

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU120924\  
 Data File : VU062152.D  
 Acq On : 09 Dec 2024 11:16  
 Operator : MD/SY  
 Sample : VSTD00157  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Dec 09 12:57:04 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR120924WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Mon Dec 09 12:03:03 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| Internal Standards            |        |      |          |       |        |          |
| 1) 1,4-Difluorobenzene        | 6.238  | 114  | 112868   | 5.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.409  | 117  | 105548   | 5.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152  | 51037    | 5.000 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |       |        |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65   | 6547     | 1.183 | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.907  | 69   | 4973     | 1.015 | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65   | 3150     | 1.424 | ug/L   | 0.00     |
| 20) 2-Butanone-d5             | 4.644  | 46   | 11981    | 6.891 | ug/L   | 0.01     |
| 24) Chloroform-d              | 5.055  | 84   | 14211    | 1.052 | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65   | 6706     | 0.965 | ug/L   | 0.00     |
| 32) Benzene-d6                | 5.721  | 84   | 26056    | 1.267 | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67   | 7515     | 1.075 | ug/L   | 0.00     |
| 41) Toluene-d8                | 7.891  | 98   | 24547    | 1.431 | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79   | 2995     | 1.158 | ug/L   | 0.00     |
| 46) 2-Hexanone-d5             | 8.631  | 63   | 9344     | 7.914 | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746 | 84   | 6094     | 0.873 | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152  | 8326     | 1.103 | ug/L   | 0.00     |
| Target Compounds              |        |      |          |       |        |          |
|                               |        |      |          |       |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.383  | 85   | 10220    | 1.035 | ug/L   | 99       |
| 3) Chloromethane              | 1.518  | 50   | 8350     | 0.820 | ug/L   | 99       |
| 5) Vinyl chloride             | 1.599  | 62   | 8251     | 0.789 | ug/L   | 95       |
| 6) Bromomethane               | 1.853  | 94   | 5625     | 0.904 | ug/L   | 100      |
| 8) Chloroethane               | 1.930  | 64   | 4922     | 0.730 | ug/L   | 94       |
| 9) Trichlorofluoromethane     | 2.132  | 101  | 14641    | 1.107 | ug/L   | 96       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.573  | 101  | 8064     | 0.991 | ug/L   | 90       |
| 12) 1,1-Dichloroethene        | 2.573  | 96   | 7381     | 0.975 | ug/L   | 82       |
| 13) Acetone                   | 2.640  | 43   | 9872     | 8.224 | ug/L   | 98       |
| 14) Carbon disulfide          | 2.785  | 76   | 23274    | 0.967 | ug/L   | 96       |
| 15) Methyl Acetate            | 2.962  | 43   | 2476     | 0.803 | ug/L   | 99       |
| 16) Methylene chloride        | 3.036  | 84   | 7606     | 0.837 | ug/L   | 88       |
| 17) Methyl tert-butyl Ether   | 3.357  | 73   | 18062    | 0.931 | ug/L   | 94       |
| 18) trans-1,2-Dichloroethene  | 3.348  | 96   | 7678     | 0.960 | ug/L   | 92       |
| 19) 1,1-Dichloroethane        | 3.862  | 63   | 14184    | 0.910 | ug/L   | 97       |
| 21) 2-Butanone                | 4.721  | 43   | 12508    | 6.447 | ug/L   | 89       |
| 22) cis-1,2-Dichloroethene    | 4.666  | 96   | 8536     | 0.948 | ug/L   | 87       |
| 23) Bromochloromethane        | 4.972  | 128  | 3996     | 1.021 | ug/L # | 79       |
| 25) Chloroform                | 5.078  | 83   | 16726    | 1.027 | ug/L   | 98       |
| 27) 1,2-Dichloroethane        | 5.788  | 62   | 10081    | 0.962 | ug/L   | 96       |
| 29) 1,1,1-Trichloroethane     | 5.303  | 97   | 14297    | 1.175 | ug/L   | 95       |
| 30) Cyclohexane               | 5.377  | 56   | 11453    | 0.900 | ug/L   | 95       |
| 31) Carbon tetrachloride      | 5.518  | 117  | 13342    | 1.292 | ug/L   | 100      |
| 33) Benzene                   | 5.766  | 78   | 32341    | 1.015 | ug/L   | 100      |
| 34) Trichloroethene           | 6.537  | 95   | 9263     | 1.089 | ug/L   | 96       |
| 35) Methylcyclohexane         | 6.753  | 83   | 13014    | 1.000 | ug/L   | 96       |
| 37) 1,2-Dichloropropane       | 6.782  | 63   | 7629     | 0.921 | ug/L # | 95       |
| 38) Bromodichloromethane      | 7.097  | 83   | 10674    | 1.063 | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 7.602  | 75   | 11902    | 1.025 | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.785  | 43   | 35528    | 7.951 | ug/L # | 93       |
| 42) Toluene                   | 7.962  | 91   | 33784    | 1.010 | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 8.206  | 75   | 9406     | 1.020 | ug/L   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU120924\  
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 Acq On : 09 Dec 2024 11:16  
 Operator : MD/SY  
 Sample : VSTD00157  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

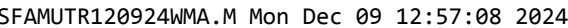
Instrument :  
 MSVOA\_U  
 ClientSampleId :

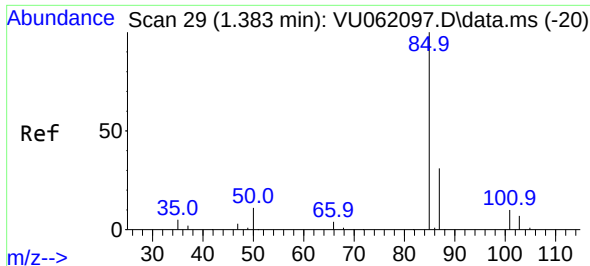
Quant Time: Dec 09 12:57:04 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR120924WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Mon Dec 09 12:03:03 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| 45) 1,1,2-Trichloroethane     | 8.393  | 97   | 5993     | 0.982 | ug/L   | 94       |
| 47) Tetrachloroethene         | 8.547  | 164  | 6969     | 1.126 | ug/L   | 94       |
| 48) 2-Hexanone                | 8.682  | 43   | 26148    | 7.814 | ug/L   | 92       |
| 49) Dibromochloromethane      | 8.801  | 129  | 6708     | 1.041 | ug/L   | 96       |
| 50) 1,2-Dibromoethane         | 8.920  | 107  | 5685     | 0.939 | ug/L # | 95       |
| 51) Chlorobenzene             | 9.441  | 112  | 21782    | 0.951 | ug/L   | 98       |
| 52) Ethylbenzene              | 9.563  | 91   | 37134    | 0.928 | ug/L   | 99       |
| 53) m,p-Xylene                | 9.688  | 106  | 13303    | 0.942 | ug/L   | 90       |
| 54) o-Xylene                  | 10.094 | 106  | 12741    | 0.894 | ug/L   | 96       |
| 55) Styrene                   | 10.110 | 104  | 20845    | 0.887 | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.772 | 83   | 6724     | 0.860 | ug/L   | 94       |
| 59) Bromoform                 | 10.280 | 173  | 4041     | 1.065 | ug/L   | 99       |
| 60) Isopropylbenzene          | 10.476 | 105  | 36177    | 0.909 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.817 | 75   | 4757     | 0.806 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 29922    | 0.943 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 28837    | 0.911 | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 11.740 | 146  | 16711    | 0.946 | ug/L   | 96       |
| 65) 1,4-Dichlorobenzene       | 11.830 | 146  | 16318    | 0.954 | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 12.206 | 146  | 15058    | 0.980 | ug/L   | 95       |
| 68) 1,2-Dibromo-3-chloropr... | 12.994 | 75   | 947      | 0.940 | ug/L   | 88       |
| 69) 1,3,5-Trichlorobenzene    | 13.212 | 180  | 12525    | 1.192 | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene    | 13.836 | 180  | 8396     | 1.042 | ug/L   | 94       |
| 71) Naphthalene               | 14.090 | 128  | 11535    | 0.888 | ug/L   | 97       |
| 72) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 7797     | 1.124 | ug/L   | 93       |
| -----                         |        |      |          |       |        |          |

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

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QLast Update : Mon Dec 09 12:03:03 2024  
Response via : Initial Calibration

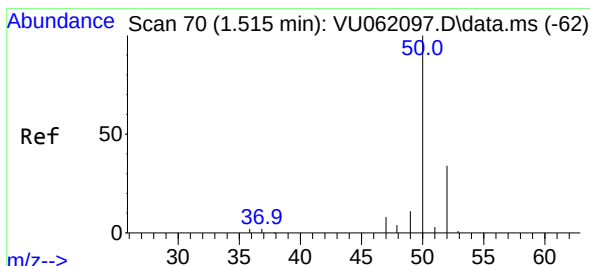
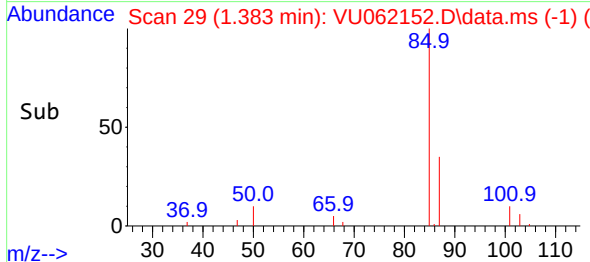
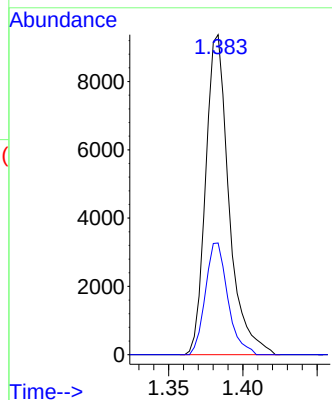
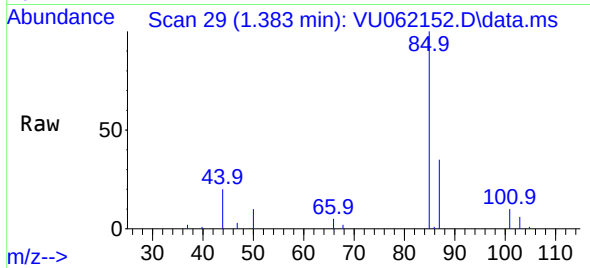




#2  
Dichlorodifluoromethane  
Concen: 1.035 ug/L  
RT: 1.383 min Scan# 29  
Delta R.T. 0.000 min  
Lab File: VU062152.D  
Acq: 09 Dec 2024 11:16

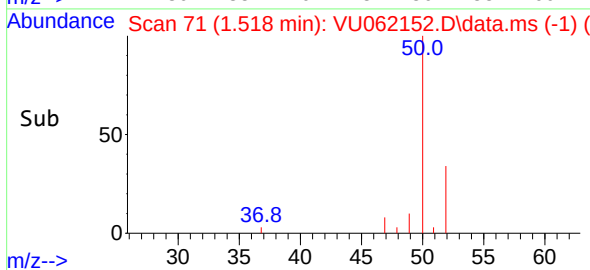
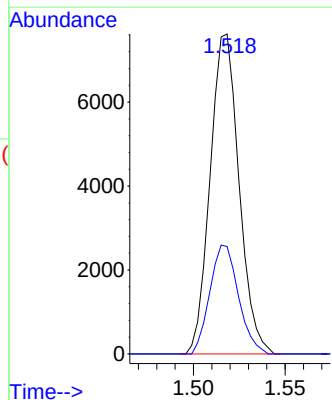
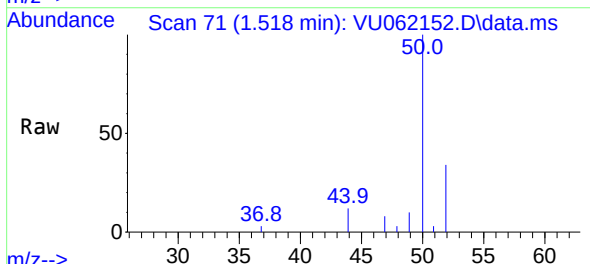
Instrument :  
MSVOA\_U  
ClientSampleId :

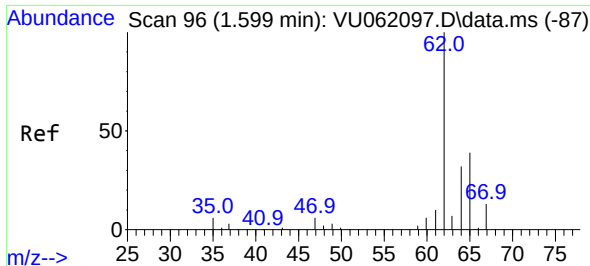
Tgt Ion: 85 Resp: 10220  
Ion Ratio Lower Upper  
85 100  
87 33.6 26.6 40.0



#3  
Chloromethane  
Concen: 0.820 ug/L  
RT: 1.518 min Scan# 71  
Delta R.T. 0.003 min  
Lab File: VU062152.D  
Acq: 09 Dec 2024 11:16

Tgt Ion: 50 Resp: 8350  
Ion Ratio Lower Upper  
50 100  
52 33.6 23.1 42.9

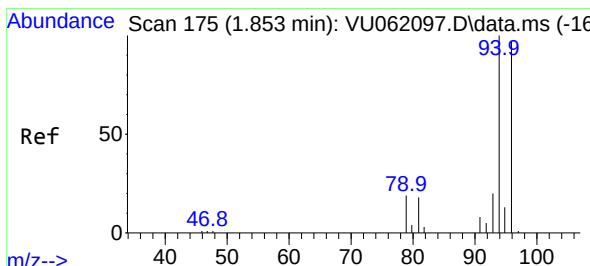
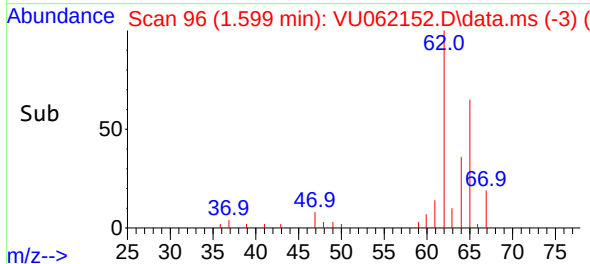
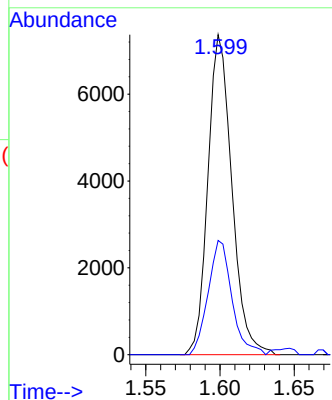
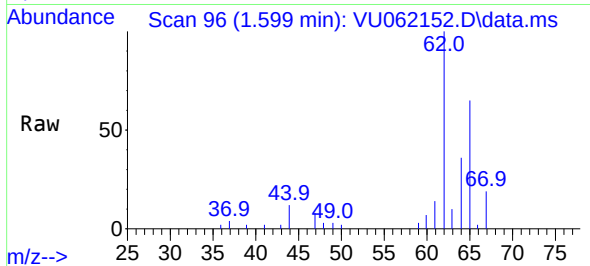




#5  
Vinyl chloride  
Concen: 0.789 ug/L  
RT: 1.599 min Scan# 96  
Delta R.T. -0.000 min  
Lab File: VU062152.D  
Acq: 09 Dec 2024 11:16

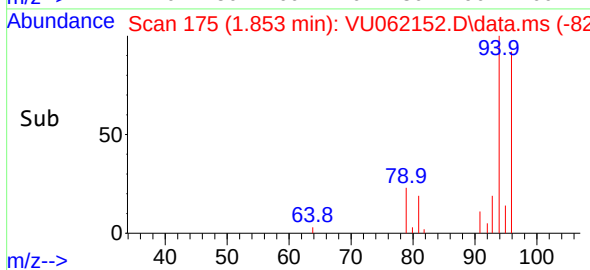
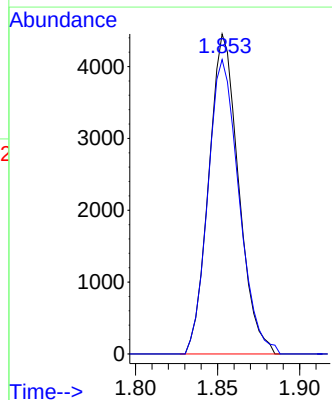
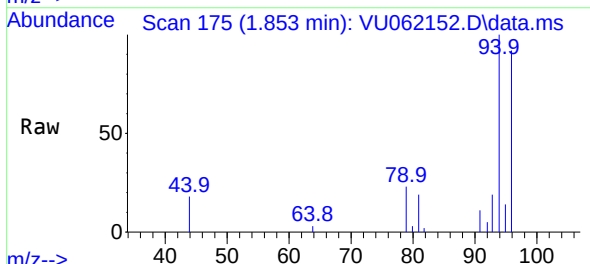
Instrument :  
MSVOA\_U  
ClientSampleId :

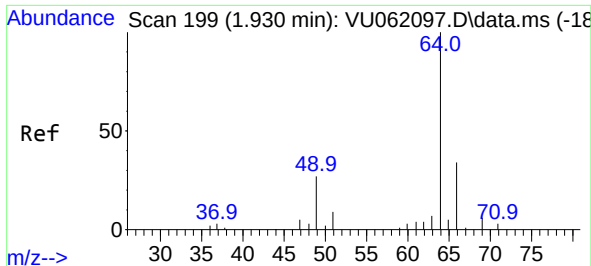
Tgt Ion: 62 Resp: 8251  
Ion Ratio Lower Upper  
62 100  
64 35.7 23.1 42.9



#6  
Bromomethane  
Concen: 0.904 ug/L  
RT: 1.853 min Scan# 175  
Delta R.T. -0.000 min  
Lab File: VU062152.D  
Acq: 09 Dec 2024 11:16

Tgt Ion: 94 Resp: 5625  
Ion Ratio Lower Upper  
94 100  
96 92.0 64.5 119.9

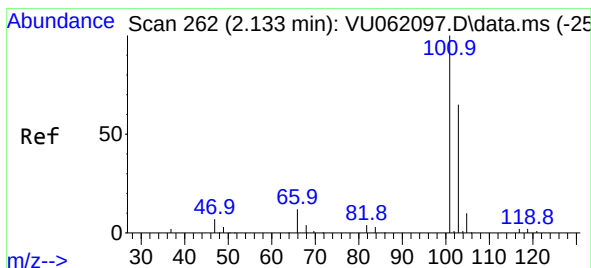
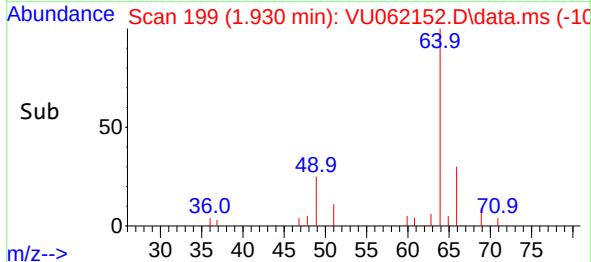
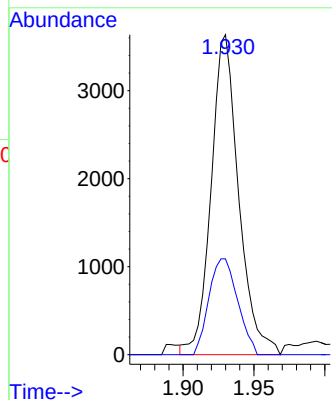
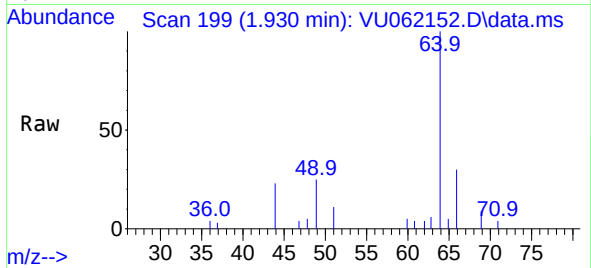




#8  
Chloroethane  
Concen: 0.730 ug/L  
RT: 1.930 min Scan# 199  
Delta R.T. -0.000 min  
Lab File: VU062152.D  
Acq: 09 Dec 2024 11:16

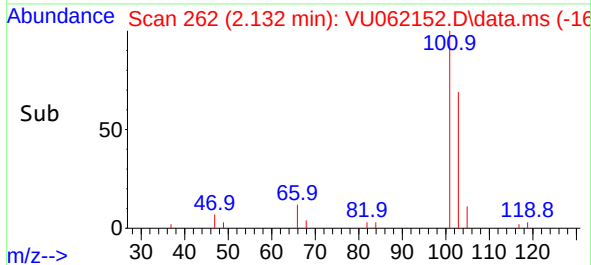
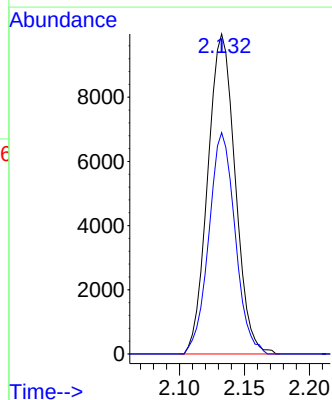
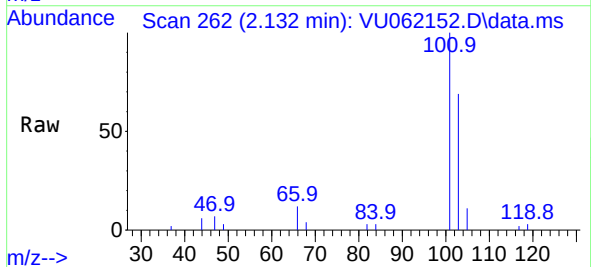
Instrument :  
MSVOA\_U  
ClientSampleId :

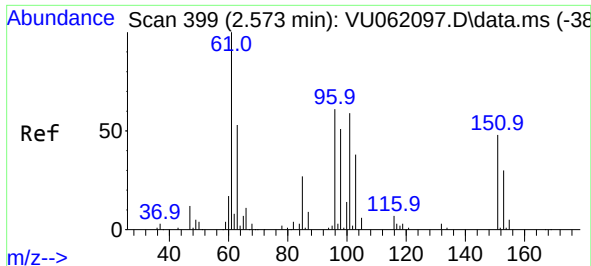
Tgt Ion: 64 Resp: 4922  
Ion Ratio Lower Upper  
64 100  
66 30.0 23.2 43.2



#9  
Trichlorofluoromethane  
Concen: 1.107 ug/L  
RT: 2.132 min Scan# 262  
Delta R.T. -0.000 min  
Lab File: VU062152.D  
Acq: 09 Dec 2024 11:16

Tgt Ion:101 Resp: 14641  
Ion Ratio Lower Upper  
101 100  
103 66.3 50.6 75.8

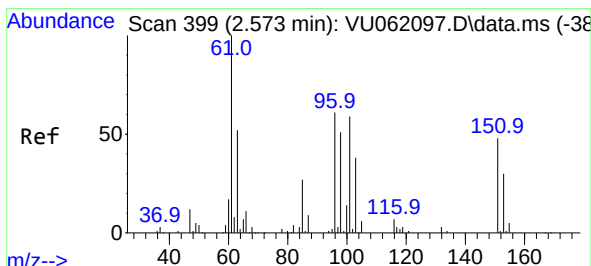
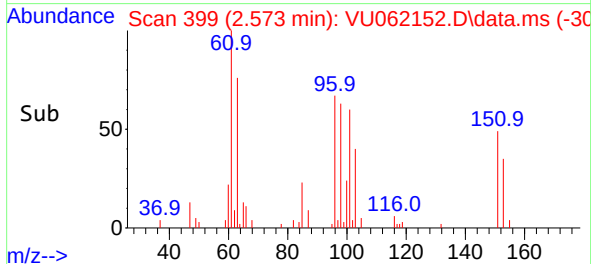
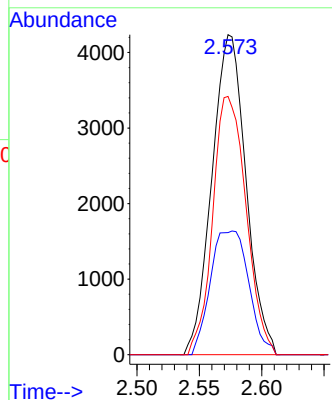
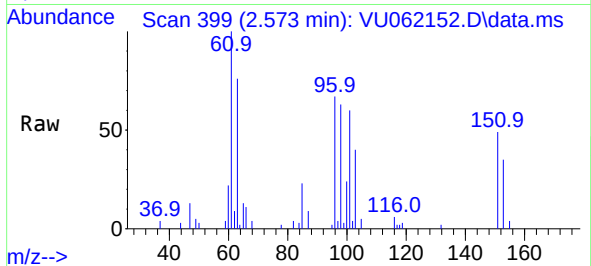




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.991 ug/L  
RT: 2.573 min Scan# 399  
Delta R.T. -0.000 min  
Lab File: VU062152.D  
Acq: 09 Dec 2024 11:16

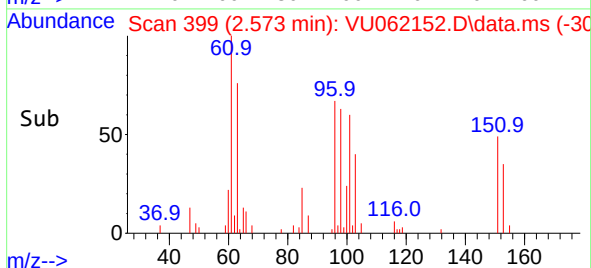
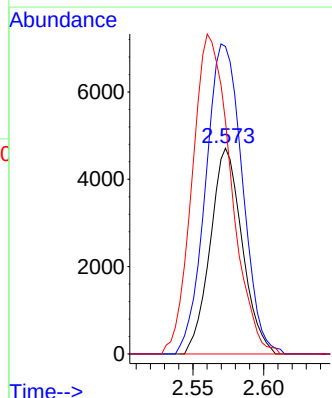
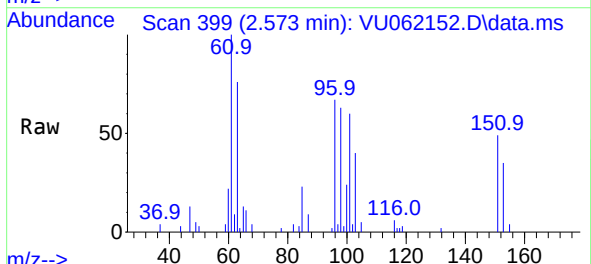
Instrument :  
MSVOA\_U  
ClientSampleId :

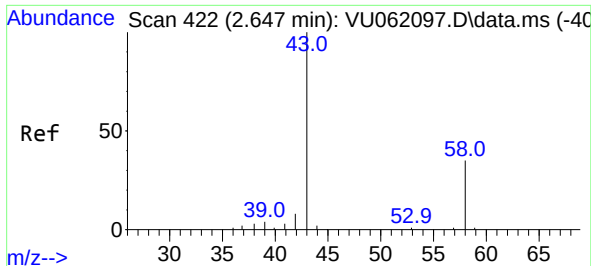
Tgt Ion:101 Resp: 8064  
Ion Ratio Lower Upper  
101 100  
85 43.5 38.0 57.0  
151 79.0 55.3 82.9



#12  
1,1-Dichloroethene  
Concen: 0.975 ug/L  
RT: 2.573 min Scan# 399  
Delta R.T. -0.000 min  
Lab File: VU062152.D  
Acq: 09 Dec 2024 11:16

Tgt Ion: 96 Resp: 7381  
Ion Ratio Lower Upper  
96 100  
61 149.5 119.6 222.2  
63 113.1 65.0 120.6





#13

Acetone

Concen: 8.224 ug/L

RT: 2.640 min Scan# 41

Delta R.T. -0.007 min

Lab File: VU062152.D

Acq: 09 Dec 2024 11:16

Instrument :

MSVOA\_U

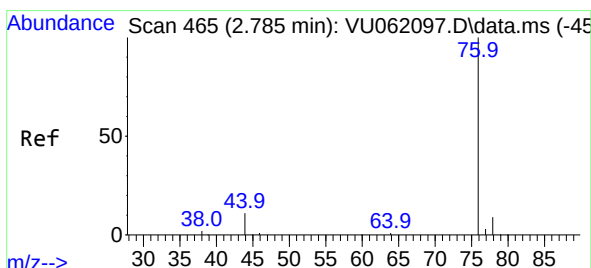
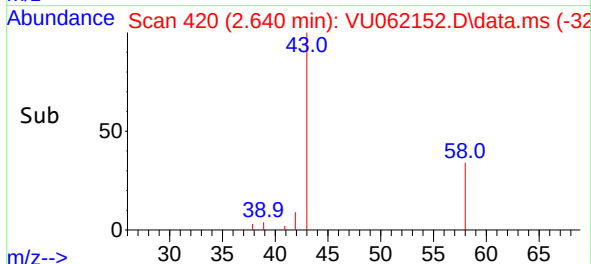
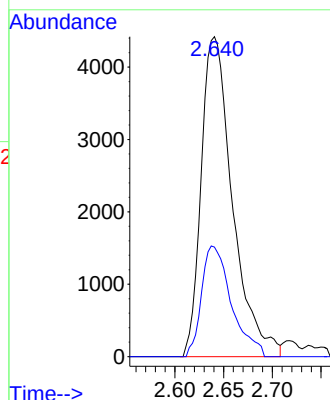
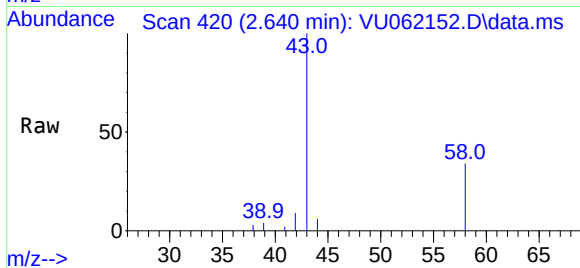
ClientSampleId :

Tgt Ion: 43 Resp: 9872

Ion Ratio Lower Upper

43 100

58 33.0 0.0 64.0



#14

Carbon disulfide

Concen: 0.967 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.000 min

Lab File: VU062152.D

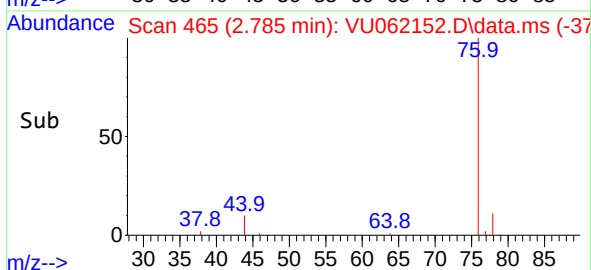
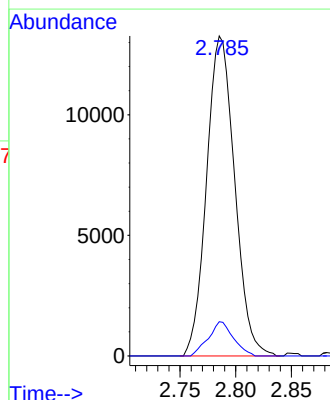
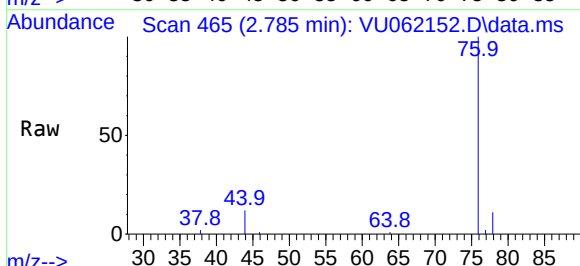
Acq: 09 Dec 2024 11:16

Tgt Ion: 76 Resp: 23274

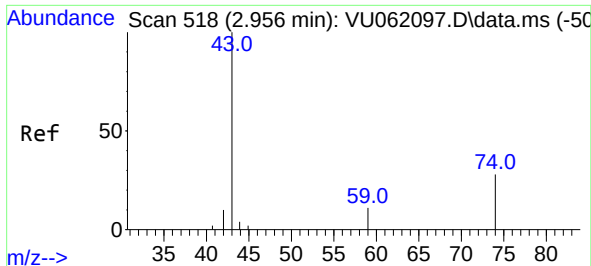
Ion Ratio Lower Upper

76 100

78 10.7 7.5 11.3



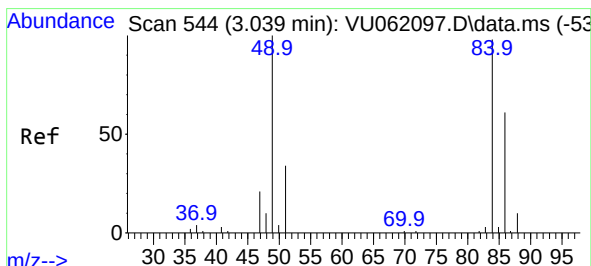
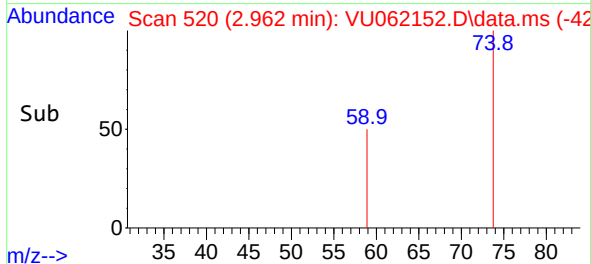
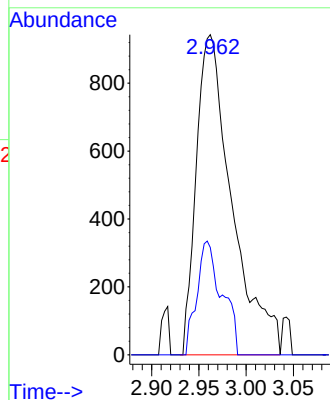
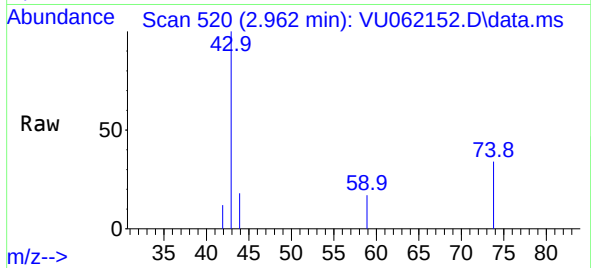




#15  
Methyl Acetate  
Concen: 0.803 ug/L  
RT: 2.962 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VU062152.D  
Acq: 09 Dec 2024 11:16

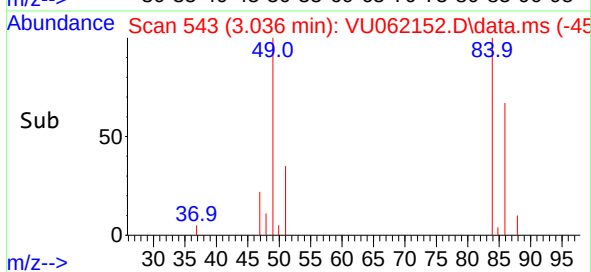
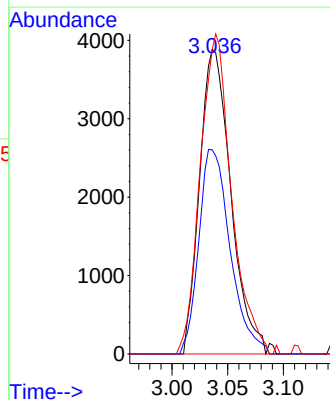
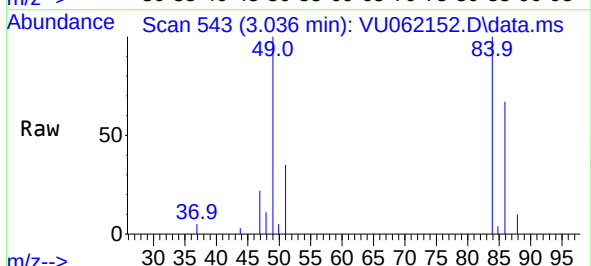
Instrument :  
MSVOA\_U  
ClientSampleId :

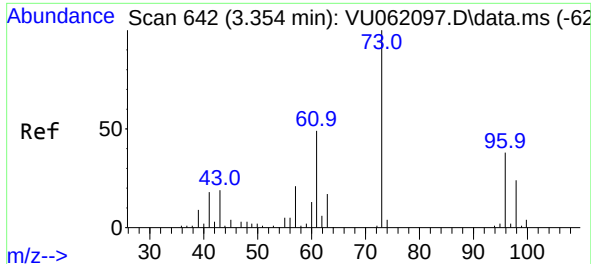
Tgt Ion: 43 Resp: 2476  
Ion Ratio Lower Upper  
43 100  
74 24.9 19.4 29.2



#16  
Methylene chloride  
Concen: 0.837 ug/L  
RT: 3.036 min Scan# 543  
Delta R.T. -0.003 min  
Lab File: VU062152.D  
Acq: 09 Dec 2024 11:16

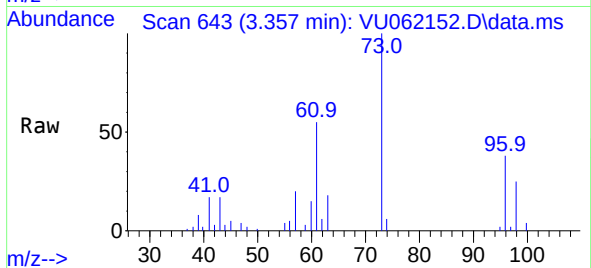
Tgt Ion: 84 Resp: 7606  
Ion Ratio Lower Upper  
84 100  
86 67.0 43.5 80.7  
49 99.9 81.9 152.1



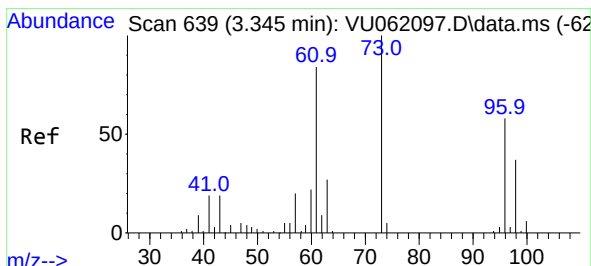
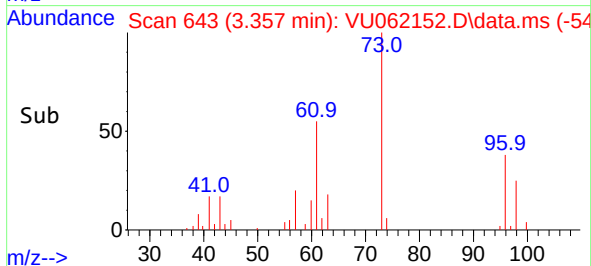
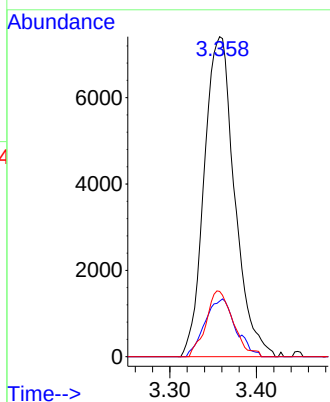


#17  
Methyl tert-butyl Ether  
Concen: 0.931 ug/L  
RT: 3.357 min Scan# 64  
Delta R.T. 0.003 min  
Lab File: VU062152.D  
Acq: 09 Dec 2024 11:16

Instrument :  
MSVOA\_U  
ClientSampleId :

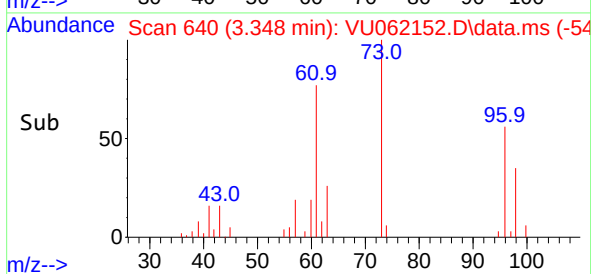
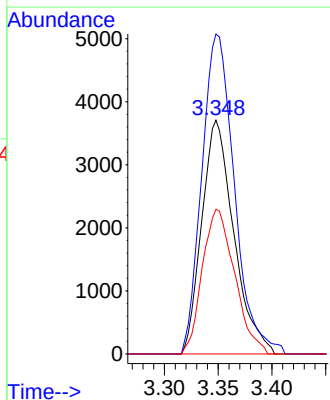
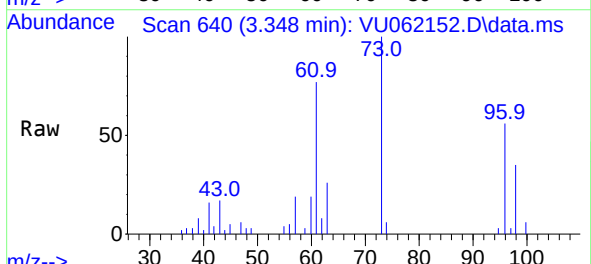


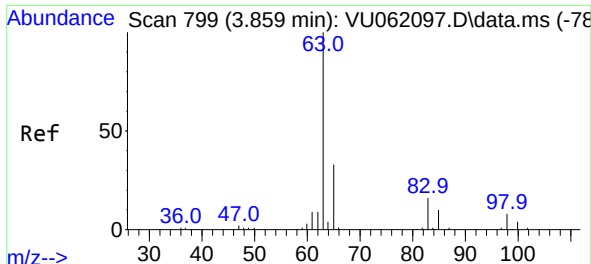
Tgt Ion: 73 Resp: 18062  
Ion Ratio Lower Upper  
73 100  
43 18.3 16.3 24.5  
57 18.3 17.1 25.7



#18  
trans-1,2-Dichloroethene  
Concen: 0.960 ug/L  
RT: 3.348 min Scan# 640  
Delta R.T. 0.003 min  
Lab File: VU062152.D  
Acq: 09 Dec 2024 11:16

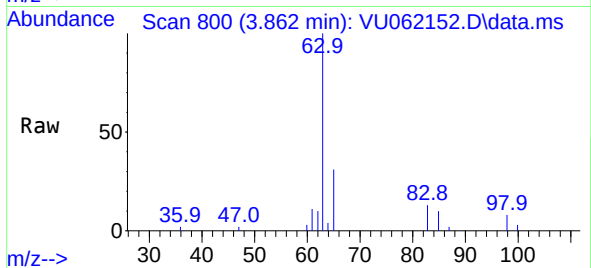
Tgt Ion: 96 Resp: 7678  
Ion Ratio Lower Upper  
96 100  
61 136.9 104.2 193.4  
98 61.9 45.7 84.9



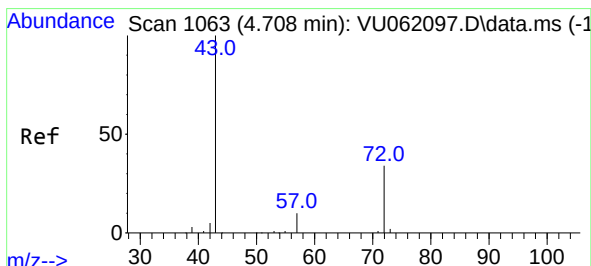
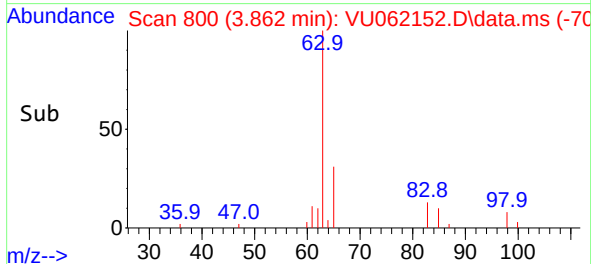
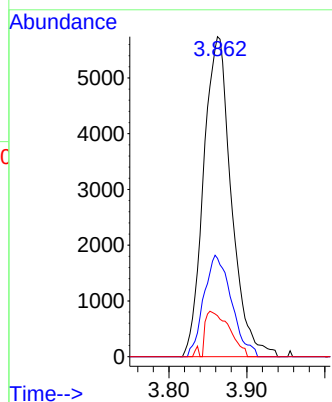


#19  
1,1-Dichloroethane  
Concen: 0.910 ug/L  
RT: 3.862 min Scan# 80  
Delta R.T. 0.003 min  
Lab File: VU062152.D  
Acq: 09 Dec 2024 11:16

Instrument :  
MSVOA\_U  
ClientSampleId :

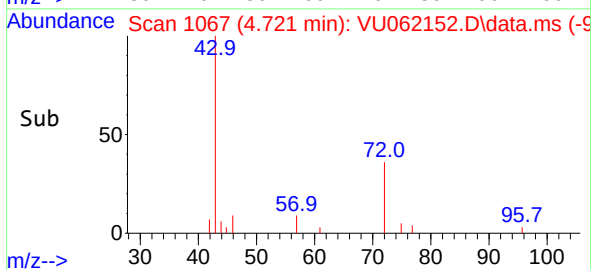
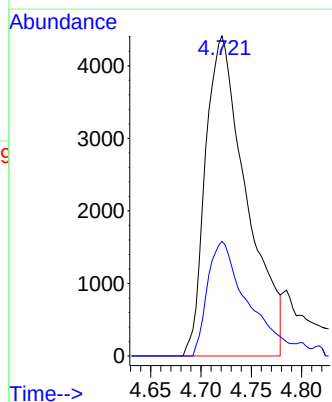
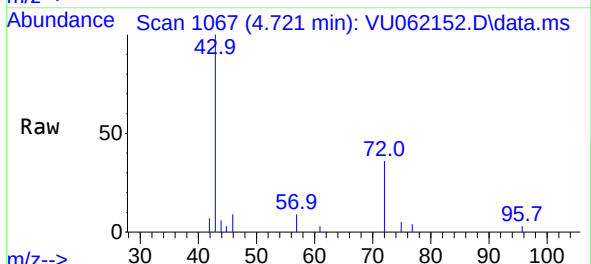


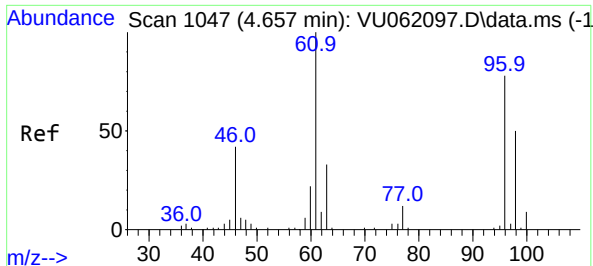
Tgt Ion: 63 Resp: 14184  
Ion Ratio Lower Upper  
63 100  
65 30.7 22.7 42.3  
83 12.8 9.9 18.3



#21  
2-Butanone  
Concen: 6.447 ug/L  
RT: 4.721 min Scan# 1067  
Delta R.T. 0.013 min  
Lab File: VU062152.D  
Acq: 09 Dec 2024 11:16

Tgt Ion: 43 Resp: 12508  
Ion Ratio Lower Upper  
43 100  
72 35.4 14.8 44.4





#22

cis-1,2-Dichloroethene

Concen: 0.948 ug/L

RT: 4.666 min Scan# 110

Delta R.T. 0.009 min

Lab File: VU062152.D

Acq: 09 Dec 2024 11:16

Instrument :

MSVOA\_U

ClientSampleId :

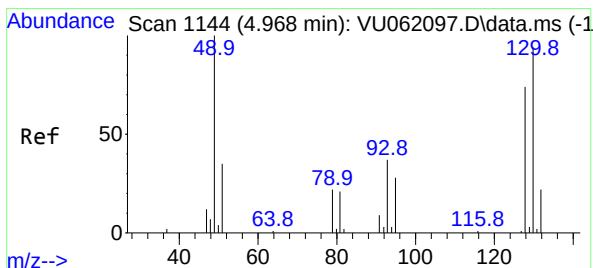
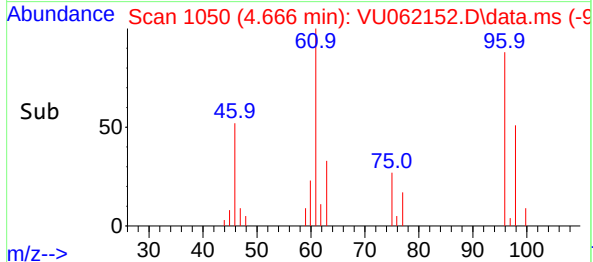
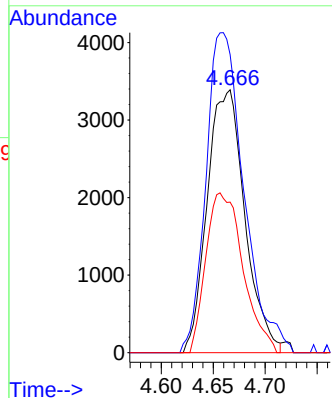
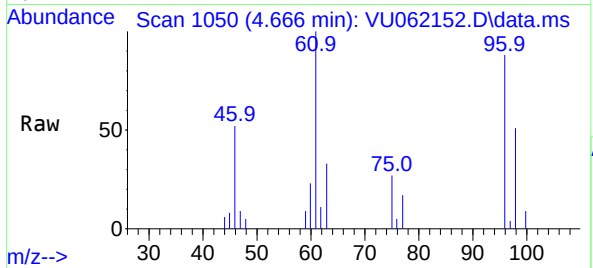
Tgt Ion: 96 Resp: 8536

Ion Ratio Lower Upper

96 100

61 113.4 92.0 170.8

98 57.3 44.5 82.7



#23

Bromochloromethane

Concen: 1.021 ug/L

RT: 4.972 min Scan# 1145

Delta R.T. 0.004 min

Lab File: VU062152.D

Acq: 09 Dec 2024 11:16

Tgt Ion: 128 Resp: 3996

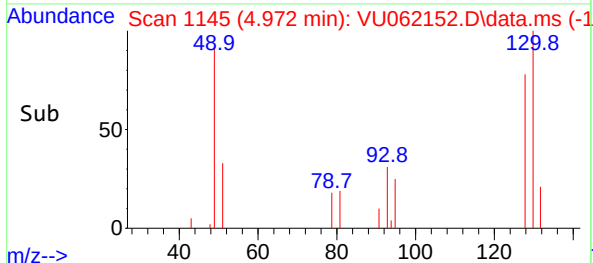
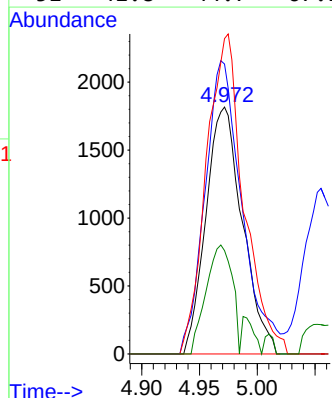
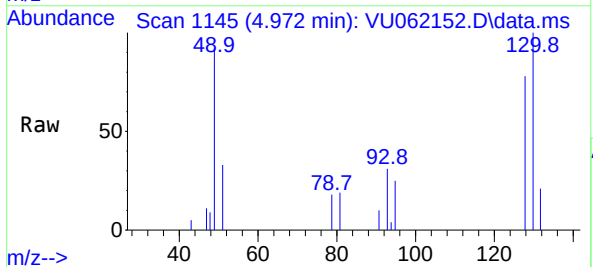
Ion Ratio Lower Upper

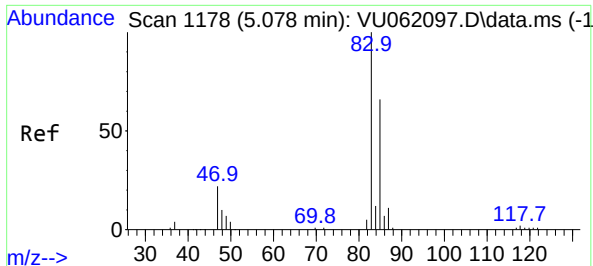
128 100

49 117.4 115.3 214.1

130 127.7 92.0 170.8

51 41.8 44.7 67.1#

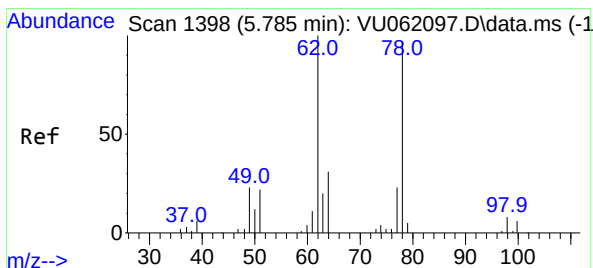
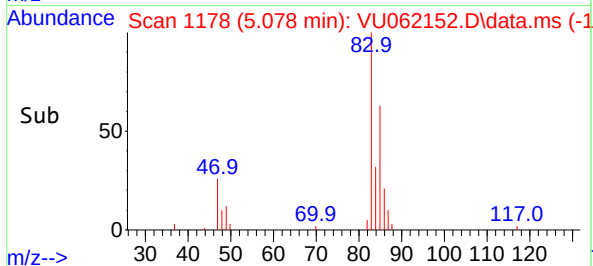
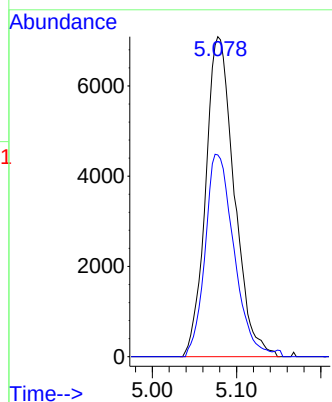
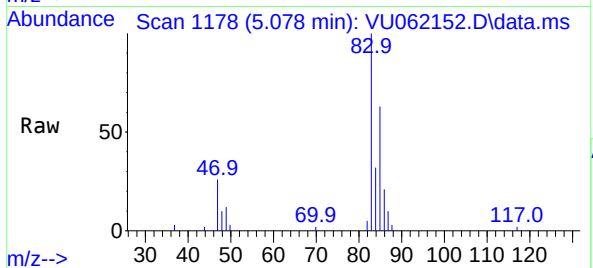




#25  
Chloroform  
Concen: 1.027 ug/L  
RT: 5.078 min Scan# 1178  
Delta R.T. -0.000 min  
Lab File: VU062152.D  
Acq: 09 Dec 2024 11:16

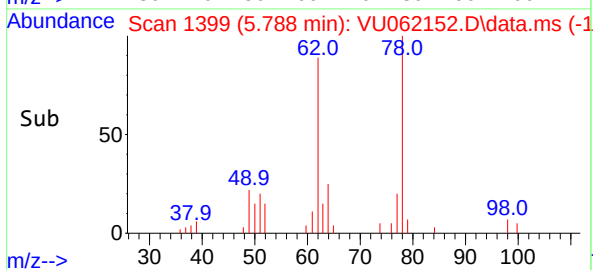
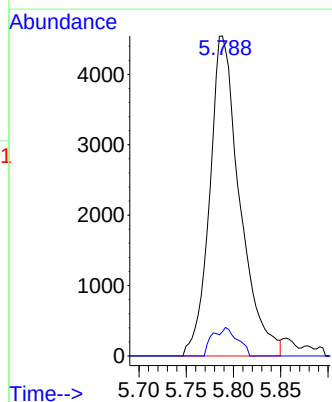
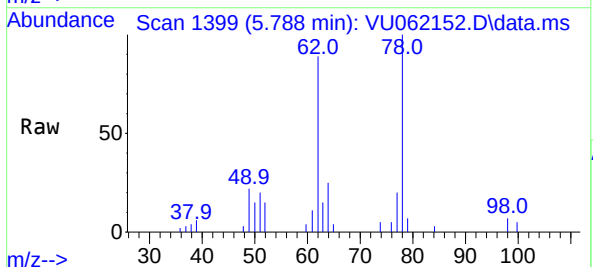
Instrument :  
MSVOA\_U  
ClientSampleId :

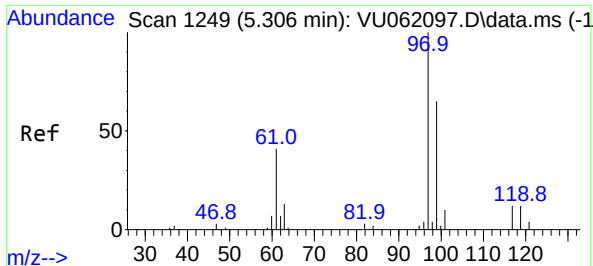
Tgt Ion: 83 Resp: 16726  
Ion Ratio Lower Upper  
83 100  
85 63.0 45.4 84.2



#27  
1,2-Dichloroethane  
Concen: 0.962 ug/L  
RT: 5.788 min Scan# 1399  
Delta R.T. 0.003 min  
Lab File: VU062152.D  
Acq: 09 Dec 2024 11:16

Tgt Ion: 62 Resp: 10081  
Ion Ratio Lower Upper  
62 100  
98 7.6 7.4 11.0

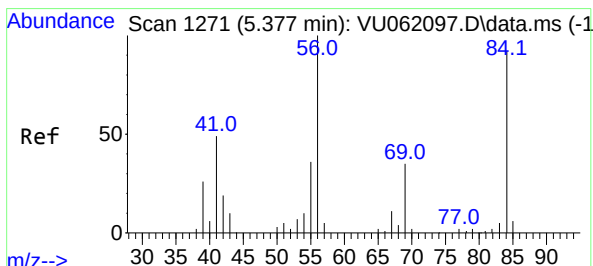
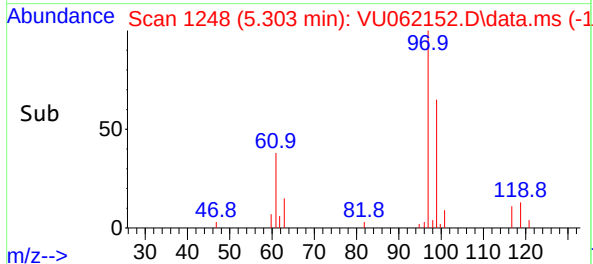
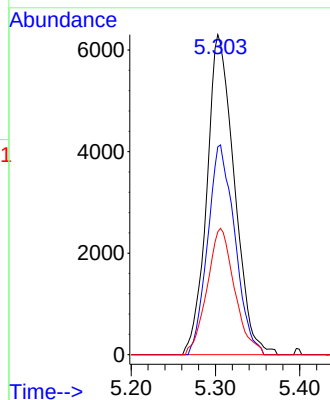
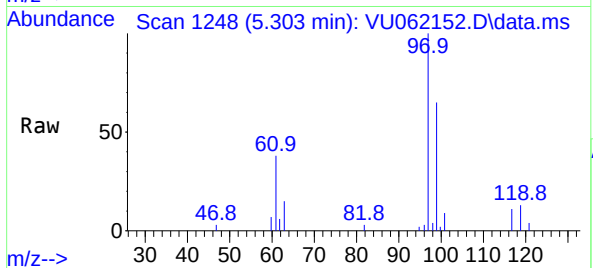




#29  
1,1,1-Trichloroethane  
Concen: 1.175 ug/L  
RT: 5.303 min Scan# 1248  
Delta R.T. -0.003 min  
Lab File: VU062152.D  
Acq: 09 Dec 2024 11:16

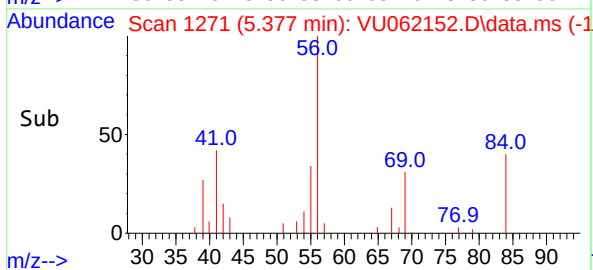
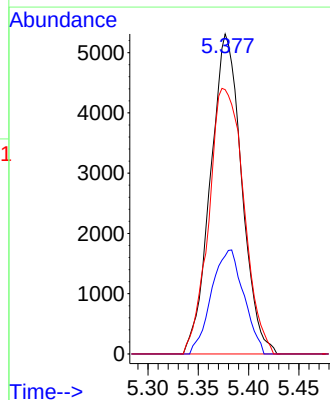
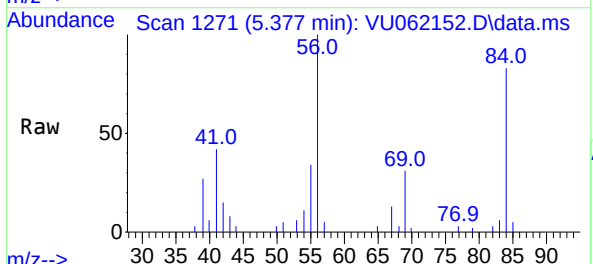
Instrument :  
MSVOA\_U  
ClientSampleId :

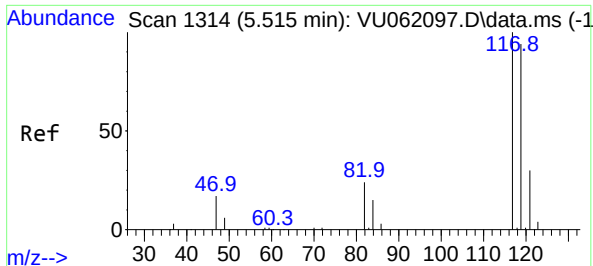
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 14297 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 64.8     | 51.4 77.2   |
| 61 39.6     | 37.8 56.6   |



#30  
Cyclohexane  
Concen: 0.900 ug/L  
RT: 5.377 min Scan# 1271  
Delta R.T. -0.000 min  
Lab File: VU062152.D  
Acq: 09 Dec 2024 11:16

|             |             |
|-------------|-------------|
| Tgt Ion: 56 | Resp: 11453 |
| Ion Ratio   | Lower Upper |
| 56 100      |             |
| 69 33.6     | 25.1 37.7   |
| 84 92.8     | 70.6 105.8  |

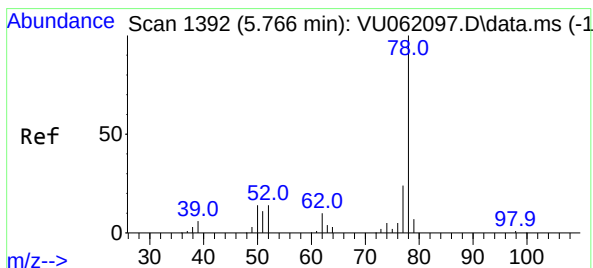
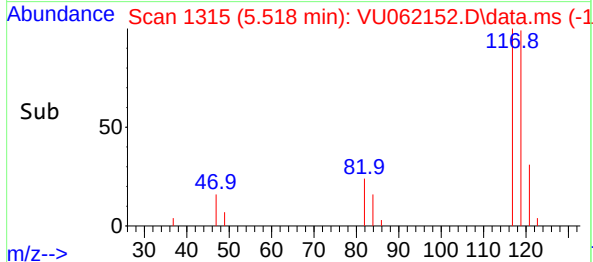
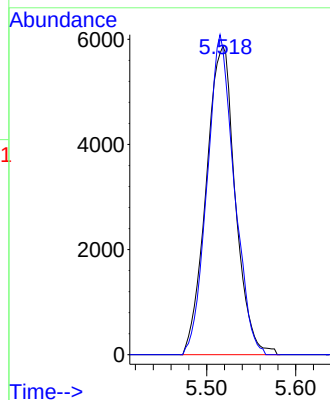
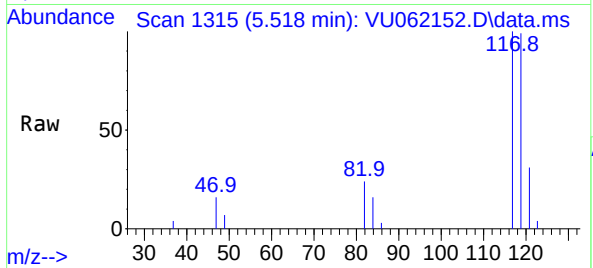




#31  
Carbon tetrachloride  
Concen: 1.292 ug/L  
RT: 5.518 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VU062152.D  
Acq: 09 Dec 2024 11:16

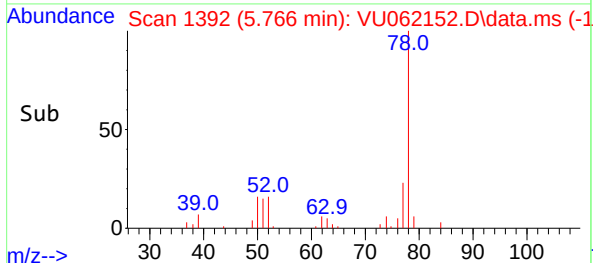
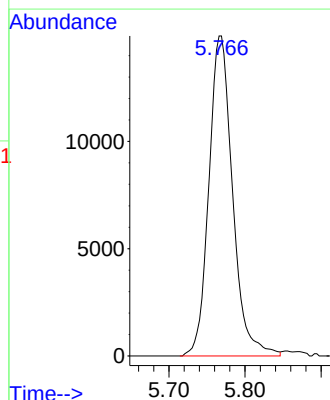
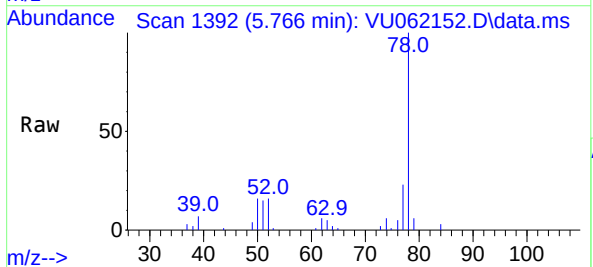
Instrument :  
MSVOA\_U  
ClientSampleId :

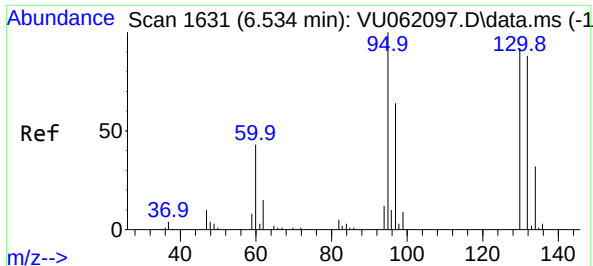
Tgt Ion:117 Resp: 13342  
Ion Ratio Lower Upper  
117 100  
119 96.7 77.5 116.3



#33  
Benzene  
Concen: 1.015 ug/L  
RT: 5.766 min Scan# 1392  
Delta R.T. -0.000 min  
Lab File: VU062152.D  
Acq: 09 Dec 2024 11:16

Tgt Ion: 78 Resp: 32341



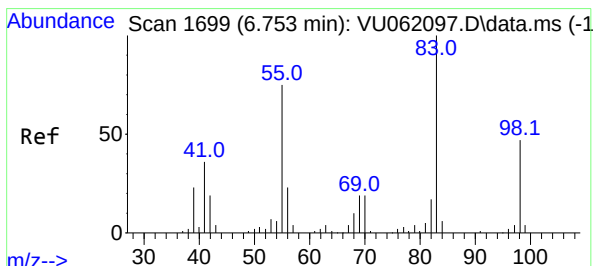
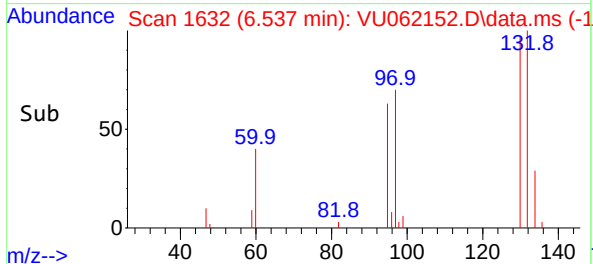
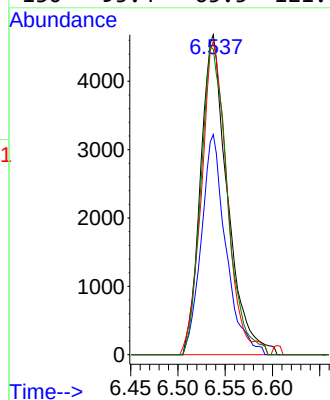
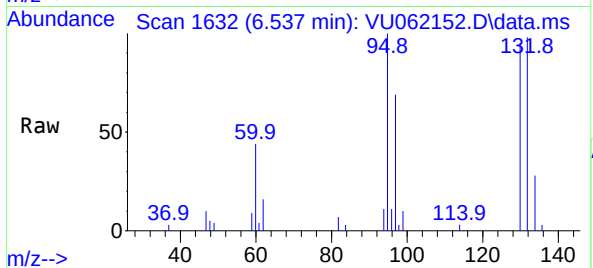


#34  
Trichloroethene  
Concen: 1.089 ug/L  
RT: 6.537 min Scan# 1  
Delta R.T. 0.003 min  
Lab File: VU062152.D  
Acq: 09 Dec 2024 11:16

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 95 Resp: 9263

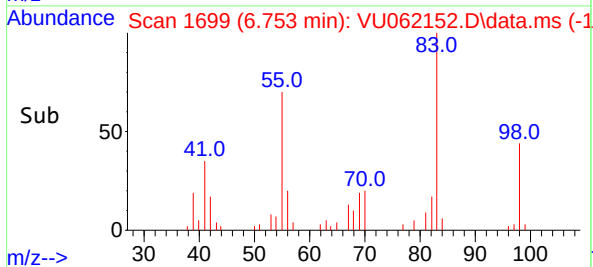
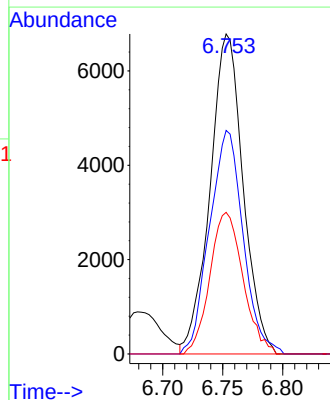
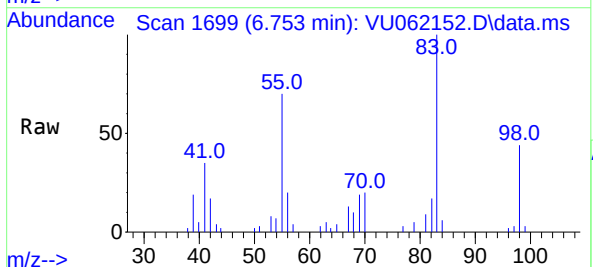
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 68.8  | 45.9  | 85.3  |
| 132 | 97.9  | 63.8  | 118.4 |
| 130 | 95.4  | 65.5  | 121.7 |



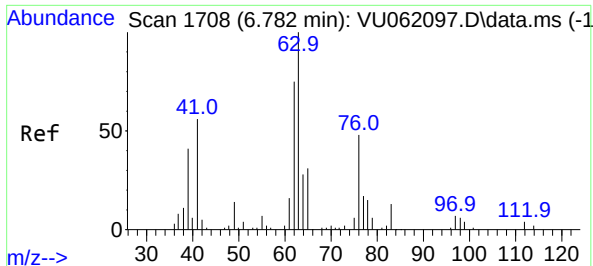
#35  
Methylcyclohexane  
Concen: 1.000 ug/L  
RT: 6.753 min Scan# 1699  
Delta R.T. -0.000 min  
Lab File: VU062152.D  
Acq: 09 Dec 2024 11:16

Tgt Ion: 83 Resp: 13014

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 71.1  | 60.7  | 91.1  |
| 98  | 44.4  | 34.8  | 52.2  |



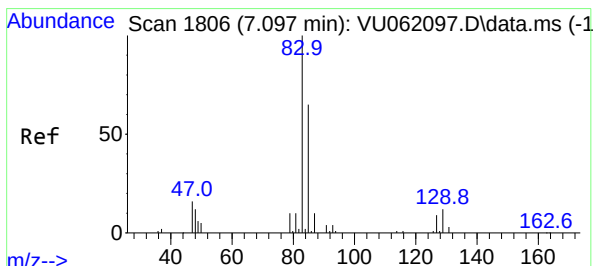
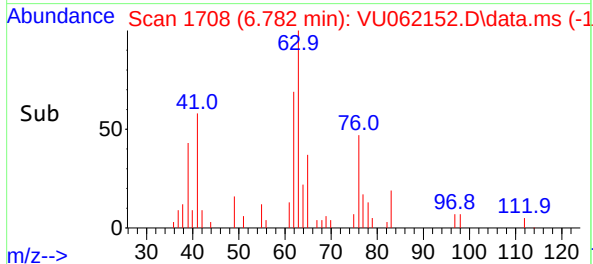
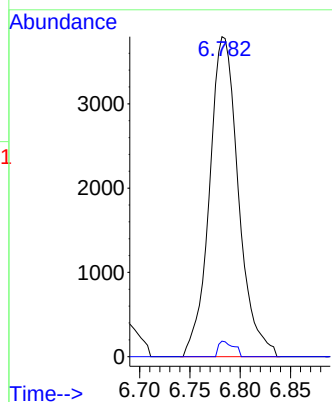
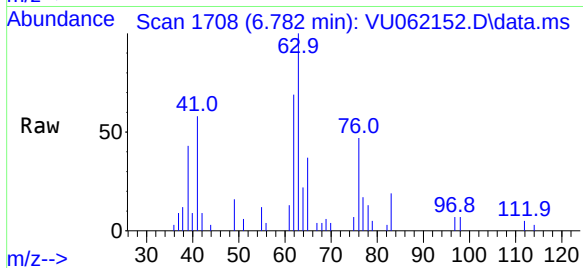




#37  
1,2-Dichloropropane  
Concen: 0.921 ug/L  
RT: 6.782 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU062152.D  
Acq: 09 Dec 2024 11:16

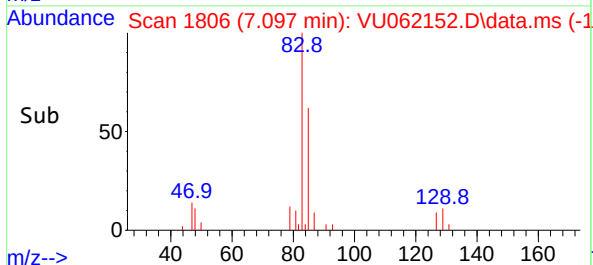
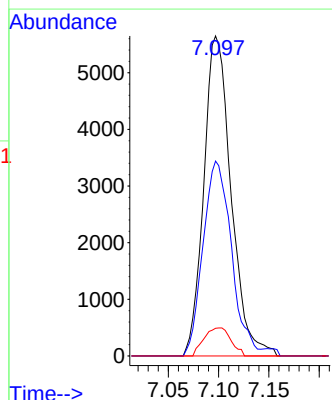
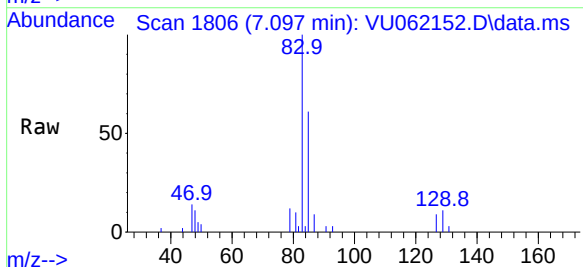
Instrument :  
MSVOA\_U  
ClientSampleId :

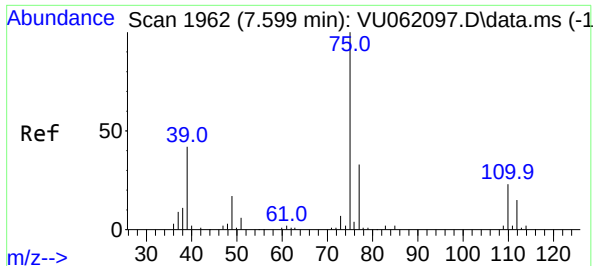
Tgt Ion: 63 Resp: 7629  
Ion Ratio Lower Upper  
63 100  
112 2.5 3.4 5.0#



#38  
Bromodichloromethane  
Concen: 1.063 ug/L  
RT: 7.097 min Scan# 1806  
Delta R.T. -0.000 min  
Lab File: VU062152.D  
Acq: 09 Dec 2024 11:16

Tgt Ion: 83 Resp: 10674  
Ion Ratio Lower Upper  
83 100  
85 60.9 44.1 81.9  
127 8.7 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 1.025 ug/L

RT: 7.602 min Scan# 1962

Delta R.T. 0.003 min

Lab File: VU062152.D

Acq: 09 Dec 2024 11:16

Instrument :

MSVOA\_U

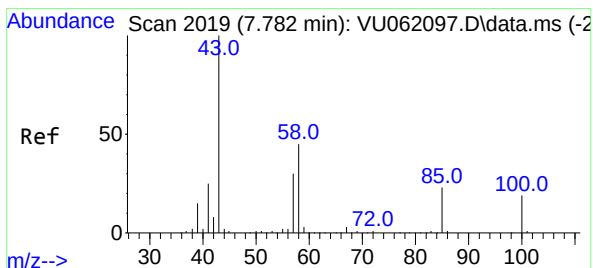
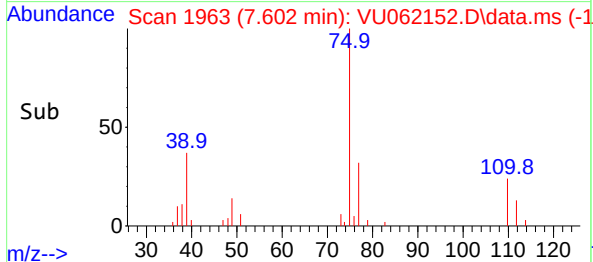
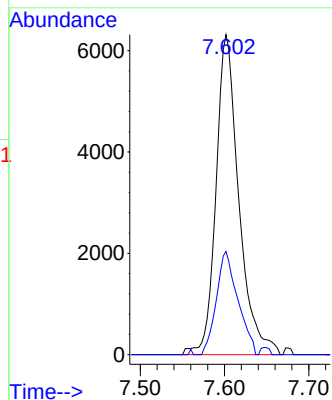
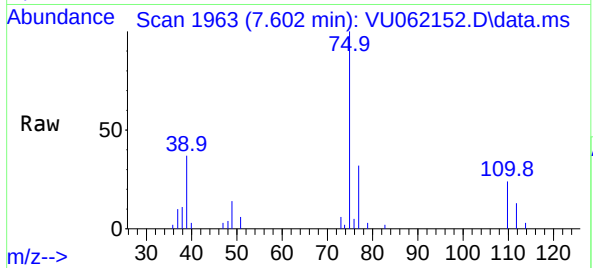
ClientSampleId :

Tgt Ion: 75 Resp: 11902

Ion Ratio Lower Upper

75 100

77 32.3 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 7.951 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. 0.003 min

Lab File: VU062152.D

Acq: 09 Dec 2024 11:16

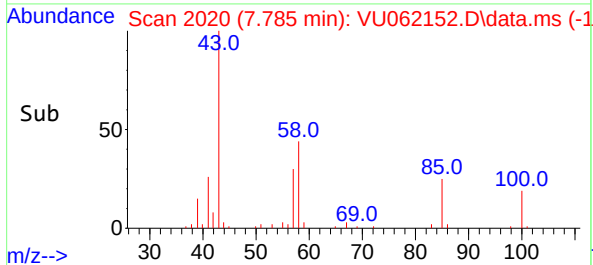
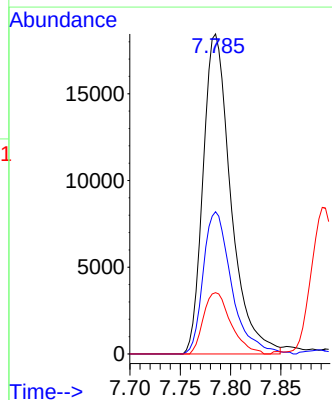
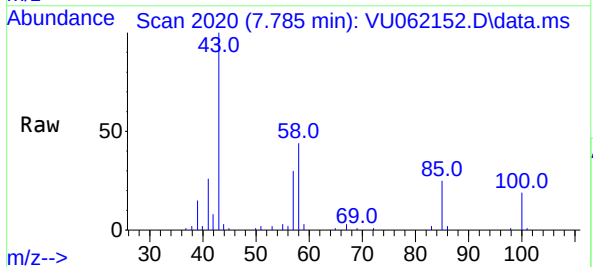
Tgt Ion: 43 Resp: 35528

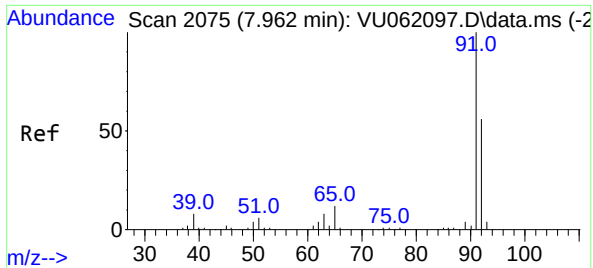
Ion Ratio Lower Upper

43 100

58 45.5 33.3 49.9

100 18.9 12.4 18.6#

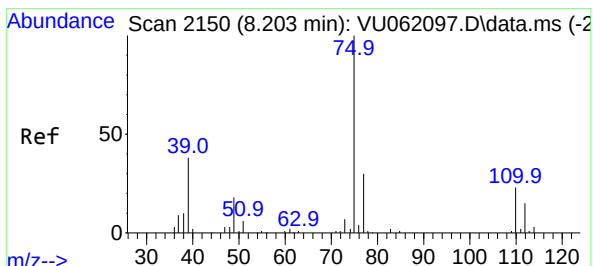
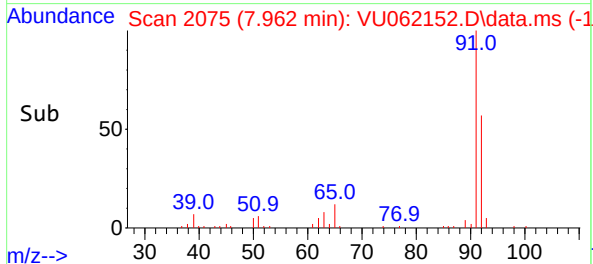
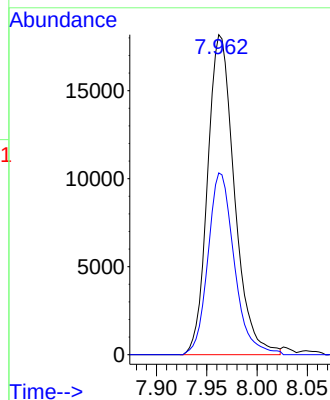
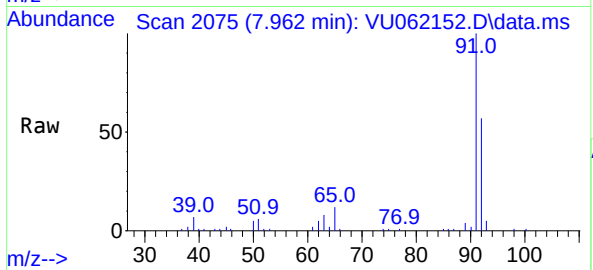




#42  
Toluene  
Concen: 1.010 ug/L  
RT: 7.962 min Scan# 2075  
Delta R.T. -0.000 min  
Lab File: VU062152.D  
Acq: 09 Dec 2024 11:16

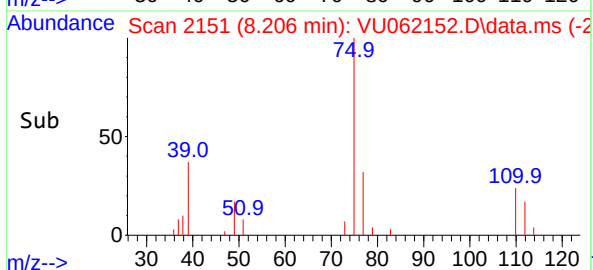
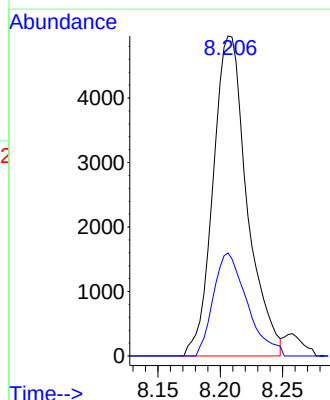
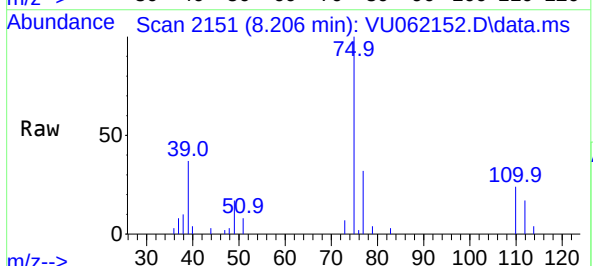
Instrument :  
MSVOA\_U  
ClientSampleId :

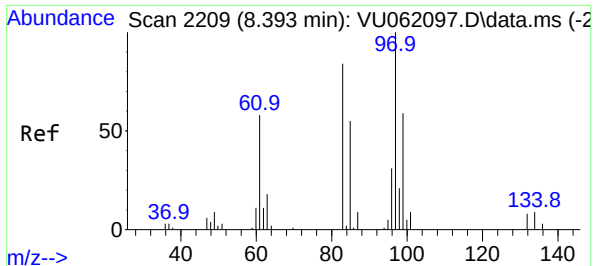
Tgt Ion: 91 Resp: 33784  
Ion Ratio Lower Upper  
91 100  
92 56.8 39.0 72.4



#44  
trans-1,3-Dichloropropene  
Concen: 1.020 ug/L  
RT: 8.206 min Scan# 2151  
Delta R.T. 0.003 min  
Lab File: VU062152.D  
Acq: 09 Dec 2024 11:16

Tgt Ion: 75 Resp: 9406  
Ion Ratio Lower Upper  
75 100  
77 32.2 21.8 40.4



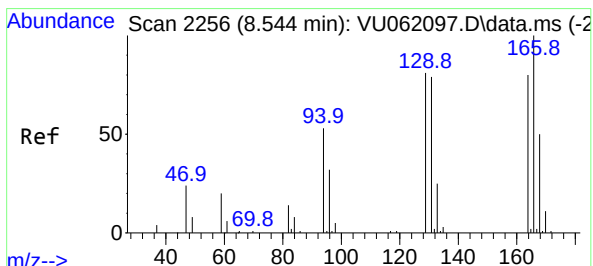
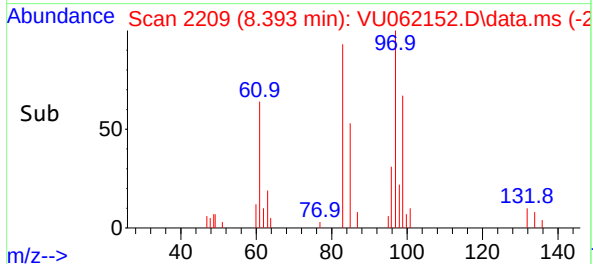
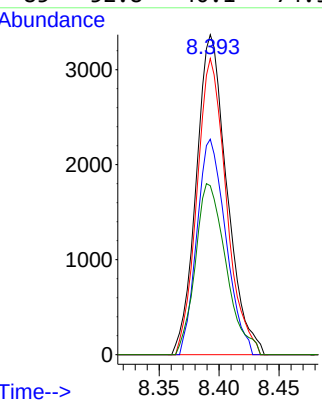
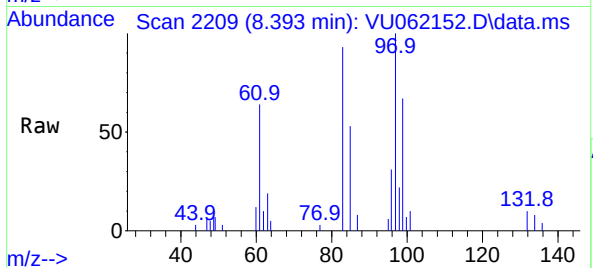


#45  
1,1,2-Trichloroethane  
Concen: 0.982 ug/L  
RT: 8.393 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU062152.D  
Acq: 09 Dec 2024 11:16

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 97 Resp: 5993

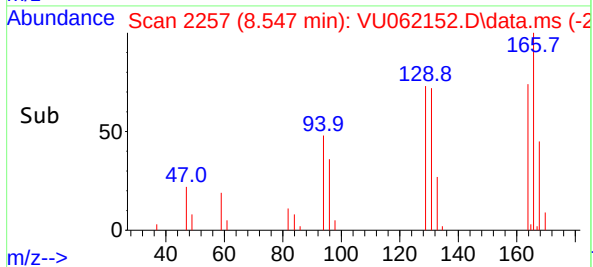
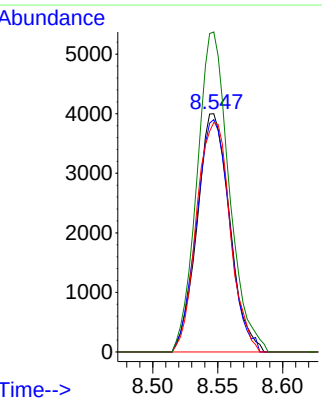
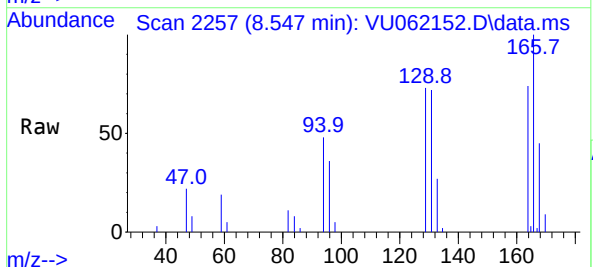
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 67.3  | 43.0  | 79.8  |
| 83  | 92.5  | 61.7  | 114.5 |
| 85  | 52.8  | 40.1  | 74.5  |

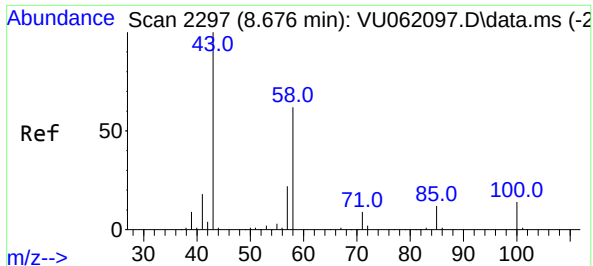


#47  
Tetrachloroethene  
Concen: 1.126 ug/L  
RT: 8.547 min Scan# 2257  
Delta R.T. 0.003 min  
Lab File: VU062152.D  
Acq: 09 Dec 2024 11:16

Tgt Ion: 164 Resp: 6969

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 97.5  | 73.2  | 136.0 |
| 131 | 96.3  | 72.3  | 134.3 |
| 166 | 134.3 | 90.2  | 167.4 |



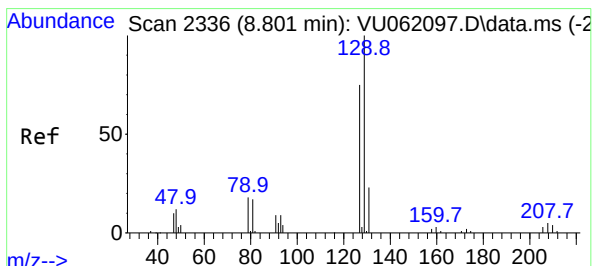
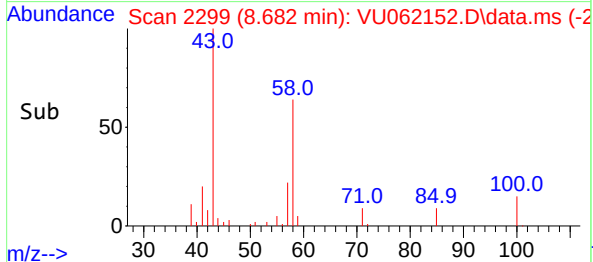
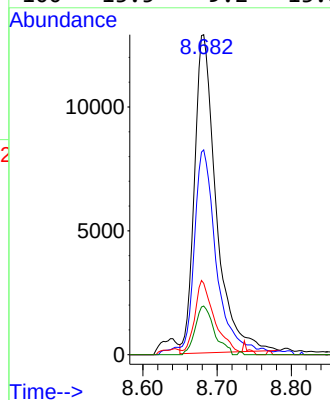
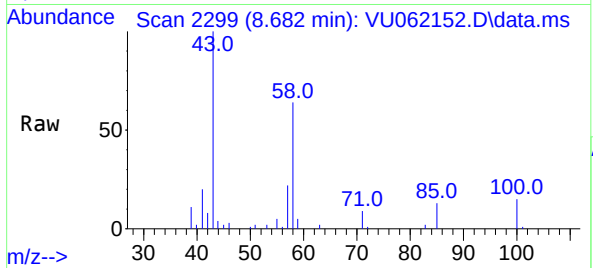


#48  
2-Hexanone  
Concen: 7.814 ug/L  
RT: 8.682 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VU062152.D  
Acq: 09 Dec 2024 11:16

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 43 Resp: 26148

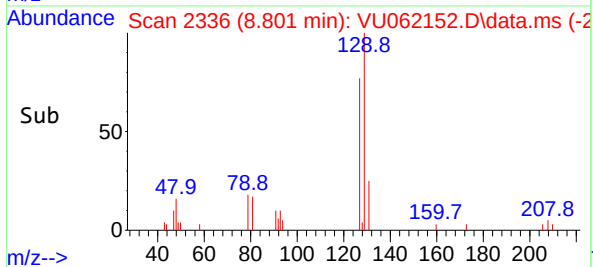
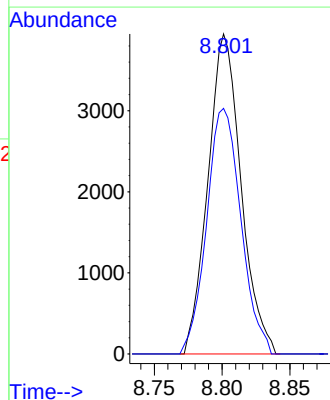
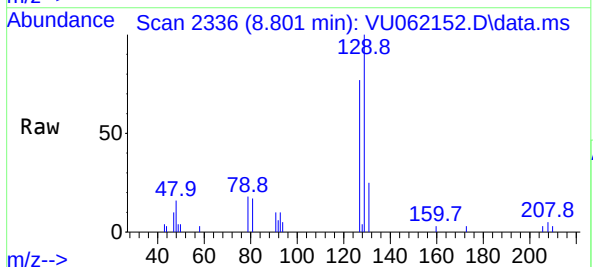
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 66.3  | 47.5  | 71.3  |
| 57  | 21.4  | 15.6  | 23.4  |
| 100 | 13.5  | 9.2   | 13.8  |

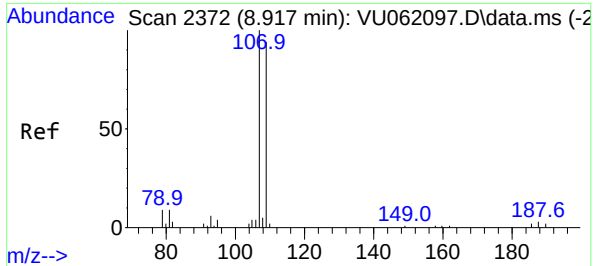


#49  
Dibromochloromethane  
Concen: 1.041 ug/L  
RT: 8.801 min Scan# 2336  
Delta R.T. -0.000 min  
Lab File: VU062152.D  
Acq: 09 Dec 2024 11:16

Tgt Ion: 129 Resp: 6708

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 76.8  | 51.1  | 94.9  |

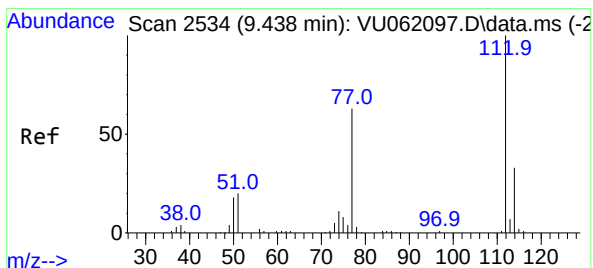
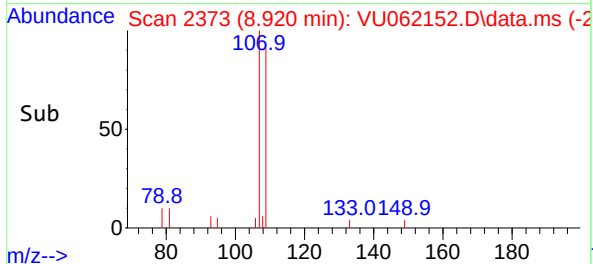
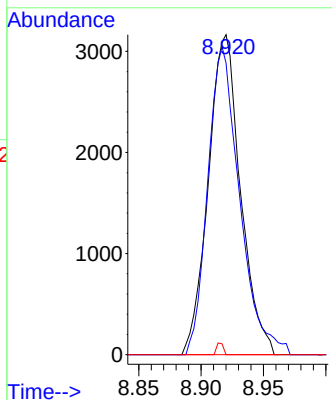
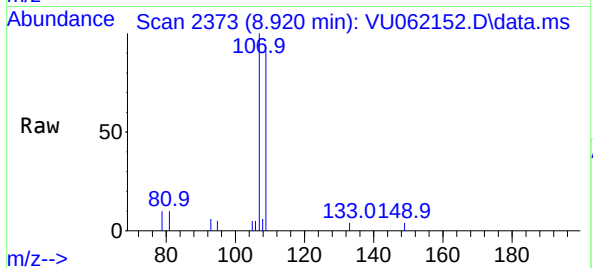




#50  
1,2-Dibromoethane  
Concen: 0.939 ug/L  
RT: 8.920 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU062152.D  
Acq: 09 Dec 2024 11:16

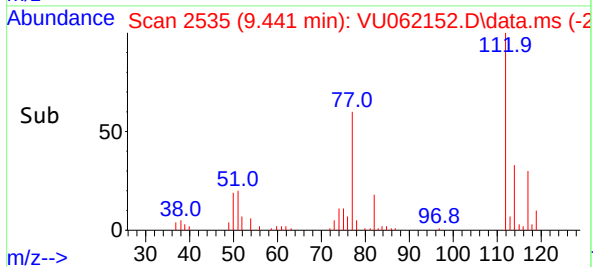
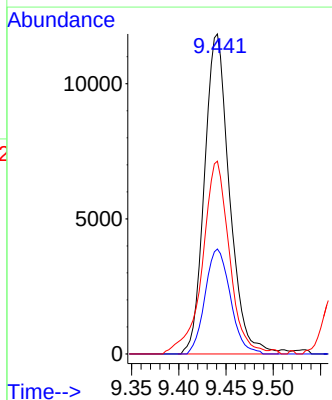
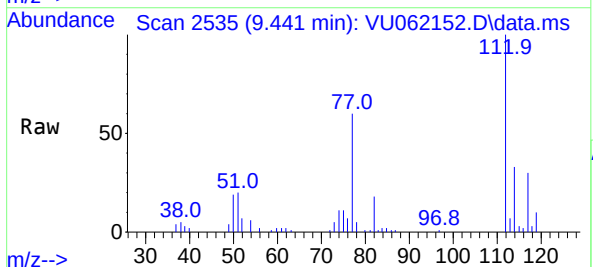
Instrument :  
MSVOA\_U  
ClientSampleId :

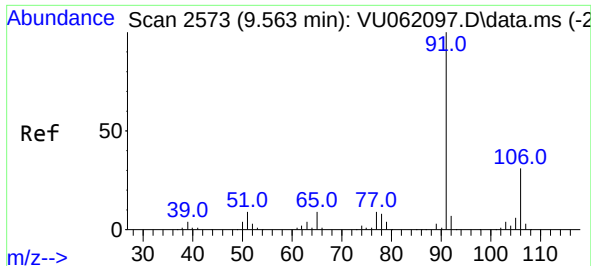
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 5685  |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 109      | 91.2  | 66.8  | 124.2 |
| 188      | 0.0   | 2.3   | 3.5#  |



#51  
Chlorobenzene  
Concen: 0.951 ug/L  
RT: 9.441 min Scan# 2535  
Delta R.T. 0.003 min  
Lab File: VU062152.D  
Acq: 09 Dec 2024 11:16

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 21782 |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 114      | 32.8  | 23.0  | 42.6  |
| 77       | 60.2  | 50.5  | 75.7  |

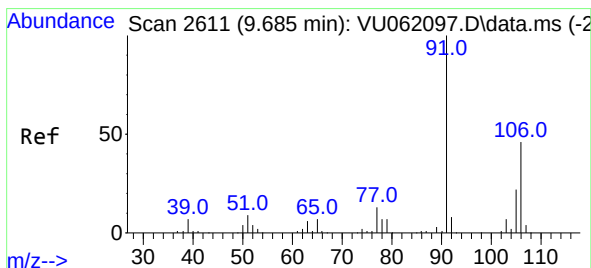
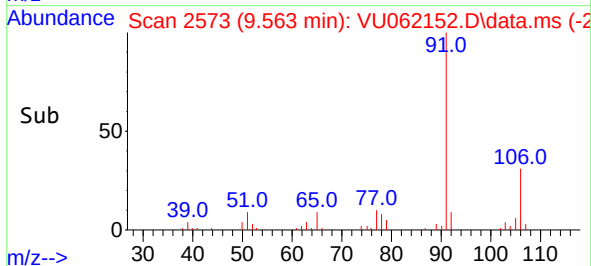
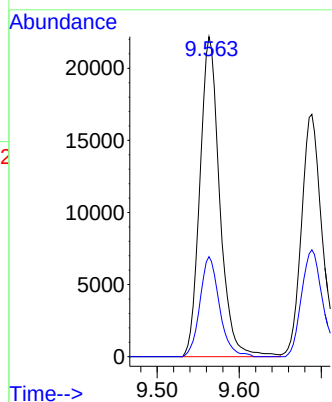
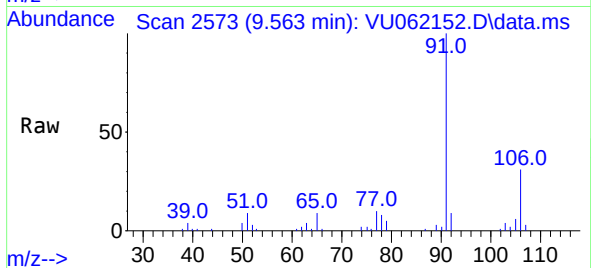




#52  
Ethylbenzene  
Concen: 0.928 ug/L  
RT: 9.563 min Scan# 2573  
Delta R.T. -0.000 min  
Lab File: VU062152.D  
Acq: 09 Dec 2024 11:16

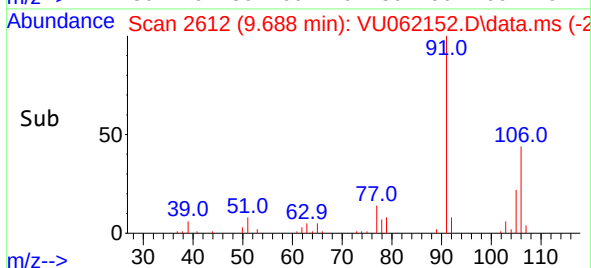
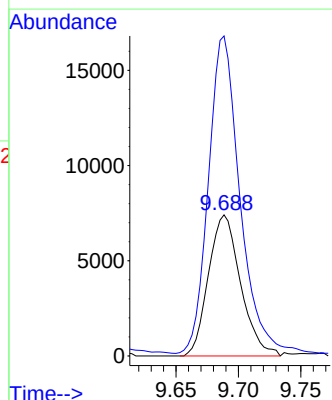
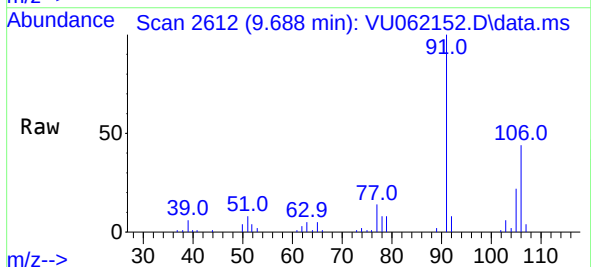
Instrument :  
MSVOA\_U  
ClientSampleId :

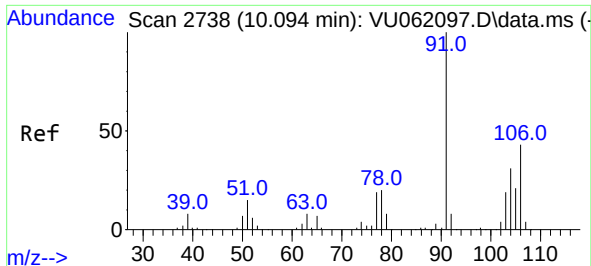
Tgt Ion: 91 Resp: 37134  
Ion Ratio Lower Upper  
91 100  
106 31.2 21.6 40.0



#53  
m,p-Xylene  
Concen: 0.942 ug/L  
RT: 9.688 min Scan# 2612  
Delta R.T. 0.003 min  
Lab File: VU062152.D  
Acq: 09 Dec 2024 11:16

Tgt Ion:106 Resp: 13303  
Ion Ratio Lower Upper  
106 100  
91 226.7 147.6 274.0

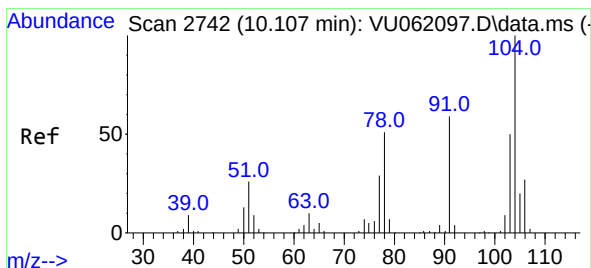
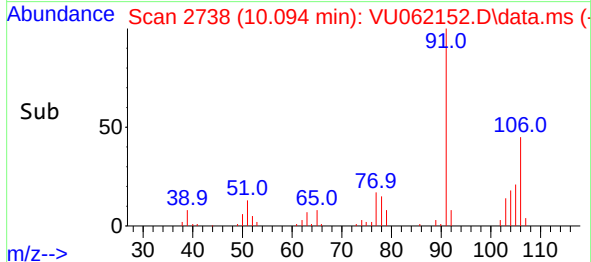
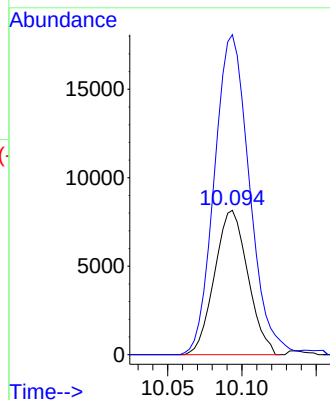
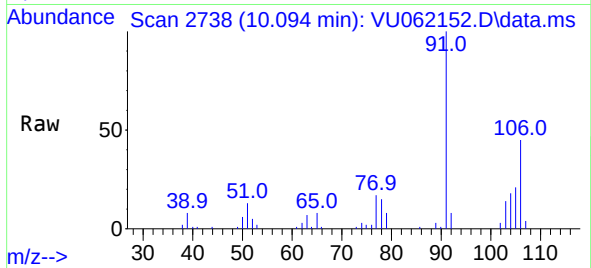




#54  
o-Xylene  
Concen: 0.894 ug/L  
RT: 10.094 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU062152.D  
Acq: 09 Dec 2024 11:16

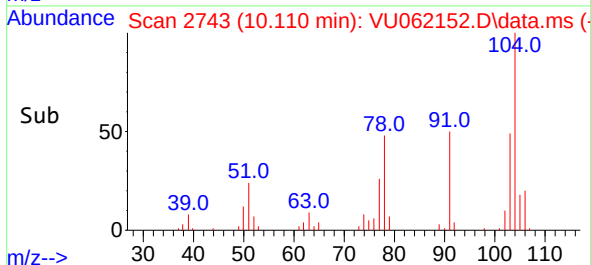
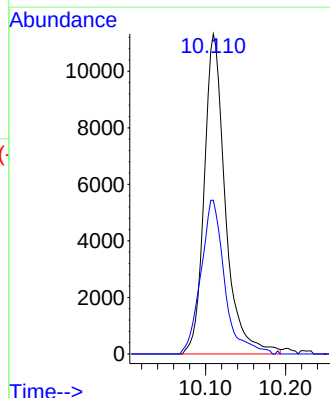
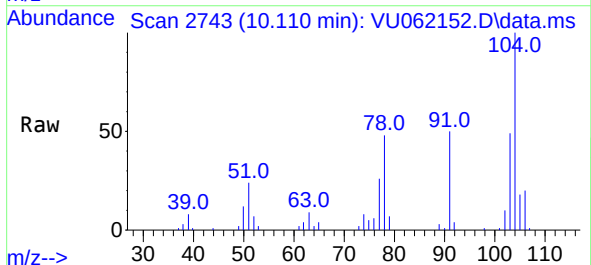
Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion:106 Resp: 12741  
Ion Ratio Lower Upper  
106 100  
91 221.7 159.8 296.8

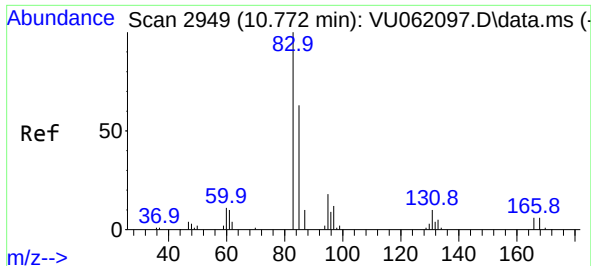


#55  
Styrene  
Concen: 0.887 ug/L  
RT: 10.110 min Scan# 2743  
Delta R.T. 0.003 min  
Lab File: VU062152.D  
Acq: 09 Dec 2024 11:16

Tgt Ion:104 Resp: 20845  
Ion Ratio Lower Upper  
104 100  
78 48.0 33.2 61.7







#57

1,1,2,2-Tetrachloroethane

Concen: 0.860 ug/L

RT: 10.772 min Scan# 2949

Delta R.T. -0.000 min

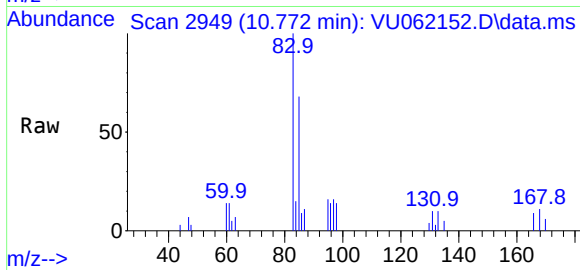
Lab File: VU062152.D

Acq: 09 Dec 2024 11:16

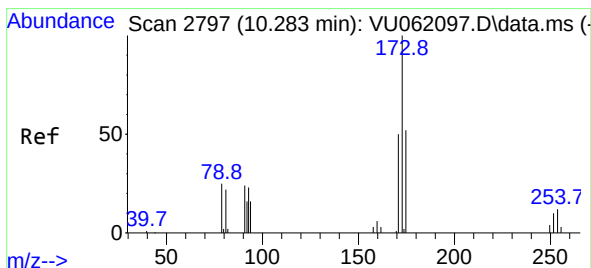
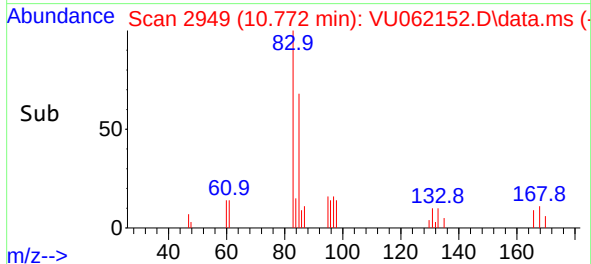
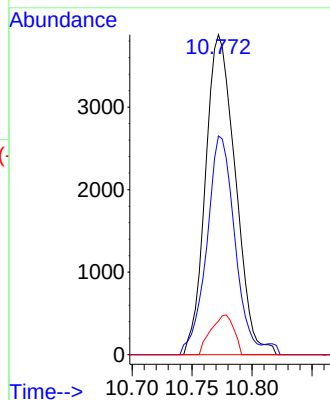
Instrument :

MSVOA\_U

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 6724  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 68.4  | 44.4  | 82.4  |
| 131      | 10.5  | 7.3   | 10.9  |



#59

Bromoform

Concen: 1.065 ug/L

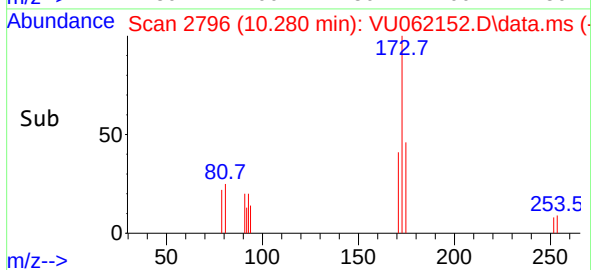
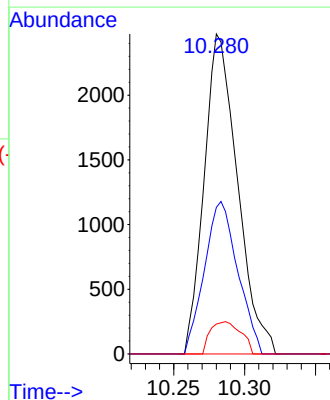
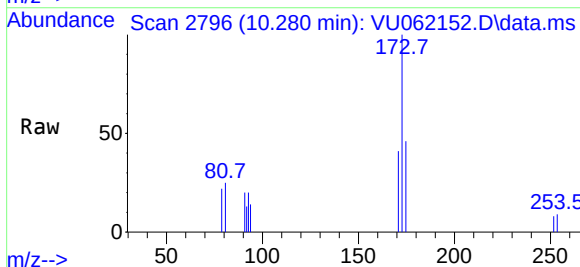
RT: 10.280 min Scan# 2796

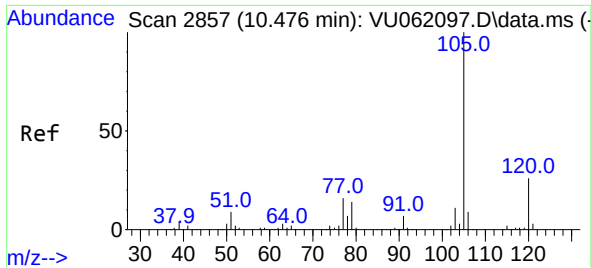
Delta R.T. -0.003 min

Lab File: VU062152.D

Acq: 09 Dec 2024 11:16

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 4041  |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 47.6  | 39.0  | 58.4  |
| 254      | 9.3   | 7.4   | 11.0  |

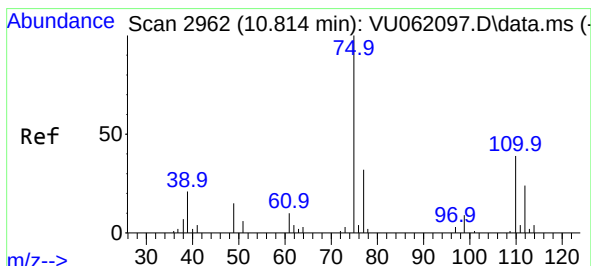
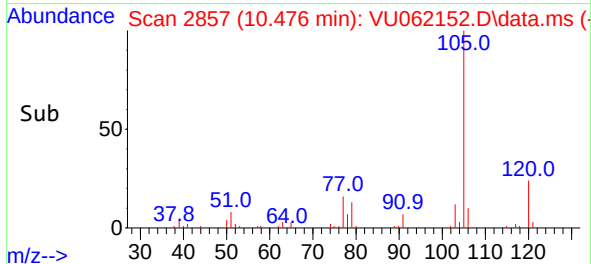
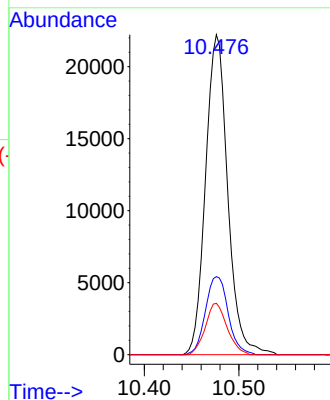
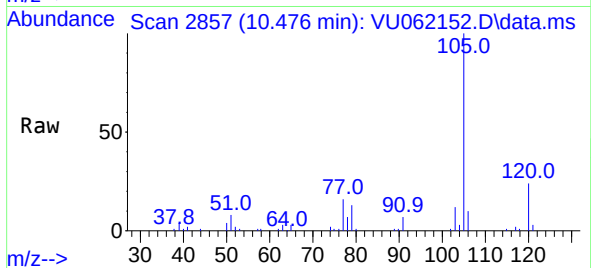




#60  
Isopropylbenzene  
Concen: 0.909 ug/L  
RT: 10.476 min Scan# 2857  
Delta R.T. -0.000 min  
Lab File: VU062152.D  
Acq: 09 Dec 2024 11:16

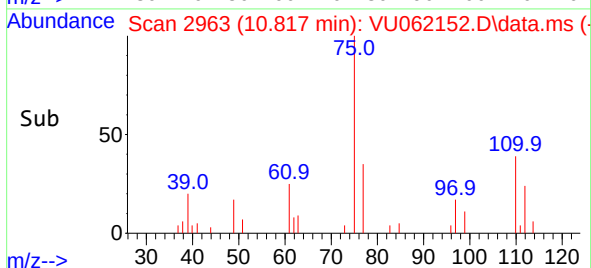
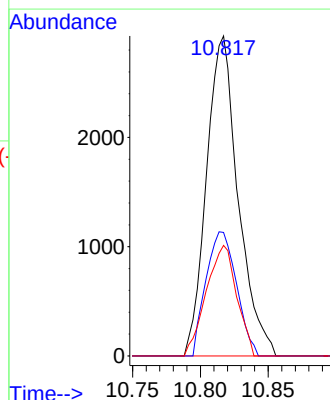
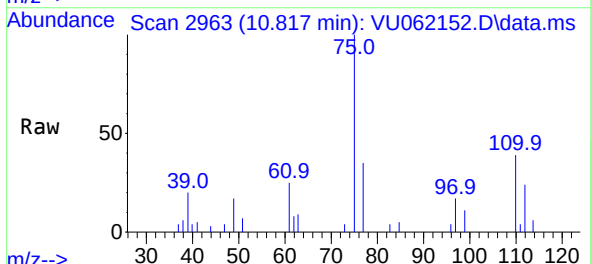
Instrument :  
MSVOA\_U  
ClientSampleId :

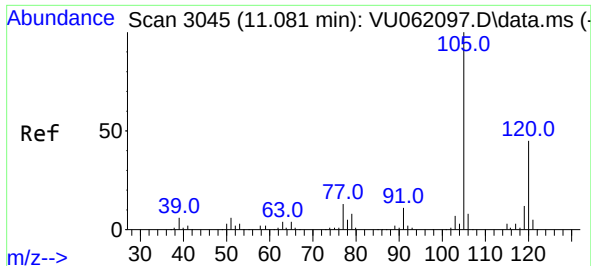
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 105   | Resp: | 36177 |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 120       | 25.0  | 20.6  | 31.0  |
| 77        | 15.8  | 13.0  | 19.6  |



#61  
1,2,3-Trichloropropane  
Concen: 0.806 ug/L  
RT: 10.817 min Scan# 2963  
Delta R.T. 0.003 min  
Lab File: VU062152.D  
Acq: 09 Dec 2024 11:16

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 75    | Resp: | 4757 |
| Ion Ratio | Lower | Upper |      |
| 75        | 100   |       |      |
| 110       | 37.3  | 28.9  | 43.3 |
| 77        | 33.2  | 26.5  | 39.7 |

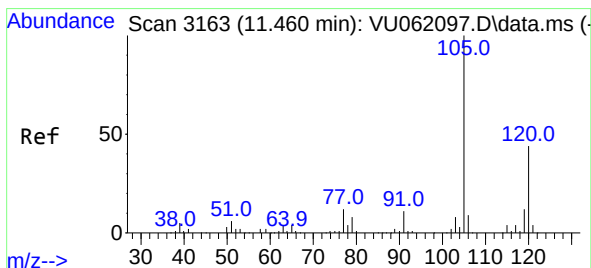
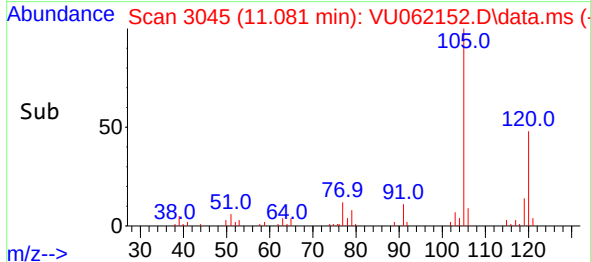
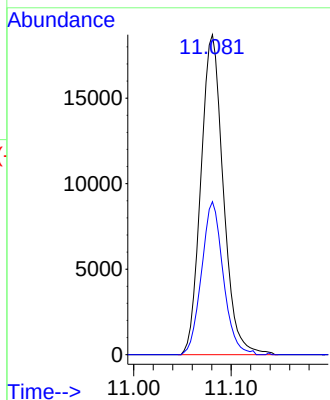
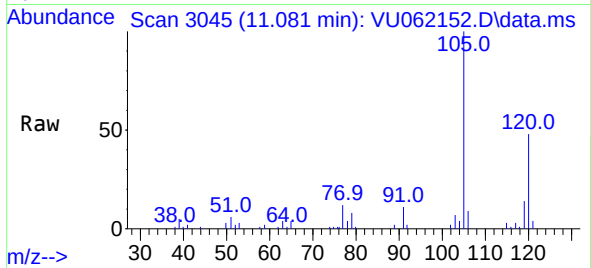




#62  
1,3,5-Trimethylbenzene  
Concen: 0.943 ug/L  
RT: 11.081 min Scan# 3045  
Delta R.T. -0.000 min  
Lab File: VU062152.D  
Acq: 09 Dec 2024 11:16

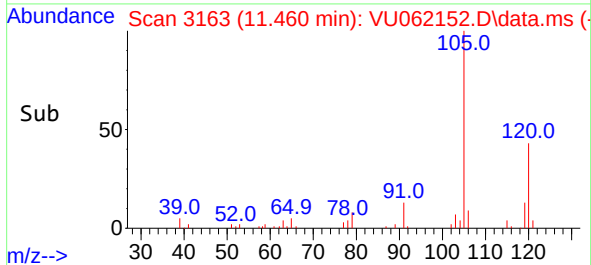
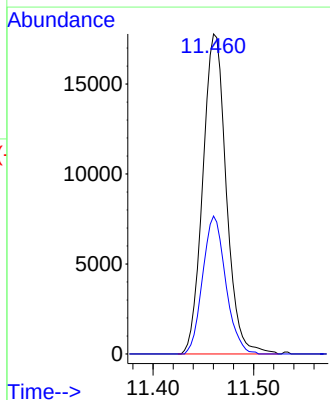
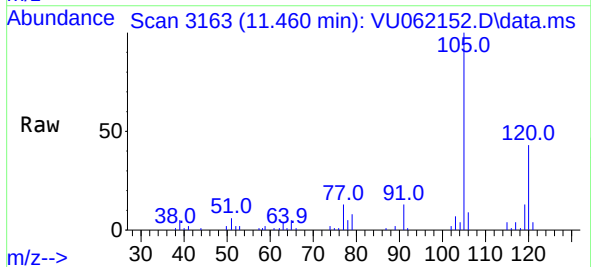
Instrument :  
MSVOA\_U  
ClientSampleId :

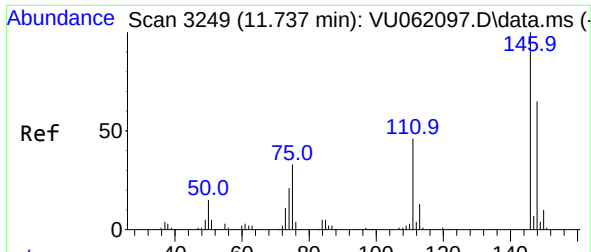
Tgt Ion:105 Resp: 29922  
Ion Ratio Lower Upper  
105 100  
120 46.3 36.7 55.1



#63  
1,2,4-Trimethylbenzene  
Concen: 0.911 ug/L  
RT: 11.460 min Scan# 3163  
Delta R.T. 0.000 min  
Lab File: VU062152.D  
Acq: 09 Dec 2024 11:16

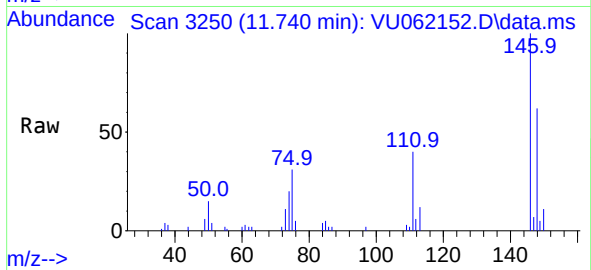
Tgt Ion:105 Resp: 28837  
Ion Ratio Lower Upper  
105 100  
120 42.3 34.7 52.1



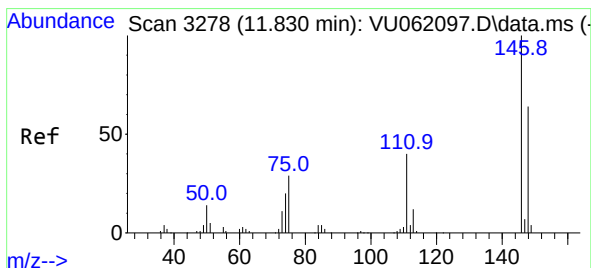
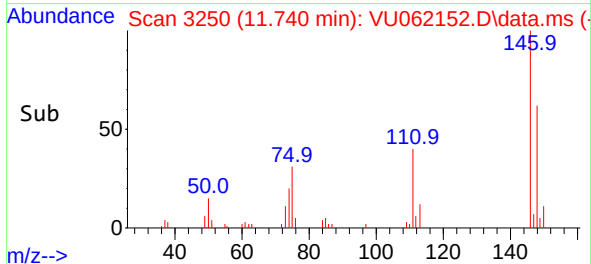
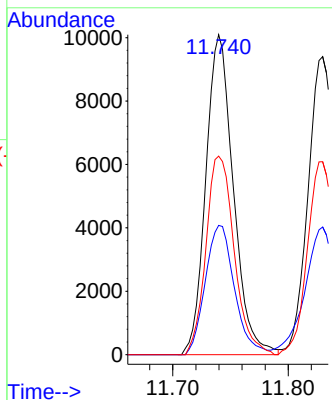


#64  
1,3-Dichlorobenzene  
Concen: 0.946 ug/L  
RT: 11.740 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VU062152.D  
Acq: 09 Dec 2024 11:16

Instrument :  
MSVOA\_U  
ClientSampleId :

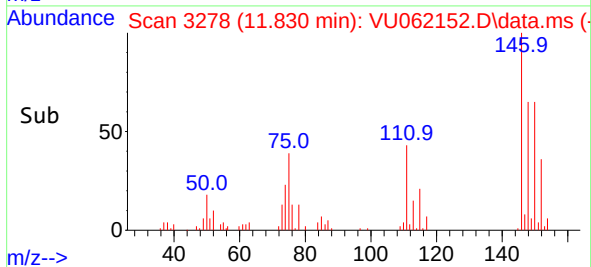
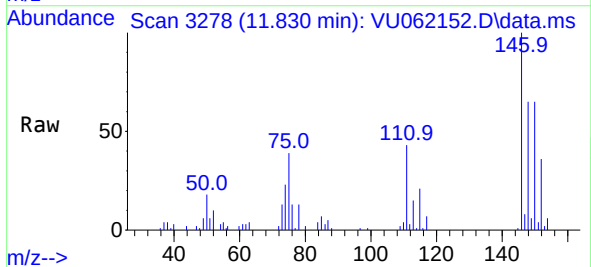
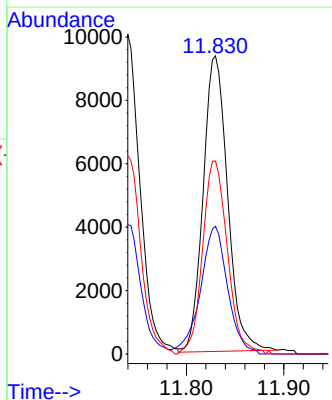


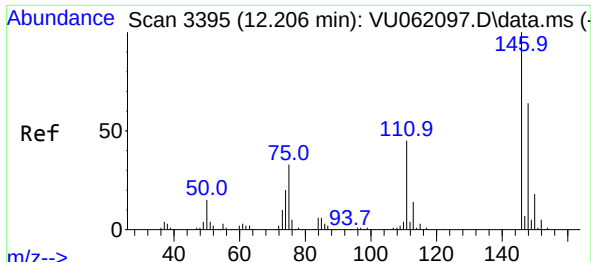
Tgt Ion:146 Resp: 16711  
Ion Ratio Lower Upper  
146 100  
111 40.4 30.7 57.1  
148 62.0 45.1 83.7



#65  
1,4-Dichlorobenzene  
Concen: 0.954 ug/L  
RT: 11.830 min Scan# 3278  
Delta R.T. -0.000 min  
Lab File: VU062152.D  
Acq: 09 Dec 2024 11:16

Tgt Ion:146 Resp: 16318  
Ion Ratio Lower Upper  
146 100  
111 42.9 29.3 54.3  
148 64.7 44.6 82.8





#67

1,2-Dichlorobenzene

Concen: 0.980 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.000 min

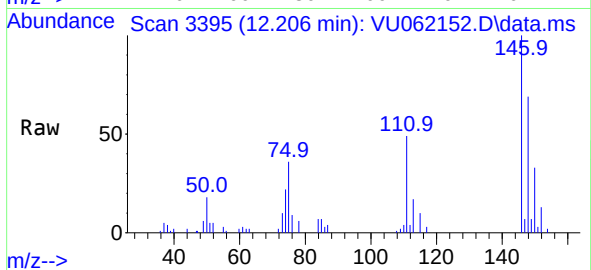
Lab File: VU062152.D

Acq: 09 Dec 2024 11:16

Instrument :

MSVOA\_U

ClientSampleId :



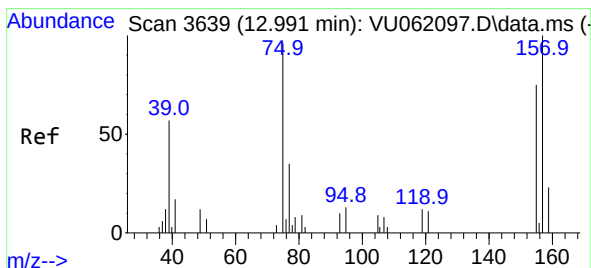
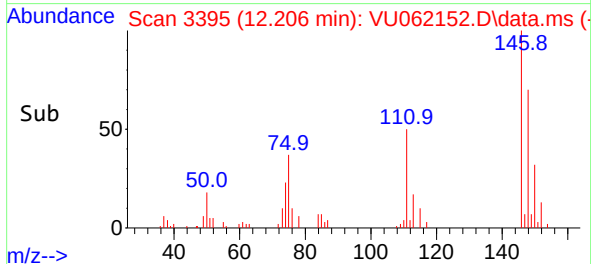
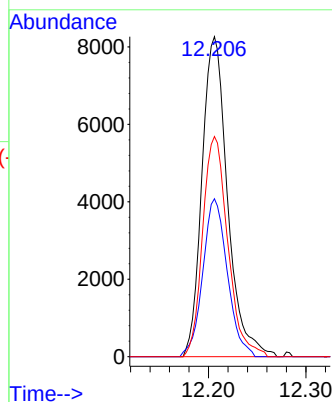
Tgt Ion:146 Resp: 15058

Ion Ratio Lower Upper

146 100

111 49.4 36.0 54.0

148 68.8 52.3 78.5



#68

1,2-Dibromo-3-chloropropane

Concen: 0.940 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.003 min

Lab File: VU062152.D

Acq: 09 Dec 2024 11:16

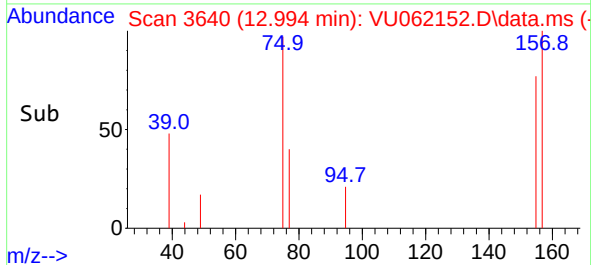
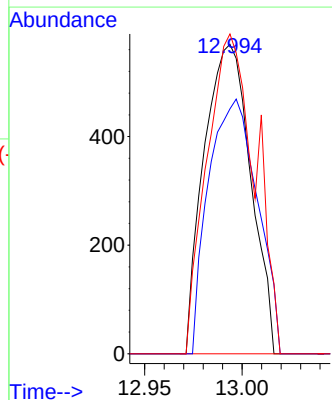
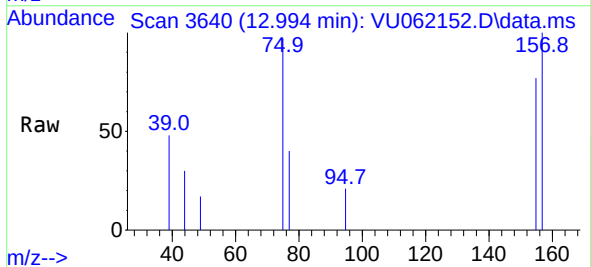
Tgt Ion: 75 Resp: 947

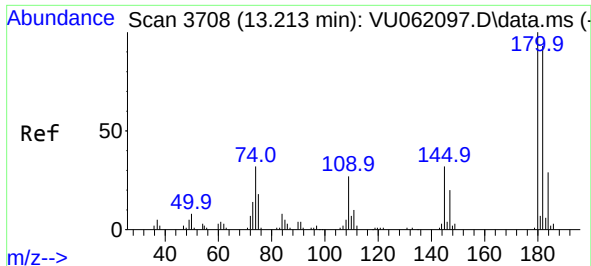
Ion Ratio Lower Upper

75 100

155 79.1 55.2 82.8

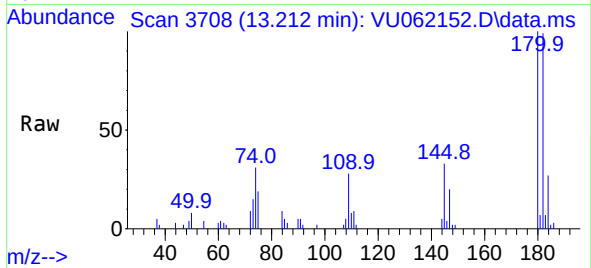
157 103.3 73.5 110.3





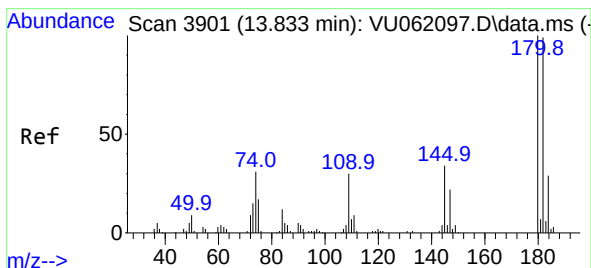
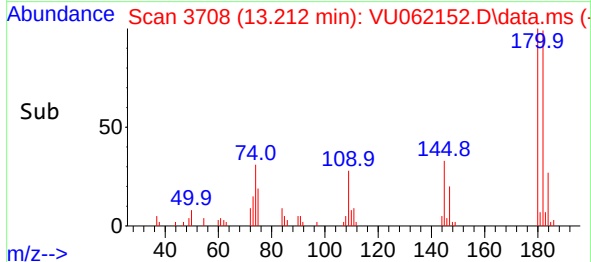
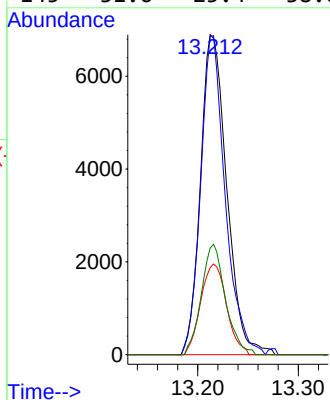
#69  
1,3,5-Trichlorobenzene  
Concen: 1.192 ug/L  
RT: 13.212 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VU062152.D  
Acq: 09 Dec 2024 11:16

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion:180 Resp: 12525

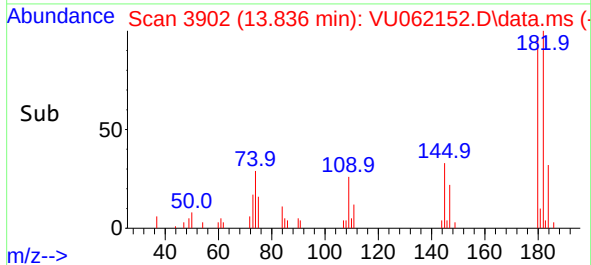
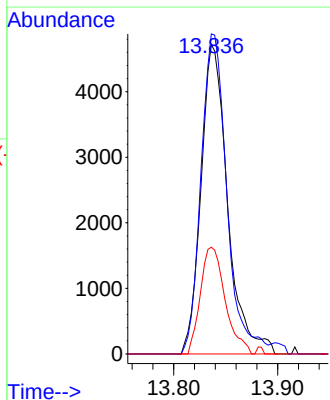
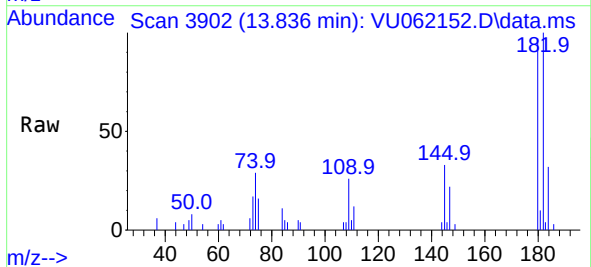
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 92.7  | 76.7  | 115.1 |
| 184 | 27.9  | 24.8  | 37.2  |
| 145 | 31.6  | 25.4  | 38.0  |

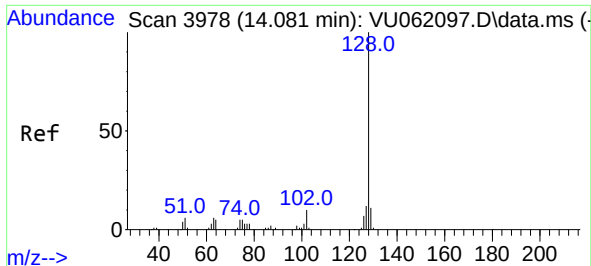


#70  
1,2,4-trichlorobenzene  
Concen: 1.042 ug/L  
RT: 13.836 min Scan# 3902  
Delta R.T. 0.003 min  
Lab File: VU062152.D  
Acq: 09 Dec 2024 11:16

Tgt Ion:180 Resp: 8396

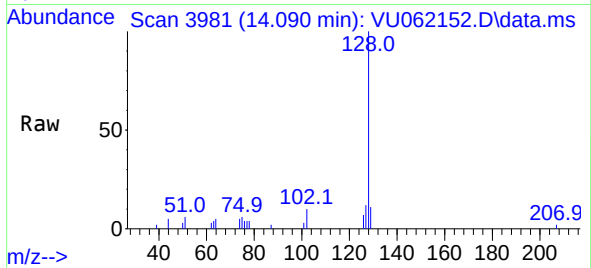
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 100.4 | 74.5  | 111.7 |
| 145 | 32.1  | 25.6  | 38.4  |



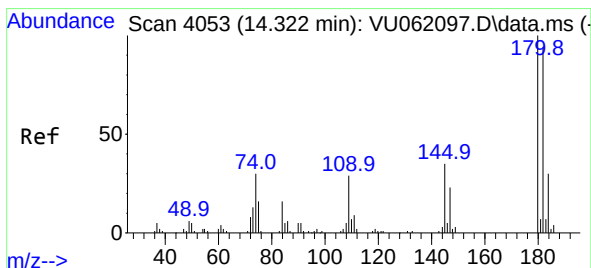
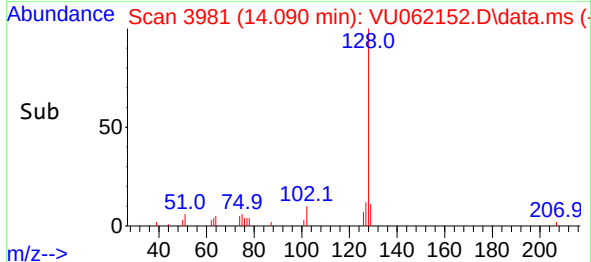
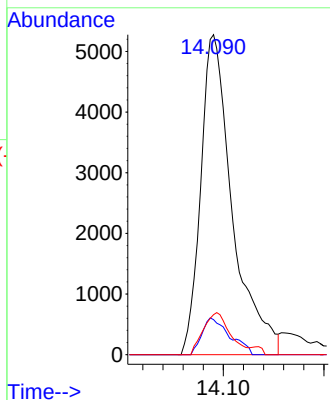


#71  
Naphthalene  
Concen: 0.888 ug/L  
RT: 14.090 min Scan# 3978  
Delta R.T. 0.010 min  
Lab File: VU062152.D  
Acq: 09 Dec 2024 11:16

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion:128 Resp: 11535  
Ion Ratio Lower Upper  
128 100  
129 10.1 8.5 12.7  
127 11.1 10.2 15.4



#72  
1,2,3-Trichlorobenzene  
Concen: 1.124 ug/L  
RT: 14.325 min Scan# 4054  
Delta R.T. 0.003 min  
Lab File: VU062152.D  
Acq: 09 Dec 2024 11:16

Tgt Ion:180 Resp: 7797  
Ion Ratio Lower Upper  
180 100  
182 86.4 76.1 114.1  
145 33.7 27.4 41.0

