

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN060923\  
 Data File : VN078148.D  
 Acq On : 09 Jun 2023 16:10  
 Operator : JC\MD  
 Sample : 03123-04MS  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BP-VPB-RW11-GW-698-700MS

Quant Time: Jun 09 23:09:47 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060623W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 07 05:05:00 2023  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 8.230  | 168   | 423211   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.106  | 114   | 761519   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.871 | 117   | 658460   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.800 | 152   | 276098   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.588  | 65    | 288651   | 51.155   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | =      | 102.300% |
| 35) Dibromofluoromethane     | 8.177  | 113   | 241327   | 50.120   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 100.240% |
| 50) Toluene-d8               | 10.571 | 98    | 937677   | 50.515   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | =      | 101.040% |
| 62) 4-Bromofluorobenzene     | 12.853 | 95    | 304768   | 52.814   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | =      | 105.620% |
| Target Compounds             |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.136  | 85    | 212866   | 44.496   | ug/l   | 97       |
| 3) Chloromethane             | 2.371  | 50    | 236352   | 52.611   | ug/l   | 97       |
| 4) Vinyl Chloride            | 2.524  | 62    | 297692   | 47.521   | ug/l   | 97       |
| 5) Bromomethane              | 2.953  | 94    | 218134   | 46.076   | ug/l   | 99       |
| 6) Chloroethane              | 3.124  | 64    | 212670   | 49.801   | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.506  | 101   | 401953   | 47.317   | ug/l   | 95       |
| 8) Diethyl Ether             | 3.977  | 74    | 143002   | 47.909   | ug/l   | 85       |
| 9) 1,1,2-Trichlorotrifluo... | 4.383  | 101   | 218982   | 48.845   | ug/l   | 96       |
| 10) Methyl Iodide            | 4.600  | 142   | 306199   | 48.295   | ug/l   | 99       |
| 11) Tert butyl alcohol       | 5.536  | 59    | 167750   | 215.302  | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 4.353  | 96    | 210637   | 45.578   | ug/l   | 89       |
| 13) Acrolein                 | 4.189  | 56    | 195007   | 227.092  | ug/l   | 96       |
| 14) Allyl chloride           | 5.036  | 41    | 275114   | 48.767   | ug/l   | 91       |
| 15) Acrylonitrile            | 5.730  | 53    | 518668   | 258.205  | ug/l   | 98       |
| 16) Acetone                  | 4.442  | 43    | 389533   | 239.834  | ug/l   | 97       |
| 17) Carbon Disulfide         | 4.718  | 76    | 537256   | 45.165   | ug/l   | 96       |
| 18) Methyl Acetate           | 5.036  | 43    | 363928   | 48.669   | ug/l   | 90       |
| 19) Methyl tert-butyl Ether  | 5.806  | 73    | 726201   | 49.250   | ug/l   | 96       |
| 20) Methylene Chloride       | 5.283  | 84    | 250390   | 46.652   | ug/l   | 93       |
| 21) trans-1,2-Dichloroethene | 5.794  | 96    | 237961   | 47.740   | ug/l   | 87       |
| 22) Diisopropyl ether        | 6.683  | 45    | 696932   | 52.519   | ug/l   | 94       |
| 23) Vinyl Acetate            | 6.612  | 43    | 2032751  | 257.694  | ug/l # | 91       |
| 24) 1,1-Dichloroethane       | 6.583  | 63    | 443824   | 50.700   | ug/l   | 97       |
| 25) 2-Butanone               | 7.494  | 43    | 637259   | 255.145  | ug/l   | 90       |
| 26) 2,2-Dichloropropane      | 7.500  | 77    | 358995   | 55.541   | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 7.494  | 96    | 288140   | 48.462   | ug/l   | 94       |
| 28) Bromochloromethane       | 7.818  | 49    | 180505   | 44.910   | ug/l   | 91       |
| 29) Tetrahydrofuran          | 7.847  | 42    | 430436   | 257.795  | ug/l   | 86       |
| 30) Chloroform               | 7.971  | 83    | 484567   | 51.406   | ug/l   | 93       |
| 31) Cyclohexane              | 8.265  | 56    | 357923   | 49.448   | ug/l   | 95       |
| 32) 1,1,1-Trichloroethane    | 8.177  | 97    | 426038   | 51.481   | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 8.377  | 75    | 357369   | 51.744   | ug/l   | 96       |
| 37) Ethyl Acetate            | 7.571  | 43    | 275916   | 51.139   | ug/l # | 94       |
| 38) Carbon Tetrachloride     | 8.371  | 117   | 380507   | 52.177   | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.606  | 83    | 370527   | 51.768   | ug/l   | 93       |
| 40) Benzene                  | 8.612  | 78    | 1059508  | 51.385   | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN060923\  
 Data File : VN078148.D  
 Acq On : 09 Jun 2023 16:10  
 Operator : JC\MD  
 Sample : 03123-04MS  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BP-VPB-RW11-GW-698-700MS

Quant Time: Jun 09 23:09:47 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060623W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 07 05:05:00 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.788  | 41   | 157235   | 53.765  | ug/l   | 91       |
| 42) 1,2-Dichloroethane        | 8.677  | 62   | 364641   | 51.579  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.694  | 43   | 476390   | 46.169  | ug/l   | 96       |
| 44) Trichloroethene           | 9.359  | 130  | 269642   | 49.519  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.629  | 63   | 268794   | 52.396  | ug/l   | 100      |
| 46) Dibromomethane            | 9.718  | 93   | 189543   | 50.162  | ug/l   | 95       |
| 47) Bromodichloromethane      | 9.894  | 83   | 380993   | 54.281  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.688  | 41   | 231269   | 53.409  | ug/l   | 89       |
| 49) 1,4-Dioxane               | 9.700  | 88   | 83885    | 921.702 | ug/l # | 92       |
| 51) 4-Methyl-2-Pentanone      | 10.453 | 43   | 1452469  | 267.314 | ug/l   | 93       |
| 52) Toluene                   | 10.635 | 92   | 668512   | 51.352  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 10.841 | 75   | 394852   | 54.017  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.318 | 75   | 417440   | 51.661  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane     | 11.024 | 97   | 262345   | 53.272  | ug/l   | 91       |
| 56) Ethyl methacrylate        | 10.882 | 69   | 383302   | 53.454  | ug/l # | 90       |
| 57) 1,3-Dichloropropane       | 11.171 | 76   | 441671   | 53.133  | ug/l   | 100      |
| 59) 2-Hexanone                | 11.200 | 43   | 1005025  | 265.645 | ug/l   | 93       |
| 60) Dibromochloromethane      | 11.365 | 129  | 291495   | 54.092  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.476 | 107  | 265816   | 51.434  | ug/l   | 100      |
| 64) Tetrachloroethene         | 11.106 | 164  | 225191   | 51.264  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.900 | 112  | 713935   | 50.629  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.965 | 131  | 270956   | 52.243  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.970 | 91   | 1288577  | 52.959  | ug/l   | 99       |
| 68) m/p-Xylenes               | 12.076 | 106  | 972626   | 104.890 | ug/l   | 98       |
| 69) o-Xylene                  | 12.400 | 106  | 480797   | 52.800  | ug/l   | 96       |
| 70) Styrene                   | 12.418 | 104  | 767018   | 53.504  | ug/l   | 98       |
| 71) Bromoform                 | 12.582 | 173  | 181680   | 54.281  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.700 | 105  | 1193642  | 45.718  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.500 | 43   | 394601   | 45.896  | ug/l   | 93       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 370112   | 51.620  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 13.000 | 75   | 446429   | 68.397  | ug/l   | 71       |
| 77) Bromobenzene              | 12.988 | 156  | 271359   | 44.773  | ug/l   | 99       |
| 78) n-propylbenzene           | 13.041 | 91   | 1376505  | 48.526  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 13.129 | 91   | 837597   | 45.744  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 979735   | 46.349  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.741 | 75   | 102454   | 48.226  | ug/l   | 91       |
| 82) 4-Chlorotoluene           | 13.229 | 91   | 804824   | 47.096  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.441 | 119  | 848300   | 46.167  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.488 | 105  | 983598   | 47.995  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.623 | 105  | 1124189  | 46.744  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.735 | 119  | 937525   | 48.038  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.741 | 146  | 473717   | 46.208  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.817 | 146  | 452072   | 45.698  | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.059 | 91   | 739938   | 48.068  | ug/l   | 98       |
| 90) Hexachloroethane          | 14.335 | 117  | 169725   | 49.005  | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene       | 14.112 | 146  | 464110   | 46.321  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.723 | 75   | 61437    | 47.507  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 15.400 | 180  | 174414   | 48.857  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.506 | 225  | 91290    | 52.292  | ug/l   | 98       |
| 95) Naphthalene               | 15.647 | 128  | 527382   | 43.918  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.847 | 180  | 174976   | 43.825  | ug/l   | 97       |

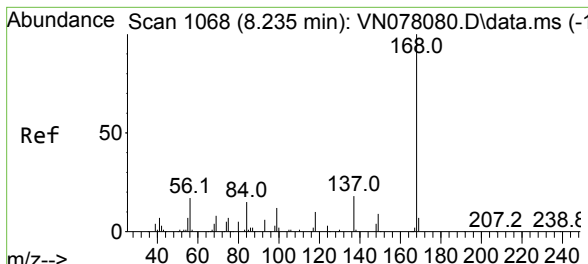
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN060923\  
Data File : VN078148.D  
Acq On : 09 Jun 2023 16:10  
Operator : JC\MD  
Sample : 03123-04MS  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-RW11-GW-698-700MS

Quant Time: Jun 09 23:09:47 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060623W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 07 05:05:00 2023  
Response via : Initial Calibration

| Compound                                                                   | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                      |      |      |          |      |       |          |
| (#) = qualifier out of range (m) = manual integration (+) = signals summed |      |      |          |      |       |          |

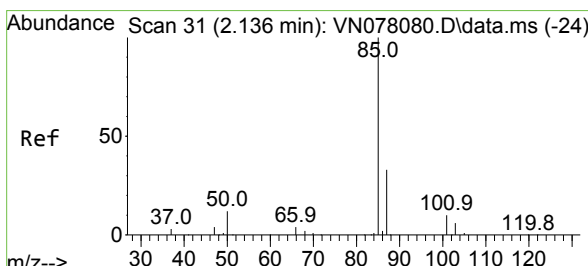
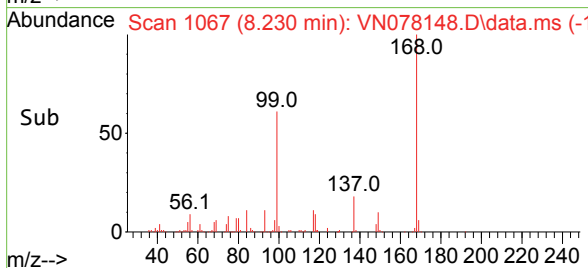
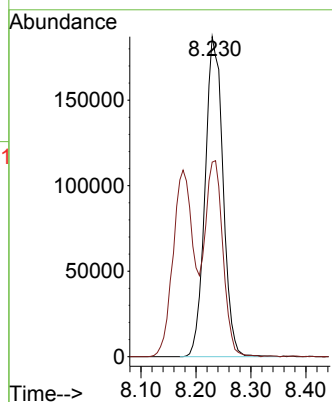
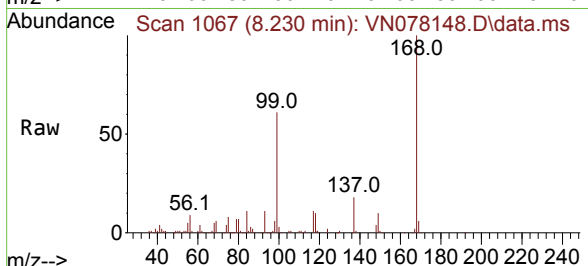




#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.230 min Scan# 1  
 Delta R.T. -0.005 min  
 Lab File: VN078148.D  
 Acq: 09 Jun 2023 16:10

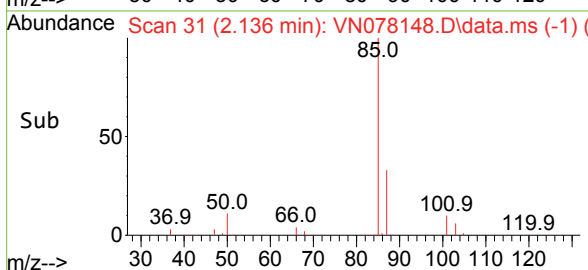
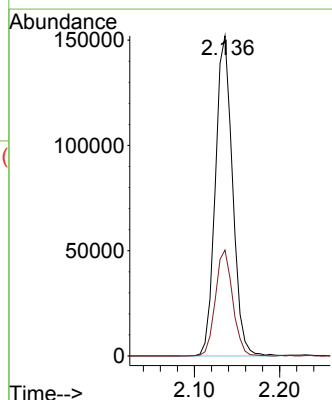
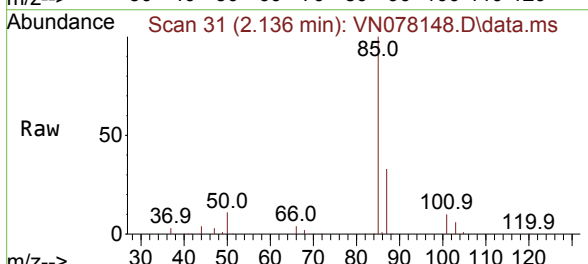
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BP-VPB-RW11-GW-698-700MS

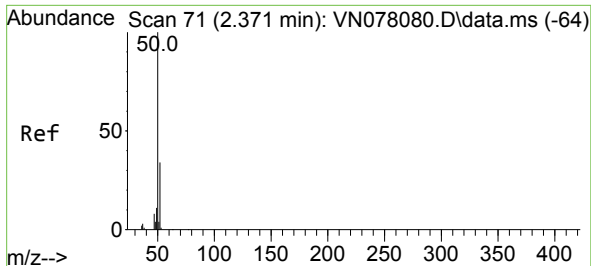
Tgt Ion:168 Resp: 423211  
 Ion Ratio Lower Upper  
 168 100  
 99 60.8 53.0 79.6



#2  
 Dichlorodifluoromethane  
 Concen: 44.496 ug/l  
 RT: 2.136 min Scan# 31  
 Delta R.T. 0.000 min  
 Lab File: VN078148.D  
 Acq: 09 Jun 2023 16:10

Tgt Ion: 85 Resp: 212866  
 Ion Ratio Lower Upper  
 85 100  
 87 33.1 15.8 47.4

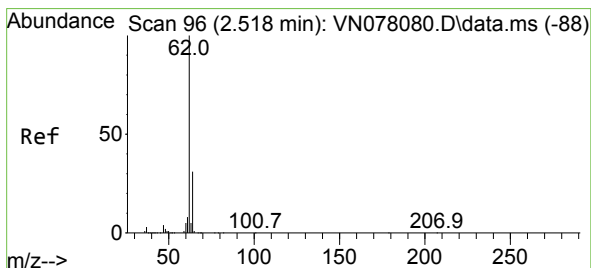
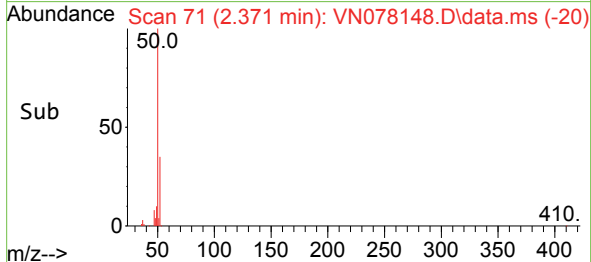
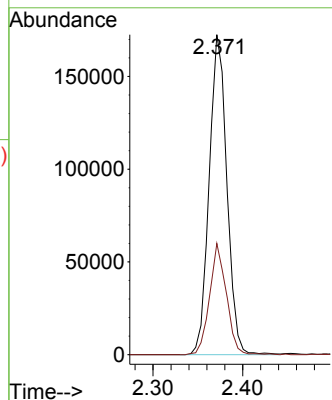
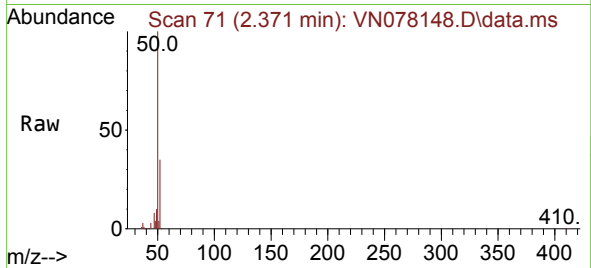




#3  
Chloromethane  
Concen: 52.611 ug/l  
RT: 2.371 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

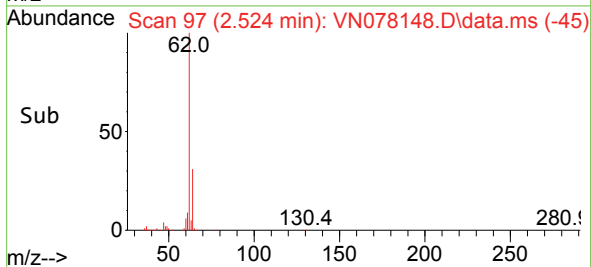
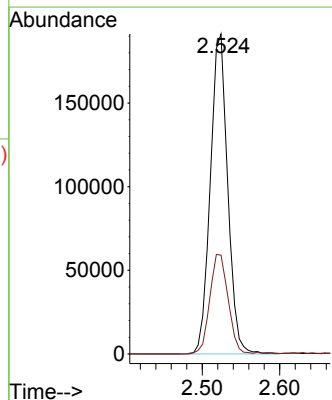
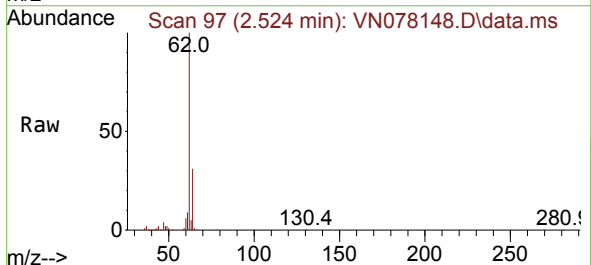
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-RW11-GW-698-700MS

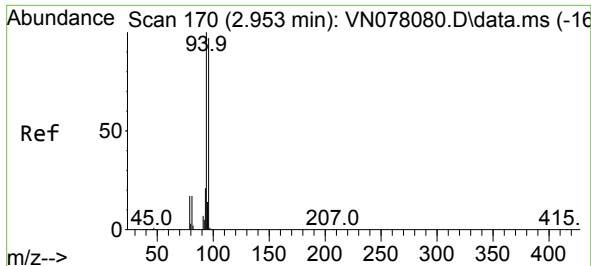
Tgt Ion: 50 Resp: 236352  
Ion Ratio Lower Upper  
50 100  
52 34.8 26.5 39.7



#4  
Vinyl Chloride  
Concen: 47.521 ug/l  
RT: 2.524 min Scan# 97  
Delta R.T. 0.006 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

Tgt Ion: 62 Resp: 297692  
Ion Ratio Lower Upper  
62 100  
64 30.9 26.2 39.2

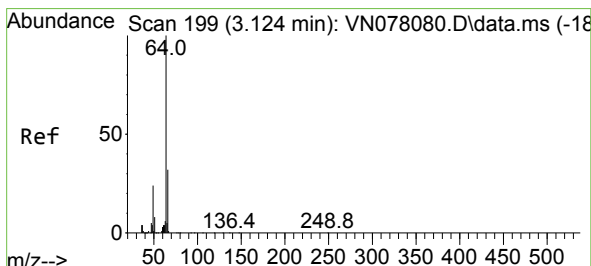
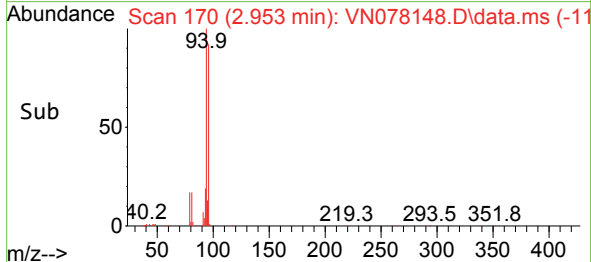
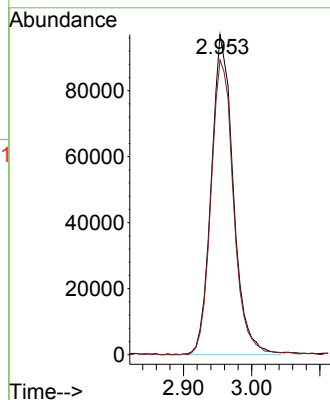
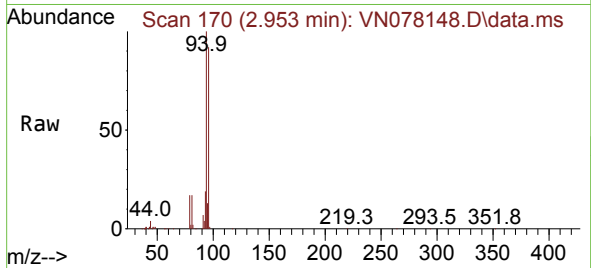




#5  
Bromomethane  
Concen: 46.076 ug/l  
RT: 2.953 min Scan# 170  
Delta R.T. 0.000 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

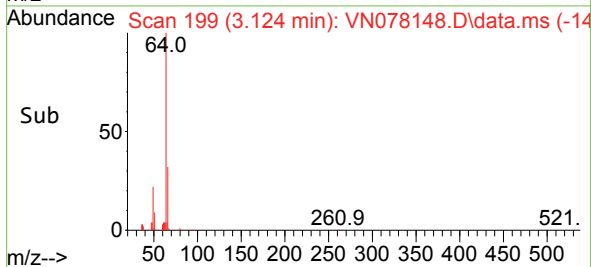
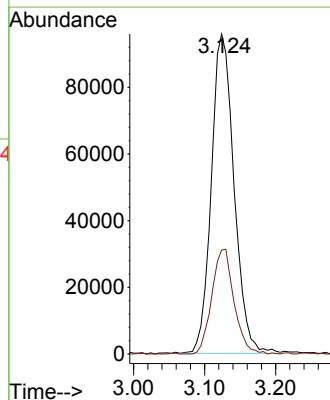
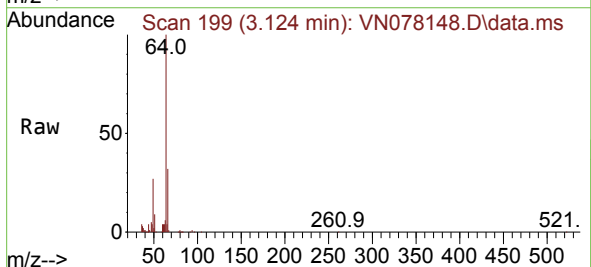
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-RW11-GW-698-700MS

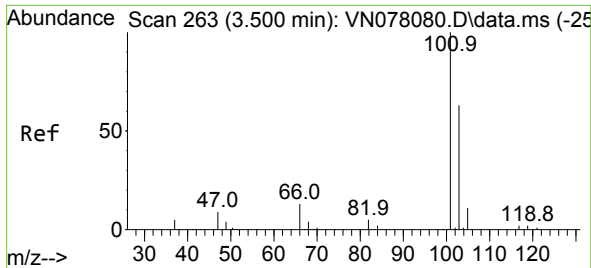
Tgt Ion: 94 Resp: 218134  
Ion Ratio Lower Upper  
94 100  
96 92.1 73.1 109.7



#6  
Chloroethane  
Concen: 49.801 ug/l  
RT: 3.124 min Scan# 199  
Delta R.T. 0.000 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

Tgt Ion: 64 Resp: 212670  
Ion Ratio Lower Upper  
64 100  
66 32.5 25.4 38.2

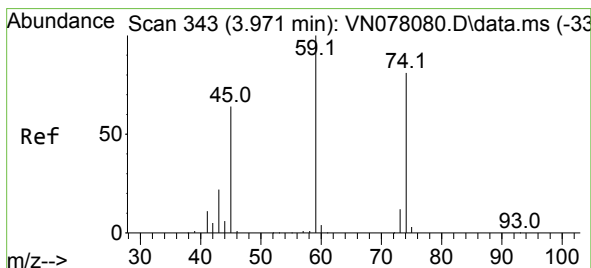
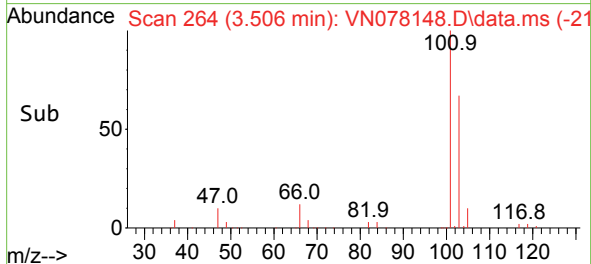
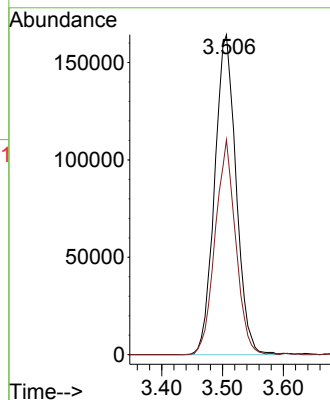
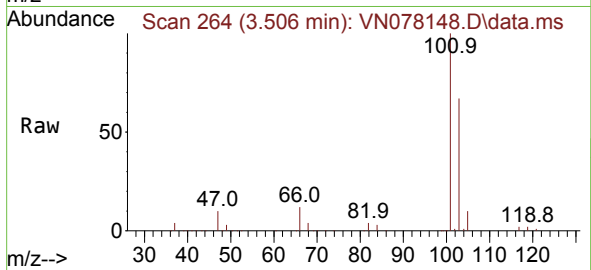




#7  
Trichlorofluoromethane  
Concen: 47.317 ug/l  
RT: 3.506 min Scan# 20  
Delta R.T. 0.006 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

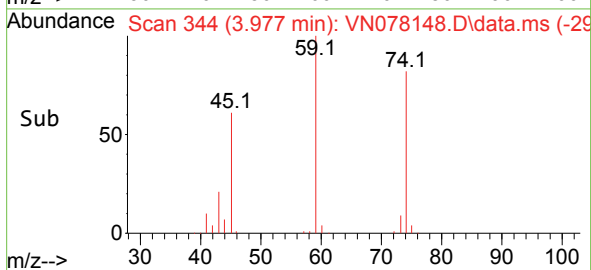
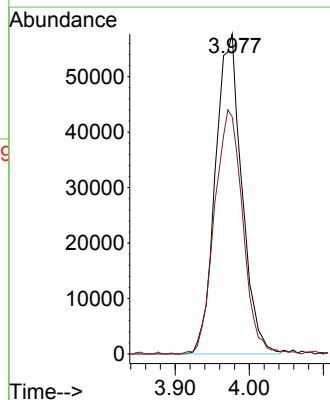
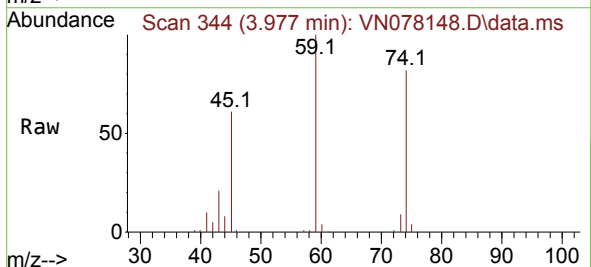
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-RW11-GW-698-700MS

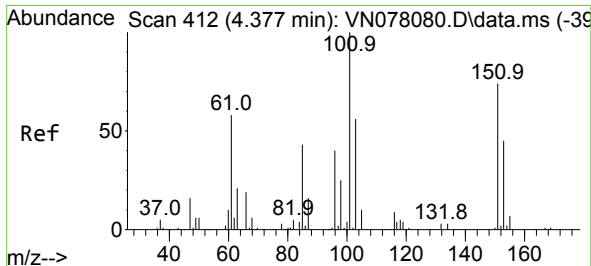
Tgt Ion:101 Resp: 401953  
Ion Ratio Lower Upper  
101 100  
103 67.2 50.7 76.1



#8  
Diethyl Ether  
Concen: 47.909 ug/l  
RT: 3.977 min Scan# 344  
Delta R.T. 0.006 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

Tgt Ion: 74 Resp: 143002  
Ion Ratio Lower Upper  
74 100  
45 81.5 34.4 103.3

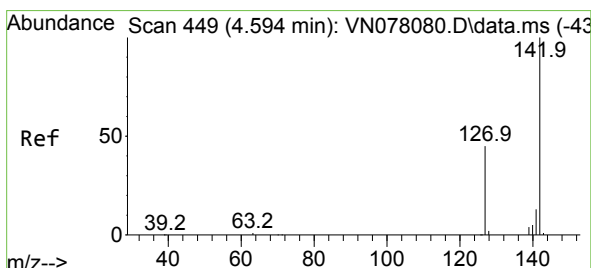
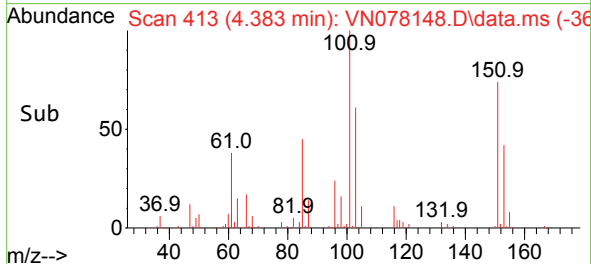
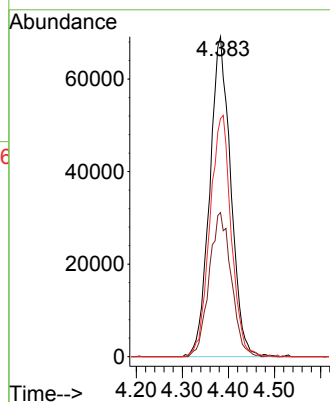
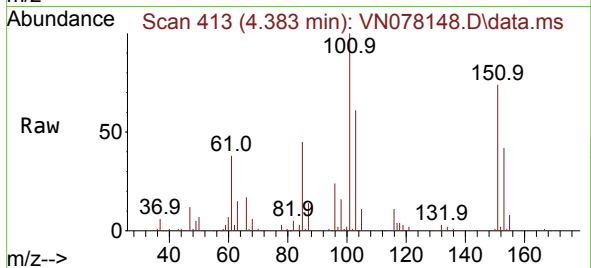




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 48.845 ug/l  
RT: 4.383 min Scan# 412  
Delta R.T. 0.006 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

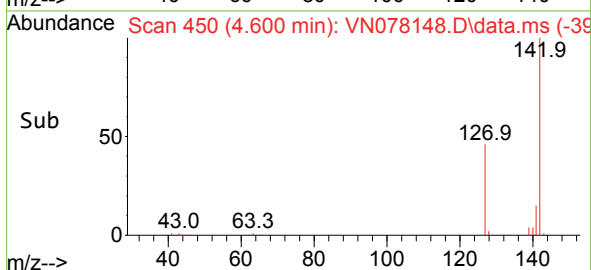
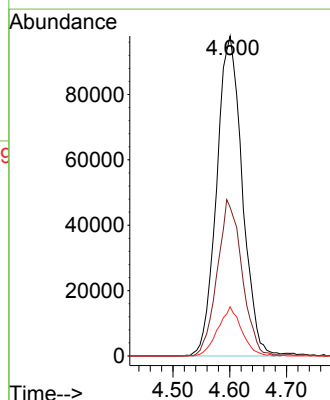
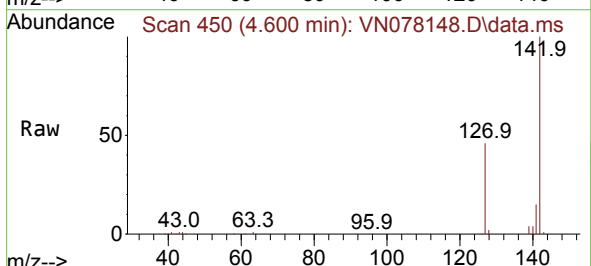
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-RW11-GW-698-700MS

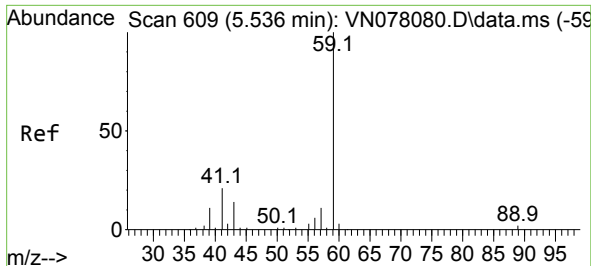
Tgt Ion:101 Resp: 218982  
Ion Ratio Lower Upper  
101 100  
85 47.3 36.6 55.0  
151 76.6 57.6 86.4



#10  
Methyl Iodide  
Concen: 48.295 ug/l  
RT: 4.600 min Scan# 450  
Delta R.T. 0.006 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

Tgt Ion:142 Resp: 306199  
Ion Ratio Lower Upper  
142 100  
127 46.5 37.6 56.4  
141 15.4 11.4 17.0

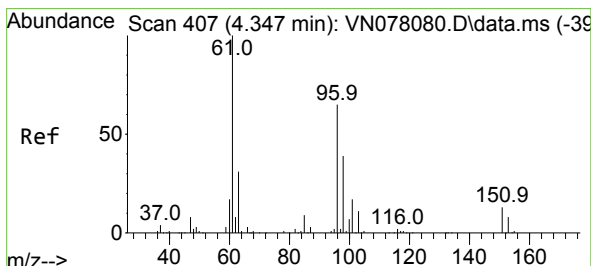
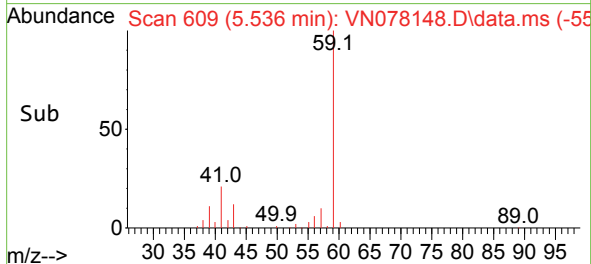
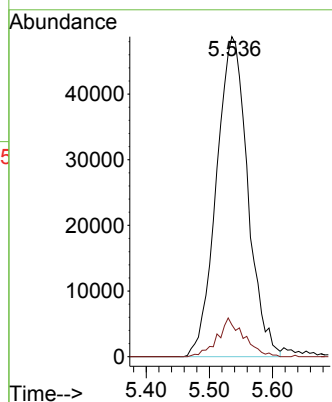
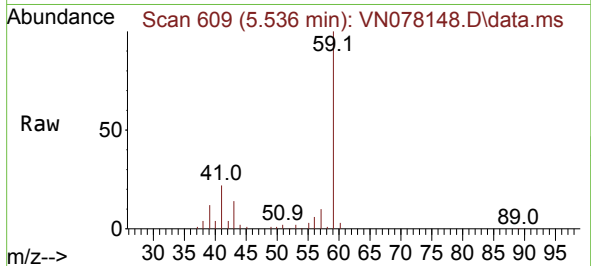




#11  
Tert butyl alcohol  
Concen: 215.302 ug/l  
RT: 5.536 min Scan# 609  
Delta R.T. 0.000 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

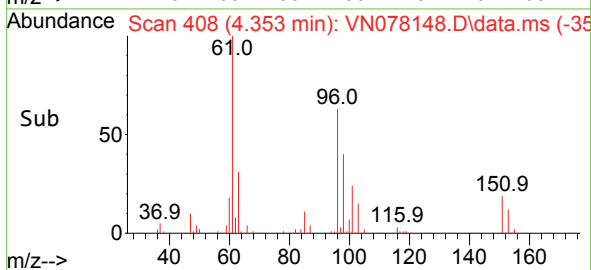
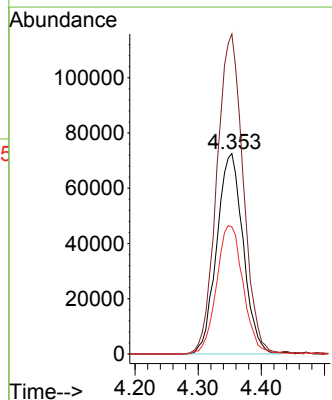
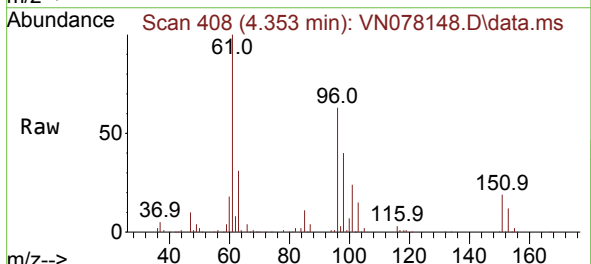
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-RW11-GW-698-700MS

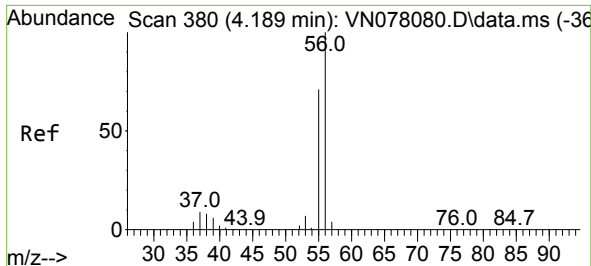
Tgt Ion: 59 Resp: 167750  
Ion Ratio Lower Upper  
59 100  
57 10.2 8.2 12.4



#12  
1,1-Dichloroethene  
Concen: 45.578 ug/l  
RT: 4.353 min Scan# 408  
Delta R.T. 0.006 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

Tgt Ion: 96 Resp: 210637  
Ion Ratio Lower Upper  
96 100  
61 159.8 112.7 169.1  
98 63.5 51.2 76.8

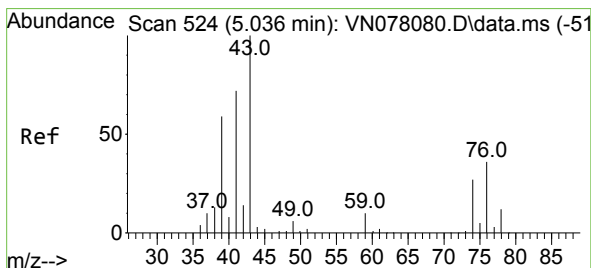
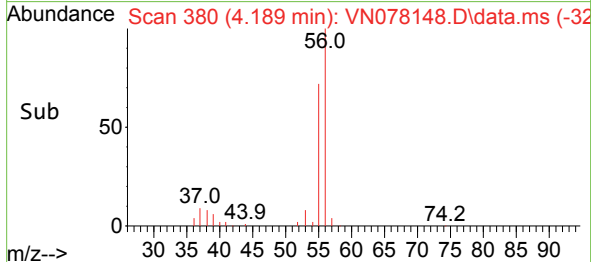
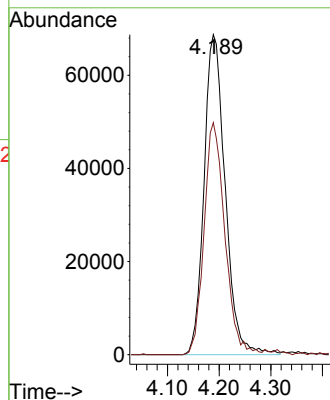
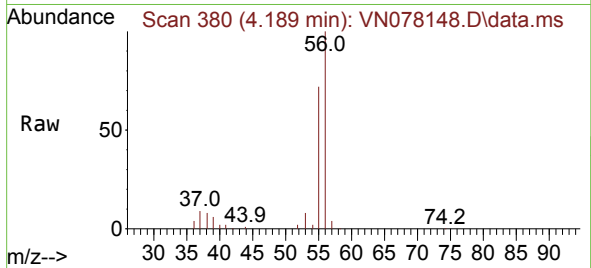




#13  
Acrolein  
Concen: 227.092 ug/l  
RT: 4.189 min Scan# 380  
Delta R.T. 0.000 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

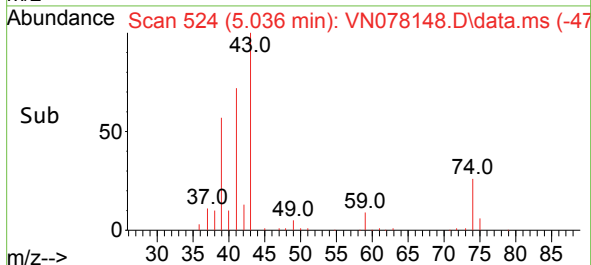
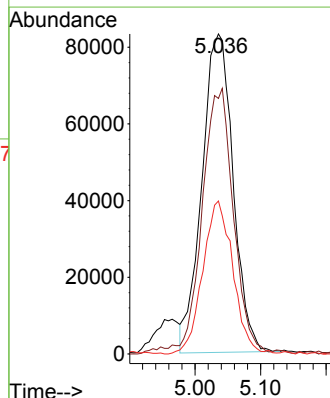
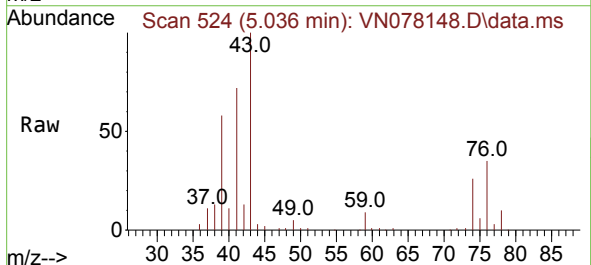
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-RW11-GW-698-700MS

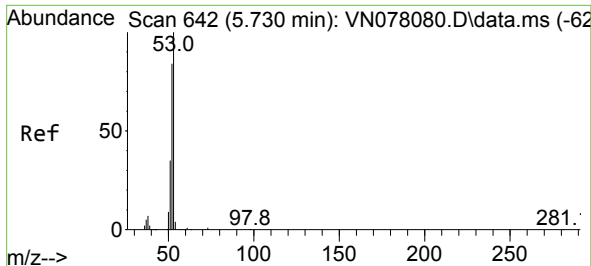
Tgt Ion: 56 Resp: 195007  
Ion Ratio Lower Upper  
56 100  
55 71.4 54.5 81.7



#14  
Allyl chloride  
Concen: 48.767 ug/l  
RT: 5.036 min Scan# 524  
Delta R.T. 0.000 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

Tgt Ion: 41 Resp: 275114  
Ion Ratio Lower Upper  
41 100  
39 84.2 58.8 88.2  
76 46.4 39.1 58.7

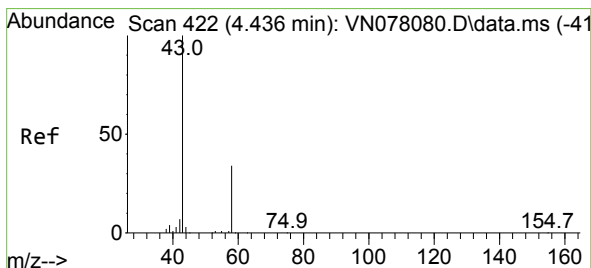
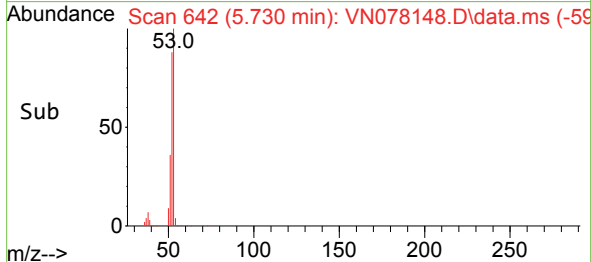
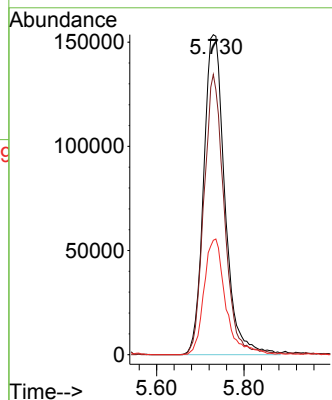
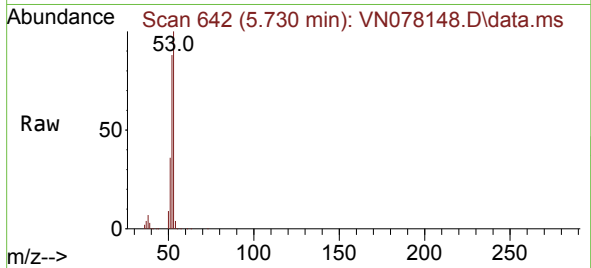




#15  
Acrylonitrile  
Concen: 258.205 ug/l  
RT: 5.730 min Scan# 642  
Delta R.T. 0.000 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

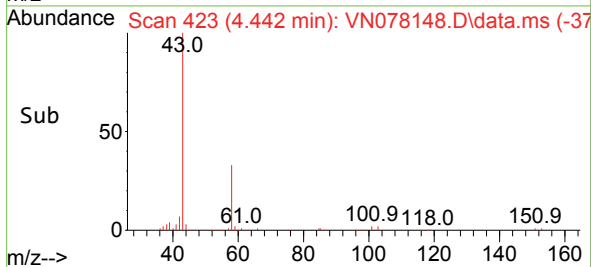
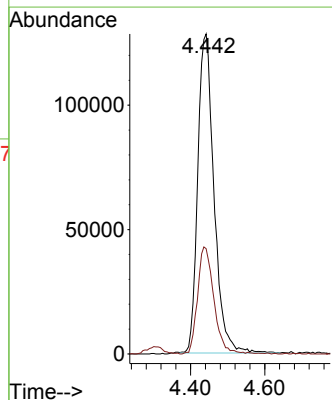
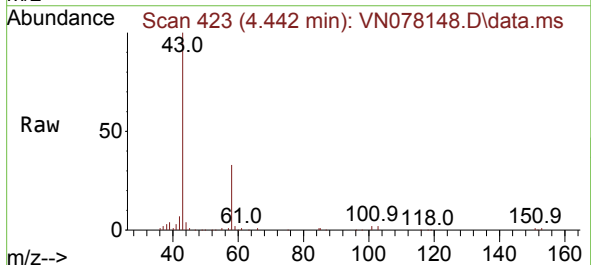
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-RW11-GW-698-700MS

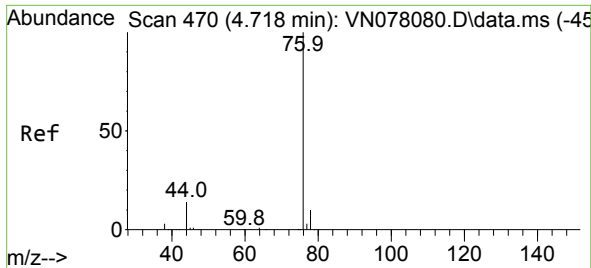
Tgt Ion: 53 Resp: 518668  
Ion Ratio Lower Upper  
53 100  
52 83.7 65.3 97.9  
51 36.9 28.9 43.3



#16  
Acetone  
Concen: 239.834 ug/l  
RT: 4.442 min Scan# 423  
Delta R.T. 0.006 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

Tgt Ion: 43 Resp: 389533  
Ion Ratio Lower Upper  
43 100  
58 33.0 28.0 42.0

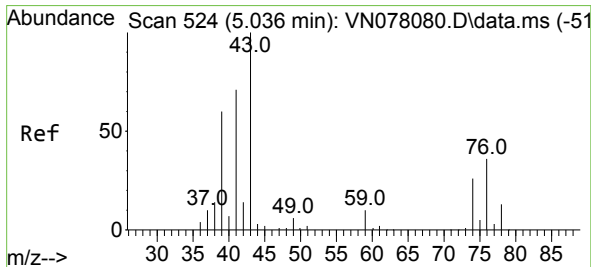
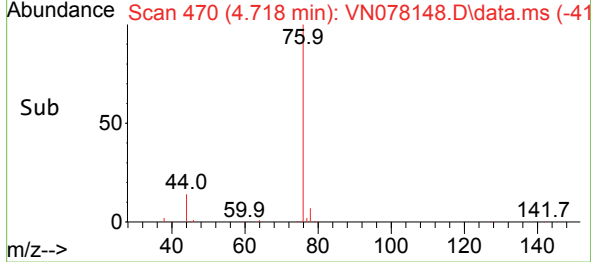
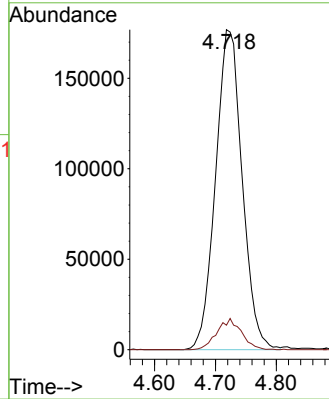
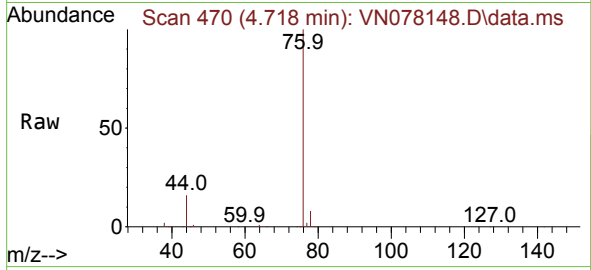




#17  
Carbon Disulfide  
Concen: 45.165 ug/l  
RT: 4.718 min Scan# 470  
Delta R.T. 0.000 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

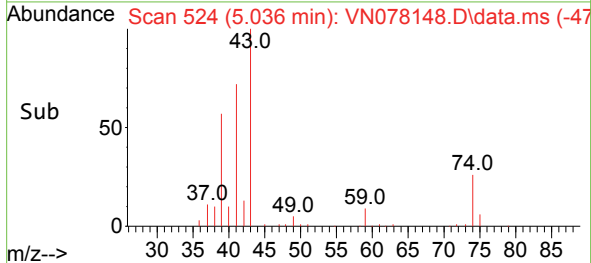
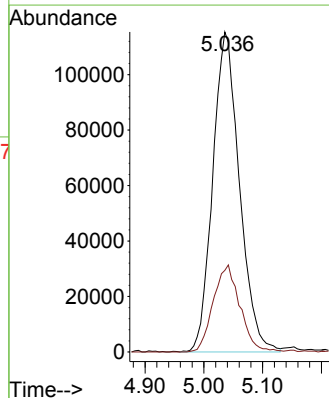
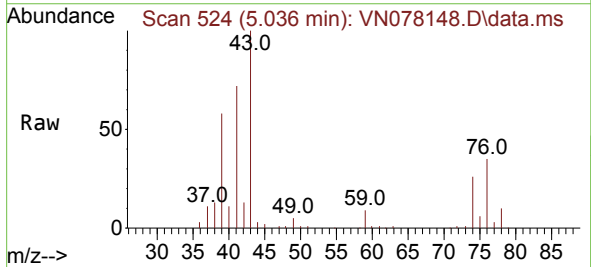
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-RW11-GW-698-700MS

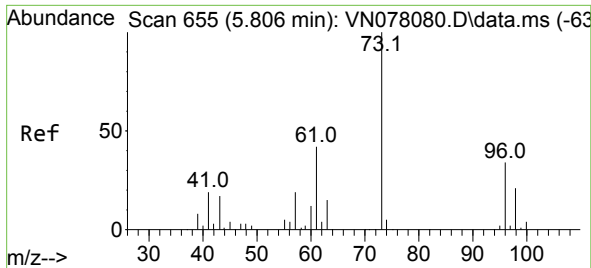
Tgt Ion: 76 Resp: 537256  
Ion Ratio Lower Upper  
76 100  
78 7.7 7.4 11.0



#18  
Methyl Acetate  
Concen: 48.669 ug/l  
RT: 5.036 min Scan# 524  
Delta R.T. 0.000 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

Tgt Ion: 43 Resp: 363928  
Ion Ratio Lower Upper  
43 100  
74 27.2 26.2 39.4

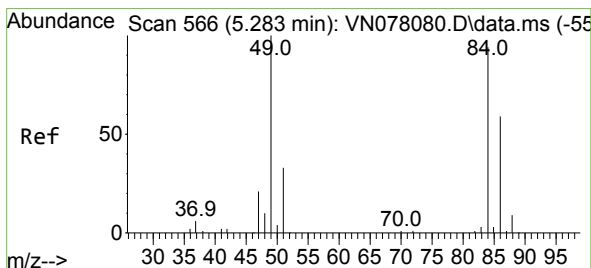
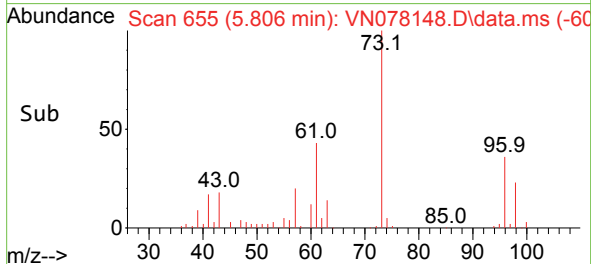
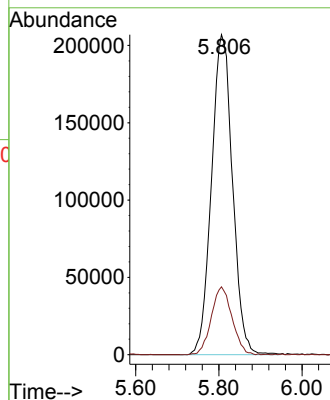
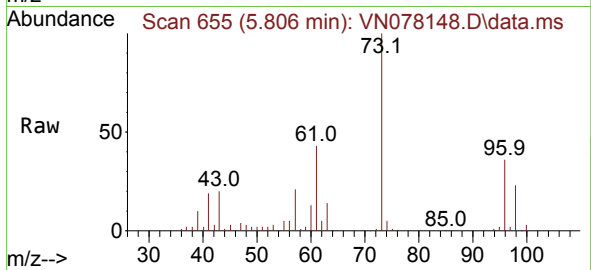




#19  
Methyl tert-butyl Ether  
Concen: 49.250 ug/l  
RT: 5.806 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

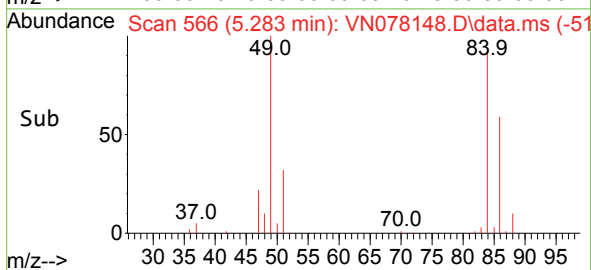
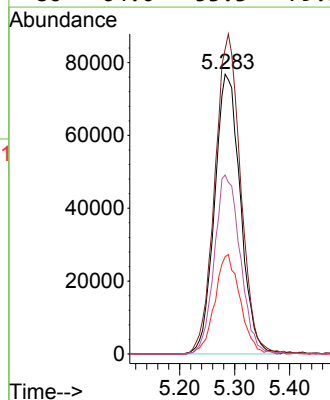
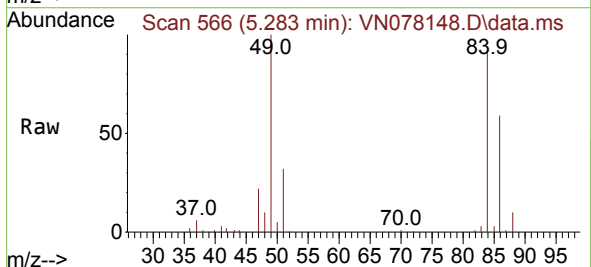
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-RW11-GW-698-700MS

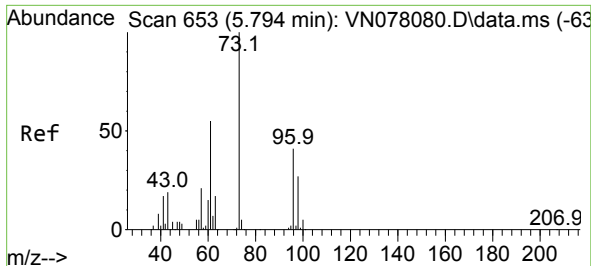
Tgt Ion: 73 Resp: 726201  
Ion Ratio Lower Upper  
73 100  
57 21.2 15.6 23.4



#20  
Methylene Chloride  
Concen: 46.652 ug/l  
RT: 5.283 min Scan# 566  
Delta R.T. 0.000 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

Tgt Ion: 84 Resp: 250390  
Ion Ratio Lower Upper  
84 100  
49 109.0 79.7 119.5  
51 34.8 25.2 37.8  
86 64.0 53.3 79.9

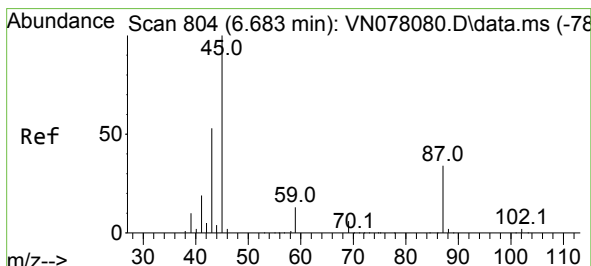
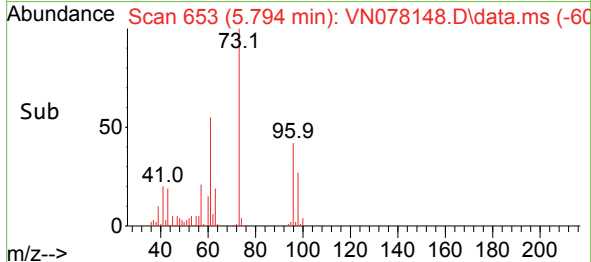
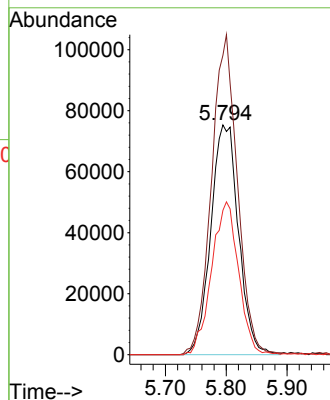
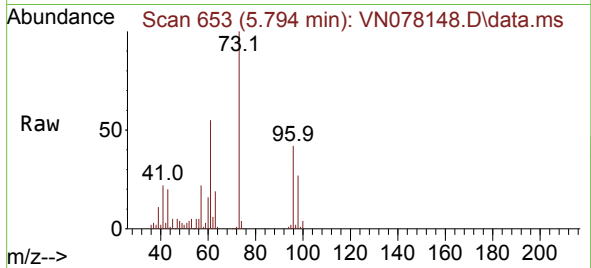




#21  
trans-1,2-Dichloroethene  
Concen: 47.740 ug/l  
RT: 5.794 min Scan# 611  
Delta R.T. 0.000 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

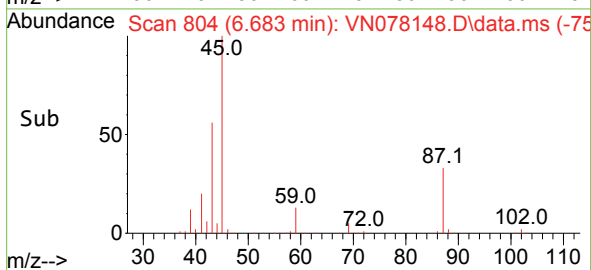
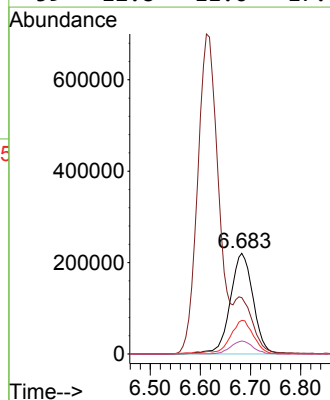
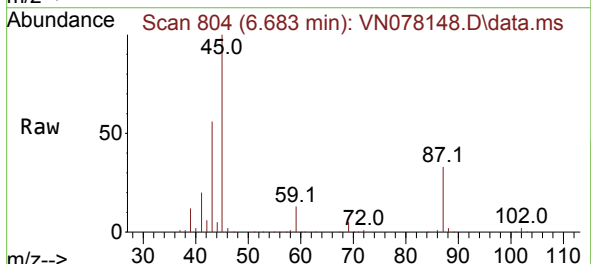
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-RW11-GW-698-700MS

Tgt Ion: 96 Resp: 237961  
Ion Ratio Lower Upper  
96 100  
61 130.3 90.1 135.1  
98 62.8 46.4 69.6



#22  
Diisopropyl ether  
Concen: 52.519 ug/l  
RT: 6.683 min Scan# 804  
Delta R.T. 0.000 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

Tgt Ion: 45 Resp: 696932  
Ion Ratio Lower Upper  
45 100  
43 54.6 45.5 68.3  
87 33.0 31.8 47.8  
59 12.8 11.6 17.4

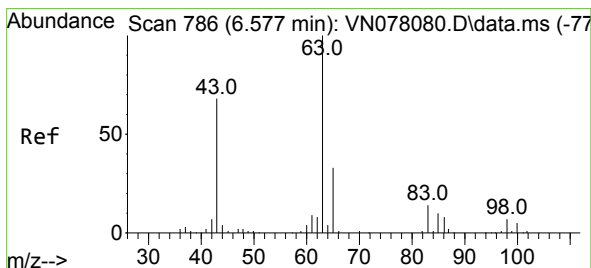
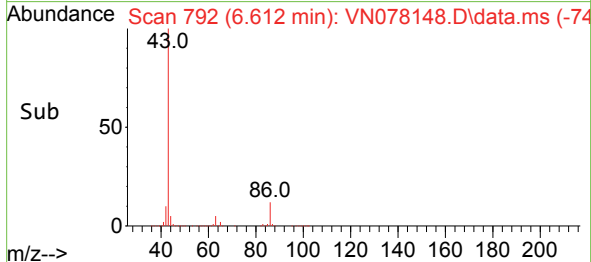
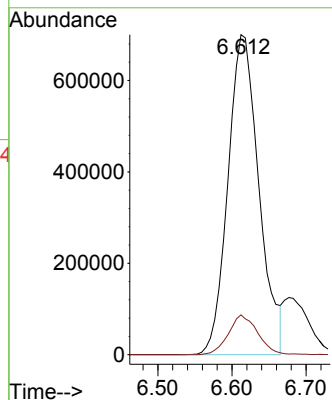
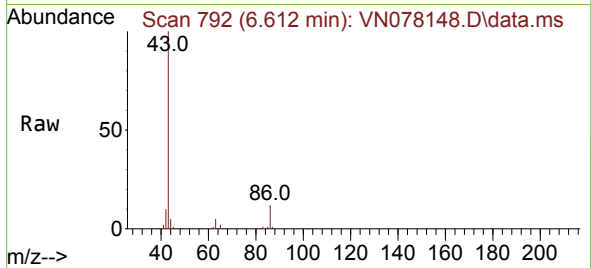




#23  
 Vinyl Acetate  
 Concen: 257.694 ug/l  
 RT: 6.612 min Scan# 792  
 Delta R.T. 0.000 min  
 Lab File: VN078148.D  
 Acq: 09 Jun 2023 16:10

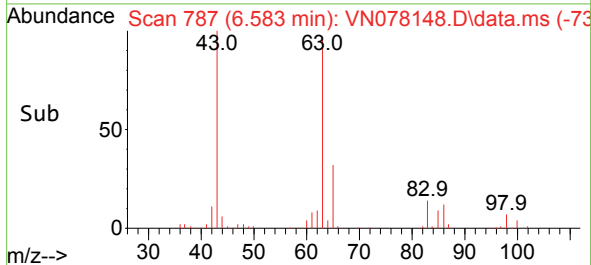
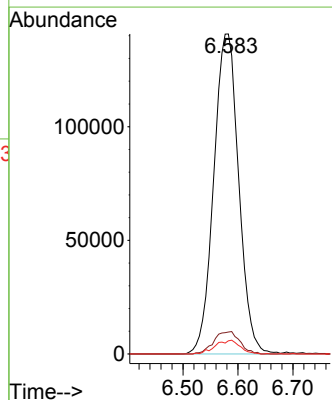
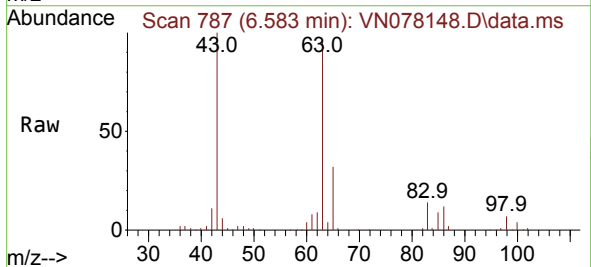
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BP-VPB-RW11-GW-698-700MS

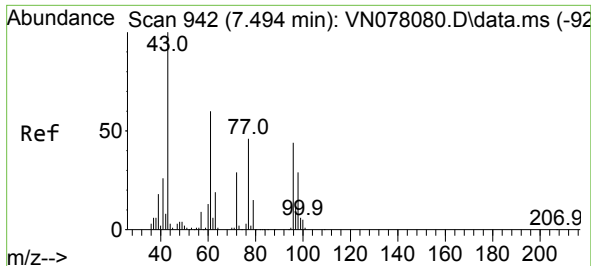
Tgt Ion: 43 Resp: 2032751  
 Ion Ratio Lower Upper  
 43 100  
 86 12.4 13.0 19.6#



#24  
 1,1-Dichloroethane  
 Concen: 50.700 ug/l  
 RT: 6.583 min Scan# 787  
 Delta R.T. 0.006 min  
 Lab File: VN078148.D  
 Acq: 09 Jun 2023 16:10

Tgt Ion: 63 Resp: 443824  
 Ion Ratio Lower Upper  
 63 100  
 98 6.9 3.9 11.7  
 100 4.1 2.5 7.4

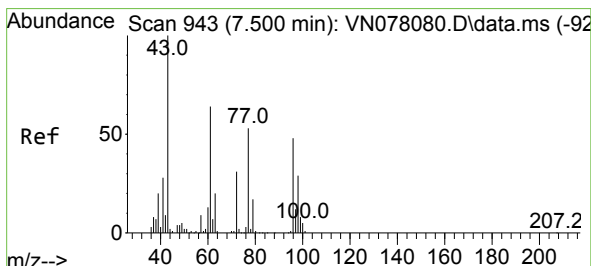
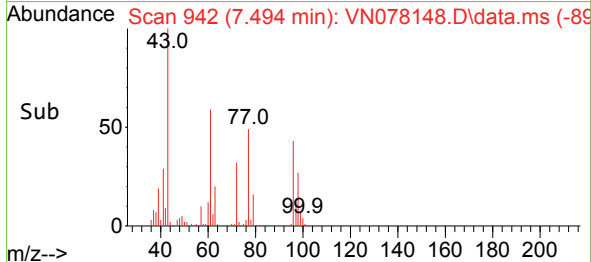
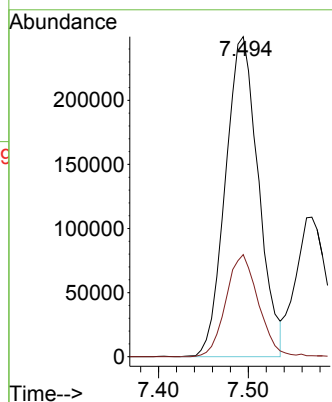
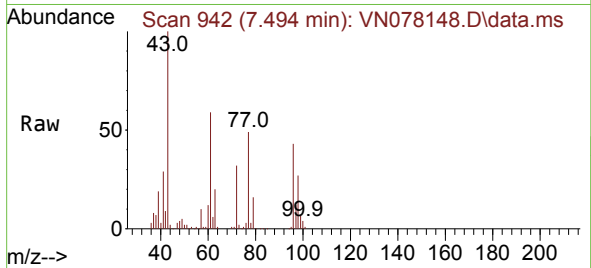




#25  
2-Butanone  
Concen: 255.145 ug/l  
RT: 7.494 min Scan# 942  
Delta R.T. 0.000 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

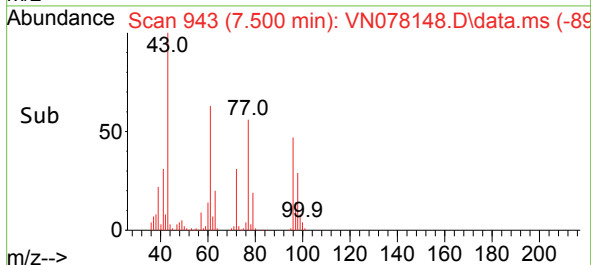
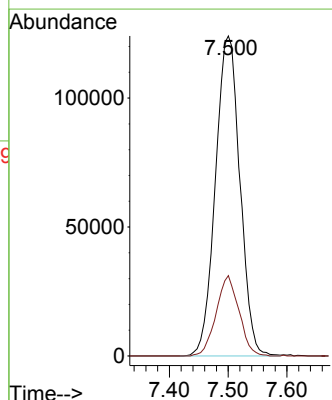
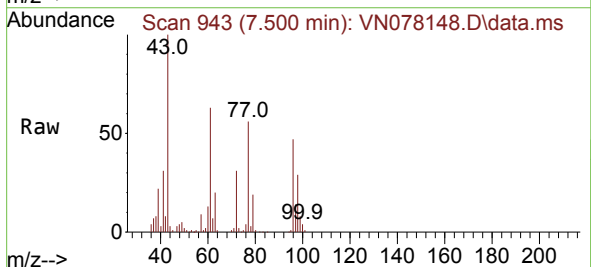
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-RW11-GW-698-700MS

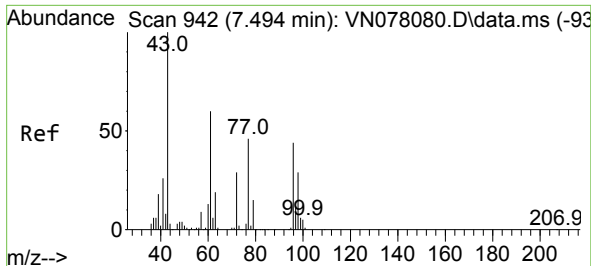
Tgt Ion: 43 Resp: 637259  
Ion Ratio Lower Upper  
43 100  
72 31.9 30.2 45.2



#26  
2,2-Dichloropropane  
Concen: 55.541 ug/l  
RT: 7.500 min Scan# 943  
Delta R.T. 0.000 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

Tgt Ion: 77 Resp: 358995  
Ion Ratio Lower Upper  
77 100  
97 23.4 11.2 33.6

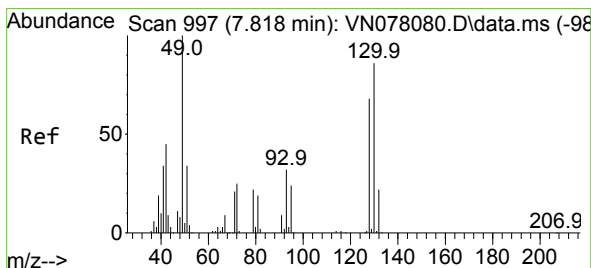
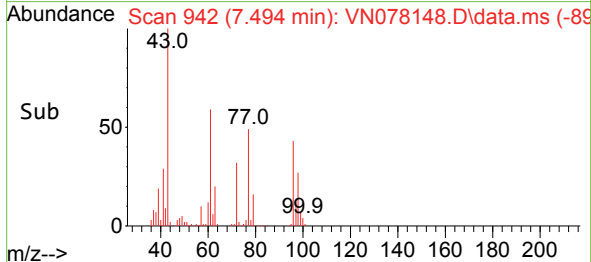
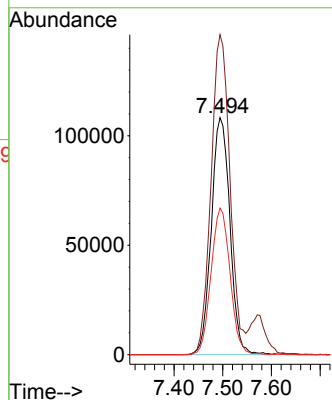
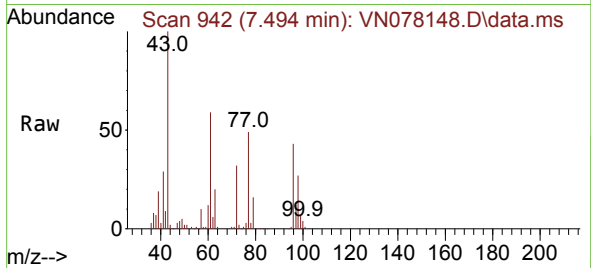




#27  
 cis-1,2-Dichloroethene  
 Concen: 48.462 ug/l  
 RT: 7.494 min Scan# 942  
 Delta R.T. 0.000 min  
 Lab File: VN078148.D  
 Acq: 09 Jun 2023 16:10

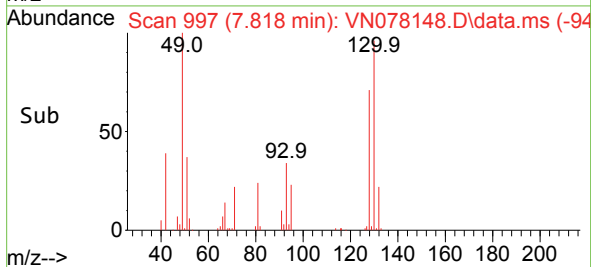
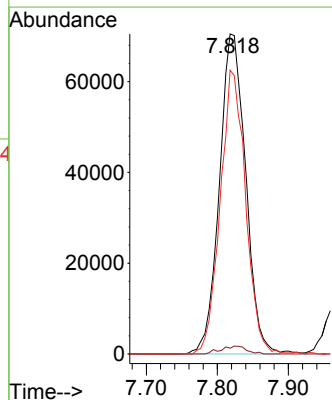
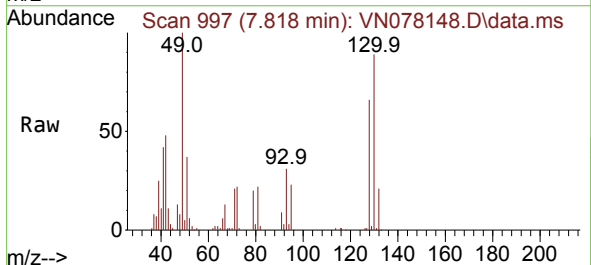
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BP-VPB-RW11-GW-698-700MS

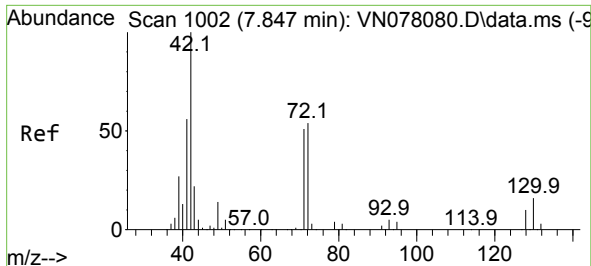
Tgt Ion: 96 Resp: 288140  
 Ion Ratio Lower Upper  
 96 100  
 61 137.5 0.0 255.2  
 98 63.0 0.0 128.8



#28  
 Bromochloromethane  
 Concen: 44.910 ug/l  
 RT: 7.818 min Scan# 997  
 Delta R.T. 0.000 min  
 Lab File: VN078148.D  
 Acq: 09 Jun 2023 16:10

Tgt Ion: 49 Resp: 180505  
 Ion Ratio Lower Upper  
 49 100  
 129 2.4 0.0 4.8  
 130 85.6 75.3 112.9

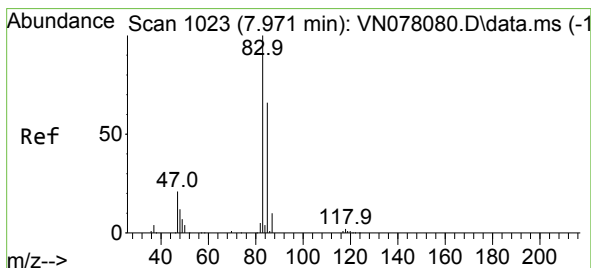
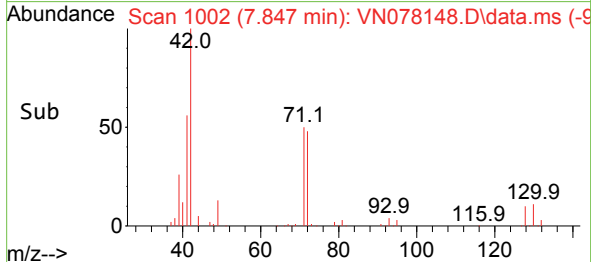
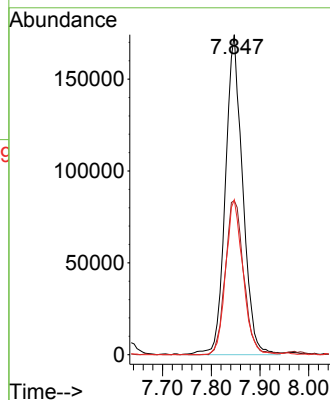
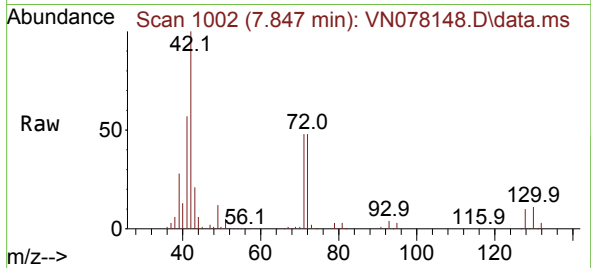




#29  
Tetrahydrofuran  
Concen: 257.795 ug/l  
RT: 7.847 min Scan# 1002  
Delta R.T. 0.000 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

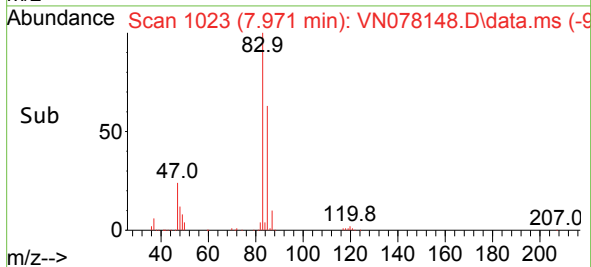
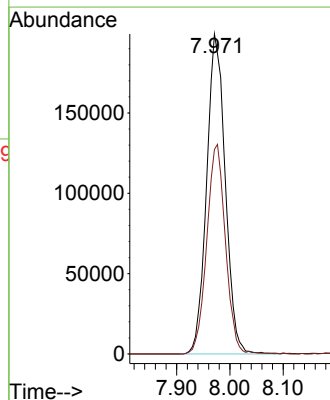
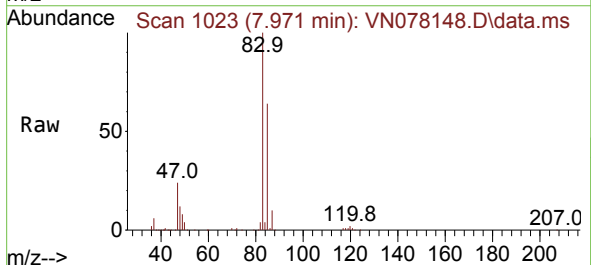
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-RW11-GW-698-700MS

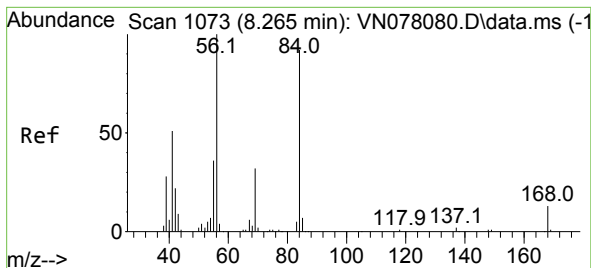
Tgt Ion: 42 Resp: 430436  
Ion Ratio Lower Upper  
42 100  
72 51.0 49.8 74.6  
71 48.5 47.4 71.2



#30  
Chloroform  
Concen: 51.406 ug/l  
RT: 7.971 min Scan# 1023  
Delta R.T. 0.000 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

Tgt Ion: 83 Resp: 484567  
Ion Ratio Lower Upper  
83 100  
85 63.9 55.4 83.0

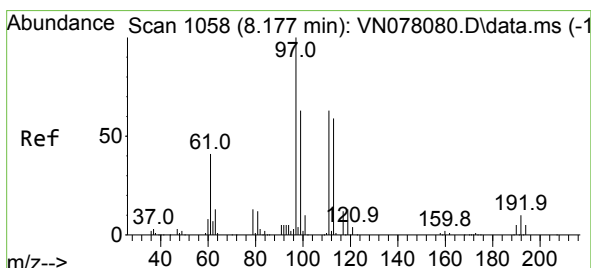
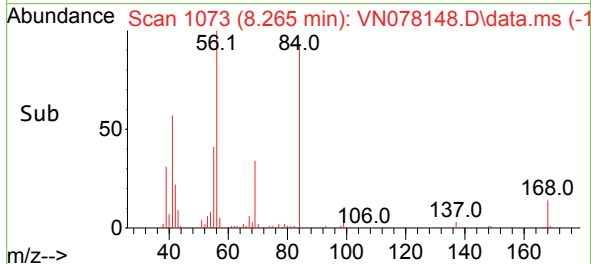
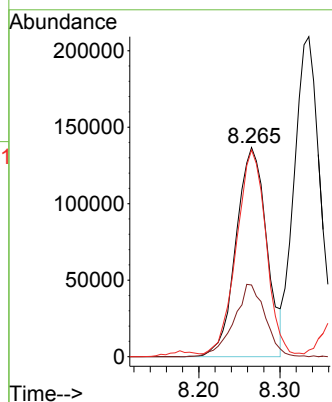
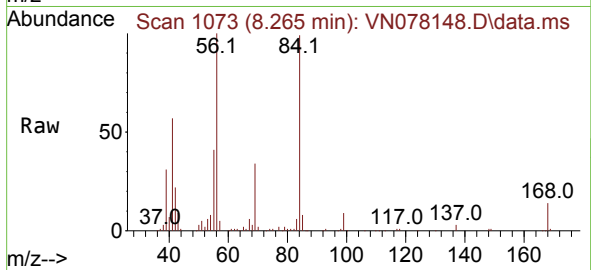




#31  
Cyclohexane  
Concen: 49.448 ug/l  
RT: 8.265 min Scan# 1073  
Delta R.T. 0.000 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

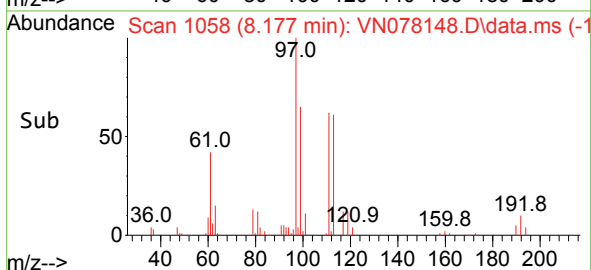
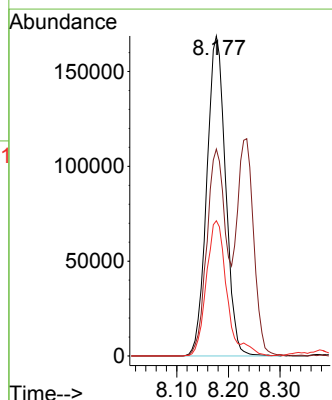
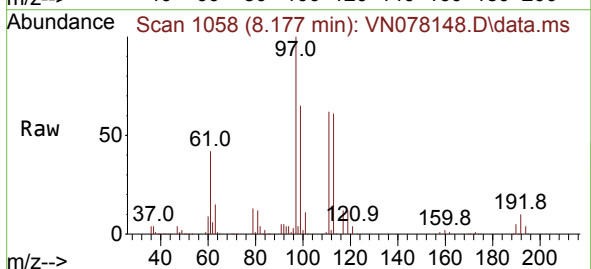
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-RW11-GW-698-700MS

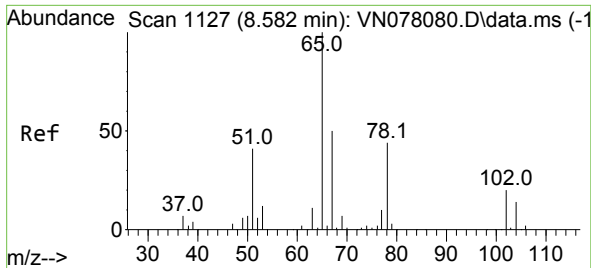
Tgt Ion: 56 Resp: 357923  
Ion Ratio Lower Upper  
56 100  
69 34.3 26.8 40.2  
84 96.1 81.8 122.6



#32  
1,1,1-Trichloroethane  
Concen: 51.481 ug/l  
RT: 8.177 min Scan# 1058  
Delta R.T. -0.000 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

Tgt Ion: 97 Resp: 426038  
Ion Ratio Lower Upper  
97 100  
99 66.4 50.3 75.5  
61 46.2 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 51.155 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN078148.D

Acq: 09 Jun 2023 16:10

Instrument :

MSVOA\_N

ClientSampleId :

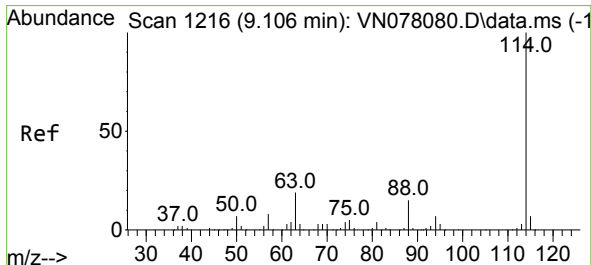
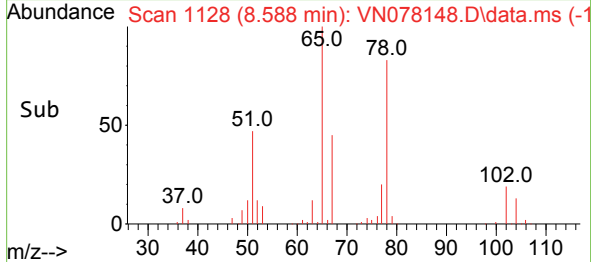
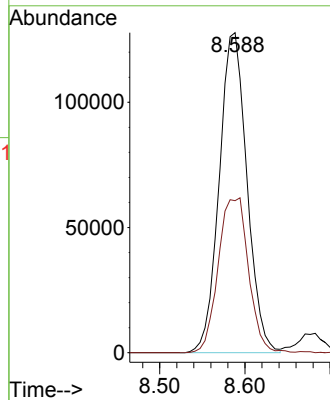
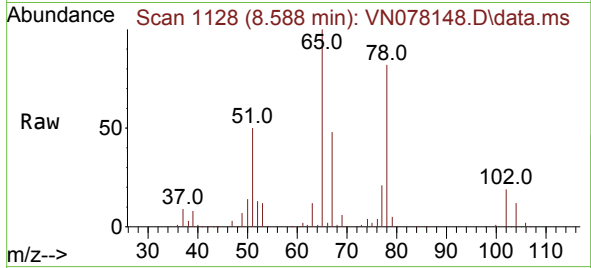
BP-VPB-RW11-GW-698-700MS

Tgt Ion: 65 Resp: 288651

Ion Ratio Lower Upper

65 100

67 52.7 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN078148.D

Acq: 09 Jun 2023 16:10

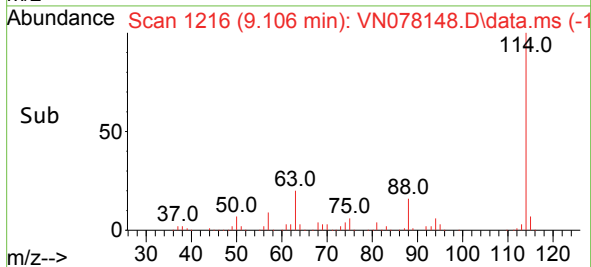
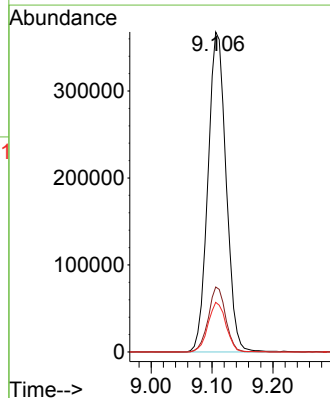
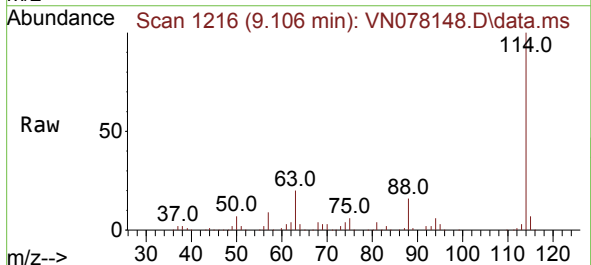
Tgt Ion: 114 Resp: 761519

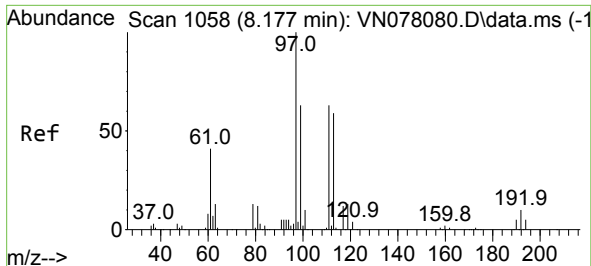
Ion Ratio Lower Upper

114 100

63 20.3 0.0 36.4

88 15.5 0.0 30.6

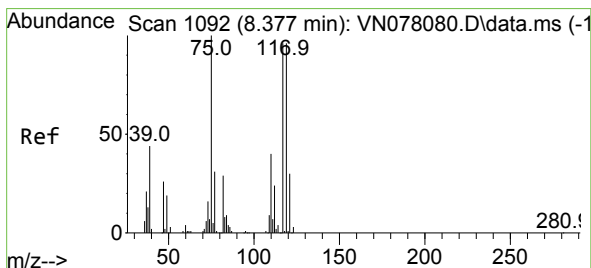
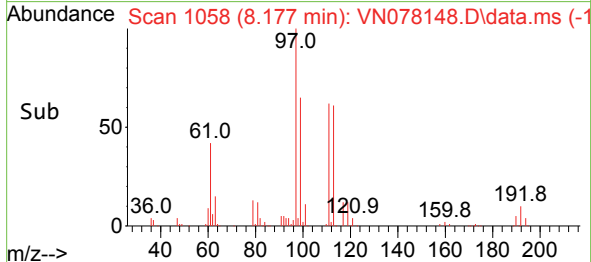
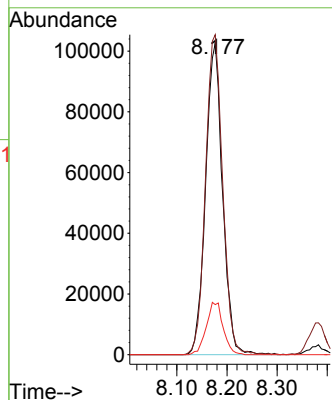
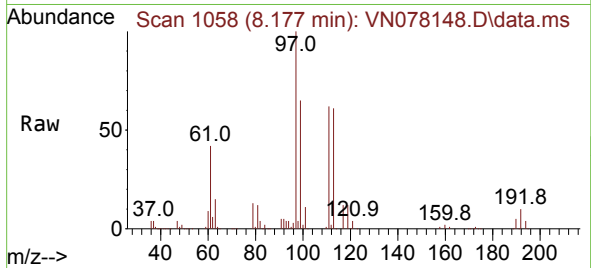




#35  
Dibromofluoromethane  
Concen: 50.120 ug/l  
RT: 8.177 min Scan# 1058  
Delta R.T. 0.000 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

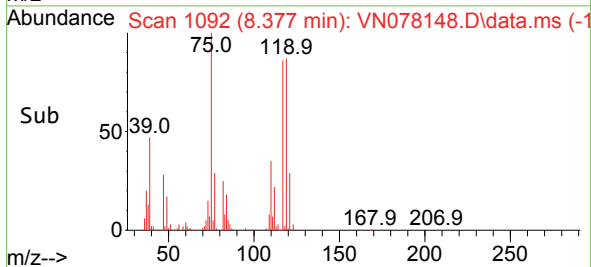
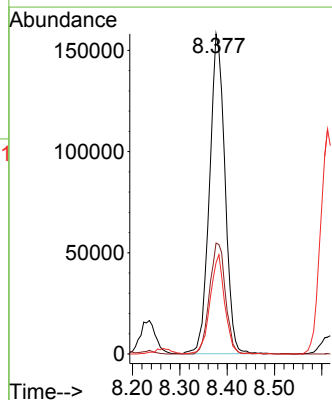
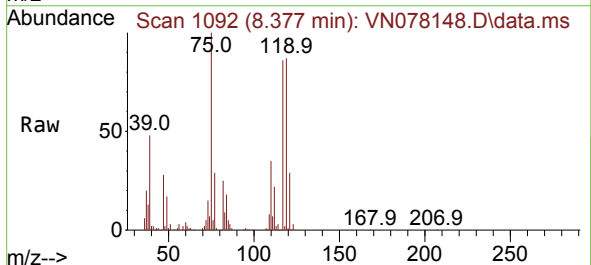
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-RW11-GW-698-700MS

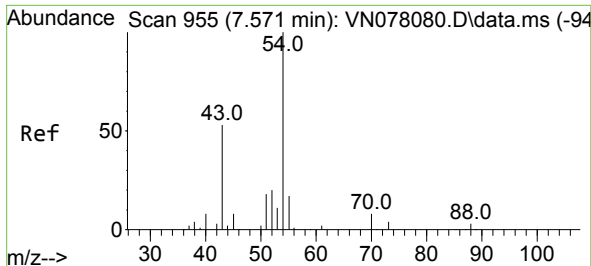
Tgt Ion:113 Resp: 241327  
Ion Ratio Lower Upper  
113 100  
111 103.9 82.6 123.8  
192 16.7 12.7 19.1



#36  
1,1-Dichloropropene  
Concen: 51.744 ug/l  
RT: 8.377 min Scan# 1092  
Delta R.T. 0.000 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

Tgt Ion: 75 Resp: 357369  
Ion Ratio Lower Upper  
75 100  
110 35.7 19.1 57.3  
77 29.4 25.0 37.4





#37

Ethyl Acetate

Concen: 51.139 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN078148.D

Acq: 09 Jun 2023 16:10

Instrument :

MSVOA\_N

ClientSampleId :

BP-VPB-RW11-GW-698-700MS

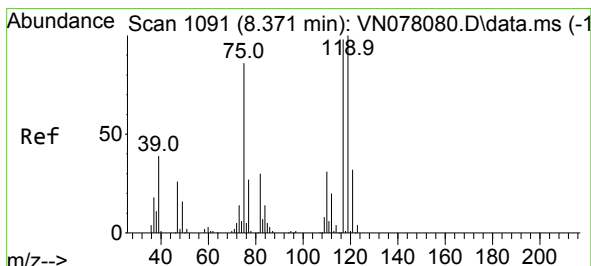
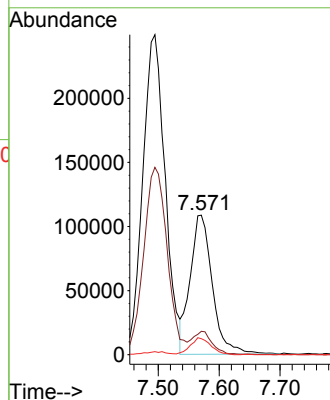
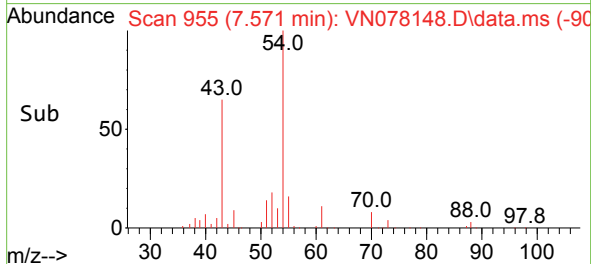
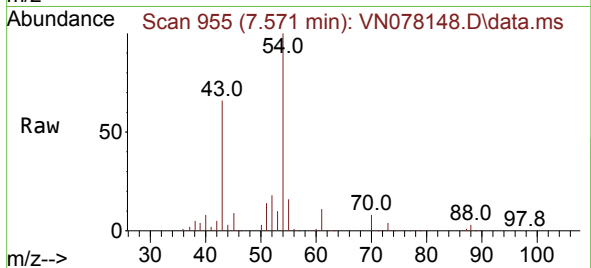
Tgt Ion: 43 Resp: 275916

Ion Ratio Lower Upper

43 100

61 14.3 13.2 19.8

70 11.1 11.3 16.9#



#38

Carbon Tetrachloride

Concen: 52.177 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.000 min

Lab File: VN078148.D

Acq: 09 Jun 2023 16:10

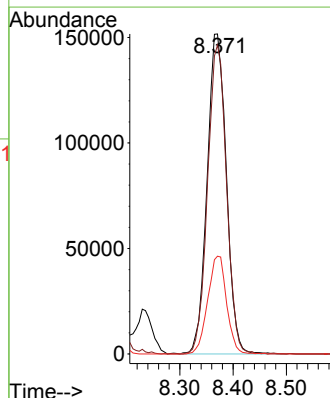
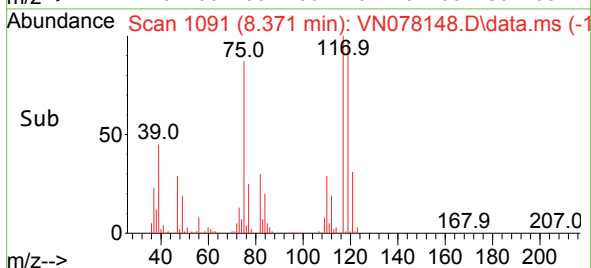
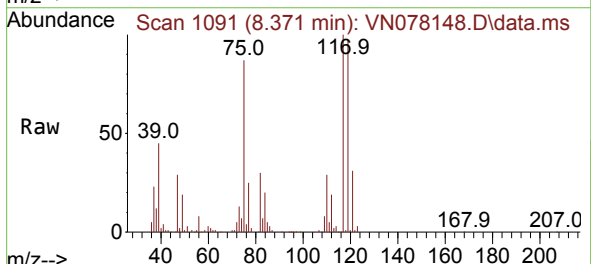
Tgt Ion: 117 Resp: 380507

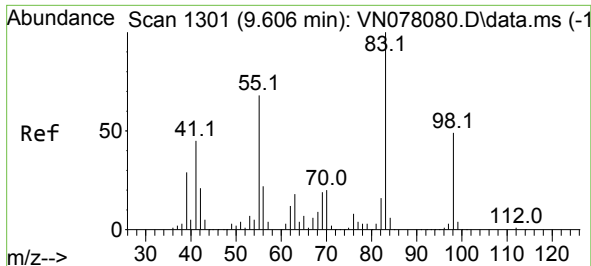
Ion Ratio Lower Upper

117 100

119 96.5 77.3 115.9

121 30.5 23.3 34.9





#39

Methylcyclohexane

Concen: 51.768 ug/l

RT: 9.606 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN078148.D

Acq: 09 Jun 2023 16:10

Instrument :

MSVOA\_N

ClientSampleId :

BP-VPB-RW11-GW-698-700MS

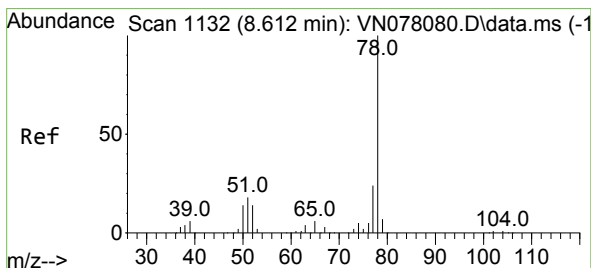
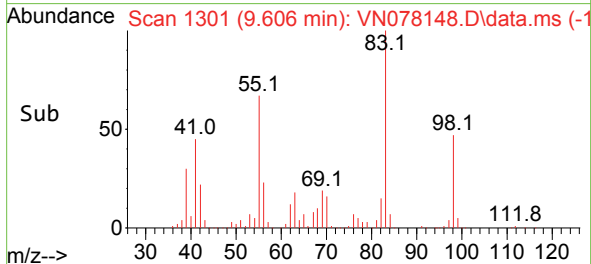
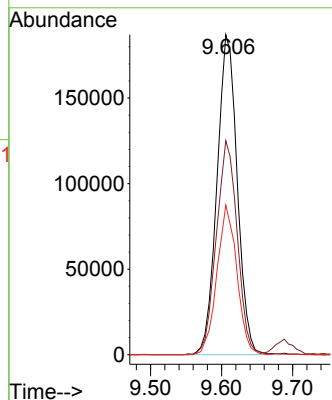
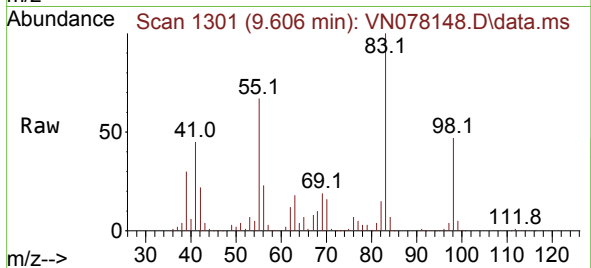
Tgt Ion: 83 Resp: 370527

Ion Ratio Lower Upper

83 100

55 66.8 49.1 73.7

98 46.8 40.6 61.0



#40

Benzene

Concen: 51.385 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VN078148.D

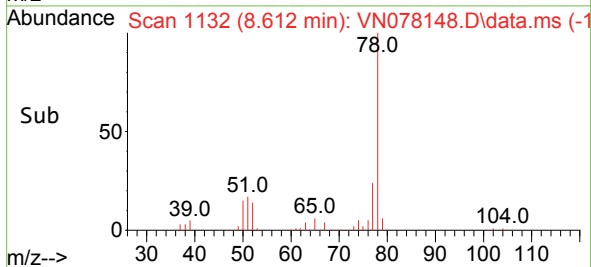
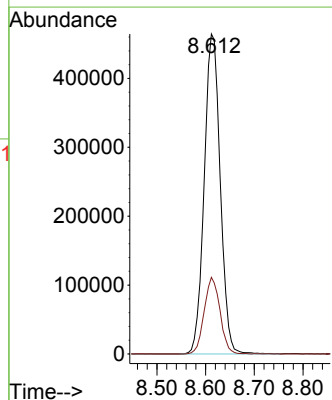
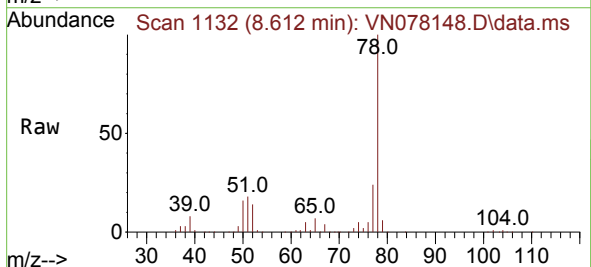
Acq: 09 Jun 2023 16:10

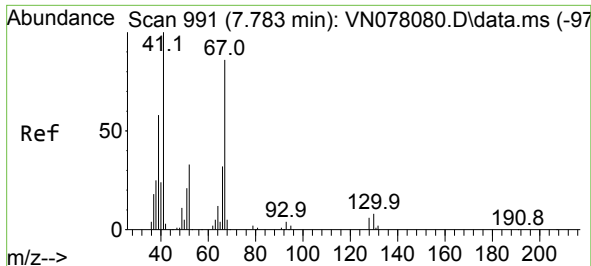
Tgt Ion: 78 Resp: 1059508

Ion Ratio Lower Upper

78 100

77 23.9 19.0 28.6

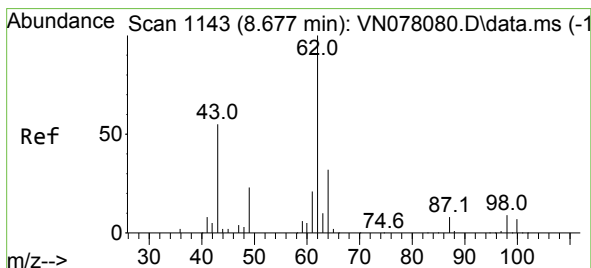
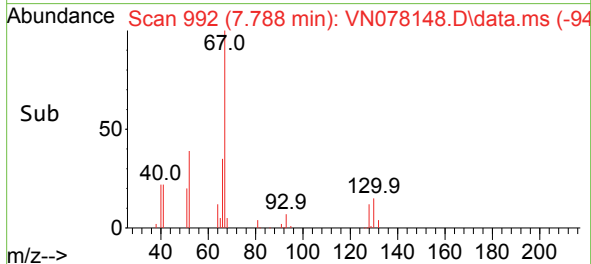
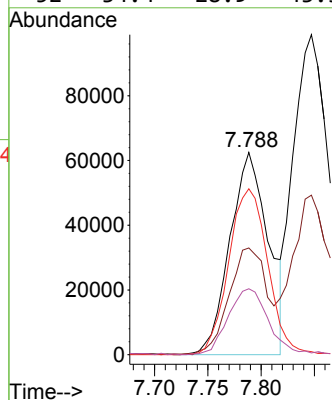
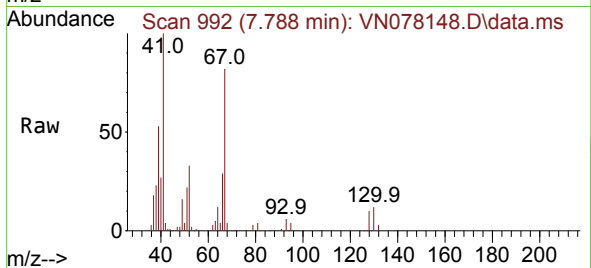




#41  
Methacrylonitrile  
Concen: 53.765 ug/l  
RT: 7.788 min Scan# 991  
Delta R.T. 0.006 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

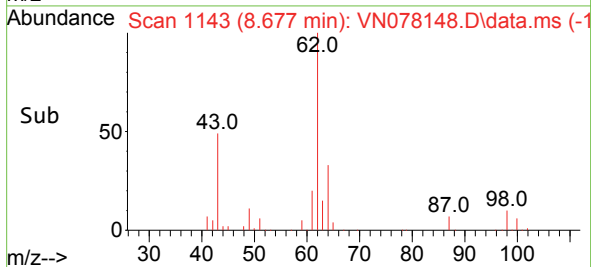
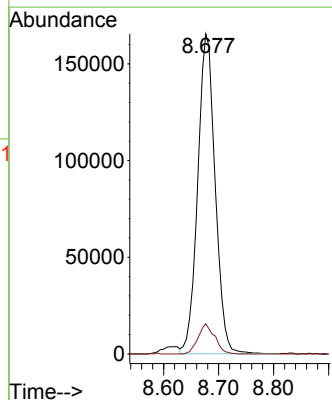
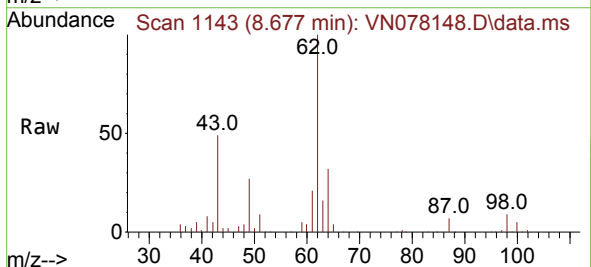
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-RW11-GW-698-700MS

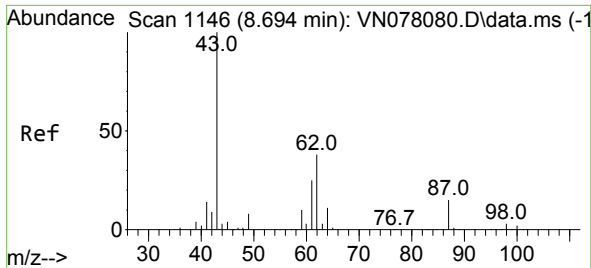
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 157235 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 50.7  | 42.6  | 64.0   |
| 67       | 83.5  | 77.5  | 116.3  |
| 52       | 34.4  | 28.9  | 43.3   |



#42  
1,2-Dichloroethane  
Concen: 51.579 ug/l  
RT: 8.677 min Scan# 1143  
Delta R.T. 0.000 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 364641 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 9.0   | 0.0   | 19.8   |

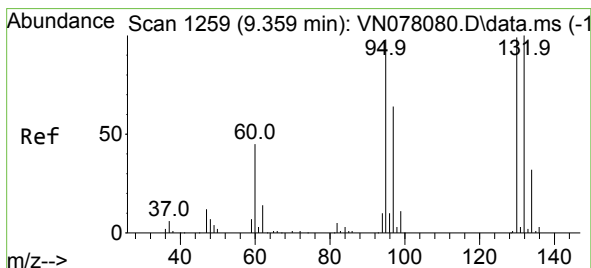
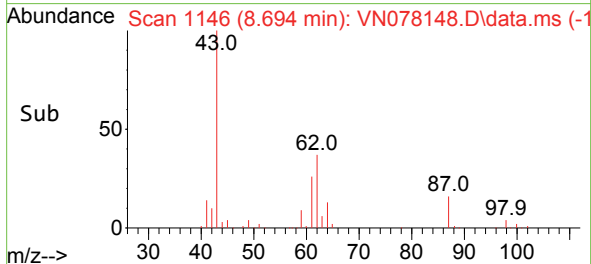
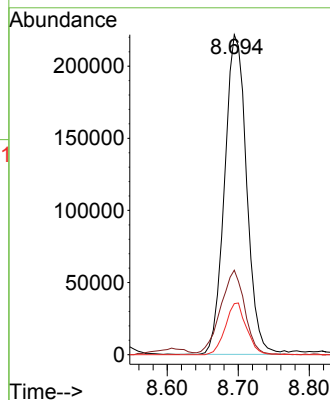
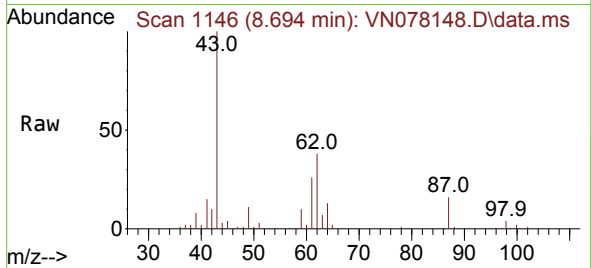




#43  
Isopropyl Acetate  
Concen: 46.169 ug/l  
RT: 8.694 min Scan# 1146  
Delta R.T. 0.000 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

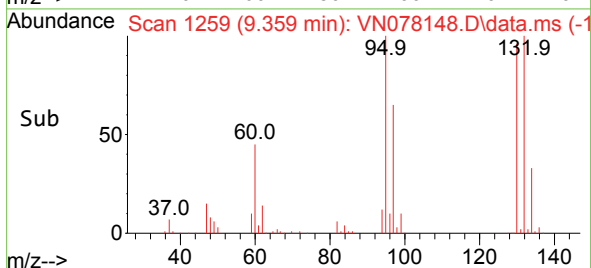
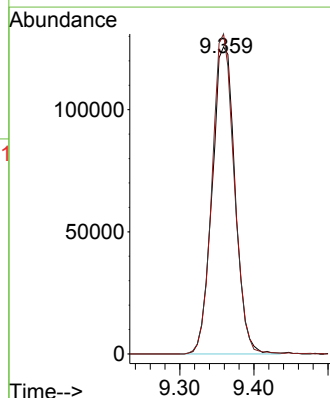
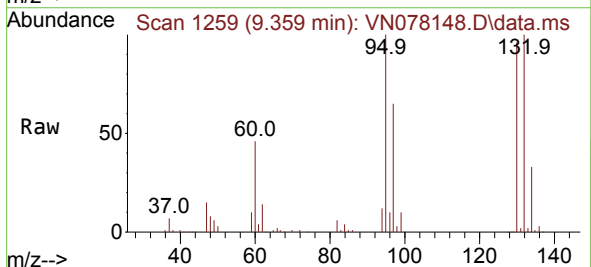
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-RW11-GW-698-700MS

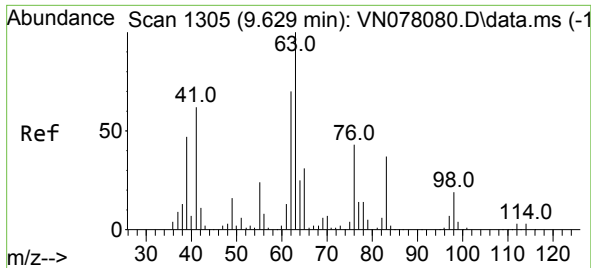
Tgt Ion: 43 Resp: 476390  
Ion Ratio Lower Upper  
43 100  
61 29.1 24.7 37.1  
87 15.5 14.6 21.8



#44  
Trichloroethene  
Concen: 49.519 ug/l  
RT: 9.359 min Scan# 1259  
Delta R.T. 0.000 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

Tgt Ion:130 Resp: 269642  
Ion Ratio Lower Upper  
130 100  
95 104.2 0.0 204.6

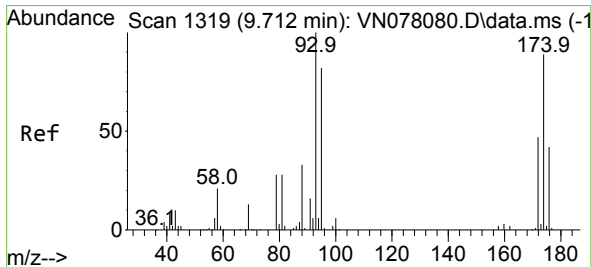
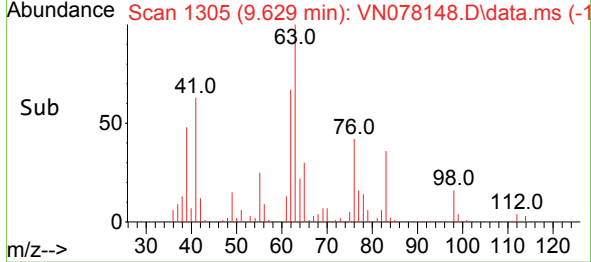
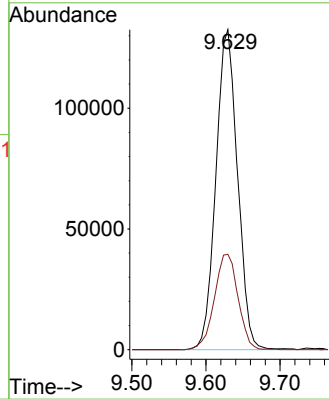
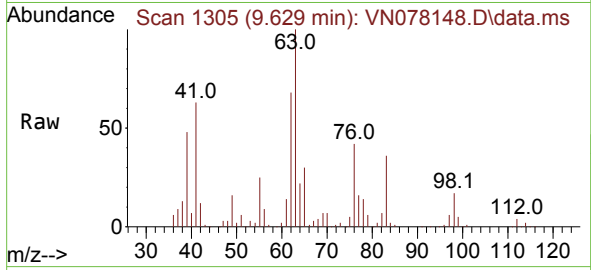




#45  
1,2-Dichloropropane  
Concen: 52.396 ug/l  
RT: 9.629 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

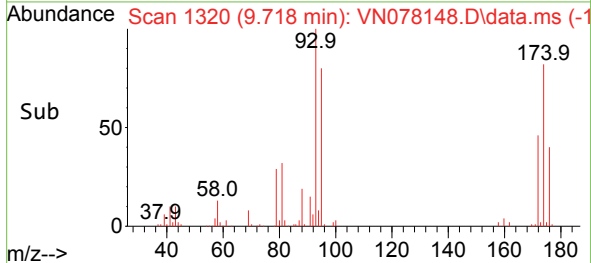
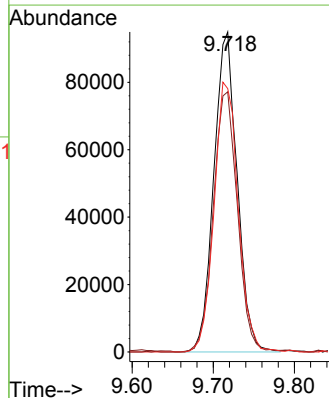
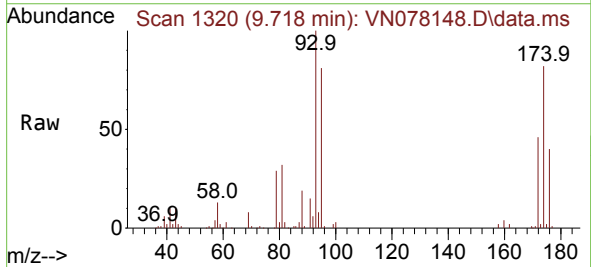
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-RW11-GW-698-700MS

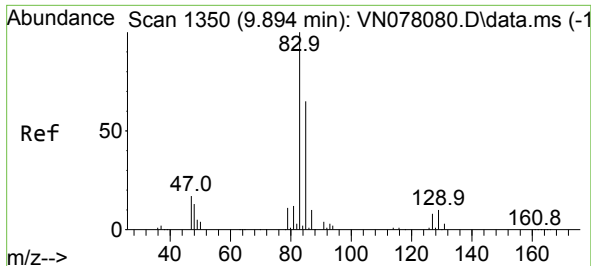
Tgt Ion: 63 Resp: 268794  
Ion Ratio Lower Upper  
63 100  
65 29.8 23.9 35.9



#46  
Dibromomethane  
Concen: 50.162 ug/l  
RT: 9.718 min Scan# 1320  
Delta R.T. 0.006 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

Tgt Ion: 93 Resp: 189543  
Ion Ratio Lower Upper  
93 100  
95 84.1 63.8 95.8  
174 87.4 65.6 98.4

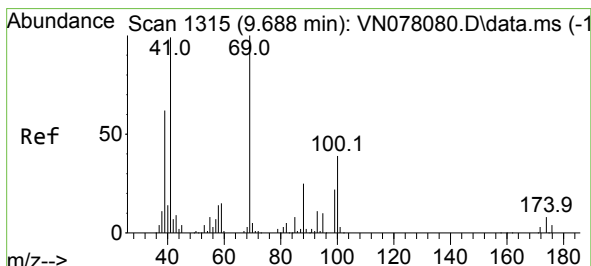
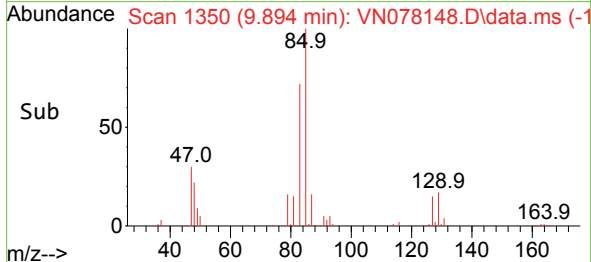
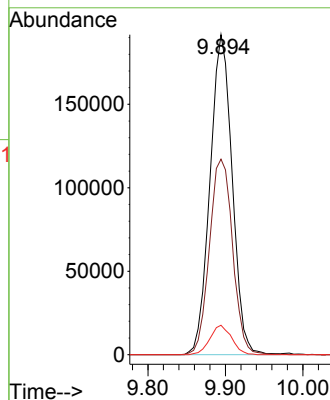
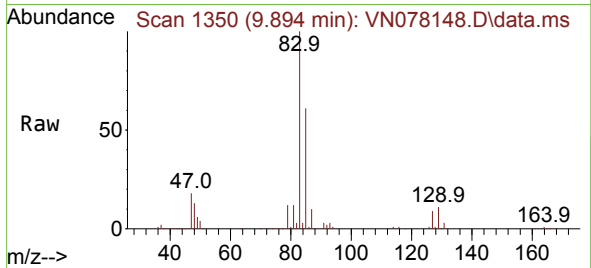




#47  
Bromodichloromethane  
Concen: 54.281 ug/l  
RT: 9.894 min Scan# 1350  
Delta R.T. 0.000 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

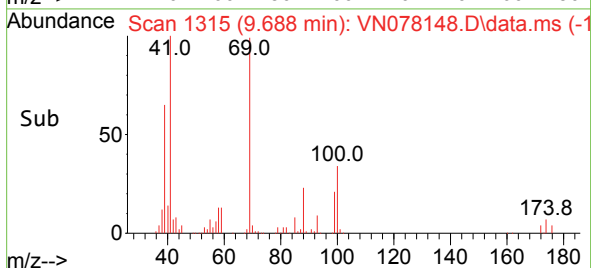
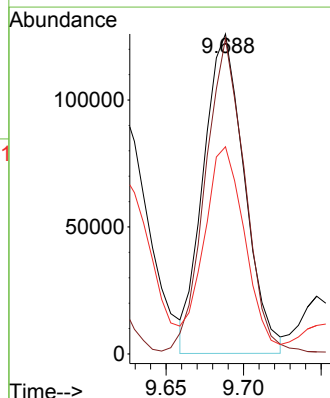
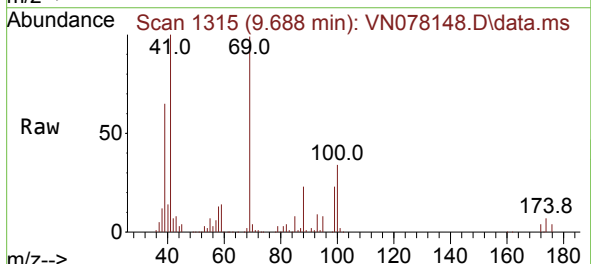
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-RW11-GW-698-700MS

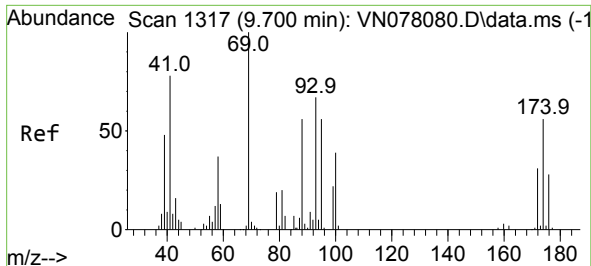
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 380993 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 61.1  | 49.6  | 74.4   |
| 127      | 9.2   | 7.0   | 10.6   |



#48  
Methyl methacrylate  
Concen: 53.409 ug/l  
RT: 9.688 min Scan# 1315  
Delta R.T. 0.000 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 231269 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 69       | 96.5  | 90.4  | 135.6  |
| 39       | 64.7  | 54.6  | 81.8   |

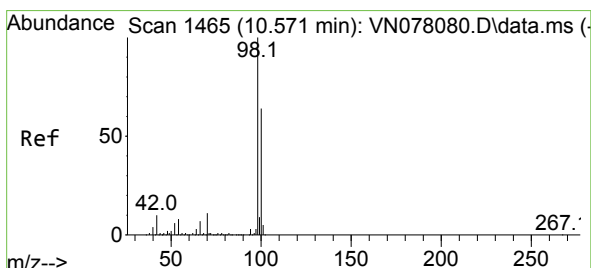
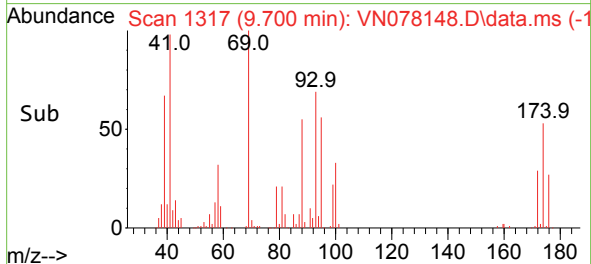
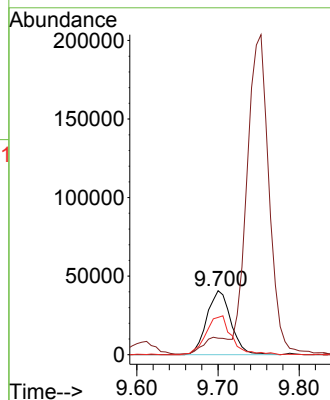
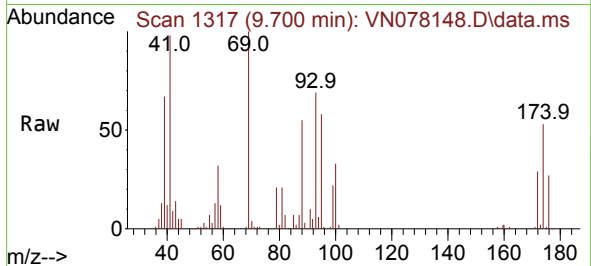




#49  
1,4-Dioxane  
Concen: 921.702 ug/l  
RT: 9.700 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

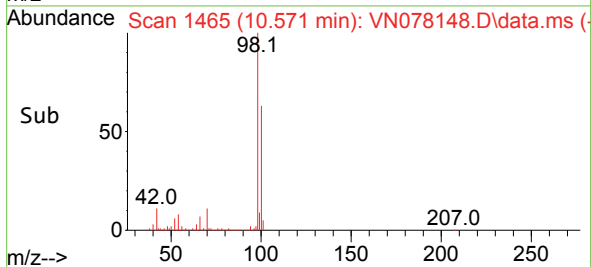
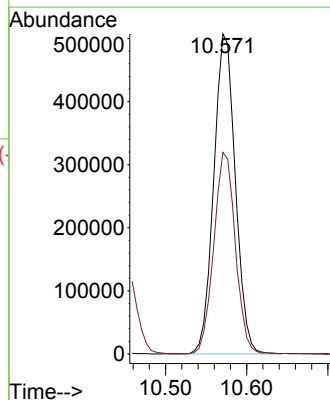
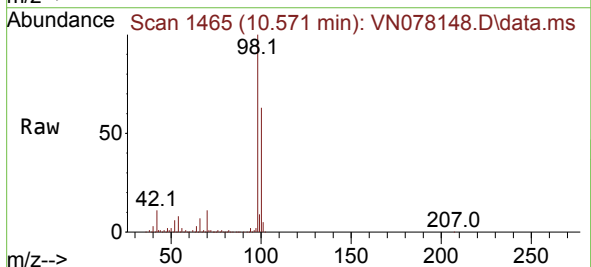
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-RW11-GW-698-700MS

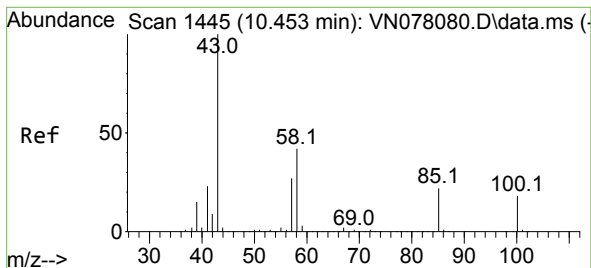
Tgt Ion: 88 Resp: 83885  
Ion Ratio Lower Upper  
88 100  
43 25.9 17.0 25.6#  
58 64.5 47.0 70.4



#50  
Toluene-d8  
Concen: 50.515 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.000 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

Tgt Ion: 98 Resp: 937677  
Ion Ratio Lower Upper  
98 100  
100 62.9 52.0 78.0

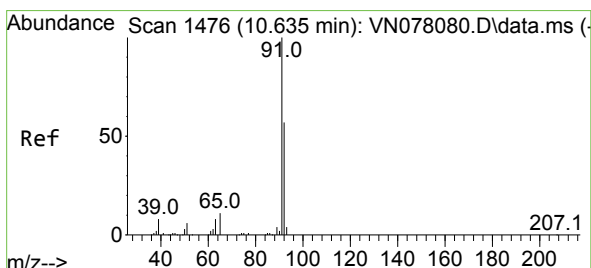
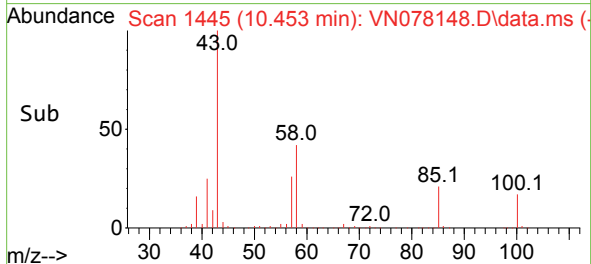
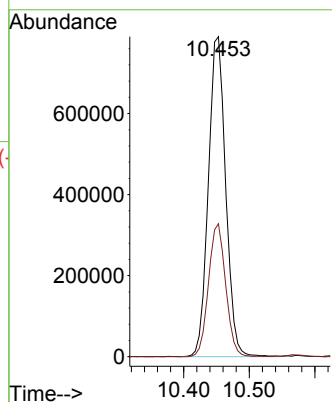
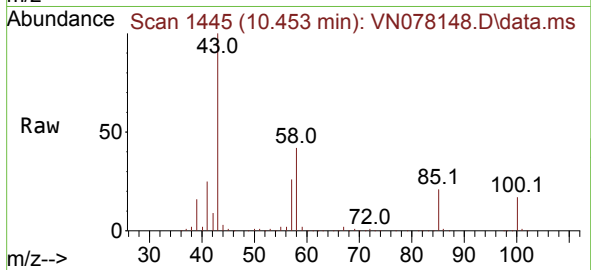




#51  
4-Methyl-2-Pentanone  
Concen: 267.314 ug/l  
RT: 10.453 min Scan# 1445  
Delta R.T. 0.000 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

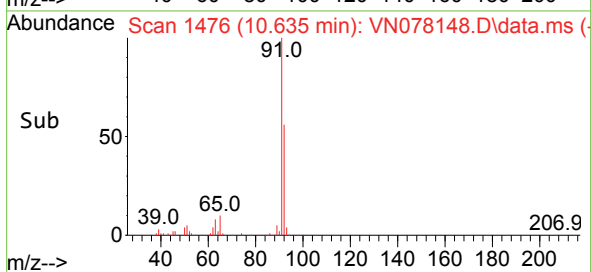
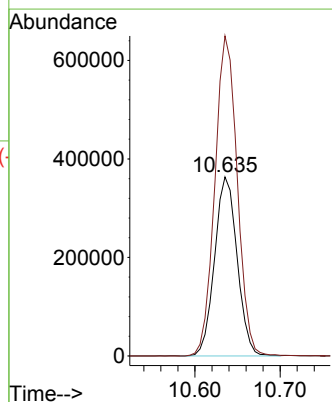
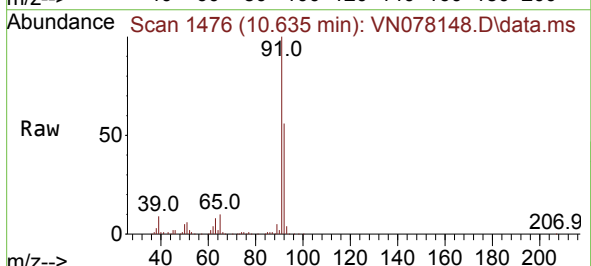
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-RW11-GW-698-700MS

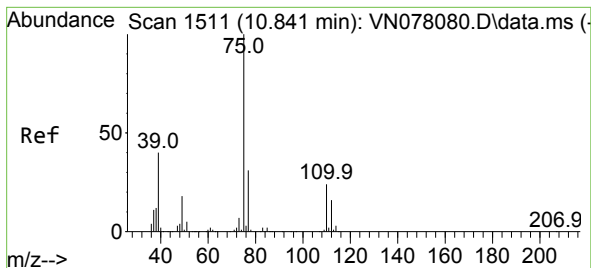
Tgt Ion: 43 Resp: 1452469  
Ion Ratio Lower Upper  
43 100  
58 41.2 36.6 54.8



#52  
Toluene  
Concen: 51.352 ug/l  
RT: 10.635 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

Tgt Ion: 92 Resp: 668512  
Ion Ratio Lower Upper  
92 100  
91 177.9 137.4 206.0

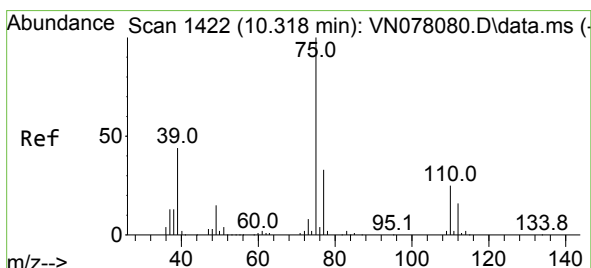
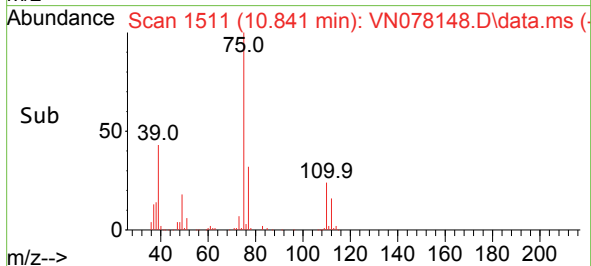
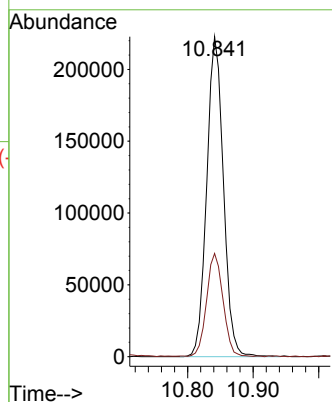
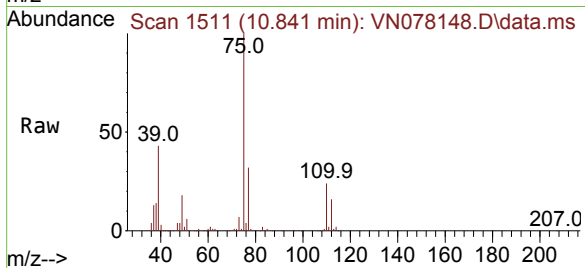




#53  
t-1,3-Dichloropropene  
Concen: 54.017 ug/l  
RT: 10.841 min Scan# 1511  
Delta R.T. 0.000 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

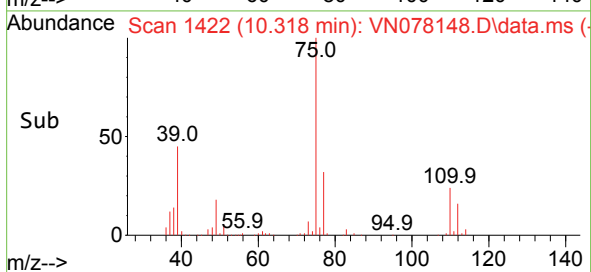
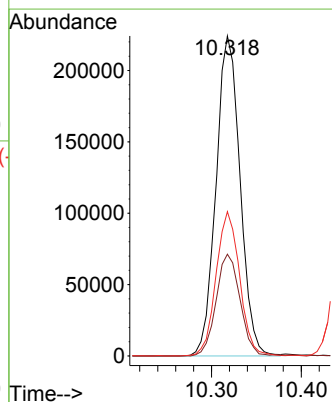
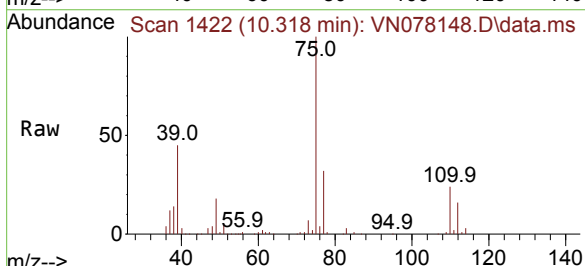
Instrument : MSVOA\_N  
ClientSampleId : BP-VPB-RW11-GW-698-700MS

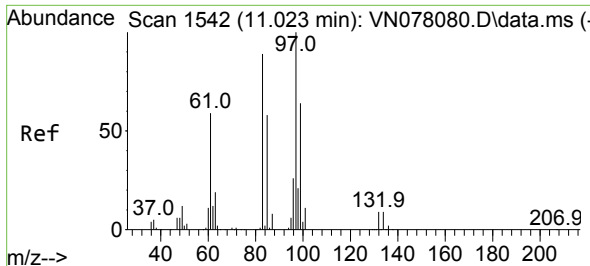
Tgt Ion: 75 Resp: 394852  
Ion Ratio Lower Upper  
75 100  
77 32.2 25.4 38.0



#54  
cis-1,3-Dichloropropene  
Concen: 51.661 ug/l  
RT: 10.318 min Scan# 1422  
Delta R.T. 0.000 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

Tgt Ion: 75 Resp: 417440  
Ion Ratio Lower Upper  
75 100  
77 31.8 26.1 39.1  
39 45.1 31.6 47.4

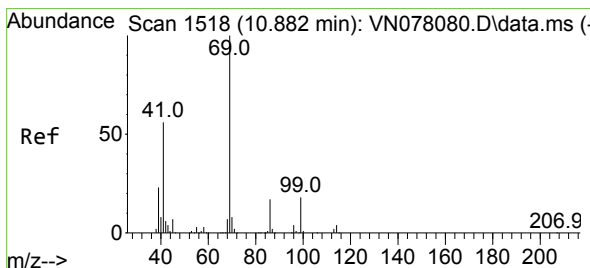
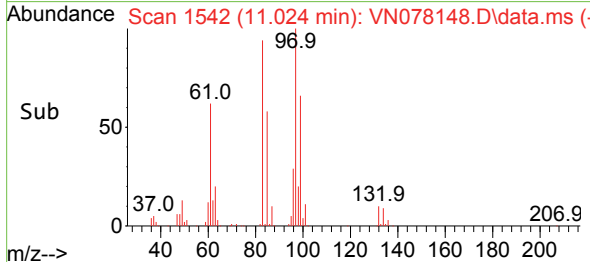
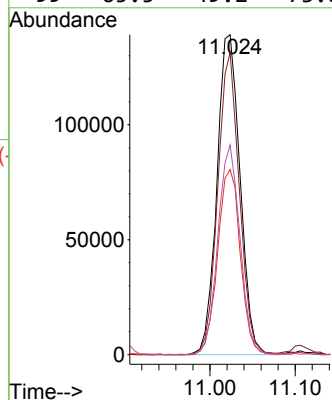
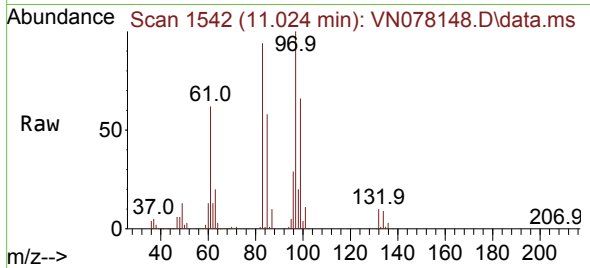




#55  
 1,1,2-Trichloroethane  
 Concen: 53.272 ug/l  
 RT: 11.024 min Scan# 1542  
 Delta R.T. 0.000 min  
 Lab File: VN078148.D  
 Acq: 09 Jun 2023 16:10

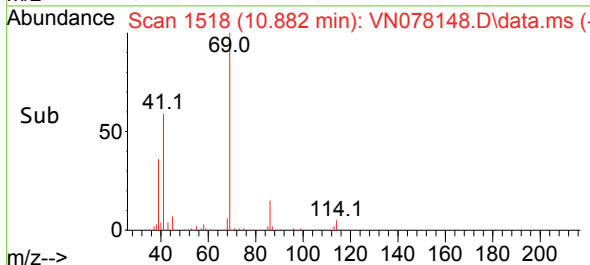
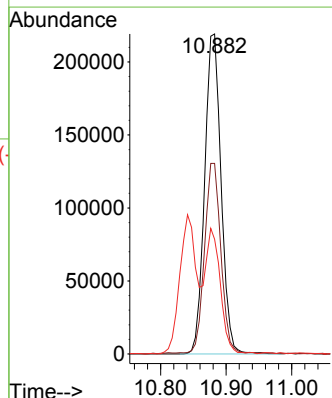
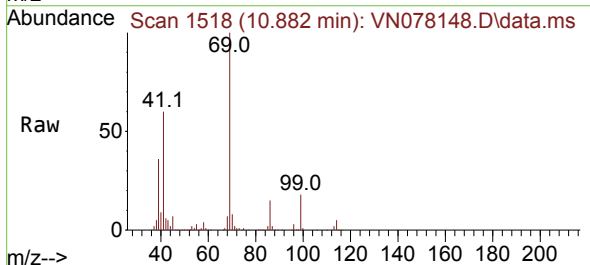
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BP-VPB-RW11-GW-698-700MS

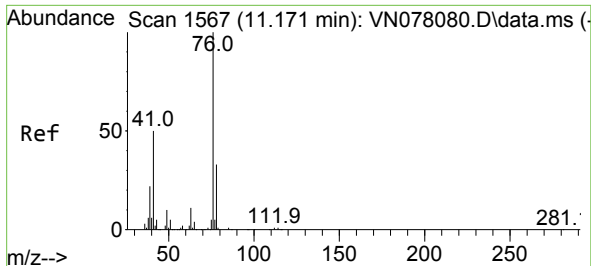
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 262345 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 94.4  | 65.1  | 97.7   |
| 85       | 57.7  | 43.4  | 65.2   |
| 99       | 65.5  | 49.2  | 73.8   |



#56  
 Ethyl methacrylate  
 Concen: 53.454 ug/l  
 RT: 10.882 min Scan# 1518  
 Delta R.T. 0.000 min  
 Lab File: VN078148.D  
 Acq: 09 Jun 2023 16:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 383302 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 60.1  | 39.6  | 59.4#  |
| 39       | 37.0  | 28.6  | 43.0   |





#57

1,3-Dichloropropane

Concen: 53.133 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VN078148.D

Acq: 09 Jun 2023 16:10

Instrument :

MSVOA\_N

ClientSampleId :

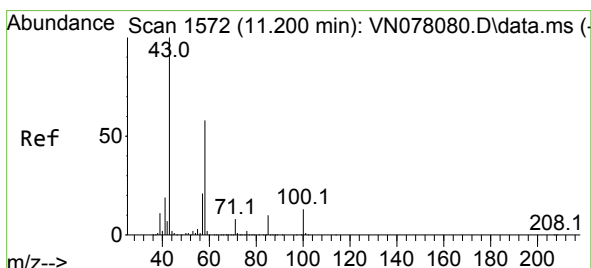
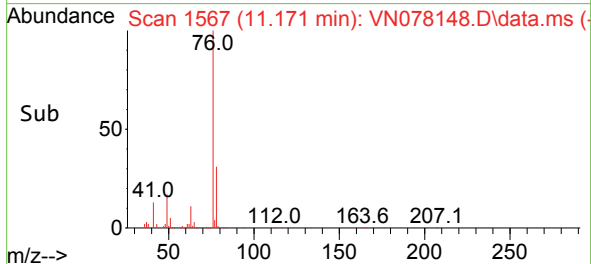
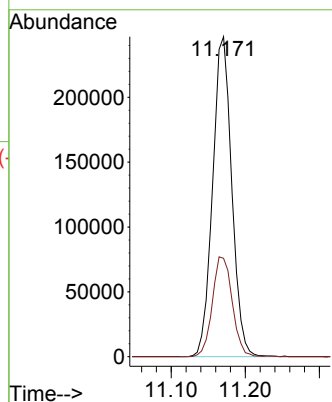
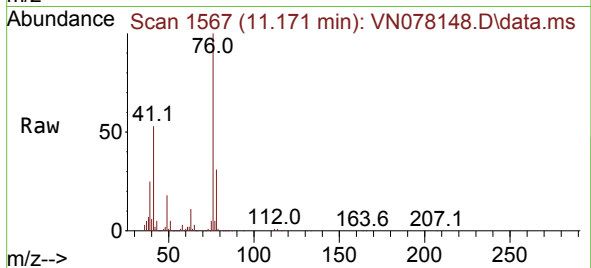
BP-VPB-RW11-GW-698-700MS

Tgt Ion: 76 Resp: 441671

Ion Ratio Lower Upper

76 100

78 32.5 26.1 39.1



#59

2-Hexanone

Concen: 265.645 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.000 min

Lab File: VN078148.D

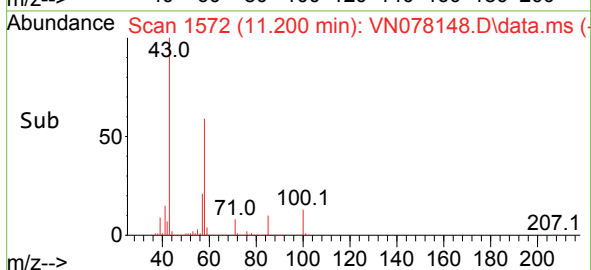
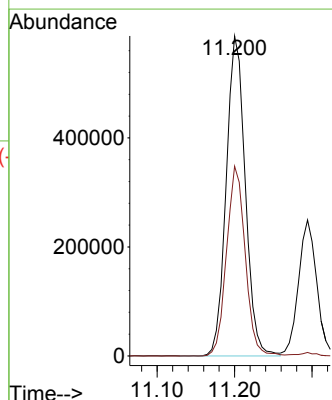
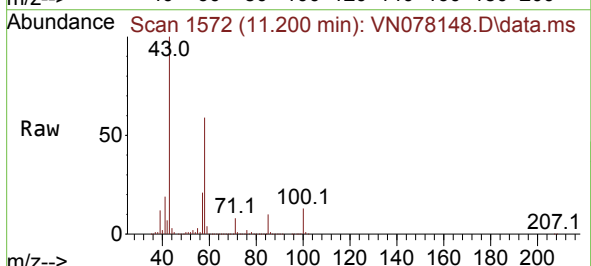
Acq: 09 Jun 2023 16:10

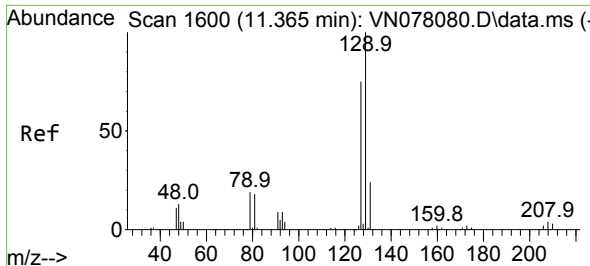
Tgt Ion: 43 Resp: 1005025

Ion Ratio Lower Upper

43 100

58 58.1 31.7 95.1

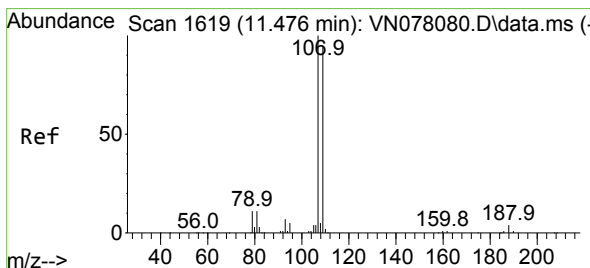
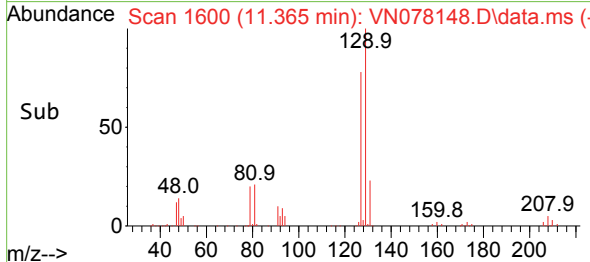
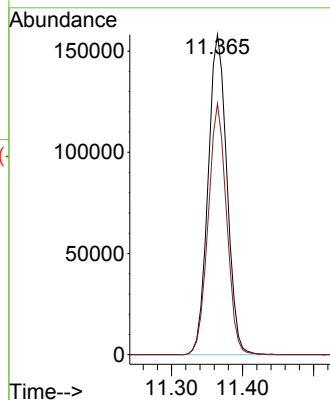
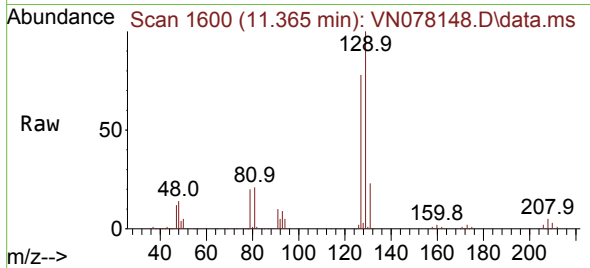




#60  
Dibromochloromethane  
Concen: 54.092 ug/l  
RT: 11.365 min Scan# 1600  
Delta R.T. 0.000 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

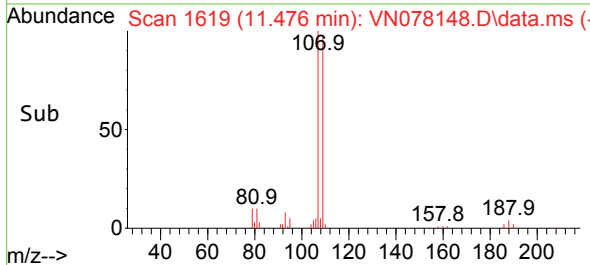
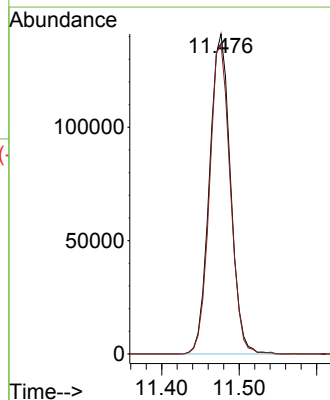
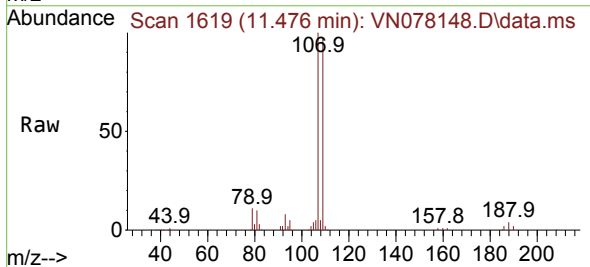
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-RW11-GW-698-700MS

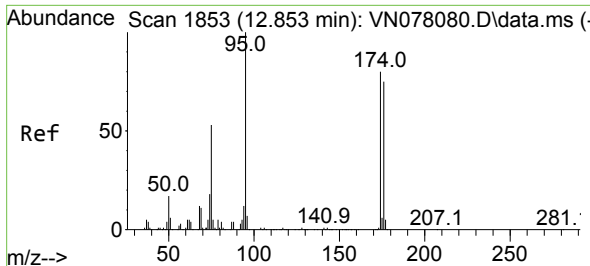
Tgt Ion:129 Resp: 291495  
Ion Ratio Lower Upper  
129 100  
127 76.6 38.6 116.0



#61  
1,2-Dibromoethane  
Concen: 51.434 ug/l  
RT: 11.476 min Scan# 1619  
Delta R.T. 0.000 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

Tgt Ion:107 Resp: 265816  
Ion Ratio Lower Upper  
107 100  
109 95.6 76.6 114.8

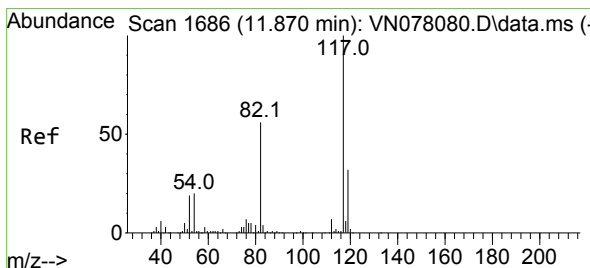
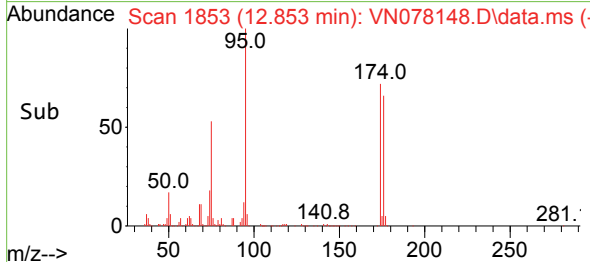
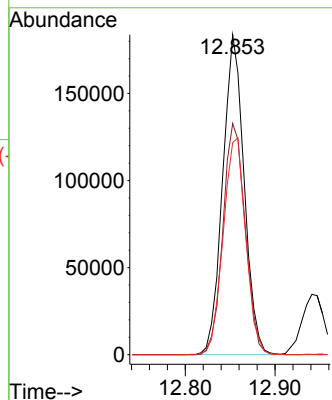
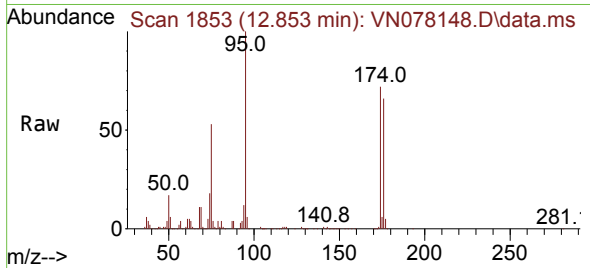




#62  
4-Bromofluorobenzene  
Concen: 52.814 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

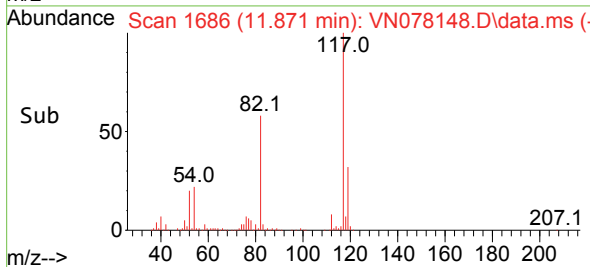
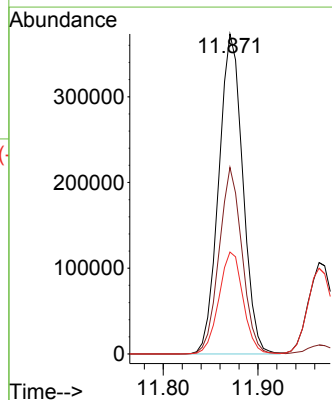
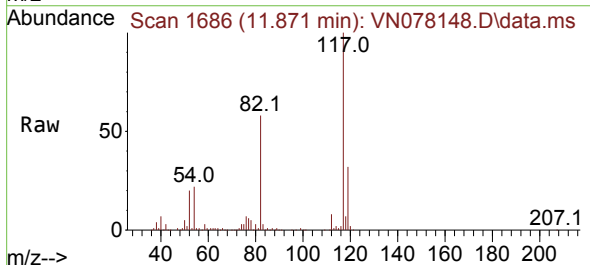
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-RW11-GW-698-700MS

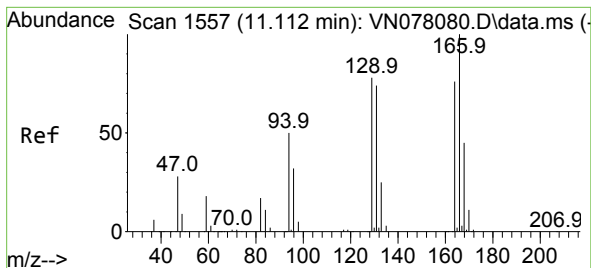
Tgt Ion: 95 Resp: 304768  
Ion Ratio Lower Upper  
95 100  
174 74.8 0.0 143.8  
176 71.2 0.0 135.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1686  
Delta R.T. 0.000 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

Tgt Ion: 117 Resp: 658460  
Ion Ratio Lower Upper  
117 100  
82 58.3 44.0 66.0  
119 31.8 25.6 38.4





#64

Tetrachloroethene

Concen: 51.264 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. -0.006 min

Lab File: VN078148.D

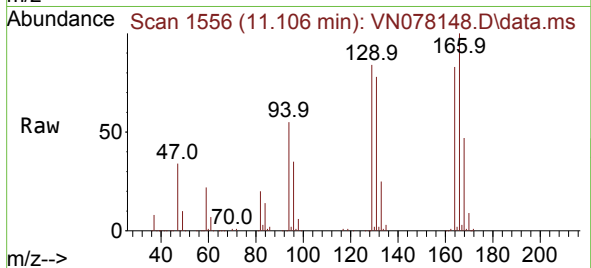
Acq: 09 Jun 2023 16:10

Instrument :

MSVOA\_N

ClientSampleId :

BP-VPB-RW11-GW-698-700MS



Tgt Ion:164 Resp: 225191

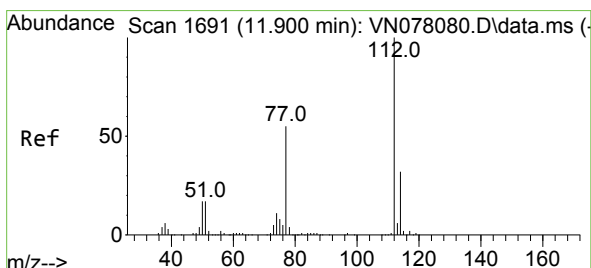
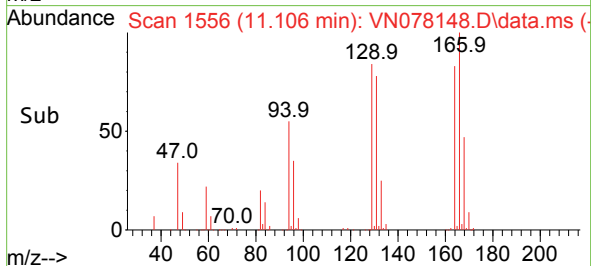
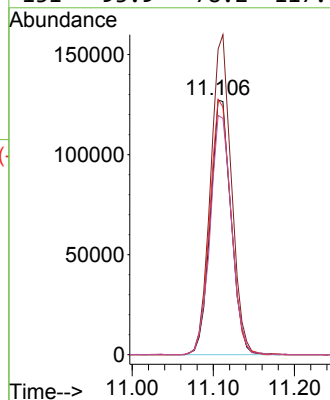
Ion Ratio Lower Upper

164 100

166 120.0 101.4 152.0

129 100.3 82.4 123.6

131 93.9 78.2 117.4



#65

Chlorobenzene

Concen: 50.629 ug/l

RT: 11.900 min Scan# 1691

Delta R.T. 0.000 min

Lab File: VN078148.D

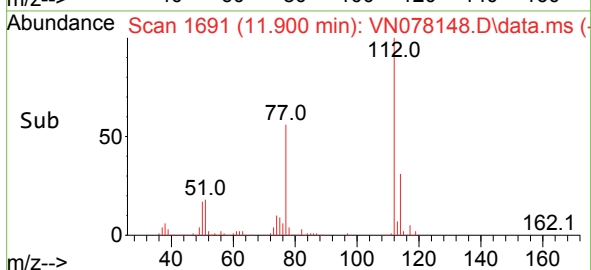
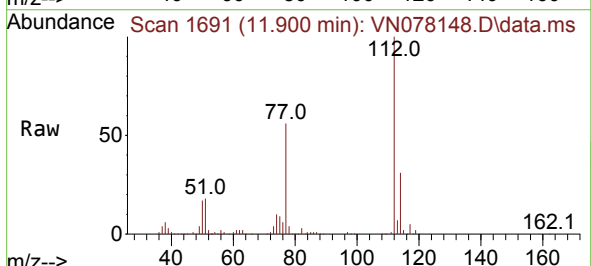
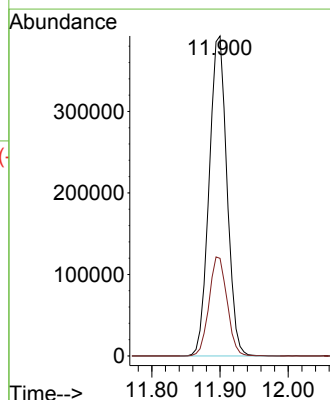
Acq: 09 Jun 2023 16:10

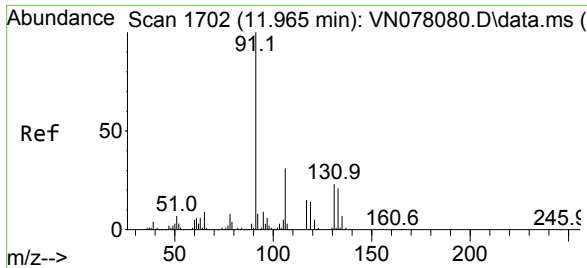
Tgt Ion:112 Resp: 713935

Ion Ratio Lower Upper

112 100

114 30.5 25.0 37.4

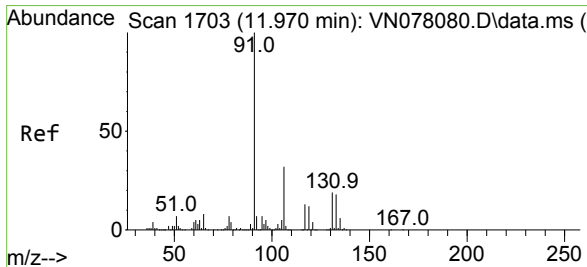
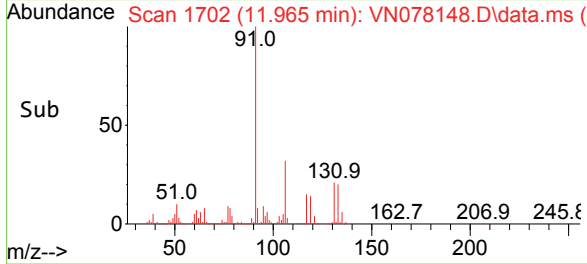
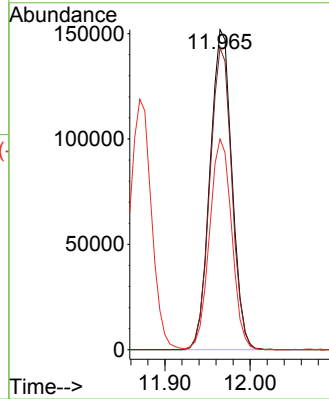
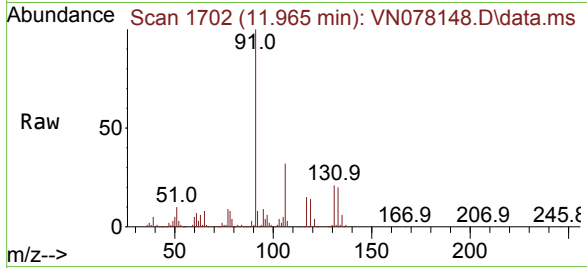




#66  
1,1,1,2-Tetrachloroethane  
Concen: 52.243 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. -0.000 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

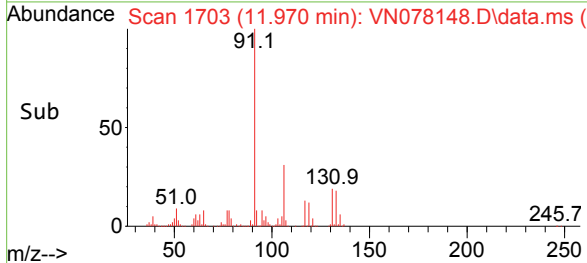
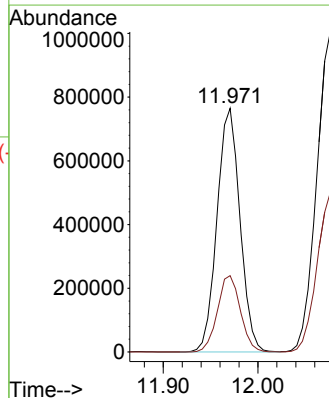
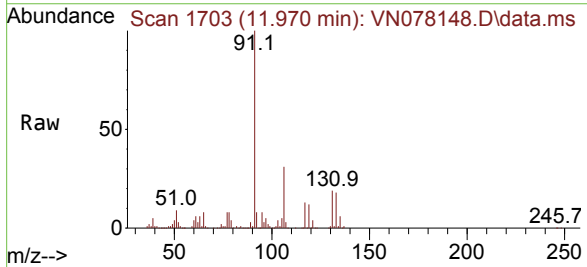
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-RW11-GW-698-700MS

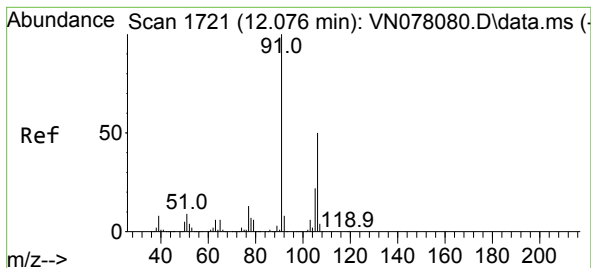
Tgt Ion:131 Resp: 270956  
Ion Ratio Lower Upper  
131 100  
133 94.8 46.4 139.1  
119 66.6 34.1 102.2



#67  
Ethyl Benzene  
Concen: 52.959 ug/l  
RT: 11.970 min Scan# 1703  
Delta R.T. 0.000 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

Tgt Ion: 91 Resp: 1288577  
Ion Ratio Lower Upper  
91 100  
106 31.3 25.6 38.4





#68

m/p-Xylenes

Concen: 104.890 ug/l

RT: 12.076 min Scan# 1721

Delta R.T. 0.000 min

Lab File: VN078148.D

Acq: 09 Jun 2023 16:10

Instrument :

MSVOA\_N

ClientSampleId :

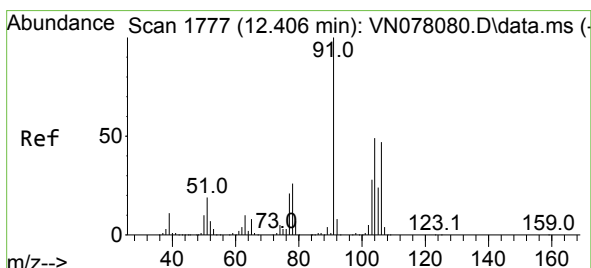
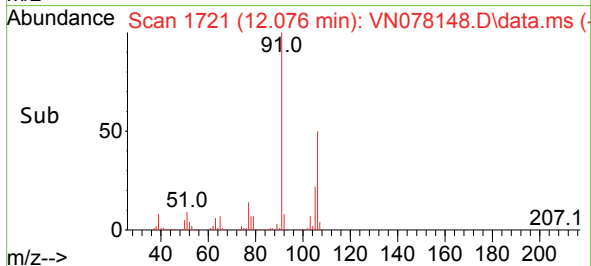
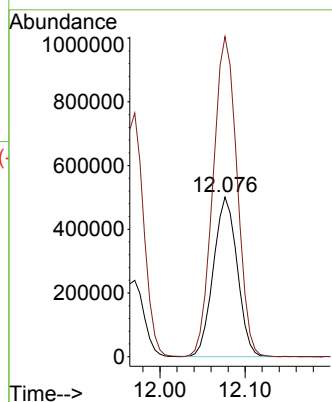
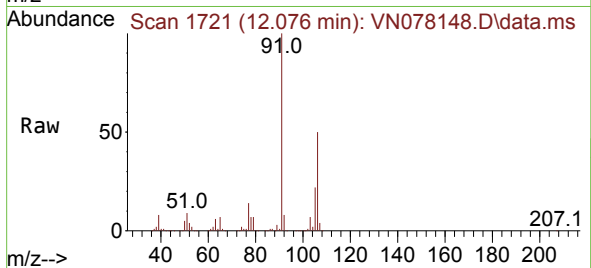
BP-VPB-RW11-GW-698-700MS

Tgt Ion:106 Resp: 972626

Ion Ratio Lower Upper

106 100

91 202.7 159.6 239.4



#69

o-Xylene

Concen: 52.800 ug/l

RT: 12.400 min Scan# 1776

Delta R.T. -0.006 min

Lab File: VN078148.D

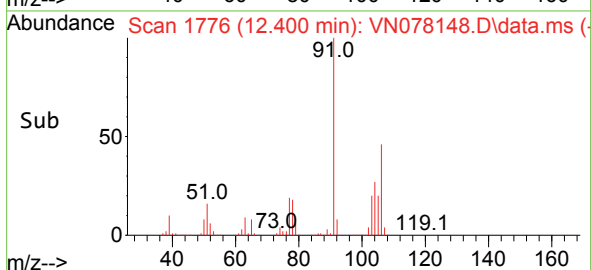
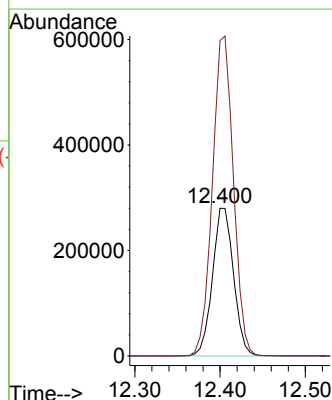
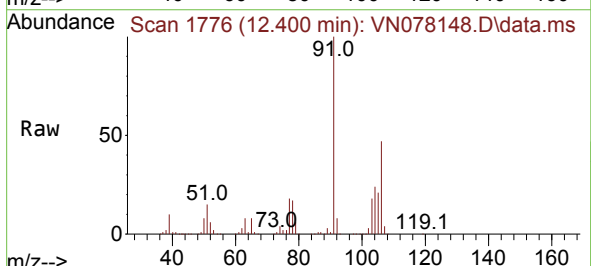
Acq: 09 Jun 2023 16:10

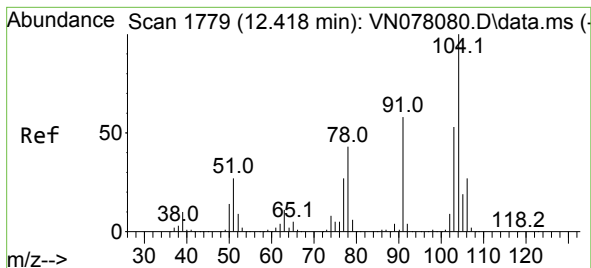
Tgt Ion:106 Resp: 480797

Ion Ratio Lower Upper

106 100

91 216.0 105.2 315.5





#70

Styrene

Concen: 53.504 ug/l

RT: 12.418 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN078148.D

Acq: 09 Jun 2023 16:10

Instrument :

MSVOA\_N

ClientSampleId :

BP-VPB-RW11-GW-698-700MS

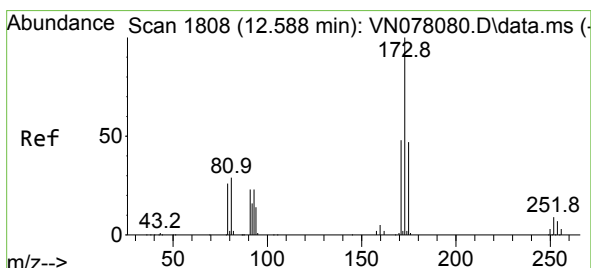
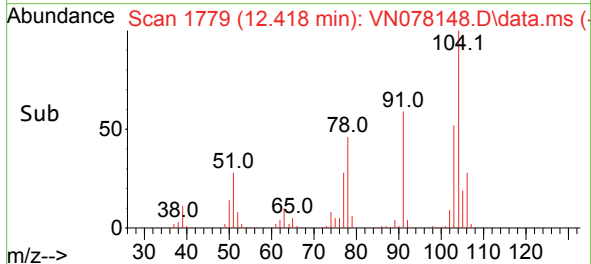
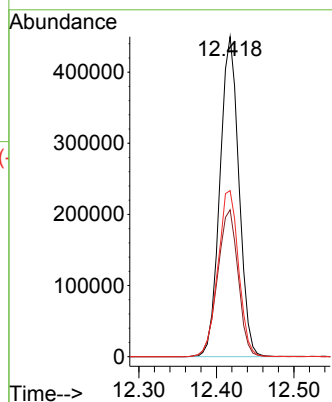
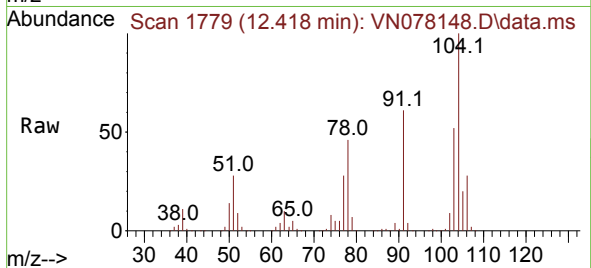
Tgt Ion:104 Resp: 767018

Ion Ratio Lower Upper

104 100

78 49.7 39.5 59.3

103 56.7 43.2 64.8



#71

Bromoform

Concen: 54.281 ug/l

RT: 12.582 min Scan# 1807

Delta R.T. -0.006 min

Lab File: VN078148.D

Acq: 09 Jun 2023 16:10

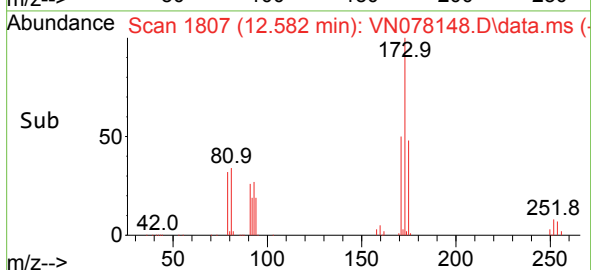
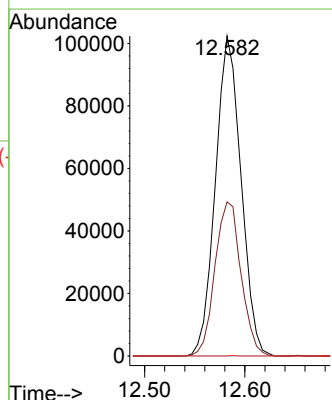
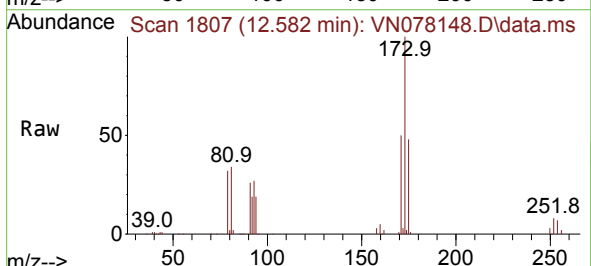
Tgt Ion:173 Resp: 181680

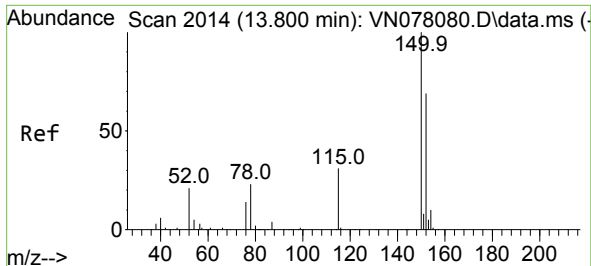
Ion Ratio Lower Upper

173 100

175 48.9 24.3 73.0

254 0.0 0.0 0.0#

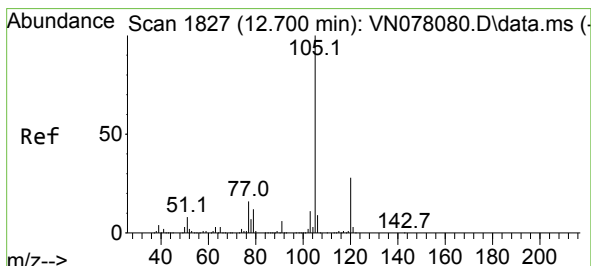
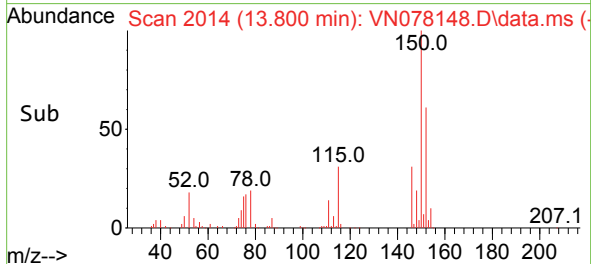
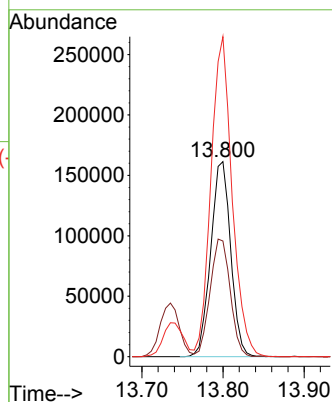
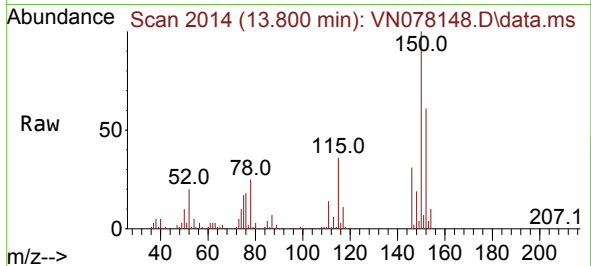




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.800 min Scan# 2014  
Delta R.T. 0.000 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

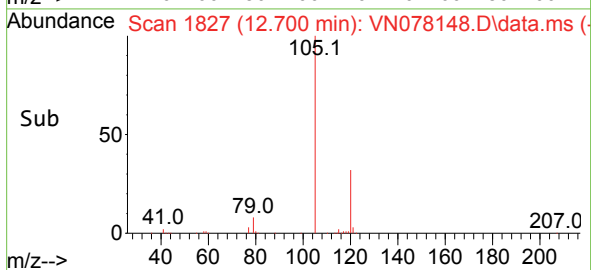
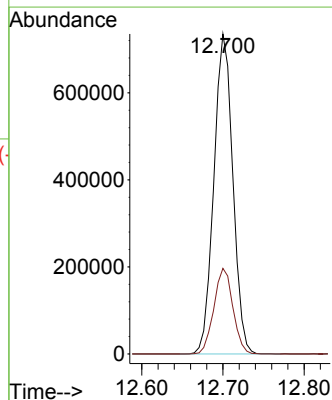
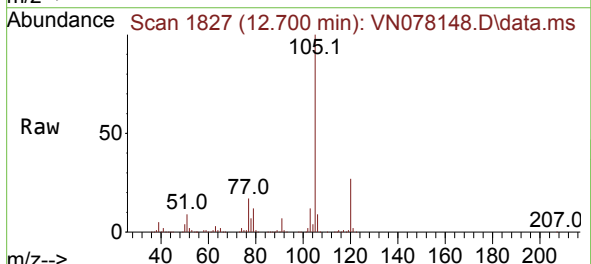
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-RW11-GW-698-700MS

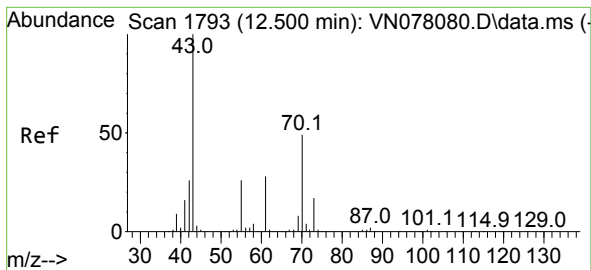
Tgt Ion:152 Resp: 276098  
Ion Ratio Lower Upper  
152 100  
115 60.2 32.3 96.8  
150 173.1 0.0 355.8



#73  
Isopropylbenzene  
Concen: 45.718 ug/l  
RT: 12.700 min Scan# 1827  
Delta R.T. 0.000 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

Tgt Ion:105 Resp: 1193642  
Ion Ratio Lower Upper  
105 100  
120 26.8 13.1 39.1

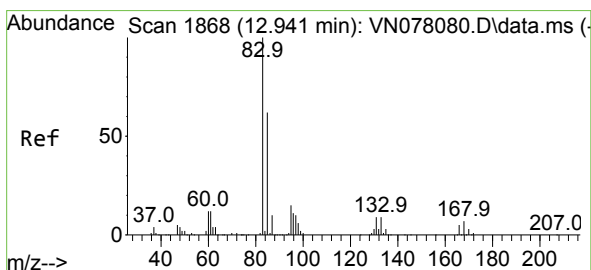
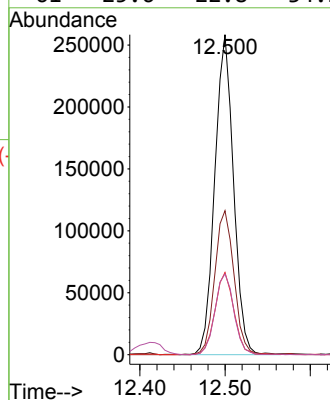
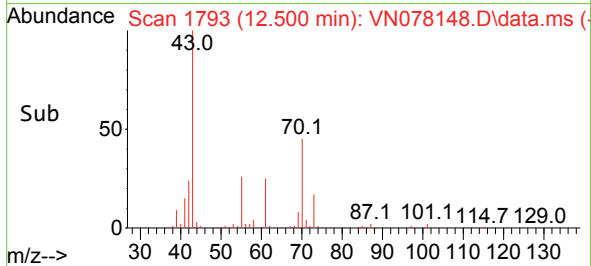
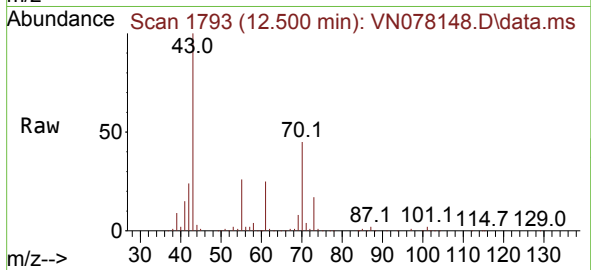




#74  
N-amy1 acetate  
Concen: 45.896 ug/l  
RT: 12.500 min Scan# 1793  
Delta R.T. 0.000 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

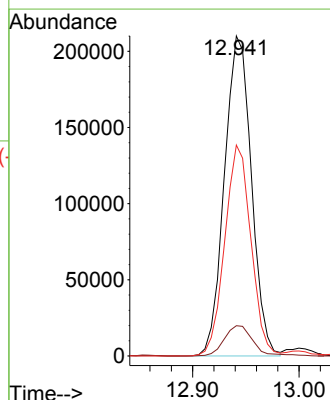
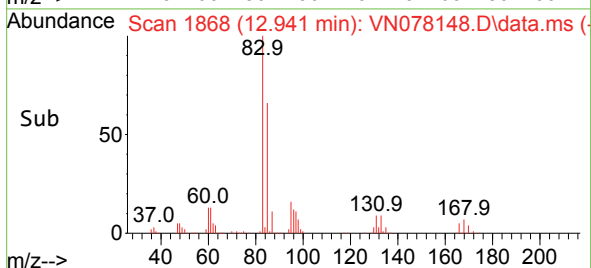
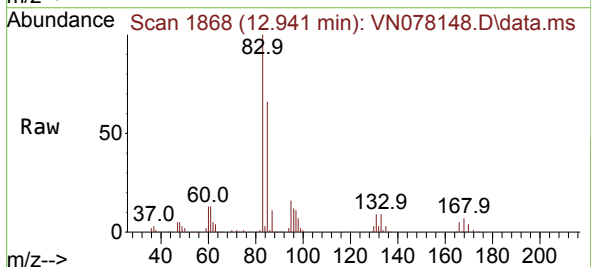
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-RW11-GW-698-700MS

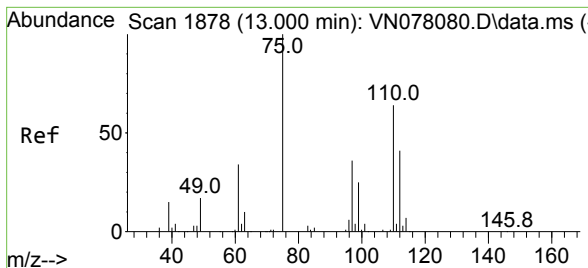
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 394601 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 70       | 46.3  | 43.4  | 65.2   |
| 55       | 25.8  | 21.4  | 32.0   |
| 61       | 25.6  | 22.8  | 34.2   |



#75  
1,1,2,2-Tetrachloroethane  
Concen: 51.620 ug/l  
RT: 12.941 min Scan# 1868  
Delta R.T. 0.000 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 370112 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 131      | 10.1  | 5.0   | 15.0   |
| 85       | 63.9  | 31.9  | 95.7   |





#76

1,2,3-Trichloropropane

Concen: 68.397 ug/l

RT: 13.000 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN078148.D

Acq: 09 Jun 2023 16:10

Instrument :

MSVOA\_N

ClientSampleId :

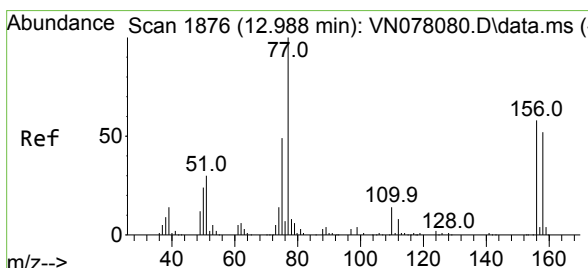
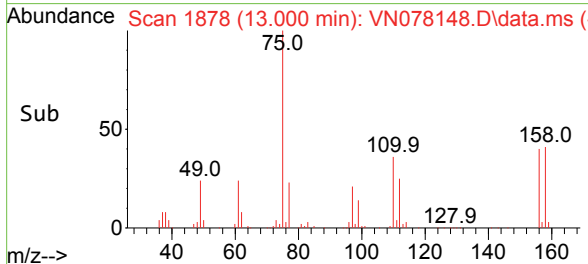
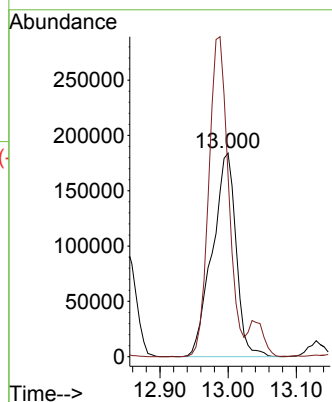
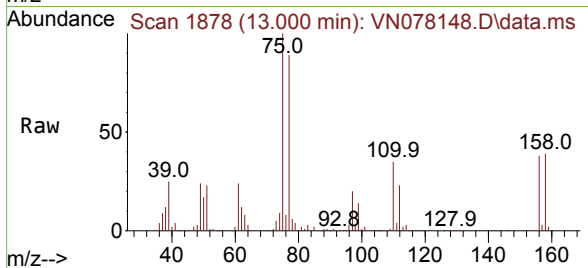
BP-VPB-RW11-GW-698-700MS

Tgt Ion: 75 Resp: 446429

Ion Ratio Lower Upper

75 100

77 129.7 84.5 253.5



#77

Bromobenzene

Concen: 44.773 ug/l

RT: 12.988 min Scan# 1876

Delta R.T. 0.000 min

Lab File: VN078148.D

Acq: 09 Jun 2023 16:10

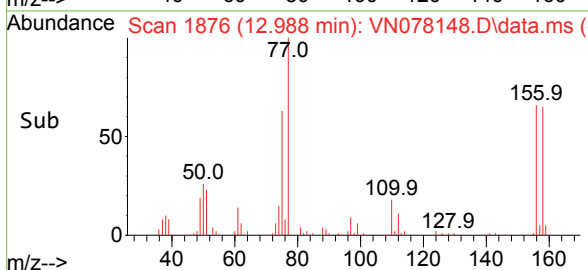
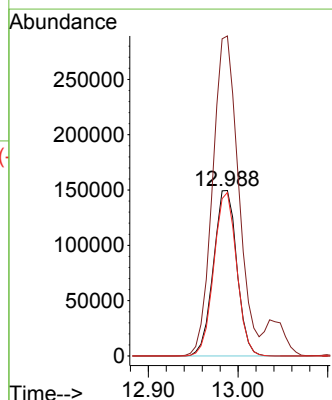
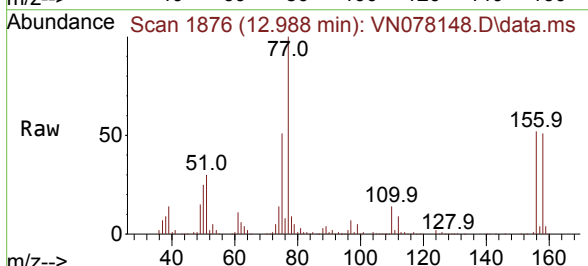
Tgt Ion:156 Resp: 271359

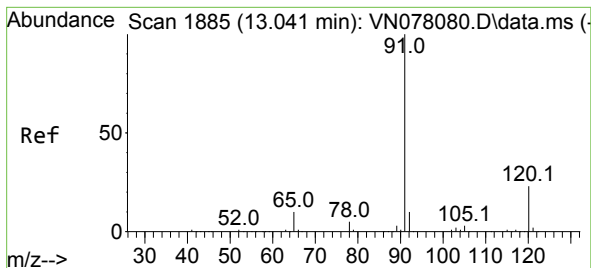
Ion Ratio Lower Upper

156 100

77 213.5 107.7 323.3

158 95.9 48.4 145.3





#78

n-propylbenzene

Concen: 48.526 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VN078148.D

Acq: 09 Jun 2023 16:10

Instrument :

MSVOA\_N

ClientSampleId :

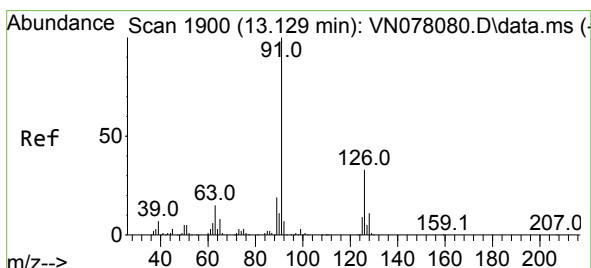
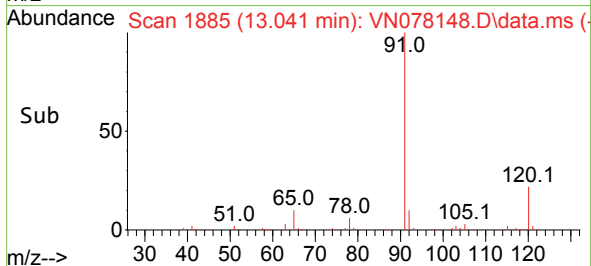
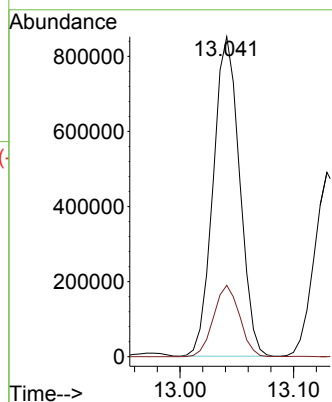
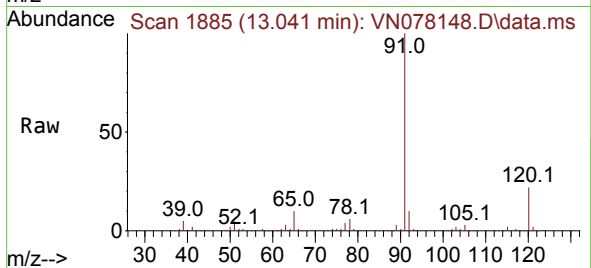
BP-VPB-RW11-GW-698-700MS

Tgt Ion: 91 Resp: 1376505

Ion Ratio Lower Upper

91 100

120 22.0 11.5 34.4



#79

2-Chlorotoluene

Concen: 45.744 ug/l

RT: 13.129 min Scan# 1900

Delta R.T. 0.000 min

Lab File: VN078148.D

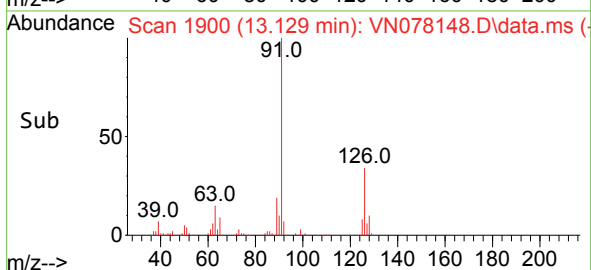
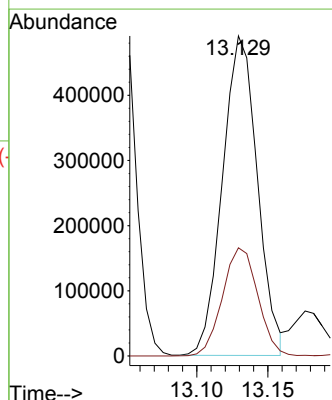
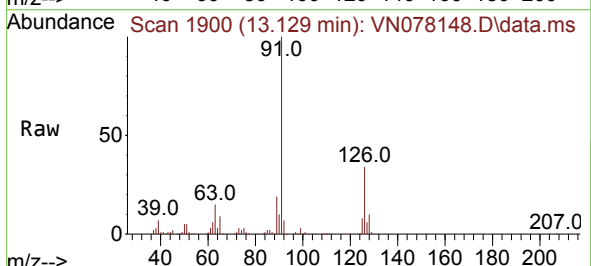
Acq: 09 Jun 2023 16:10

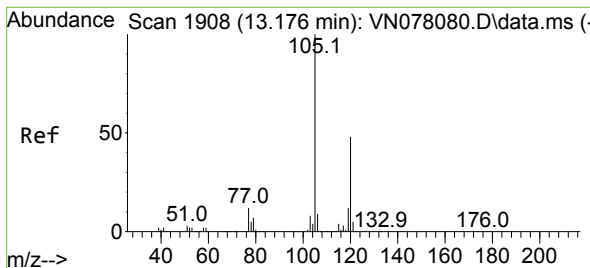
Tgt Ion: 91 Resp: 837597

Ion Ratio Lower Upper

91 100

126 34.3 16.3 48.8





#80

1,3,5-Trimethylbenzene

Concen: 46.349 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN078148.D

Acq: 09 Jun 2023 16:10

Instrument :

MSVOA\_N

ClientSampleId :

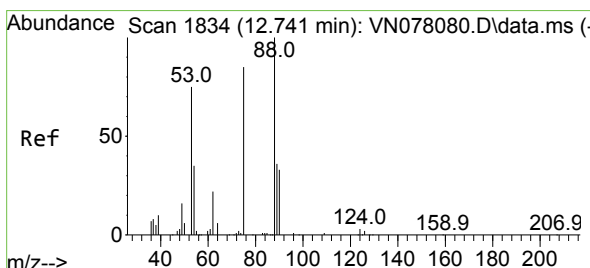
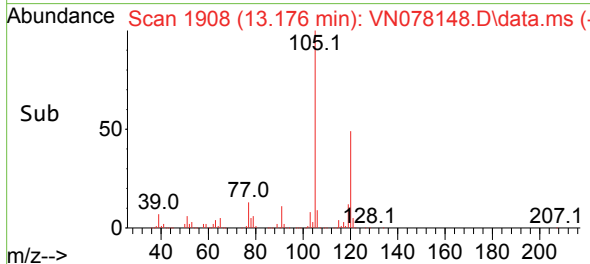
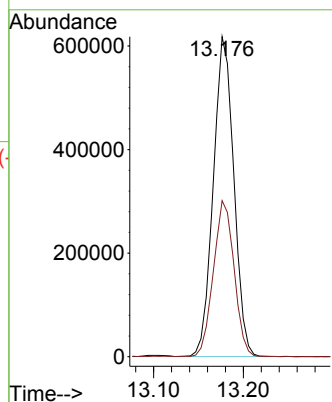
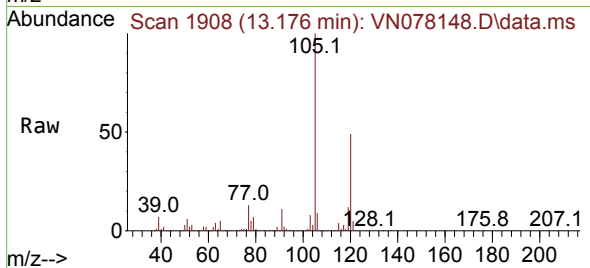
BP-VPB-RW11-GW-698-700MS

Tgt Ion:105 Resp: 979735

Ion Ratio Lower Upper

105 100

120 49.2 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 48.226 ug/l

RT: 12.741 min Scan# 1834

Delta R.T. 0.000 min

Lab File: VN078148.D

Acq: 09 Jun 2023 16:10

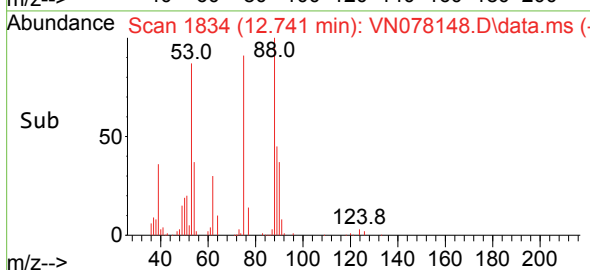
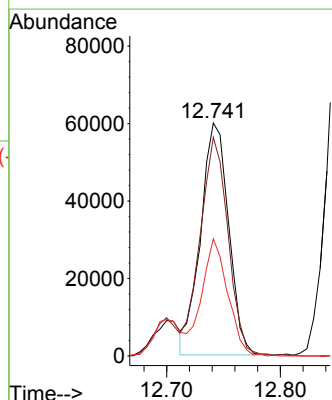
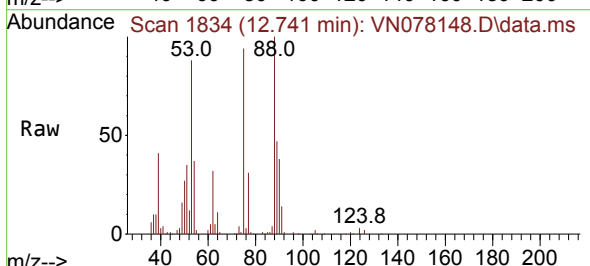
Tgt Ion: 75 Resp: 102454

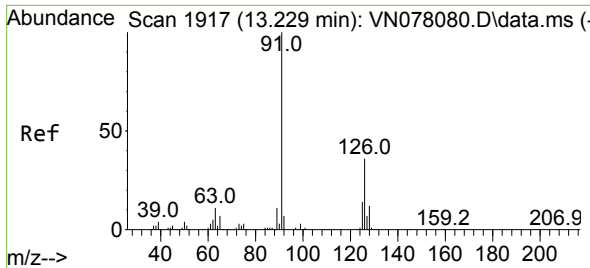
Ion Ratio Lower Upper

75 100

53 95.0 67.4 101.2

89 46.3 38.8 58.2

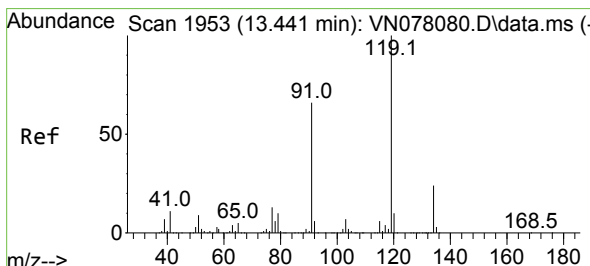
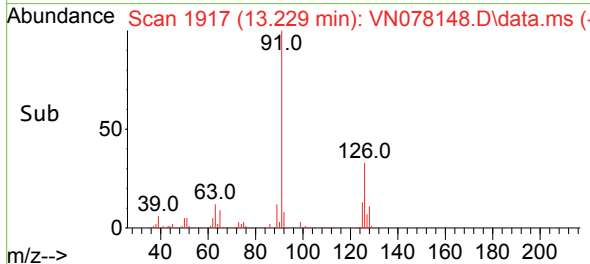
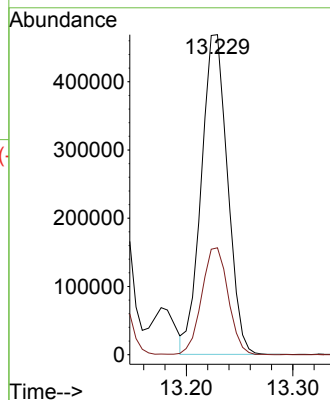
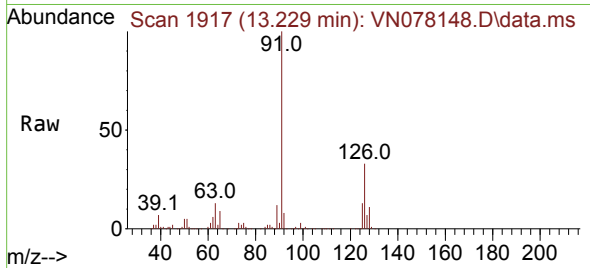




#82  
4-Chlorotoluene  
Concen: 47.096 ug/l  
RT: 13.229 min Scan# 1917  
Delta R.T. 0.000 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

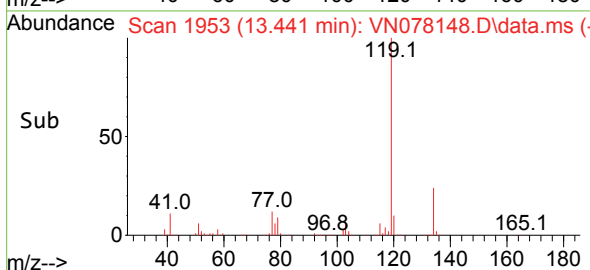
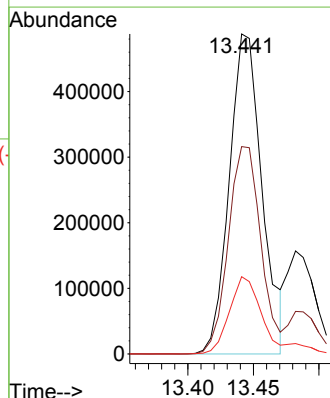
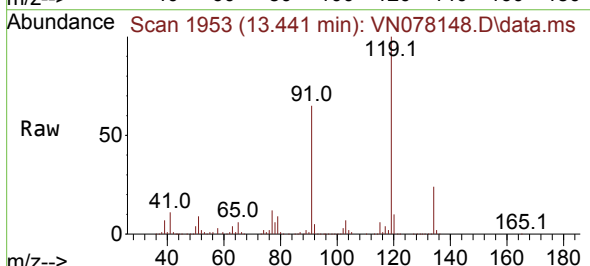
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-RW11-GW-698-700MS

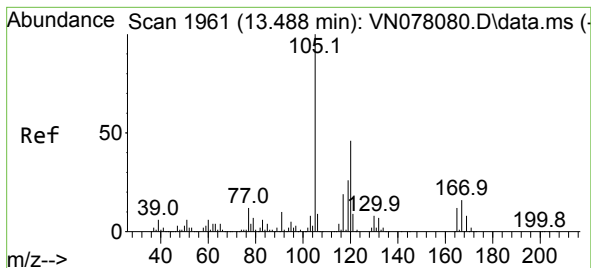
Tgt Ion: 91 Resp: 804824  
Ion Ratio Lower Upper  
91 100  
126 33.8 16.7 50.0



#83  
tert-Butylbenzene  
Concen: 46.167 ug/l  
RT: 13.441 min Scan# 1953  
Delta R.T. 0.000 min  
Lab File: VN078148.D  
Acq: 09 Jun 2023 16:10

Tgt Ion: 119 Resp: 848300  
Ion Ratio Lower Upper  
119 100  
91 64.5 33.9 101.7  
134 25.5 13.2 39.6





#84

1,2,4-Trimethylbenzene

Concen: 47.995 ug/l

RT: 13.488 min Scan# 1961

Delta R.T. 0.000 min

Lab File: VN078148.D

Acq: 09 Jun 2023 16:10

Instrument :

MSVOA\_N

ClientSampleId :

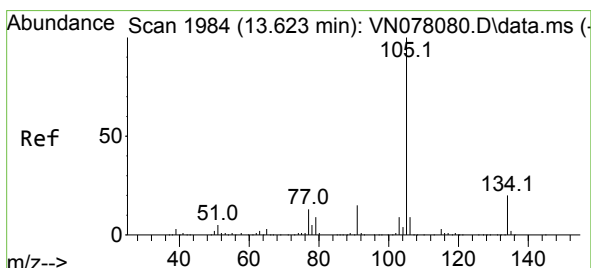
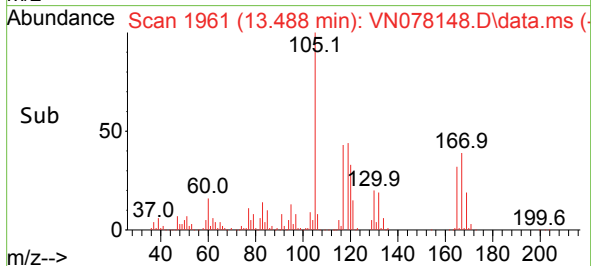
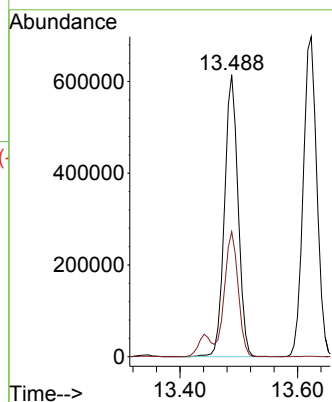
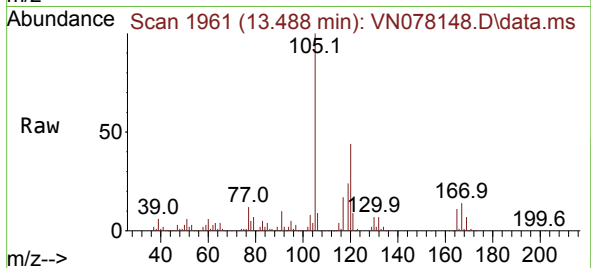
BP-VPB-RW11-GW-698-700MS

Tgt Ion:105 Resp: 983598

Ion Ratio Lower Upper

105 100

120 44.4 22.0 66.0



#85

sec-Butylbenzene

Concen: 46.744 ug/l

RT: 13.623 min Scan# 1984

Delta R.T. 0.000 min

Lab File: VN078148.D

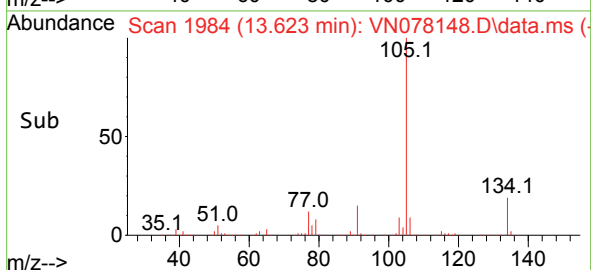
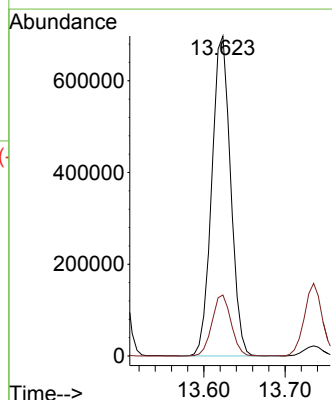
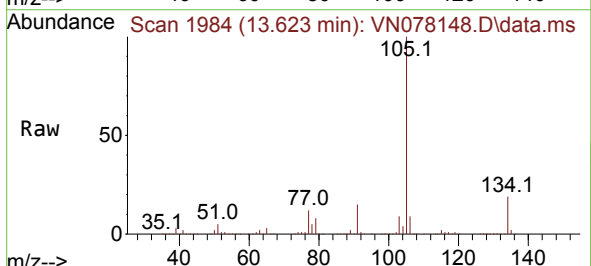
Acq: 09 Jun 2023 16:10

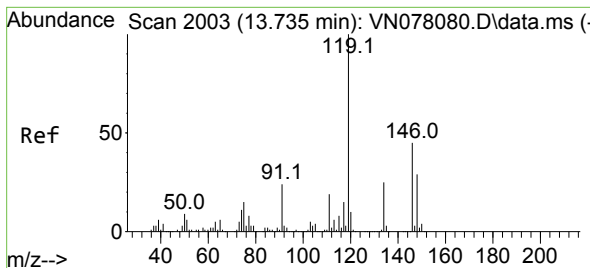
Tgt Ion:105 Resp: 1124189

Ion Ratio Lower Upper

105 100

134 19.3 9.8 29.3





#86

p-Isopropyltoluene

Concen: 48.038 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.000 min

Lab File: VN078148.D

Acq: 09 Jun 2023 16:10

Instrument :

MSVOA\_N

ClientSampleId :

BP-VPB-RW11-GW-698-700MS

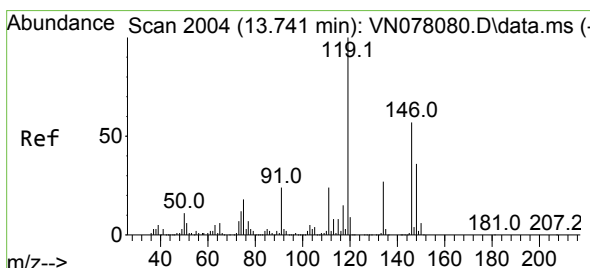
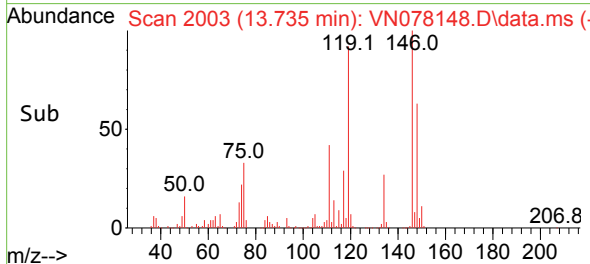
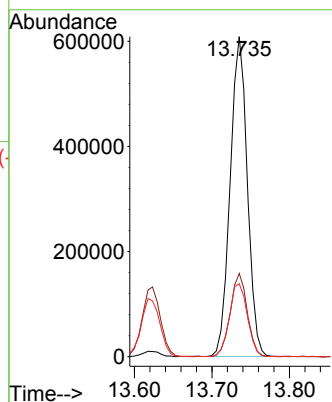
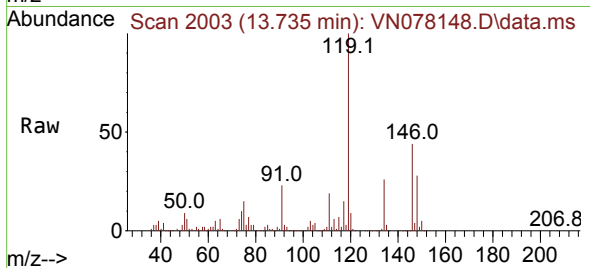
Tgt Ion:119 Resp: 937525

Ion Ratio Lower Upper

119 100

134 25.8 12.6 37.8

91 23.9 12.4 37.2



#87

1,3-Dichlorobenzene

Concen: 46.208 ug/l

RT: 13.741 min Scan# 2004

Delta R.T. 0.000 min

Lab File: VN078148.D

Acq: 09 Jun 2023 16:10

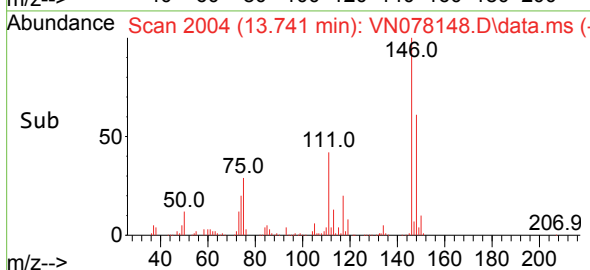
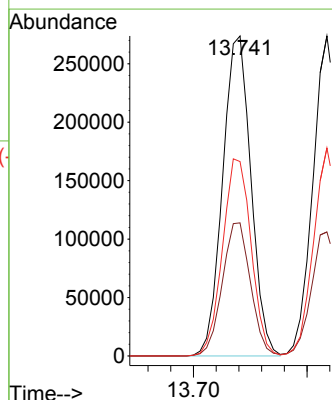
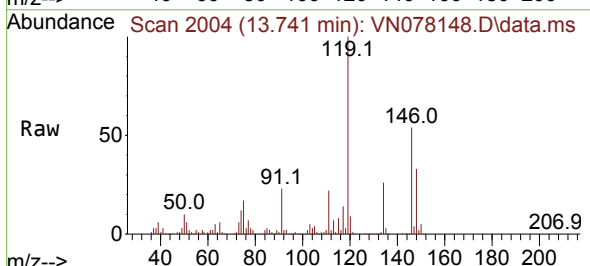
Tgt Ion:146 Resp: 473717

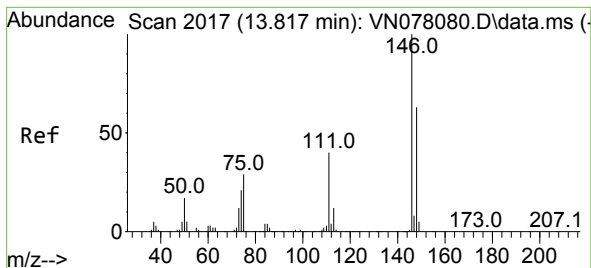
Ion Ratio Lower Upper

146 100

111 41.5 22.1 66.3

148 62.4 32.0 96.0





#88

1,4-Dichlorobenzene

Concen: 45.698 ug/l

RT: 13.817 min Scan# 2017

Delta R.T. 0.000 min

Lab File: VN078148.D

Acq: 09 Jun 2023 16:10

Instrument :

MSVOA\_N

ClientSampleId :

BP-VPB-RW11-GW-698-700MS

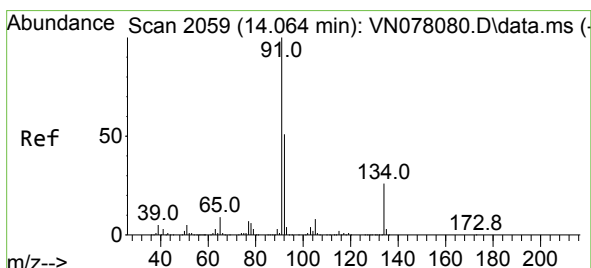
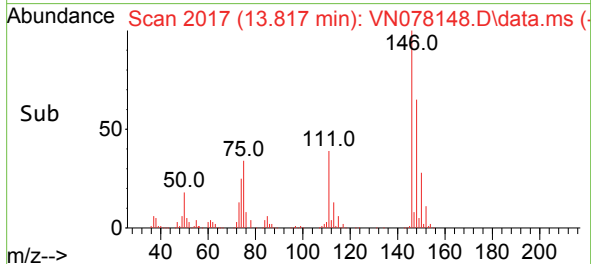
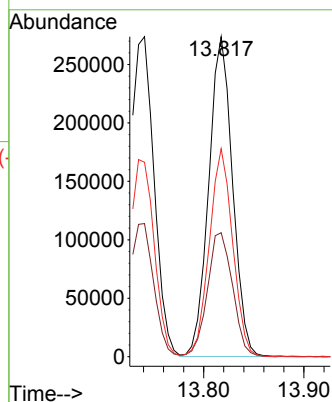
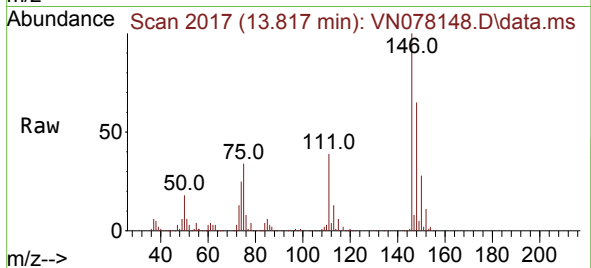
Tgt Ion:146 Resp: 452072

Ion Ratio Lower Upper

146 100

111 41.2 20.6 61.8

148 63.9 31.6 94.8



#89

n-Butylbenzene

Concen: 48.068 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. -0.006 min

Lab File: VN078148.D

Acq: 09 Jun 2023 16:10

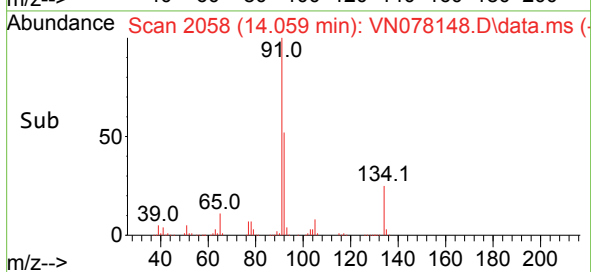
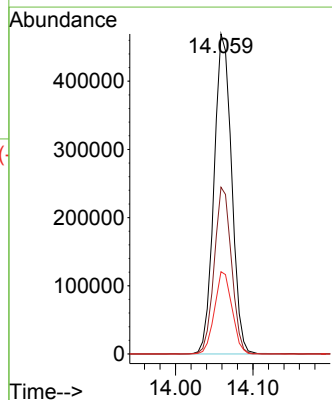
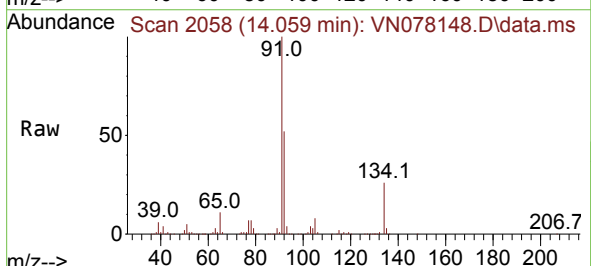
Tgt Ion: 91 Resp: 739938

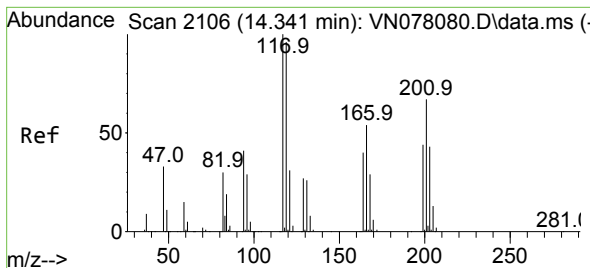
Ion Ratio Lower Upper

91 100

92 51.0 26.4 79.0

134 25.6 12.6 37.6





#90

Hexachloroethane

Concen: 49.005 ug/l

RT: 14.335 min Scan# 2105

Delta R.T. -0.006 min

Lab File: VN078148.D

Acq: 09 Jun 2023 16:10

Instrument :

MSVOA\_N

ClientSampleId :

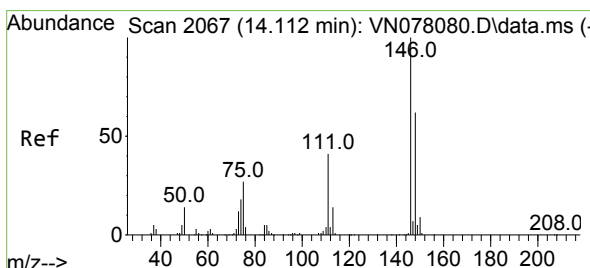
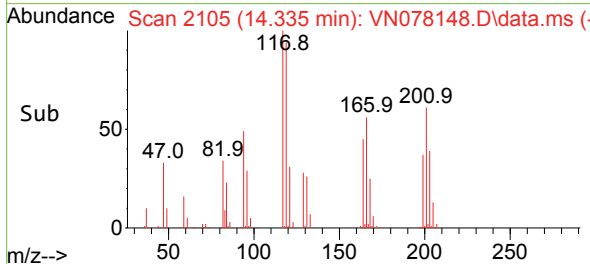
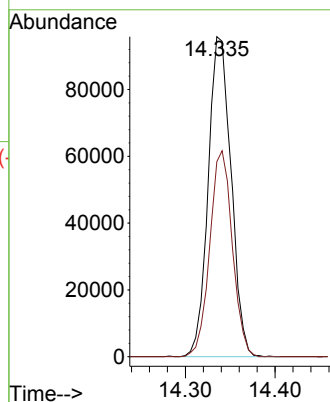
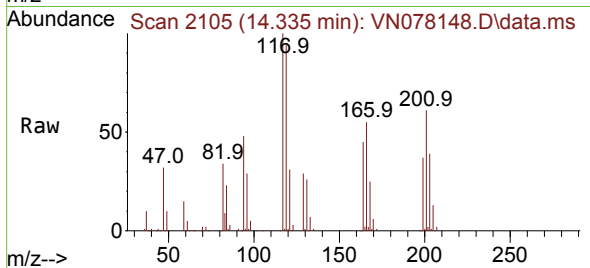
BP-VPB-RW11-GW-698-700MS

Tgt Ion:117 Resp: 169725

Ion Ratio Lower Upper

117 100

201 63.3 29.3 88.0



#91

1,2-Dichlorobenzene

Concen: 46.321 ug/l

RT: 14.112 min Scan# 2067

Delta R.T. 0.000 min

Lab File: VN078148.D

Acq: 09 Jun 2023 16:10

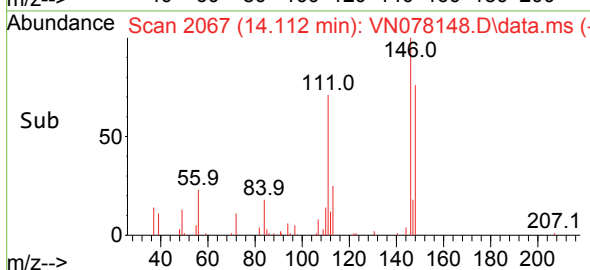
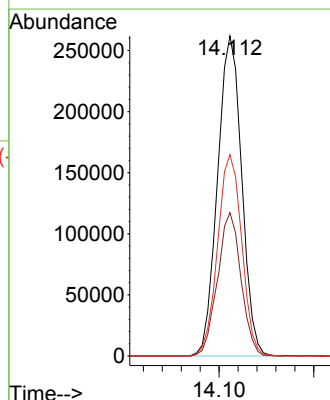
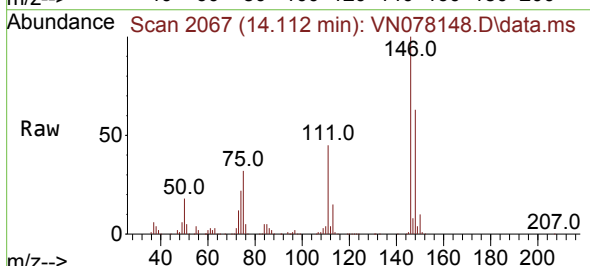
Tgt Ion:146 Resp: 464110

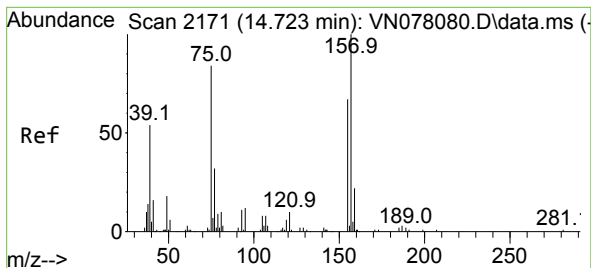
Ion Ratio Lower Upper

146 100

111 43.5 22.0 66.0

148 62.7 31.8 95.3

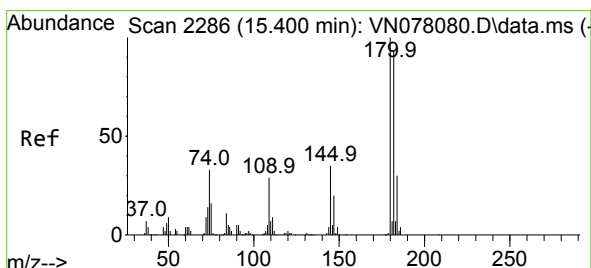
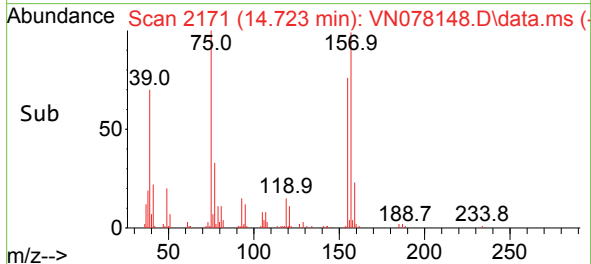
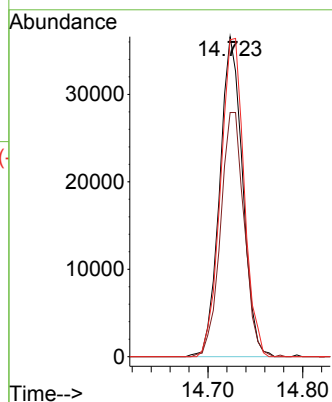
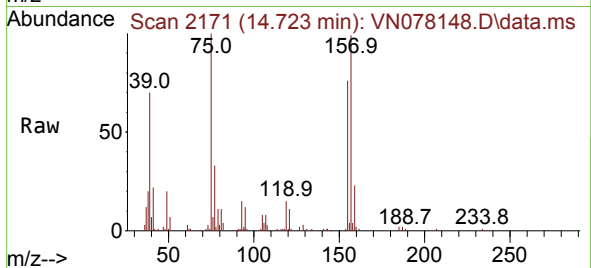




#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 47.507 ug/l  
 RT: 14.723 min Scan# 2171  
 Delta R.T. 0.000 min  
 Lab File: VN078148.D  
 Acq: 09 Jun 2023 16:10

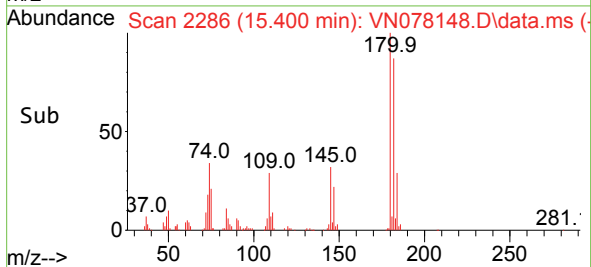
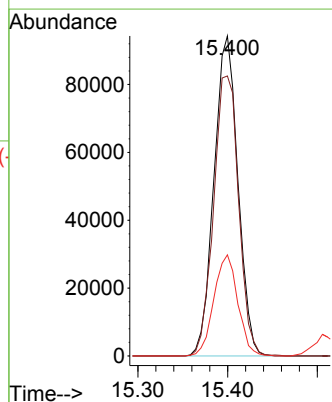
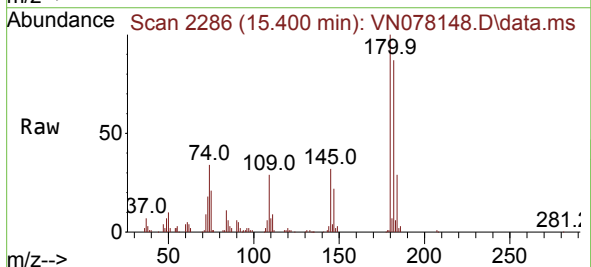
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BP-VPB-RW11-GW-698-700MS

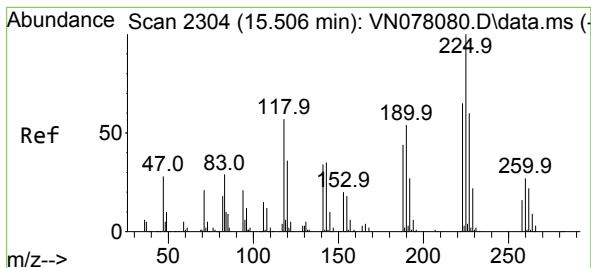
Tgt Ion: 75 Resp: 61437  
 Ion Ratio Lower Upper  
 75 100  
 155 78.9 39.1 117.2  
 157 102.2 50.3 150.9



#93  
 1,2,4-Trichlorobenzene  
 Concen: 48.857 ug/l  
 RT: 15.400 min Scan# 2286  
 Delta R.T. 0.000 min  
 Lab File: VN078148.D  
 Acq: 09 Jun 2023 16:10

Tgt Ion: 180 Resp: 174414  
 Ion Ratio Lower Upper  
 180 100  
 182 91.5 46.1 138.2  
 145 31.6 16.6 49.8





#94

Hexachlorobutadiene

Concen: 52.292 ug/l

RT: 15.506 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN078148.D

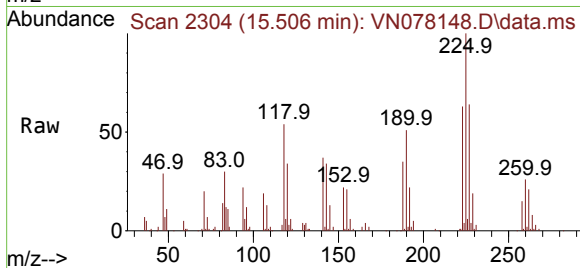
Acq: 09 Jun 2023 16:10

Instrument :

MSVOA\_N

ClientSampleId :

BP-VPB-RW11-GW-698-700MS



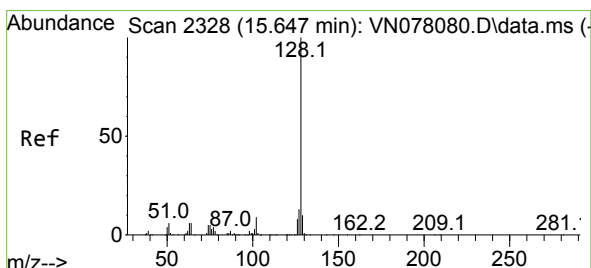
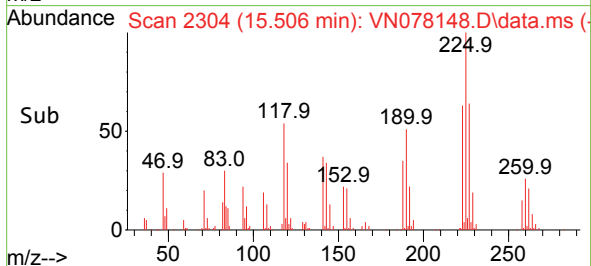
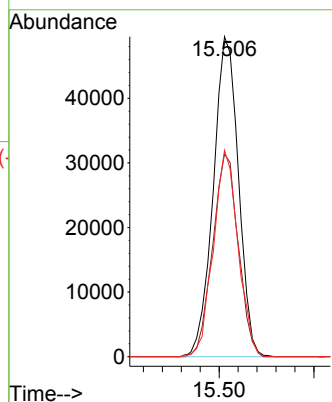
Tgt Ion:225 Resp: 91290

Ion Ratio Lower Upper

225 100

223 64.6 31.3 93.8

227 63.2 31.9 95.9



#95

Naphthalene

Concen: 43.918 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. 0.000 min

Lab File: VN078148.D

Acq: 09 Jun 2023 16:10

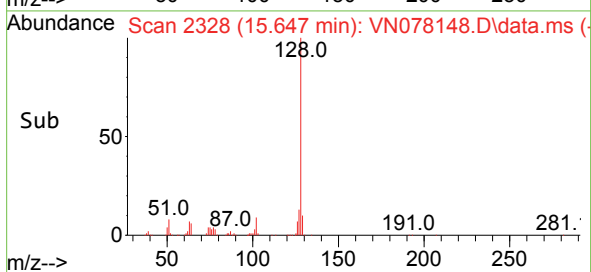
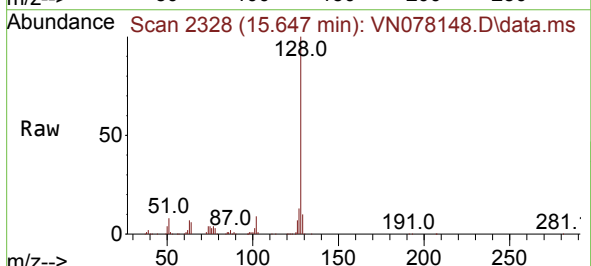
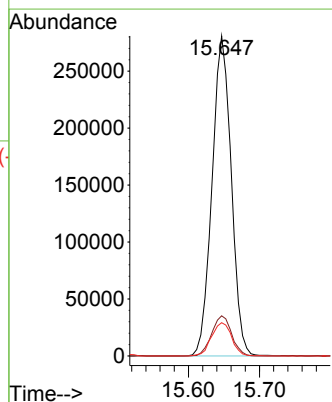
Tgt Ion:128 Resp: 527382

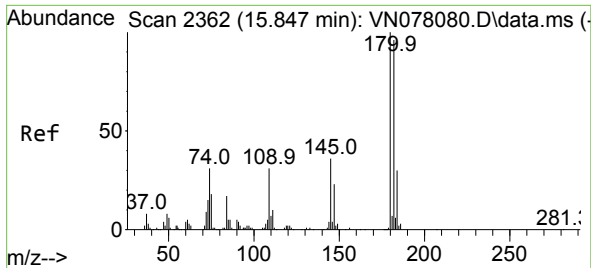
Ion Ratio Lower Upper

128 100

127 13.0 10.0 15.0

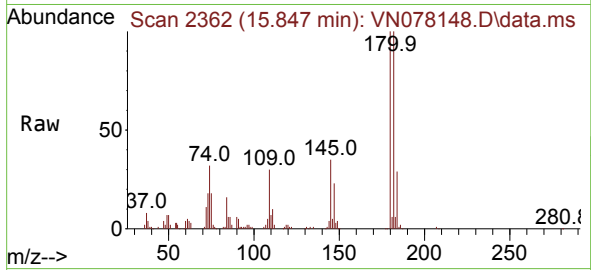
129 10.9 8.7 13.1





#96  
 1,2,3-Trichlorobenzene  
 Concen: 43.825 ug/l  
 RT: 15.847 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VN078148.D  
 Acq: 09 Jun 2023 16:10

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BP-VPB-RW11-GW-698-700MS



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.3  | 46.2  | 138.6 |
| 145     | 34.4  | 17.5  | 52.6  |

