

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU111221\  
 Data File : VU045776.D  
 Acq On : 12 Nov 2021 17:53  
 Operator : SY/MD  
 Sample : M4606-04MSD  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MH-117T-20211109MSD

Quant Time: Nov 15 05:22:31 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U110521W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 05 13:35:16 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 5.379          | 168  | 102685     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.250          | 114  | 180336     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 9.420          | 117  | 178596     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 11.816         | 152  | 93169      | 50.000  | ug/l   | 0.00     |
|                              |                |      |            |         |        |          |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.703          | 65   | 71664      | 46.601  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 93.200% |        |          |
| 35) Dibromofluoromethane     | 5.292          | 113  | 55974      | 46.490  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 92.980% |        |          |
| 50) Toluene-d8               | 7.899          | 98   | 208762     | 46.629  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 93.260% |        |          |
| 62) 4-Bromofluorobenzene     | 10.636         | 95   | 81720      | 45.519  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 91.040% |        |          |
|                              |                |      |            |         |        |          |
| Target Compounds             |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.385          | 85   | 59966      | 45.041  | ug/l   | 98       |
| 3) Chloromethane             | 1.520          | 50   | 68221      | 44.784  | ug/l   | 98       |
| 4) Vinyl Chloride            | 1.604          | 62   | 71520      | 48.197  | ug/l   | 98       |
| 5) Bromomethane              | 1.842          | 94   | 45290      | 54.720  | ug/l   | 99       |
| 6) Chloroethane              | 1.925          | 64   | 43003      | 44.406  | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 2.134          | 101  | 97251      | 49.561  | ug/l   | 99       |
| 8) Diethyl Ether             | 2.379          | 74   | 38923      | 50.111  | ug/l   | 94       |
| 9) 1,1,2-Trichlorotrifluo... | 2.578          | 101  | 56324      | 49.157  | ug/l   | 96       |
| 10) Methyl Iodide            | 2.723          | 142  | 56771      | 37.862  | ug/l   | 92       |
| 11) Tert butyl alcohol       | 3.179          | 59   | 89591      | 294.334 | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 2.578          | 96   | 54133      | 47.918  | ug/l   | 98       |
| 13) Acrolein                 | 2.485          | 56   | 12489      | 283.137 | ug/l   | 100      |
| 14) Allyl chloride           | 2.922          | 41   | 100368     | 49.756  | ug/l   | 96       |
| 15) Acrylonitrile            | 3.311          | 53   | 222893     | 274.270 | ug/l   | 98       |
| 16) Acetone                  | 2.623          | 43   | 174348     | 222.715 | ug/l   | 98       |
| 17) Carbon Disulfide         | 2.794          | 76   | 133322     | 42.133  | ug/l   | 99       |
| 18) Methyl Acetate           | 2.948          | 43   | 135820     | 50.939  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 3.366          | 73   | 211445     | 51.996  | ug/l   | 98       |
| 20) Methylene Chloride       | 3.044          | 84   | 67391      | 49.544  | ug/l   | 99       |
| 21) trans-1,2-Dichloroethene | 3.353          | 96   | 59427      | 50.564  | ug/l   | 97       |
| 22) Diisopropyl ether        | 3.996          | 45   | 208206     | 52.567  | ug/l   | 91       |
| 23) Vinyl Acetate            | 3.957          | 43   | 782817     | 256.974 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 3.871          | 63   | 121663     | 51.547  | ug/l   | 100      |
| 25) 2-Butanone               | 4.700          | 43   | 289452     | 266.591 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 4.668          | 77   | 93713      | 47.915  | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 4.668          | 96   | 73214      | 53.038  | ug/l   | 99       |
| 28) Bromochloromethane       | 4.977          | 49   | 60156      | 53.461  | ug/l   | 95       |
| 29) Tetrahydrofuran          | 5.051          | 42   | 181595     | 273.430 | ug/l   | 98       |
| 30) Chloroform               | 5.093          | 83   | 122529     | 52.491  | ug/l   | 100      |
| 31) Cyclohexane              | 5.392          | 56   | 101298     | 45.145  | ug/l   | 99       |
| 32) 1,1,1-Trichloroethane    | 5.321          | 97   | 104981     | 52.738  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 5.527          | 75   | 85938      | 48.873  | ug/l   | 100      |
| 37) Ethyl Acetate            | 4.803          | 43   | 101998     | 50.496  | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 5.527          | 117  | 90194      | 50.877  | ug/l   | 99       |
| 39) Methylcyclohexane        | 6.764          | 83   | 101539     | 47.069  | ug/l   | 97       |
| 40) Benzene                  | 5.777          | 78   | 261105     | 50.154  | ug/l   | 98       |

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Quant Time: Nov 15 05:22:31 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U110521W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 05 13:35:16 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.974  | 41   | 58150    | 54.476   | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 5.797  | 62   | 97107    | 51.640   | ug/l   | 100      |
| 43) Isopropyl Acetate         | 5.912  | 43   | 156913   | 50.789   | ug/l   | 98       |
| 44) Trichloroethene           | 6.543  | 130  | 76470    | 61.365   | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 6.793  | 63   | 73525    | 53.375   | ug/l   | 98       |
| 46) Dibromomethane            | 6.919  | 93   | 49707    | 52.079   | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.108  | 83   | 97718    | 53.957   | ug/l   | 97       |
| 48) Methyl methacrylate       | 6.961  | 41   | 75294    | 52.949   | ug/l   | 97       |
| 49) 1,4-Dioxane               | 6.961  | 88   | 43422    | 1187.383 | ug/l # | 94       |
| 51) 4-Methyl-2-Pentanone      | 7.793  | 43   | 554953   | 272.298  | ug/l   | 100      |
| 52) Toluene                   | 7.970  | 92   | 165381   | 51.888   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.211  | 75   | 105176   | 50.532   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 7.610  | 75   | 111465   | 50.420   | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 8.401  | 97   | 70717    | 53.535   | ug/l   | 99       |
| 56) Ethyl methacrylate        | 8.334  | 69   | 109854   | 46.541   | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 8.578  | 76   | 124616   | 52.378   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 7.446  | 63   | 428      | 0.352    | ug/l # | 49       |
| 59) 2-Hexanone                | 8.684  | 43   | 424781   | 239.850  | ug/l   | 99       |
| 60) Dibromochloromethane      | 8.813  | 129  | 74800    | 54.380   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 8.925  | 107  | 73657    | 51.990   | ug/l   | 99       |
| 64) Tetrachloroethene         | 8.555  | 164  | 54709    | 53.371   | ug/l   | 95       |
| 65) Chlorobenzene             | 9.449  | 112  | 175514   | 50.031   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 9.536  | 131  | 64148    | 51.271   | ug/l   | 99       |
| 67) Ethyl Benzene             | 9.571  | 91   | 317515   | 50.541   | ug/l   | 100      |
| 68) m/p-Xylenes               | 9.697  | 106  | 244036   | 103.000  | ug/l   | 100      |
| 69) o-Xylene                  | 10.102 | 106  | 120825   | 52.454   | ug/l   | 98       |
| 70) Styrene                   | 10.115 | 104  | 206667   | 53.034   | ug/l   | 98       |
| 71) Bromoform                 | 10.292 | 173  | 55541    | 47.092   | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.488 | 105  | 315352   | 51.802   | ug/l   | 99       |
| 74) N-amyl acetate            | 10.321 | 43   | 128960   | 46.959   | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 10.784 | 83   | 123752   | 51.309   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 10.825 | 75   | 136282   | 48.234   | ug/l   | 95       |
| 77) Bromobenzene              | 10.784 | 156  | 75269    | 50.926   | ug/l   | 95       |
| 78) n-propylbenzene           | 10.909 | 91   | 382396   | 50.471   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 10.989 | 91   | 227910   | 50.915   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 272236   | 51.184   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 10.549 | 75   | 34899    | 41.034   | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 11.099 | 91   | 264978   | 50.475   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.423 | 119  | 263507   | 51.972   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 273765   | 51.789   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.645 | 105  | 341028   | 50.716   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 11.796 | 119  | 283924   | 50.529   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 11.748 | 146  | 144969   | 48.612   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 11.838 | 146  | 147877   | 49.029   | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.211 | 91   | 259370   | 47.918   | ug/l   | 99       |
| 90) Hexachloroethane          | 12.478 | 117  | 47996    | 47.349   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 12.214 | 146  | 146914   | 50.636   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.999 | 75   | 28674    | 50.384   | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 13.841 | 180  | 93895    | 46.805   | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 14.025 | 225  | 38366    | 44.305   | ug/l   | 99       |
| 95) Naphthalene               | 14.089 | 128  | 361147   | 47.930   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 14.333 | 180  | 100555   | 50.464   | ug/l   | 99       |

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MSVOA\_U  
ClientSampleId :  
MH-117T-20211109MSD

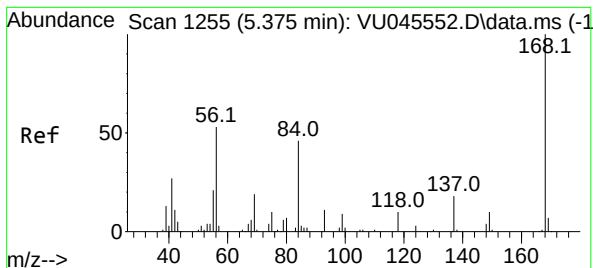
Quant Time: Nov 15 05:22:31 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U110521W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 05 13:35:16 2021  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

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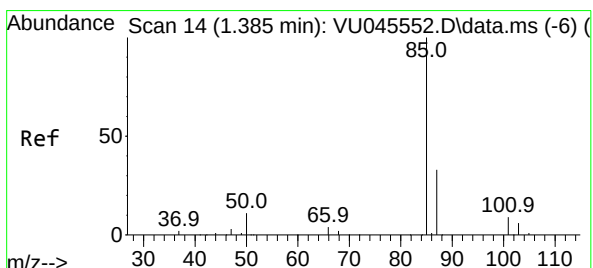
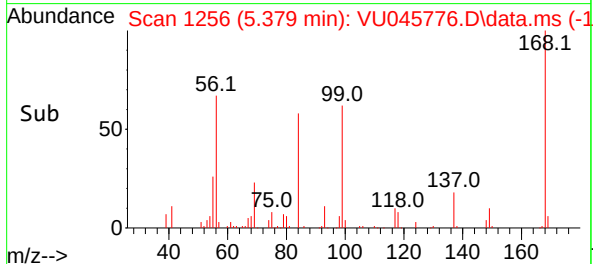
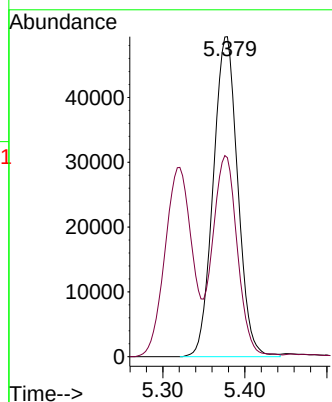
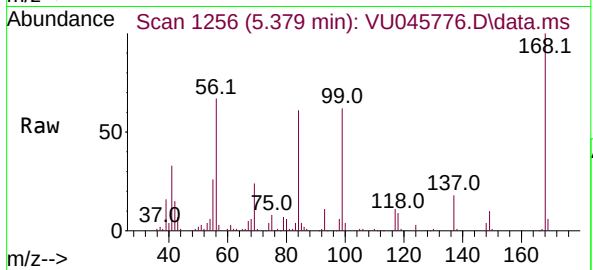




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.379 min Scan# 11  
Delta R.T. 0.004 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

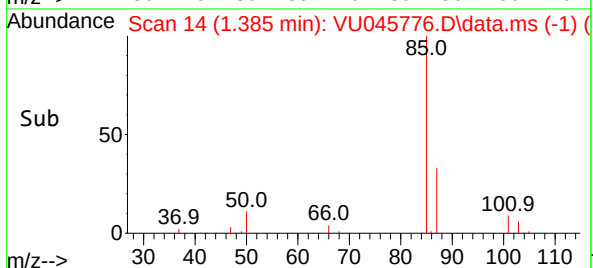
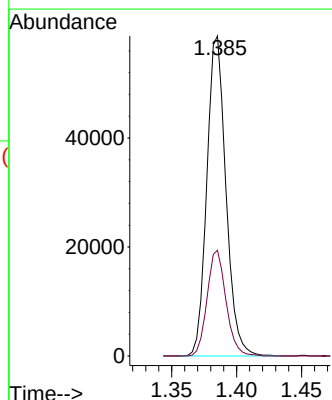
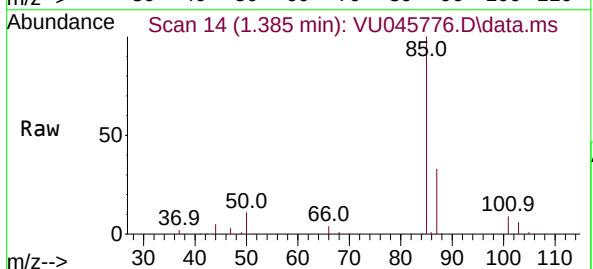
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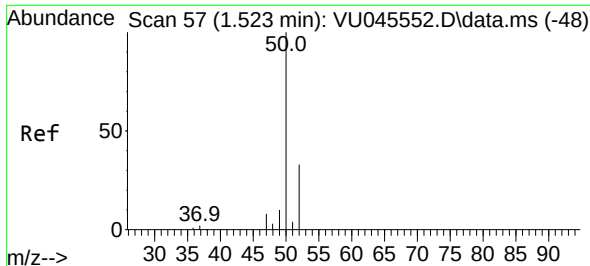
Tgt Ion:168 Resp: 102685  
Ion Ratio Lower Upper  
168 100  
99 61.6 51.0 76.6



#2  
Dichlorodifluoromethane  
Concen: 45.041 ug/l  
RT: 1.385 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

Tgt Ion: 85 Resp: 59966  
Ion Ratio Lower Upper  
85 100  
87 33.1 15.9 47.7

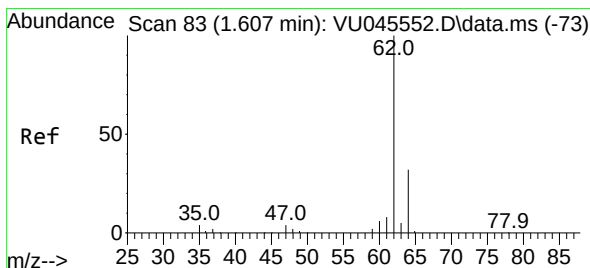
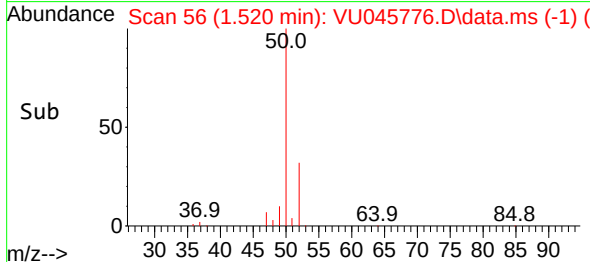
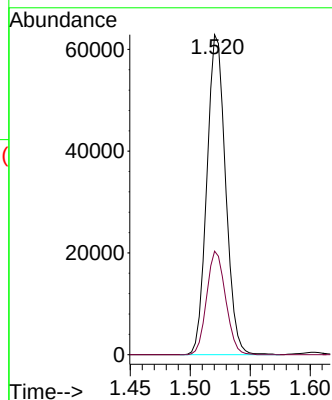
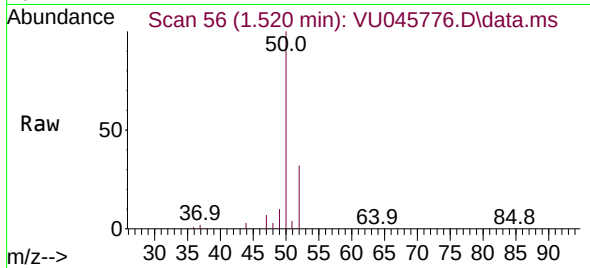




#3  
Chloromethane  
Concen: 44.784 ug/l  
RT: 1.520 min Scan# 50  
Delta R.T. -0.003 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

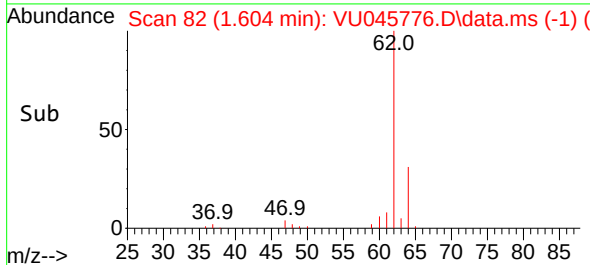
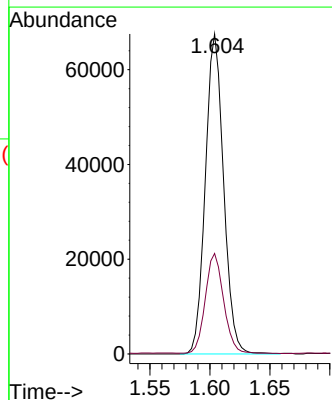
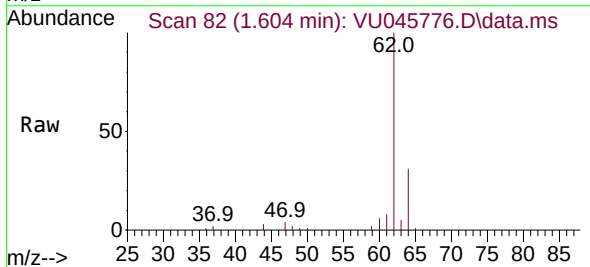
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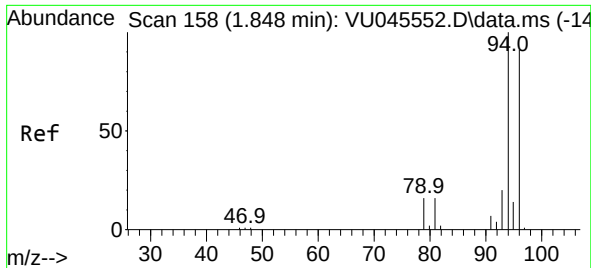
Tgt Ion: 50 Resp: 68221  
Ion Ratio Lower Upper  
50 100  
52 32.4 26.6 40.0



#4  
Vinyl Chloride  
Concen: 48.197 ug/l  
RT: 1.604 min Scan# 82  
Delta R.T. -0.003 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

Tgt Ion: 62 Resp: 71520  
Ion Ratio Lower Upper  
62 100  
64 31.2 25.8 38.6

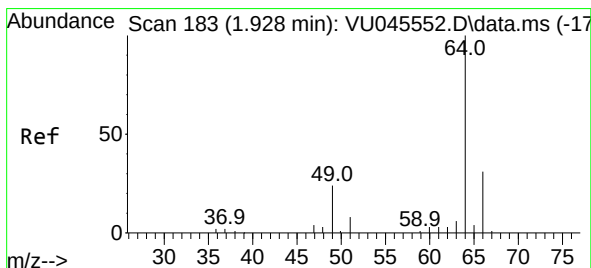
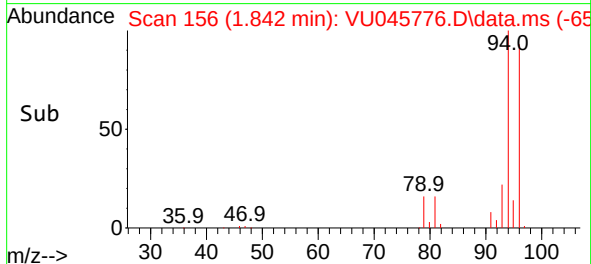
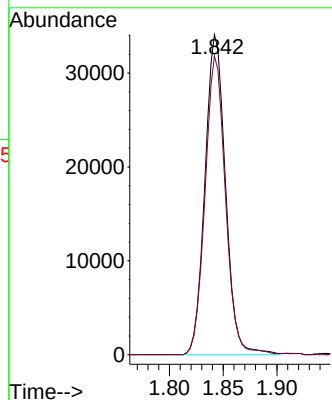
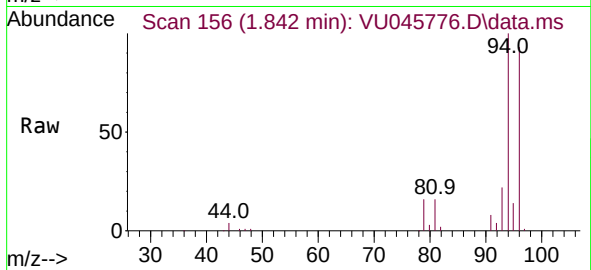




#5  
Bromomethane  
Concen: 54.720 ug/l  
RT: 1.842 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

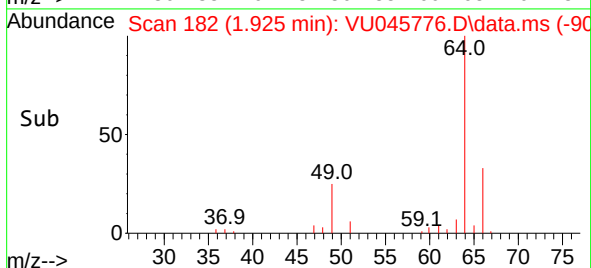
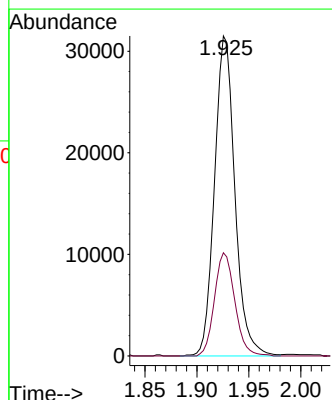
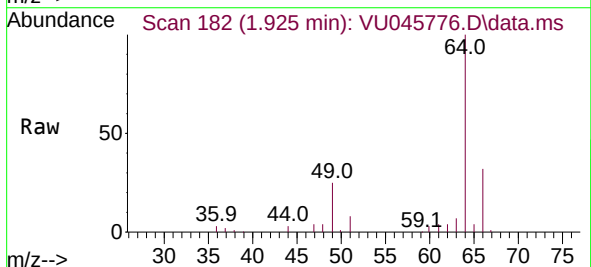
Instrument :  
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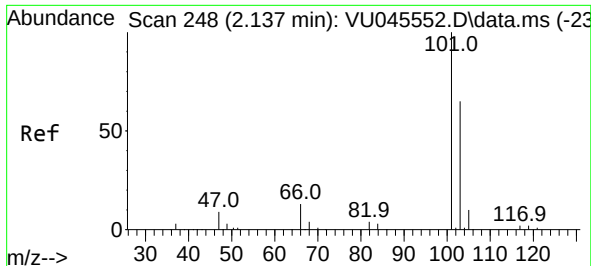
Tgt Ion: 94 Resp: 45290  
Ion Ratio Lower Upper  
94 100  
96 93.3 75.4 113.2



#6  
Chloroethane  
Concen: 44.406 ug/l  
RT: 1.925 min Scan# 182  
Delta R.T. -0.003 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

Tgt Ion: 64 Resp: 43003  
Ion Ratio Lower Upper  
64 100  
66 32.3 26.7 40.1

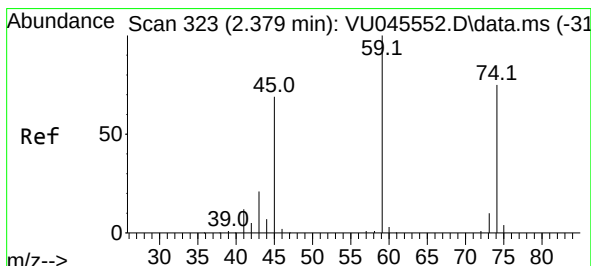
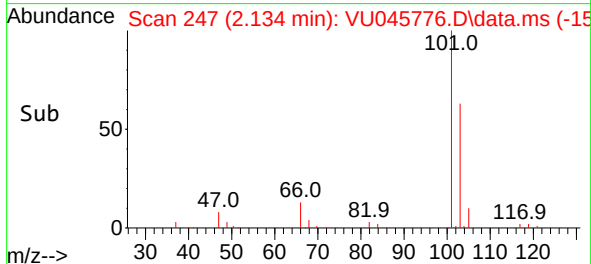
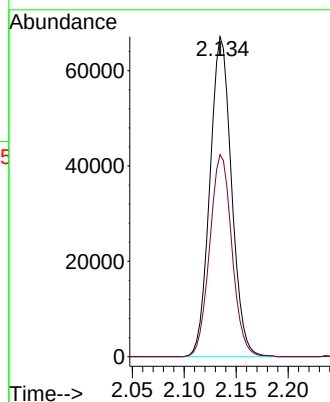
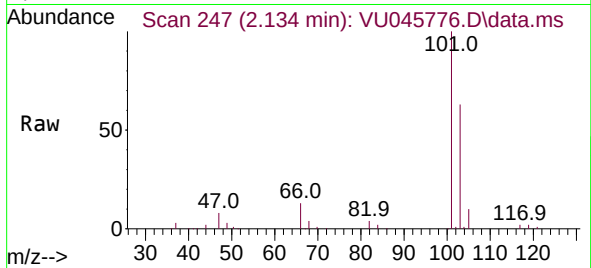




#7  
 Trichlorofluoromethane  
 Concen: 49.561 ug/l  
 RT: 2.134 min Scan# 248  
 Delta R.T. -0.003 min  
 Lab File: VU045776.D  
 Acq: 12 Nov 2021 17:53

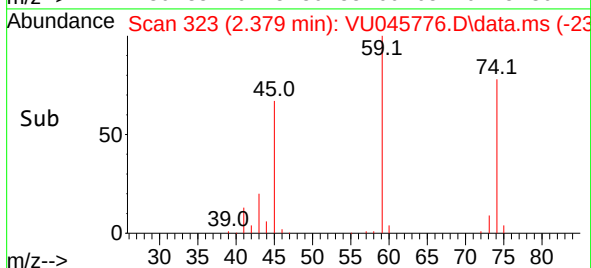
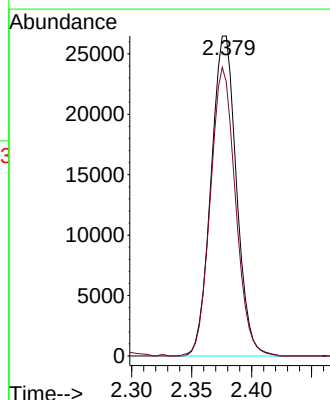
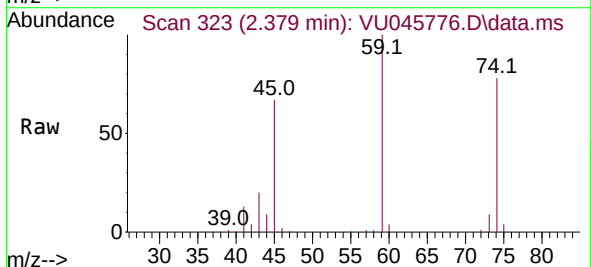
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MH-117T-20211109MSD

Tgt Ion:101 Resp: 97251  
 Ion Ratio Lower Upper  
 101 100  
 103 63.1 51.4 77.0

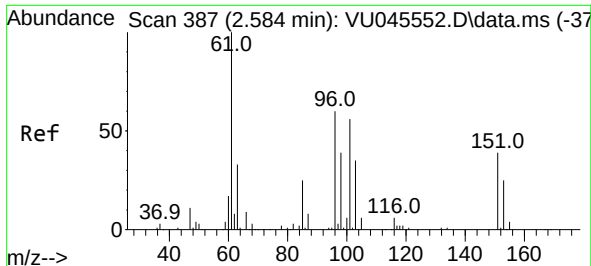


#8  
 Diethyl Ether  
 Concen: 50.111 ug/l  
 RT: 2.379 min Scan# 323  
 Delta R.T. 0.000 min  
 Lab File: VU045776.D  
 Acq: 12 Nov 2021 17:53

Tgt Ion: 74 Resp: 38923  
 Ion Ratio Lower Upper  
 74 100  
 45 89.2 47.3 141.8



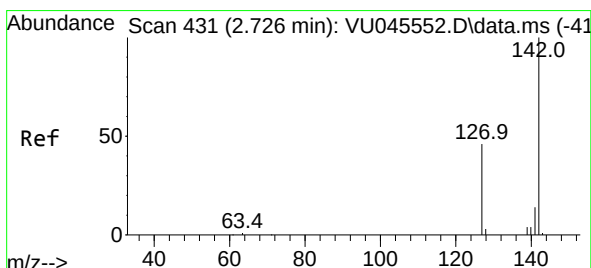
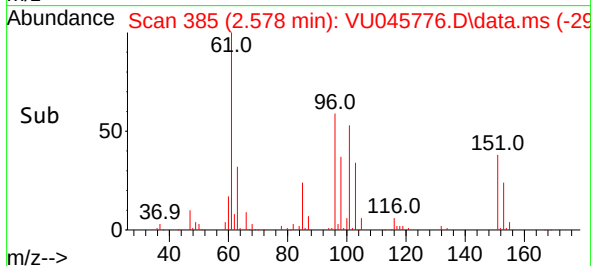
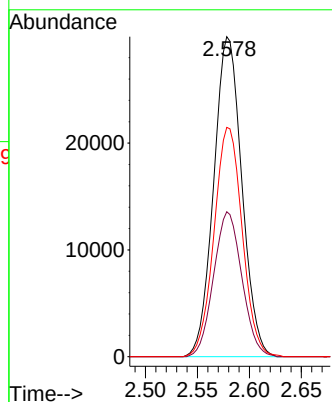
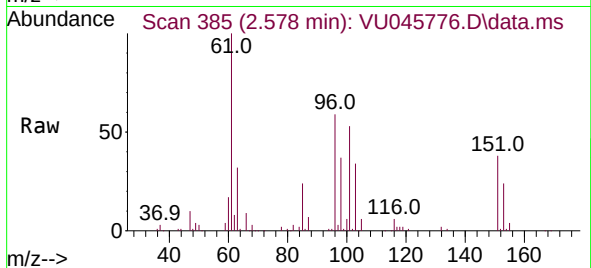




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 49.157 ug/l  
RT: 2.578 min Scan# 387  
Delta R.T. -0.006 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

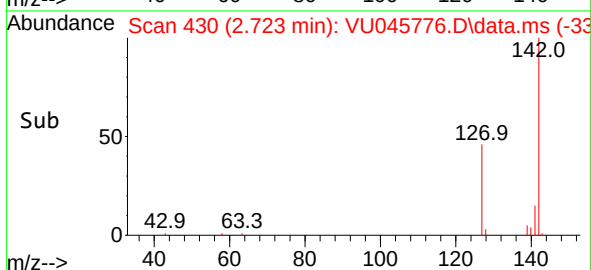
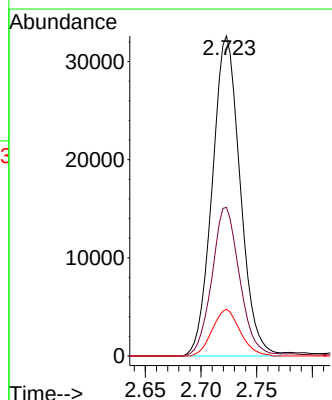
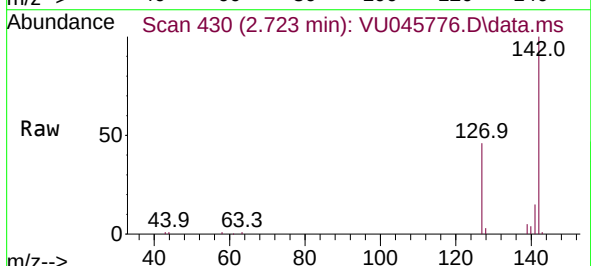
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MSVOA\_U  
ClientSampleId :  
MH-117T-20211109MSD

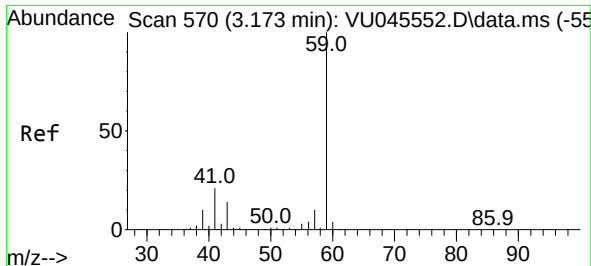
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:101 | Resp: | 56324     |
| Ion Ratio   | Lower | Upper     |
| 101         | 100   |           |
| 85          | 45.5  | 35.0 52.4 |
| 151         | 71.9  | 54.6 82.0 |



#10  
Methyl Iodide  
Concen: 37.862 ug/l  
RT: 2.723 min Scan# 430  
Delta R.T. -0.003 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:142 | Resp: | 56771     |
| Ion Ratio   | Lower | Upper     |
| 142         | 100   |           |
| 127         | 46.3  | 32.2 48.2 |
| 141         | 14.5  | 11.3 16.9 |

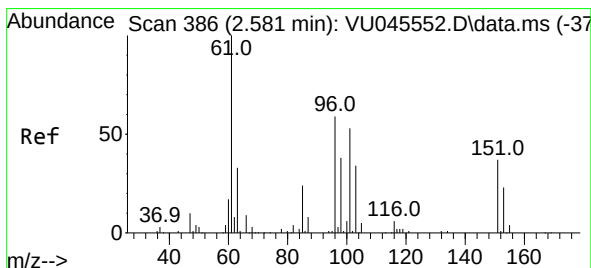
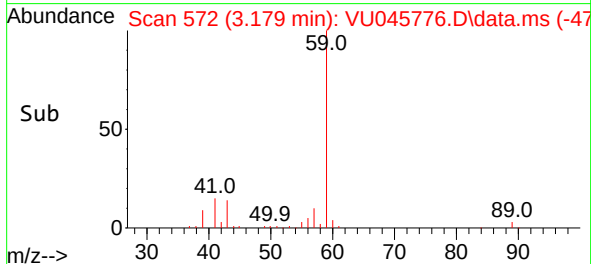
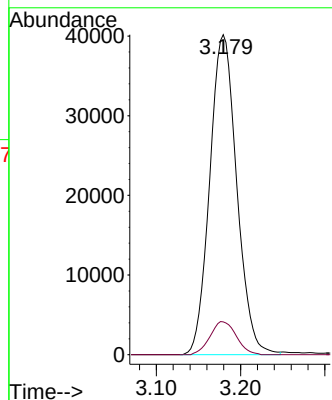
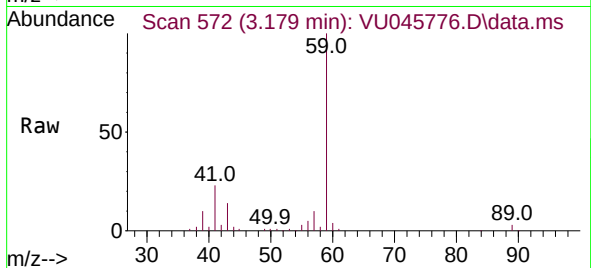




#11  
Tert butyl alcohol  
Concen: 294.334 ug/l  
RT: 3.179 min Scan# 51  
Delta R.T. 0.007 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

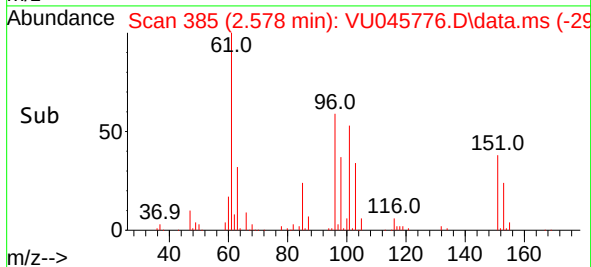
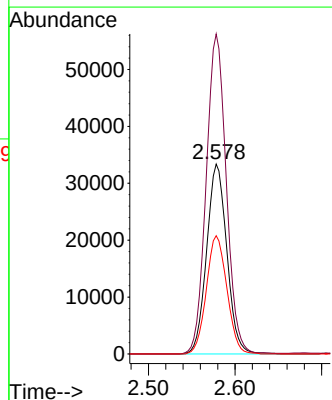
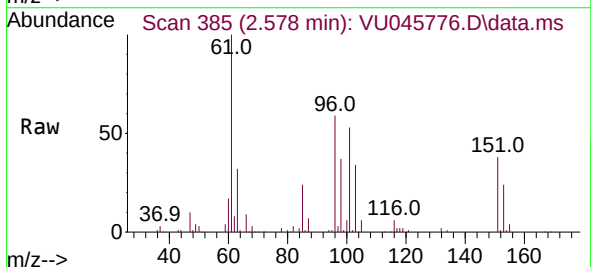
Instrument :  
MSVOA\_U  
ClientSampleId :  
MH-117T-20211109MSD

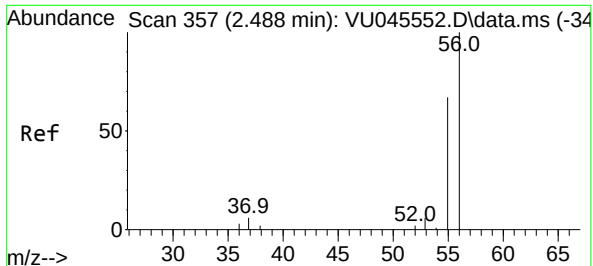
Tgt Ion: 59 Resp: 89591  
Ion Ratio Lower Upper  
59 100  
57 10.1 8.3 12.5



#12  
1,1-Dichloroethene  
Concen: 47.918 ug/l  
RT: 2.578 min Scan# 385  
Delta R.T. -0.003 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

Tgt Ion: 96 Resp: 54133  
Ion Ratio Lower Upper  
96 100  
61 168.5 137.1 205.7  
98 62.2 51.5 77.3

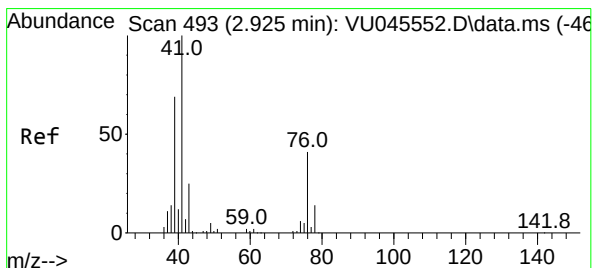
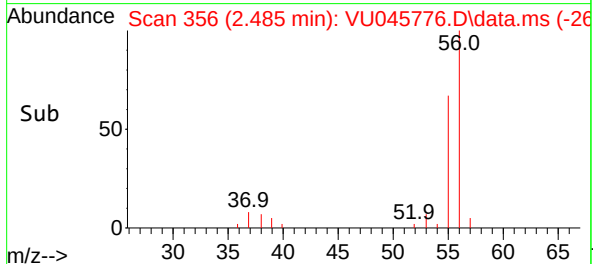
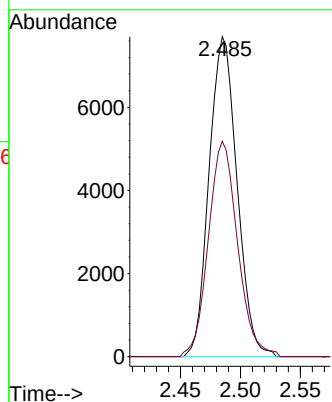
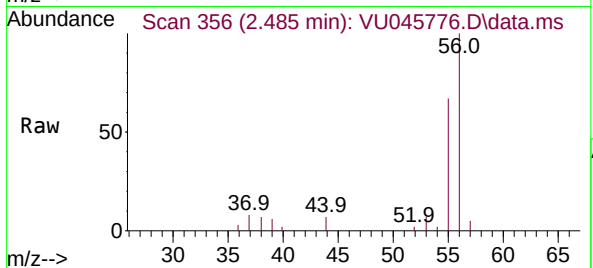




#13  
Acrolein  
Concen: 283.137 ug/l  
RT: 2.485 min Scan# 357  
Delta R.T. -0.003 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

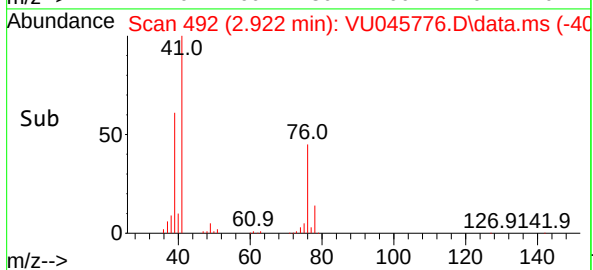
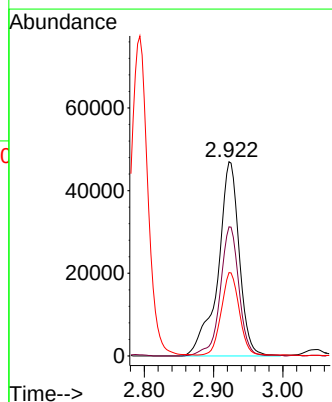
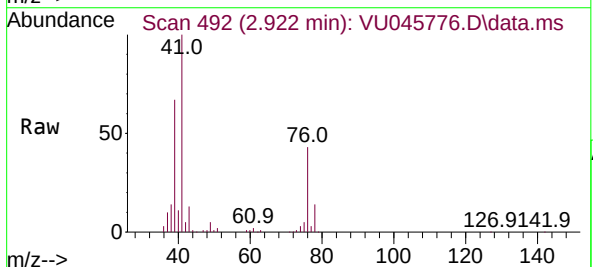
Instrument :  
MSVOA\_U  
ClientSampleId :  
MH-117T-20211109MSD

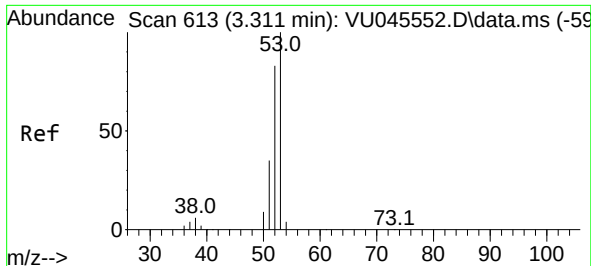
Tgt Ion: 56 Resp: 12489  
Ion Ratio Lower Upper  
56 100  
55 70.3 56.3 84.5



#14  
Allyl chloride  
Concen: 49.756 ug/l  
RT: 2.922 min Scan# 492  
Delta R.T. -0.003 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

Tgt Ion: 41 Resp: 100368  
Ion Ratio Lower Upper  
41 100  
39 58.5 49.7 74.5  
76 35.5 27.7 41.5

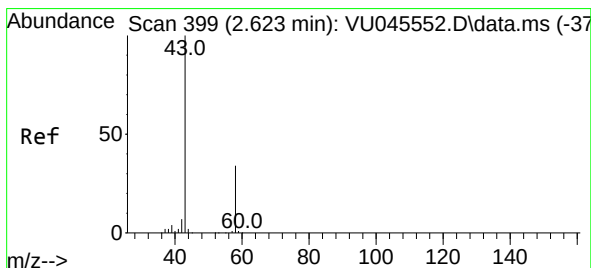
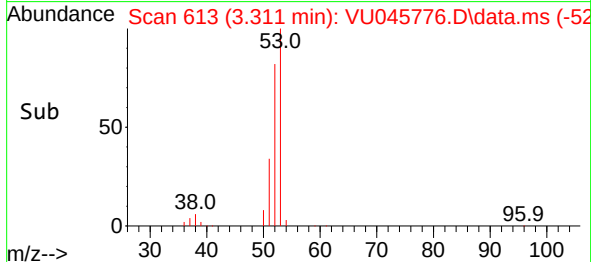
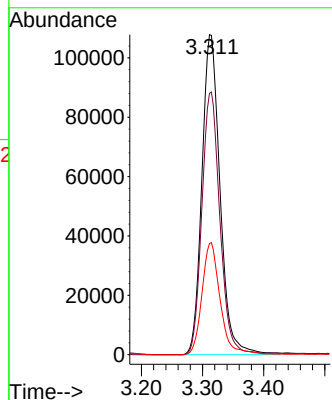
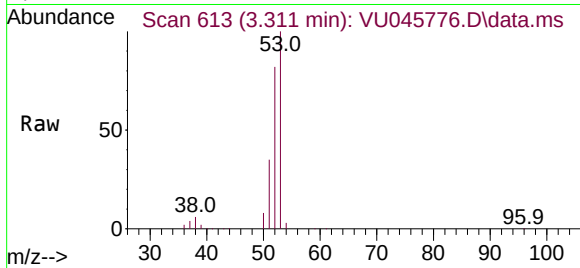




#15  
Acrylonitrile  
Concen: 274.270 ug/l  
RT: 3.311 min Scan# 613  
Delta R.T. 0.000 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

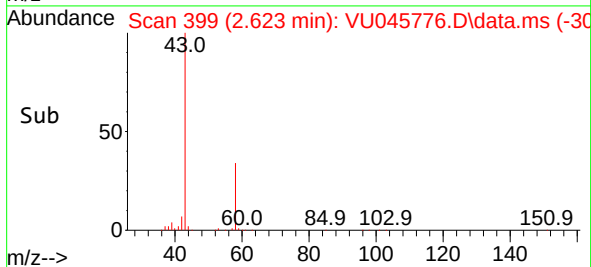
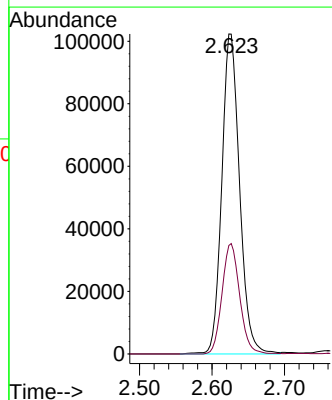
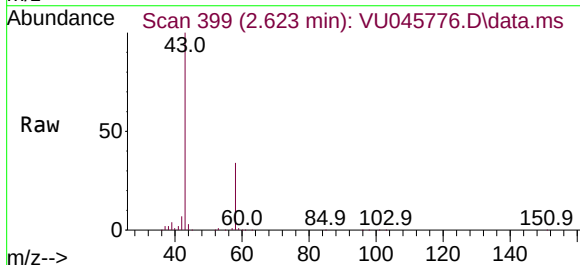
Instrument :  
MSVOA\_U  
ClientSampleId :  
MH-117T-20211109MSD

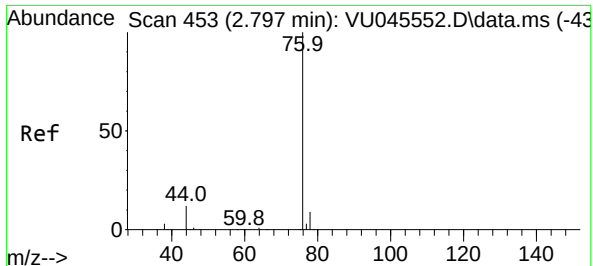
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 53    | Resp: | 222893 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 81.3  | 66.6  | 100.0  |
| 51       | 35.1  | 28.4  | 42.6   |



#16  
Acetone  
Concen: 222.715 ug/l  
RT: 2.623 min Scan# 399  
Delta R.T. 0.000 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 174348 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 33.9  | 26.2  | 39.2   |

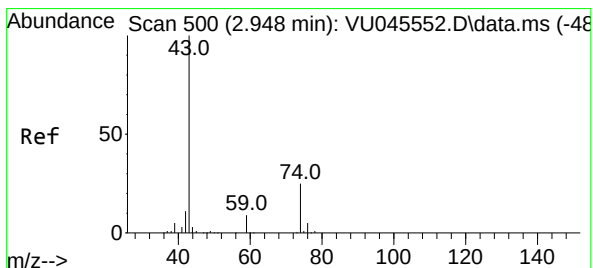
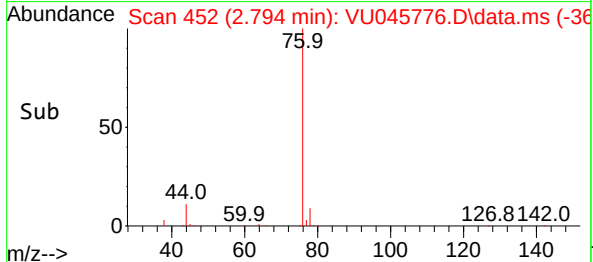
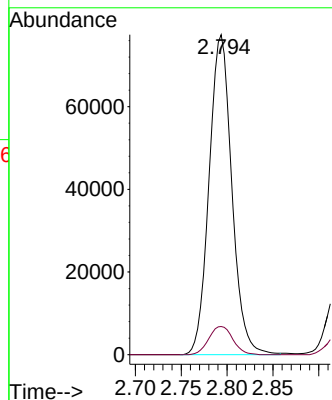
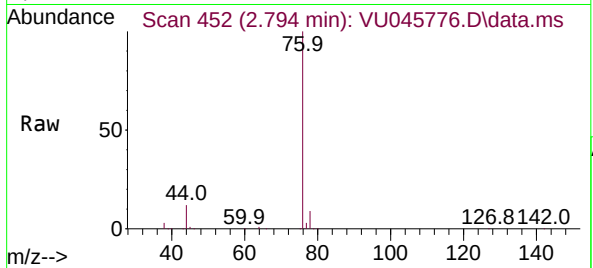




#17  
Carbon Disulfide  
Concen: 42.133 ug/l  
RT: 2.794 min Scan# 41  
Delta R.T. -0.003 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

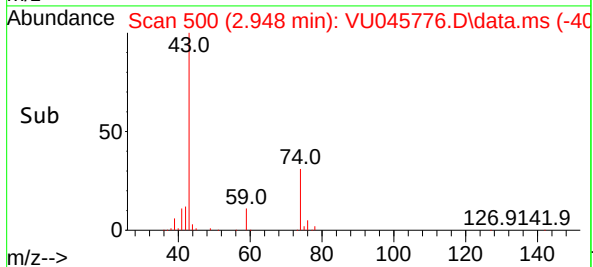
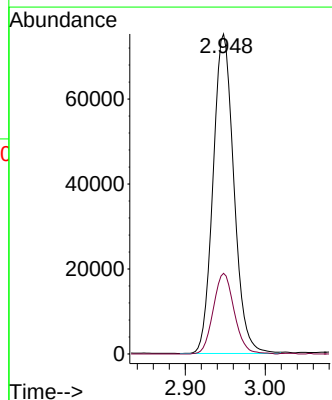
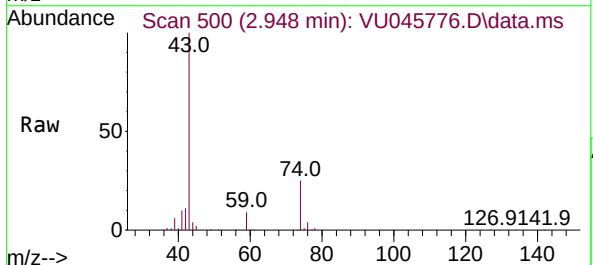
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ClientSampleId :  
MH-117T-20211109MSD

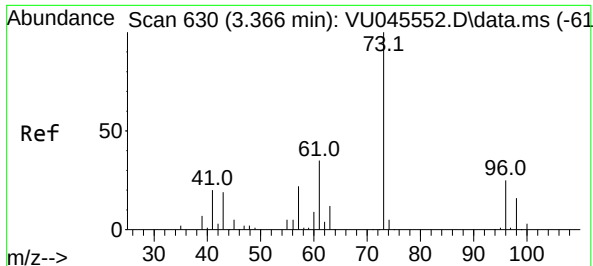
Tgt Ion: 76 Resp: 133322  
Ion Ratio Lower Upper  
76 100  
78 8.8 7.3 10.9



#18  
Methyl Acetate  
Concen: 50.939 ug/l  
RT: 2.948 min Scan# 500  
Delta R.T. 0.000 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

Tgt Ion: 43 Resp: 135820  
Ion Ratio Lower Upper  
43 100  
74 25.5 20.2 30.2





#19

Methyl tert-butyl Ether

Concen: 51.996 ug/l

RT: 3.366 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU045776.D

Acq: 12 Nov 2021 17:53

Instrument :

MSVOA\_U

ClientSampleId :

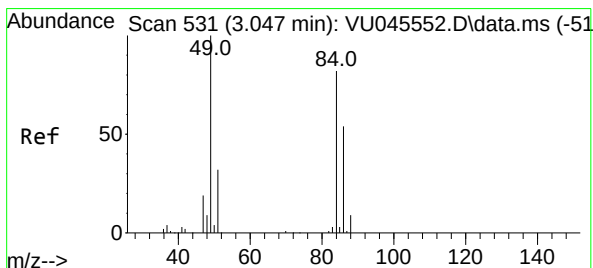
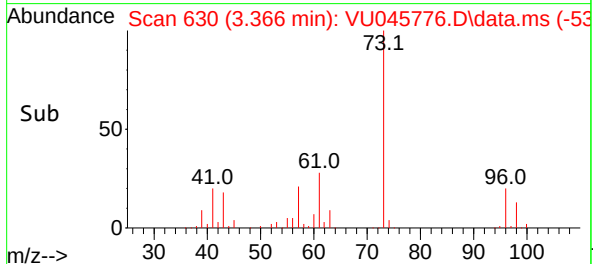
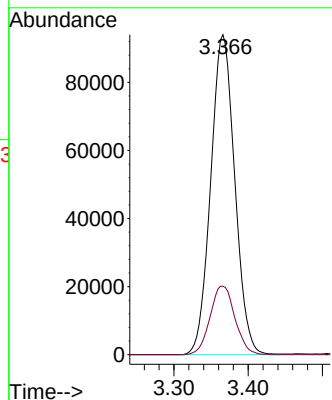
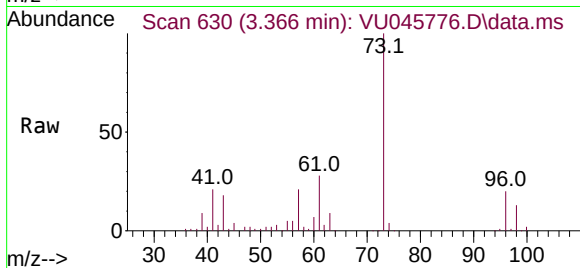
MH-117T-20211109MSD

Tgt Ion: 73 Resp: 211445

Ion Ratio Lower Upper

73 100

57 21.4 18.1 27.1



#20

Methylene Chloride

Concen: 49.544 ug/l

RT: 3.044 min Scan# 530

Delta R.T. -0.003 min

Lab File: VU045776.D

Acq: 12 Nov 2021 17:53

Tgt Ion: 84 Resp: 67391

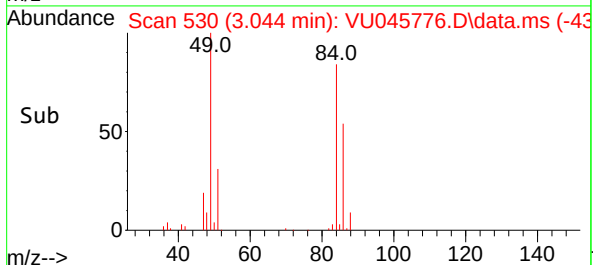
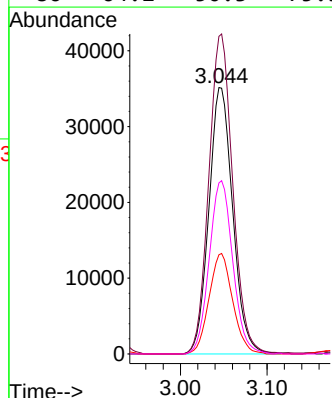
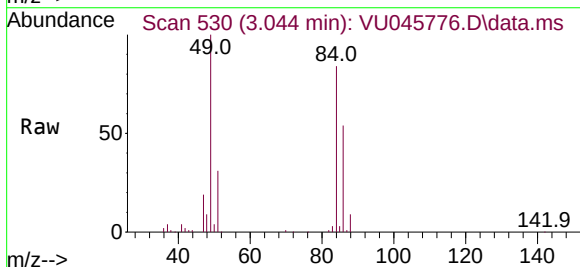
Ion Ratio Lower Upper

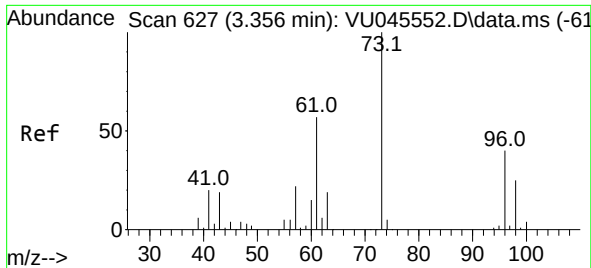
84 100

49 119.2 96.4 144.6

51 37.3 30.5 45.7

86 64.2 50.3 75.5

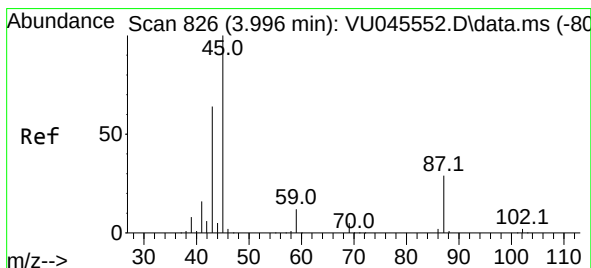
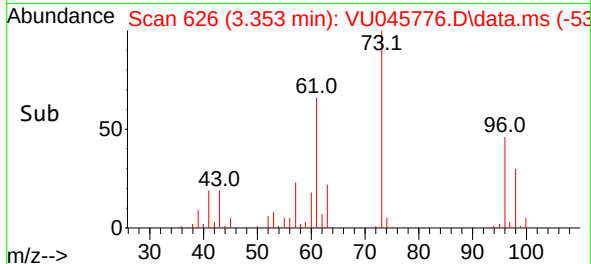
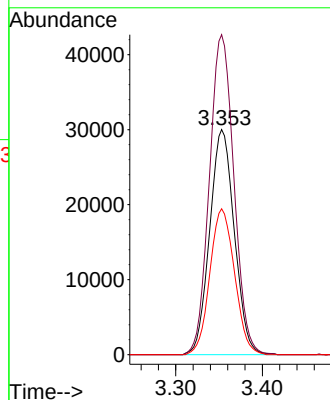
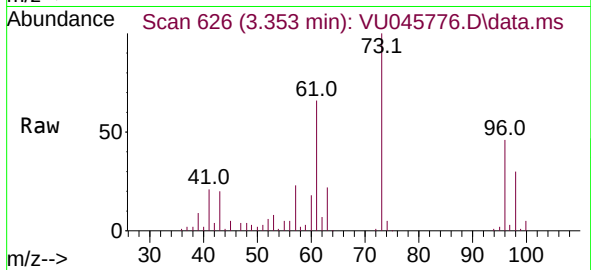




#21  
trans-1,2-Dichloroethene  
Concen: 50.564 ug/l  
RT: 3.353 min Scan# 61  
Delta R.T. -0.003 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

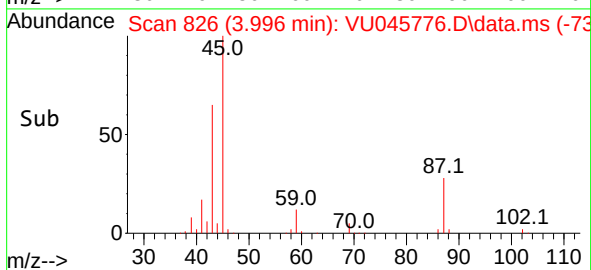
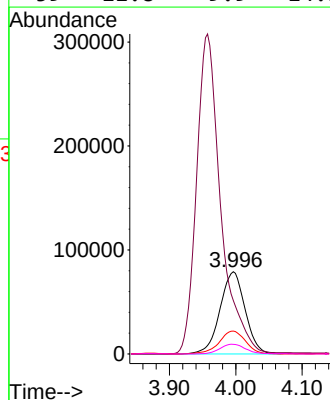
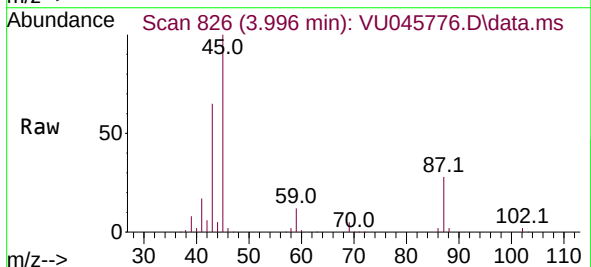
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MSVOA\_U  
ClientSampleId :  
MH-117T-20211109MSD

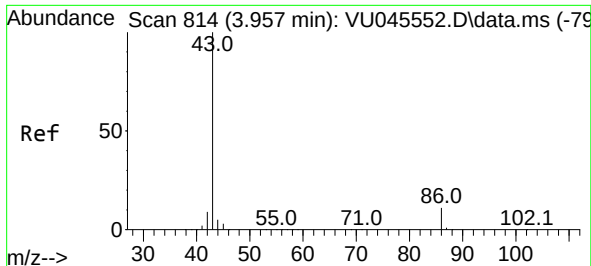
Tgt Ion: 96 Resp: 59427  
Ion Ratio Lower Upper  
96 100  
61 142.1 118.2 177.4  
98 64.8 52.1 78.1



#22  
Diisopropyl ether  
Concen: 52.567 ug/l  
RT: 3.996 min Scan# 826  
Delta R.T. 0.000 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

Tgt Ion: 45 Resp: 208206  
Ion Ratio Lower Upper  
45 100  
43 63.3 60.0 90.0  
87 27.9 22.3 33.5  
59 11.8 9.9 14.9

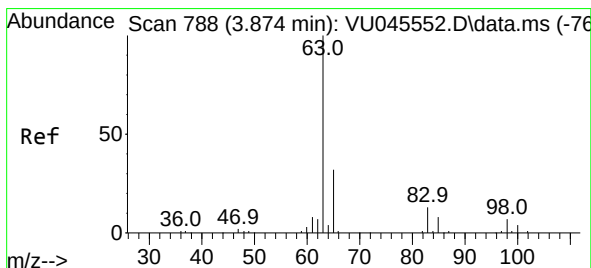
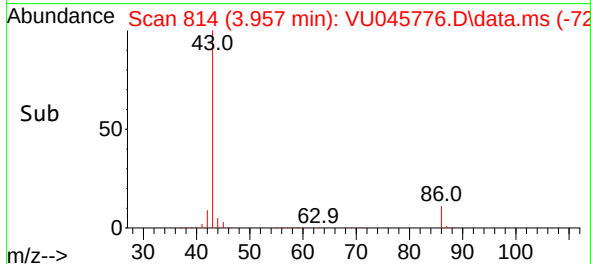
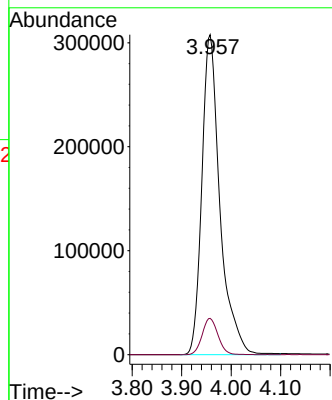
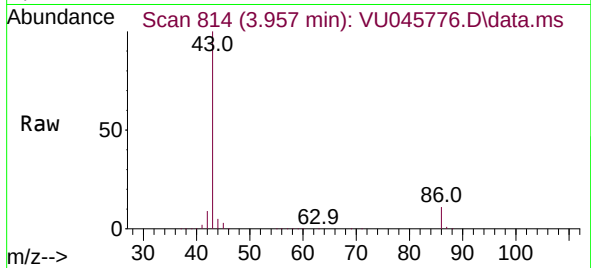




#23  
 Vinyl Acetate  
 Concen: 256.974 ug/l  
 RT: 3.957 min Scan# 814  
 Delta R.T. 0.000 min  
 Lab File: VU045776.D  
 Acq: 12 Nov 2021 17:53

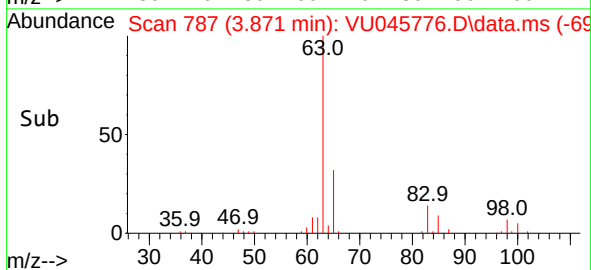
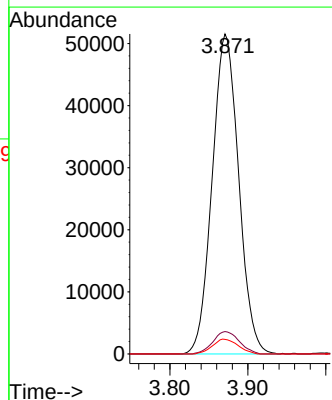
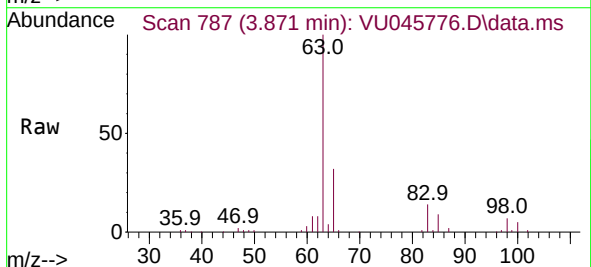
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MH-117T-20211109MSD

Tgt Ion: 43 Resp: 782817  
 Ion Ratio Lower Upper  
 43 100  
 86 11.3 8.9 13.3

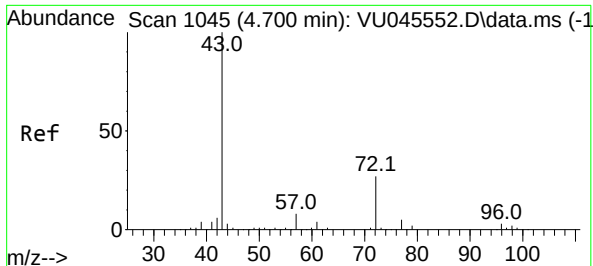


#24  
 1,1-Dichloroethane  
 Concen: 51.547 ug/l  
 RT: 3.871 min Scan# 787  
 Delta R.T. -0.003 min  
 Lab File: VU045776.D  
 Acq: 12 Nov 2021 17:53

Tgt Ion: 63 Resp: 121663  
 Ion Ratio Lower Upper  
 63 100  
 98 7.0 3.5 10.6  
 100 4.5 2.4 7.2







#25

2-Butanone

Concen: 266.591 ug/l

RT: 4.700 min Scan# 1045

Delta R.T. 0.000 min

Lab File: VU045776.D

Acq: 12 Nov 2021 17:53

Instrument :

MSVOA\_U

ClientSampleId :

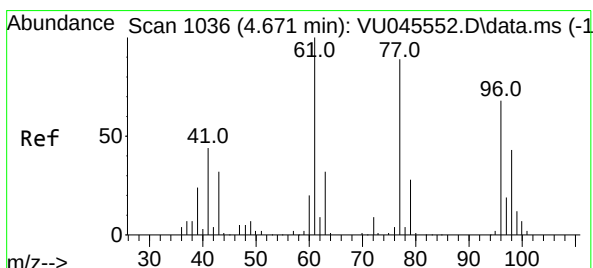
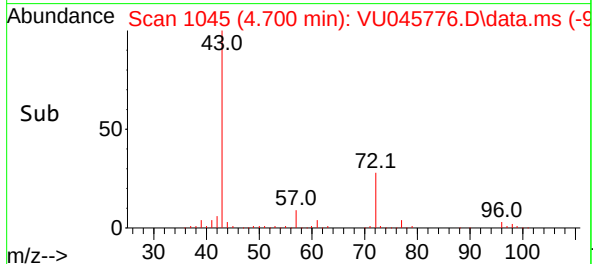
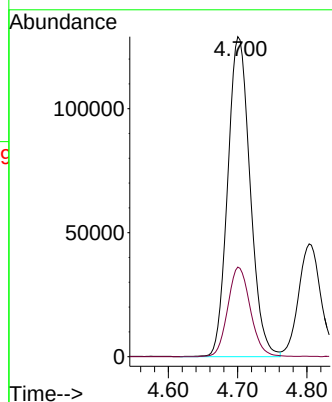
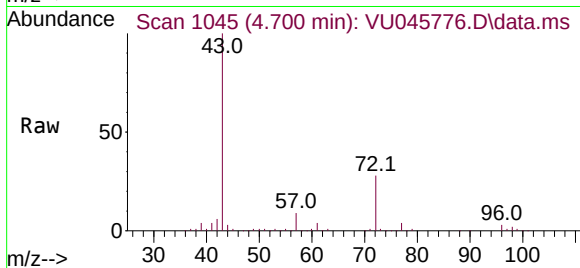
MH-117T-20211109MSD

Tgt Ion: 43 Resp: 289452

Ion Ratio Lower Upper

43 100

72 28.0 22.0 33.0



#26

2,2-Dichloropropane

Concen: 47.915 ug/l

RT: 4.668 min Scan# 1035

Delta R.T. -0.003 min

Lab File: VU045776.D

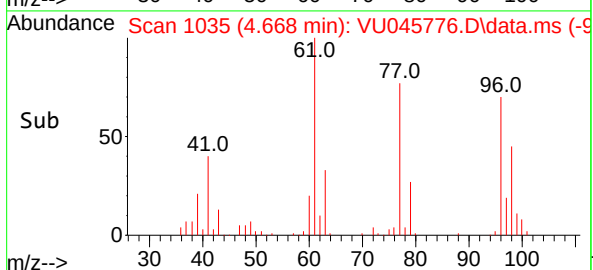
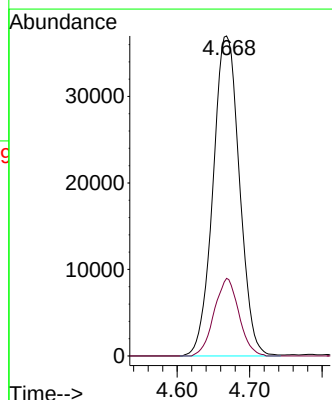
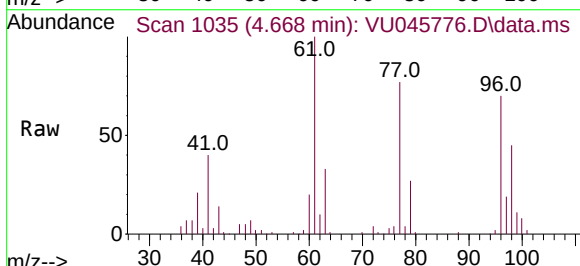
Acq: 12 Nov 2021 17:53

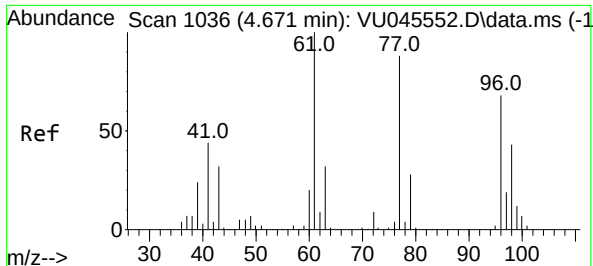
Tgt Ion: 77 Resp: 93713

Ion Ratio Lower Upper

77 100

97 22.7 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 53.038 ug/l

RT: 4.668 min Scan# 11035

Delta R.T. -0.003 min

Lab File: VU045776.D

Acq: 12 Nov 2021 17:53

Instrument :

MSVOA\_U

ClientSampleId :

MH-117T-20211109MSD

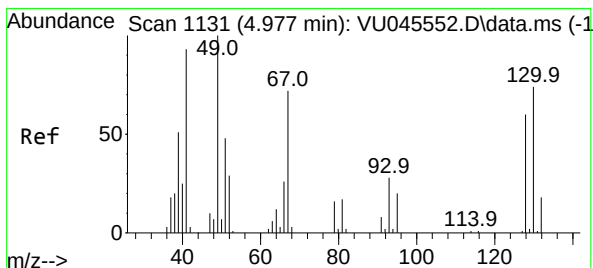
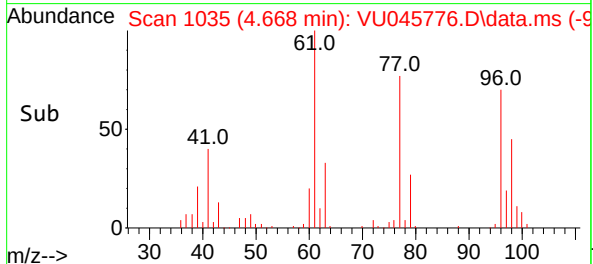
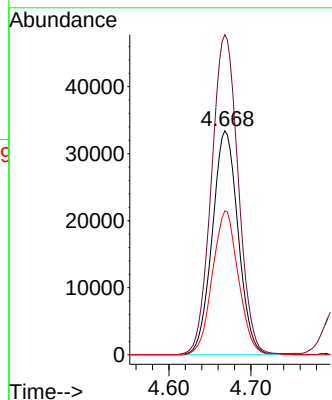
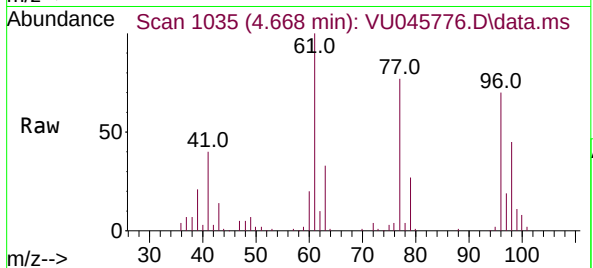
Tgt Ion: 96 Resp: 73214

Ion Ratio Lower Upper

96 100

61 148.1 0.0 299.2

98 64.5 0.0 127.6



#28

Bromochloromethane

Concen: 53.461 ug/l

RT: 4.977 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VU045776.D

Acq: 12 Nov 2021 17:53

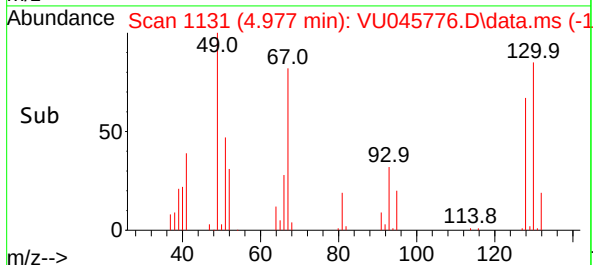
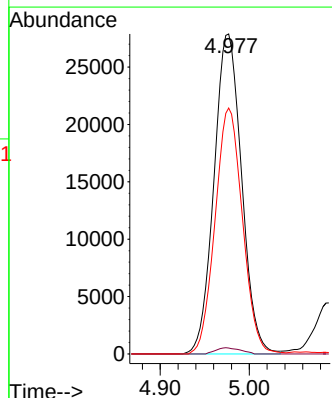
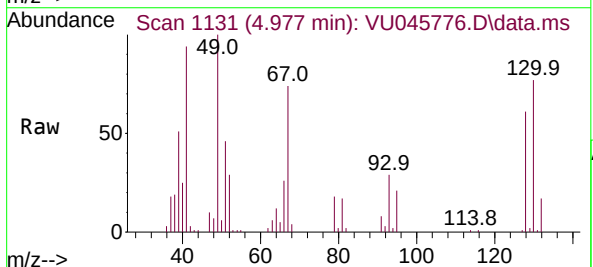
Tgt Ion: 49 Resp: 60156

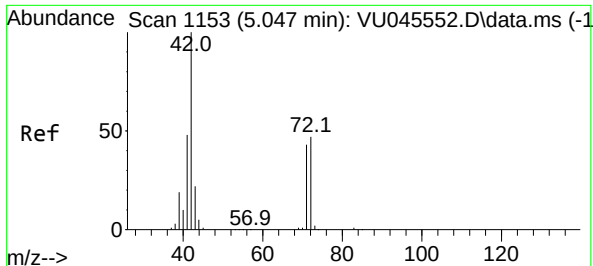
Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.4

130 76.0 57.5 86.3





#29

Tetrahydrofuran

Concen: 273.430 ug/l

RT: 5.051 min Scan# 1153

Delta R.T. 0.003 min

Lab File: VU045776.D

Acq: 12 Nov 2021 17:53

Instrument :

MSVOA\_U

ClientSampleId :

MH-117T-20211109MSD

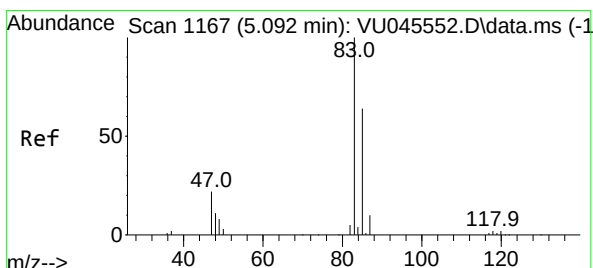
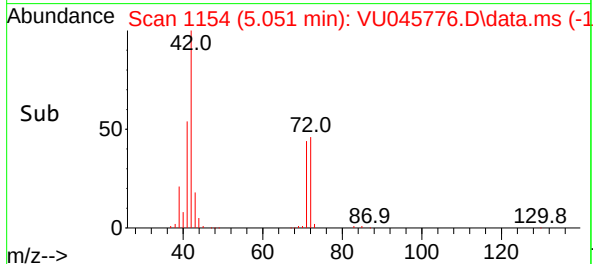
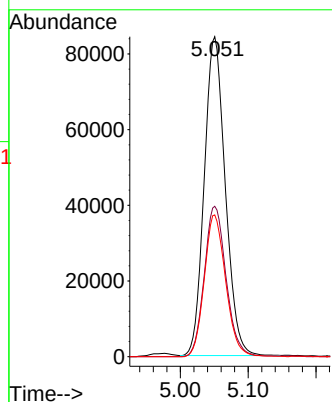
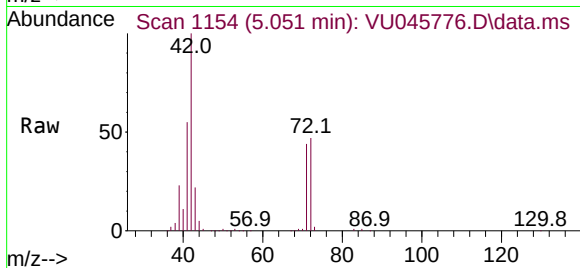
Tgt Ion: 42 Resp: 181595

Ion Ratio Lower Upper

42 100

72 48.9 38.2 57.4

71 45.3 35.4 53.2



#30

Chloroform

Concen: 52.491 ug/l

RT: 5.093 min Scan# 1167

Delta R.T. 0.000 min

Lab File: VU045776.D

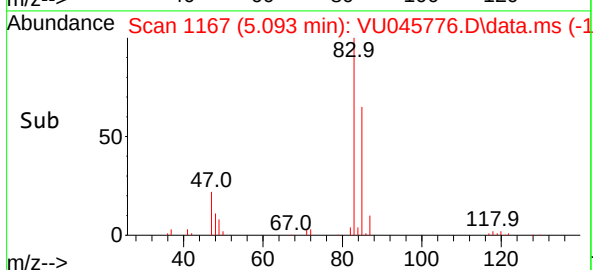
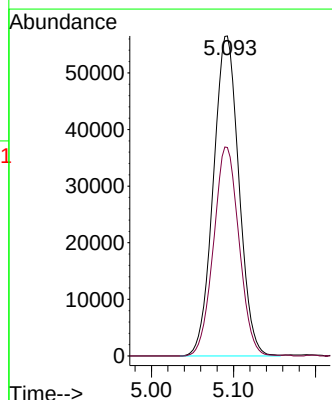
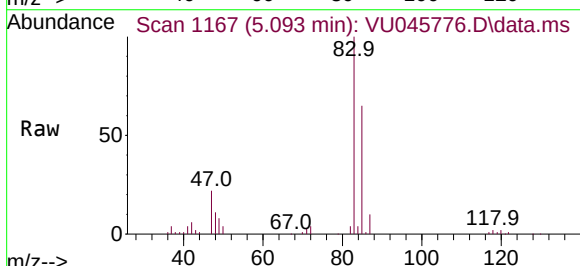
Acq: 12 Nov 2021 17:53

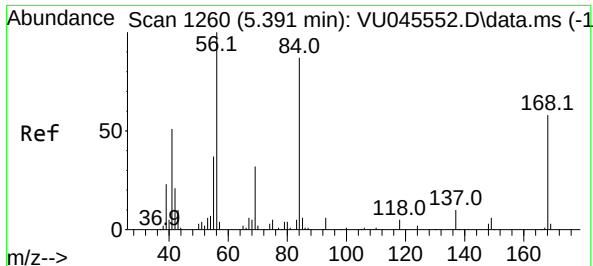
Tgt Ion: 83 Resp: 122529

Ion Ratio Lower Upper

83 100

85 65.2 52.0 78.0





#31

Cyclohexane

Concen: 45.145 ug/l

RT: 5.392 min Scan# 1260

Delta R.T. 0.000 min

Lab File: VU045776.D

Acq: 12 Nov 2021 17:53

Instrument :

MSVOA\_U

ClientSampleId :

MH-117T-20211109MSD

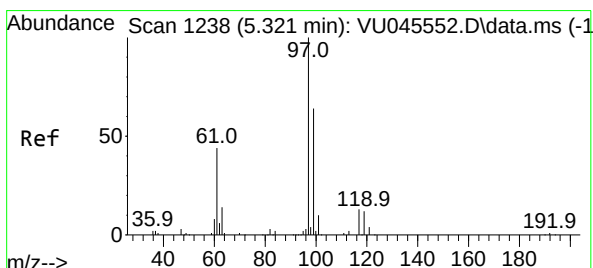
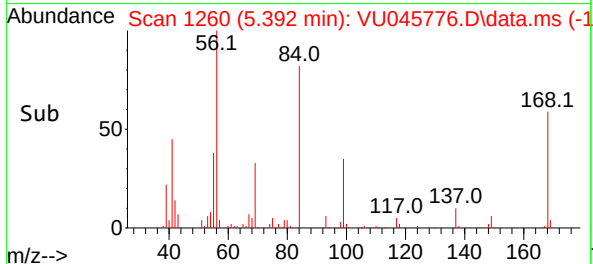
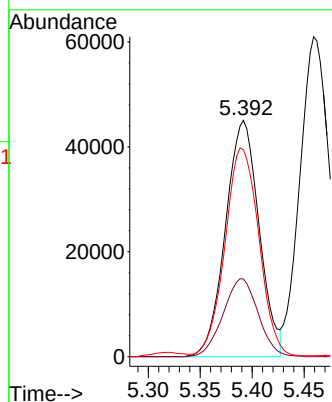
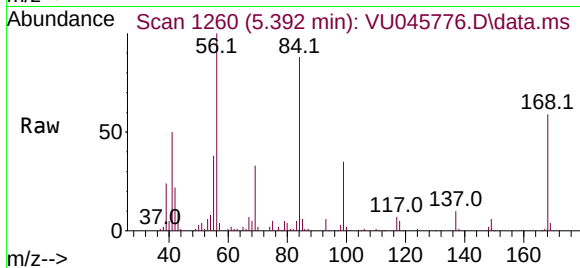
Tgt Ion: 56 Resp: 101298

Ion Ratio Lower Upper

56 100

69 32.9 26.4 39.6

84 86.3 68.4 102.6



#32

1,1,1-Trichloroethane

Concen: 52.738 ug/l

RT: 5.321 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VU045776.D

Acq: 12 Nov 2021 17:53

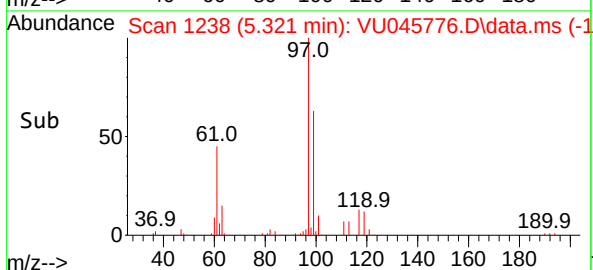
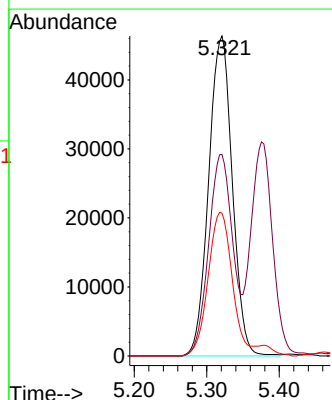
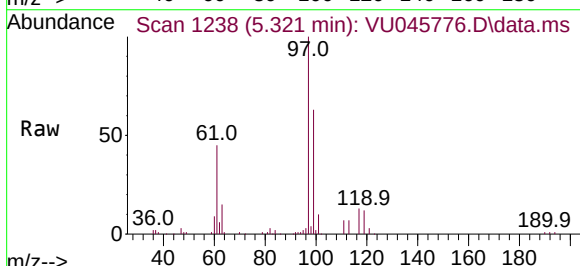
Tgt Ion: 97 Resp: 104981

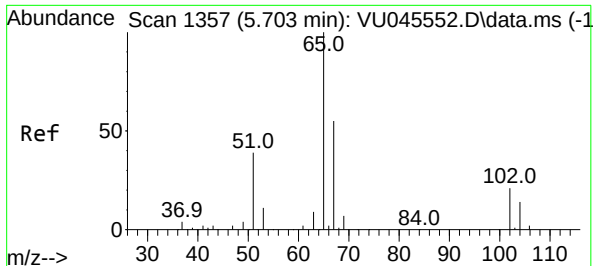
Ion Ratio Lower Upper

97 100

99 65.0 50.8 76.2

61 46.2 38.3 57.5





#33

1,2-Dichloroethane-d4

Concen: 46.601 ug/l

RT: 5.703 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU045776.D

Acq: 12 Nov 2021 17:53

Instrument :

MSVOA\_U

ClientSampleId :

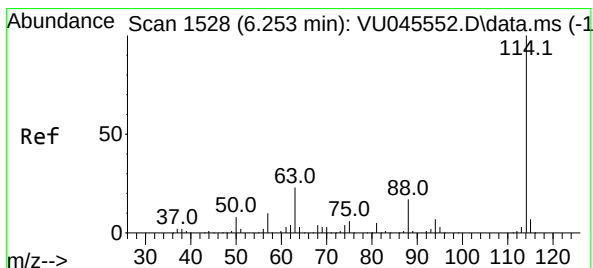
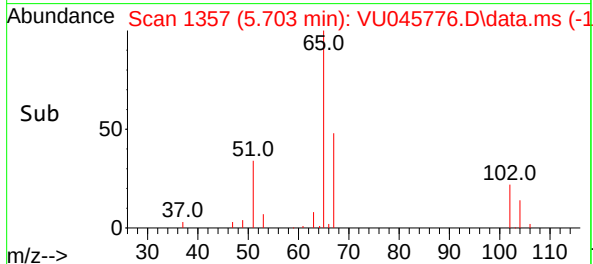
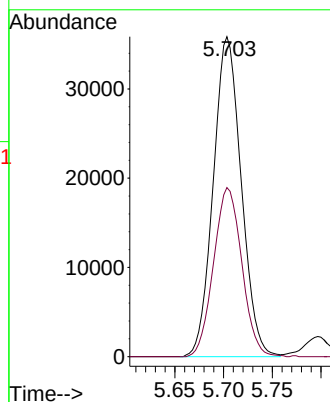
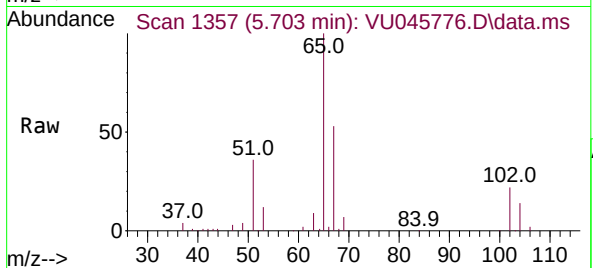
MH-117T-20211109MSD

Tgt Ion: 65 Resp: 71664

Ion Ratio Lower Upper

65 100

67 53.3 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1527

Delta R.T. -0.003 min

Lab File: VU045776.D

Acq: 12 Nov 2021 17:53

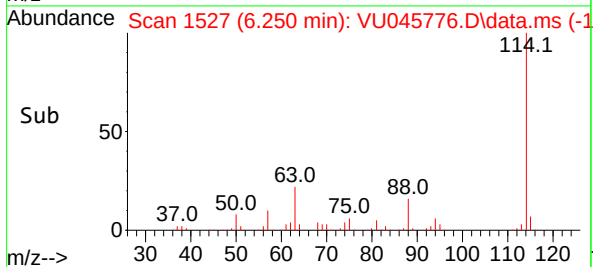
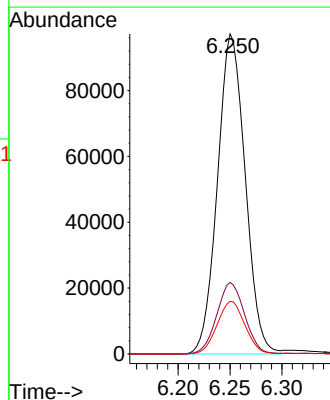
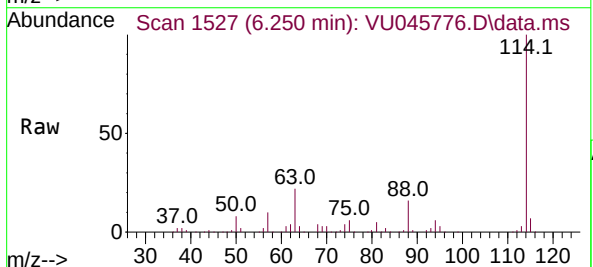
Tgt Ion: 114 Resp: 180336

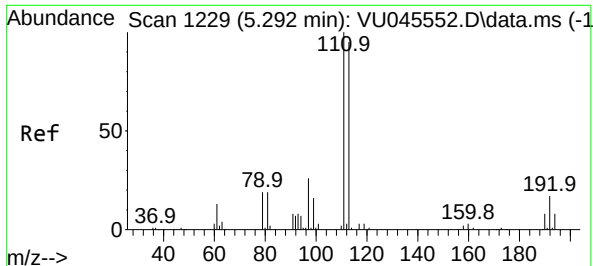
Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.6

88 16.5 0.0 33.8

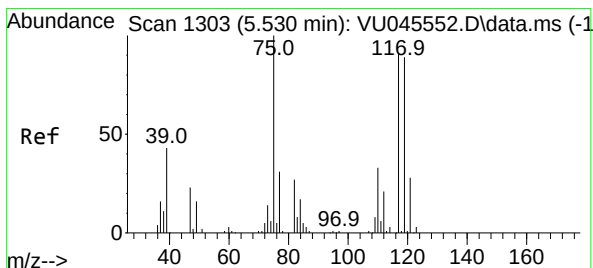
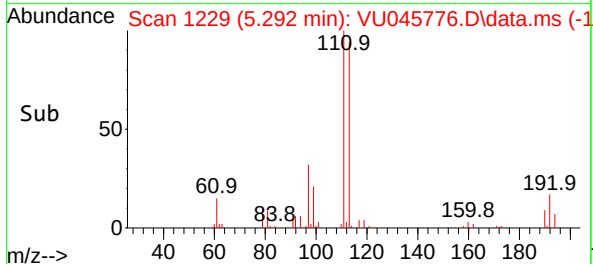
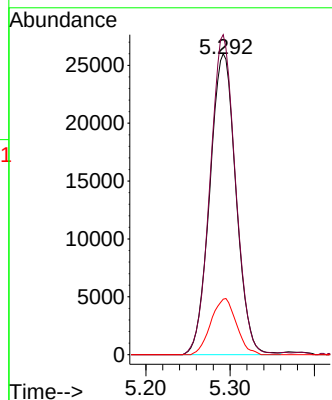
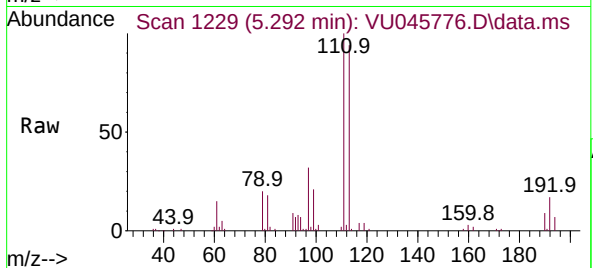




#35  
Dibromofluoromethane  
Concen: 46.490 ug/l  
RT: 5.292 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

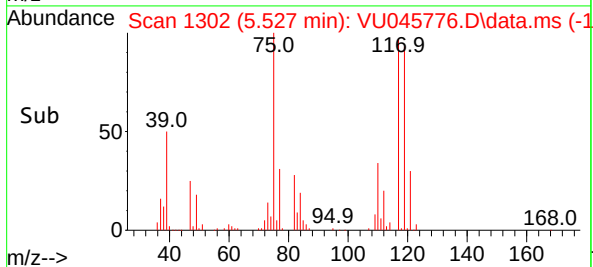
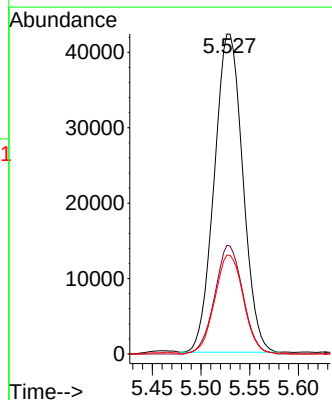
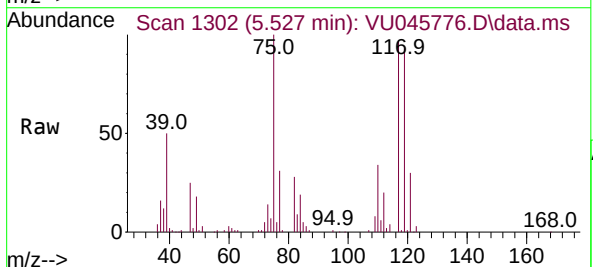
Instrument :  
MSVOA\_U  
ClientSampleId :  
MH-117T-20211109MSD

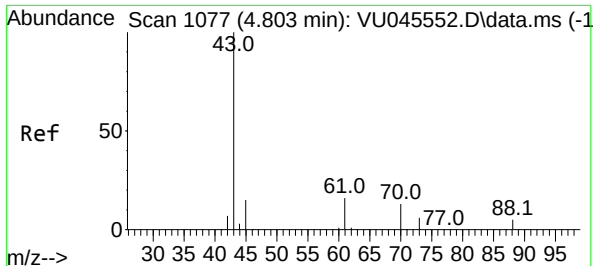
Tgt Ion:113 Resp: 55974  
Ion Ratio Lower Upper  
113 100  
111 103.2 82.8 124.2  
192 18.2 14.8 22.2



#36  
1,1-Dichloropropene  
Concen: 48.873 ug/l  
RT: 5.527 min Scan# 1302  
Delta R.T. -0.003 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

Tgt Ion: 75 Resp: 85938  
Ion Ratio Lower Upper  
75 100  
110 33.6 16.7 50.0  
77 31.4 25.0 37.4





#37

Ethyl Acetate

Concen: 50.496 ug/l

RT: 4.803 min Scan# 1077

Delta R.T. 0.000 min

Lab File: VU045776.D

Acq: 12 Nov 2021 17:53

Instrument :

MSVOA\_U

ClientSampleId :

MH-117T-20211109MSD

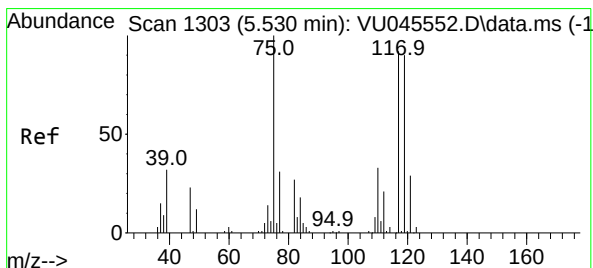
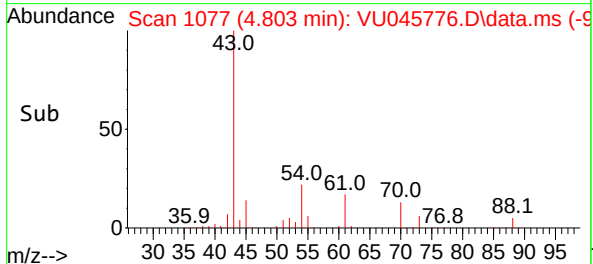
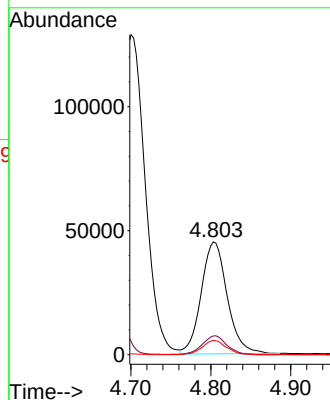
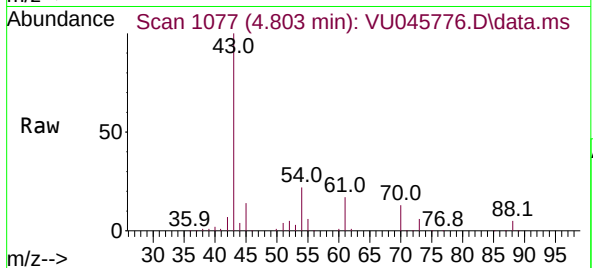
Tgt Ion: 43 Resp: 101998

Ion Ratio Lower Upper

43 100

61 16.2 11.6 17.4

70 11.8 9.1 13.7



#38

Carbon Tetrachloride

Concen: 50.877 ug/l

RT: 5.527 min Scan# 1302

Delta R.T. -0.003 min

Lab File: VU045776.D

Acq: 12 Nov 2021 17:53

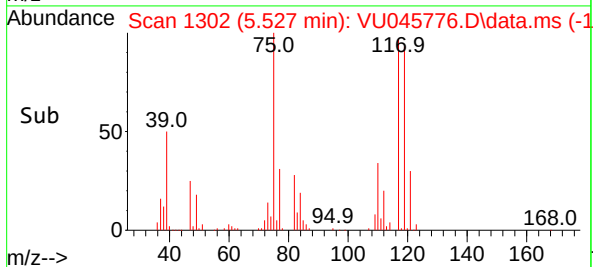
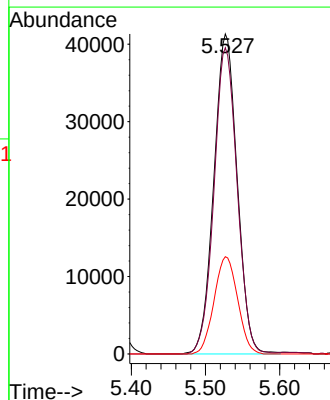
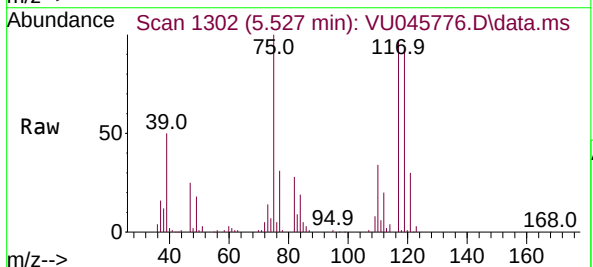
Tgt Ion: 117 Resp: 90194

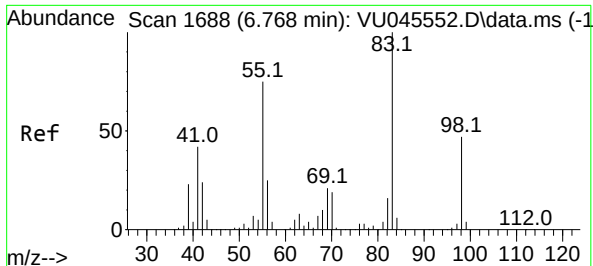
Ion Ratio Lower Upper

117 100

119 95.7 77.4 116.0

121 30.4 24.8 37.2





#39

Methylcyclohexane

Concen: 47.069 ug/l

RT: 6.764 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU045776.D

Acq: 12 Nov 2021 17:53

Instrument :

MSVOA\_U

ClientSampleId :

MH-117T-20211109MSD

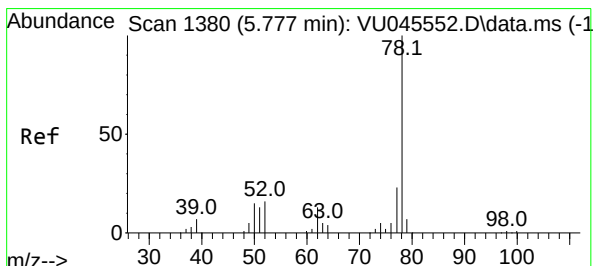
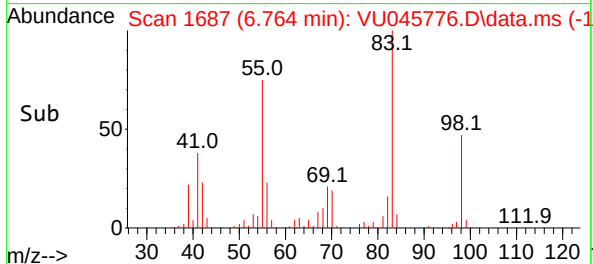
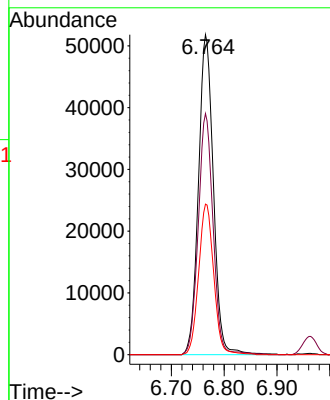
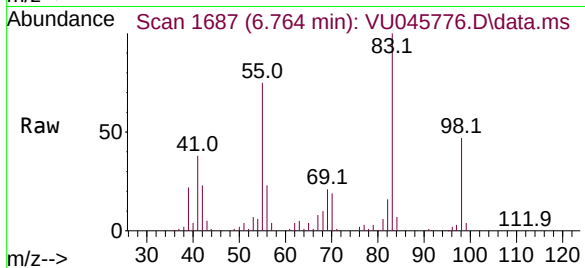
Tgt Ion: 83 Resp: 101539

Ion Ratio Lower Upper

83 100

55 75.4 63.6 95.4

98 47.1 37.1 55.7



#40

Benzene

Concen: 50.154 ug/l

RT: 5.777 min Scan# 1380

Delta R.T. 0.000 min

Lab File: VU045776.D

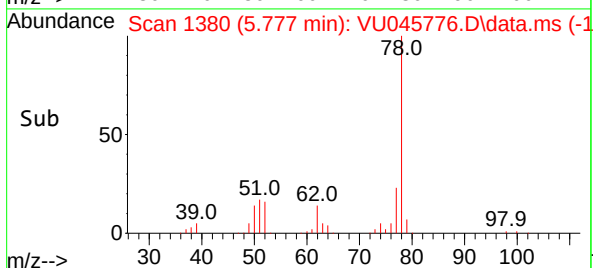
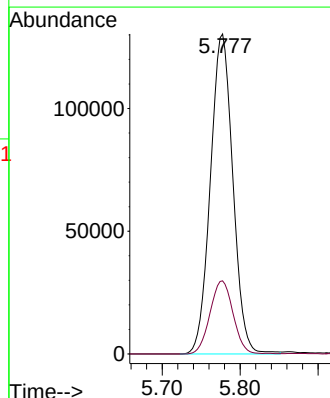
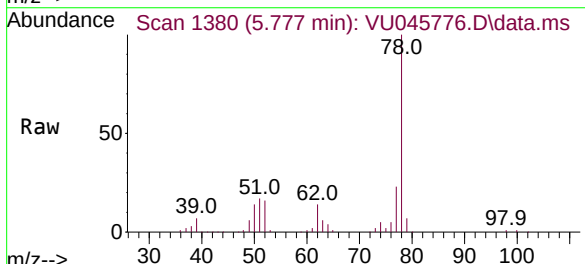
Acq: 12 Nov 2021 17:53

Tgt Ion: 78 Resp: 261105

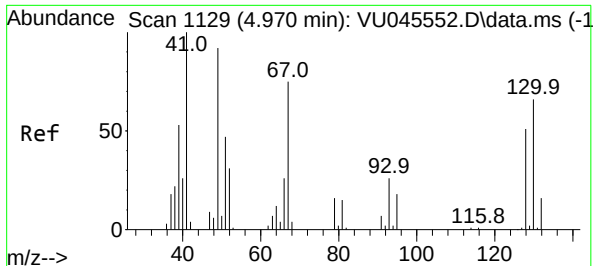
Ion Ratio Lower Upper

78 100

77 22.9 19.0 28.4



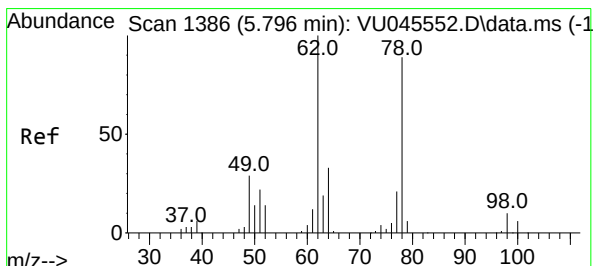
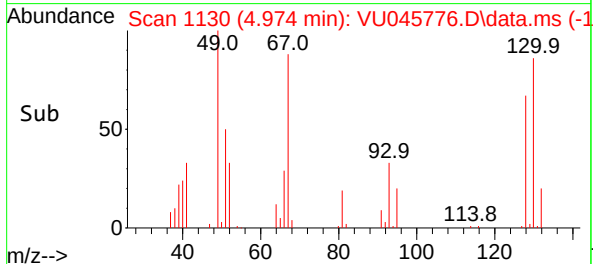
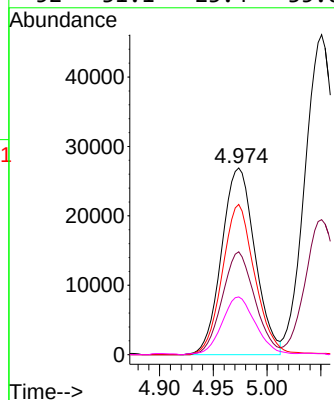
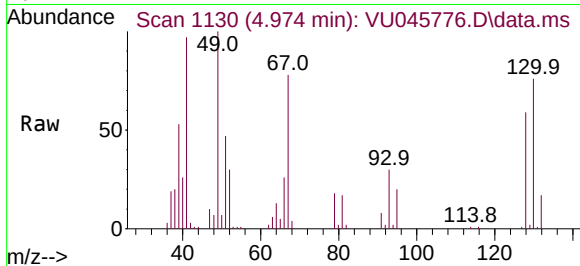




#41  
Methacrylonitrile  
Concen: 54.476 ug/l  
RT: 4.974 min Scan# 1129  
Delta R.T. 0.003 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

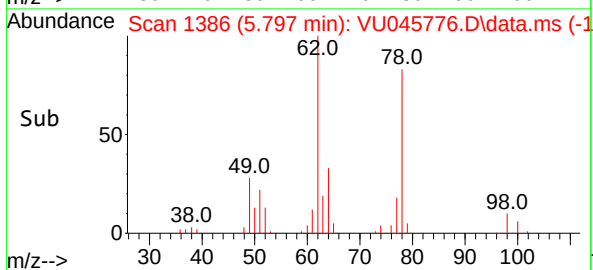
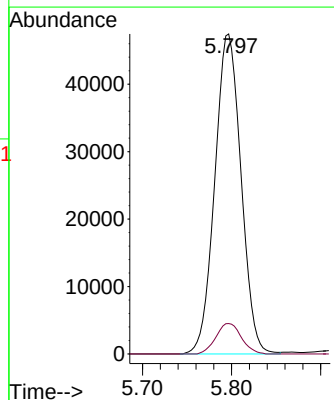
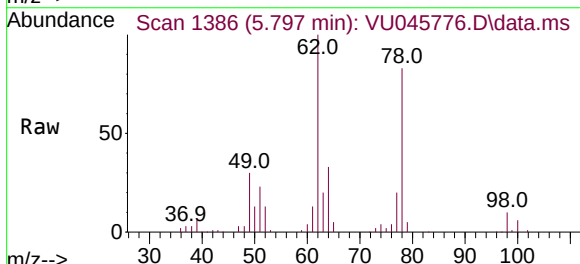
Instrument :  
MSVOA\_U  
ClientSampleId :  
MH-117T-20211109MSD

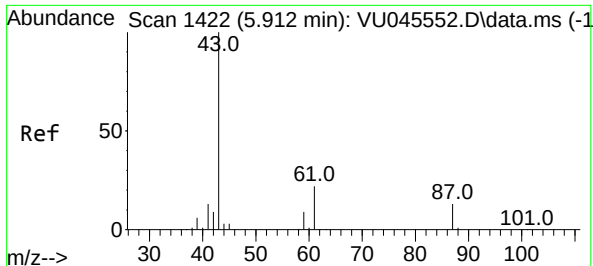
|             |             |
|-------------|-------------|
| Tgt Ion: 41 | Resp: 58150 |
| Ion Ratio   | Lower Upper |
| 41 100      |             |
| 39 53.8     | 43.4 65.0   |
| 67 78.8     | 61.0 91.4   |
| 52 31.1     | 23.4 35.0   |



#42  
1,2-Dichloroethane  
Concen: 51.640 ug/l  
RT: 5.797 min Scan# 1386  
Delta R.T. 0.000 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

|             |             |
|-------------|-------------|
| Tgt Ion: 62 | Resp: 97107 |
| Ion Ratio   | Lower Upper |
| 62 100      |             |
| 98 9.3      | 0.0 18.4    |





#43

Isopropyl Acetate

Concen: 50.789 ug/l

RT: 5.912 min Scan# 1422

Delta R.T. 0.000 min

Lab File: VU045776.D

Acq: 12 Nov 2021 17:53

Instrument :

MSVOA\_U

ClientSampleId :

MH-117T-20211109MSD

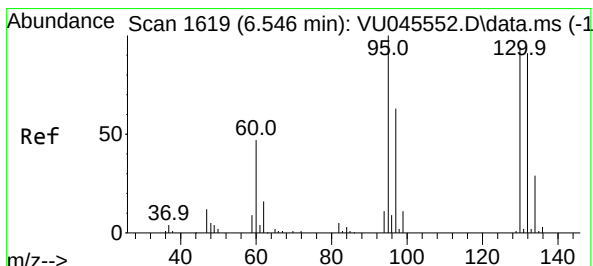
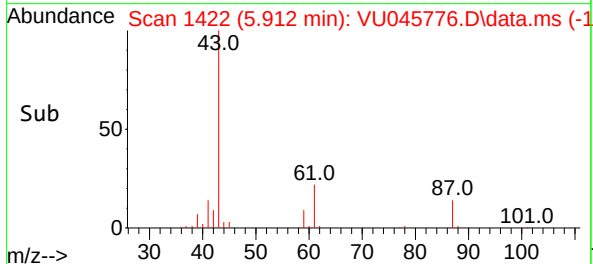
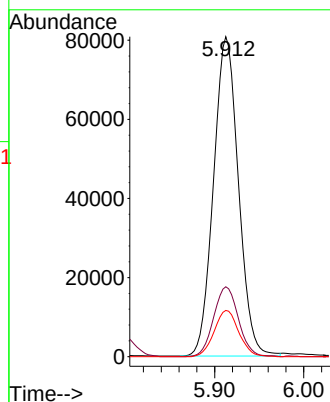
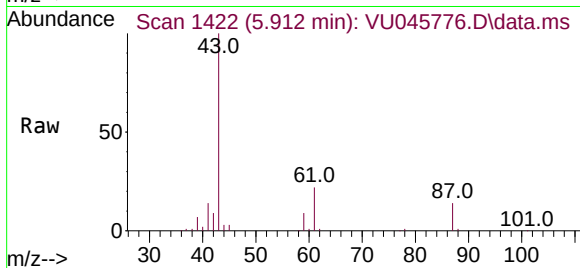
Tgt Ion: 43 Resp: 156913

Ion Ratio Lower Upper

43 100

61 21.9 16.9 25.3

87 14.3 11.0 16.4



#44

Trichloroethene

Concen: 61.365 ug/l

RT: 6.543 min Scan# 1618

Delta R.T. -0.003 min

Lab File: VU045776.D

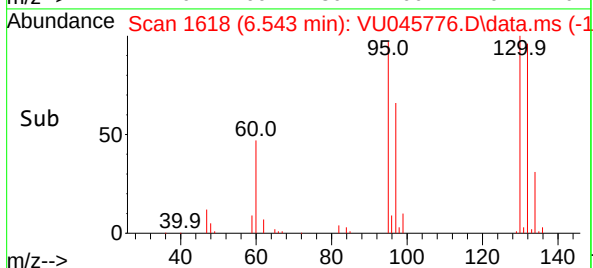
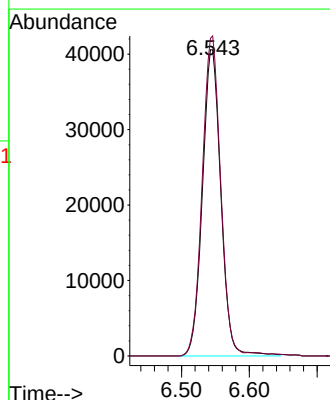
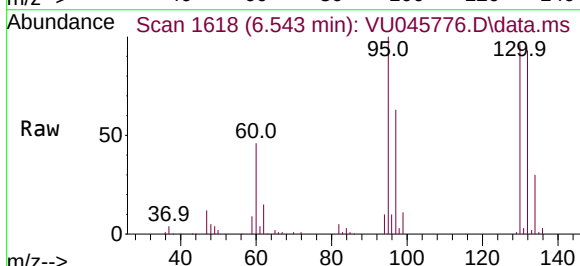
Acq: 12 Nov 2021 17:53

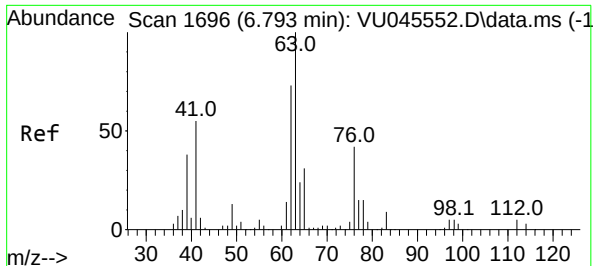
Tgt Ion:130 Resp: 76470

Ion Ratio Lower Upper

130 100

95 103.7 0.0 211.4





#45

1,2-Dichloropropane

Concen: 53.375 ug/l

RT: 6.793 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU045776.D

Acq: 12 Nov 2021 17:53

Instrument :

MSVOA\_U

ClientSampleId :

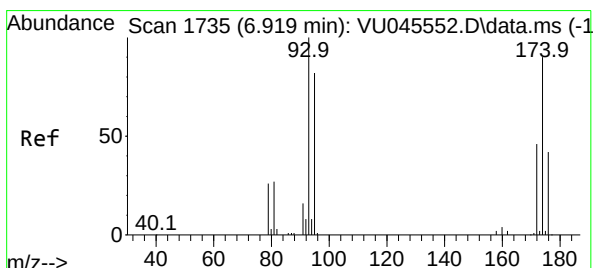
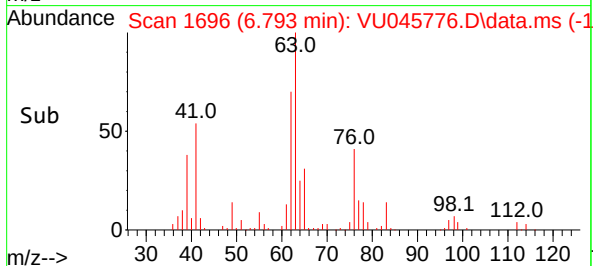
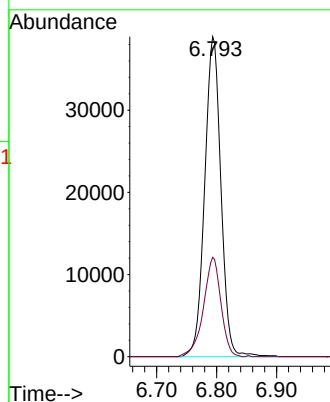
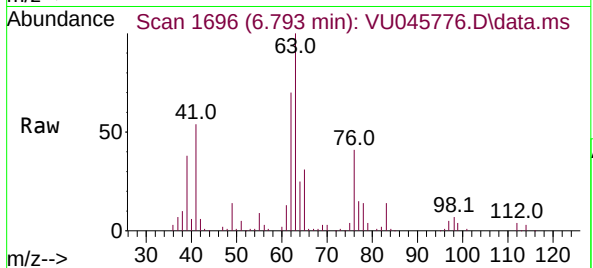
MH-117T-20211109MSD

Tgt Ion: 63 Resp: 73525

Ion Ratio Lower Upper

63 100

65 31.1 25.7 38.5



#46

Dibromomethane

Concen: 52.079 ug/l

RT: 6.919 min Scan# 1735

Delta R.T. 0.000 min

Lab File: VU045776.D

Acq: 12 Nov 2021 17:53

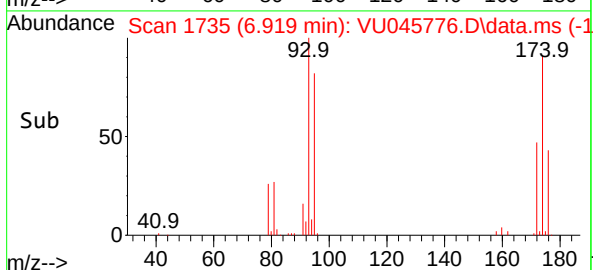
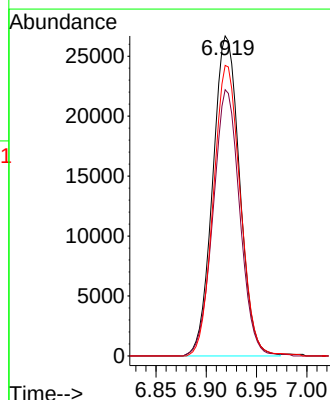
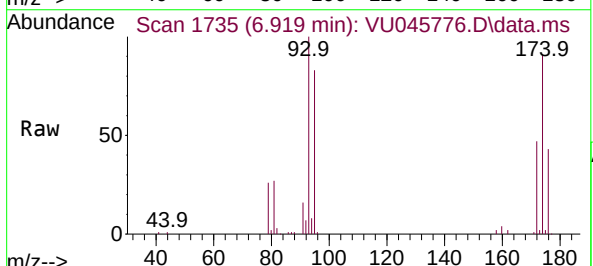
Tgt Ion: 93 Resp: 49707

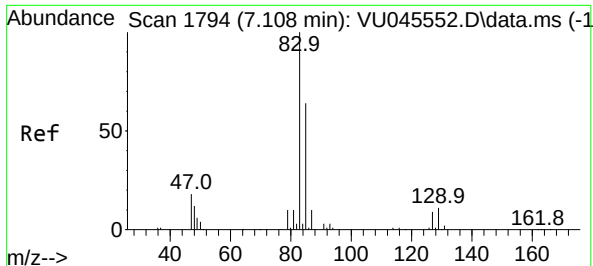
Ion Ratio Lower Upper

93 100

95 82.4 66.2 99.2

174 90.7 71.0 106.6

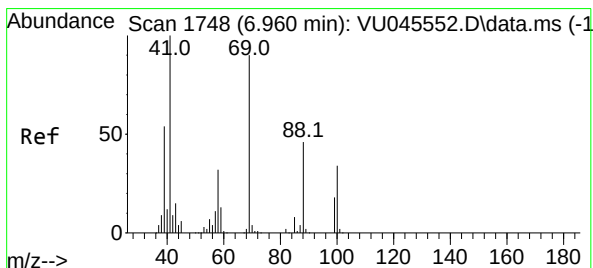
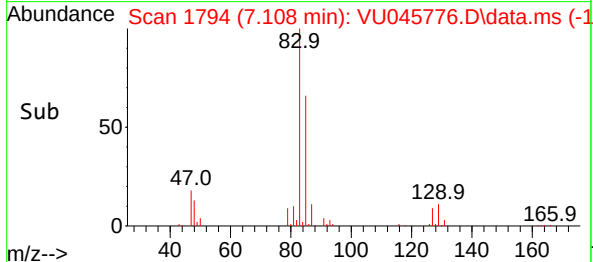
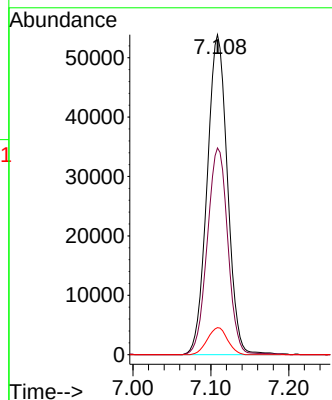
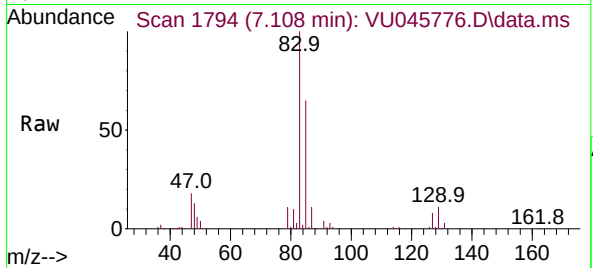




#47  
Bromodichloromethane  
Concen: 53.957 ug/l  
RT: 7.108 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

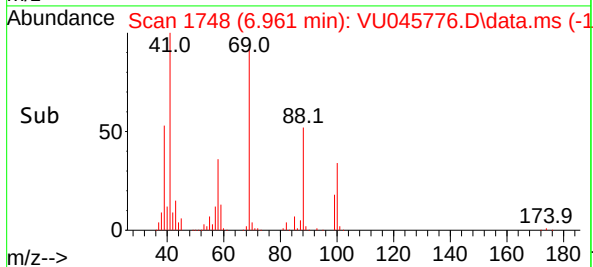
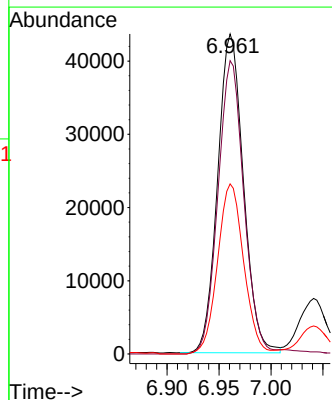
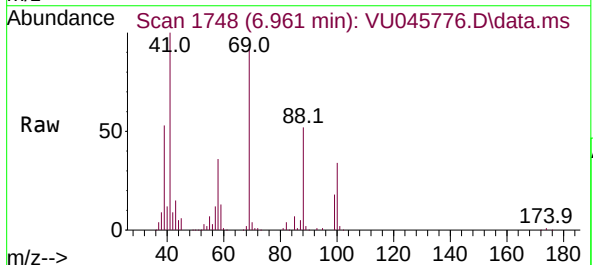
Instrument :  
MSVOA\_U  
ClientSampleId :  
MH-117T-20211109MSD

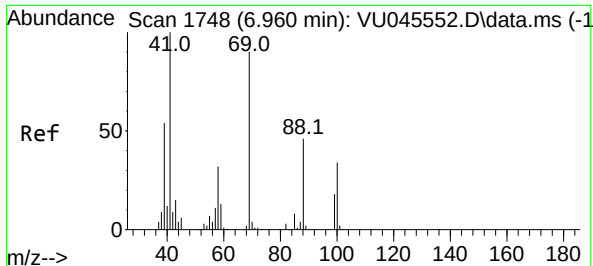
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 97718 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 64.6  | 49.8  | 74.6  |
| 127      | 8.4   | 6.2   | 9.2   |



#48  
Methyl methacrylate  
Concen: 52.949 ug/l  
RT: 6.961 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 75294 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 92.2  | 70.2  | 105.2 |
| 39       | 54.1  | 43.9  | 65.9  |





#49

1,4-Dioxane

Concen: 1187.383 ug/l

RT: 6.961 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU045776.D

Acq: 12 Nov 2021 17:53

Instrument :

MSVOA\_U

ClientSampleId :

MH-117T-20211109MSD

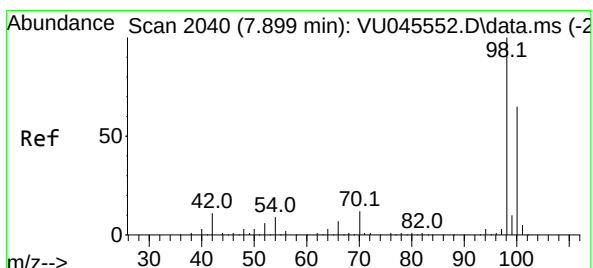
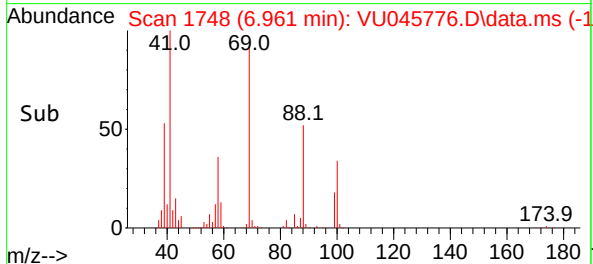
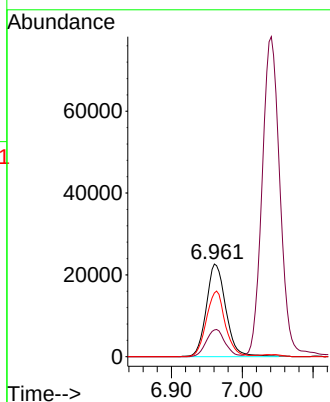
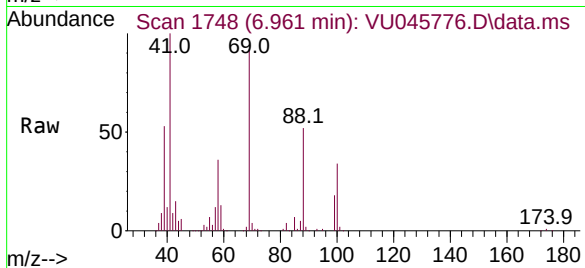
Tgt Ion: 88 Resp: 43422

Ion Ratio Lower Upper

88 100

43 28.3 0.0 0.0#

58 68.4 58.7 88.1



#50

Toluene-d8

Concen: 46.629 ug/l

RT: 7.899 min Scan# 2040

Delta R.T. 0.000 min

Lab File: VU045776.D

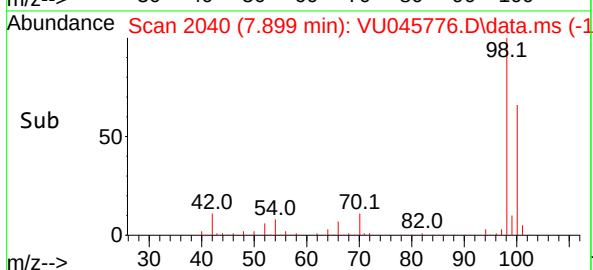
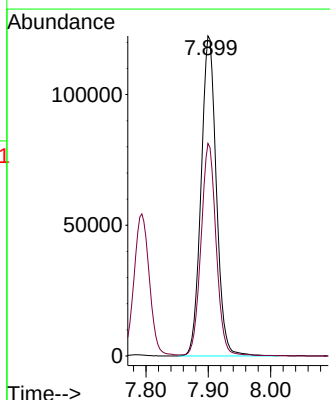
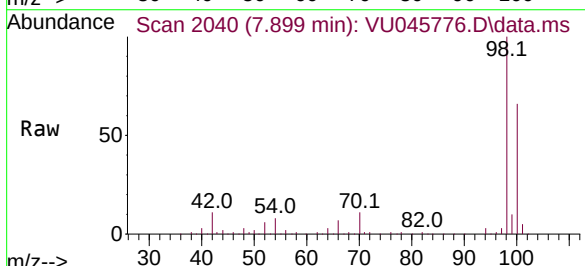
Acq: 12 Nov 2021 17:53

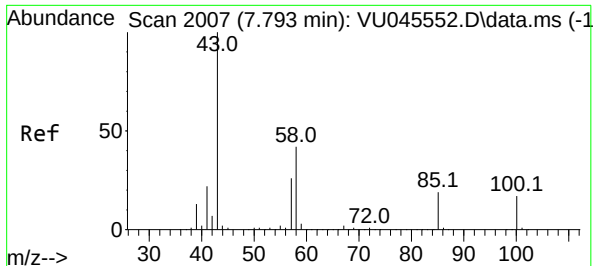
Tgt Ion: 98 Resp: 208762

Ion Ratio Lower Upper

98 100

100 65.5 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 272.298 ug/l

RT: 7.793 min Scan# 2007

Delta R.T. 0.000 min

Lab File: VU045776.D

Acq: 12 Nov 2021 17:53

Instrument :

MSVOA\_U

ClientSampleId :

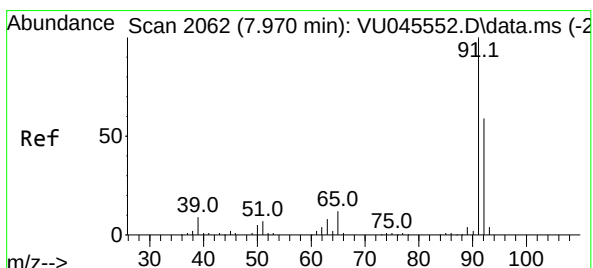
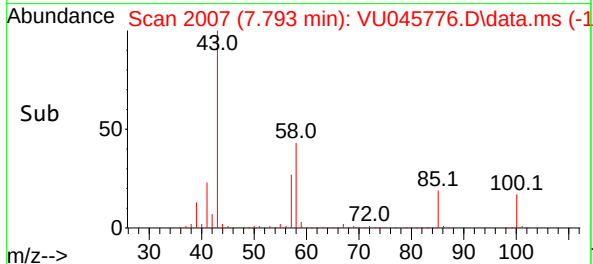
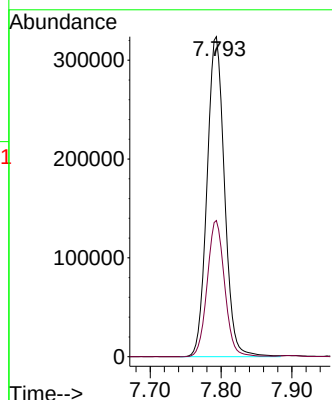
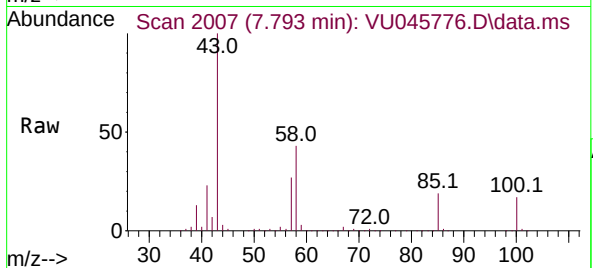
MH-117T-20211109MSD

Tgt Ion: 43 Resp: 554953

Ion Ratio Lower Upper

43 100

58 42.4 33.8 50.8



#52

Toluene

Concen: 51.888 ug/l

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU045776.D

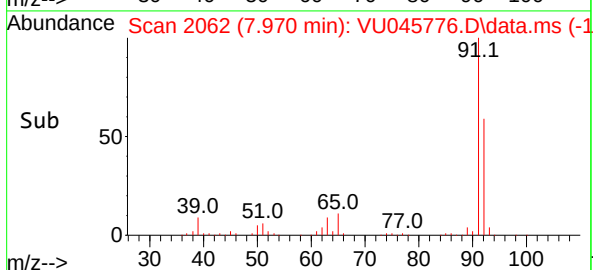
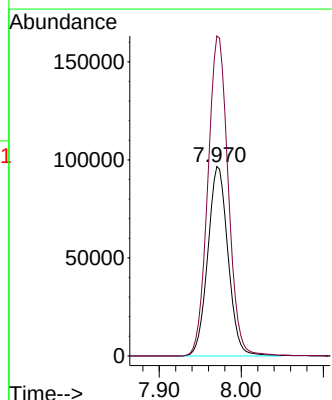
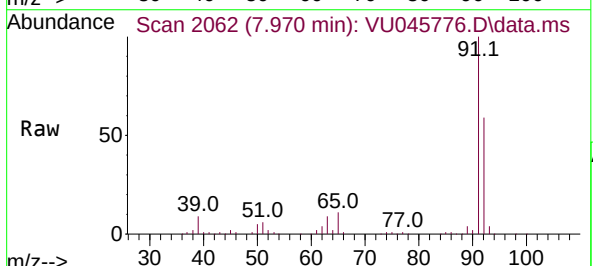
Acq: 12 Nov 2021 17:53

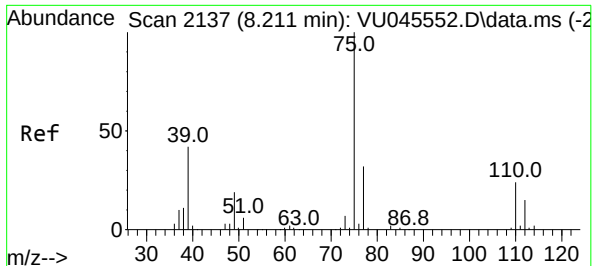
Tgt Ion: 92 Resp: 165381

Ion Ratio Lower Upper

92 100

91 170.6 135.6 203.4

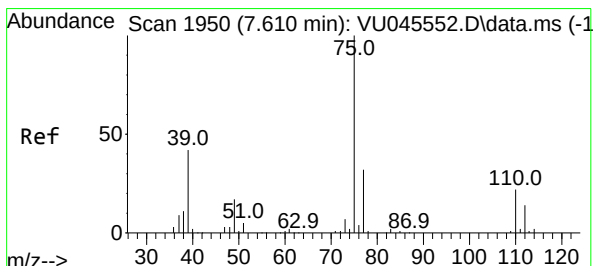
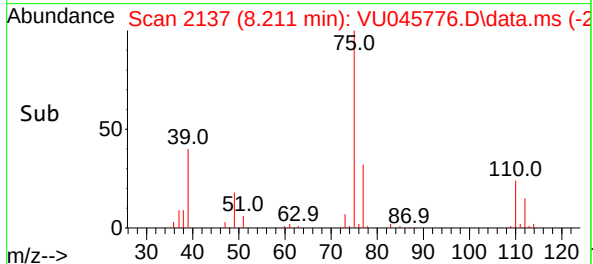
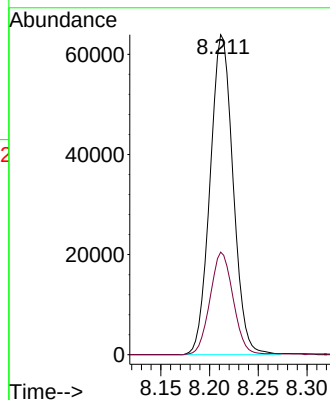
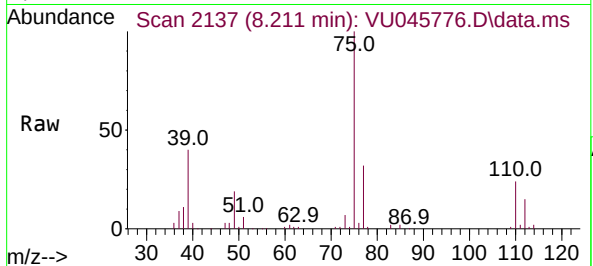




#53  
 t-1,3-Dichloropropene  
 Concen: 50.532 ug/l  
 RT: 8.211 min Scan# 2137  
 Delta R.T. 0.000 min  
 Lab File: VU045776.D  
 Acq: 12 Nov 2021 17:53

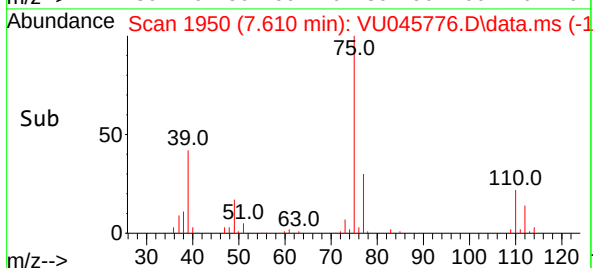
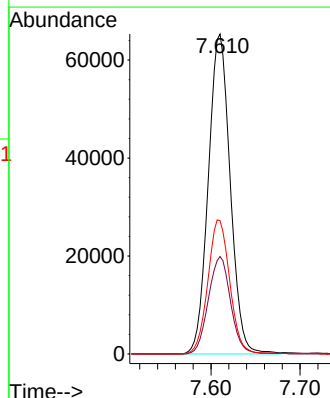
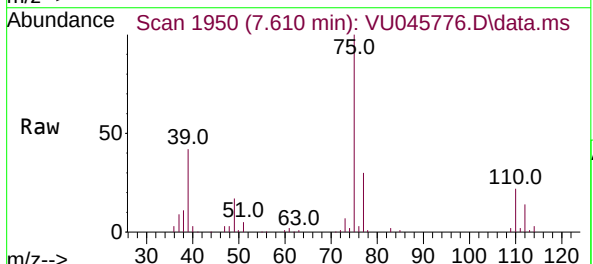
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MH-117T-20211109MSD

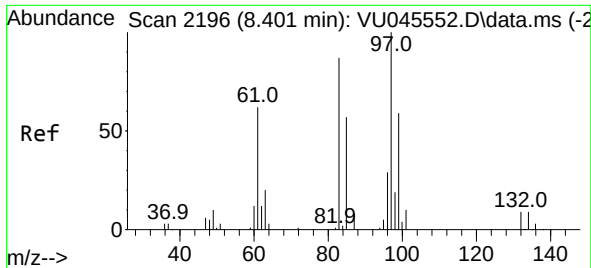
Tgt Ion: 75 Resp: 105176  
 Ion Ratio Lower Upper  
 75 100  
 77 32.0 25.8 38.8



#54  
 cis-1,3-Dichloropropene  
 Concen: 50.420 ug/l  
 RT: 7.610 min Scan# 1950  
 Delta R.T. 0.000 min  
 Lab File: VU045776.D  
 Acq: 12 Nov 2021 17:53

Tgt Ion: 75 Resp: 111465  
 Ion Ratio Lower Upper  
 75 100  
 77 30.4 24.6 37.0  
 39 41.7 37.1 55.7

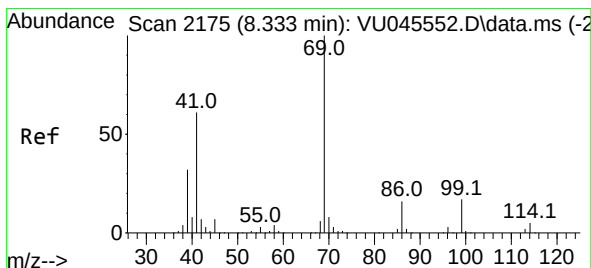
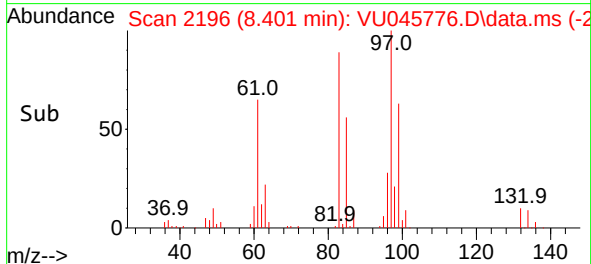
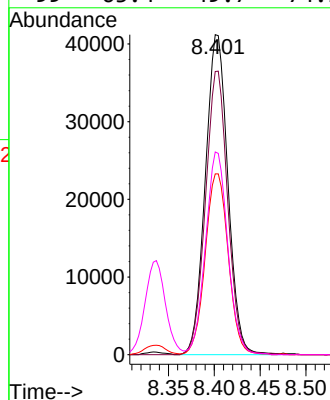
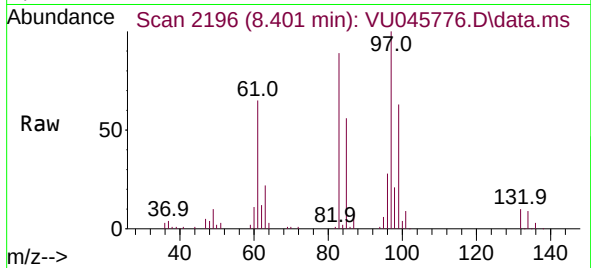




#55  
1,1,2-Trichloroethane  
Concen: 53.535 ug/l  
RT: 8.401 min Scan# 2196  
Delta R.T. 0.000 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

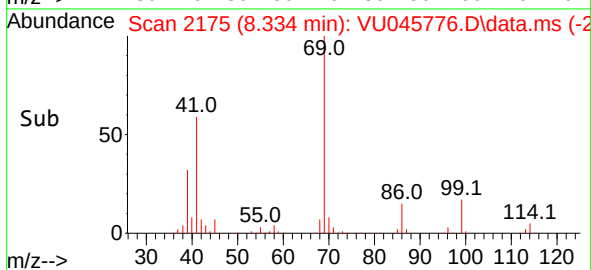
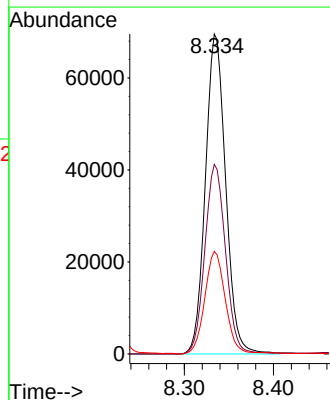
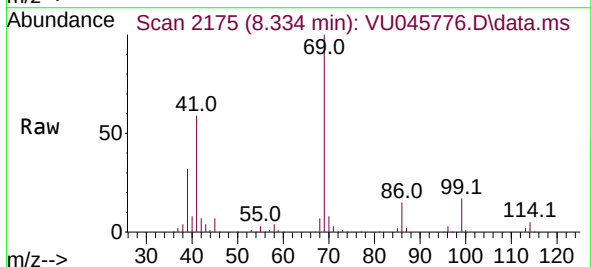
Instrument :  
MSVOA\_U  
ClientSampleId :  
MH-117T-20211109MSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 70717 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 88.5  | 70.3  | 105.5 |
| 85       | 56.2  | 45.5  | 68.3  |
| 99       | 63.4  | 49.7  | 74.5  |

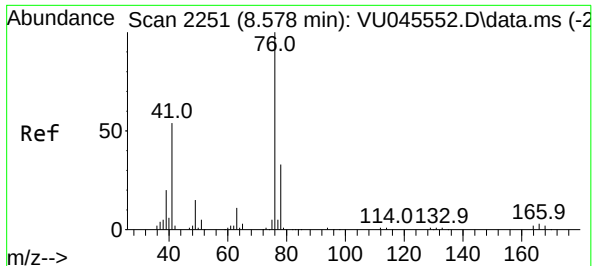


#56  
Ethyl methacrylate  
Concen: 46.541 ug/l  
RT: 8.334 min Scan# 2175  
Delta R.T. 0.001 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 109854 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 60.7  | 51.0  | 76.4   |
| 39       | 32.9  | 26.6  | 39.8   |







#57

1,3-Dichloropropane

Concen: 52.378 ug/l

RT: 8.578 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU045776.D

Acq: 12 Nov 2021 17:53

Instrument :

MSVOA\_U

ClientSampleId :

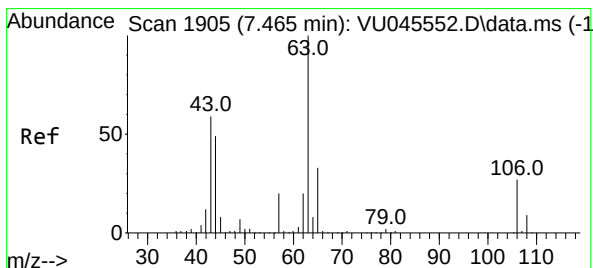
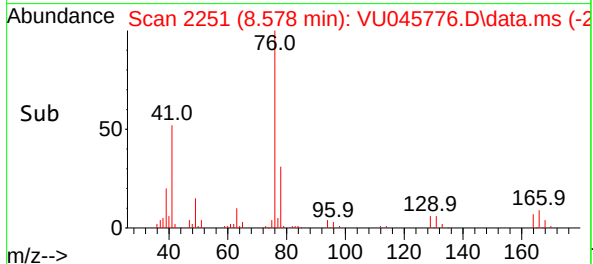
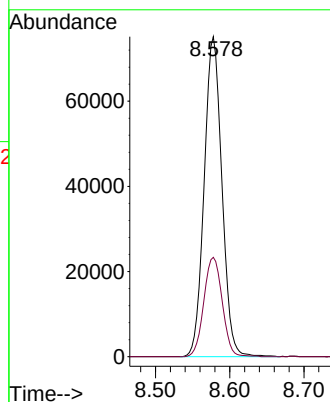
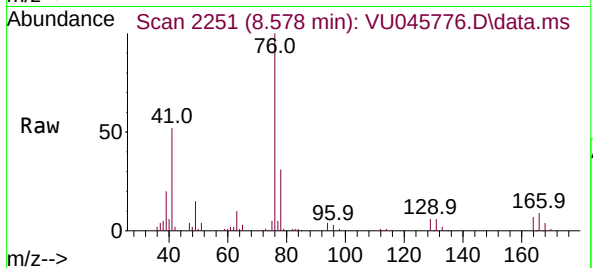
MH-117T-20211109MSD

Tgt Ion: 76 Resp: 124616

Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 0.352 ug/l

RT: 7.446 min Scan# 1899

Delta R.T. -0.019 min

Lab File: VU045776.D

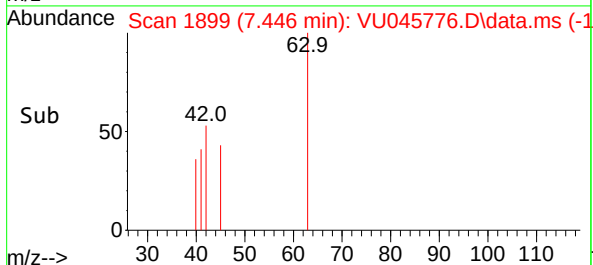
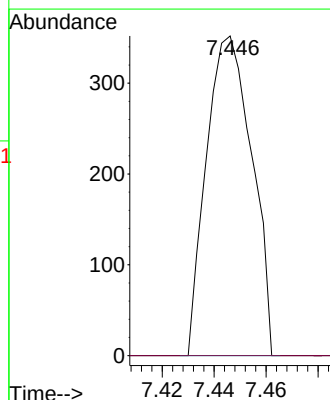
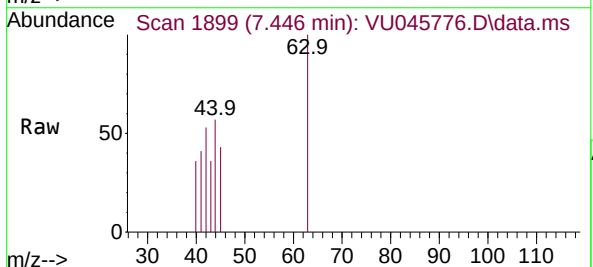
Acq: 12 Nov 2021 17:53

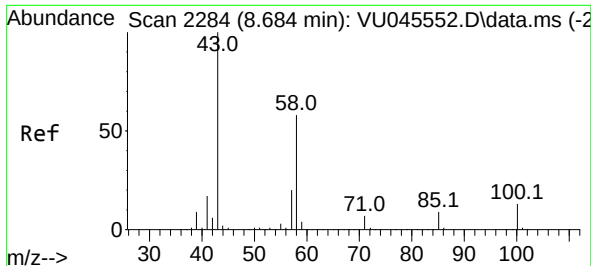
Tgt Ion: 63 Resp: 428

Ion Ratio Lower Upper

63 100

106 0.0 21.0 31.4#

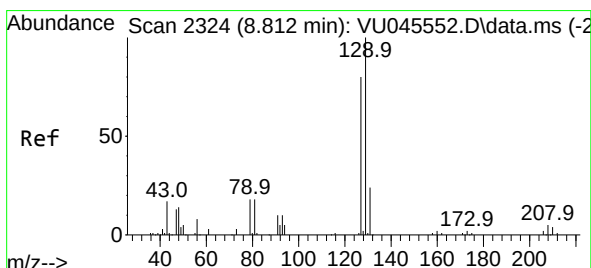
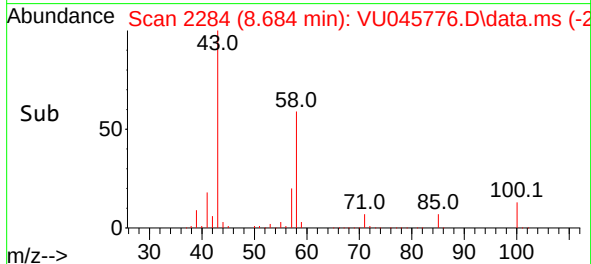
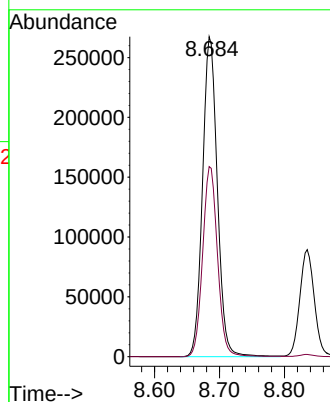
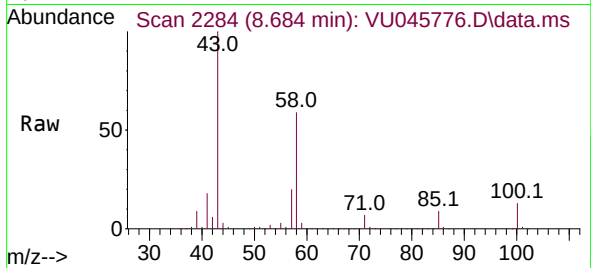




#59  
2-Hexanone  
Concen: 239.850 ug/l  
RT: 8.684 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

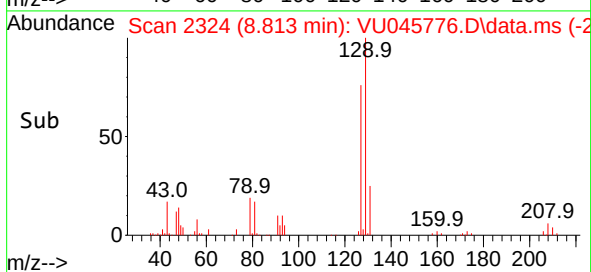
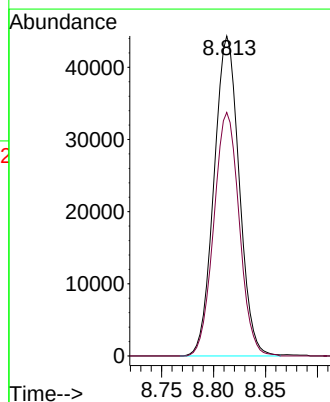
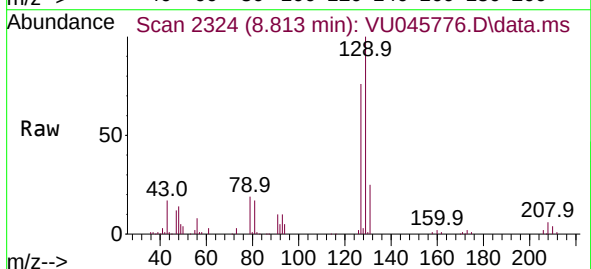
Instrument :  
MSVOA\_U  
ClientSampleId :  
MH-117T-20211109MSD

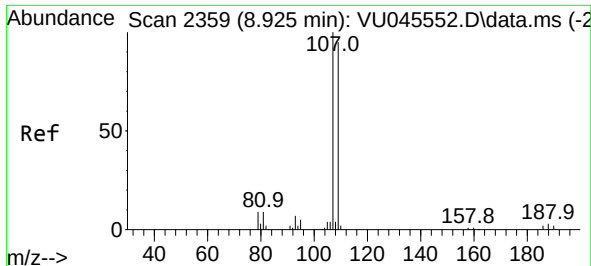
Tgt Ion: 43 Resp: 424781  
Ion Ratio Lower Upper  
43 100  
58 59.5 29.5 88.6



#60  
Dibromochloromethane  
Concen: 54.380 ug/l  
RT: 8.813 min Scan# 2324  
Delta R.T. 0.000 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

Tgt Ion: 129 Resp: 74800  
Ion Ratio Lower Upper  
129 100  
127 76.8 38.5 115.3

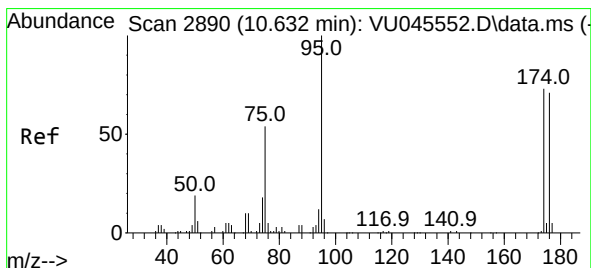
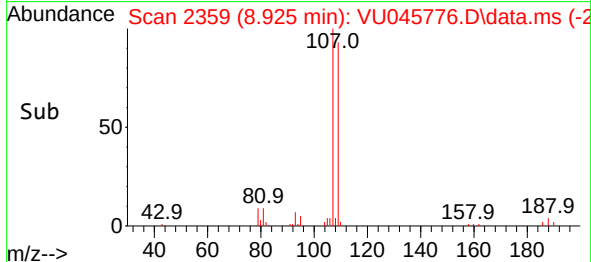
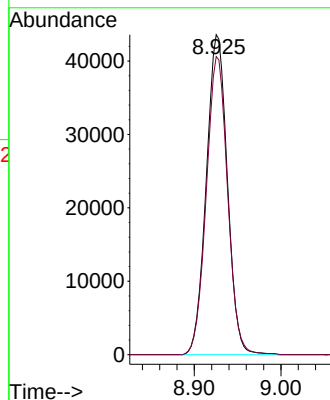
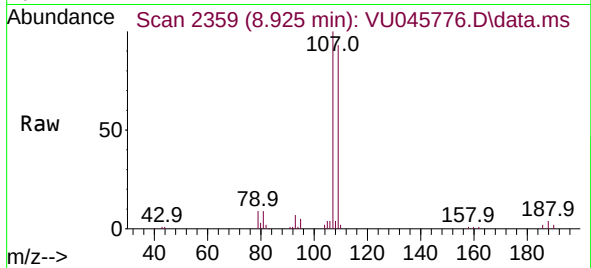




#61  
1,2-Dibromoethane  
Concen: 51.990 ug/l  
RT: 8.925 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

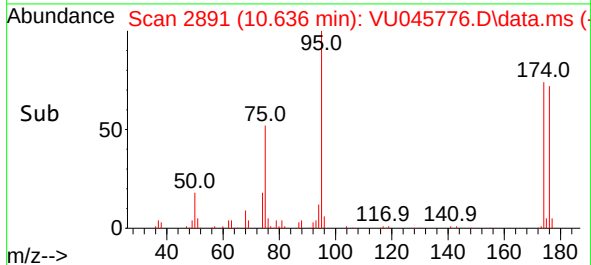
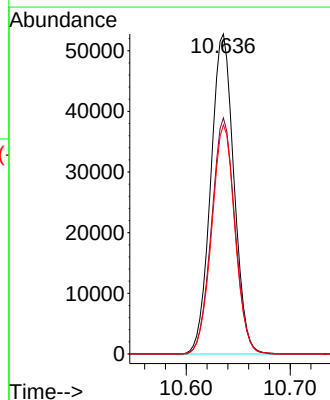
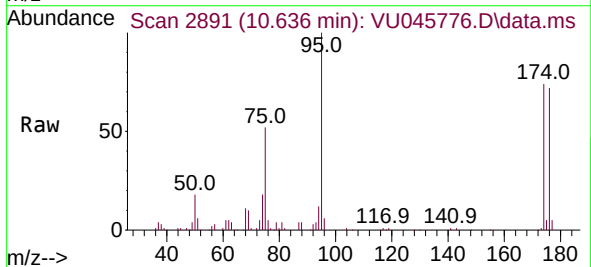
Instrument :  
MSVOA\_U  
ClientSampleId :  
MH-117T-20211109MSD

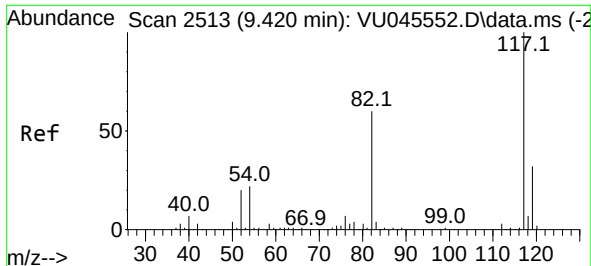
Tgt Ion:107 Resp: 73657  
Ion Ratio Lower Upper  
107 100  
109 94.2 75.8 113.8



#62  
4-Bromofluorobenzene  
Concen: 45.519 ug/l  
RT: 10.636 min Scan# 2891  
Delta R.T. 0.003 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

Tgt Ion: 95 Resp: 81720  
Ion Ratio Lower Upper  
95 100  
174 74.4 0.0 141.8  
176 71.9 0.0 138.2

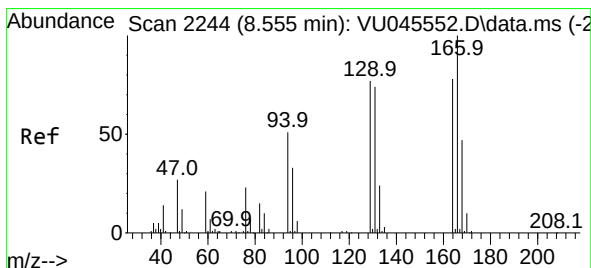
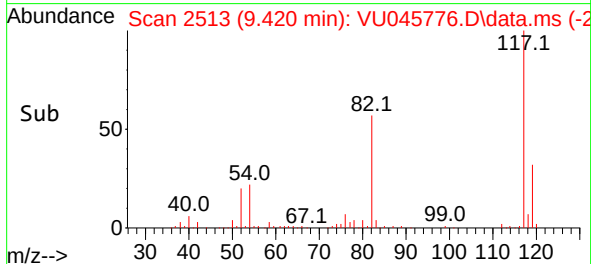
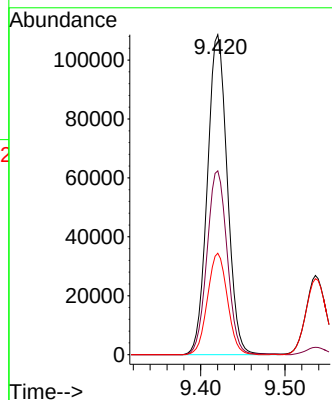
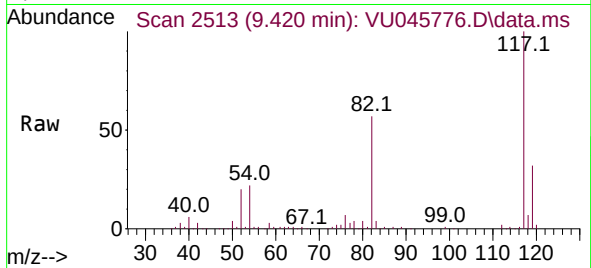




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.420 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

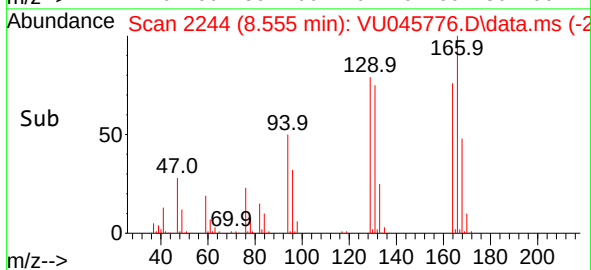
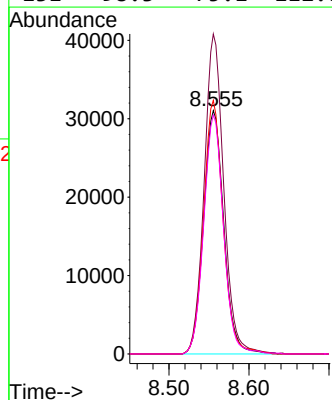
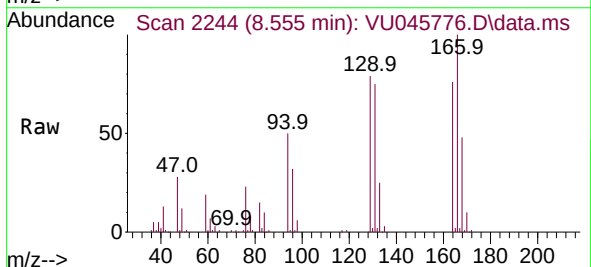
Instrument :  
MSVOA\_U  
ClientSampleId :  
MH-117T-20211109MSD

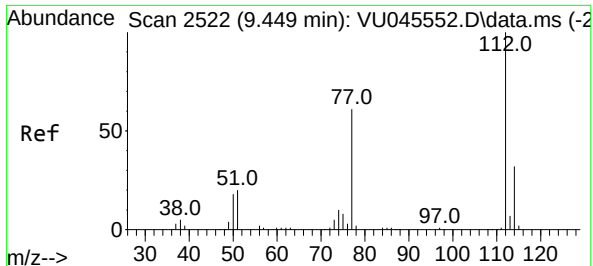
Tgt Ion:117 Resp: 178596  
Ion Ratio Lower Upper  
117 100  
82 57.5 47.8 71.8  
119 31.7 25.8 38.8



#64  
Tetrachloroethene  
Concen: 53.371 ug/l  
RT: 8.555 min Scan# 2244  
Delta R.T. 0.000 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

Tgt Ion:164 Resp: 54709  
Ion Ratio Lower Upper  
164 100  
166 131.5 102.2 153.4  
129 104.2 78.2 117.4  
131 98.3 75.1 112.7

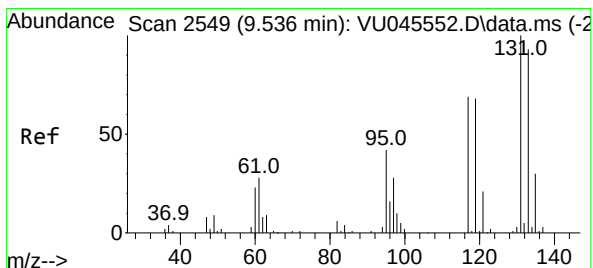
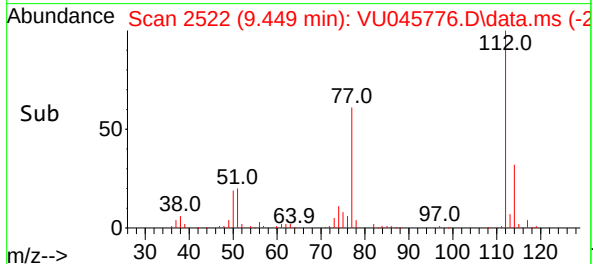
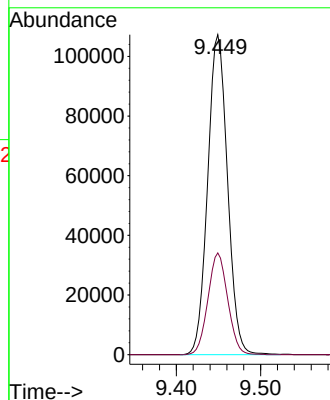
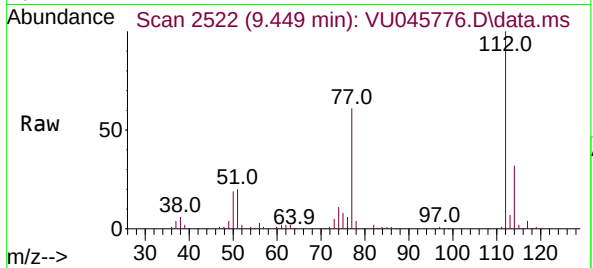




#65  
Chlorobenzene  
Concen: 50.031 ug/l  
RT: 9.449 min Scan# 2522  
Delta R.T. 0.000 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

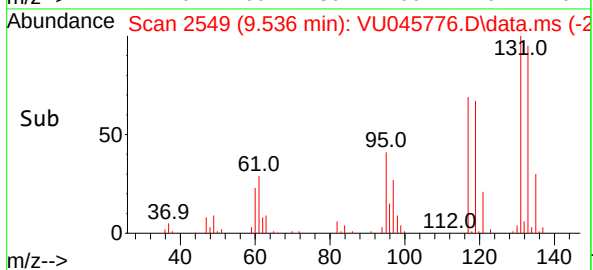
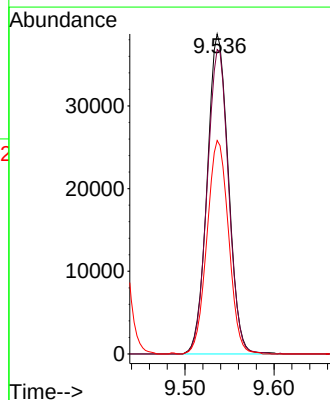
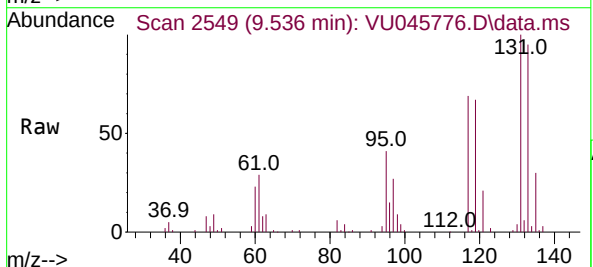
Instrument :  
MSVOA\_U  
ClientSampleId :  
MH-117T-20211109MSD

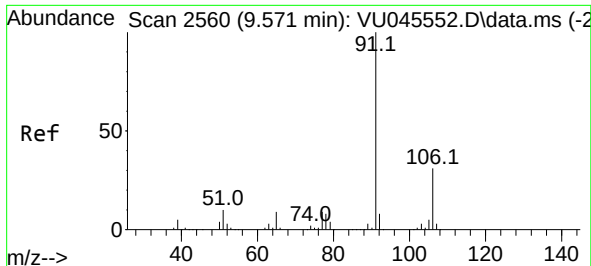
Tgt Ion:112 Resp: 175514  
Ion Ratio Lower Upper  
112 100  
114 31.8 25.7 38.5



#66  
1,1,1,2-Tetrachloroethane  
Concen: 51.271 ug/l  
RT: 9.536 min Scan# 2549  
Delta R.T. 0.000 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

Tgt Ion:131 Resp: 64148  
Ion Ratio Lower Upper  
131 100  
133 96.1 47.9 143.6  
119 67.7 34.5 103.6





#67

Ethyl Benzene

Concen: 50.541 ug/l

RT: 9.571 min Scan# 2560

Delta R.T. 0.000 min

Lab File: VU045776.D

Acq: 12 Nov 2021 17:53

Instrument :

MSVOA\_U

ClientSampleId :

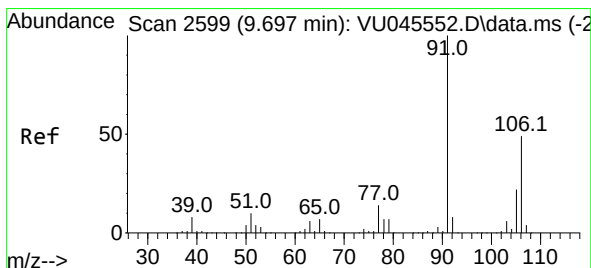
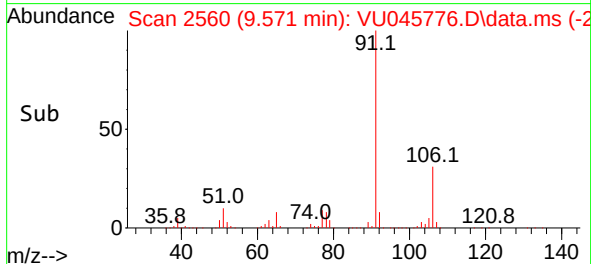
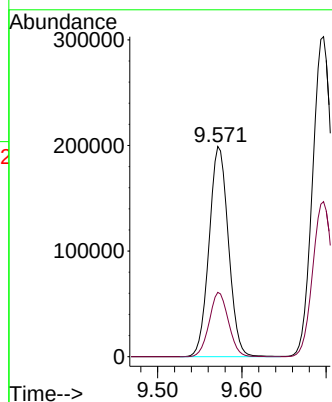
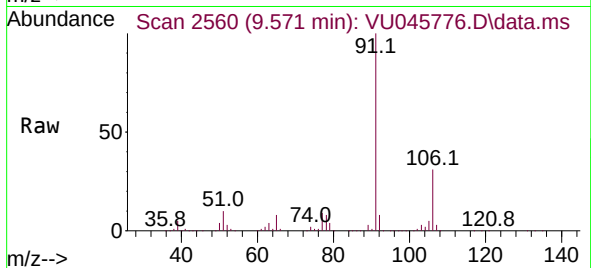
MH-117T-20211109MSD

Tgt Ion: 91 Resp: 317515

Ion Ratio Lower Upper

91 100

106 30.6 24.6 36.8



#68

m/p-Xylenes

Concen: 103.000 ug/l

RT: 9.697 min Scan# 2599

Delta R.T. 0.000 min

Lab File: VU045776.D

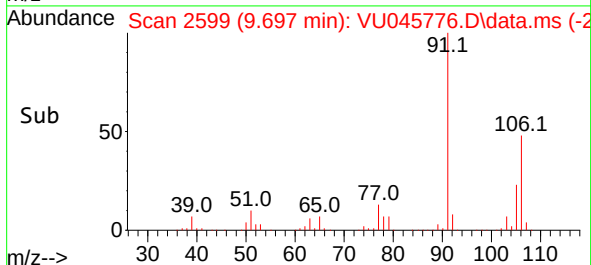
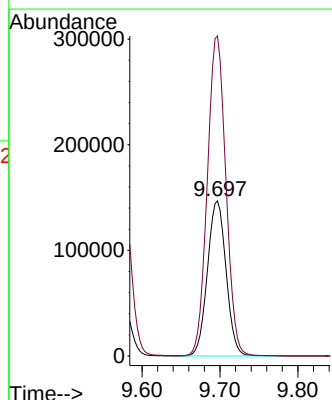
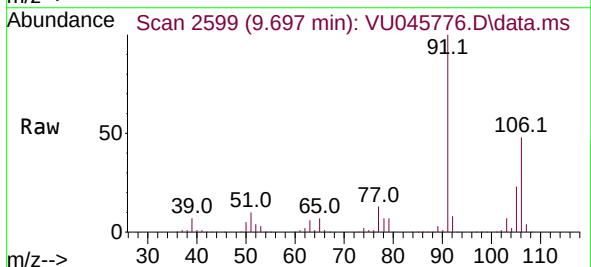
Acq: 12 Nov 2021 17:53

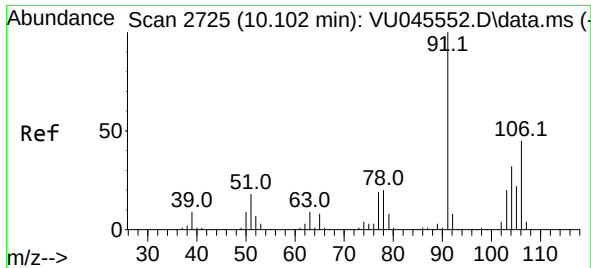
Tgt Ion: 106 Resp: 244036

Ion Ratio Lower Upper

106 100

91 206.1 164.7 247.1

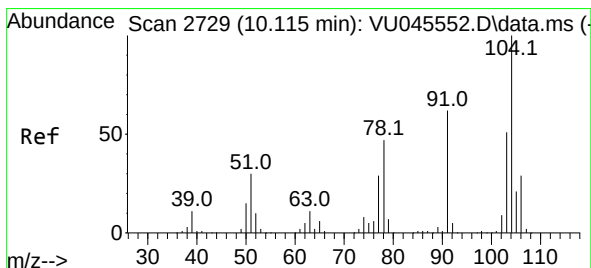
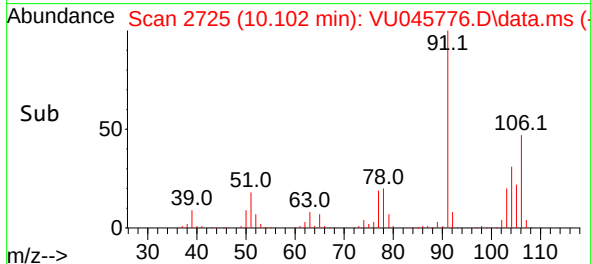
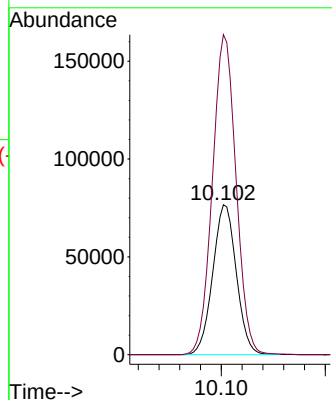
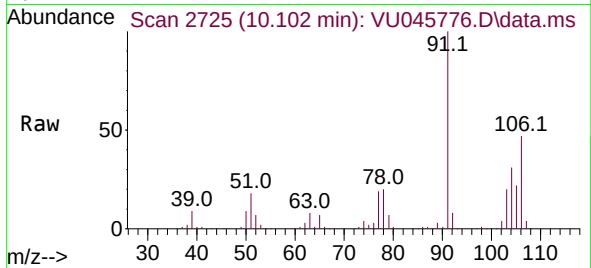




#69  
o-Xylene  
Concen: 52.454 ug/l  
RT: 10.102 min Scan# 2725  
Delta R.T. 0.000 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

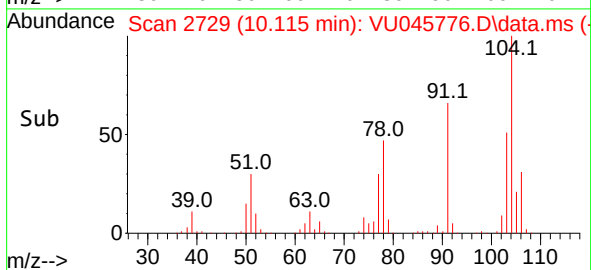
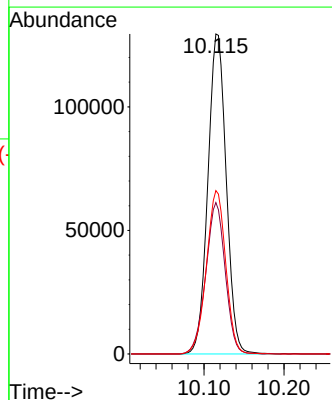
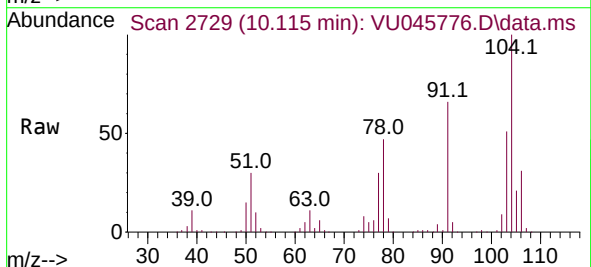
Instrument :  
MSVOA\_U  
ClientSampleId :  
MH-117T-20211109MSD

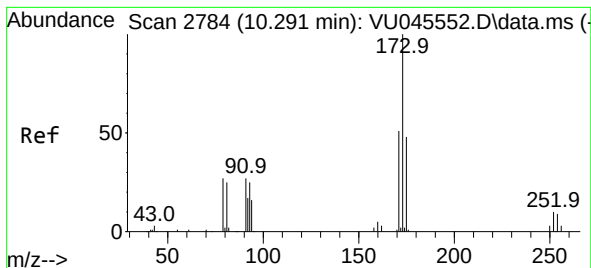
Tgt Ion:106 Resp: 120825  
Ion Ratio Lower Upper  
106 100  
91 213.7 108.7 326.3



#70  
Styrene  
Concen: 53.034 ug/l  
RT: 10.115 min Scan# 2729  
Delta R.T. 0.000 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

Tgt Ion:104 Resp: 206667  
Ion Ratio Lower Upper  
104 100  
78 50.1 41.8 62.6  
103 54.0 43.8 65.6





#71

Bromoform

Concen: 47.092 ug/l

RT: 10.292 min Scan# 21

Delta R.T. 0.001 min

Lab File: VU045776.D

Acq: 12 Nov 2021 17:53

Instrument :

MSVOA\_U

ClientSampleId :

MH-117T-20211109MSD

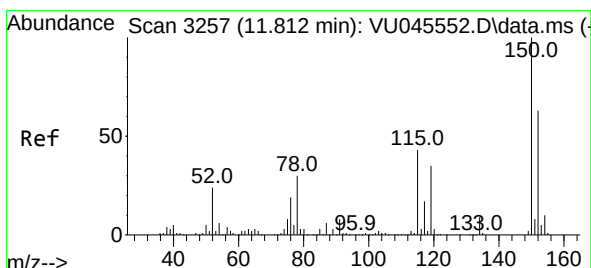
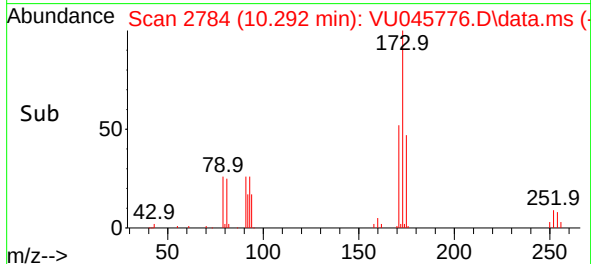
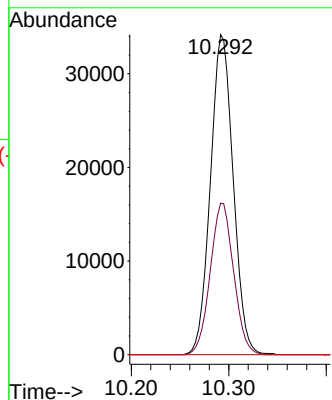
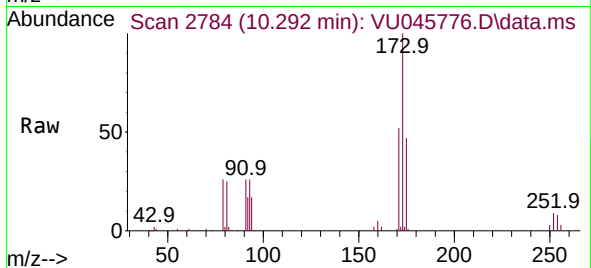
Tgt Ion:173 Resp: 55541

Ion Ratio Lower Upper

173 100

175 48.6 24.1 72.2

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.816 min Scan# 3258

Delta R.T. 0.003 min

Lab File: VU045776.D

Acq: 12 Nov 2021 17:53

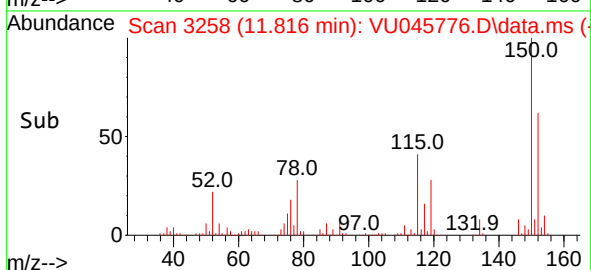
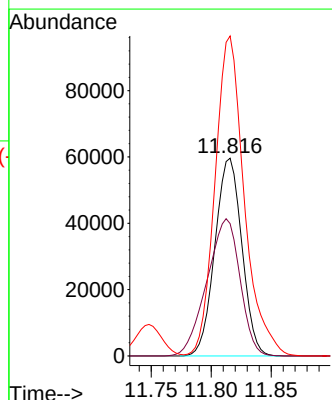
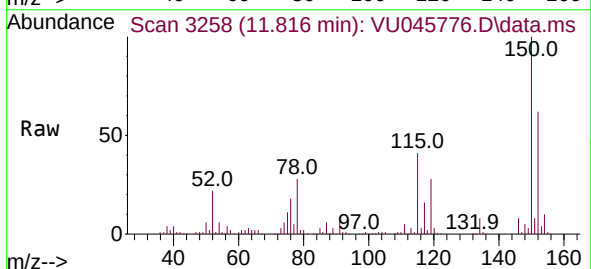
Tgt Ion:152 Resp: 93169

Ion Ratio Lower Upper

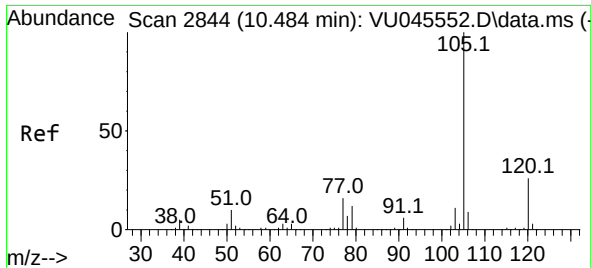
152 100

115 85.1 42.7 128.1

150 175.4 0.0 346.8



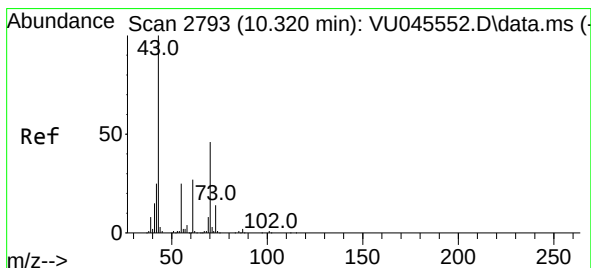
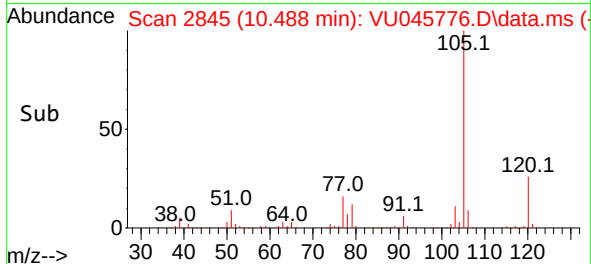
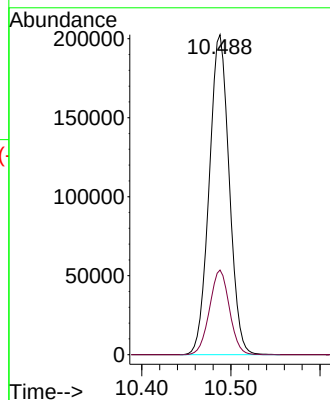
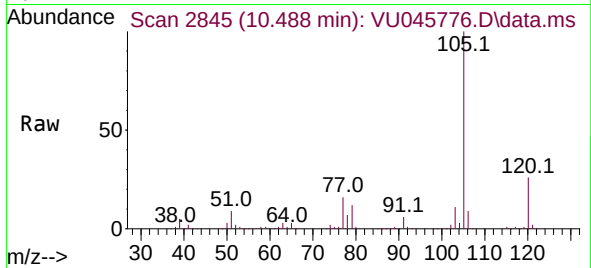




#73  
Isopropylbenzene  
Concen: 51.802 ug/l  
RT: 10.488 min Scan# 2844  
Delta R.T. 0.003 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

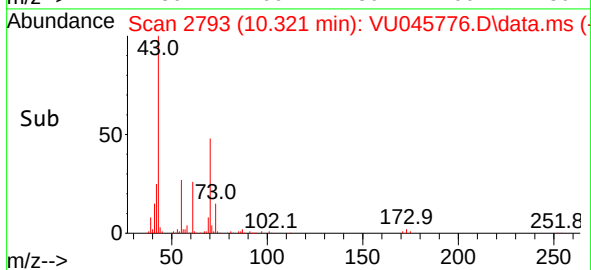
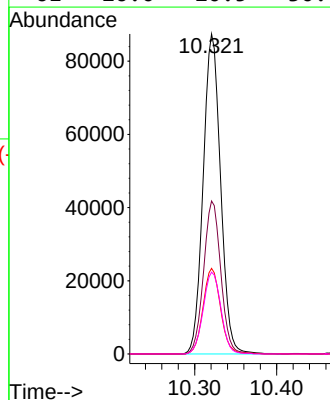
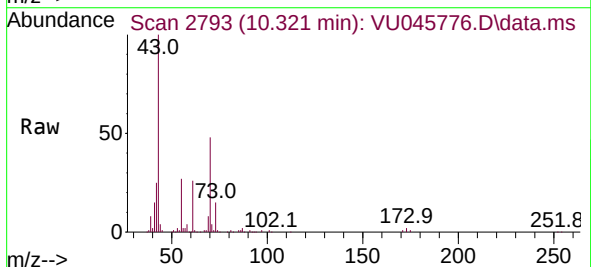
Instrument :  
MSVOA\_U  
ClientSampleId :  
MH-117T-20211109MSD

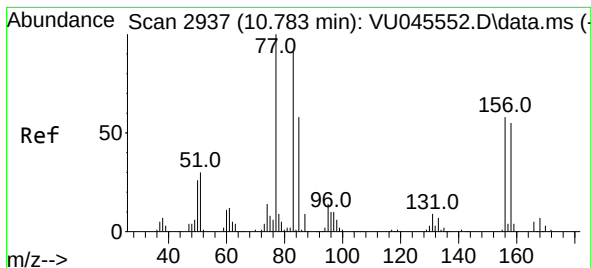
Tgt Ion:105 Resp: 315352  
Ion Ratio Lower Upper  
105 100  
120 26.3 12.9 38.6



#74  
N-ethyl acetate  
Concen: 46.959 ug/l  
RT: 10.321 min Scan# 2793  
Delta R.T. 0.000 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

Tgt Ion: 43 Resp: 128960  
Ion Ratio Lower Upper  
43 100  
70 47.3 36.9 55.3  
55 26.9 20.6 31.0  
61 26.0 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 51.309 ug/l

RT: 10.784 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VU045776.D

Acq: 12 Nov 2021 17:53

Instrument :

MSVOA\_U

ClientSampleId :

MH-117T-20211109MSD

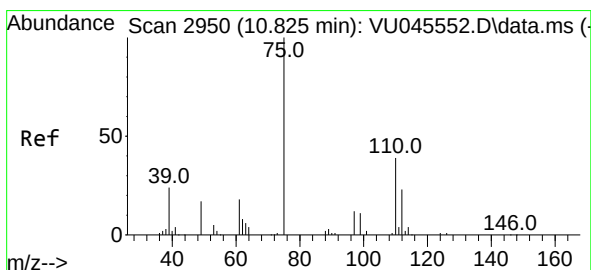
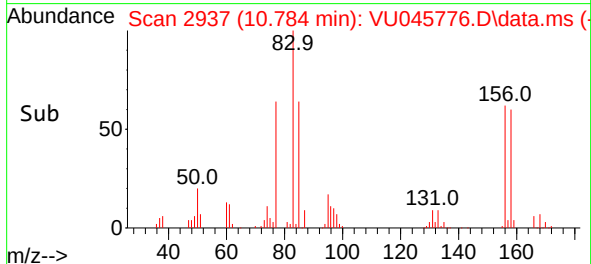
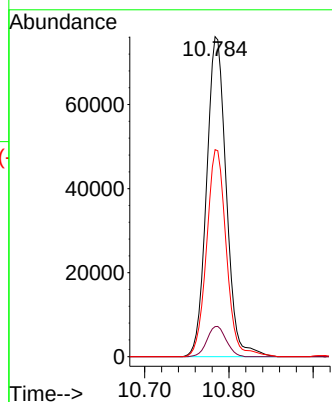
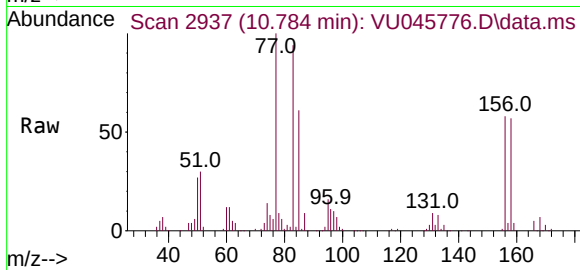
Tgt Ion: 83 Resp: 123752

Ion Ratio Lower Upper

83 100

131 9.2 4.4 13.2

85 64.9 31.9 95.9



#76

1,2,3-Trichloropropane

Concen: 48.234 ug/l

RT: 10.825 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU045776.D

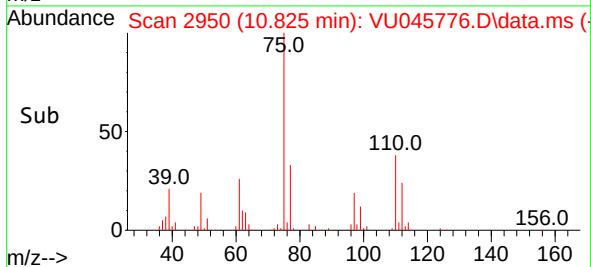
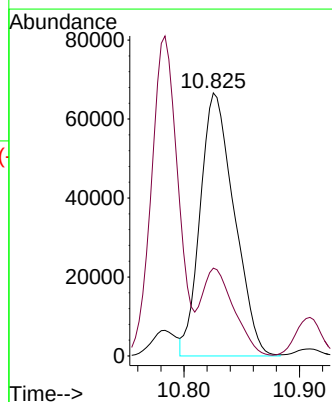
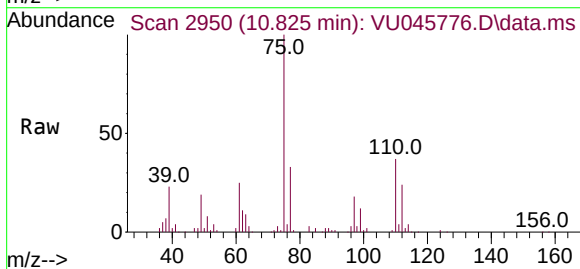
Acq: 12 Nov 2021 17:53

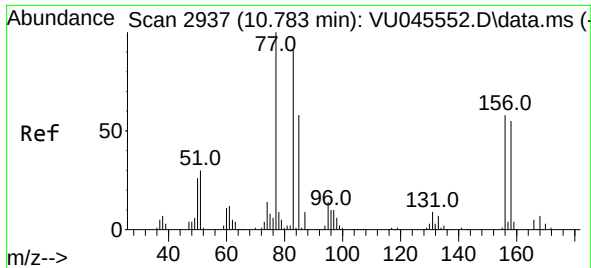
Tgt Ion: 75 Resp: 136282

Ion Ratio Lower Upper

75 100

77 31.4 17.1 51.3

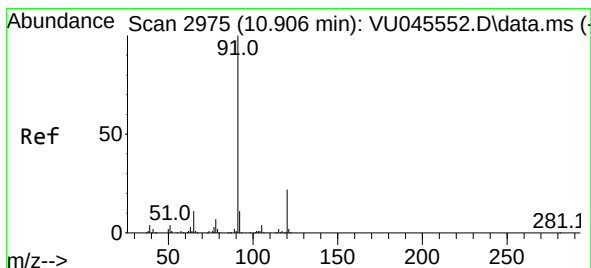
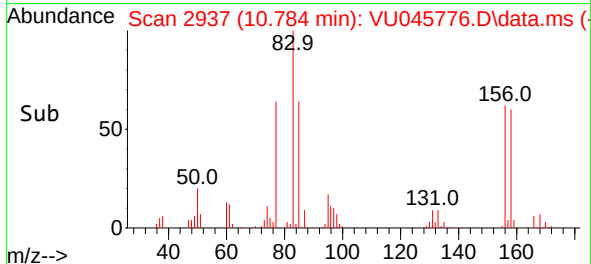
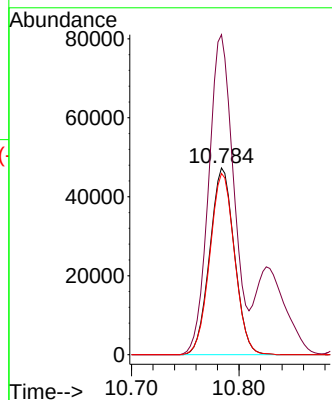
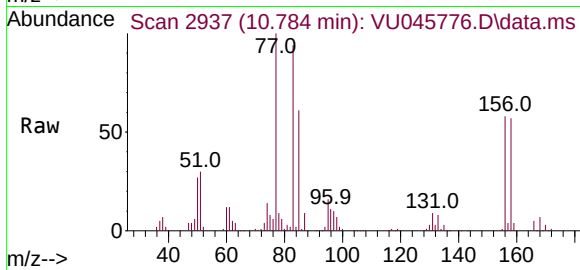




#77  
Bromobenzene  
Concen: 50.926 ug/l  
RT: 10.784 min Scan# 2937  
Delta R.T. 0.000 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

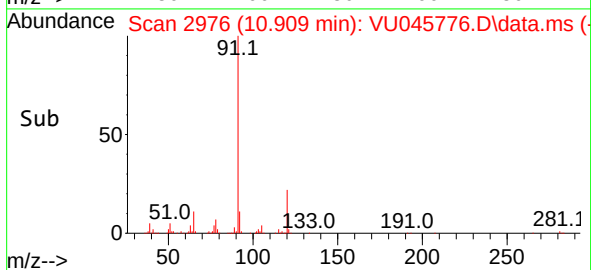
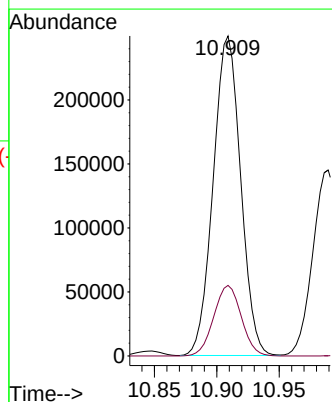
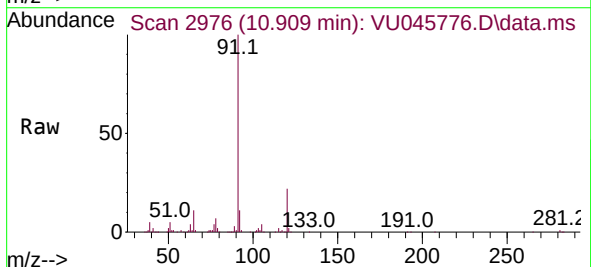
Instrument :  
MSVOA\_U  
ClientSampleId :  
MH-117T-20211109MSD

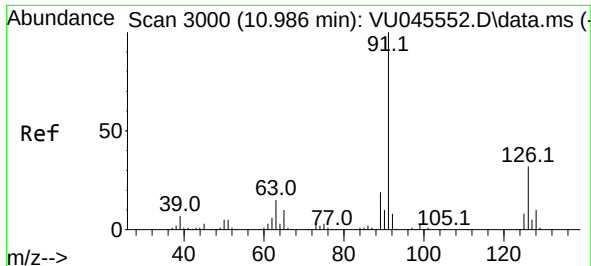
Tgt Ion:156 Resp: 75269  
Ion Ratio Lower Upper  
156 100  
77 173.4 91.1 273.4  
158 97.5 47.9 143.6



#78  
n-propylbenzene  
Concen: 50.471 ug/l  
RT: 10.909 min Scan# 2976  
Delta R.T. 0.003 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

Tgt Ion: 91 Resp: 382396  
Ion Ratio Lower Upper  
91 100  
120 22.2 10.9 32.7

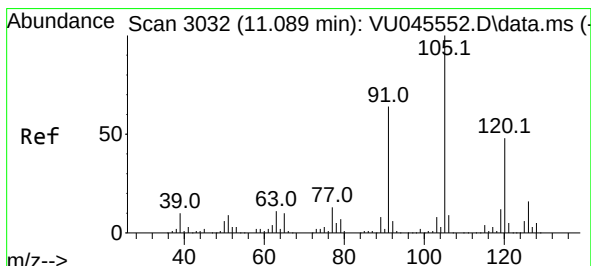
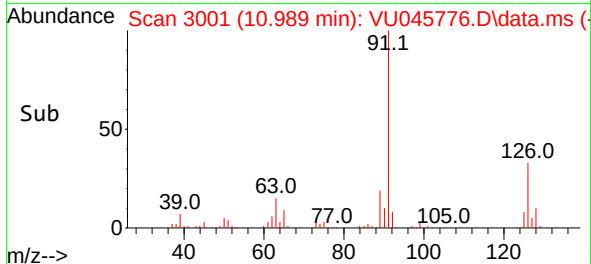
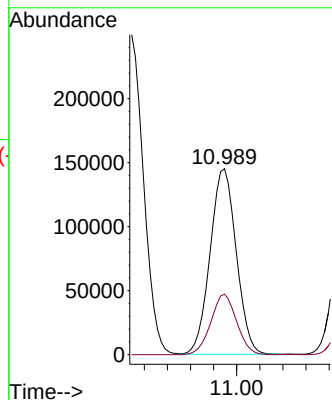
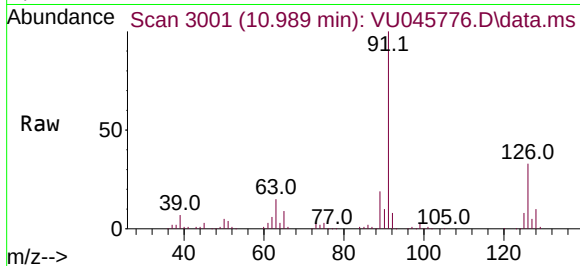




#79  
2-Chlorotoluene  
Concen: 50.915 ug/l  
RT: 10.989 min Scan# 3001  
Delta R.T. 0.003 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

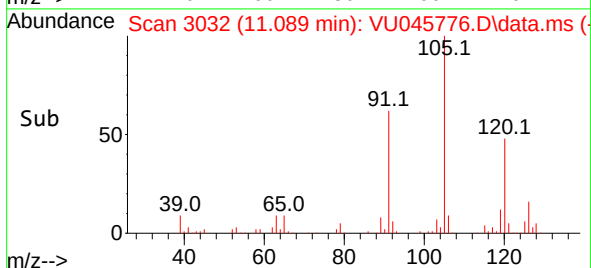
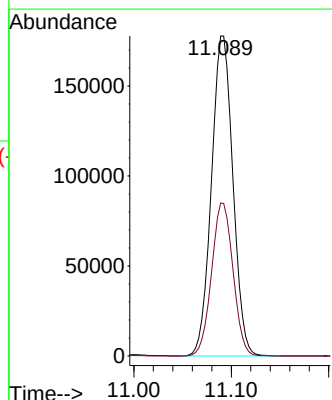
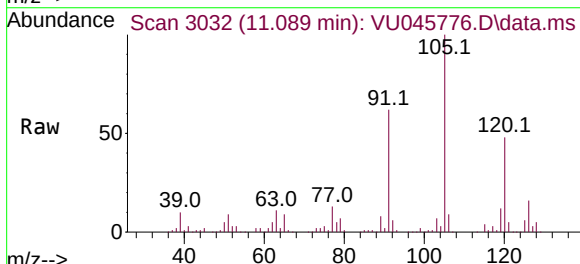
Instrument :  
MSVOA\_U  
ClientSampleId :  
MH-117T-20211109MSD

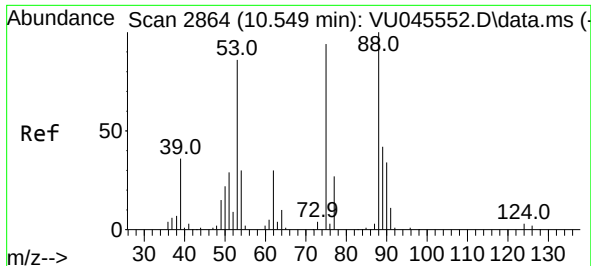
Tgt Ion: 91 Resp: 227910  
Ion Ratio Lower Upper  
91 100  
126 32.1 15.6 46.8



#80  
1,3,5-Trimethylbenzene  
Concen: 51.184 ug/l  
RT: 11.089 min Scan# 3032  
Delta R.T. 0.000 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

Tgt Ion: 105 Resp: 272236  
Ion Ratio Lower Upper  
105 100  
120 47.7 23.9 71.8

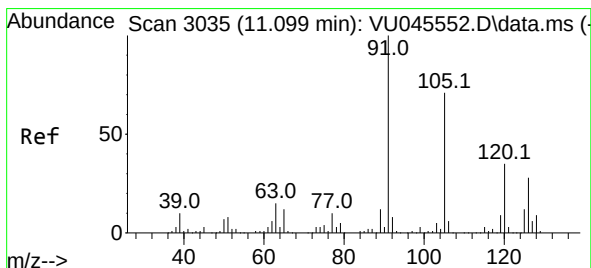
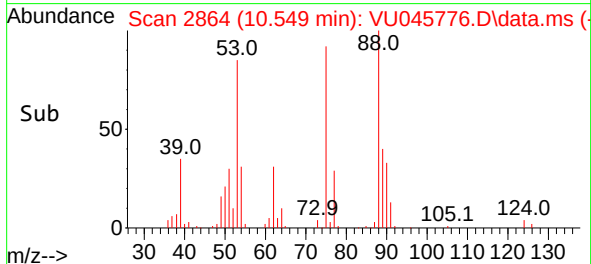
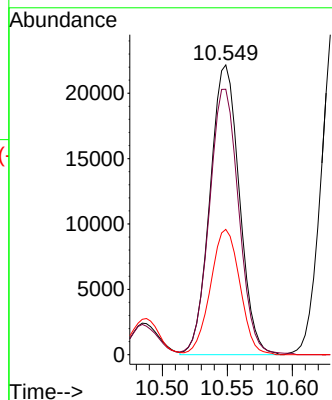
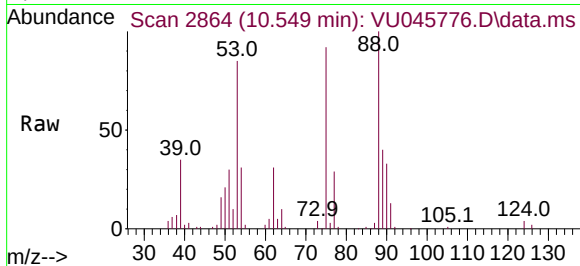




#81  
trans-1,4-Dichloro-2-butene  
Concen: 41.034 ug/l  
RT: 10.549 min Scan# 2864  
Delta R.T. -0.000 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

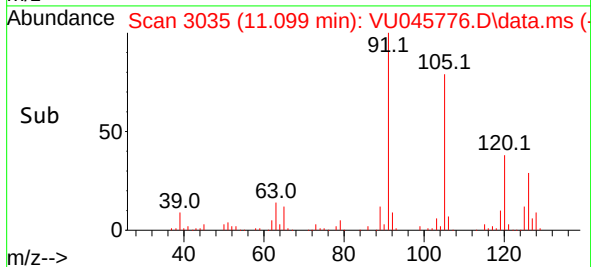
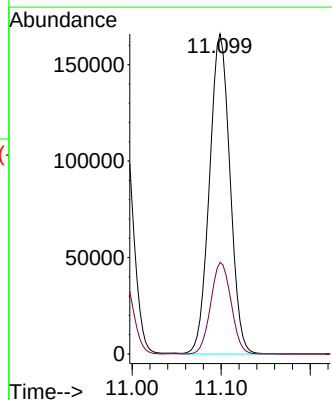
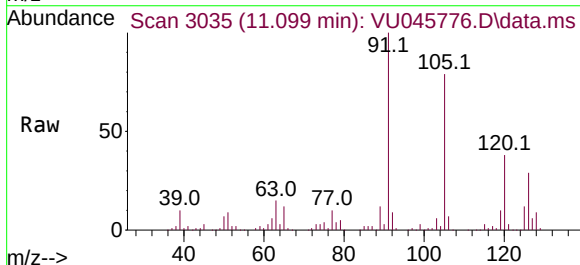
Instrument :  
MSVOA\_U  
ClientSampleId :  
MH-117T-20211109MSD

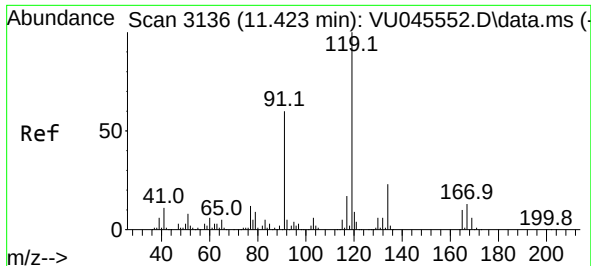
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 34899 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 91.9  | 76.2  | 114.4 |
| 89       | 43.2  | 34.0  | 51.0  |



#82  
4-Chlorotoluene  
Concen: 50.475 ug/l  
RT: 11.099 min Scan# 3035  
Delta R.T. 0.000 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 264978 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 28.3  | 13.8  | 41.4   |

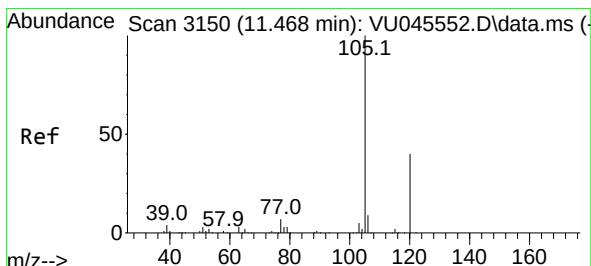
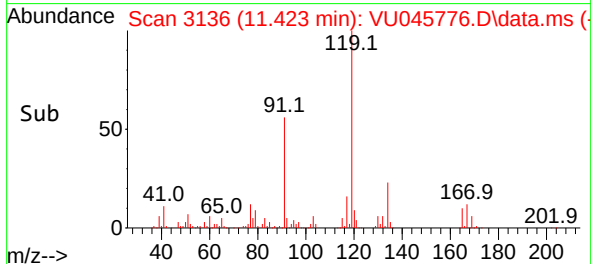
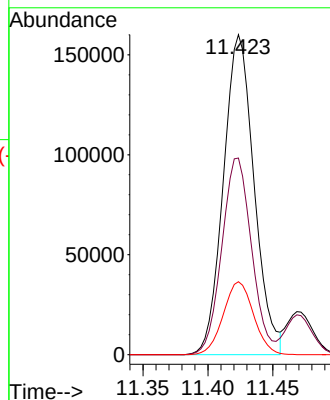
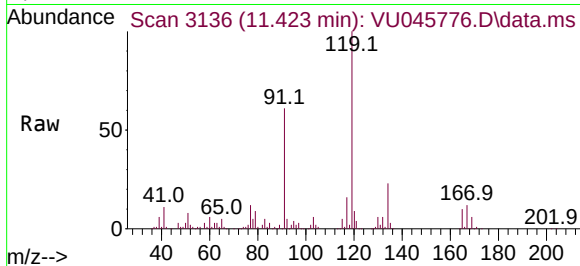




#83  
tert-Butylbenzene  
Concen: 51.972 ug/l  
RT: 11.423 min Scan# 3136  
Delta R.T. 0.000 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

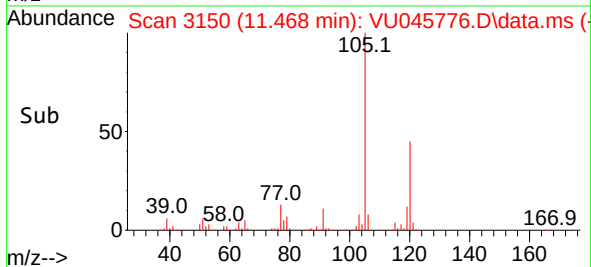
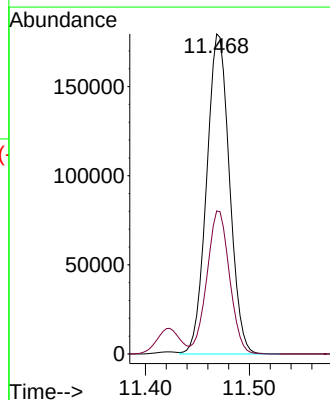
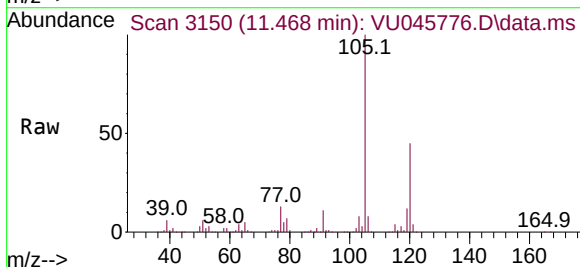
Instrument :  
MSVOA\_U  
ClientSampleId :  
MH-117T-20211109MSD

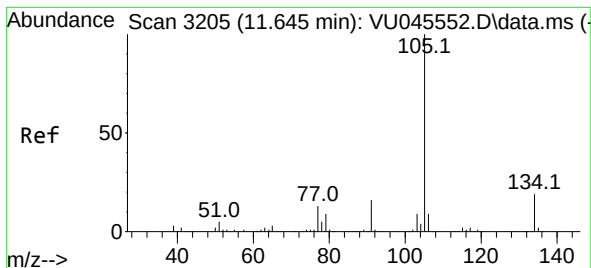
Tgt Ion:119 Resp: 263507  
Ion Ratio Lower Upper  
119 100  
91 59.6 30.5 91.5  
134 22.5 11.5 34.5



#84  
1,2,4-Trimethylbenzene  
Concen: 51.789 ug/l  
RT: 11.468 min Scan# 3150  
Delta R.T. 0.000 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

Tgt Ion:105 Resp: 273765  
Ion Ratio Lower Upper  
105 100  
120 44.2 22.2 66.6





#85

sec-Butylbenzene

Concen: 50.716 ug/l

RT: 11.645 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU045776.D

Acq: 12 Nov 2021 17:53

Instrument :

MSVOA\_U

ClientSampleId :

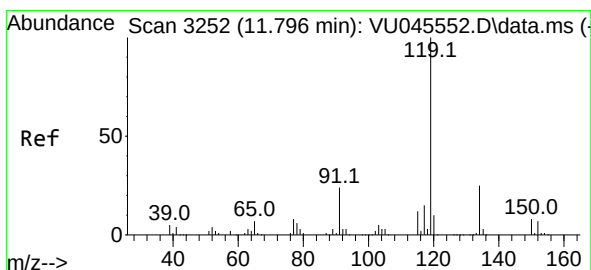
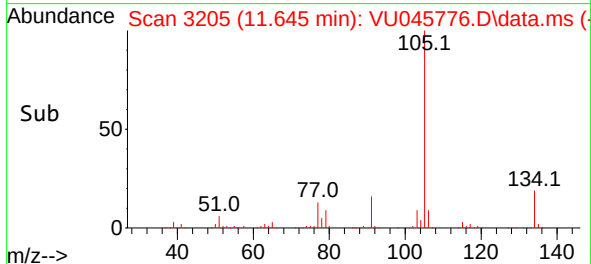
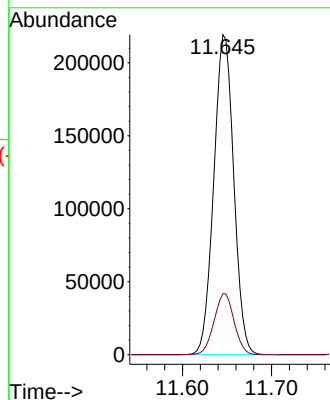
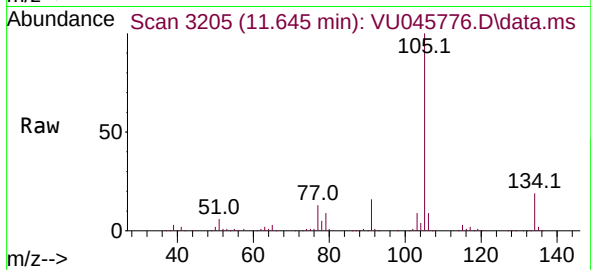
MH-117T-20211109MSD

Tgt Ion:105 Resp: 341028

Ion Ratio Lower Upper

105 100

134 19.1 9.4 28.3



#86

p-Isopropyltoluene

Concen: 50.529 ug/l

RT: 11.796 min Scan# 3252

Delta R.T. 0.000 min

Lab File: VU045776.D

Acq: 12 Nov 2021 17:53

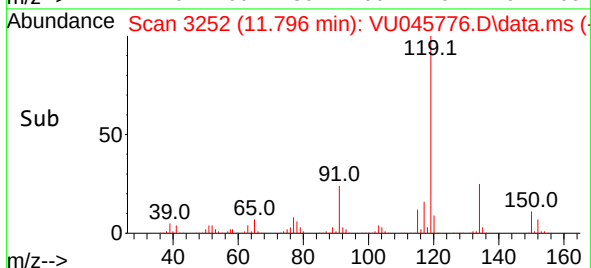
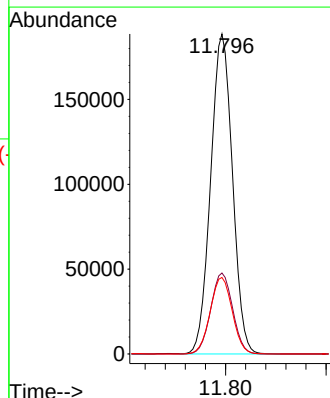
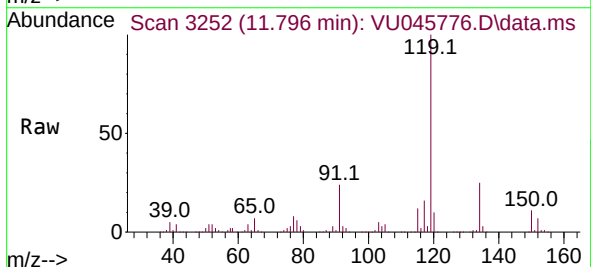
Tgt Ion:119 Resp: 283924

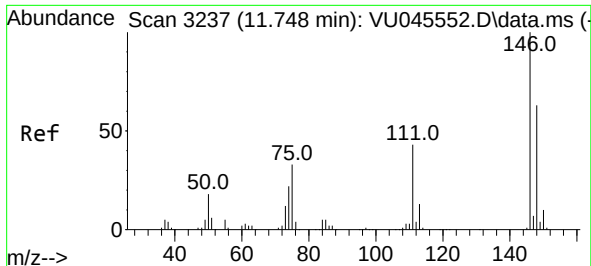
Ion Ratio Lower Upper

119 100

134 25.4 12.7 38.1

91 24.2 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 48.612 ug/l

RT: 11.748 min Scan# 3237

Delta R.T. 0.000 min

Lab File: VU045776.D

Acq: 12 Nov 2021 17:53

Instrument :

MSVOA\_U

ClientSampleId :

MH-117T-20211109MSD

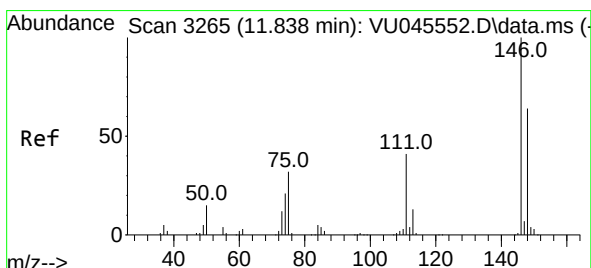
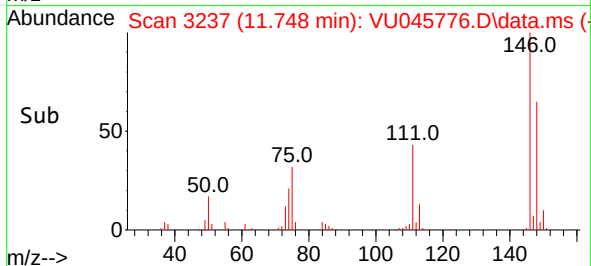
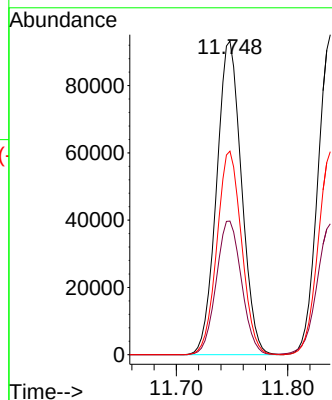
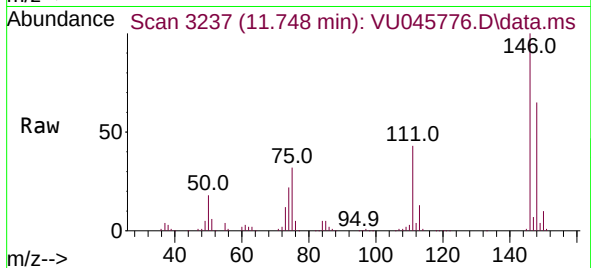
Tgt Ion:146 Resp: 144969

Ion Ratio Lower Upper

146 100

111 43.1 21.3 63.9

148 64.2 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 49.029 ug/l

RT: 11.838 min Scan# 3265

Delta R.T. 0.000 min

Lab File: VU045776.D

Acq: 12 Nov 2021 17:53

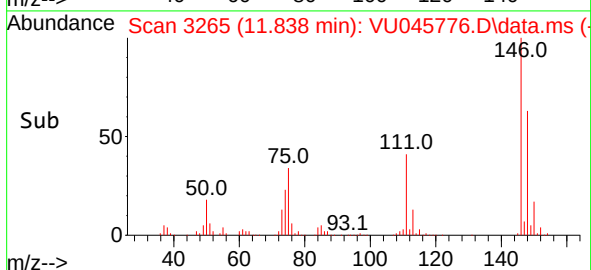
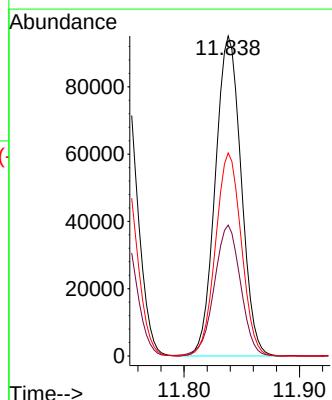
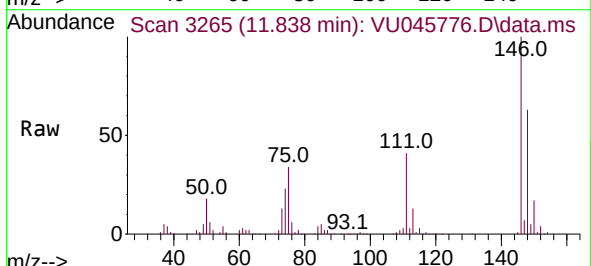
Tgt Ion:146 Resp: 147877

Ion Ratio Lower Upper

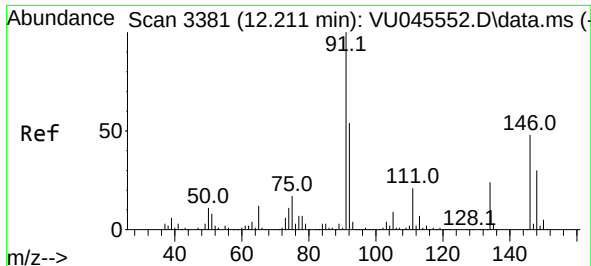
146 100

111 41.6 20.6 61.9

148 63.3 31.9 95.7



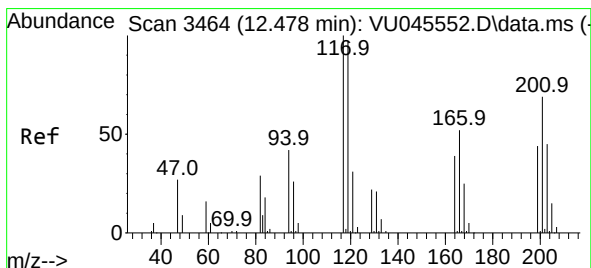
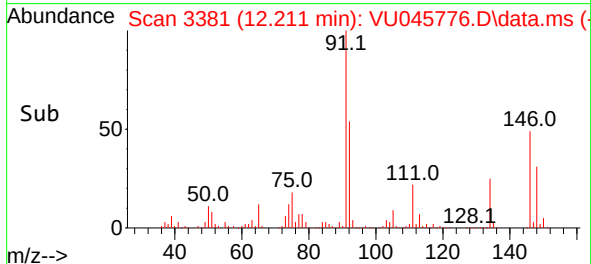
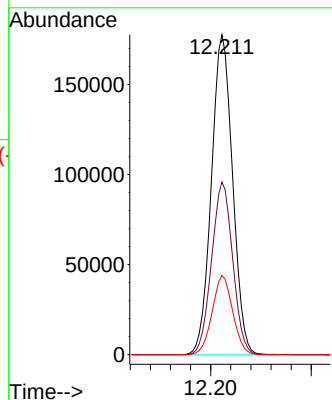
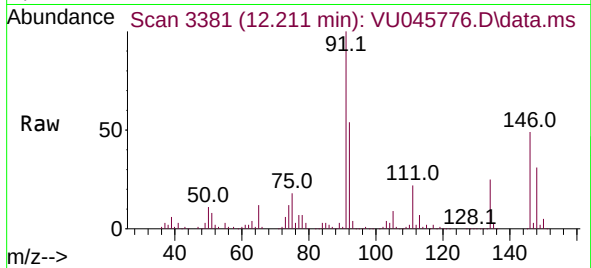




#89  
n-Butylbenzene  
Concen: 47.918 ug/l  
RT: 12.211 min Scan# 3381  
Delta R.T. 0.000 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

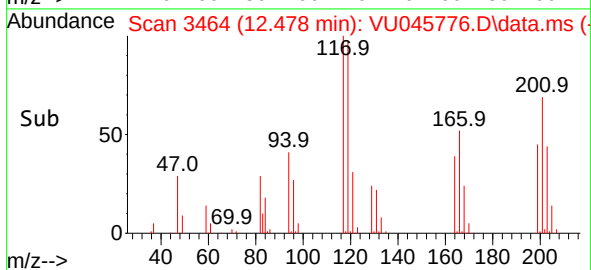
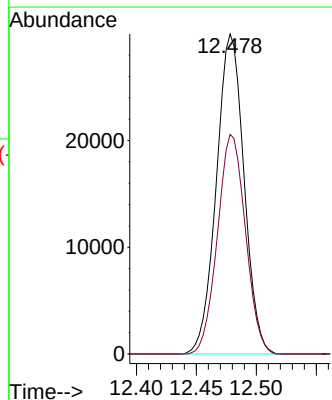
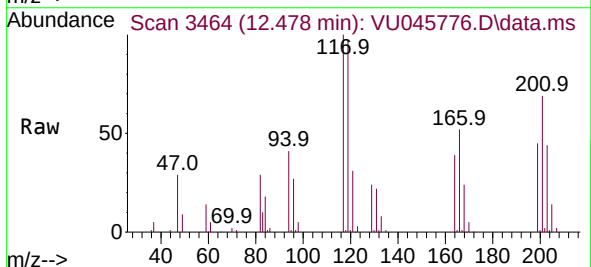
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MSVOA\_U  
ClientSampleId :  
MH-117T-20211109MSD

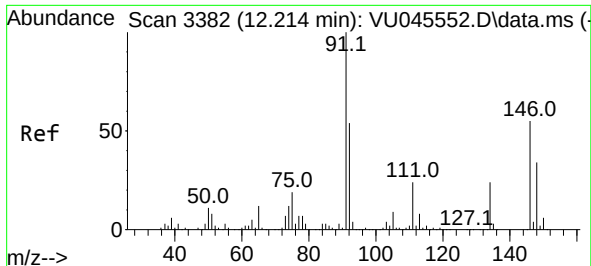
Tgt Ion: 91 Resp: 259370  
Ion Ratio Lower Upper  
91 100  
92 53.8 27.1 81.2  
134 24.0 11.8 35.4



#90  
Hexachloroethane  
Concen: 47.349 ug/l  
RT: 12.478 min Scan# 3464  
Delta R.T. 0.000 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

Tgt Ion: 117 Resp: 47996  
Ion Ratio Lower Upper  
117 100  
201 69.5 33.8 101.4





#91

1,2-Dichlorobenzene

Concen: 50.636 ug/l

RT: 12.214 min Scan# 3382

Delta R.T. 0.000 min

Lab File: VU045776.D

Acq: 12 Nov 2021 17:53

Instrument :

MSVOA\_U

ClientSampleId :

MH-117T-20211109MSD

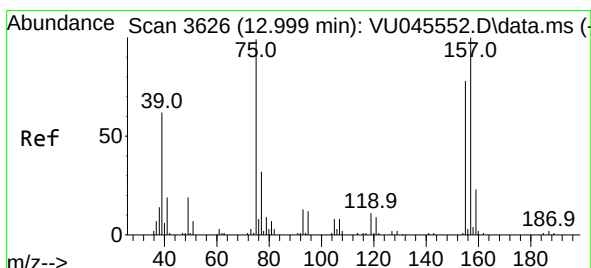
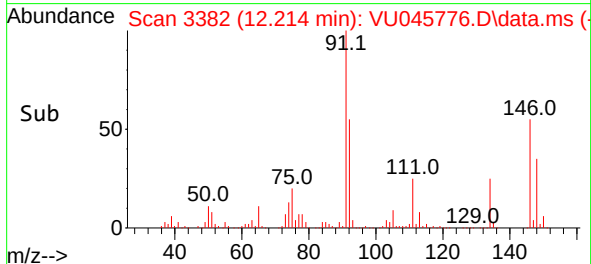
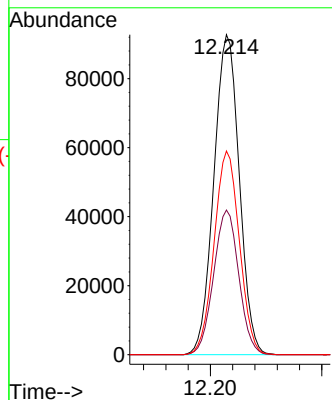
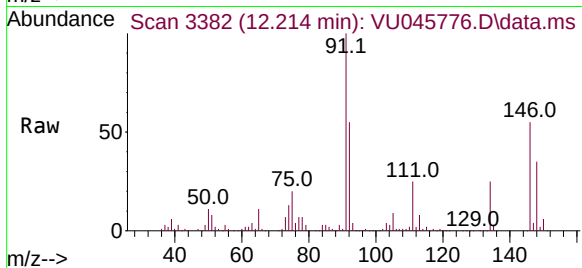
Tgt Ion:146 Resp: 146914

Ion Ratio Lower Upper

146 100

111 44.8 21.9 65.5

148 63.3 32.1 96.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.384 ug/l

RT: 12.999 min Scan# 3626

Delta R.T. 0.000 min

Lab File: VU045776.D

Acq: 12 Nov 2021 17:53

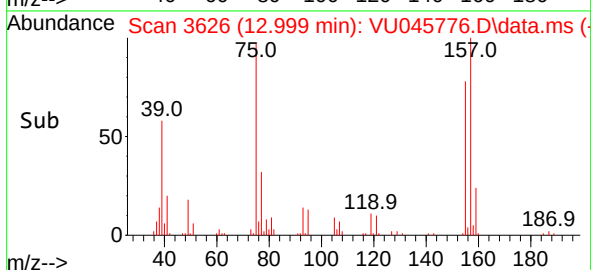
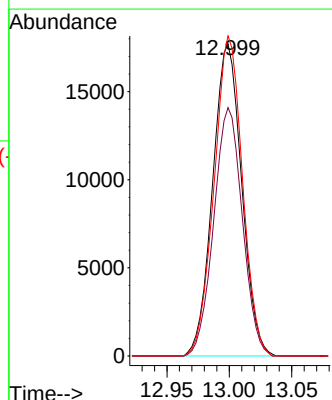
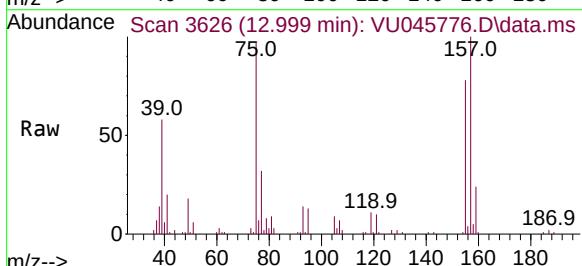
Tgt Ion: 75 Resp: 28674

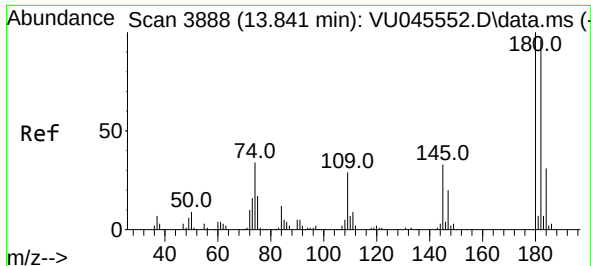
Ion Ratio Lower Upper

75 100

155 78.5 37.8 113.3

157 100.2 48.4 145.2

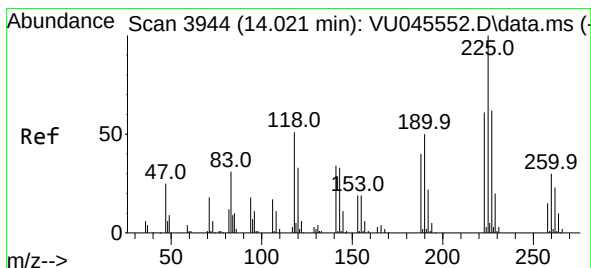
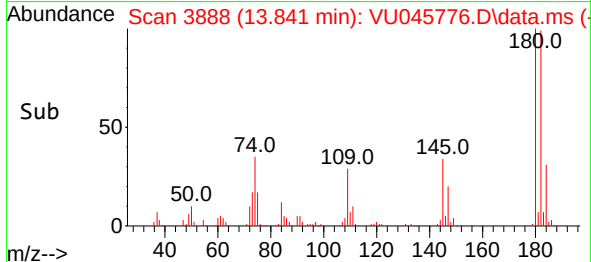
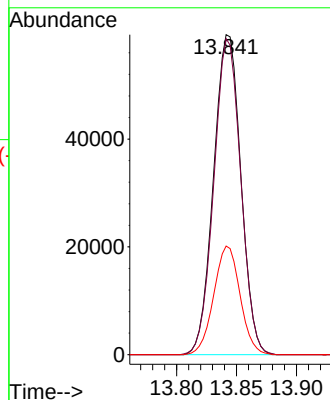
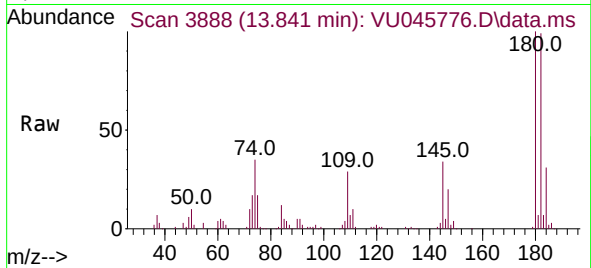




#93  
1,2,4-Trichlorobenzene  
Concen: 46.805 ug/l  
RT: 13.841 min Scan# 3888  
Delta R.T. 0.000 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

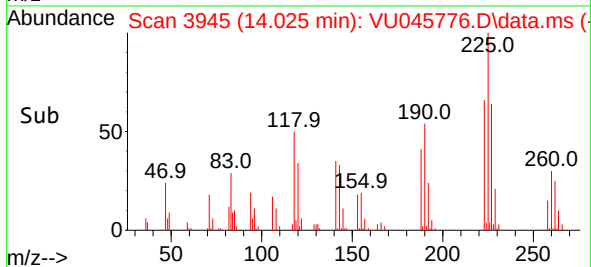
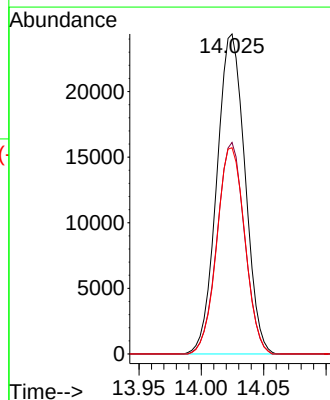
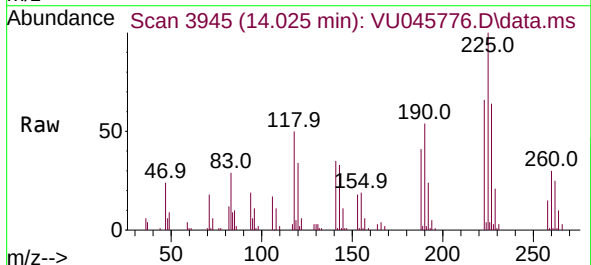
Instrument :  
MSVOA\_U  
ClientSampleId :  
MH-117T-20211109MSD

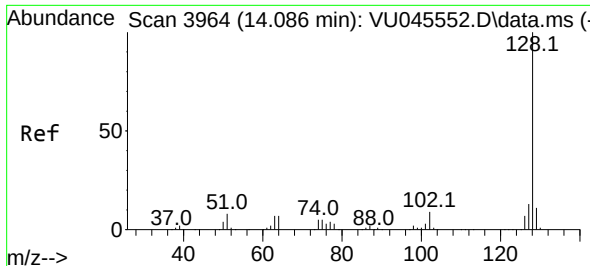
Tgt Ion:180 Resp: 93895  
Ion Ratio Lower Upper  
180 100  
182 97.1 47.0 141.2  
145 32.8 15.6 46.7



#94  
Hexachlorobutadiene  
Concen: 44.305 ug/l  
RT: 14.025 min Scan# 3945  
Delta R.T. 0.003 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

Tgt Ion:225 Resp: 38366  
Ion Ratio Lower Upper  
225 100  
223 64.6 32.0 96.2  
227 64.0 31.1 93.5

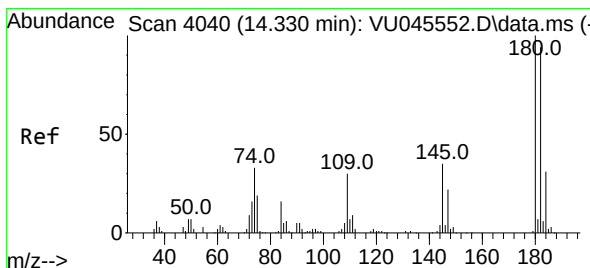
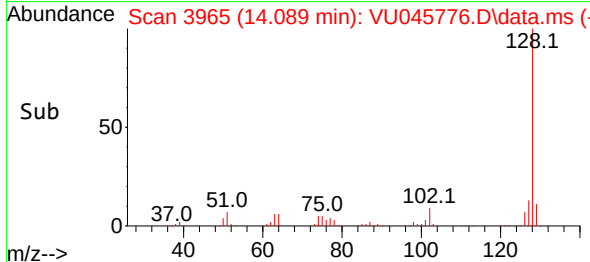
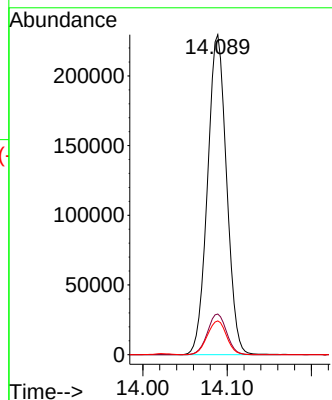
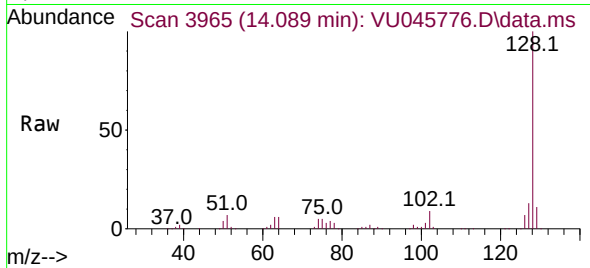




#95  
Naphthalene  
Concen: 47.930 ug/l  
RT: 14.089 min Scan# 3964  
Delta R.T. 0.003 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

Instrument :  
MSVOA\_U  
ClientSampleId :  
MH-117T-20211109MSD

Tgt Ion:128 Resp: 361147  
Ion Ratio Lower Upper  
128 100  
127 12.8 10.6 15.8  
129 10.7 8.6 13.0



#96  
1,2,3-Trichlorobenzene  
Concen: 50.464 ug/l  
RT: 14.333 min Scan# 4041  
Delta R.T. 0.003 min  
Lab File: VU045776.D  
Acq: 12 Nov 2021 17:53

Tgt Ion:180 Resp: 100555  
Ion Ratio Lower Upper  
180 100  
182 95.5 47.7 143.1  
145 35.0 16.7 50.0

