

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU091624\  
 Data File : VU060776.D  
 Acq On : 16 Sep 2024 12:05  
 Operator : MD/SY  
 Sample : VSTD010  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Sep 17 01:11:34 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR091624WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Sep 17 01:09:32 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114  | 178085   | 5.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.409  | 117  | 186402   | 5.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152  | 96635    | 5.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65   | 164816   | 12.573  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.911  | 69   | 118648   | 9.960   | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65   | 59641    | 11.275  | ug/L   | 0.00     |
| 20) 2-Butanone-d5             | 4.631  | 46   | 280500   | 108.922 | ug/L   | 0.00     |
| 24) Chloroform-d              | 5.055  | 84   | 257174   | 10.154  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65   | 120158   | 9.862   | ug/L   | 0.00     |
| 32) Benzene-d6                | 5.718  | 84   | 531988   | 10.435  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67   | 160951   | 10.174  | ug/L   | 0.00     |
| 41) Toluene-d8                | 7.891  | 98   | 504909   | 10.590  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79   | 62134    | 12.160  | ug/L   | 0.00     |
| 46) 2-Hexanone-d5             | 8.627  | 63   | 265342   | 127.261 | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746 | 84   | 124968   | 9.634   | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 12.184 | 152  | 172333   | 10.093  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.383  | 85   | 132704   | 8.886   | ug/L   | 99       |
| 3) Chloromethane              | 1.518  | 50   | 135175   | 8.567   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.602  | 62   | 150721   | 8.612   | ug/L   | 98       |
| 6) Bromomethane               | 1.856  | 94   | 95510    | 7.880   | ug/L   | 98       |
| 8) Chloroethane               | 1.930  | 64   | 92993    | 8.859   | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 2.136  | 101  | 205996   | 9.553   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.576  | 101  | 122530   | 9.023   | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.573  | 96   | 112621   | 9.057   | ug/L   | 91       |
| 13) Acetone                   | 2.653  | 43   | 170420   | 100.876 | ug/L   | 98       |
| 14) Carbon disulfide          | 2.788  | 76   | 306282   | 7.630   | ug/L   | 99       |
| 15) Methyl Acetate            | 2.956  | 43   | 42199    | 9.880   | ug/L   | 92       |
| 16) Methylene chloride        | 3.039  | 84   | 130021   | 8.782   | ug/L   | 95       |
| 17) Methyl tert-butyl Ether   | 3.358  | 73   | 265396   | 9.804   | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.348  | 96   | 115291   | 9.013   | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.859  | 63   | 230792   | 9.572   | ug/L   | 98       |
| 21) 2-Butanone                | 4.708  | 43   | 292461   | 109.538 | ug/L   | 97       |
| 22) cis-1,2-Dichloroethene    | 4.657  | 96   | 132759   | 9.338   | ug/L   | 97       |
| 23) Bromochloromethane        | 4.968  | 128  | 60205    | 9.250   | ug/L   | 95       |
| 25) Chloroform                | 5.078  | 83   | 237590   | 9.395   | ug/L   | 98       |
| 27) 1,2-Dichloroethane        | 5.785  | 62   | 137530   | 9.059   | ug/L   | 99       |
| 29) 1,1,1-Trichloroethane     | 5.309  | 97   | 197038   | 9.227   | ug/L   | 99       |
| 30) Cyclohexane               | 5.380  | 56   | 179116   | 9.688   | ug/L   | 100      |
| 31) Carbon tetrachloride      | 5.515  | 117  | 175407   | 9.666   | ug/L   | 99       |
| 33) Benzene                   | 5.766  | 78   | 525618   | 9.422   | ug/L   | 100      |
| 34) Trichloroethene           | 6.534  | 95   | 134775   | 8.951   | ug/L   | 96       |
| 35) Methylcyclohexane         | 6.756  | 83   | 202674   | 9.573   | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 6.782  | 63   | 144991   | 9.961   | ug/L # | 96       |
| 38) Bromodichloromethane      | 7.097  | 83   | 169703   | 9.377   | ug/L   | 100      |
| 39) cis-1,3-Dichloropropene   | 7.599  | 75   | 201303   | 10.180  | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 7.782  | 43   | 710496   | 104.816 | ug/L   | 99       |
| 42) Toluene                   | 7.962  | 91   | 579178   | 9.795   | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 8.203  | 75   | 166274   | 10.401  | ug/L   | 94       |

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 Operator : MD/SY  
 Sample : VSTD010  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

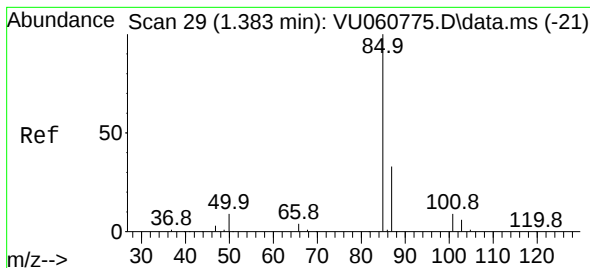
Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Sep 17 01:11:34 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR091624WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Sep 17 01:09:32 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| 45) 1,1,2-Trichloroethane     | 8.390  | 97   | 100754   | 9.474   | ug/L   | 98       |
| 47) Tetrachloroethene         | 8.547  | 164  | 105716   | 9.067   | ug/L   | 98       |
| 48) 2-Hexanone                | 8.676  | 43   | 517188   | 106.534 | ug/L   | 97       |
| 49) Dibromochloromethane      | 8.801  | 129  | 114732   | 9.622   | ug/L   | 96       |
| 50) 1,2-Dibromoethane         | 8.917  | 107  | 94357    | 9.572   | ug/L # | 93       |
| 51) Chlorobenzene             | 9.438  | 112  | 363831   | 9.683   | ug/L   | 99       |
| 52) Ethylbenzene              | 9.563  | 91   | 610911   | 10.099  | ug/L   | 100      |
| 53) m,p-Xylene                | 9.685  | 106  | 242090   | 10.400  | ug/L   | 99       |
| 54) o-Xylene                  | 10.094 | 106  | 231542   | 10.443  | ug/L   | 99       |
| 55) Styrene                   | 10.106 | 104  | 402093   | 10.725  | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.772 | 83   | 124802   | 9.563   | ug/L   | 98       |
| 59) Bromoform                 | 10.283 | 173  | 71705    | 9.774   | ug/L   | 99       |
| 60) Isopropylbenzene          | 10.476 | 105  | 618558   | 10.475  | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 10.814 | 75   | 86592    | 9.840   | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 491741   | 10.578  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 503191   | 11.246  | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 11.737 | 146  | 294636   | 9.750   | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.827 | 146  | 295899   | 9.569   | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 12.203 | 146  | 275857   | 9.724   | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.987 | 75   | 17694    | 10.163  | ug/L   | 91       |
| 69) 1,3,5-Trichlorobenzene    | 13.209 | 180  | 220128   | 9.849   | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.833 | 180  | 173156   | 10.261  | ug/L   | 96       |
| 71) Naphthalene               | 14.081 | 128  | 233969   | 9.831   | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.319 | 180  | 151361   | 9.728   | ug/L   | 99       |
| -----                         |        |      |          |         |        |          |

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

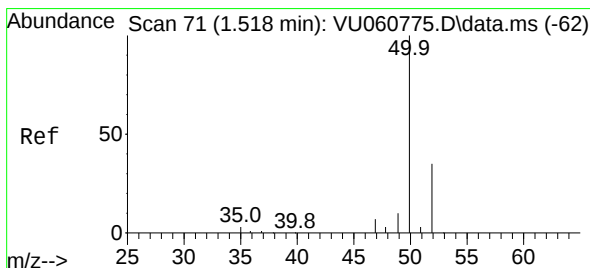
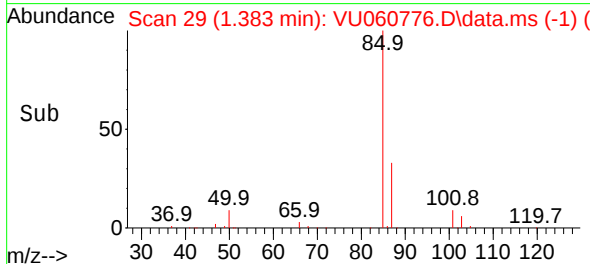
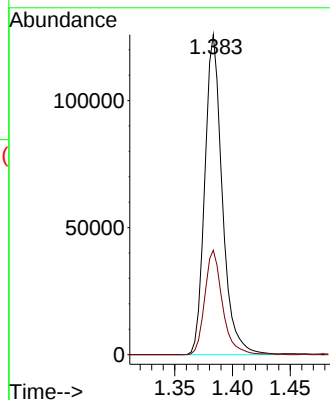
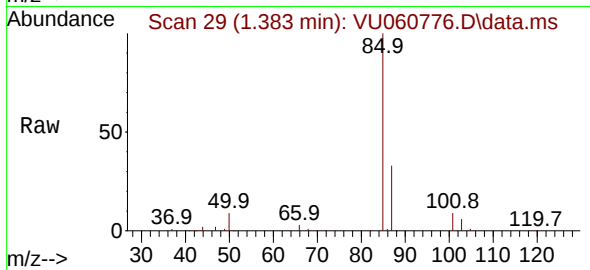




#2  
 Dichlorodifluoromethane  
 Concen: 8.886 ug/L  
 RT: 1.383 min Scan# 29  
 Delta R.T. 0.000 min  
 Lab File: VU060776.D  
 Acq: 16 Sep 2024 12:05

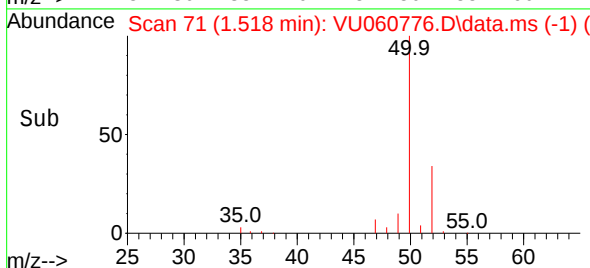
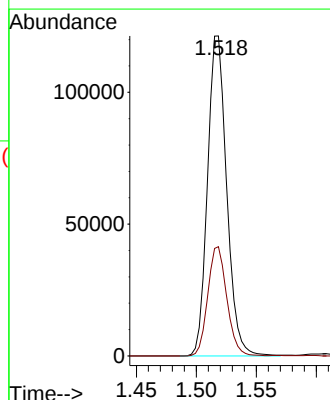
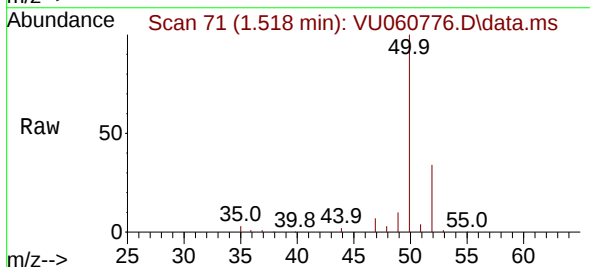
Instrument :  
 MSVOA\_U  
 ClientSampleId :

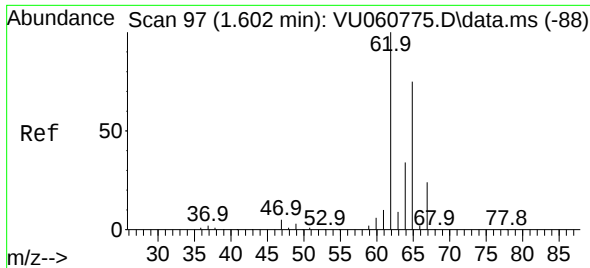
Tgt Ion: 85 Resp: 132704  
 Ion Ratio Lower Upper  
 85 100  
 87 33.1 26.2 39.2



#3  
 Chloromethane  
 Concen: 8.567 ug/L  
 RT: 1.518 min Scan# 71  
 Delta R.T. 0.000 min  
 Lab File: VU060776.D  
 Acq: 16 Sep 2024 12:05

Tgt Ion: 50 Resp: 135175  
 Ion Ratio Lower Upper  
 50 100  
 52 34.1 24.4 45.4

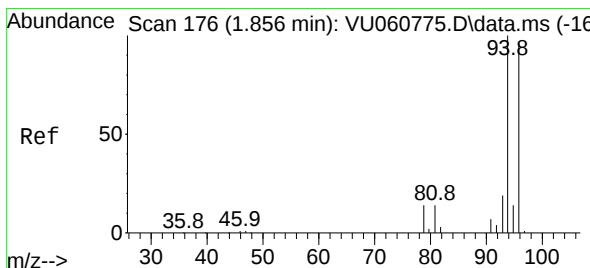
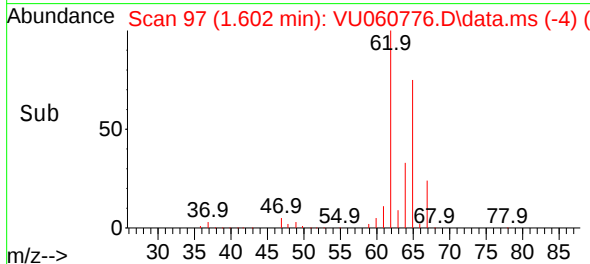
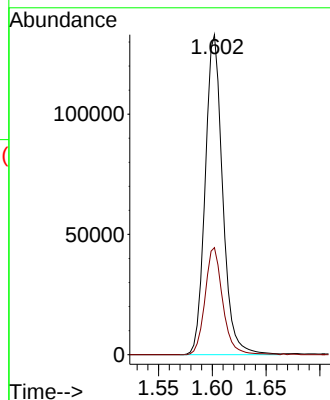
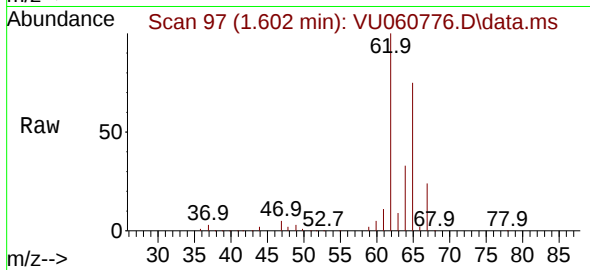




#5  
 Vinyl chloride  
 Concen: 8.612 ug/L  
 RT: 1.602 min Scan# 91  
 Delta R.T. 0.000 min  
 Lab File: VU060776.D  
 Acq: 16 Sep 2024 12:05

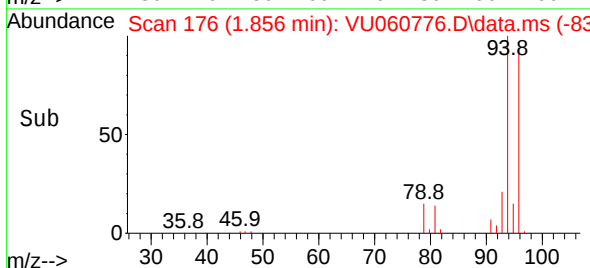
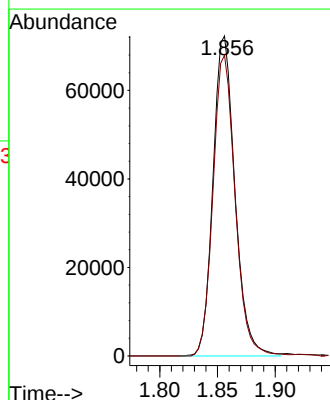
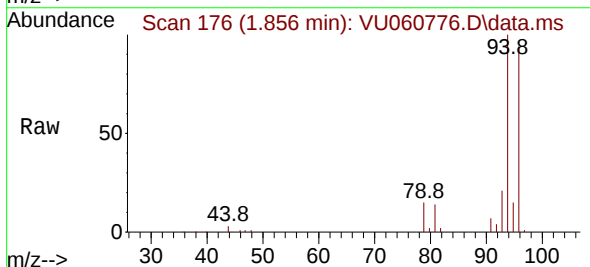
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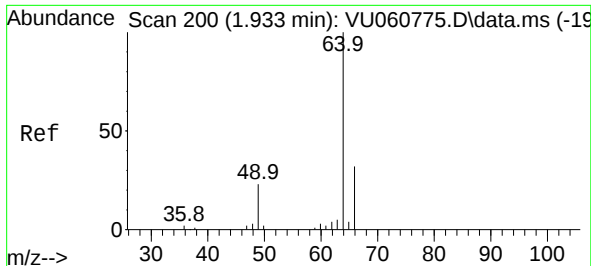
Tgt Ion: 62 Resp: 150721  
 Ion Ratio Lower Upper  
 62 100  
 64 33.4 24.0 44.6



#6  
 Bromomethane  
 Concen: 7.880 ug/L  
 RT: 1.856 min Scan# 176  
 Delta R.T. 0.000 min  
 Lab File: VU060776.D  
 Acq: 16 Sep 2024 12:05

Tgt Ion: 94 Resp: 95510  
 Ion Ratio Lower Upper  
 94 100  
 96 94.0 67.3 124.9

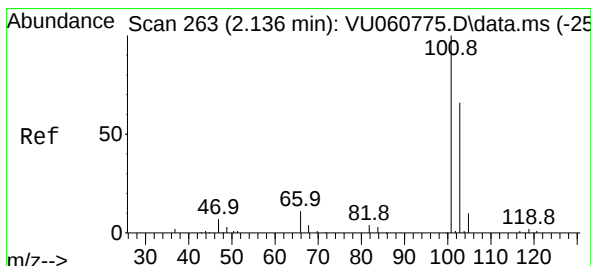
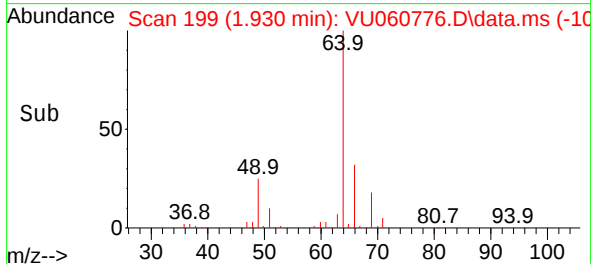
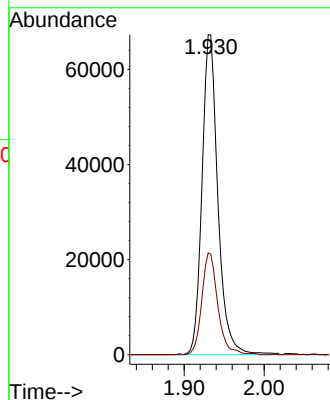
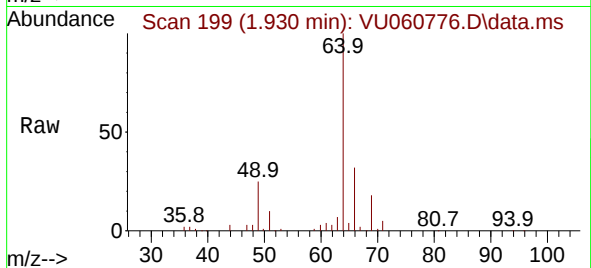




#8  
Chloroethane  
Concen: 8.859 ug/L  
RT: 1.930 min Scan# 199  
Delta R.T. -0.003 min  
Lab File: VU060776.D  
Acq: 16 Sep 2024 12:05

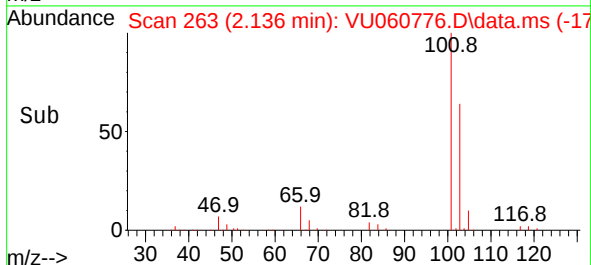
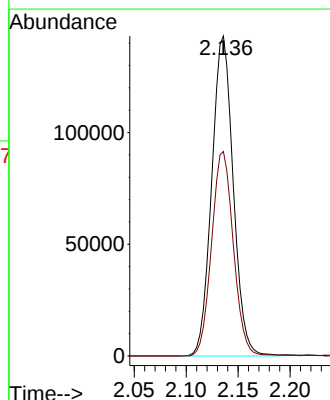
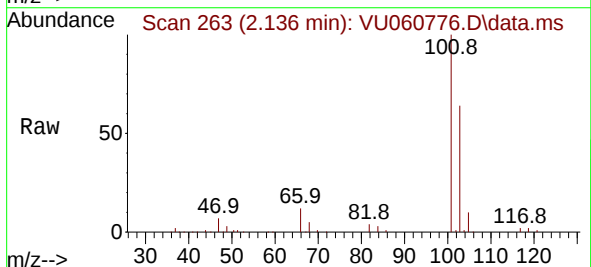
Instrument :  
MSVOA\_U  
ClientSampleId :

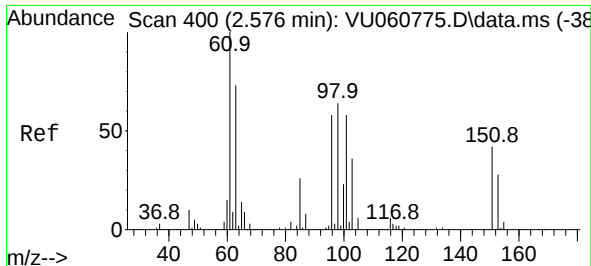
Tgt Ion: 64 Resp: 92993  
Ion Ratio Lower Upper  
64 100  
66 31.8 22.3 41.3



#9  
Trichlorofluoromethane  
Concen: 9.553 ug/L  
RT: 2.136 min Scan# 263  
Delta R.T. 0.000 min  
Lab File: VU060776.D  
Acq: 16 Sep 2024 12:05

Tgt Ion:101 Resp: 205996  
Ion Ratio Lower Upper  
101 100  
103 64.8 51.4 77.2

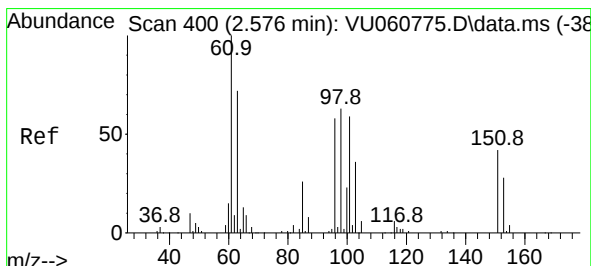
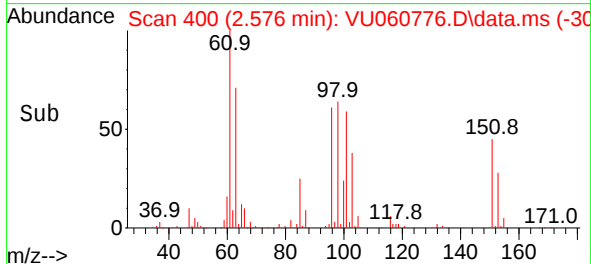
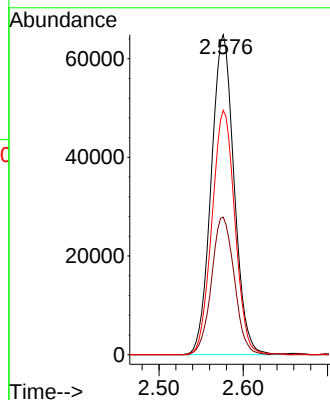
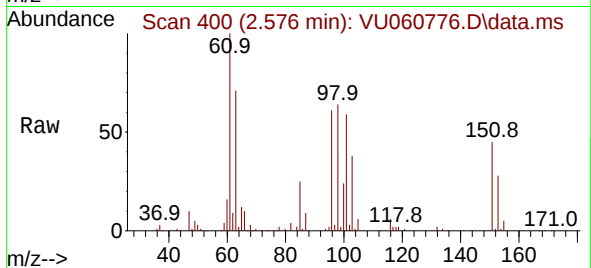




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 9.023 ug/L  
 RT: 2.576 min Scan# 400  
 Delta R.T. 0.000 min  
 Lab File: VU060776.D  
 Acq: 16 Sep 2024 12:05

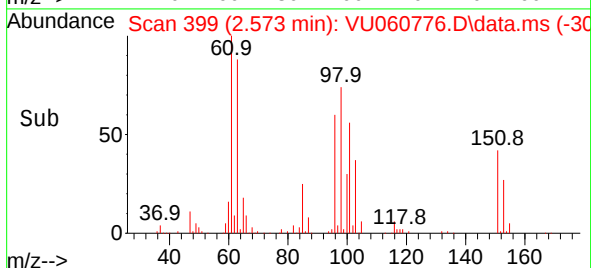
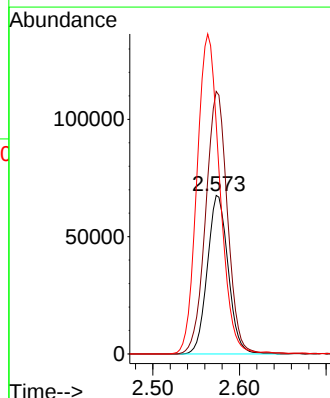
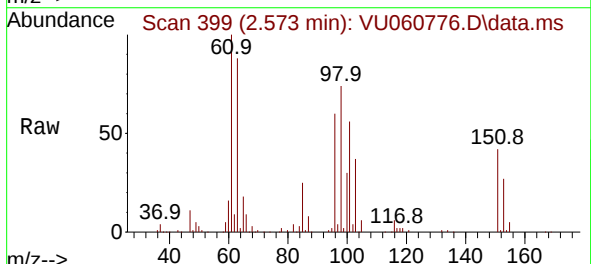
Instrument :  
 MSVOA\_U  
 ClientSampleId :

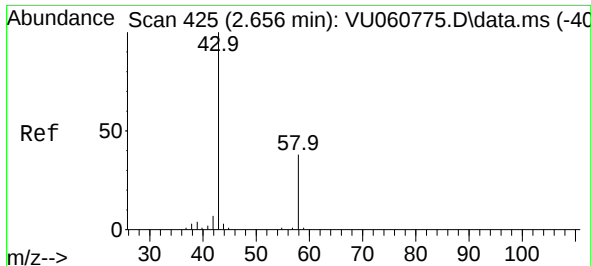
Tgt Ion:101 Resp: 122530  
 Ion Ratio Lower Upper  
 101 100  
 85 42.8 34.2 51.4  
 151 76.4 58.6 88.0



#12  
 1,1-Dichloroethene  
 Concen: 9.057 ug/L  
 RT: 2.573 min Scan# 399  
 Delta R.T. -0.003 min  
 Lab File: VU060776.D  
 Acq: 16 Sep 2024 12:05

Tgt Ion: 96 Resp: 112621  
 Ion Ratio Lower Upper  
 96 100  
 61 165.6 120.7 224.1  
 63 145.5 90.0 167.2





#13

Acetone

Concen: 100.876 ug/L

RT: 2.653 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU060776.D

Acq: 16 Sep 2024 12:05

Instrument :

MSVOA\_U

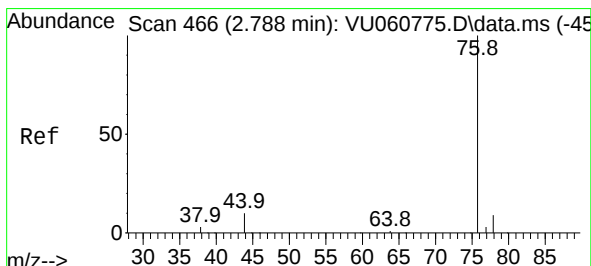
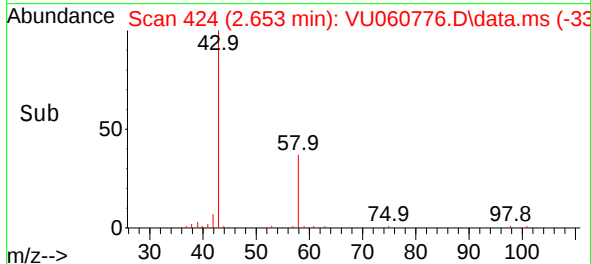
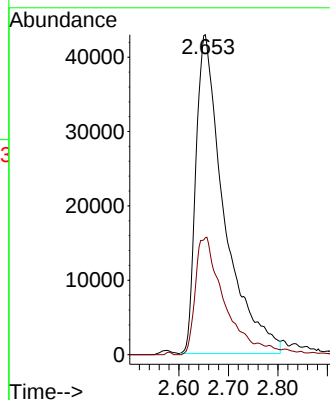
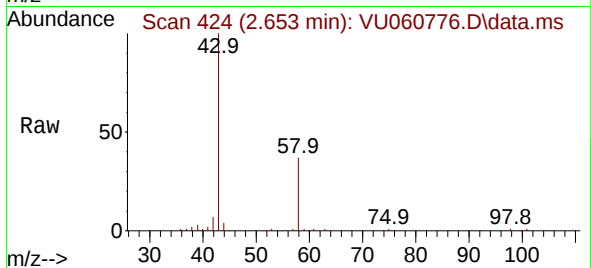
ClientSampleId :

Tgt Ion: 43 Resp: 170420

Ion Ratio Lower Upper

43 100

58 35.8 0.0 69.6



#14

Carbon disulfide

Concen: 7.630 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU060776.D

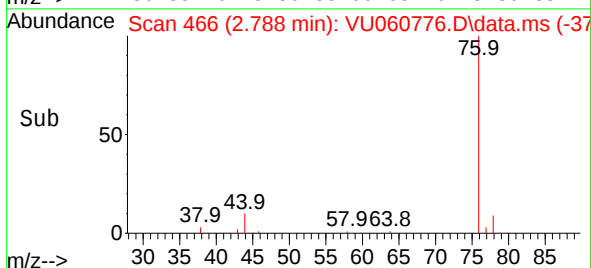
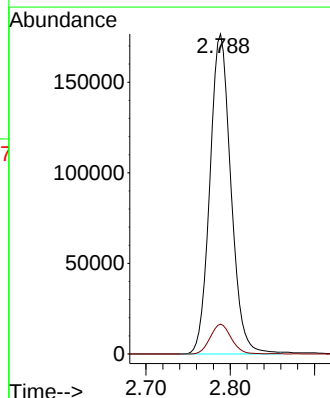
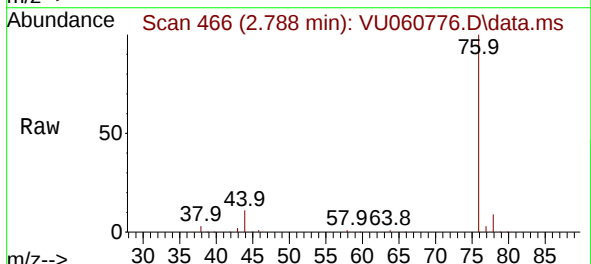
Acq: 16 Sep 2024 12:05

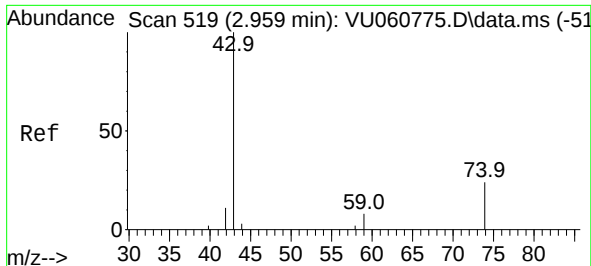
Tgt Ion: 76 Resp: 306282

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7





#15

Methyl Acetate

Concen: 9.880 ug/L

RT: 2.956 min Scan# 519

Delta R.T. -0.003 min

Lab File: VU060776.D

Acq: 16 Sep 2024 12:05

Instrument :

MSVOA\_U

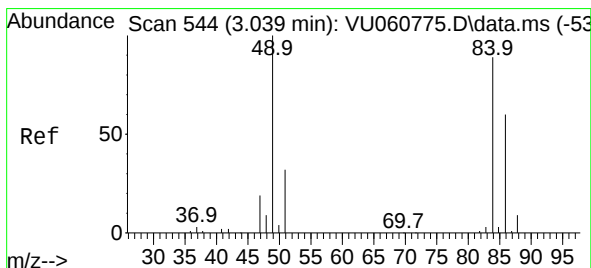
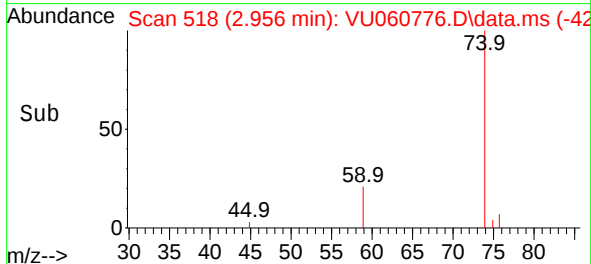
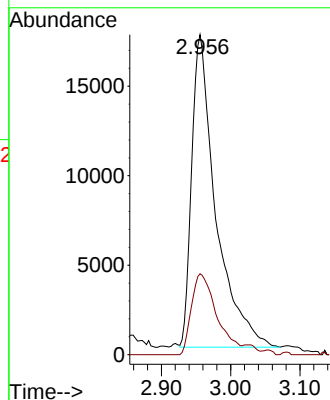
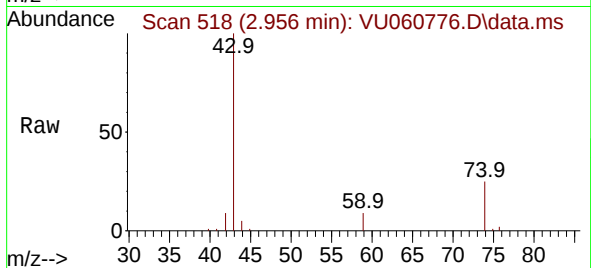
ClientSampleId :

Tgt Ion: 43 Resp: 42199

Ion Ratio Lower Upper

43 100

74 27.4 18.9 28.3



#16

Methylene chloride

Concen: 8.782 ug/L

RT: 3.039 min Scan# 544

Delta R.T. 0.000 min

Lab File: VU060776.D

Acq: 16 Sep 2024 12:05

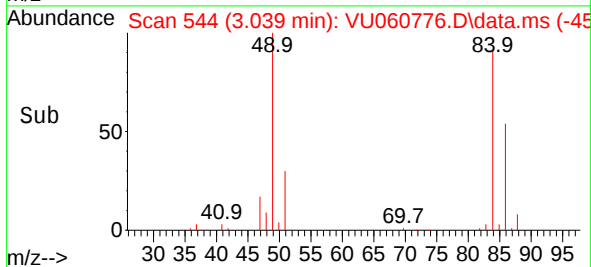
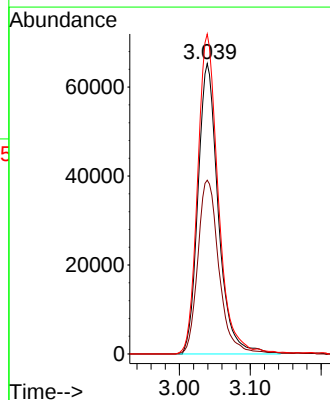
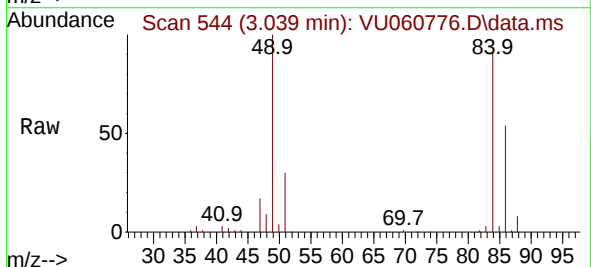
Tgt Ion: 84 Resp: 130021

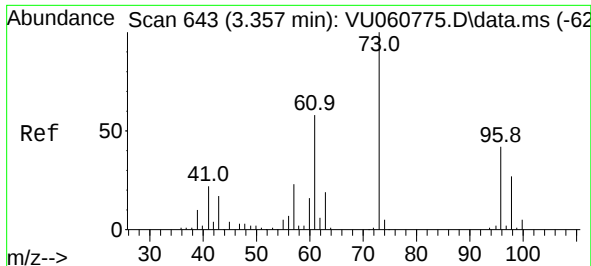
Ion Ratio Lower Upper

84 100

86 59.8 47.3 87.8

49 110.2 78.7 146.1

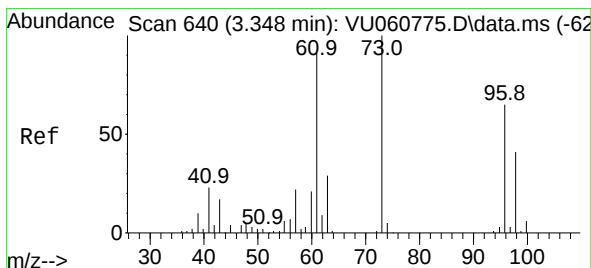
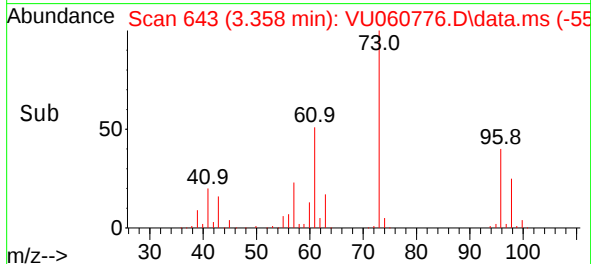
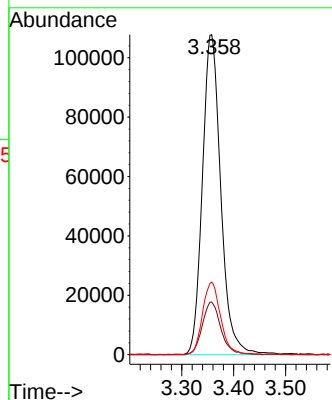
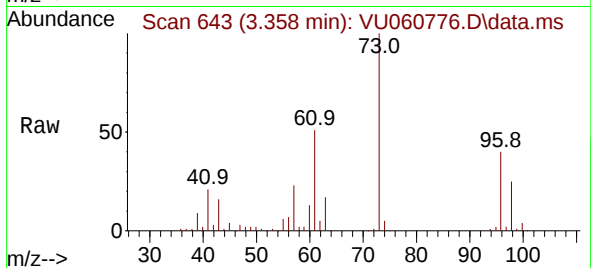




#17  
Methyl tert-butyl Ether  
Concen: 9.804 ug/L  
RT: 3.358 min Scan# 643  
Delta R.T. 0.000 min  
Lab File: VU060776.D  
Acq: 16 Sep 2024 12:05

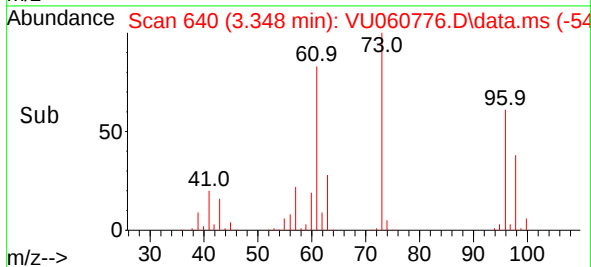
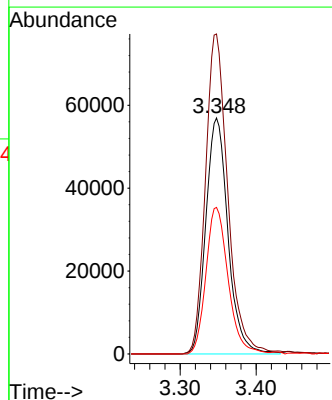
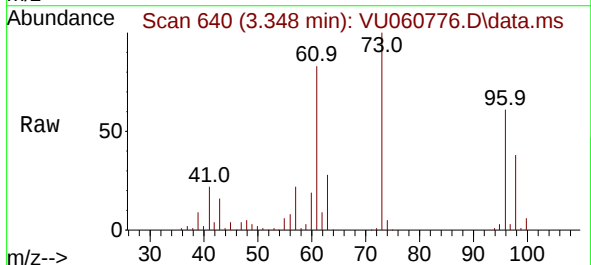
Instrument :  
MSVOA\_U  
ClientSampleId :

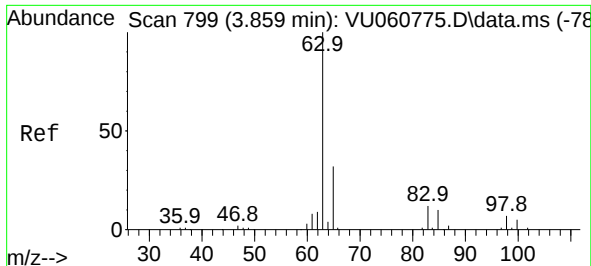
Tgt Ion: 73 Resp: 265396  
Ion Ratio Lower Upper  
73 100  
43 16.6 13.8 20.8  
57 22.2 18.0 27.0



#18  
trans-1,2-Dichloroethene  
Concen: 9.013 ug/L  
RT: 3.348 min Scan# 640  
Delta R.T. 0.000 min  
Lab File: VU060776.D  
Acq: 16 Sep 2024 12:05

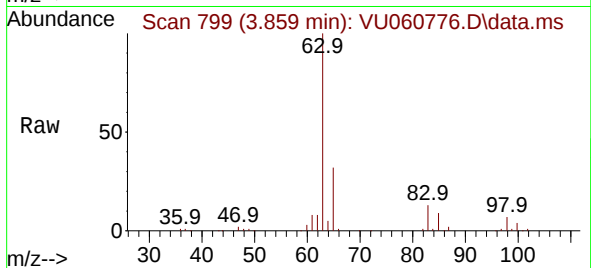
Tgt Ion: 96 Resp: 115291  
Ion Ratio Lower Upper  
96 100  
61 135.6 97.2 180.6  
98 62.1 43.3 80.5



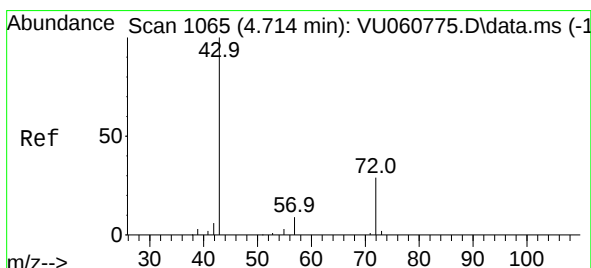
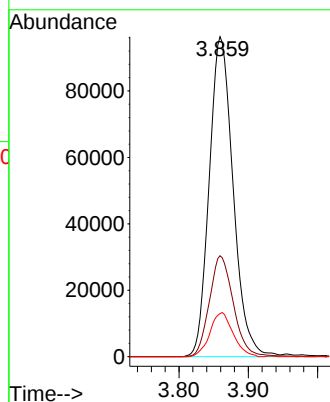
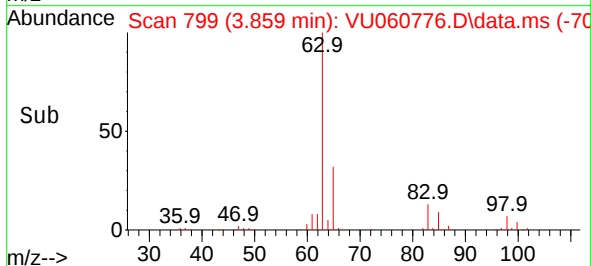


#19  
1,1-Dichloroethane  
Concen: 9.572 ug/L  
RT: 3.859 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VU060776.D  
Acq: 16 Sep 2024 12:05

Instrument :  
MSVOA\_U  
ClientSampleId :

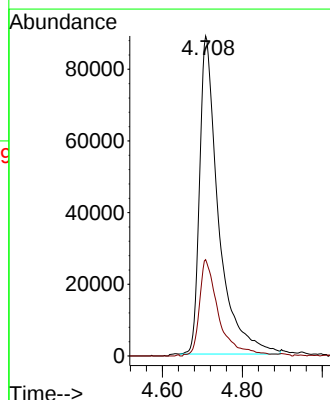
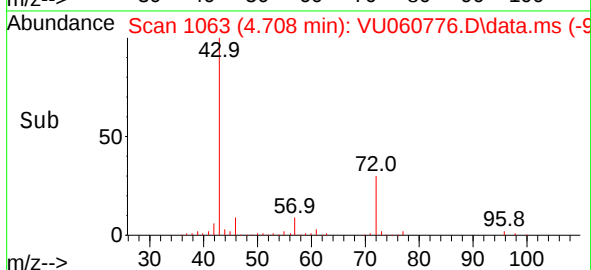
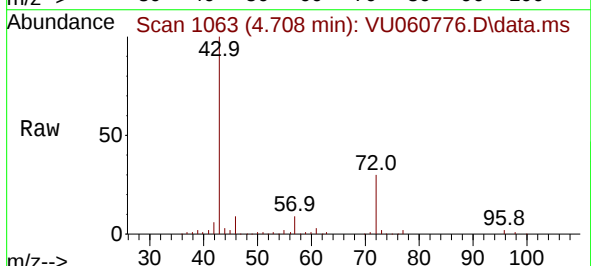


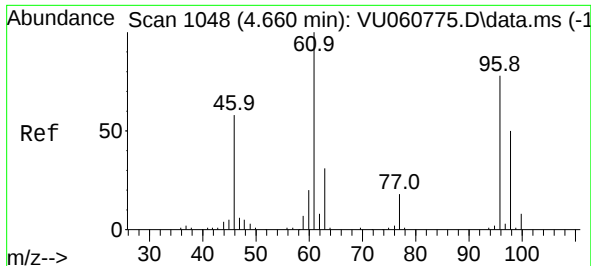
Tgt Ion: 63 Resp: 230792  
Ion Ratio Lower Upper  
63 100  
65 31.5 23.0 42.8  
83 13.4 9.0 16.6



#21  
2-Butanone  
Concen: 109.538 ug/L  
RT: 4.708 min Scan# 1063  
Delta R.T. -0.006 min  
Lab File: VU060776.D  
Acq: 16 Sep 2024 12:05

Tgt Ion: 43 Resp: 292461  
Ion Ratio Lower Upper  
43 100  
72 30.9 14.8 44.3

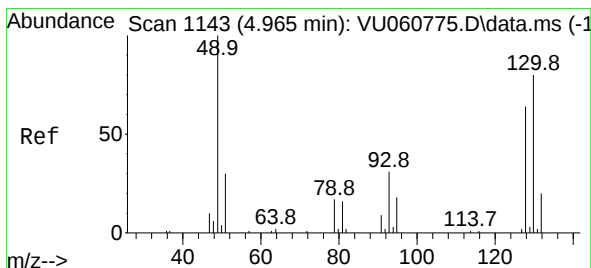
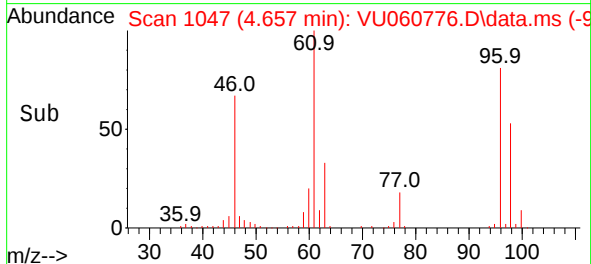
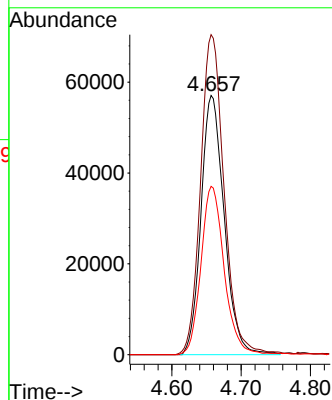
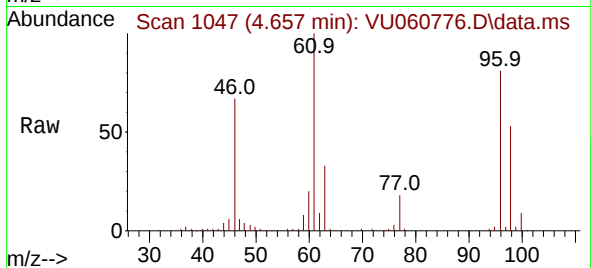




#22  
 cis-1,2-Dichloroethene  
 Concen: 9.338 ug/L  
 RT: 4.657 min Scan# 1047  
 Delta R.T. -0.003 min  
 Lab File: VU060776.D  
 Acq: 16 Sep 2024 12:05

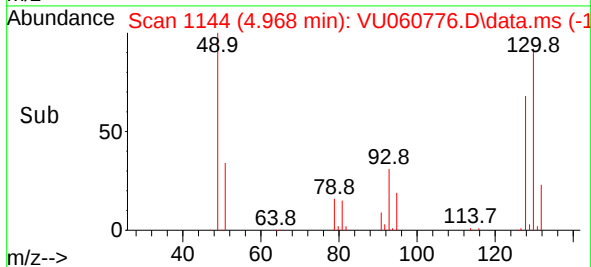
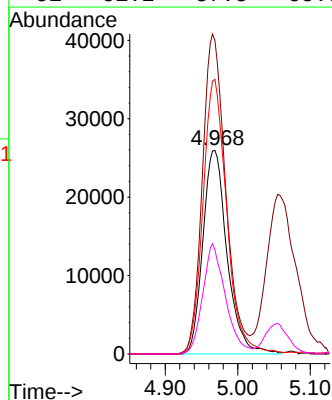
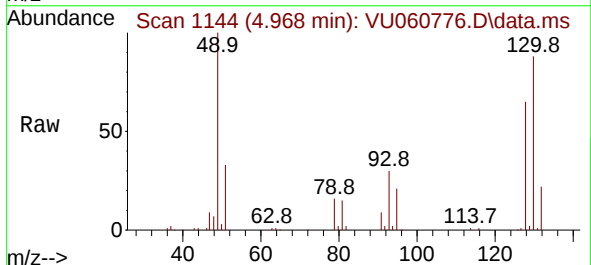
Instrument :  
 MSVOA\_U  
 ClientSampleId :

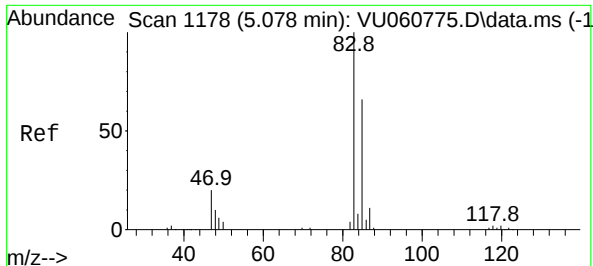
Tgt Ion: 96 Resp: 132759  
 Ion Ratio Lower Upper  
 96 100  
 61 123.5 89.7 166.5  
 98 65.0 45.1 83.9



#23  
 Bromochloromethane  
 Concen: 9.250 ug/L  
 RT: 4.968 min Scan# 1144  
 Delta R.T. 0.003 min  
 Lab File: VU060776.D  
 Acq: 16 Sep 2024 12:05

Tgt Ion:128 Resp: 60205  
 Ion Ratio Lower Upper  
 128 100  
 49 154.0 109.6 203.6  
 130 134.9 87.8 163.0  
 51 51.2 37.3 55.9





#25

Chloroform

Concen: 9.395 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. 0.000 min

Lab File: VU060776.D

Acq: 16 Sep 2024 12:05

Instrument :

MSVOA\_U

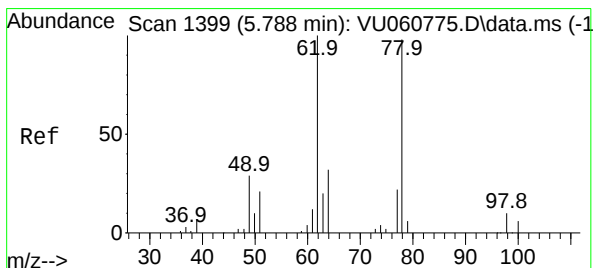
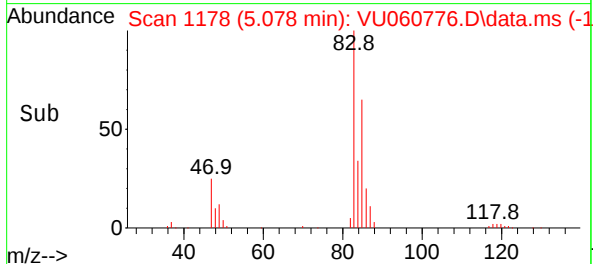
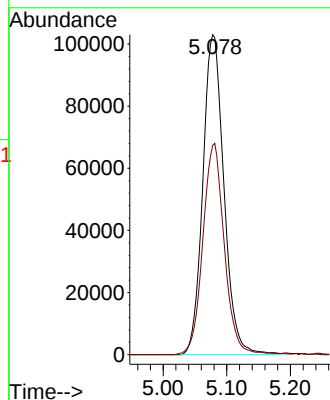
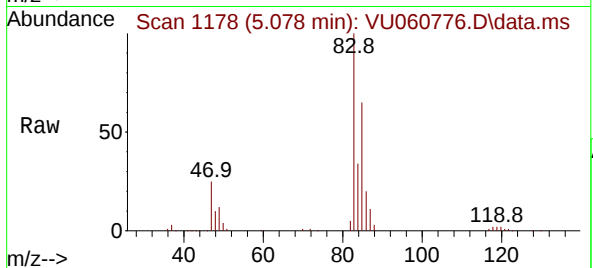
ClientSampleId :

Tgt Ion: 83 Resp: 237590

Ion Ratio Lower Upper

83 100

85 65.4 46.8 86.8



#27

1,2-Dichloroethane

Concen: 9.059 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. -0.003 min

Lab File: VU060776.D

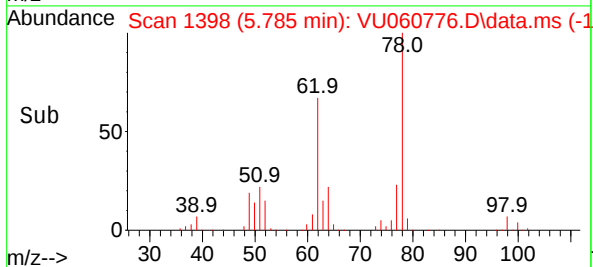
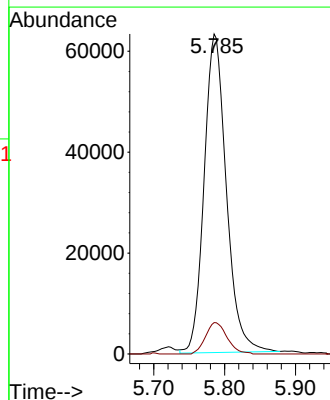
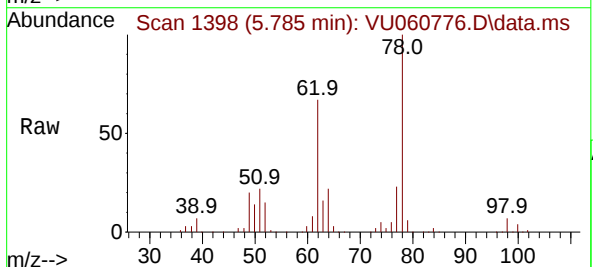
Acq: 16 Sep 2024 12:05

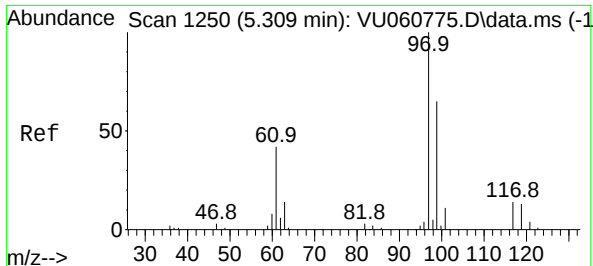
Tgt Ion: 62 Resp: 137530

Ion Ratio Lower Upper

62 100

98 9.8 8.2 12.4

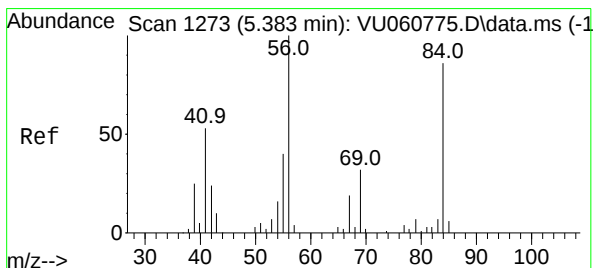
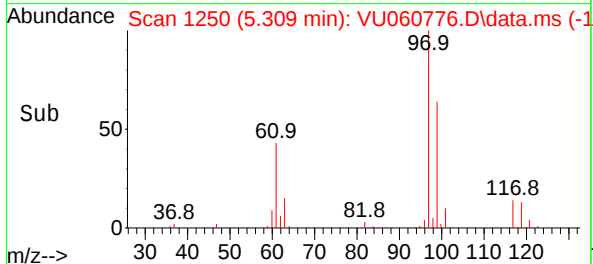
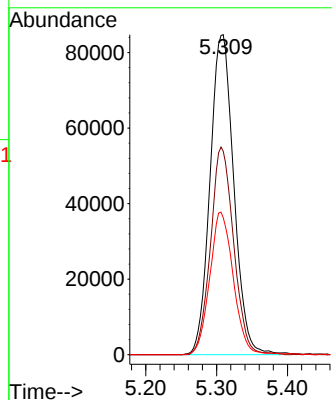
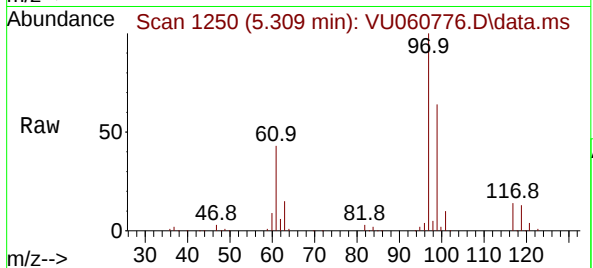




#29  
1,1,1-Trichloroethane  
Concen: 9.227 ug/L  
RT: 5.309 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU060776.D  
Acq: 16 Sep 2024 12:05

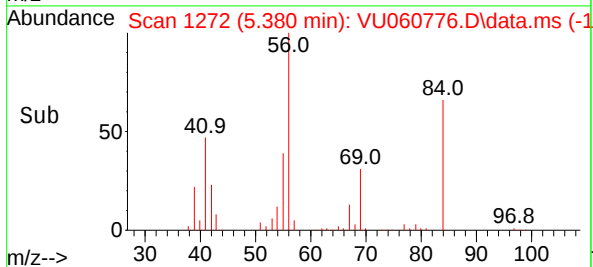
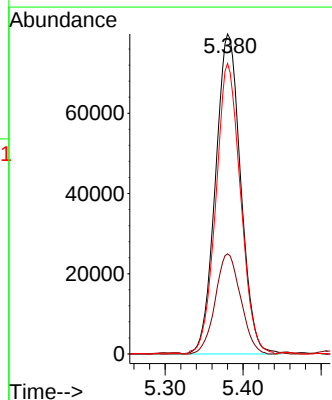
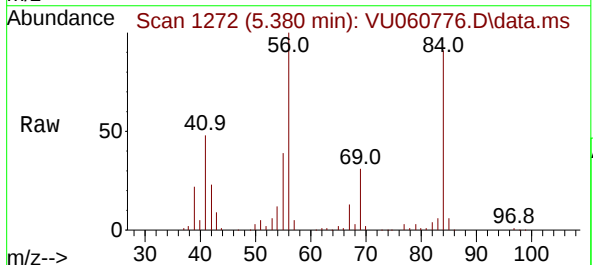
Instrument :  
MSVOA\_U  
ClientSampleId :

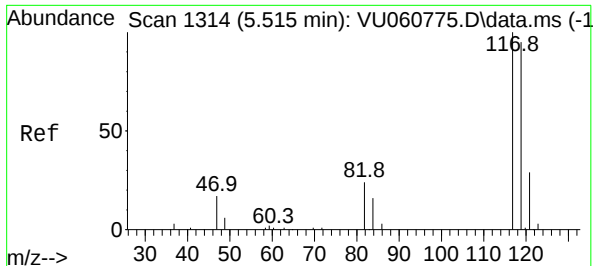
Tgt Ion: 97 Resp: 197038  
Ion Ratio Lower Upper  
97 100  
99 63.3 50.5 75.7  
61 44.2 34.4 51.6



#30  
Cyclohexane  
Concen: 9.688 ug/L  
RT: 5.380 min Scan# 1272  
Delta R.T. -0.003 min  
Lab File: VU060776.D  
Acq: 16 Sep 2024 12:05

Tgt Ion: 56 Resp: 179116  
Ion Ratio Lower Upper  
56 100  
69 31.5 25.4 38.0  
84 88.9 71.0 106.6

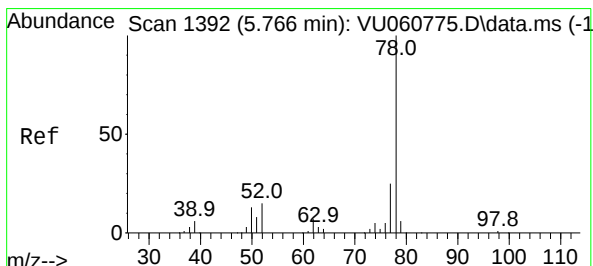
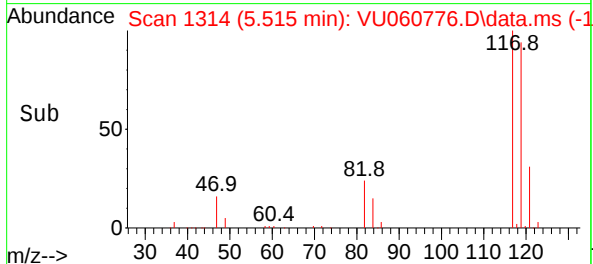
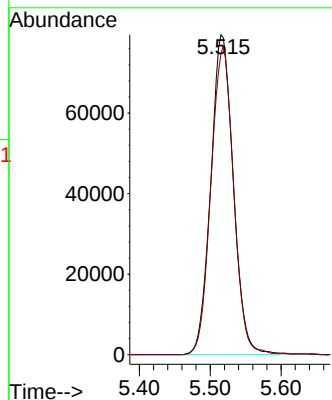
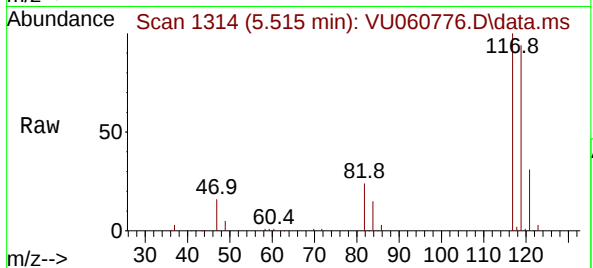




#31  
Carbon tetrachloride  
Concen: 9.666 ug/L  
RT: 5.515 min Scan# 1314  
Delta R.T. 0.000 min  
Lab File: VU060776.D  
Acq: 16 Sep 2024 12:05

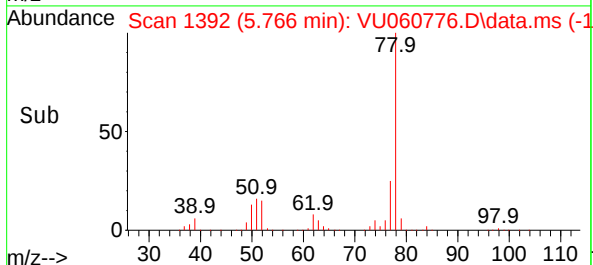
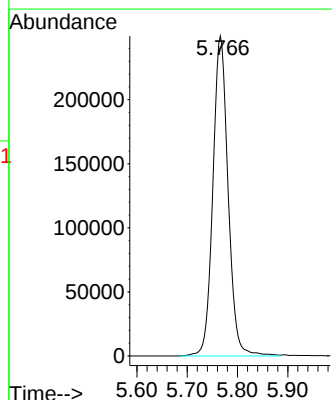
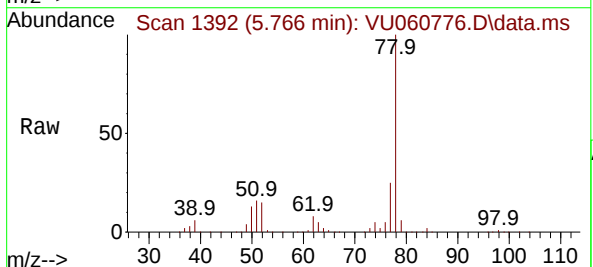
Instrument :  
MSVOA\_U  
ClientSampleId :

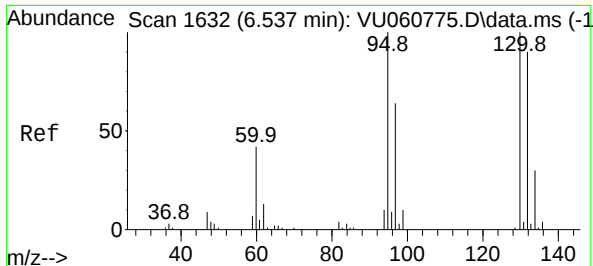
Tgt Ion:117 Resp: 175407  
Ion Ratio Lower Upper  
117 100  
119 96.5 76.3 114.5



#33  
Benzene  
Concen: 9.422 ug/L  
RT: 5.766 min Scan# 1392  
Delta R.T. 0.000 min  
Lab File: VU060776.D  
Acq: 16 Sep 2024 12:05

Tgt Ion: 78 Resp: 525618





#34

Trichloroethene

Concen: 8.951 ug/L

RT: 6.534 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU060776.D

Acq: 16 Sep 2024 12:05

Instrument :

MSVOA\_U

ClientSampleId :

Tgt Ion: 95 Resp: 134775

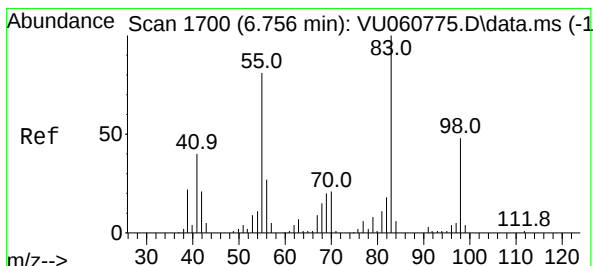
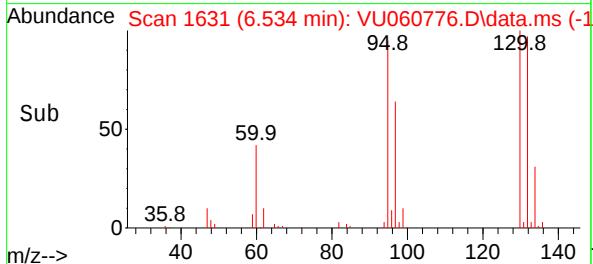
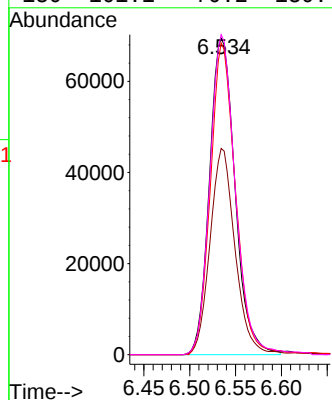
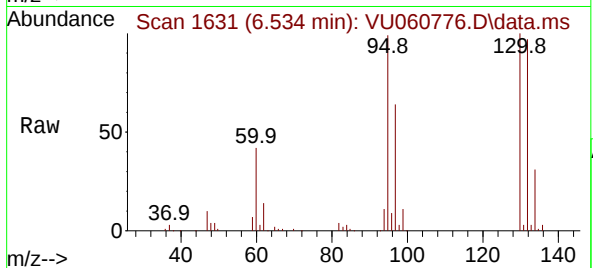
Ion Ratio Lower Upper

95 100

97 65.2 44.9 83.5

132 98.5 63.5 117.9

130 101.1 70.2 130.4



#35

Methylcyclohexane

Concen: 9.573 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VU060776.D

Acq: 16 Sep 2024 12:05

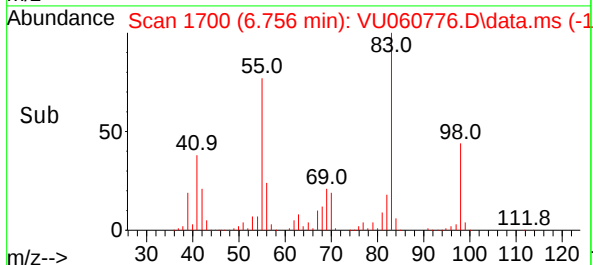
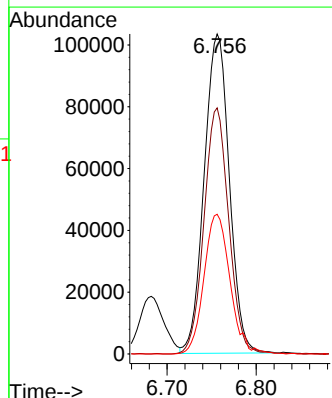
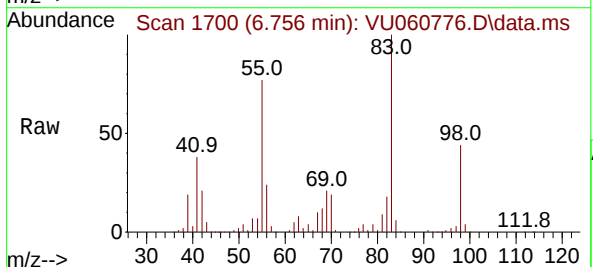
Tgt Ion: 83 Resp: 202674

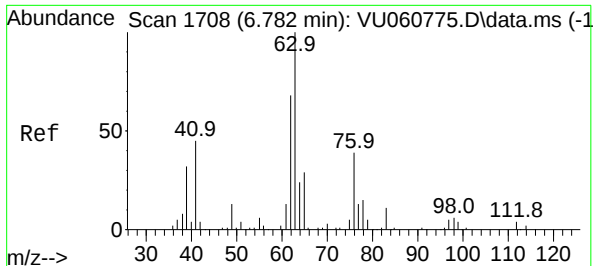
Ion Ratio Lower Upper

83 100

55 76.0 62.6 94.0

98 44.6 37.6 56.4

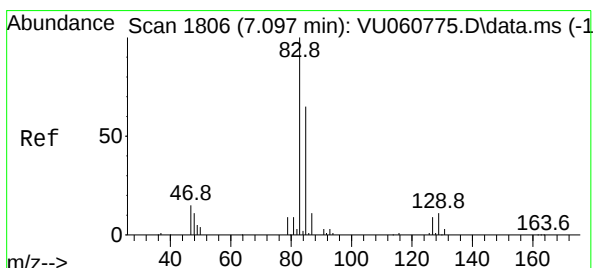
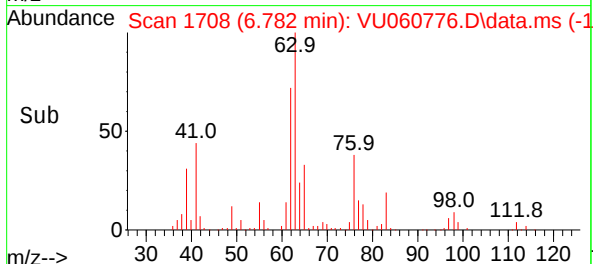
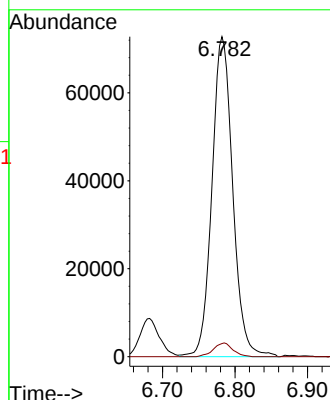
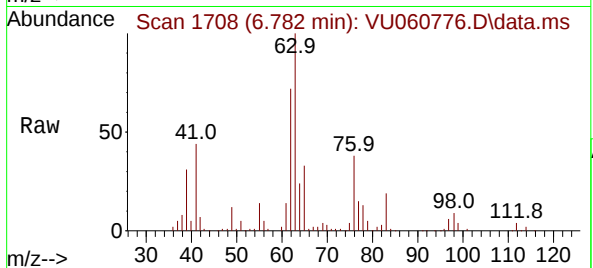




#37  
1,2-Dichloropropane  
Concen: 9.961 ug/L  
RT: 6.782 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU060776.D  
Acq: 16 Sep 2024 12:05

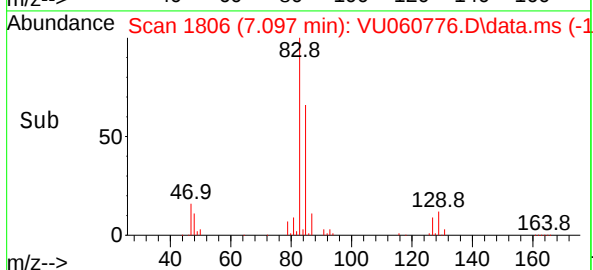
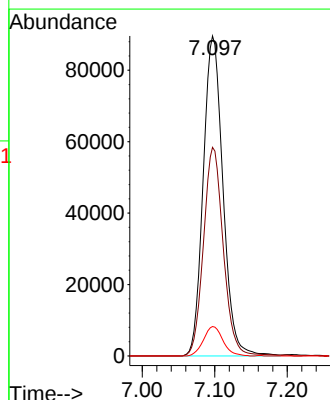
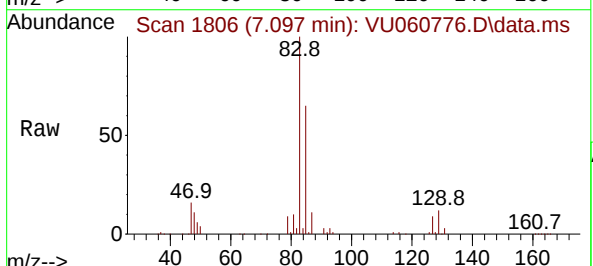
Instrument :  
MSVOA\_U  
ClientSampleId :

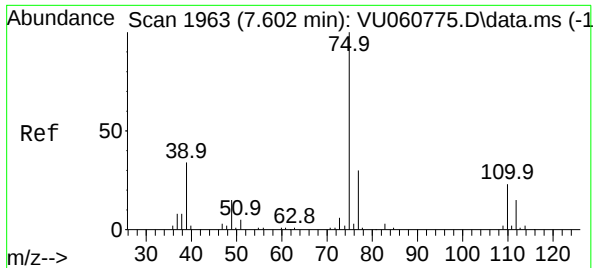
Tgt Ion: 63 Resp: 144991  
Ion Ratio Lower Upper  
63 100  
112 4.0 2.0 3.0#



#38  
Bromodichloromethane  
Concen: 9.377 ug/L  
RT: 7.097 min Scan# 1806  
Delta R.T. 0.000 min  
Lab File: VU060776.D  
Acq: 16 Sep 2024 12:05

Tgt Ion: 83 Resp: 169703  
Ion Ratio Lower Upper  
83 100  
85 65.2 45.6 84.8  
127 9.2 7.0 10.6

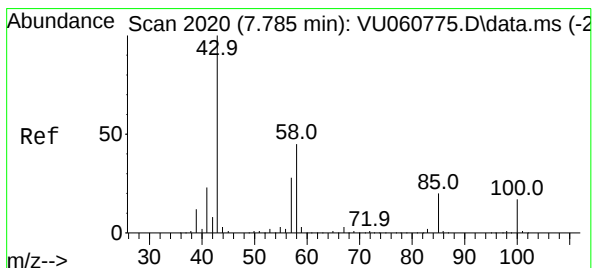
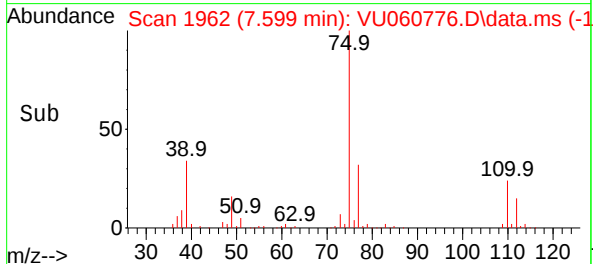
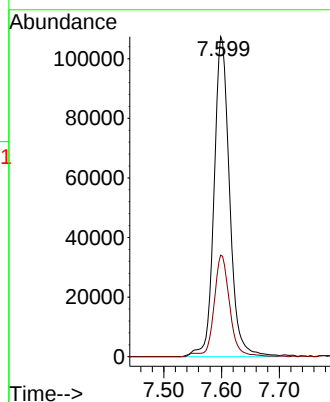
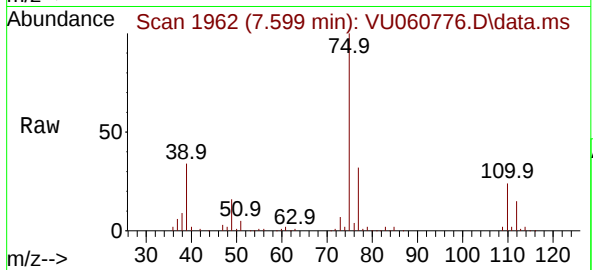




#39  
 cis-1,3-Dichloropropene  
 Concen: 10.180 ug/L  
 RT: 7.599 min Scan# 1962  
 Delta R.T. -0.003 min  
 Lab File: VU060776.D  
 Acq: 16 Sep 2024 12:05

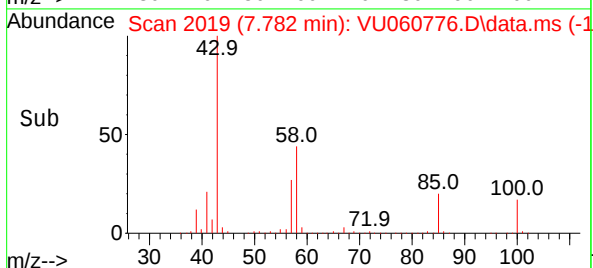
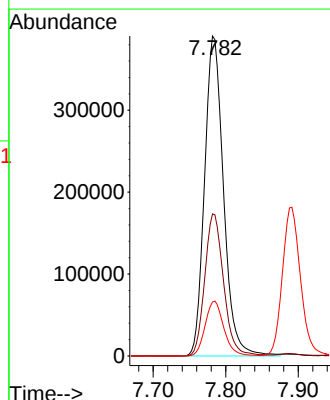
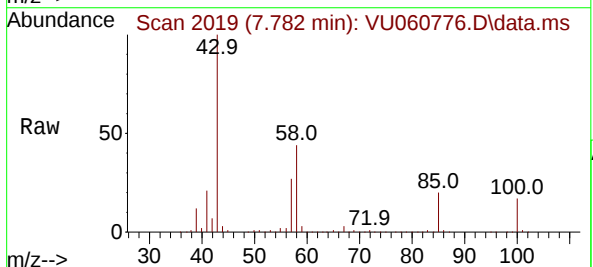
Instrument :  
 MSVOA\_U  
 ClientSampleId :

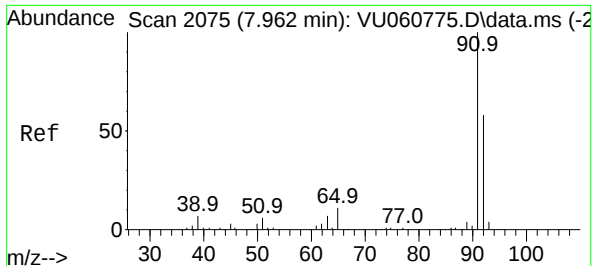
Tgt Ion: 75 Resp: 201303  
 Ion Ratio Lower Upper  
 75 100  
 77 31.7 21.3 39.5



#40  
 4-Methyl-2-pentanone  
 Concen: 104.816 ug/L  
 RT: 7.782 min Scan# 2019  
 Delta R.T. -0.003 min  
 Lab File: VU060776.D  
 Acq: 16 Sep 2024 12:05

Tgt Ion: 43 Resp: 710496  
 Ion Ratio Lower Upper  
 43 100  
 58 44.1 34.9 52.3  
 100 16.9 13.4 20.0





#42

Toluene

Concen: 9.795 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU060776.D

Acq: 16 Sep 2024 12:05

Instrument :

MSVOA\_U

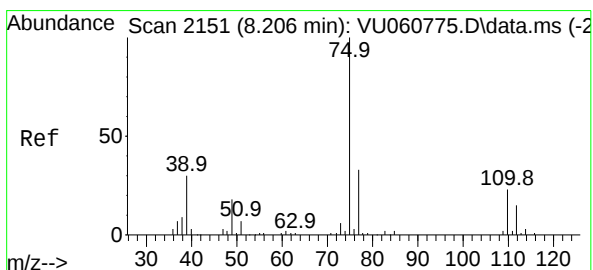
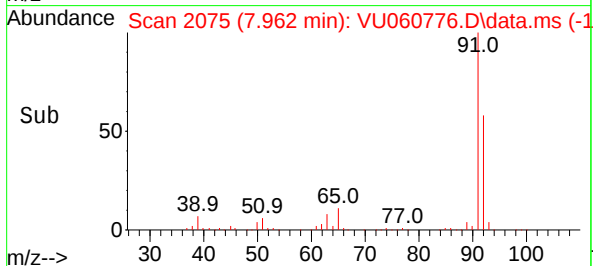
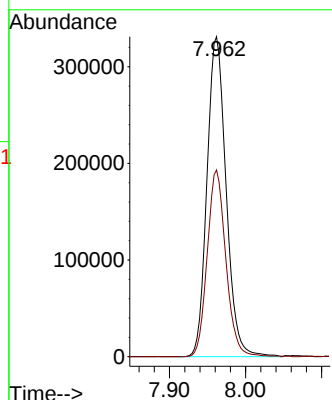
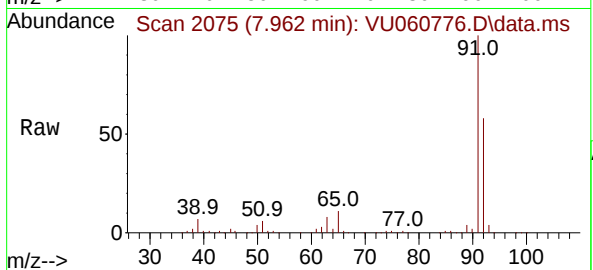
ClientSampleId :

Tgt Ion: 91 Resp: 579178

Ion Ratio Lower Upper

91 100

92 58.3 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 10.401 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.003 min

Lab File: VU060776.D

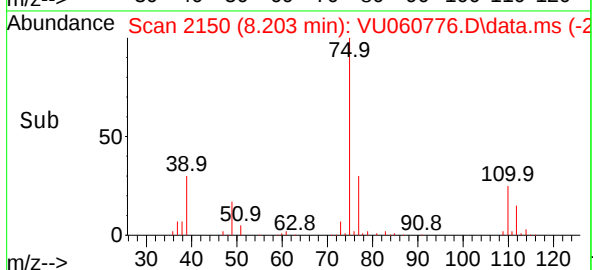
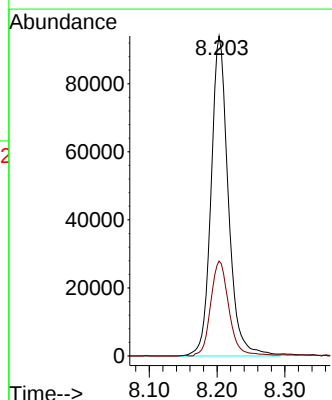
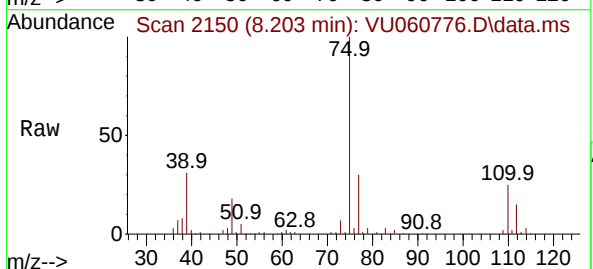
Acq: 16 Sep 2024 12:05

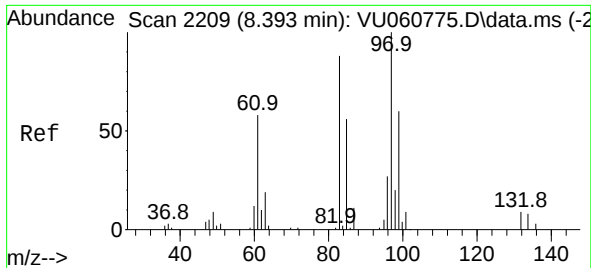
Tgt Ion: 75 Resp: 166274

Ion Ratio Lower Upper

75 100

77 29.7 23.1 42.9

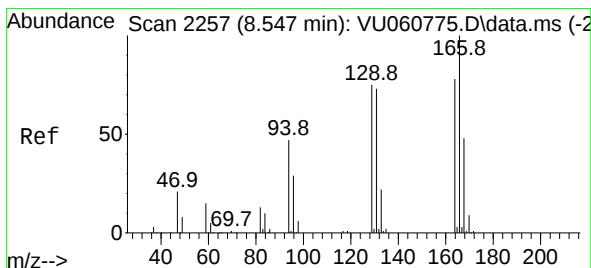
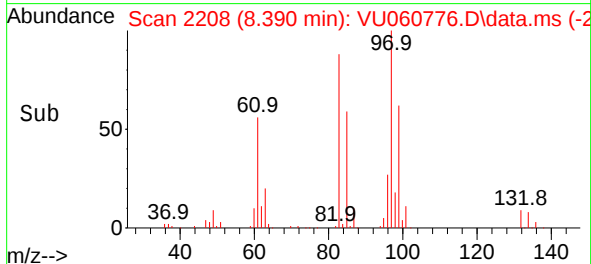
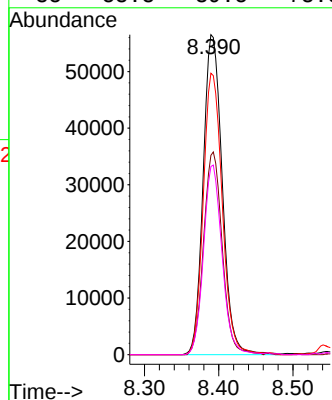
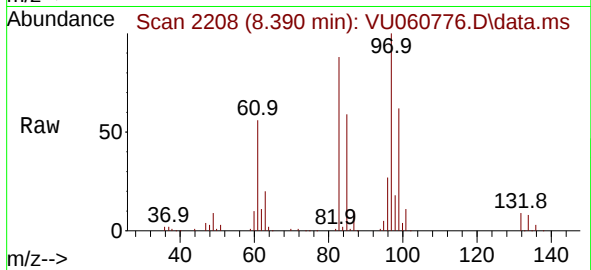




#45  
1,1,2-Trichloroethane  
Concen: 9.474 ug/L  
RT: 8.390 min Scan# 2209  
Delta R.T. -0.003 min  
Lab File: VU060776.D  
Acq: 16 Sep 2024 12:05

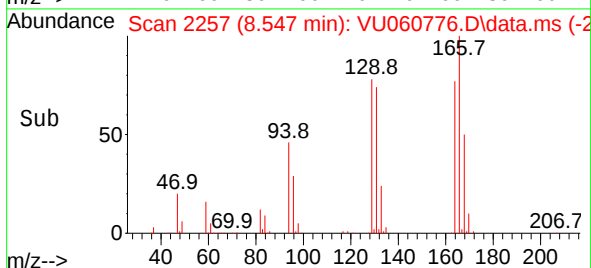
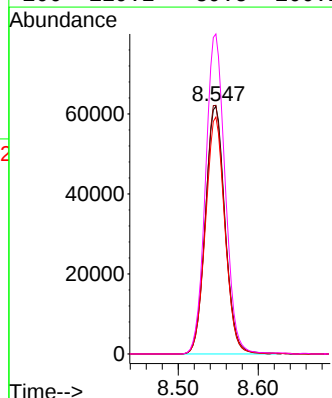
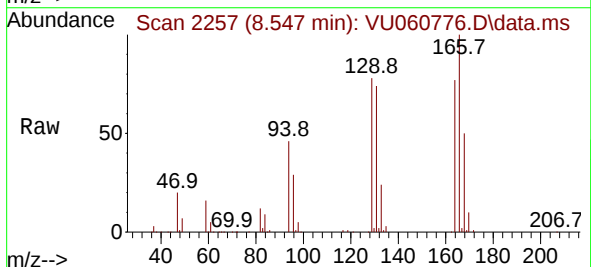
Instrument :  
MSVOA\_U  
ClientSampleId :

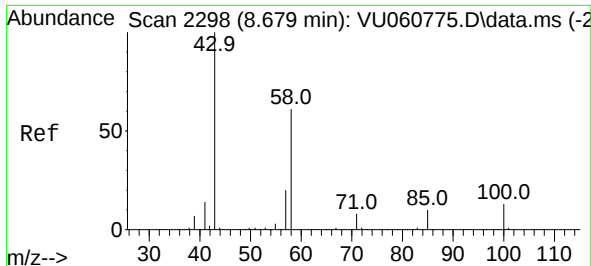
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 100754 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 62.3  | 42.3  | 78.5   |
| 83       | 87.9  | 61.7  | 114.5  |
| 85       | 58.8  | 39.5  | 73.3   |



#47  
Tetrachloroethene  
Concen: 9.067 ug/L  
RT: 8.547 min Scan# 2257  
Delta R.T. 0.000 min  
Lab File: VU060776.D  
Acq: 16 Sep 2024 12:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 105716 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 100.4 | 67.3  | 124.9  |
| 131      | 95.7  | 65.4  | 121.4  |
| 166      | 129.2 | 89.5  | 166.1  |





#48

2-Hexanone

Concen: 106.534 ug/L

RT: 8.676 min Scan# 2298

Delta R.T. -0.003 min

Lab File: VU060776.D

Acq: 16 Sep 2024 12:05

Instrument :

MSVOA\_U

ClientSampleId :

Tgt Ion: 43 Resp: 517188

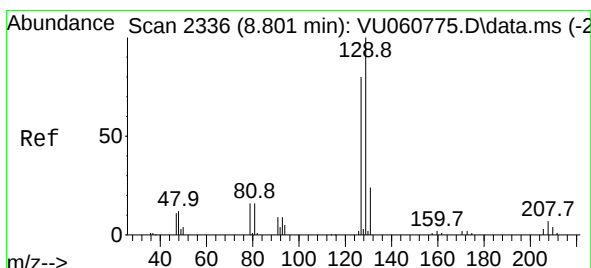
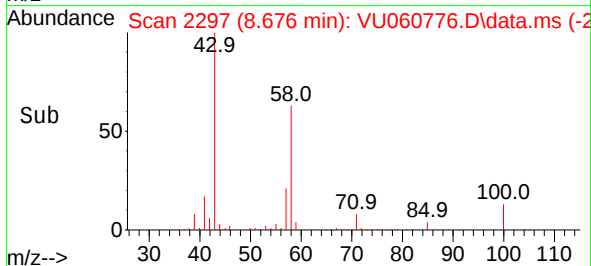
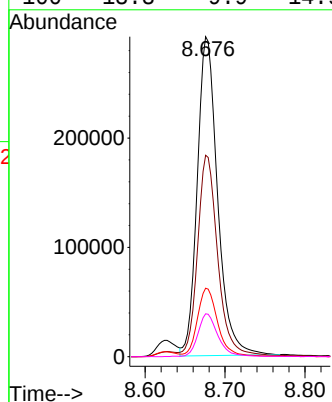
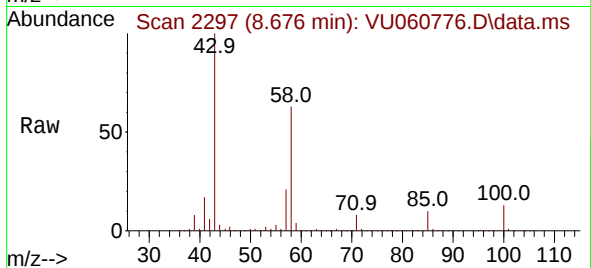
Ion Ratio Lower Upper

43 100

58 62.5 48.3 72.5

57 21.3 15.9 23.9

100 13.3 9.9 14.9



#49

Dibromochloromethane

Concen: 9.622 ug/L

RT: 8.801 min Scan# 2336

Delta R.T. 0.000 min

Lab File: VU060776.D

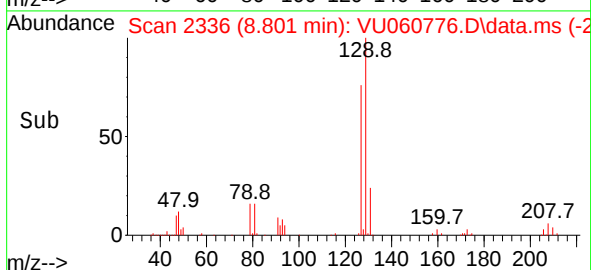
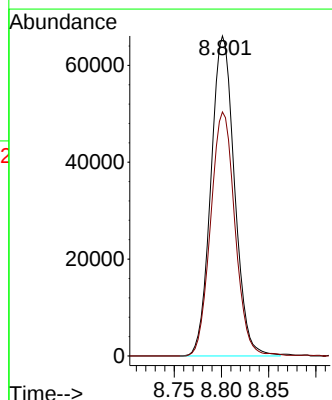
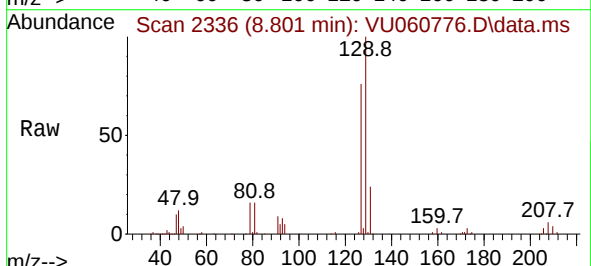
Acq: 16 Sep 2024 12:05

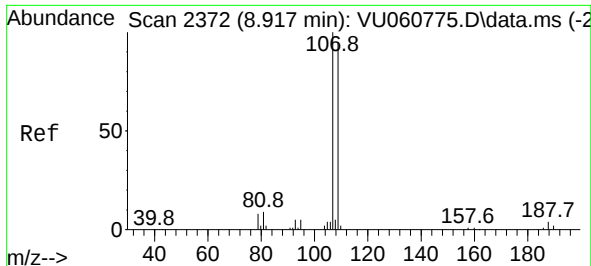
Tgt Ion: 129 Resp: 114732

Ion Ratio Lower Upper

129 100

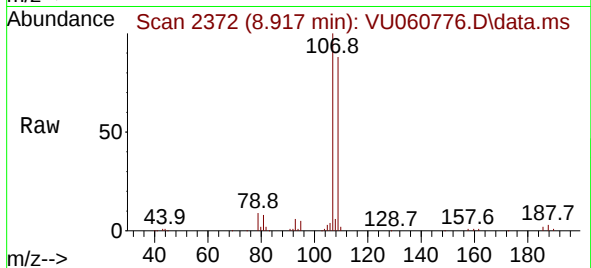
127 76.3 56.1 104.1



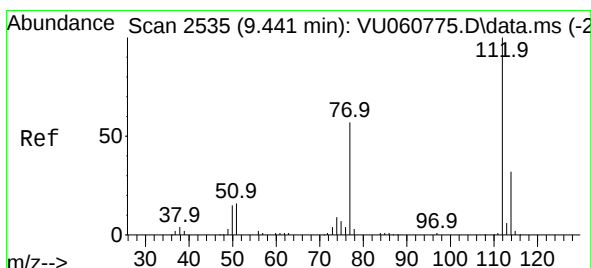
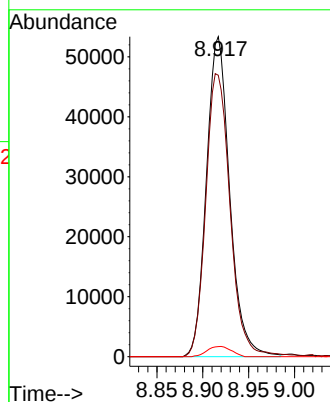
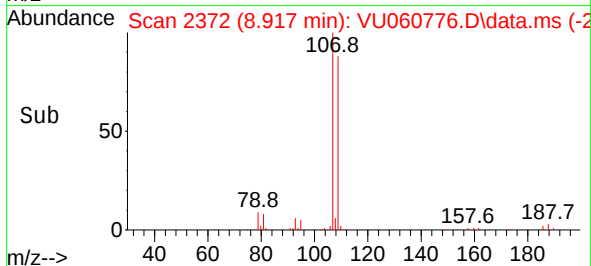


#50  
1,2-Dibromoethane  
Concen: 9.572 ug/L  
RT: 8.917 min Scan# 24  
Delta R.T. 0.000 min  
Lab File: VU060776.D  
Acq: 16 Sep 2024 12:05

Instrument :  
MSVOA\_U  
ClientSampleId :

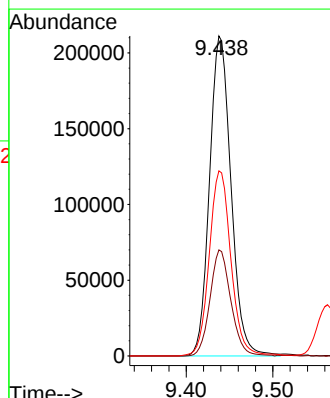
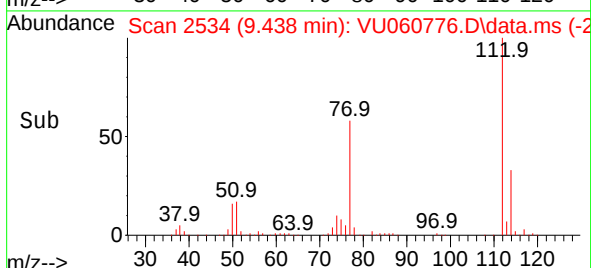
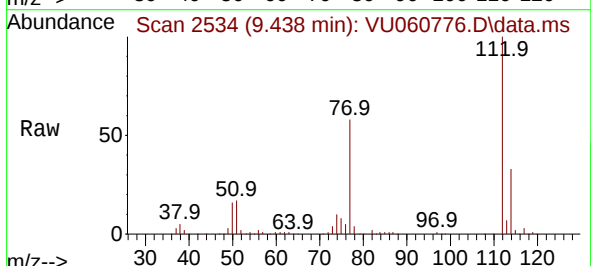


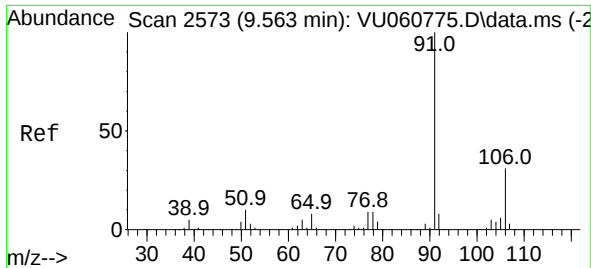
Tgt Ion:107 Resp: 94357  
Ion Ratio Lower Upper  
107 100  
109 88.0 66.8 124.0  
188 3.1 3.4 5.0#



#51  
Chlorobenzene  
Concen: 9.683 ug/L  
RT: 9.438 min Scan# 2534  
Delta R.T. -0.003 min  
Lab File: VU060776.D  
Acq: 16 Sep 2024 12:05

Tgt Ion:112 Resp: 363831  
Ion Ratio Lower Upper  
112 100  
114 33.2 22.2 41.2  
77 57.8 46.1 69.1

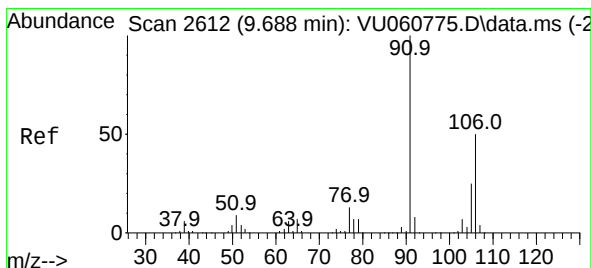
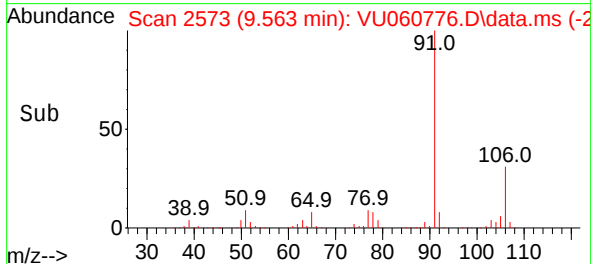
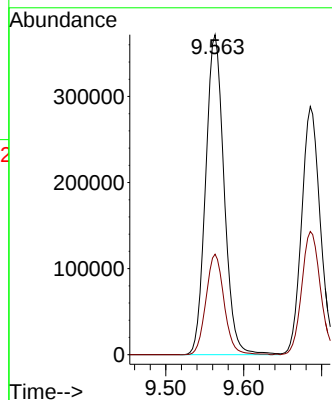
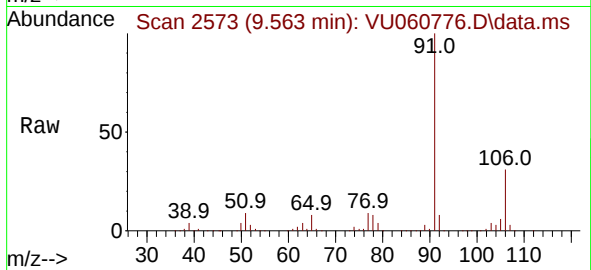




#52  
Ethylbenzene  
Concen: 10.099 ug/L  
RT: 9.563 min Scan# 2573  
Delta R.T. 0.000 min  
Lab File: VU060776.D  
Acq: 16 Sep 2024 12:05

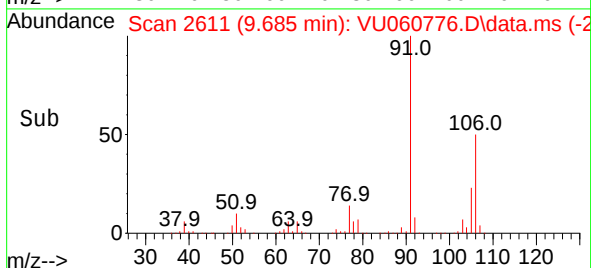
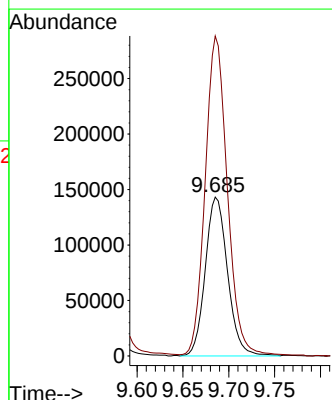
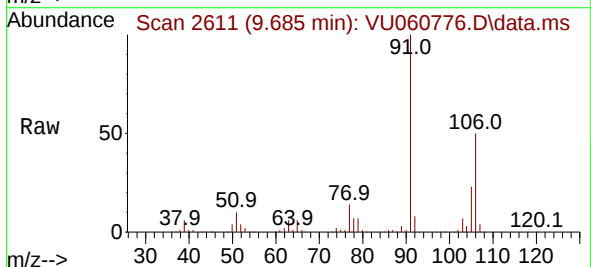
Instrument :  
MSVOA\_U  
ClientSampleId :

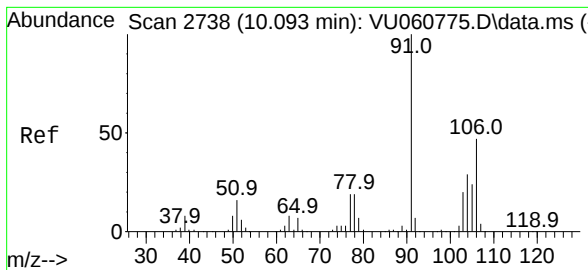
Tgt Ion: 91 Resp: 610911  
Ion Ratio Lower Upper  
91 100  
106 31.4 21.8 40.6



#53  
m,p-Xylene  
Concen: 10.400 ug/L  
RT: 9.685 min Scan# 2611  
Delta R.T. -0.003 min  
Lab File: VU060776.D  
Acq: 16 Sep 2024 12:05

Tgt Ion:106 Resp: 242090  
Ion Ratio Lower Upper  
106 100  
91 201.4 139.7 259.4

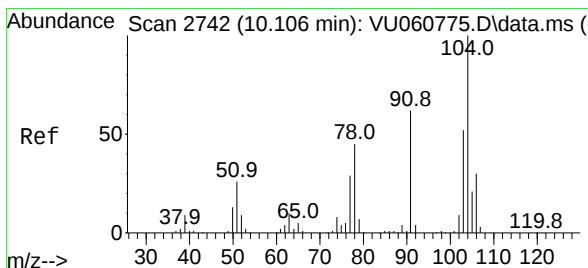
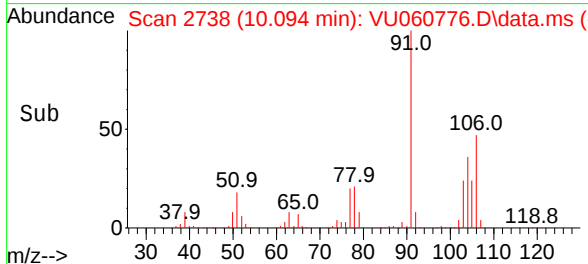
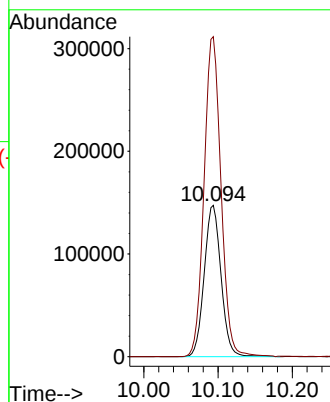
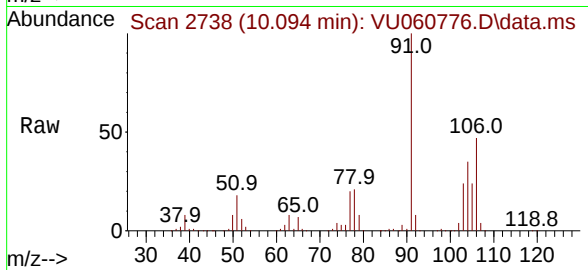




#54  
o-Xylene  
Concen: 10.443 ug/L  
RT: 10.094 min Scan# 2738  
Delta R.T. 0.000 min  
Lab File: VU060776.D  
Acq: 16 Sep 2024 12:05

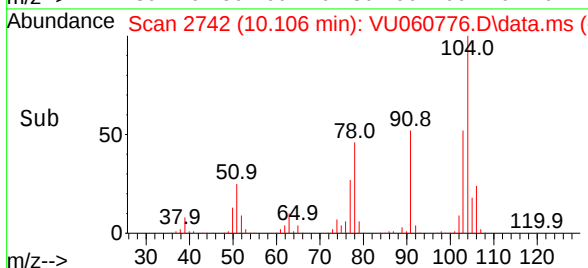
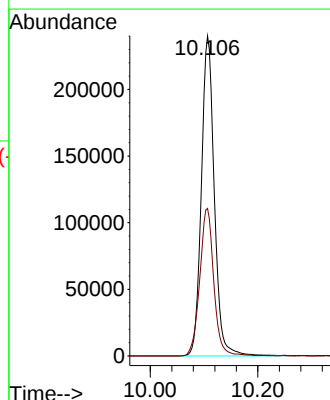
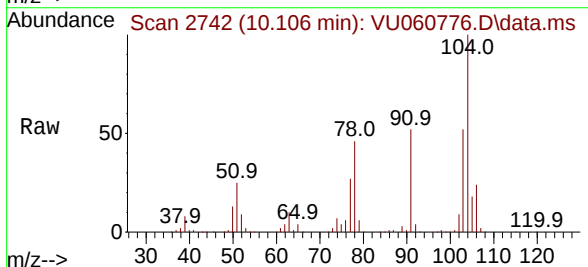
Instrument :  
MSVOA\_U  
ClientSampleId :

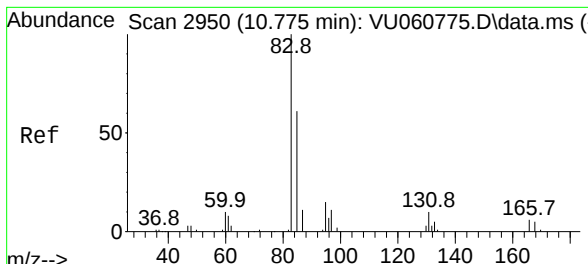
Tgt Ion:106 Resp: 231542  
Ion Ratio Lower Upper  
106 100  
91 211.4 148.6 276.0



#55  
Styrene  
Concen: 10.725 ug/L  
RT: 10.106 min Scan# 2742  
Delta R.T. 0.000 min  
Lab File: VU060776.D  
Acq: 16 Sep 2024 12:05

Tgt Ion:104 Resp: 402093  
Ion Ratio Lower Upper  
104 100  
78 46.1 31.7 58.9



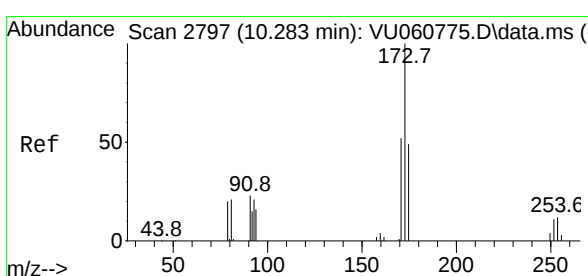
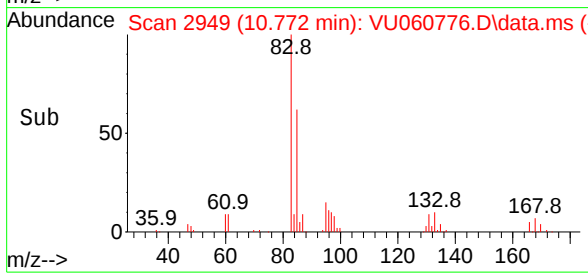
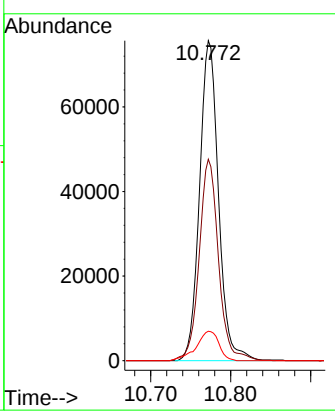
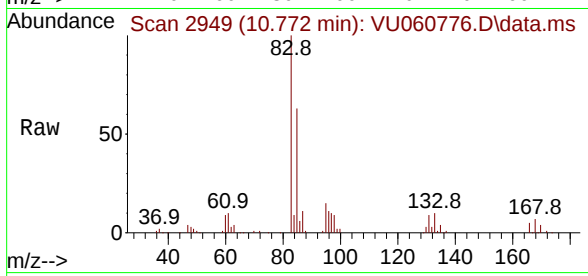


#57  
 1,1,2,2-Tetrachloroethane  
 Concen: 9.563 ug/L  
 RT: 10.772 min Scan# 2949  
 Delta R.T. -0.003 min  
 Lab File: VU060776.D  
 Acq: 16 Sep 2024 12:05

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Tgt Ion: 83 Resp: 124802

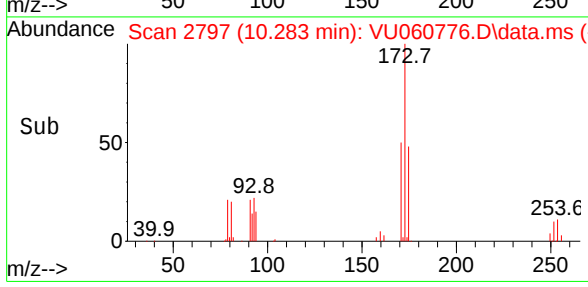
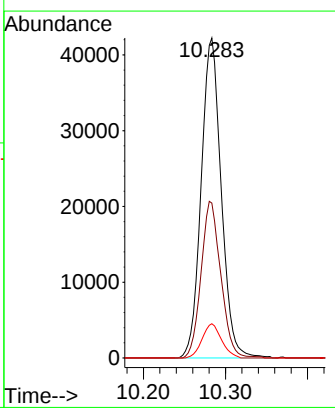
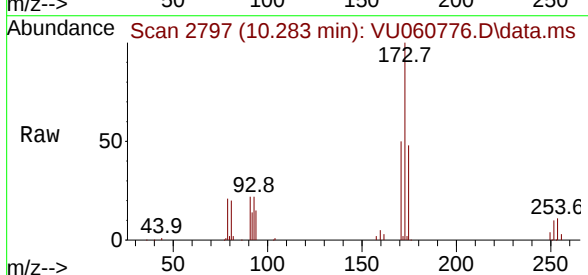
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 85  | 62.9  | 42.9  | 79.7  |
| 131 | 9.2   | 8.4   | 12.6  |

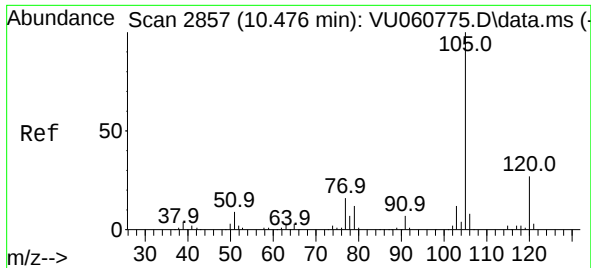


#59  
 Bromoform  
 Concen: 9.774 ug/L  
 RT: 10.283 min Scan# 2797  
 Delta R.T. 0.000 min  
 Lab File: VU060776.D  
 Acq: 16 Sep 2024 12:05

Tgt Ion: 173 Resp: 71705

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 173 | 100   |       |       |
| 175 | 48.0  | 39.1  | 58.7  |
| 254 | 10.3  | 8.7   | 13.1  |

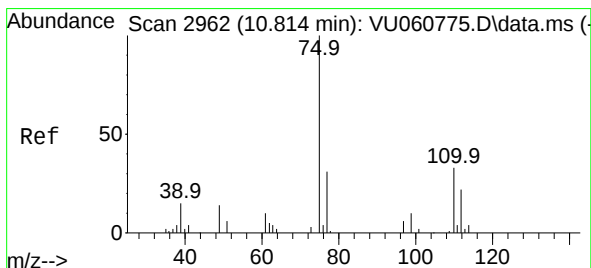
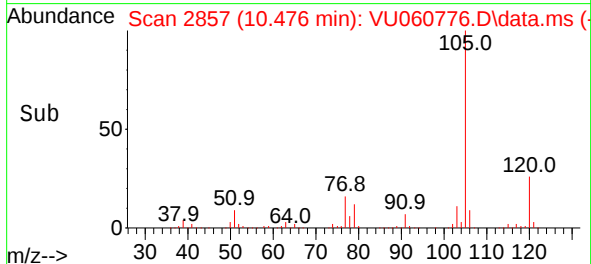
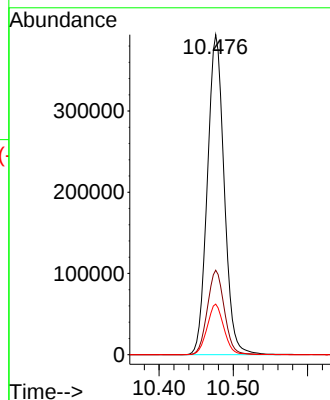
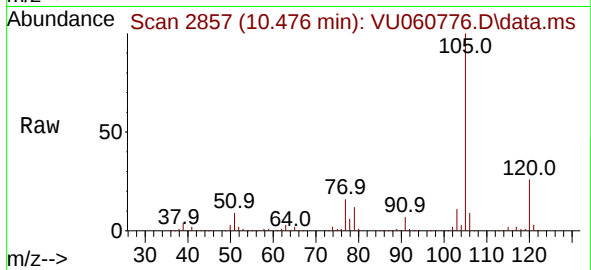




#60  
Isopropylbenzene  
Concen: 10.475 ug/L  
RT: 10.476 min Scan# 2857  
Delta R.T. 0.000 min  
Lab File: VU060776.D  
Acq: 16 Sep 2024 12:05

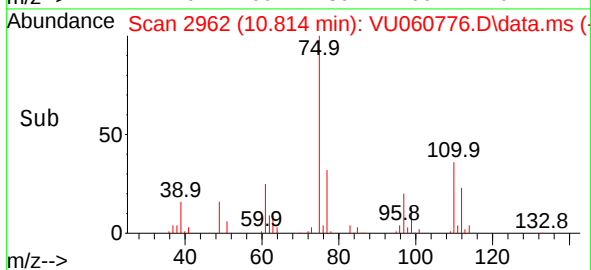
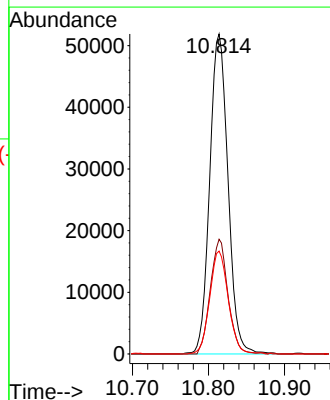
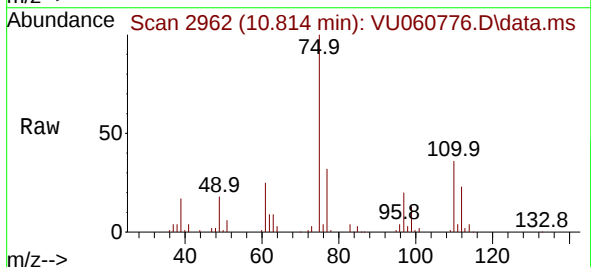
Instrument :  
MSVOA\_U  
ClientSampleId :

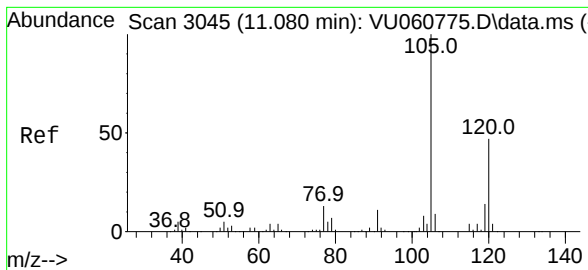
Tgt Ion:105 Resp: 618558  
Ion Ratio Lower Upper  
105 100  
120 26.7 21.5 32.3  
77 15.8 12.6 18.8



#61  
1,2,3-Trichloropropane  
Concen: 9.840 ug/L  
RT: 10.814 min Scan# 2962  
Delta R.T. 0.000 min  
Lab File: VU060776.D  
Acq: 16 Sep 2024 12:05

Tgt Ion: 75 Resp: 86592  
Ion Ratio Lower Upper  
75 100  
110 34.6 28.6 43.0  
77 32.6 26.3 39.5

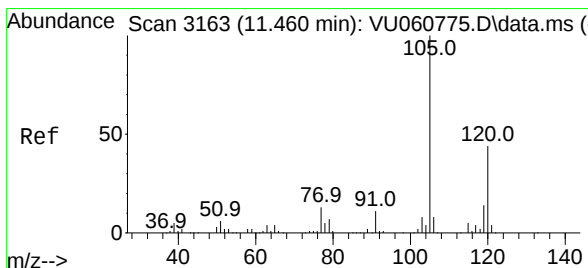
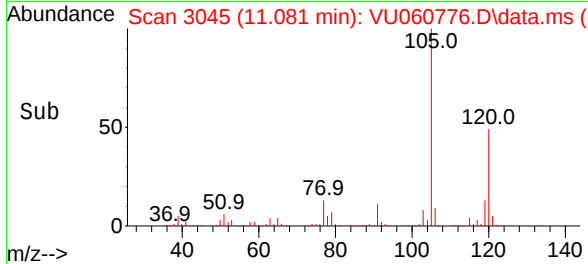
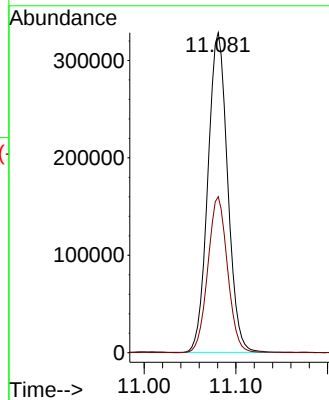
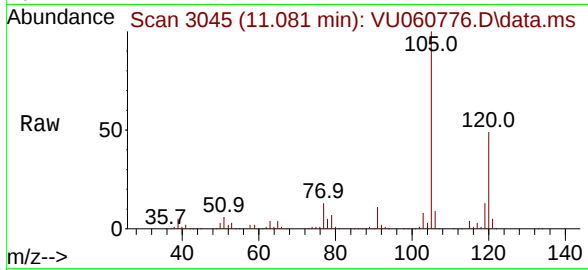




#62  
 1,3,5-Trimethylbenzene  
 Concen: 10.578 ug/L  
 RT: 11.081 min Scan# 3045  
 Delta R.T. 0.000 min  
 Lab File: VU060776.D  
 Acq: 16 Sep 2024 12:05

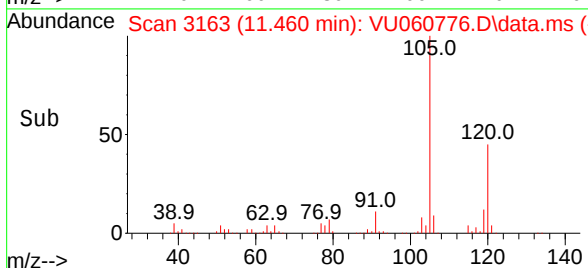
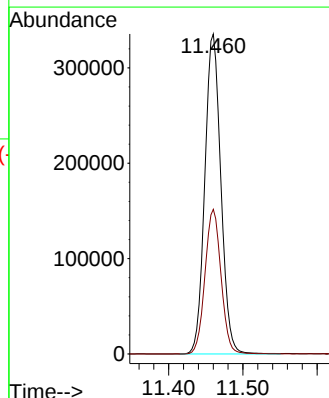
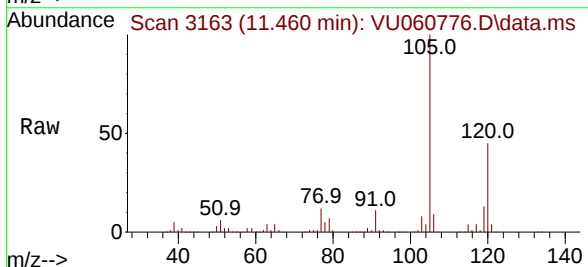
Instrument :  
 MSVOA\_U  
 ClientSampleId :

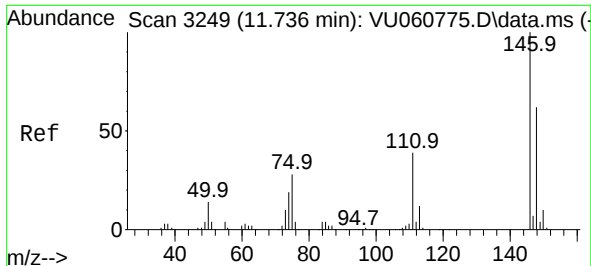
Tgt Ion:105 Resp: 491741  
 Ion Ratio Lower Upper  
 105 100  
 120 48.8 38.5 57.7



#63  
 1,2,4-Trimethylbenzene  
 Concen: 11.246 ug/L  
 RT: 11.460 min Scan# 3163  
 Delta R.T. 0.000 min  
 Lab File: VU060776.D  
 Acq: 16 Sep 2024 12:05

Tgt Ion:105 Resp: 503191  
 Ion Ratio Lower Upper  
 105 100  
 120 45.2 36.1 54.1





#64

1,3-Dichlorobenzene

Concen: 9.750 ug/L

RT: 11.737 min Scan# 3249

Delta R.T. 0.000 min

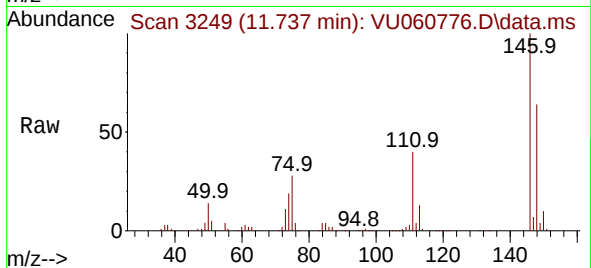
Lab File: VU060776.D

Acq: 16 Sep 2024 12:05

Instrument :

MSVOA\_U

ClientSampleId :



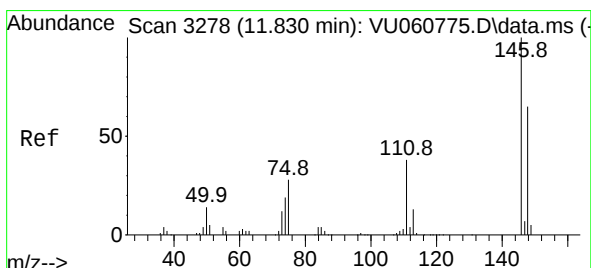
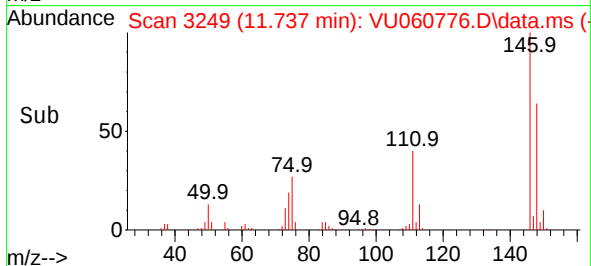
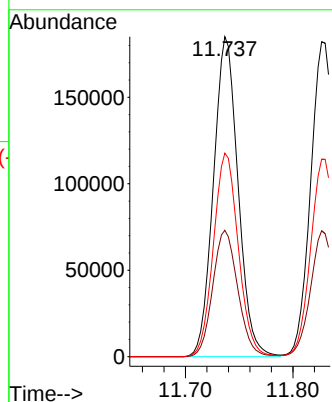
Tgt Ion:146 Resp: 294636

Ion Ratio Lower Upper

146 100

111 39.5 27.5 51.1

148 63.6 43.7 81.1



#65

1,4-Dichlorobenzene

Concen: 9.569 ug/L

RT: 11.827 min Scan# 3277

Delta R.T. -0.003 min

Lab File: VU060776.D

Acq: 16 Sep 2024 12:05

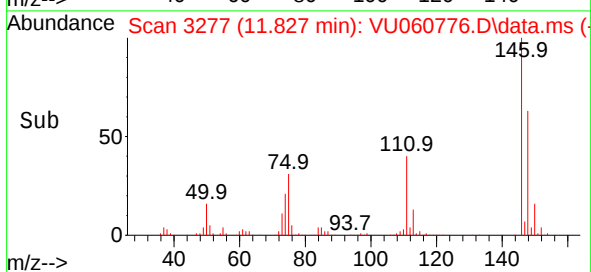
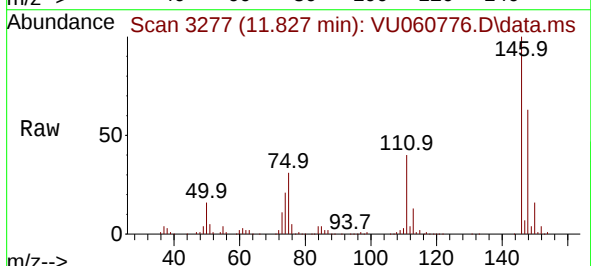
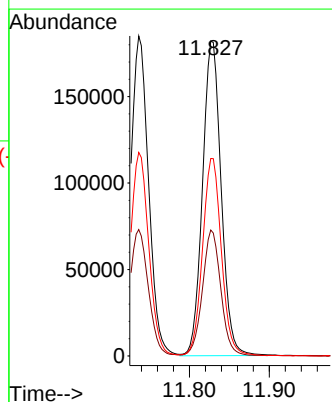
Tgt Ion:146 Resp: 295899

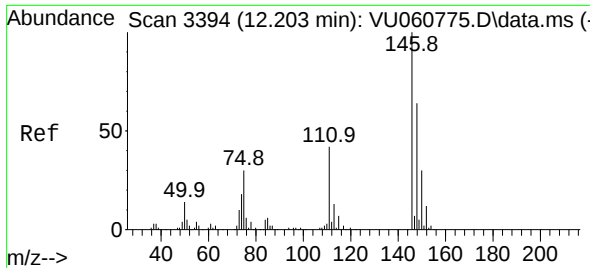
Ion Ratio Lower Upper

146 100

111 40.0 26.3 48.9

148 62.7 45.3 84.1

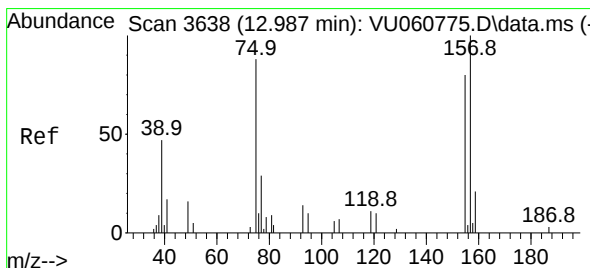
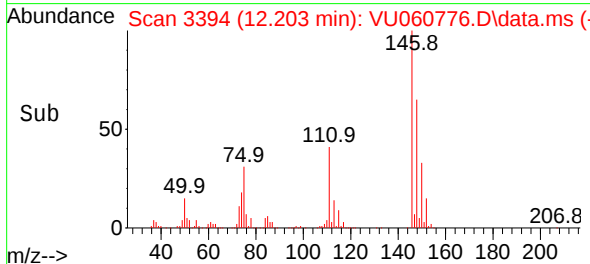
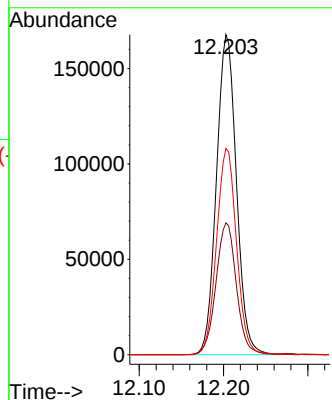
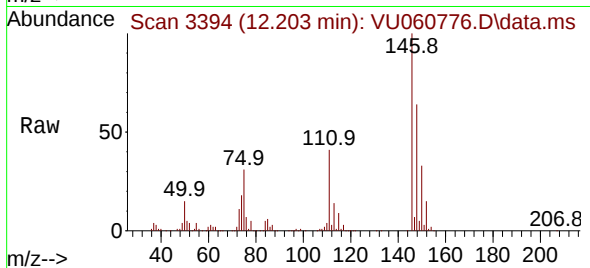




#67  
1,2-Dichlorobenzene  
Concen: 9.724 ug/L  
RT: 12.203 min Scan# 3394  
Delta R.T. 0.000 min  
Lab File: VU060776.D  
Acq: 16 Sep 2024 12:05

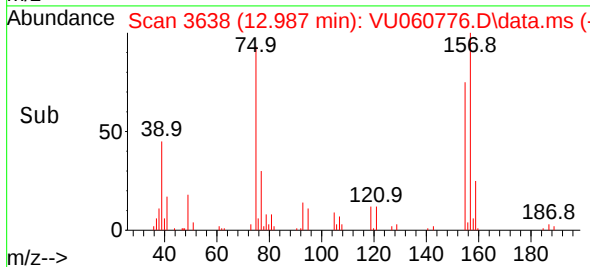
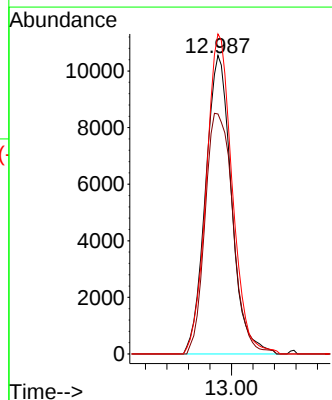
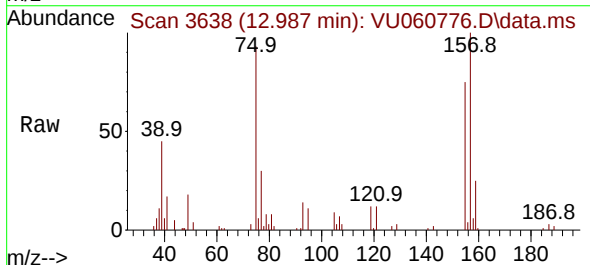
Instrument :  
MSVOA\_U  
ClientSampleId :

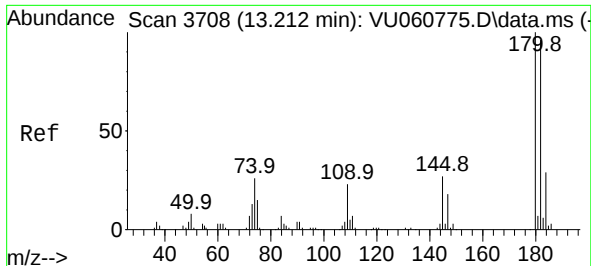
Tgt Ion:146 Resp: 275857  
Ion Ratio Lower Upper  
146 100  
111 41.2 33.4 50.0  
148 64.4 50.9 76.3



#68  
1,2-Dibromo-3-chloropropane  
Concen: 10.163 ug/L  
RT: 12.987 min Scan# 3638  
Delta R.T. 0.000 min  
Lab File: VU060776.D  
Acq: 16 Sep 2024 12:05

Tgt Ion: 75 Resp: 17694  
Ion Ratio Lower Upper  
75 100  
155 80.4 73.1 109.7  
157 107.2 91.0 136.4





#69

1,3,5-Trichlorobenzene

Concen: 9.849 ug/L

RT: 13.209 min Scan# 31

Delta R.T. -0.003 min

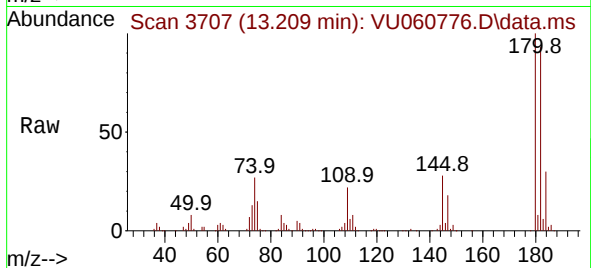
Lab File: VU060776.D

Acq: 16 Sep 2024 12:05

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion:180 Resp: 220128

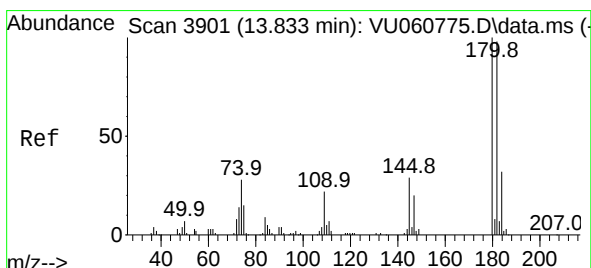
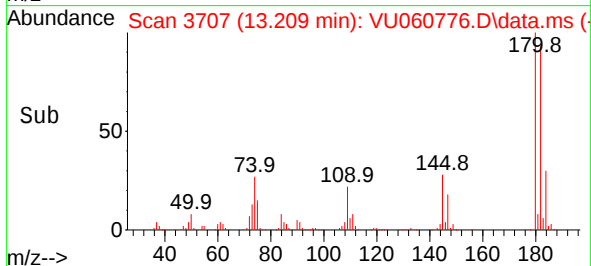
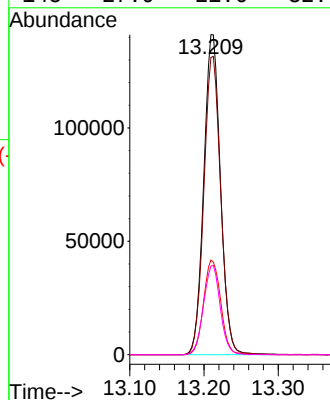
Ion Ratio Lower Upper

180 100

182 94.1 74.5 111.7

184 30.3 23.2 34.8

145 27.9 21.6 32.4



#70

1,2,4-trichlorobenzene

Concen: 10.261 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. 0.000 min

Lab File: VU060776.D

Acq: 16 Sep 2024 12:05

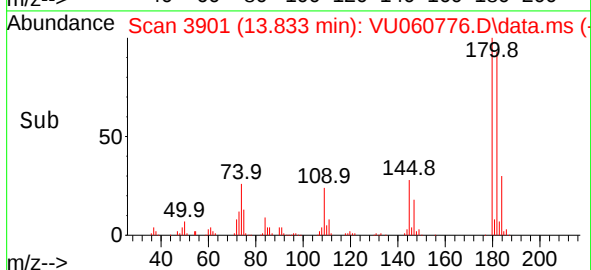
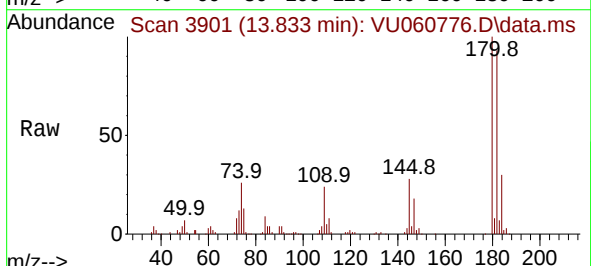
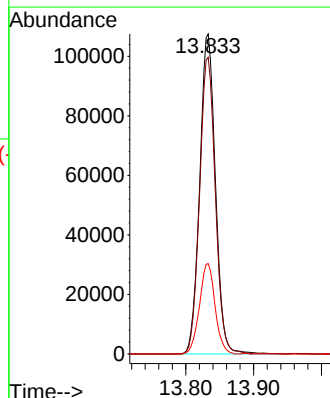
Tgt Ion:180 Resp: 173156

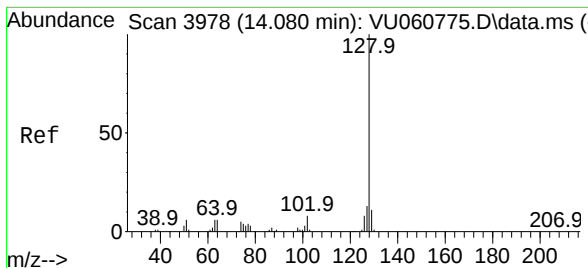
Ion Ratio Lower Upper

180 100

182 92.6 77.4 116.2

145 28.0 22.9 34.3





#71

Naphthalene

Concen: 9.831 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. 0.000 min

Lab File: VU060776.D

Acq: 16 Sep 2024 12:05

Instrument :

MSVOA\_U

ClientSampleId :

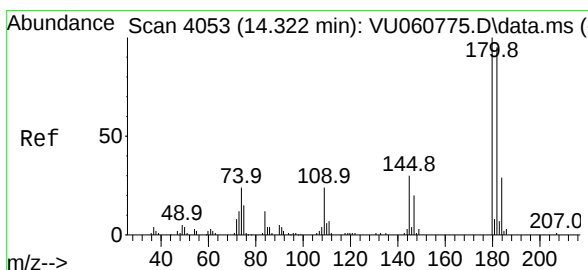
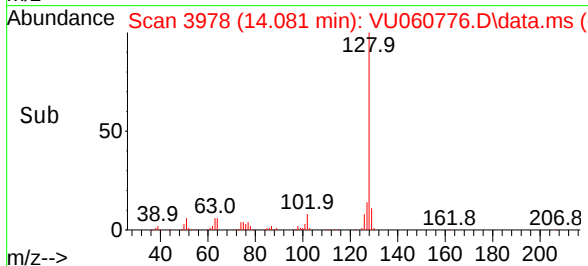
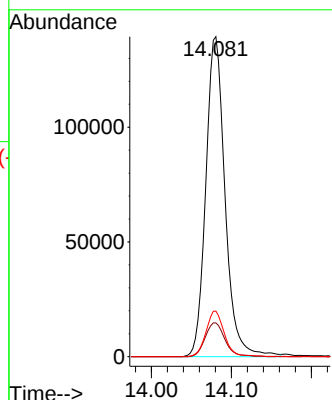
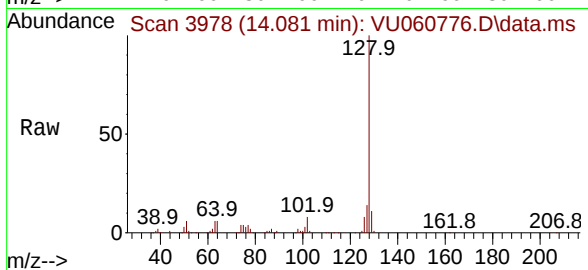
Tgt Ion:128 Resp: 233969

Ion Ratio Lower Upper

128 100

129 10.9 8.3 12.5

127 13.6 10.7 16.1



#72

1,2,3-Trichlorobenzene

Concen: 9.728 ug/L

RT: 14.319 min Scan# 4052

Delta R.T. -0.003 min

Lab File: VU060776.D

Acq: 16 Sep 2024 12:05

Tgt Ion:180 Resp: 151361

Ion Ratio Lower Upper

180 100

182 93.8 75.7 113.5

145 30.0 23.5 35.3

