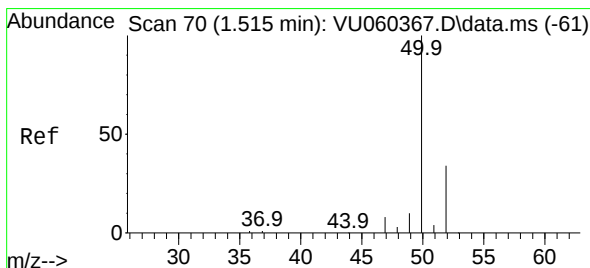
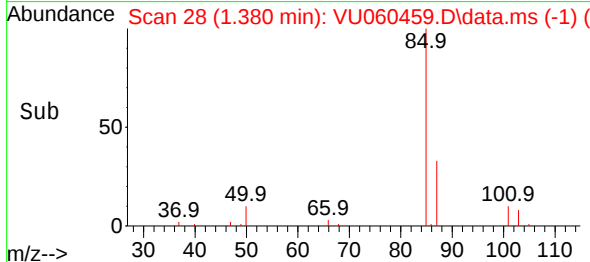
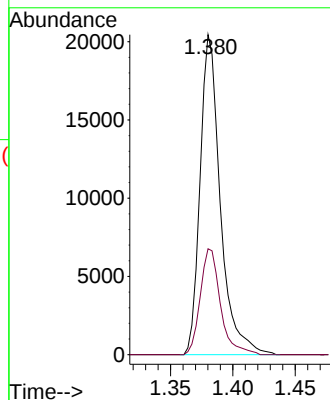
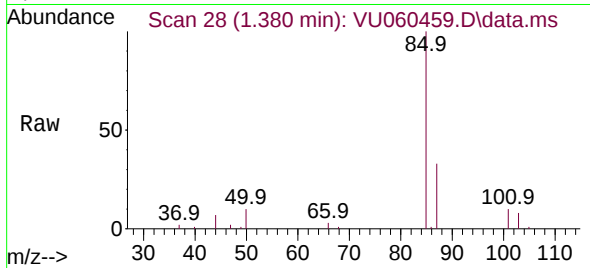




#2  
 Dichlorodifluoromethane  
 Concen: 4.728 ug/L  
 RT: 1.380 min Scan# 21  
 Delta R.T. -0.003 min  
 Lab File: VU060459.D  
 Acq: 15 Aug 2024 09:28

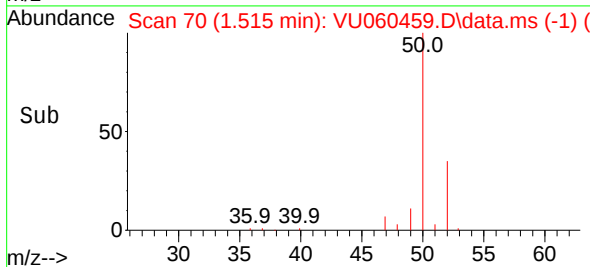
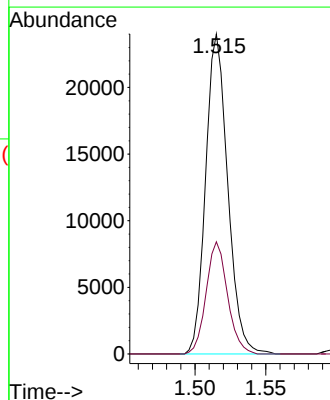
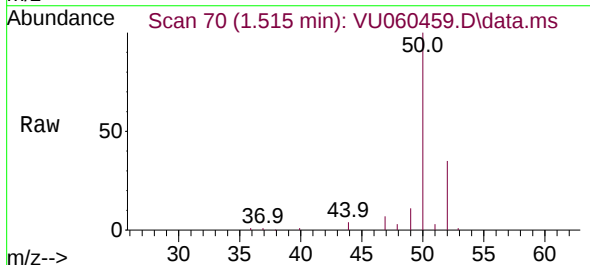
Instrument :  
 MSVOA\_U  
 ClientSampleId :

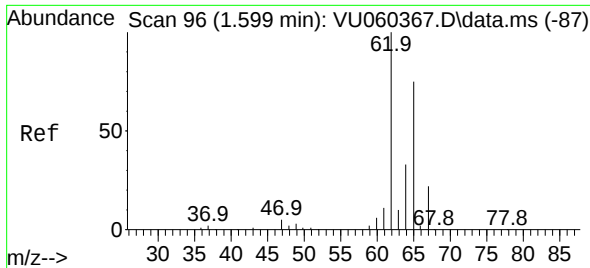
Tgt Ion: 85 Resp: 23084  
 Ion Ratio Lower Upper  
 85 100  
 87 33.1 25.7 38.5



#3  
 Chloromethane  
 Concen: 4.279 ug/L  
 RT: 1.515 min Scan# 70  
 Delta R.T. -0.003 min  
 Lab File: VU060459.D  
 Acq: 15 Aug 2024 09:28

Tgt Ion: 50 Resp: 25989  
 Ion Ratio Lower Upper  
 50 100  
 52 35.1 22.8 42.4

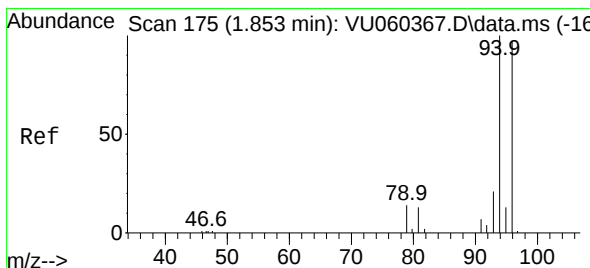
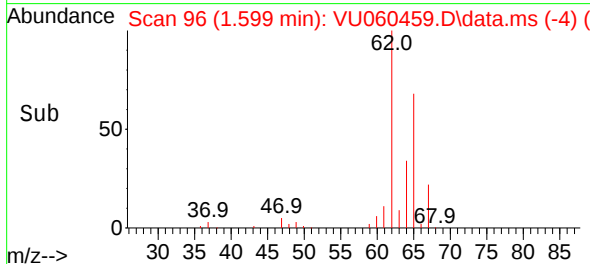
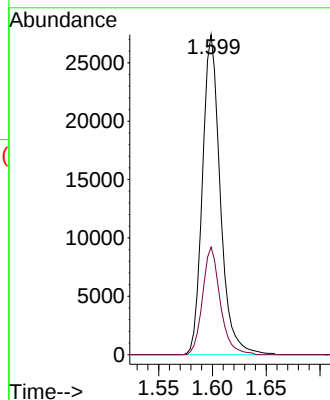
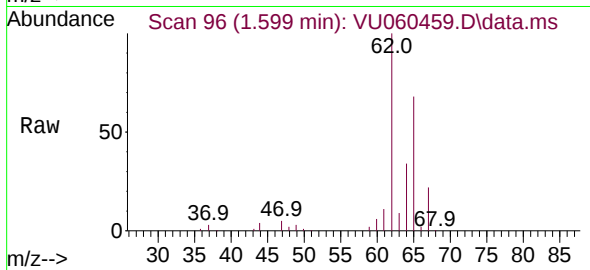




#5  
 Vinyl chloride  
 Concen: 4.440 ug/L  
 RT: 1.599 min Scan# 96  
 Delta R.T. -0.003 min  
 Lab File: VU060459.D  
 Acq: 15 Aug 2024 09:28

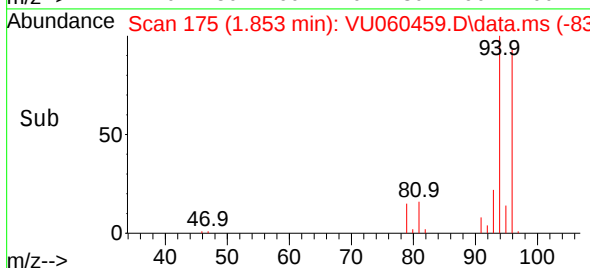
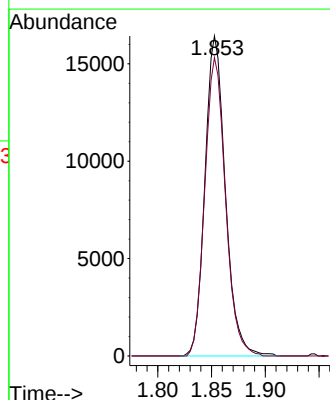
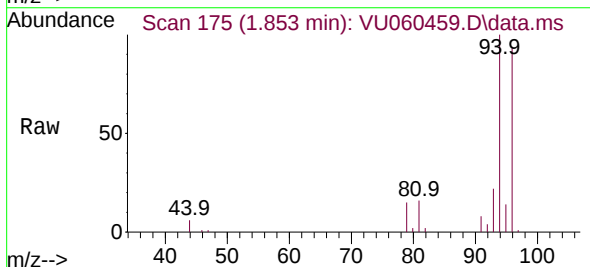
Instrument :  
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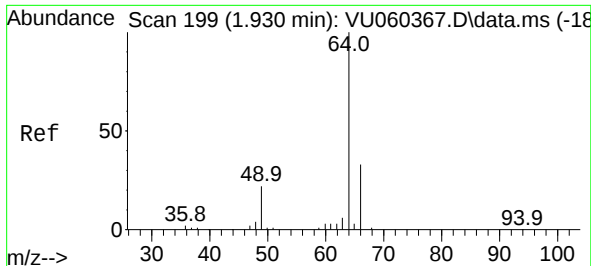
Tgt Ion: 62 Resp: 31569  
 Ion Ratio Lower Upper  
 62 100  
 64 33.6 24.1 44.7



#6  
 Bromomethane  
 Concen: 4.312 ug/L  
 RT: 1.853 min Scan# 175  
 Delta R.T. -0.003 min  
 Lab File: VU060459.D  
 Acq: 15 Aug 2024 09:28

Tgt Ion: 94 Resp: 21714  
 Ion Ratio Lower Upper  
 94 100  
 96 93.2 63.2 117.4

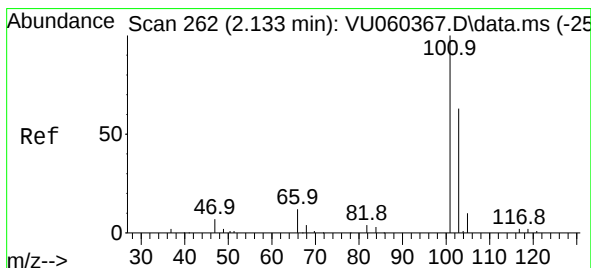
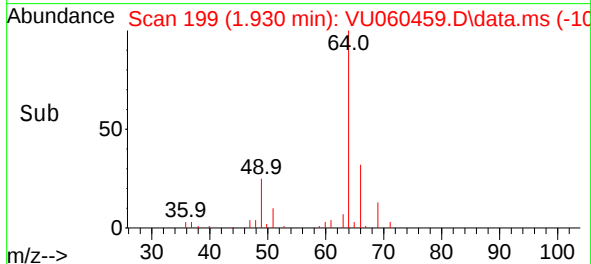
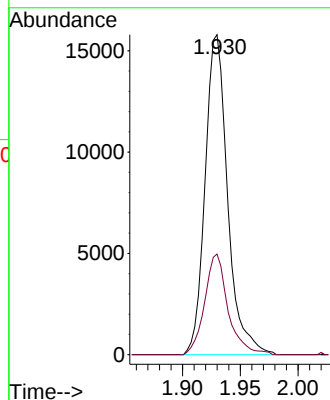
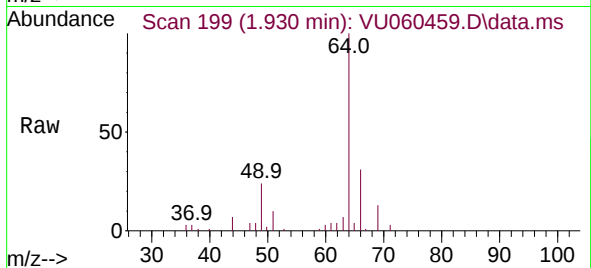




#8  
Chloroethane  
Concen: 4.441 ug/L  
RT: 1.930 min Scan# 199  
Delta R.T. 0.000 min  
Lab File: VU060459.D  
Acq: 15 Aug 2024 09:28

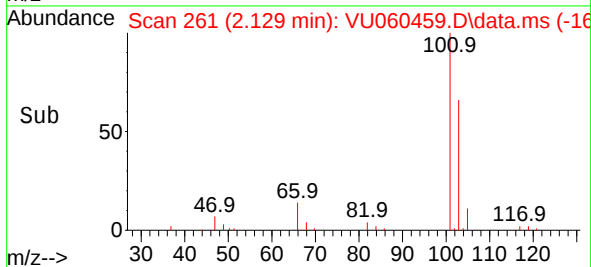
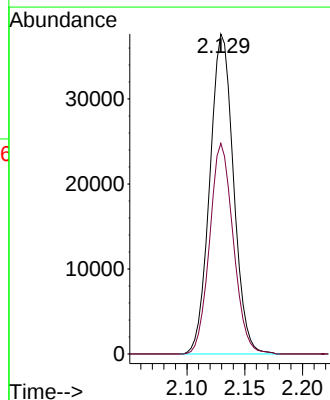
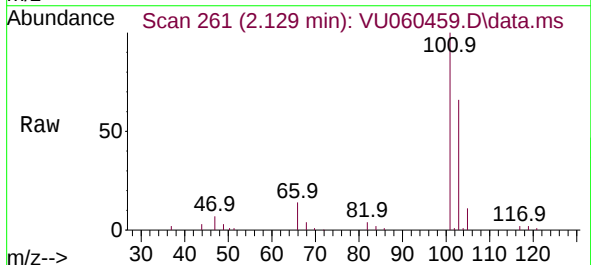
Instrument :  
MSVOA\_U  
ClientSampleId :

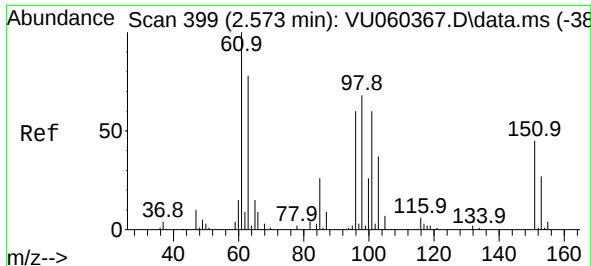
Tgt Ion: 64 Resp: 21418  
Ion Ratio Lower Upper  
64 100  
66 31.5 22.2 41.2



#9  
Trichlorofluoromethane  
Concen: 5.394 ug/L  
RT: 2.129 min Scan# 261  
Delta R.T. -0.003 min  
Lab File: VU060459.D  
Acq: 15 Aug 2024 09:28

Tgt Ion:101 Resp: 53769  
Ion Ratio Lower Upper  
101 100  
103 65.6 51.7 77.5

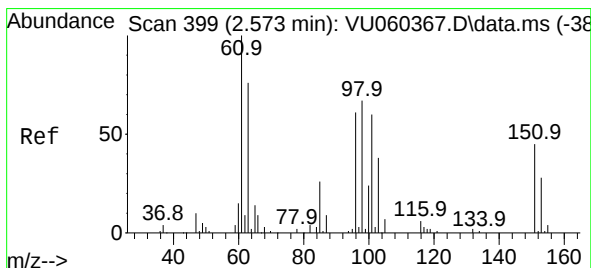
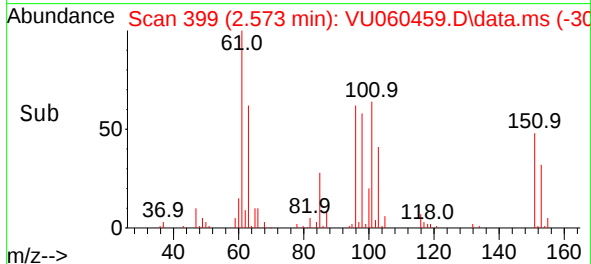
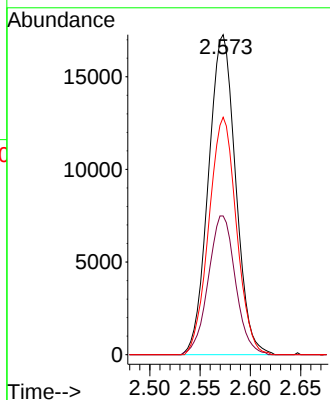
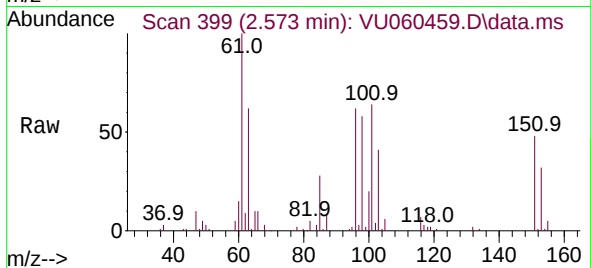




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 4.949 ug/L  
RT: 2.573 min Scan# 399  
Delta R.T. 0.000 min  
Lab File: VU060459.D  
Acq: 15 Aug 2024 09:28

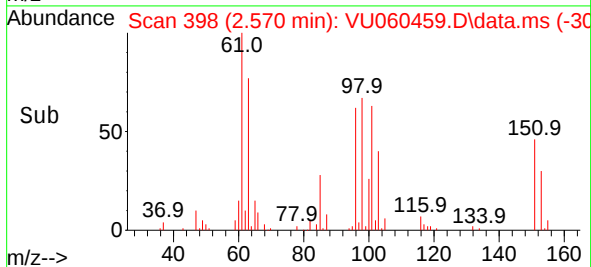
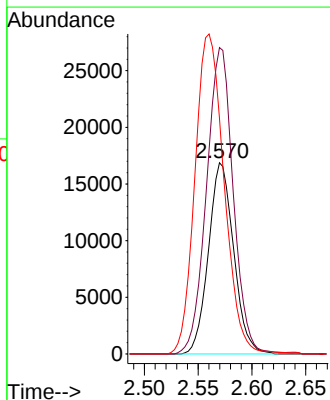
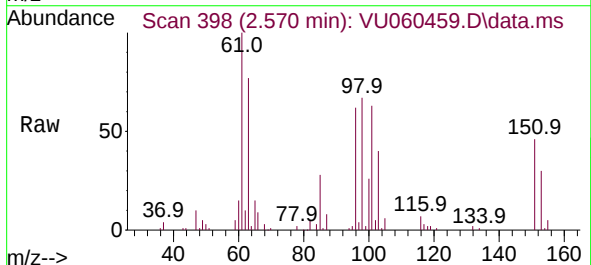
Instrument :  
MSVOA\_U  
ClientSampleId :

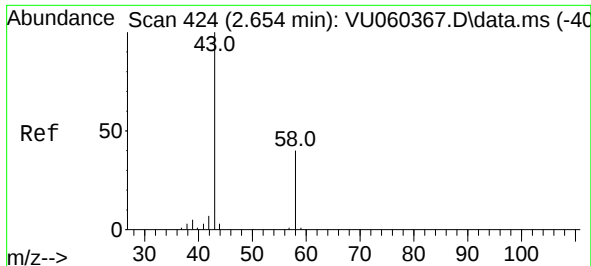
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Ion Ratio Lower Upper  
101 100  
85 43.3 33.5 50.3  
151 75.1 59.7 89.5



#12  
1,1-Dichloroethene  
Concen: 4.607 ug/L  
RT: 2.570 min Scan# 398  
Delta R.T. -0.006 min  
Lab File: VU060459.D  
Acq: 15 Aug 2024 09:28

Tgt Ion: 96 Resp: 27494  
Ion Ratio Lower Upper  
96 100  
61 160.2 114.4 212.4  
63 123.2 96.0 178.4





#13

Acetone

Concen: 55.537 ug/L

RT: 2.647 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU060459.D

Acq: 15 Aug 2024 09:28

Instrument :

MSVOA\_U

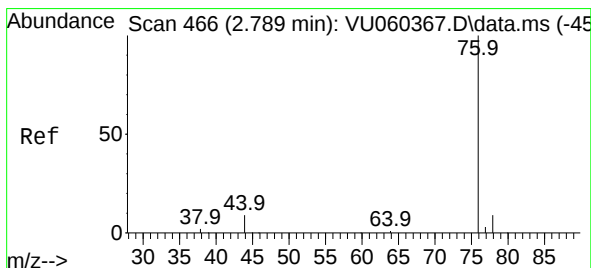
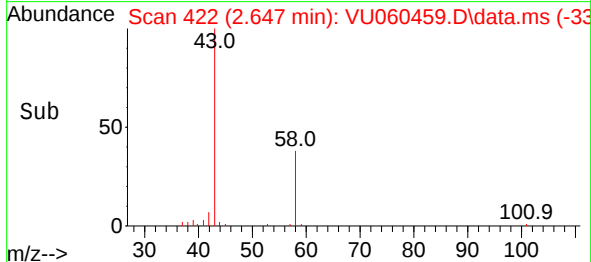
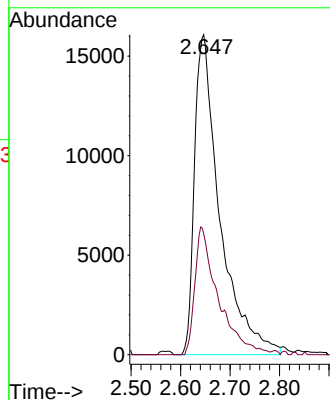
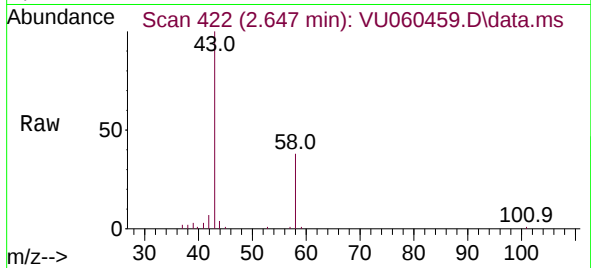
ClientSampleId :

Tgt Ion: 43 Resp: 57182

Ion Ratio Lower Upper

43 100

58 36.8 0.0 78.8



#14

Carbon disulfide

Concen: 4.028 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.003 min

Lab File: VU060459.D

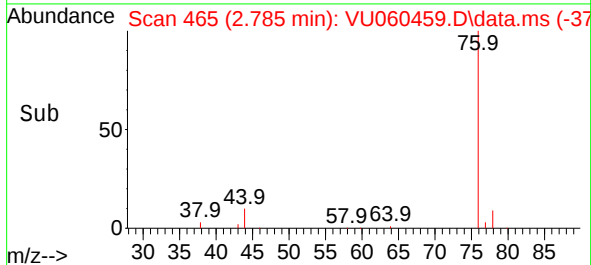
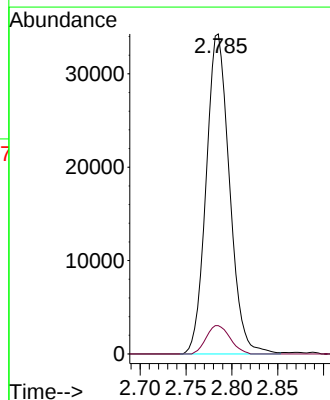
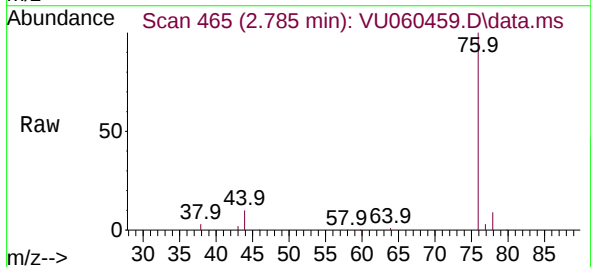
Acq: 15 Aug 2024 09:28

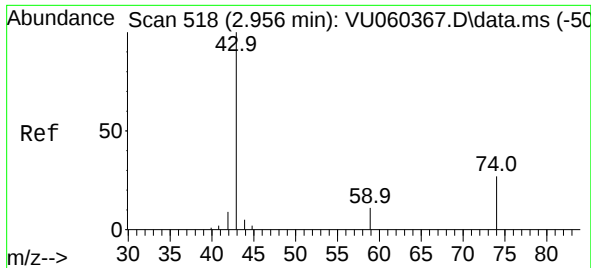
Tgt Ion: 76 Resp: 60640

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0





#15

Methyl Acetate

Concen: 5.460 ug/L

RT: 2.959 min Scan# 51

Delta R.T. 0.000 min

Lab File: VU060459.D

Acq: 15 Aug 2024 09:28

Instrument :

MSVOA\_U

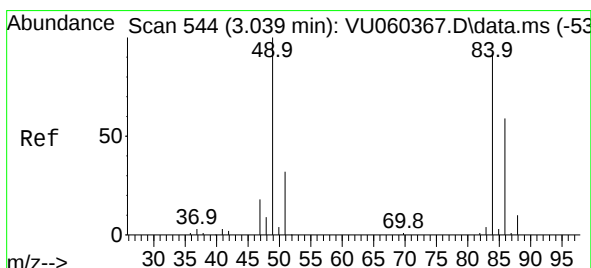
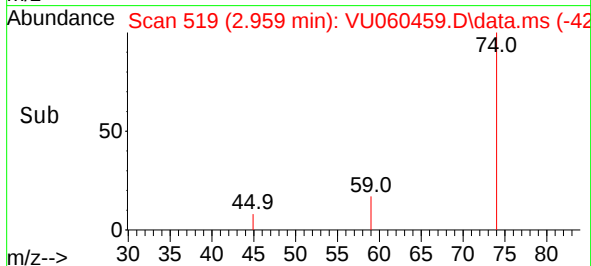
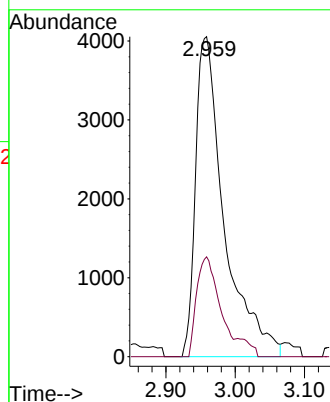
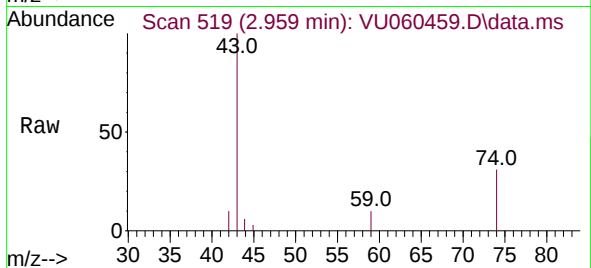
ClientSampleId :

Tgt Ion: 43 Resp: 11648

Ion Ratio Lower Upper

43 100

74 24.8 21.3 31.9



#16

Methylene chloride

Concen: 4.178 ug/L

RT: 3.036 min Scan# 543

Delta R.T. -0.003 min

Lab File: VU060459.D

Acq: 15 Aug 2024 09:28

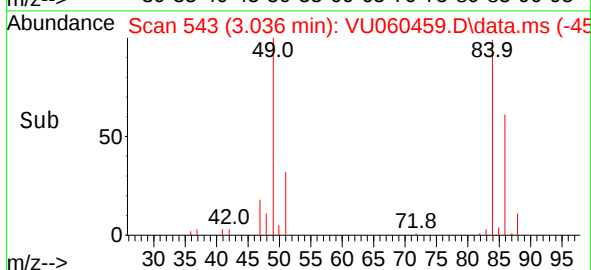
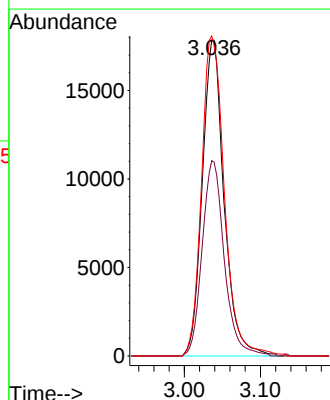
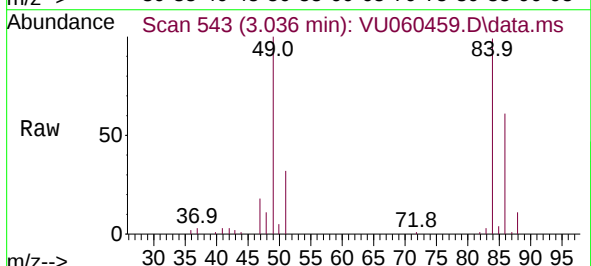
Tgt Ion: 84 Resp: 35444

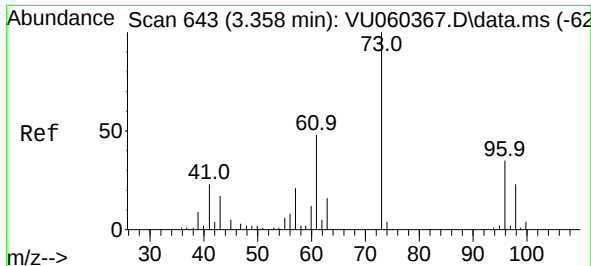
Ion Ratio Lower Upper

84 100

86 61.8 47.1 87.5

49 101.2 73.9 137.3





#17

Methyl tert-butyl Ether

Concen: 4.878 ug/L

RT: 3.357 min Scan# 643

Delta R.T. 0.000 min

Lab File: VU060459.D

Acq: 15 Aug 2024 09:28

Instrument :

MSVOA\_U

ClientSampleId :

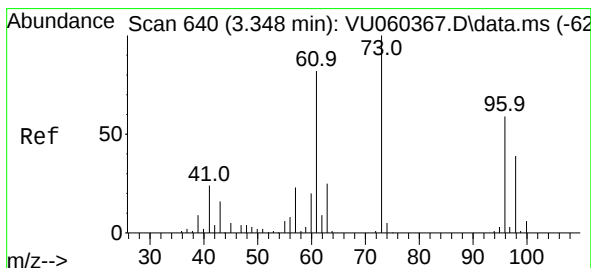
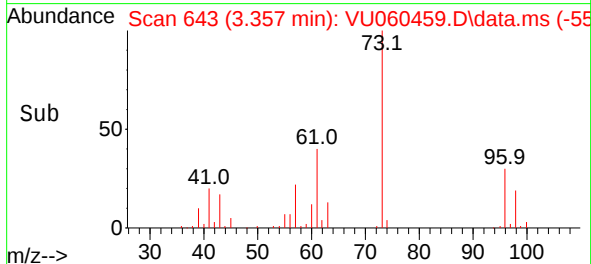
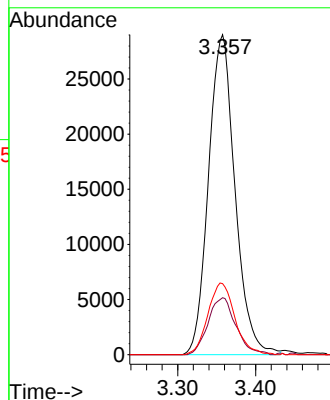
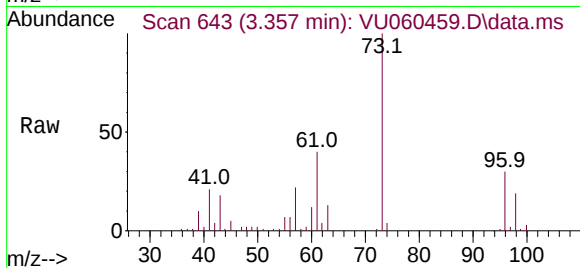
Tgt Ion: 73 Resp: 68632

Ion Ratio Lower Upper

73 100

43 18.6 12.8 19.2

57 22.8 17.5 26.3



#18

trans-1,2-Dichloroethene

Concen: 4.634 ug/L

RT: 3.345 min Scan# 639

Delta R.T. -0.003 min

Lab File: VU060459.D

Acq: 15 Aug 2024 09:28

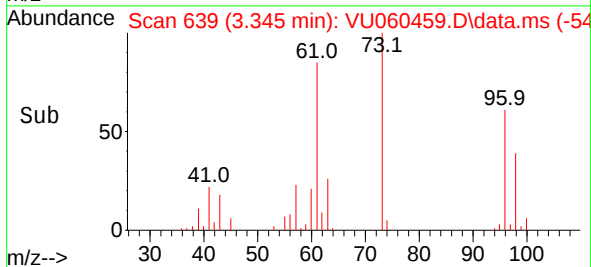
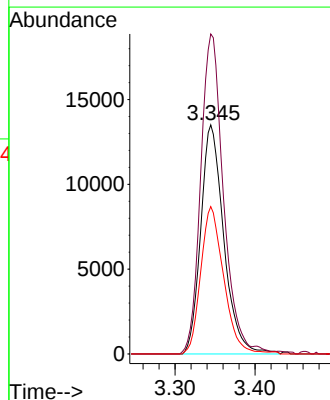
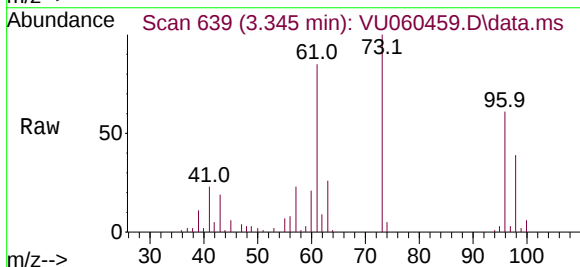
Tgt Ion: 96 Resp: 27131

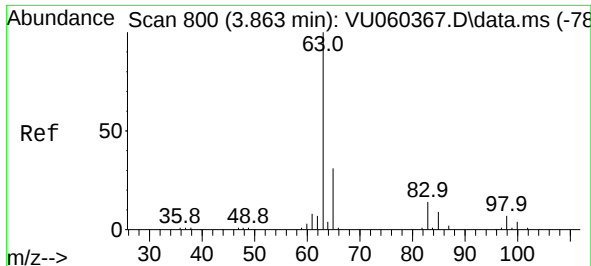
Ion Ratio Lower Upper

96 100

61 139.7 93.7 174.1

98 64.3 44.7 82.9

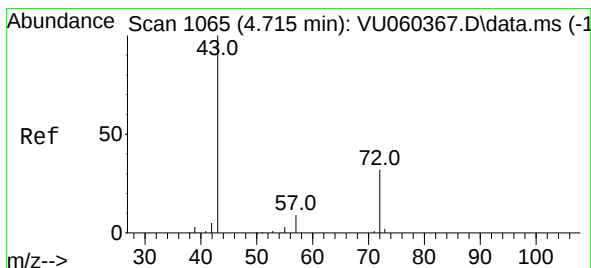
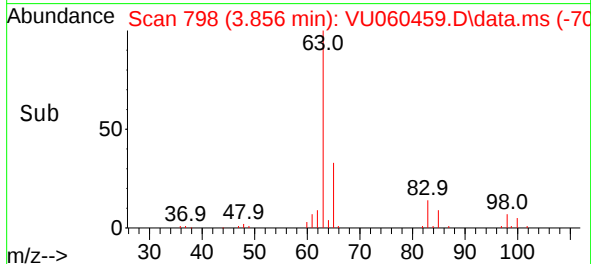
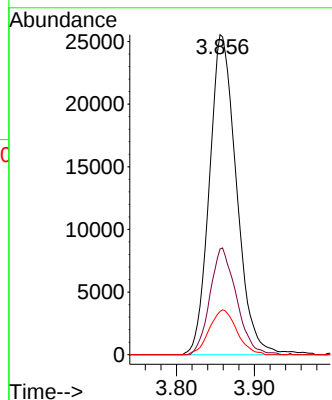
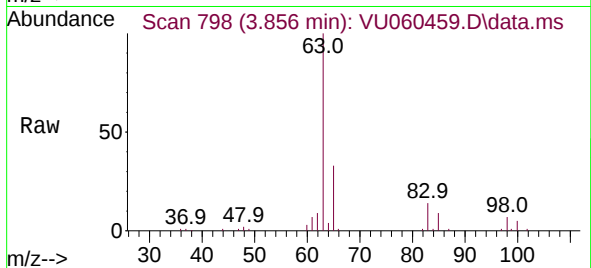




#19  
1,1-Dichloroethane  
Concen: 5.082 ug/L  
RT: 3.856 min Scan# 70  
Delta R.T. -0.003 min  
Lab File: VU060459.D  
Acq: 15 Aug 2024 09:28

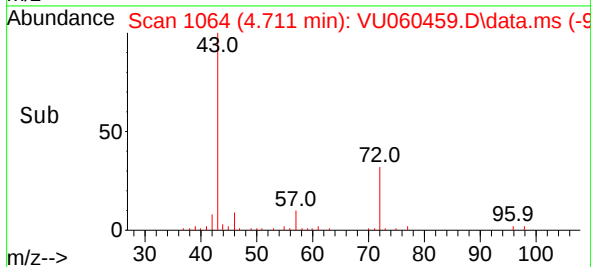
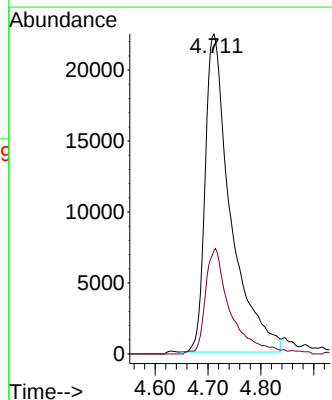
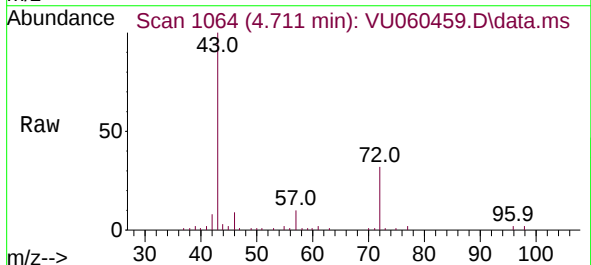
Instrument :  
MSVOA\_U  
ClientSampleId :

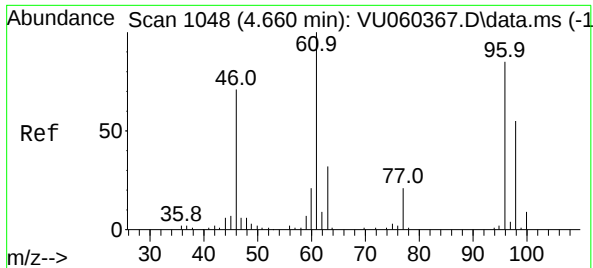
Tgt Ion: 63 Resp: 61427  
Ion Ratio Lower Upper  
63 100  
65 33.0 22.2 41.2  
83 13.5 9.1 16.9



#21  
2-Butanone  
Concen: 48.784 ug/L  
RT: 4.711 min Scan# 1064  
Delta R.T. -0.003 min  
Lab File: VU060459.D  
Acq: 15 Aug 2024 09:28

Tgt Ion: 43 Resp: 74864  
Ion Ratio Lower Upper  
43 100  
72 32.2 15.9 47.6

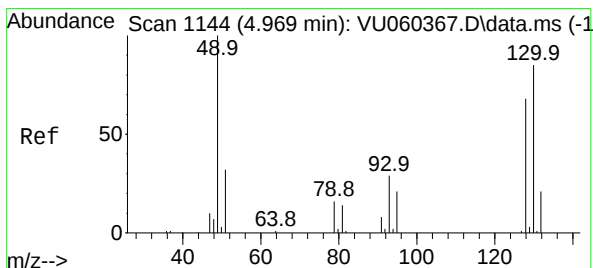
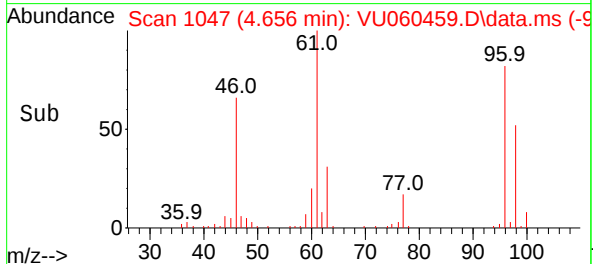
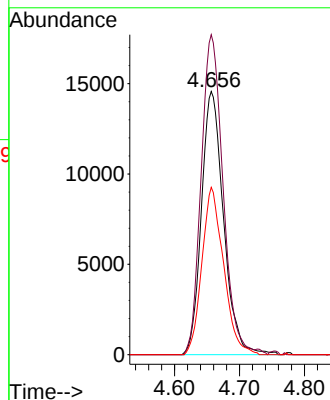
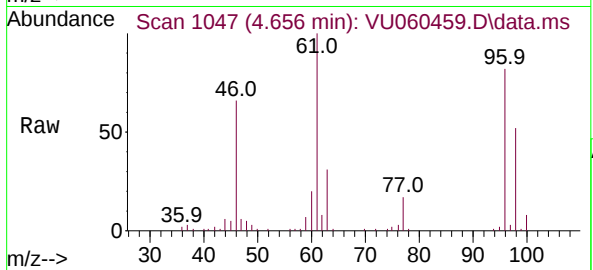




#22  
 cis-1,2-Dichloroethene  
 Concen: 4.892 ug/L  
 RT: 4.656 min Scan# 1047  
 Delta R.T. -0.003 min  
 Lab File: VU060459.D  
 Acq: 15 Aug 2024 09:28

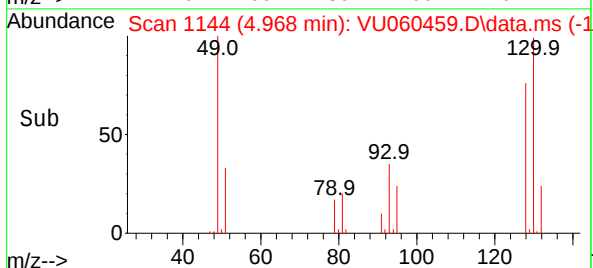
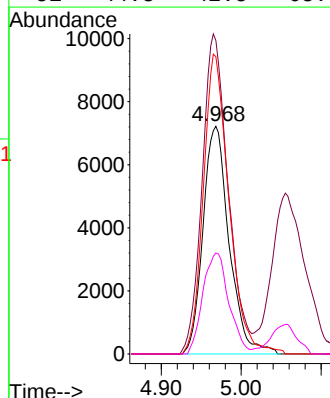
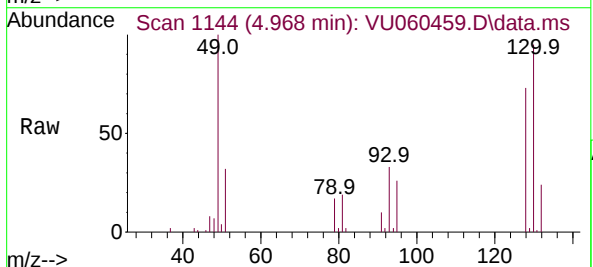
Instrument :  
 MSVOA\_U  
 ClientSampleId :

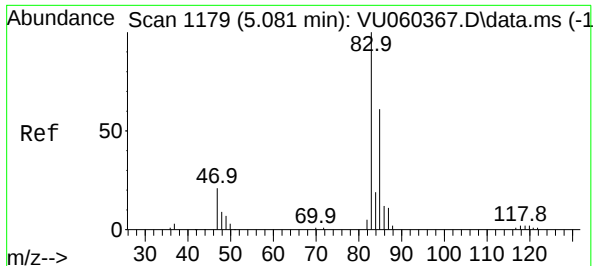
Tgt Ion: 96 Resp: 34575  
 Ion Ratio Lower Upper  
 96 100  
 61 121.6 81.5 151.5  
 98 63.6 43.5 80.7



#23  
 Bromochloromethane  
 Concen: 5.029 ug/L  
 RT: 4.968 min Scan# 1144  
 Delta R.T. 0.000 min  
 Lab File: VU060459.D  
 Acq: 15 Aug 2024 09:28

Tgt Ion:128 Resp: 16404  
 Ion Ratio Lower Upper  
 128 100  
 49 137.6 101.0 187.6  
 130 130.5 92.7 172.1  
 51 44.3 42.5 63.7





#25

Chloroform

Concen: 5.175 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. -0.003 min

Lab File: VU060459.D

Acq: 15 Aug 2024 09:28

Instrument :

MSVOA\_U

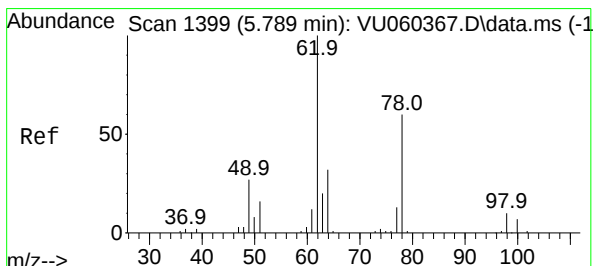
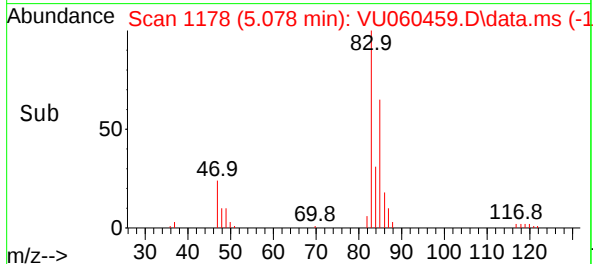
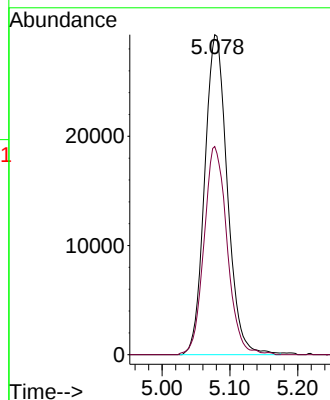
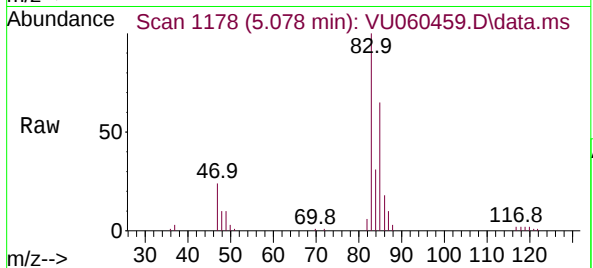
ClientSampleId :

Tgt Ion: 83 Resp: 68045

Ion Ratio Lower Upper

83 100

85 65.1 45.6 84.6



#27

1,2-Dichloroethane

Concen: 5.429 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. -0.003 min

Lab File: VU060459.D

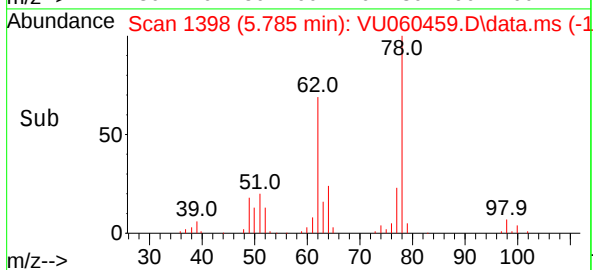
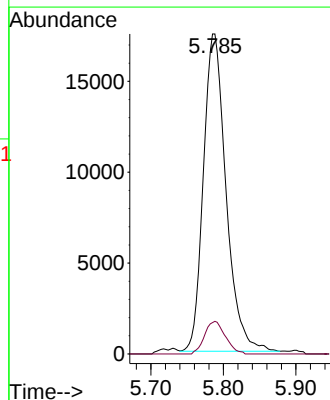
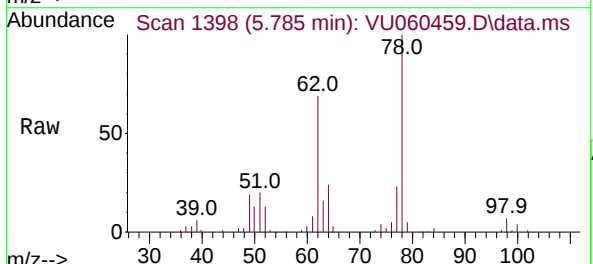
Acq: 15 Aug 2024 09:28

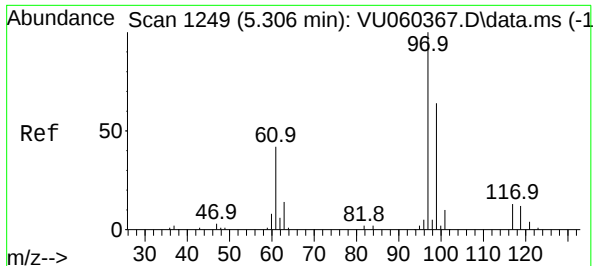
Tgt Ion: 62 Resp: 37971

Ion Ratio Lower Upper

62 100

98 9.8 9.0 13.6

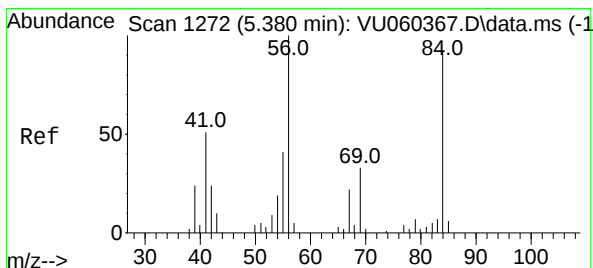
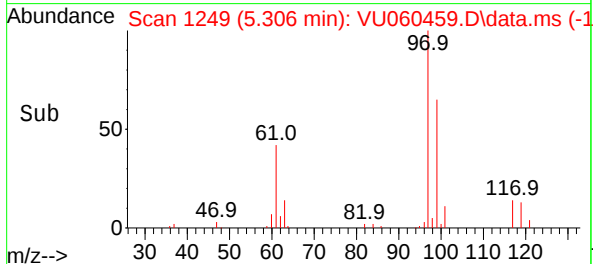
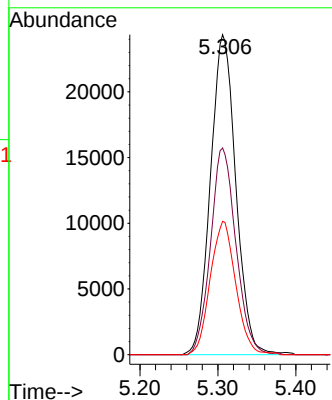
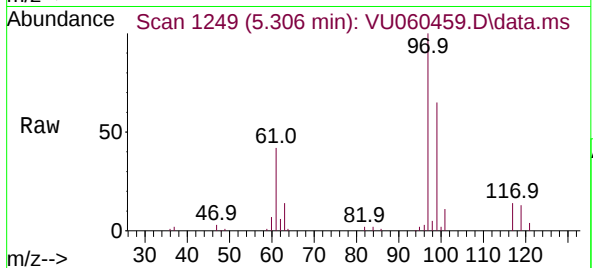




#29  
1,1,1-Trichloroethane  
Concen: 5.438 ug/L  
RT: 5.306 min Scan# 1249  
Delta R.T. 0.000 min  
Lab File: VU060459.D  
Acq: 15 Aug 2024 09:28

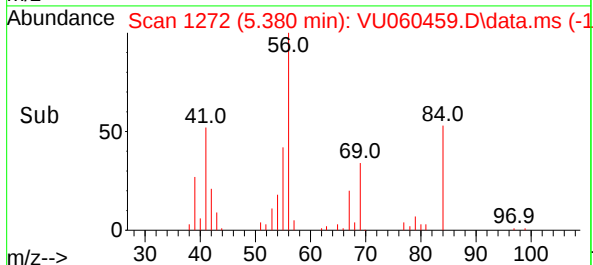
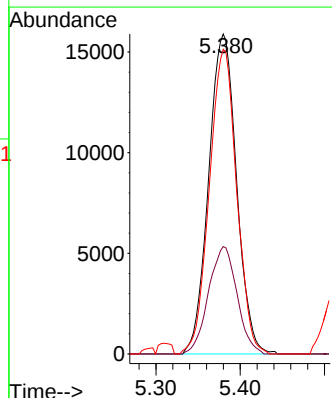
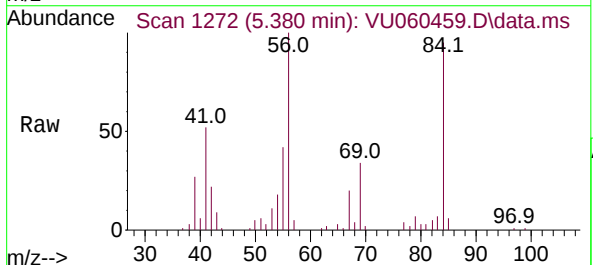
Instrument :  
MSVOA\_U  
ClientSampleId :

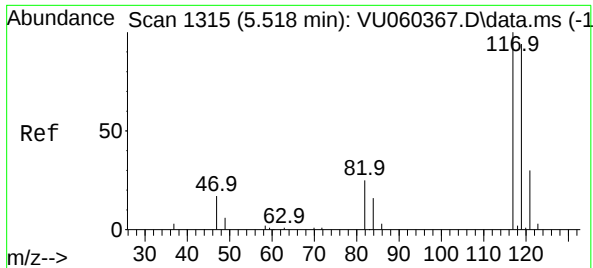
Tgt Ion: 97 Resp: 55057  
Ion Ratio Lower Upper  
97 100  
99 64.7 51.4 77.2  
61 41.8 33.0 49.6



#30  
Cyclohexane  
Concen: 4.459 ug/L  
RT: 5.380 min Scan# 1272  
Delta R.T. 0.000 min  
Lab File: VU060459.D  
Acq: 15 Aug 2024 09:28

Tgt Ion: 56 Resp: 36545  
Ion Ratio Lower Upper  
56 100  
69 34.3 24.7 37.1  
84 93.1 70.7 106.1

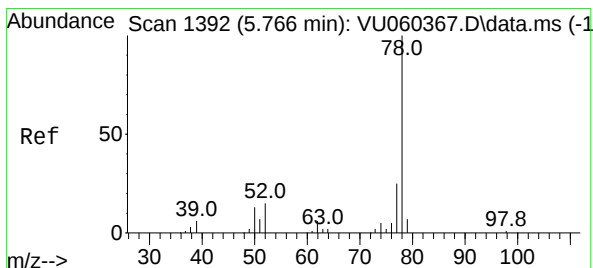
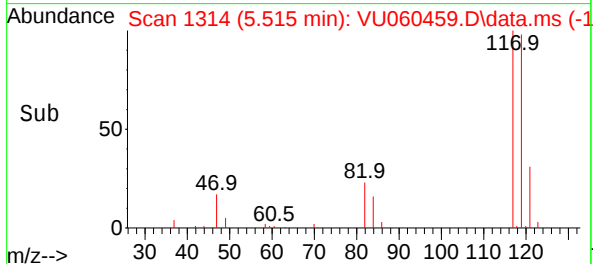
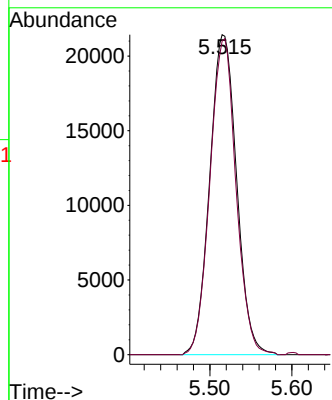
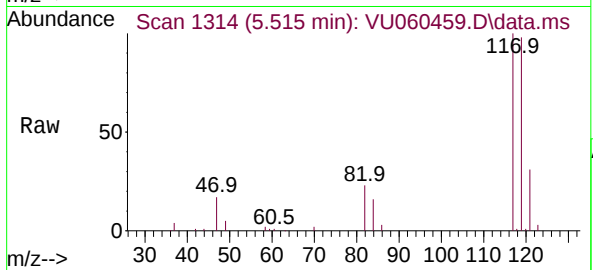




#31  
Carbon tetrachloride  
Concen: 5.502 ug/L  
RT: 5.515 min Scan# 1315  
Delta R.T. -0.003 min  
Lab File: VU060459.D  
Acq: 15 Aug 2024 09:28

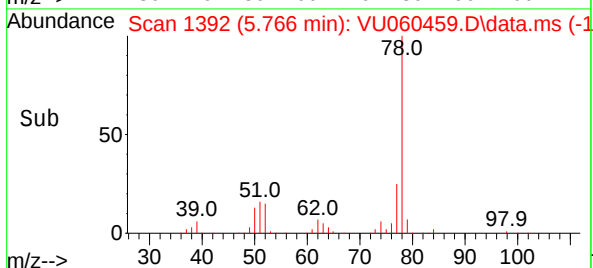
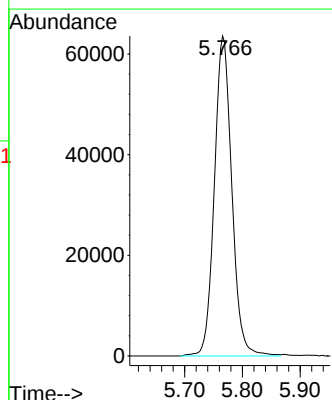
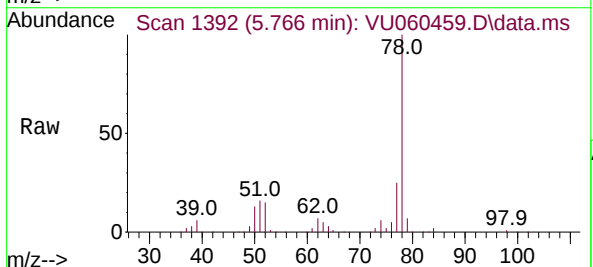
Instrument :  
MSVOA\_U  
ClientSampleId :

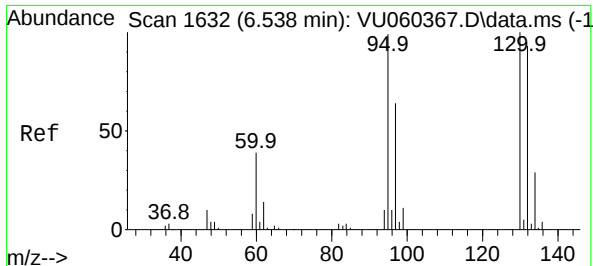
Tgt Ion:117 Resp: 48819  
Ion Ratio Lower Upper  
117 100  
119 95.8 75.8 113.8



#33  
Benzene  
Concen: 5.009 ug/L  
RT: 5.766 min Scan# 1392  
Delta R.T. -0.003 min  
Lab File: VU060459.D  
Acq: 15 Aug 2024 09:28

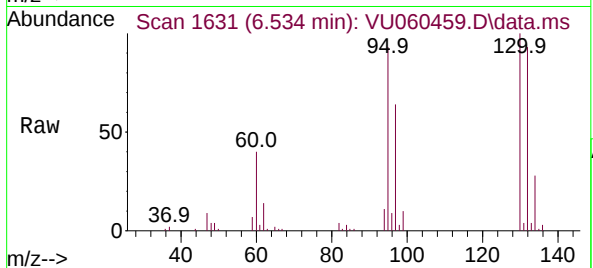
Tgt Ion: 78 Resp: 133362



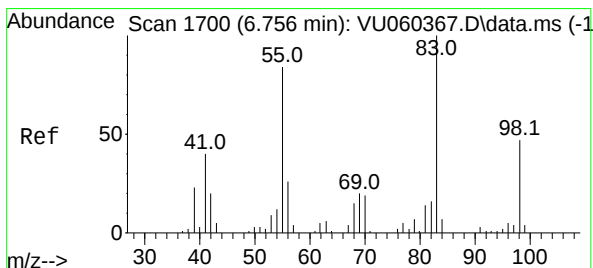
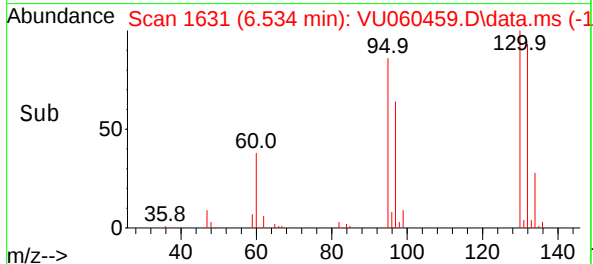
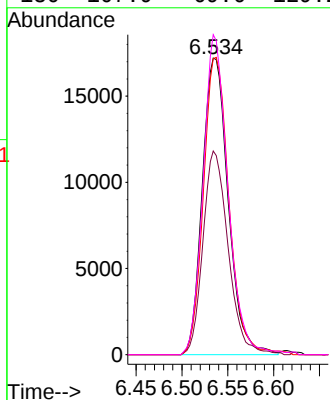


#34  
Trichloroethene  
Concen: 4.852 ug/L  
RT: 6.534 min Scan# 1  
Delta R.T. -0.003 min  
Lab File: VU060459.D  
Acq: 15 Aug 2024 09:28

Instrument :  
MSVOA\_U  
ClientSampleId :

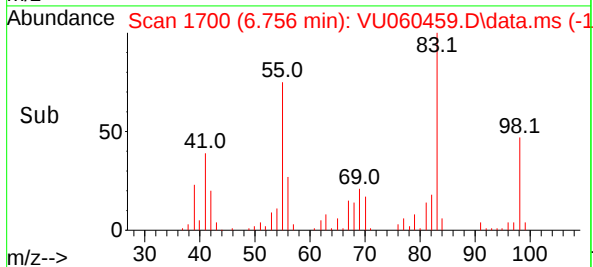
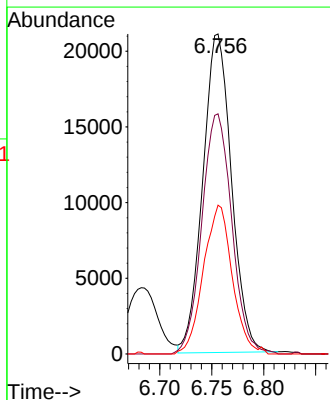
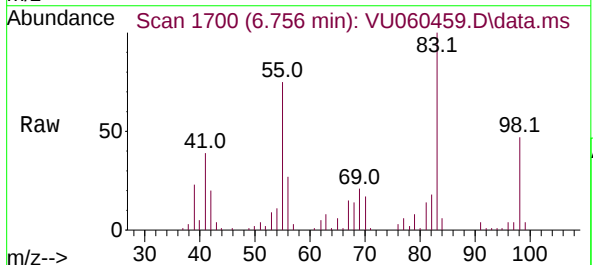


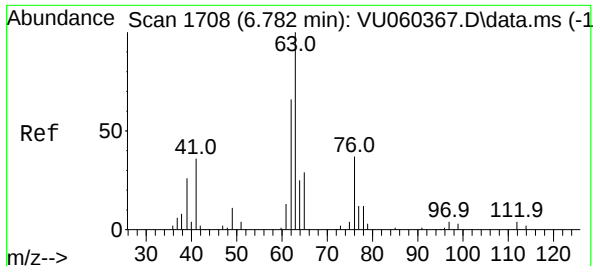
Tgt Ion: 95 Resp: 33820  
Ion Ratio Lower Upper  
95 100  
97 68.7 43.6 81.0  
132 99.8 67.1 124.5  
130 107.9 69.6 129.2



#35  
Methylcyclohexane  
Concen: 4.448 ug/L  
RT: 6.756 min Scan# 1700  
Delta R.T. 0.000 min  
Lab File: VU060459.D  
Acq: 15 Aug 2024 09:28

Tgt Ion: 83 Resp: 40484  
Ion Ratio Lower Upper  
83 100  
55 78.6 62.4 93.6  
98 47.0 37.3 55.9

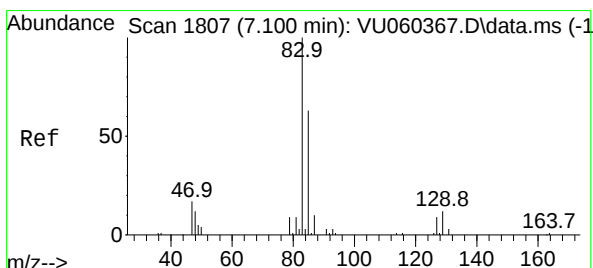
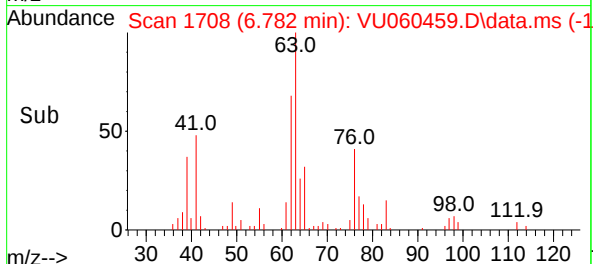
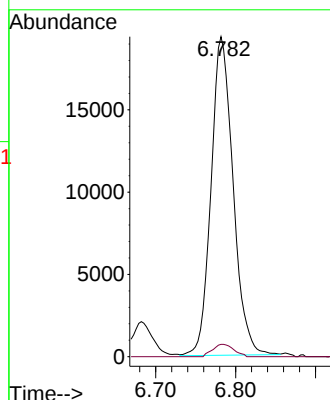
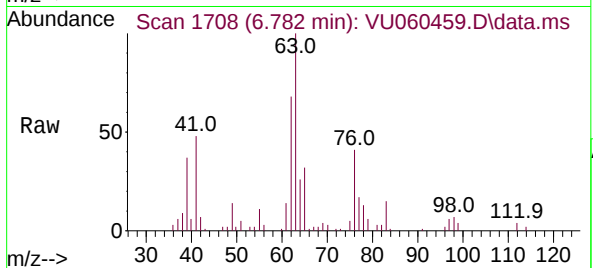




#37  
1,2-Dichloropropane  
Concen: 5.121 ug/L  
RT: 6.782 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VU060459.D  
Acq: 15 Aug 2024 09:28

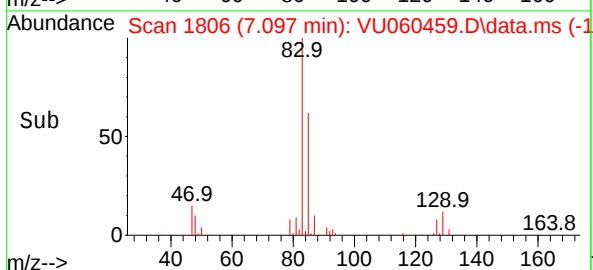
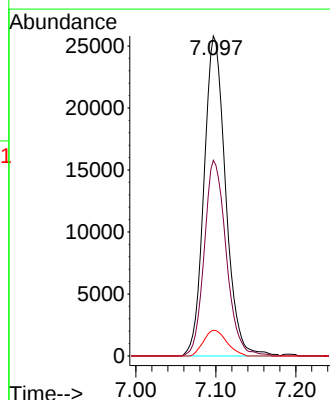
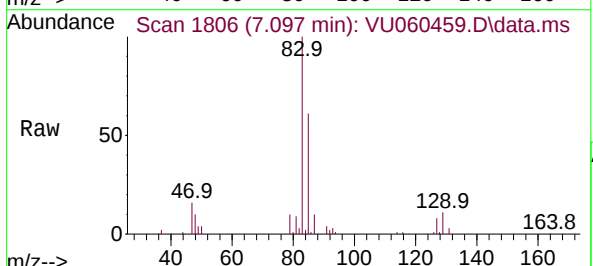
Instrument :  
MSVOA\_U  
ClientSampleId :

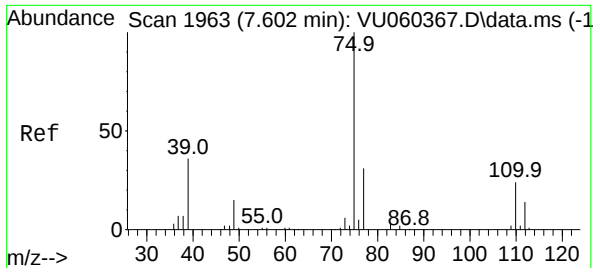
Tgt Ion: 63 Resp: 37112  
Ion Ratio Lower Upper  
63 100  
112 3.7 3.3 4.9



#38  
Bromodichloromethane  
Concen: 5.417 ug/L  
RT: 7.097 min Scan# 1806  
Delta R.T. -0.003 min  
Lab File: VU060459.D  
Acq: 15 Aug 2024 09:28

Tgt Ion: 83 Resp: 48517  
Ion Ratio Lower Upper  
83 100  
85 61.2 42.4 78.8  
127 8.0 7.0 10.4

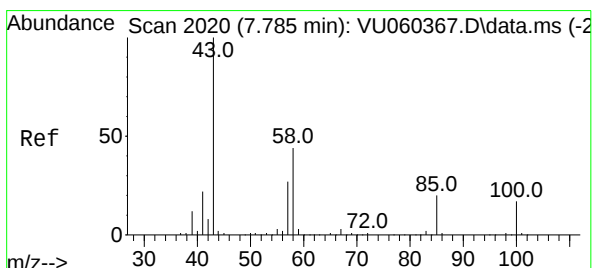
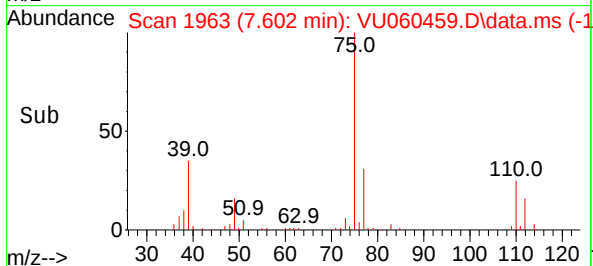
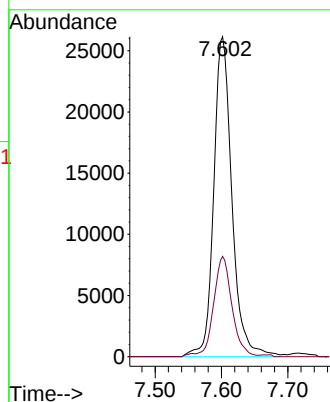
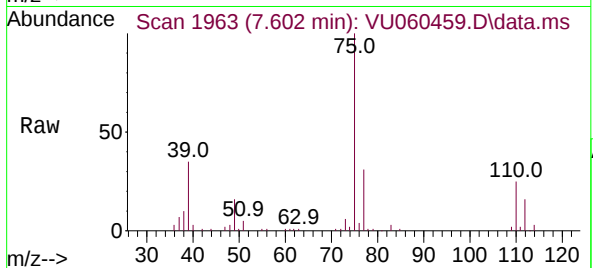




#39  
 cis-1,3-Dichloropropene  
 Concen: 5.071 ug/L  
 RT: 7.602 min Scan# 1963  
 Delta R.T. 0.000 min  
 Lab File: VU060459.D  
 Acq: 15 Aug 2024 09:28

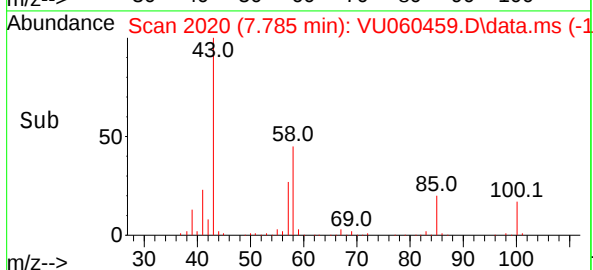
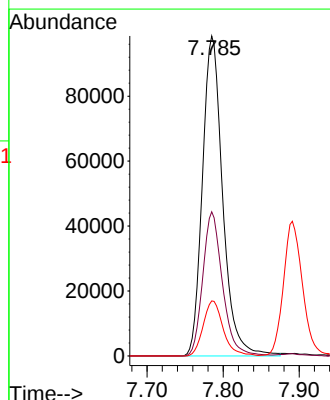
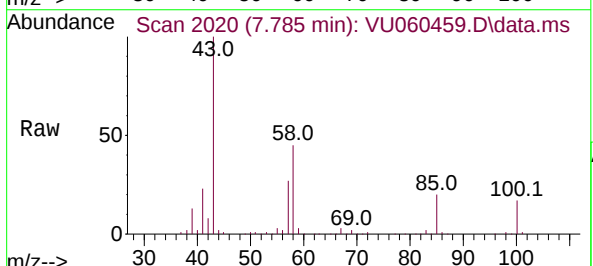
Instrument :  
 MSVOA\_U  
 ClientSampleId :

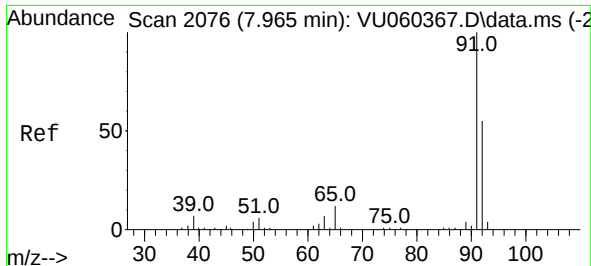
Tgt Ion: 75 Resp: 49909  
 Ion Ratio Lower Upper  
 75 100  
 77 31.3 22.5 41.9



#40  
 4-Methyl-2-pentanone  
 Concen: 54.048 ug/L  
 RT: 7.785 min Scan# 2020  
 Delta R.T. 0.000 min  
 Lab File: VU060459.D  
 Acq: 15 Aug 2024 09:28

Tgt Ion: 43 Resp: 182825  
 Ion Ratio Lower Upper  
 43 100  
 58 43.8 36.6 55.0  
 100 17.0 14.1 21.1





#42

Toluene

Concen: 5.248 ug/L

RT: 7.962 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU060459.D

Acq: 15 Aug 2024 09:28

Instrument :

MSVOA\_U

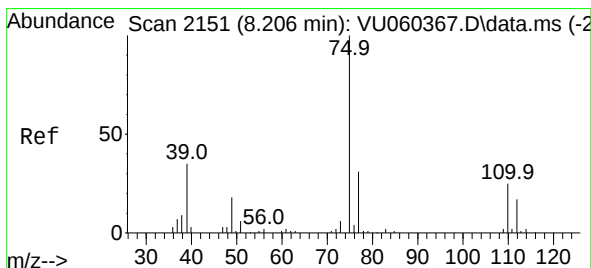
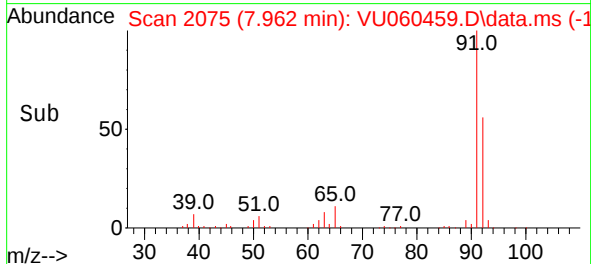
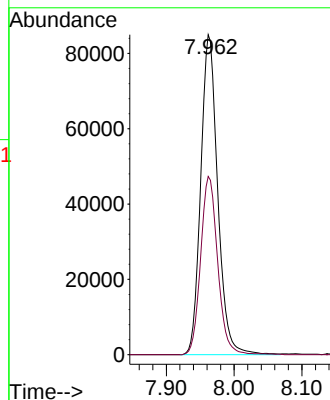
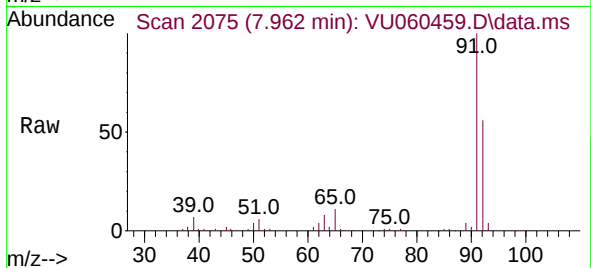
ClientSampleId :

Tgt Ion: 91 Resp: 147665

Ion Ratio Lower Upper

91 100

92 55.7 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.186 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU060459.D

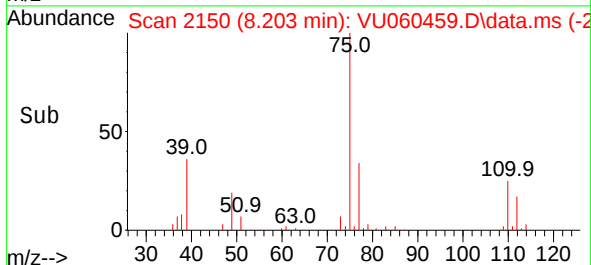
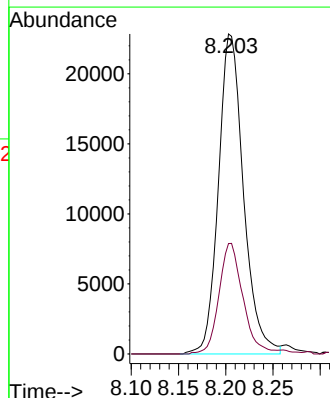
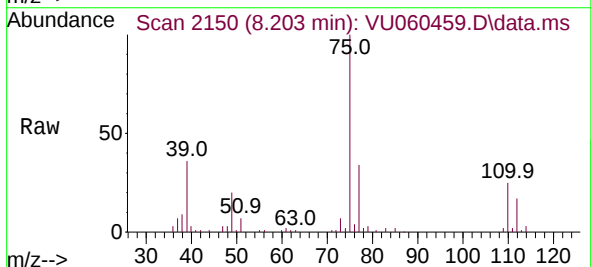
Acq: 15 Aug 2024 09:28

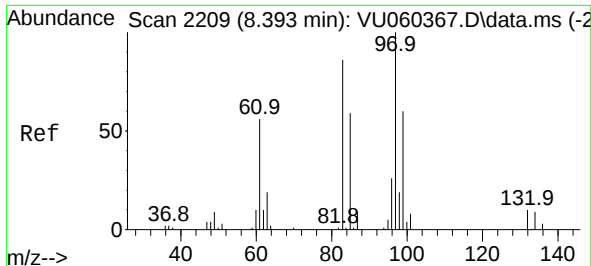
Tgt Ion: 75 Resp: 42166

Ion Ratio Lower Upper

75 100

77 34.5 25.0 46.4

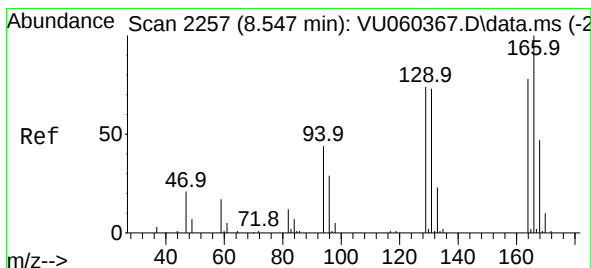
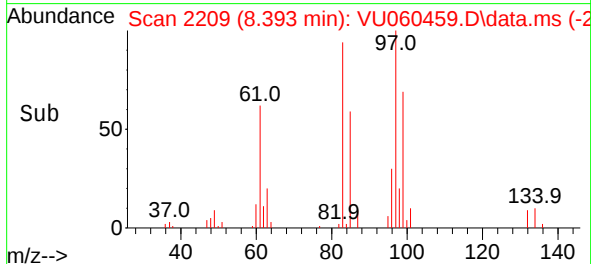
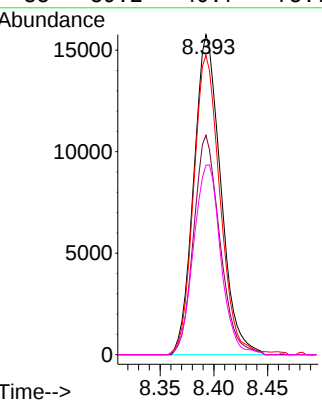
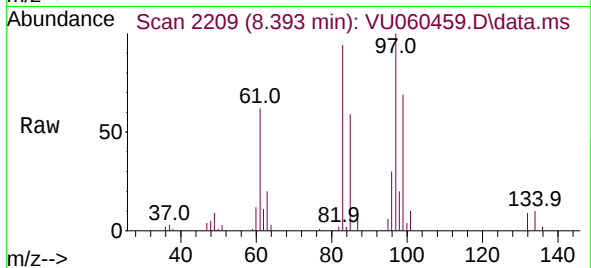




#45  
1,1,2-Trichloroethane  
Concen: 4.942 ug/L  
RT: 8.393 min Scan# 2209  
Delta R.T. 0.000 min  
Lab File: VU060459.D  
Acq: 15 Aug 2024 09:28

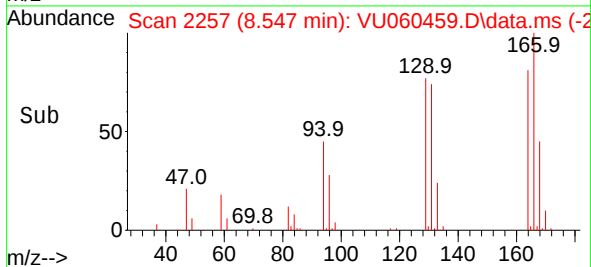
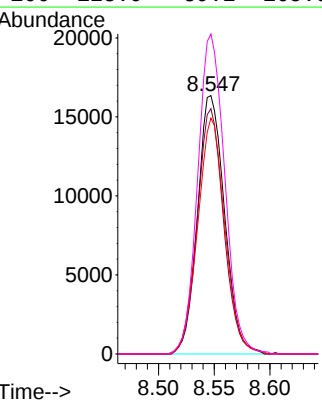
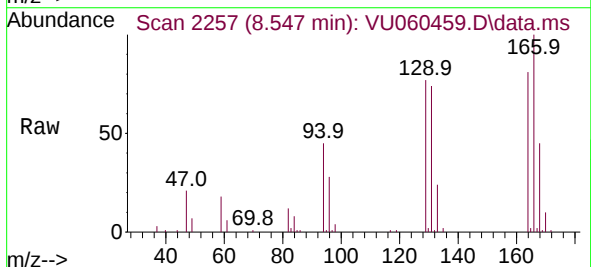
Instrument :  
MSVOA\_U  
ClientSampleId :

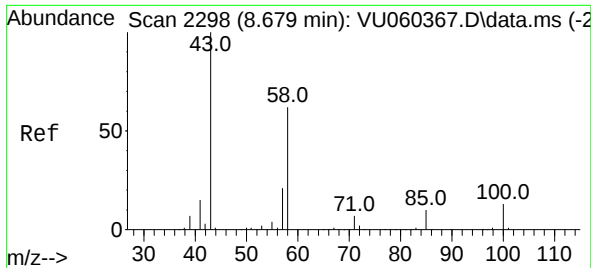
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 27426 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 68.5  | 45.8  | 85.0  |
| 83       | 93.5  | 61.7  | 114.5 |
| 85       | 59.2  | 40.7  | 75.7  |



#47  
Tetrachloroethene  
Concen: 5.056 ug/L  
RT: 8.547 min Scan# 2257  
Delta R.T. 0.000 min  
Lab File: VU060459.D  
Acq: 15 Aug 2024 09:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 27563 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 95.0  | 69.0  | 128.1 |
| 131      | 91.3  | 62.6  | 116.3 |
| 166      | 123.9 | 89.2  | 165.8 |



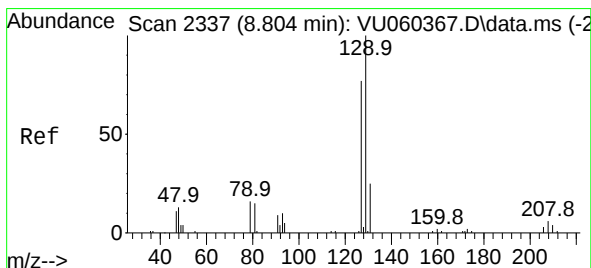
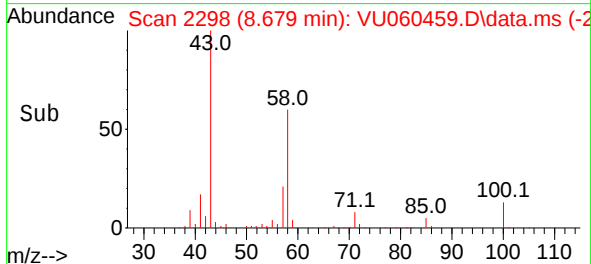
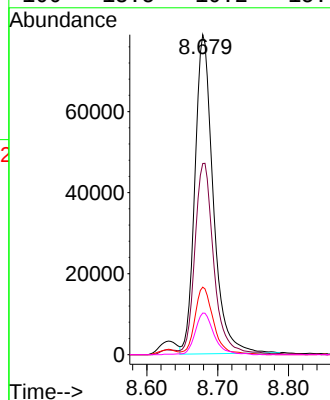
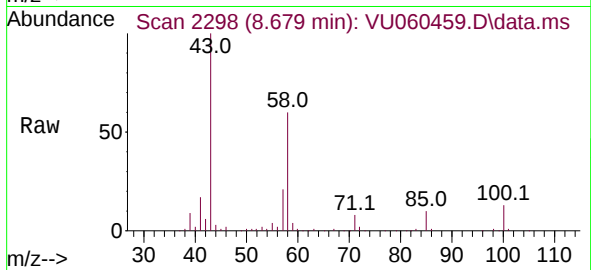


#48  
2-Hexanone  
Concen: 55.245 ug/L  
RT: 8.679 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU060459.D  
Acq: 15 Aug 2024 09:28

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 43 Resp: 141665

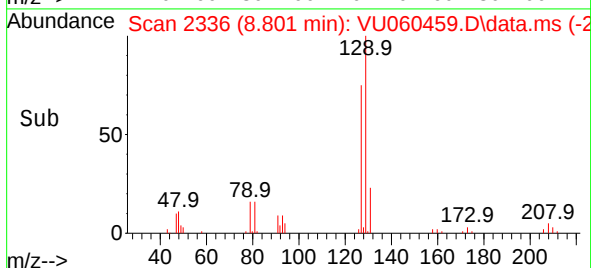
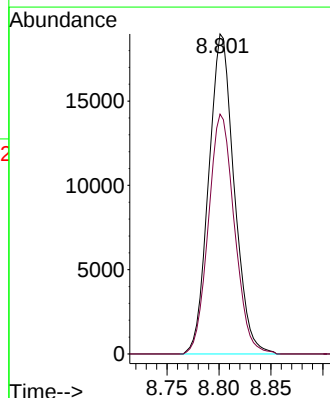
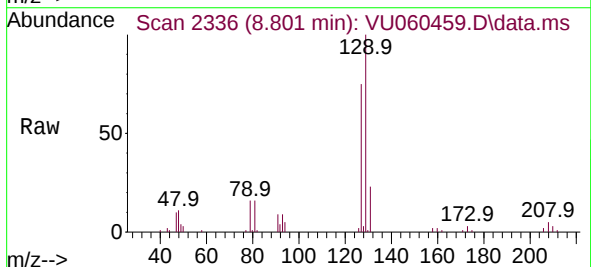
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 61.5  | 50.9  | 76.3  |
| 57  | 21.6  | 17.4  | 26.0  |
| 100 | 13.5  | 10.2  | 15.4  |

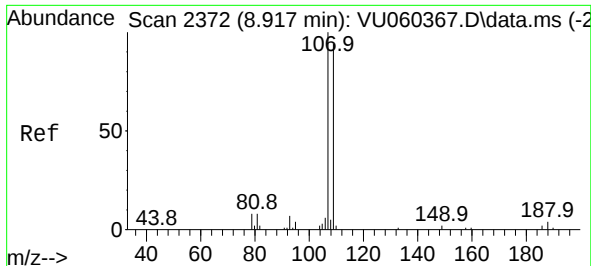


#49  
Dibromochloromethane  
Concen: 5.486 ug/L  
RT: 8.801 min Scan# 2336  
Delta R.T. 0.000 min  
Lab File: VU060459.D  
Acq: 15 Aug 2024 09:28

Tgt Ion: 129 Resp: 32376

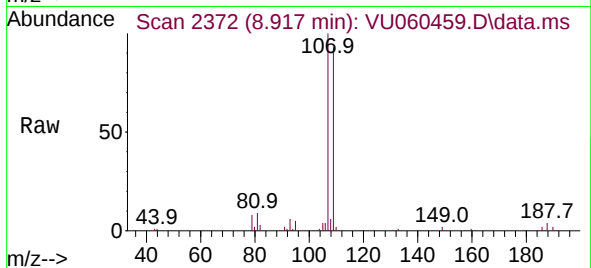
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 75.0  | 51.9  | 96.3  |



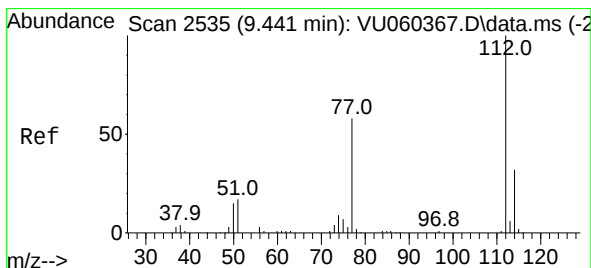
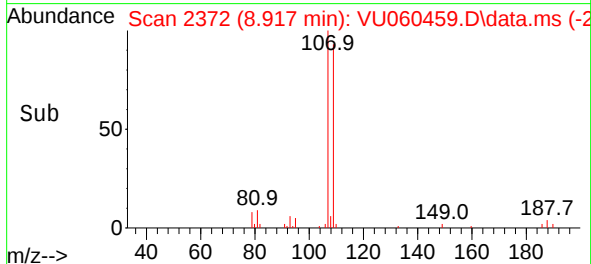
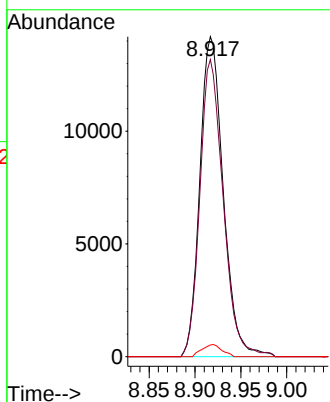


#50  
1,2-Dibromoethane  
Concen: 5.101 ug/L  
RT: 8.917 min Scan# 2372  
Delta R.T. 0.000 min  
Lab File: VU060459.D  
Acq: 15 Aug 2024 09:28

Instrument :  
MSVOA\_U  
ClientSampleId :

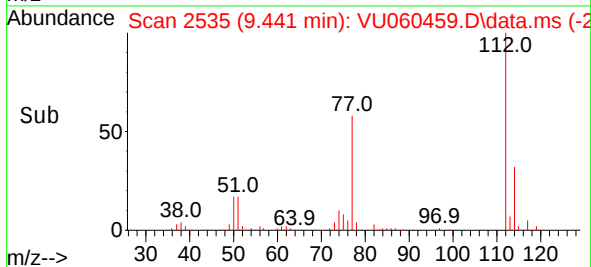
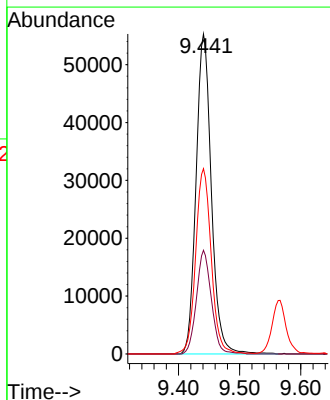
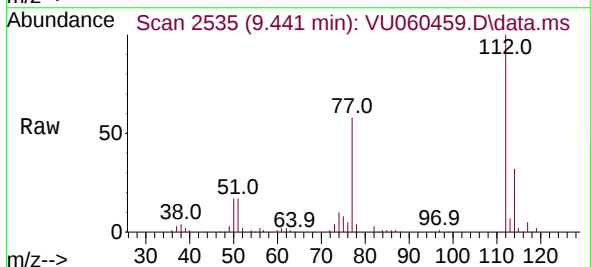


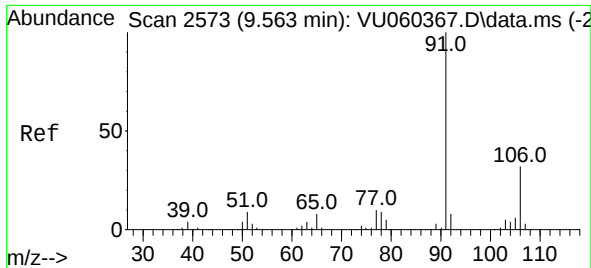
Tgt Ion:107 Resp: 25202  
Ion Ratio Lower Upper  
107 100  
109 92.9 64.8 120.3  
188 3.7 2.6 3.8



#51  
Chlorobenzene  
Concen: 5.062 ug/L  
RT: 9.441 min Scan# 2535  
Delta R.T. 0.000 min  
Lab File: VU060459.D  
Acq: 15 Aug 2024 09:28

Tgt Ion:112 Resp: 96085  
Ion Ratio Lower Upper  
112 100  
114 32.4 21.3 39.5  
77 57.9 44.6 67.0

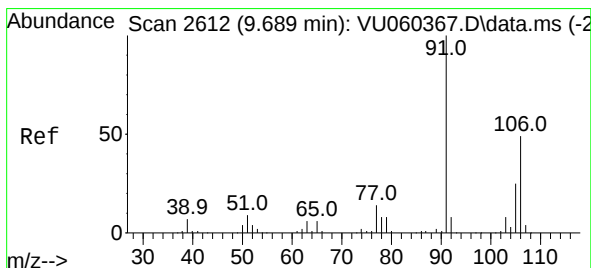
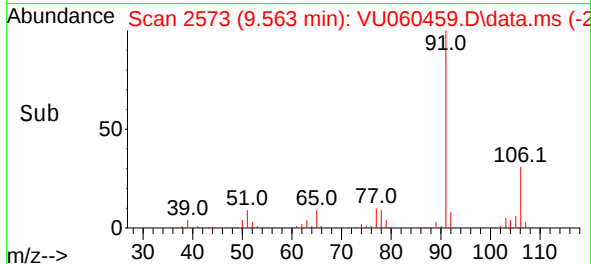
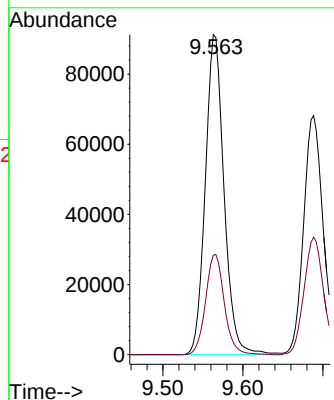
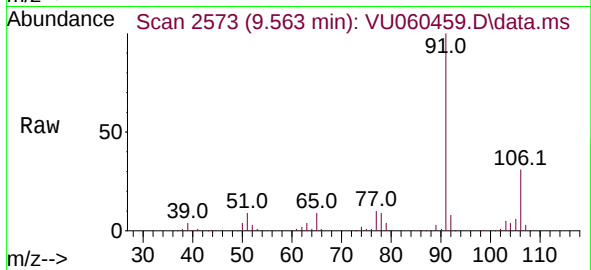




#52  
Ethylbenzene  
Concen: 5.022 ug/L  
RT: 9.563 min Scan# 2573  
Delta R.T. 0.000 min  
Lab File: VU060459.D  
Acq: 15 Aug 2024 09:28

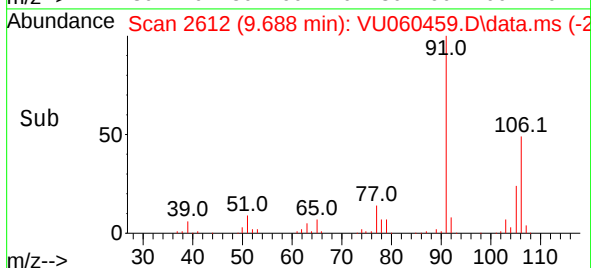
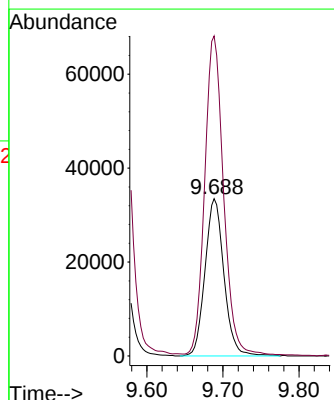
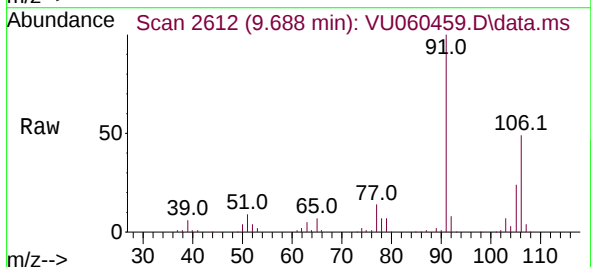
Instrument :  
MSVOA\_U  
ClientSampleId :

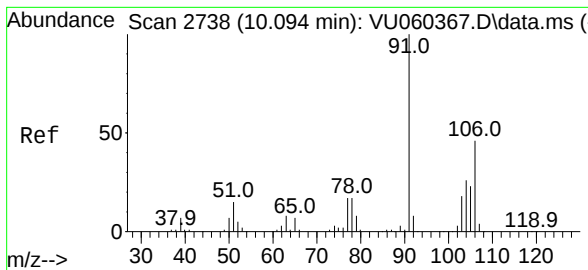
Tgt Ion: 91 Resp: 148852  
Ion Ratio Lower Upper  
91 100  
106 31.1 21.6 40.2



#53  
m,p-Xylene  
Concen: 5.143 ug/L  
RT: 9.688 min Scan# 2612  
Delta R.T. 0.000 min  
Lab File: VU060459.D  
Acq: 15 Aug 2024 09:28

Tgt Ion:106 Resp: 57944  
Ion Ratio Lower Upper  
106 100  
91 203.4 143.2 266.0

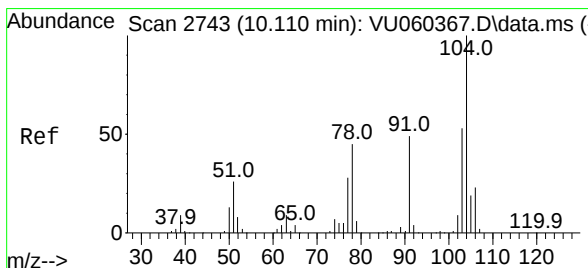
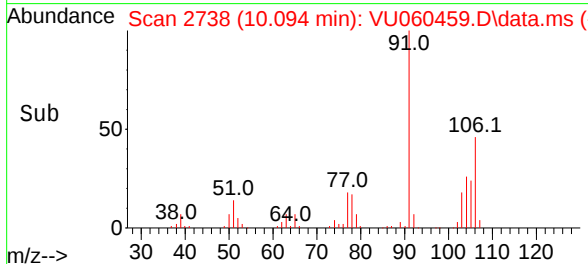
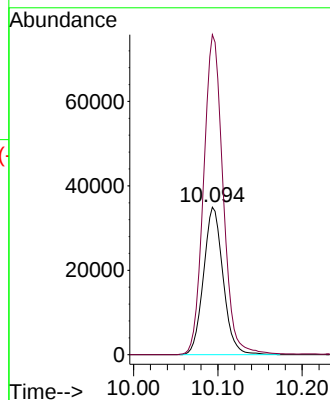
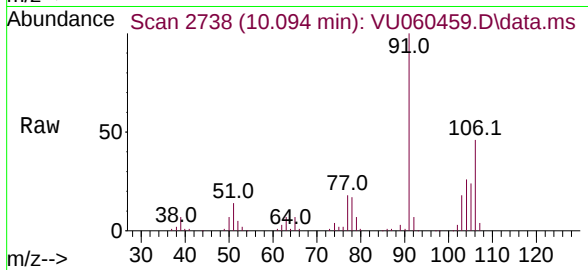




#54  
o-Xylene  
Concen: 5.248 ug/L  
RT: 10.094 min Scan# 2738  
Delta R.T. 0.000 min  
Lab File: VU060459.D  
Acq: 15 Aug 2024 09:28

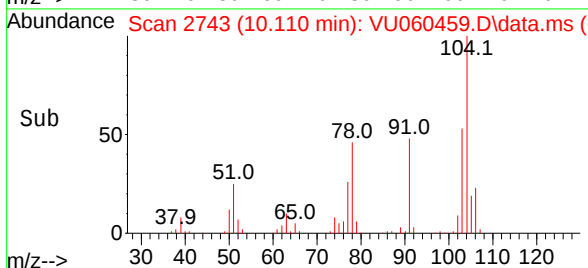
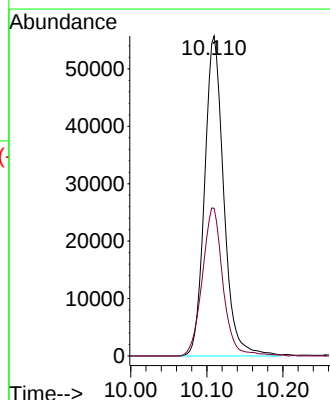
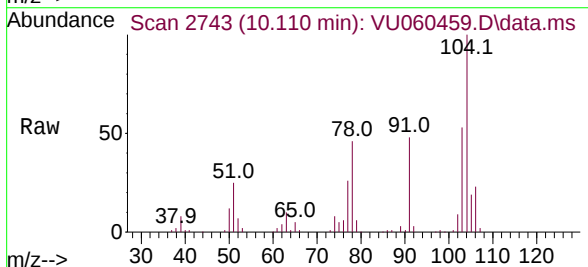
Instrument :  
MSVOA\_U  
ClientSampleId :

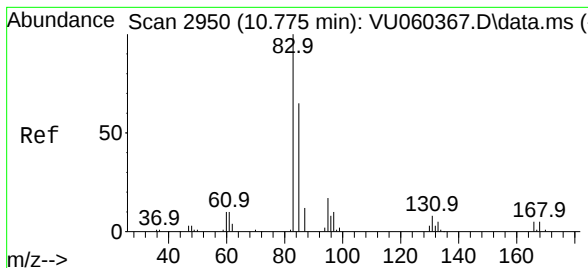
Tgt Ion:106 Resp: 56571  
Ion Ratio Lower Upper  
106 100  
91 216.8 150.2 279.0



#55  
Styrene  
Concen: 5.226 ug/L  
RT: 10.110 min Scan# 2743  
Delta R.T. 0.000 min  
Lab File: VU060459.D  
Acq: 15 Aug 2024 09:28

Tgt Ion:104 Resp: 97466  
Ion Ratio Lower Upper  
104 100  
78 46.1 32.1 59.7

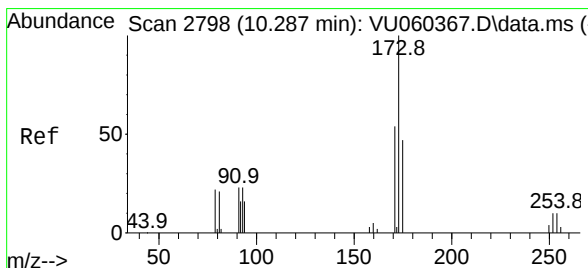
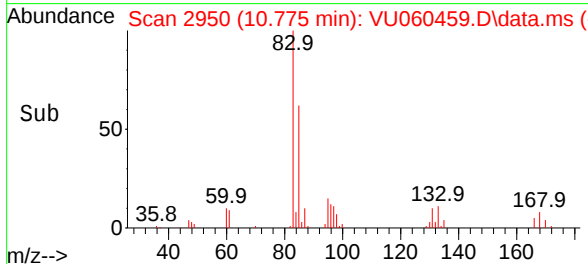
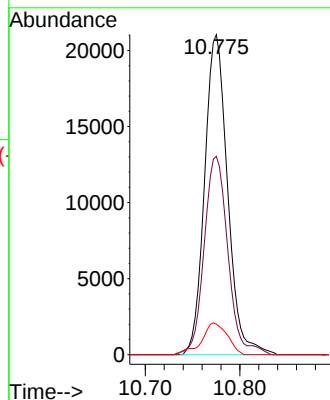
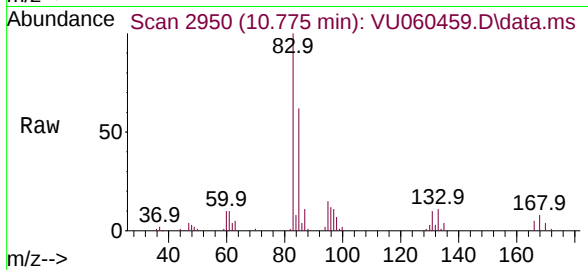




#57  
1,1,2,2-Tetrachloroethane  
Concen: 5.154 ug/L  
RT: 10.775 min Scan# 2950  
Delta R.T. 0.000 min  
Lab File: VU060459.D  
Acq: 15 Aug 2024 09:28

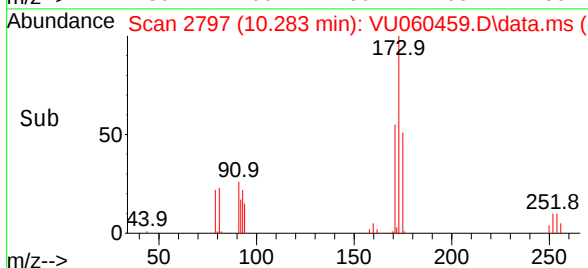
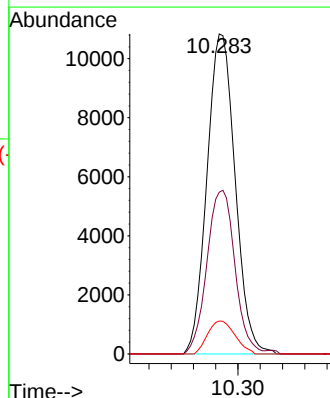
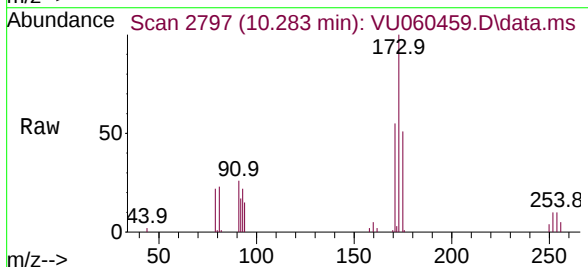
Instrument :  
MSVOA\_U  
ClientSampleId :

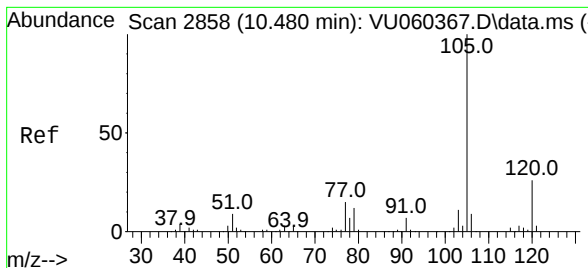
Tgt Ion: 83 Resp: 35565  
Ion Ratio Lower Upper  
83 100  
85 62.0 46.1 85.5  
131 9.6 7.6 11.4



#59  
Bromoform  
Concen: 5.068 ug/L  
RT: 10.283 min Scan# 2797  
Delta R.T. 0.000 min  
Lab File: VU060459.D  
Acq: 15 Aug 2024 09:28

Tgt Ion:173 Resp: 19035  
Ion Ratio Lower Upper  
173 100  
175 50.8 39.7 59.5  
254 10.0 8.2 12.4





#60

Isopropylbenzene

Concen: 5.062 ug/L

RT: 10.476 min Scan# 2858

Delta R.T. 0.000 min

Lab File: VU060459.D

Acq: 15 Aug 2024 09:28

Instrument :

MSVOA\_U

ClientSampleId :

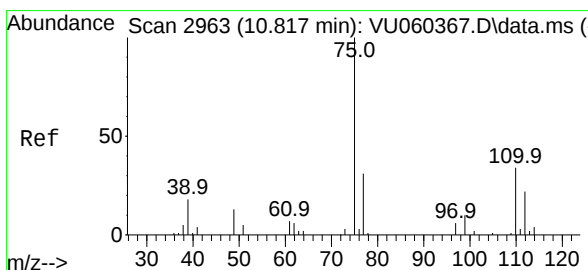
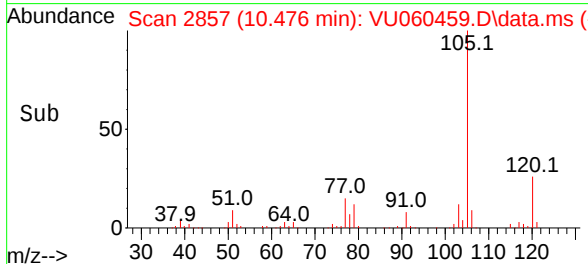
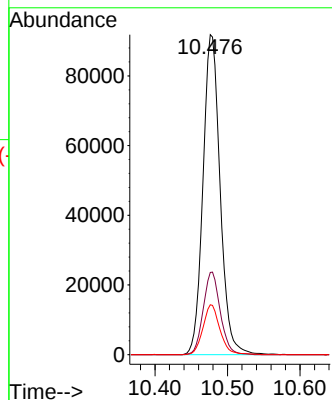
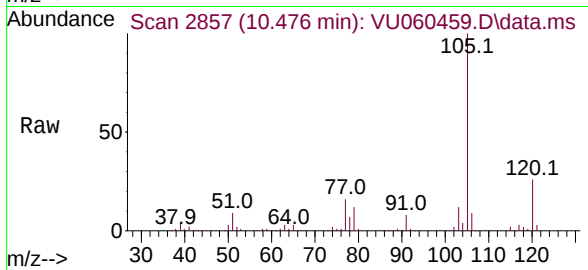
Tgt Ion:105 Resp: 151199

Ion Ratio Lower Upper

105 100

120 25.7 21.0 31.6

77 15.5 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 5.130 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. 0.003 min

Lab File: VU060459.D

Acq: 15 Aug 2024 09:28

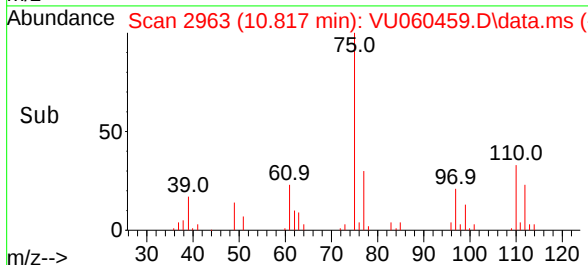
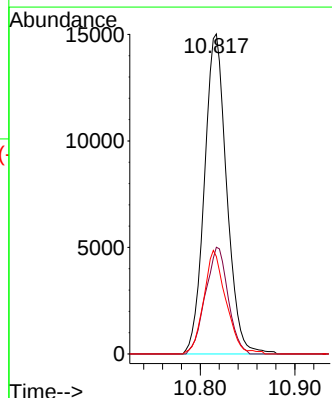
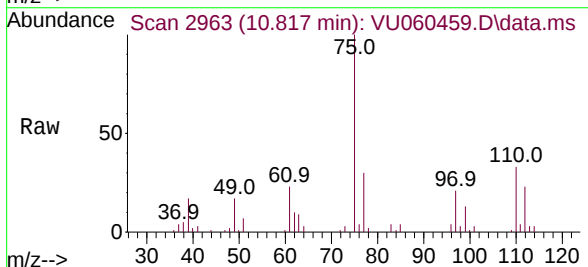
Tgt Ion: 75 Resp: 24566

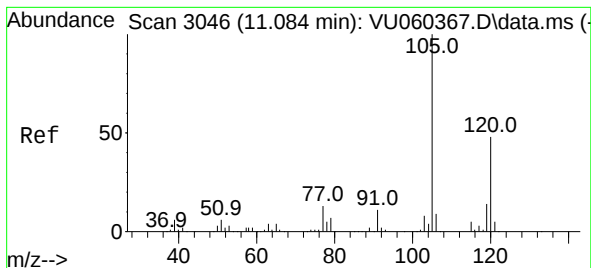
Ion Ratio Lower Upper

75 100

110 33.9 29.9 44.9

77 32.2 27.0 40.6





#62

1,3,5-Trimethylbenzene

Concen: 5.064 ug/L

RT: 11.081 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VU060459.D

Acq: 15 Aug 2024 09:28

Instrument :

MSVOA\_U

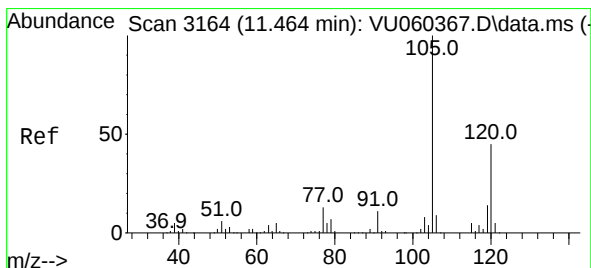
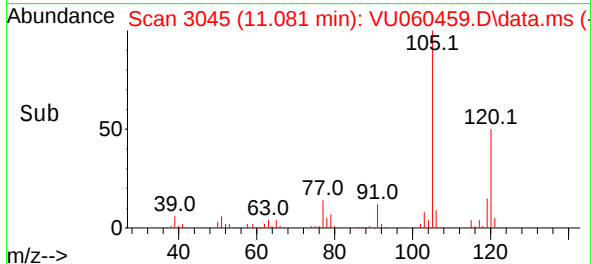
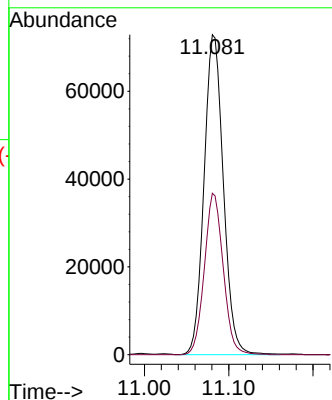
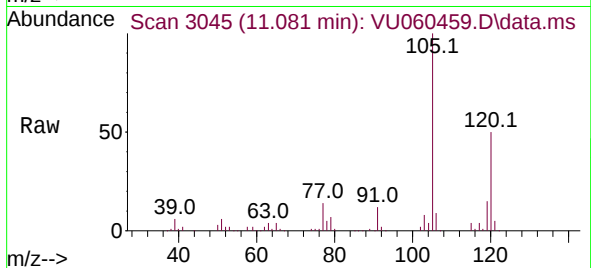
ClientSampleId :

Tgt Ion:105 Resp: 116434

Ion Ratio Lower Upper

105 100

120 49.2 39.3 58.9



#63

1,2,4-Trimethylbenzene

Concen: 5.035 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.003 min

Lab File: VU060459.D

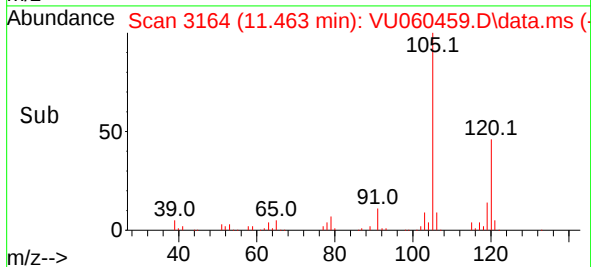
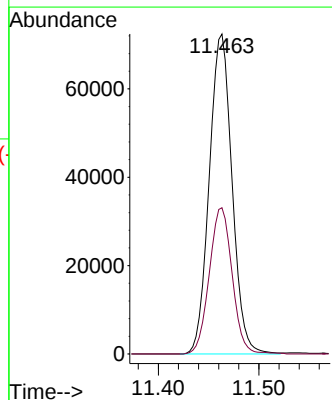
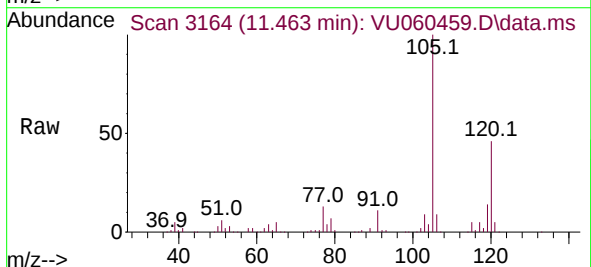
Acq: 15 Aug 2024 09:28

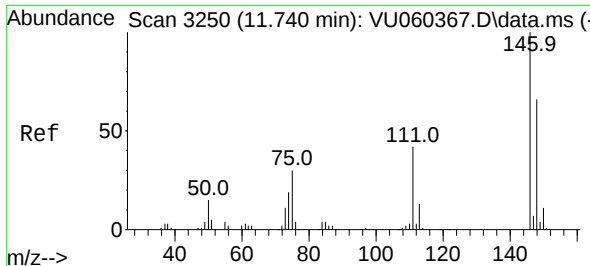
Tgt Ion:105 Resp: 114100

Ion Ratio Lower Upper

105 100

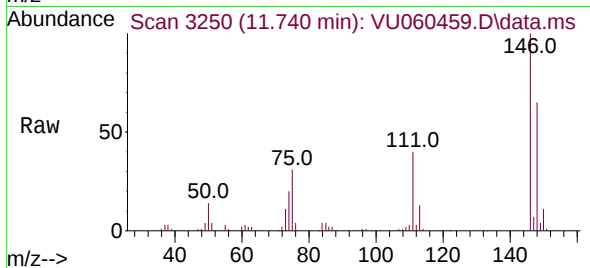
120 45.8 36.1 54.1



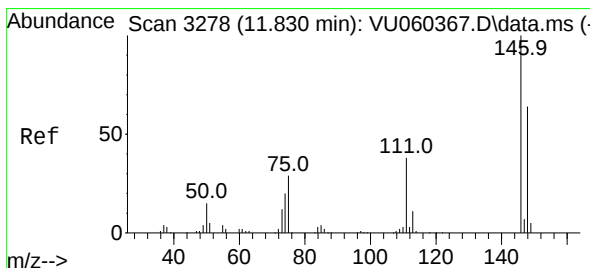
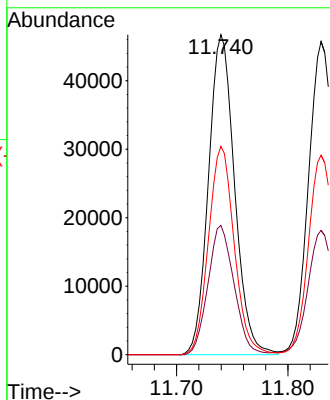
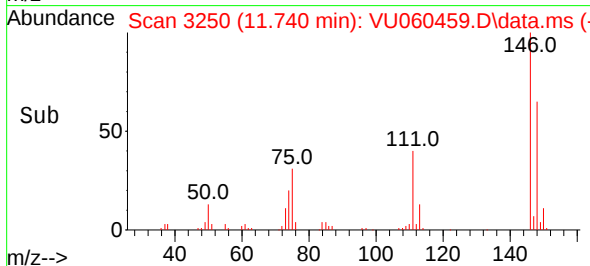


#64  
1,3-Dichlorobenzene  
Concen: 5.002 ug/L  
RT: 11.740 min Scan# 3250  
Delta R.T. 0.000 min  
Lab File: VU060459.D  
Acq: 15 Aug 2024 09:28

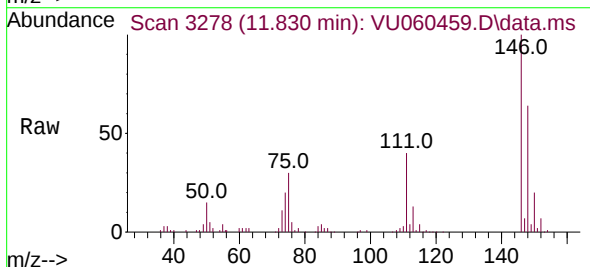
Instrument :  
MSVOA\_U  
ClientSampleId :



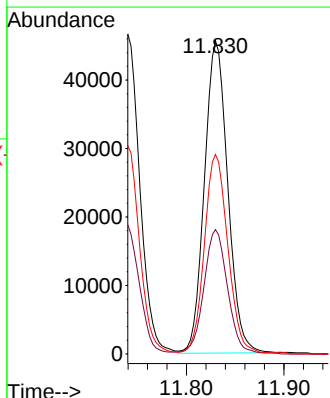
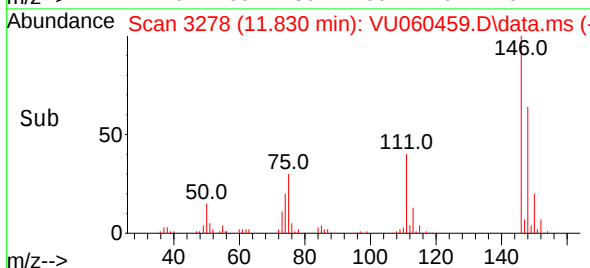
Tgt Ion:146 Resp: 76134  
Ion Ratio Lower Upper  
146 100  
111 40.4 29.2 54.2  
148 65.1 44.9 83.3

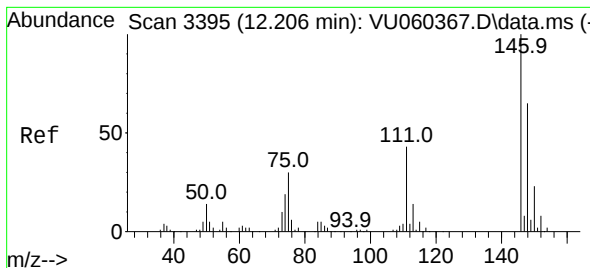


#65  
1,4-Dichlorobenzene  
Concen: 4.952 ug/L  
RT: 11.830 min Scan# 3278  
Delta R.T. 0.000 min  
Lab File: VU060459.D  
Acq: 15 Aug 2024 09:28



Tgt Ion:146 Resp: 75973  
Ion Ratio Lower Upper  
146 100  
111 39.7 25.8 48.0  
148 63.7 44.0 81.6





#67

1,2-Dichlorobenzene

Concen: 5.046 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU060459.D

Acq: 15 Aug 2024 09:28

Instrument :

MSVOA\_U

ClientSampleId :

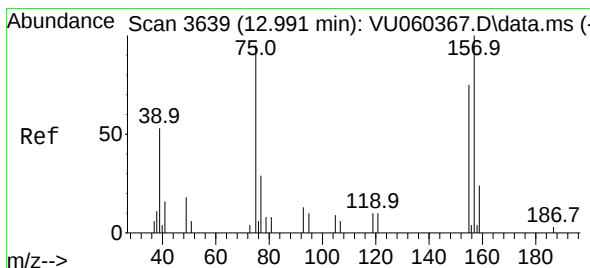
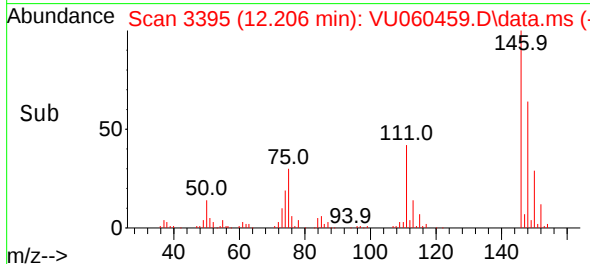
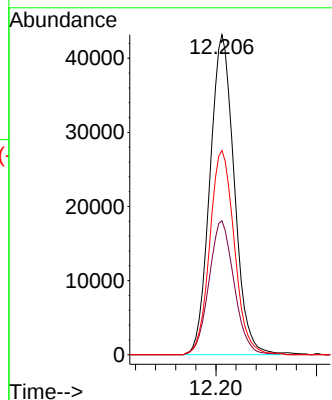
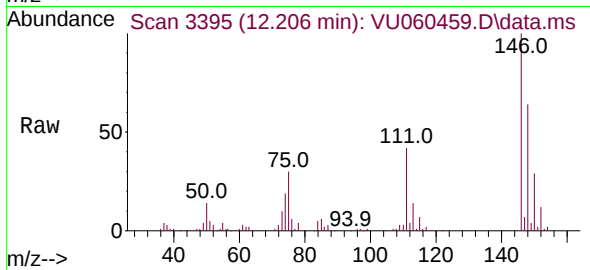
Tgt Ion:146 Resp: 72529

Ion Ratio Lower Upper

146 100

111 41.9 32.0 48.0

148 63.8 51.8 77.8



#68

1,2-Dibromo-3-chloropropane

Concen: 5.464 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU060459.D

Acq: 15 Aug 2024 09:28

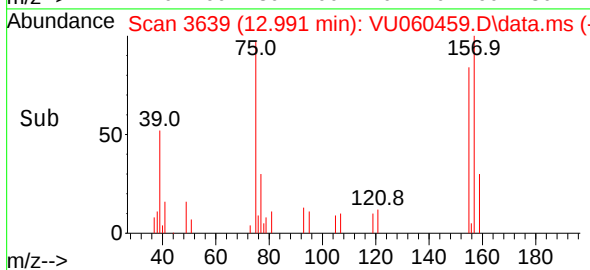
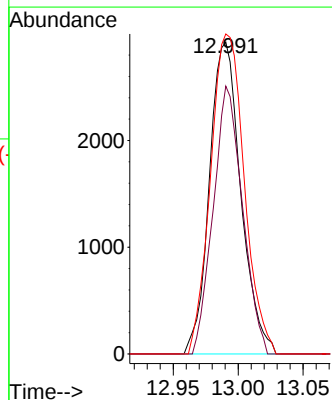
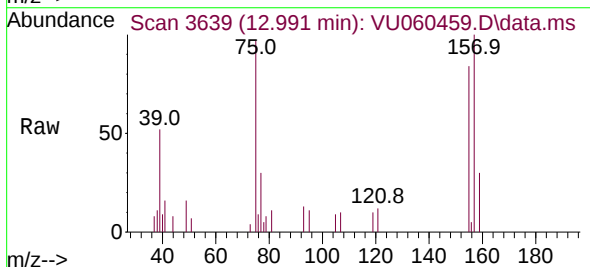
Tgt Ion: 75 Resp: 4905

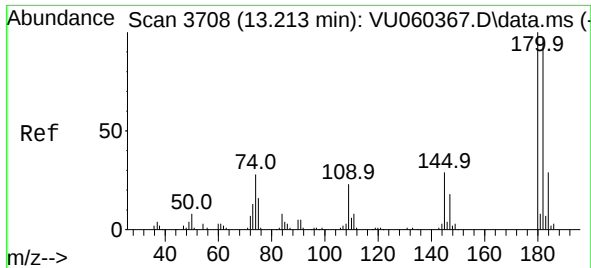
Ion Ratio Lower Upper

75 100

155 85.9 64.3 96.5

157 102.6 88.0 132.0





#69

1,3,5-Trichlorobenzene

Concen: 4.692 ug/L

RT: 13.212 min Scan# 31

Delta R.T. 0.000 min

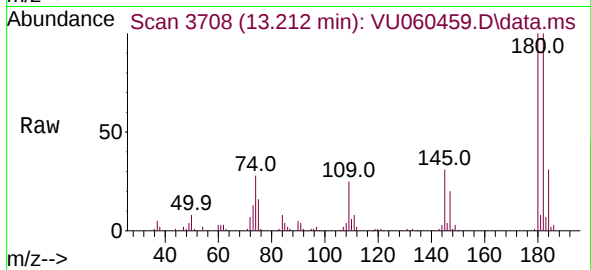
Lab File: VU060459.D

Acq: 15 Aug 2024 09:28

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion:180 Resp: 53968

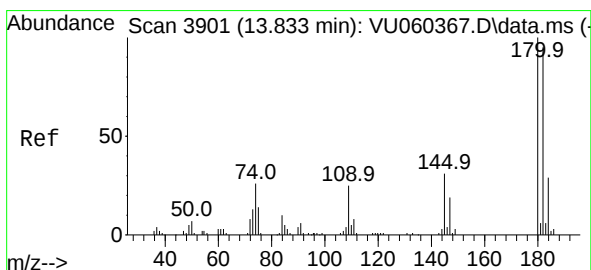
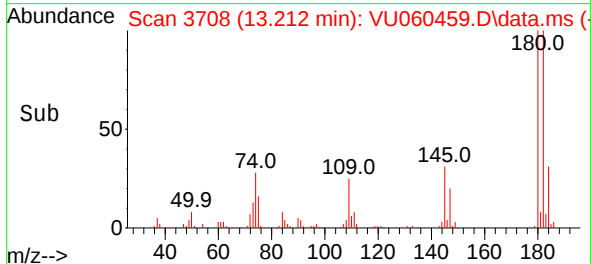
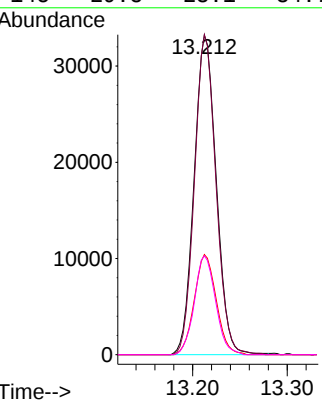
Ion Ratio Lower Upper

180 100

182 97.0 76.0 114.0

184 31.1 23.8 35.8

145 29.8 23.1 34.7



#70

1,2,4-trichlorobenzene

Concen: 4.407 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.003 min

Lab File: VU060459.D

Acq: 15 Aug 2024 09:28

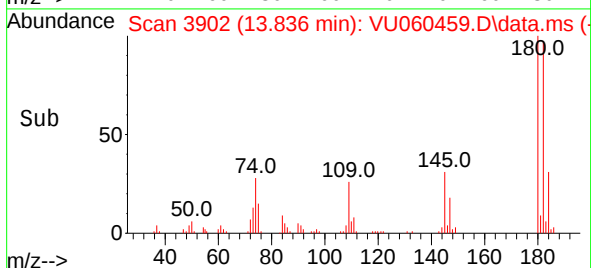
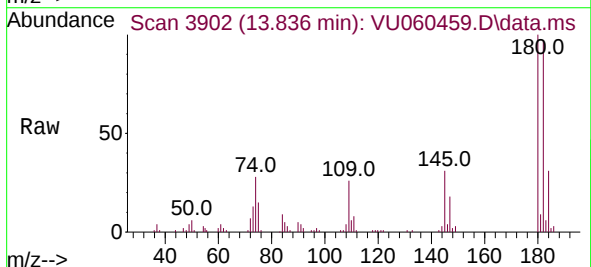
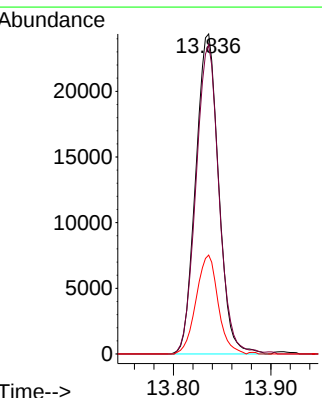
Tgt Ion:180 Resp: 39802

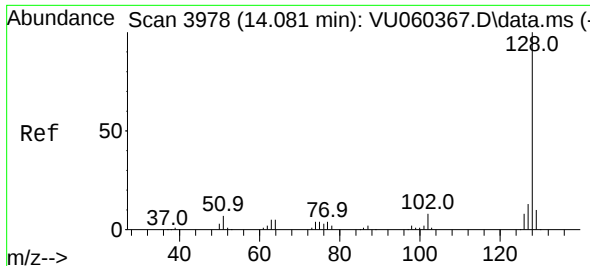
Ion Ratio Lower Upper

180 100

182 97.0 76.0 114.0

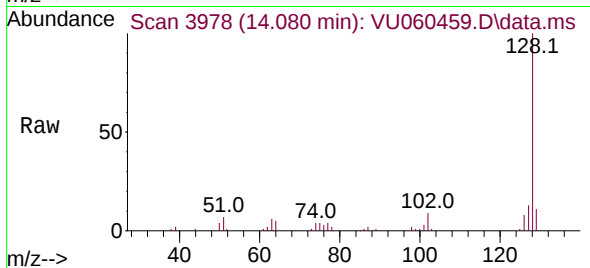
145 29.6 23.7 35.5



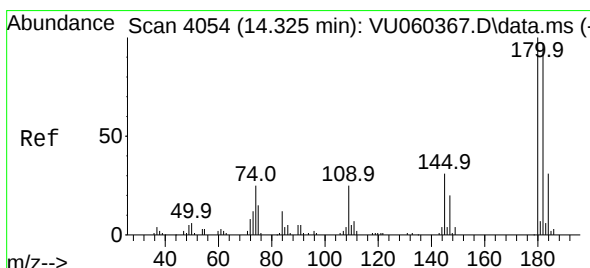
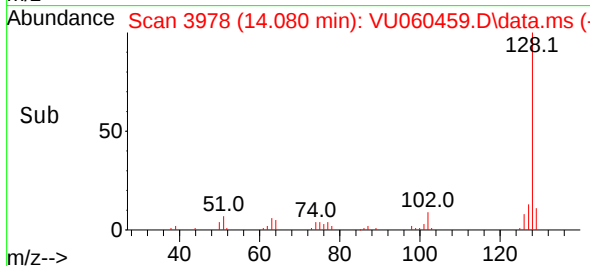
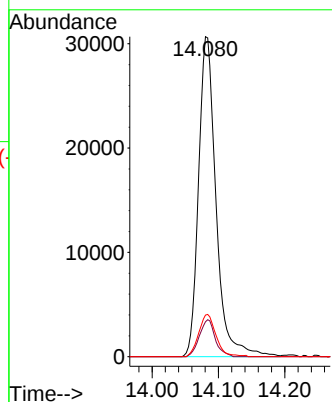


#71  
Naphthalene  
Concen: 4.376 ug/L  
RT: 14.080 min Scan# 3978  
Delta R.T. 0.000 min  
Lab File: VU060459.D  
Acq: 15 Aug 2024 09:28

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion:128 Resp: 56188  
Ion Ratio Lower Upper  
128 100  
129 10.5 8.6 12.8  
127 13.1 10.6 16.0



#72  
1,2,3-Trichlorobenzene  
Concen: 4.445 ug/L  
RT: 14.325 min Scan# 4054  
Delta R.T. 0.003 min  
Lab File: VU060459.D  
Acq: 15 Aug 2024 09:28

Tgt Ion:180 Resp: 35963  
Ion Ratio Lower Upper  
180 100  
182 97.1 75.7 113.5  
145 32.0 23.7 35.5

