

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011323\  
 Data File : VN076254.D  
 Acq On : 13 Jan 2023 17:27  
 Operator : JC\MD  
 Sample : VN0113MBS01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0113MBS01

Quant Time: Jan 16 01:13:15 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121422W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 14 13:03:41 2022  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                        |        |       |          |          |        |           |
| Internal Standards           |        |       |          |          |        |           |
| 1) Pentafluorobenzene        | 8.230  | 168   | 196485   | 50.000   | ug/l   | 0.00      |
| 34) 1,4-Difluorobenzene      | 9.106  | 114   | 367372   | 50.000   | ug/l   | 0.00      |
| 63) Chlorobenzene-d5         | 11.870 | 117   | 323622   | 50.000   | ug/l   | 0.00      |
| 72) 1,4-Dichlorobenzene-d4   | 13.794 | 152   | 136952   | 50.000   | ug/l   | 0.00      |
| System Monitoring Compounds  |        |       |          |          |        |           |
| 33) 1,2-Dichloroethane-d4    | 8.582  | 65    | 161855   | 75.719   | ug/l   | 0.00      |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | =      | 151.440%# |
| 35) Dibromofluoromethane     | 8.171  | 113   | 135955   | 59.758   | ug/l   | 0.00      |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 119.520%  |
| 50) Toluene-d8               | 10.571 | 98    | 386247   | 45.407   | ug/l   | 0.00      |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | =      | 90.820%   |
| 62) 4-Bromofluorobenzene     | 12.853 | 95    | 132310   | 46.962   | ug/l   | 0.00      |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | =      | 93.920%   |
| Target Compounds             |        |       |          |          |        | Qvalue    |
| 2) Dichlorodifluoromethane   | 2.136  | 85    | 24699    | 17.704   | ug/l   | 99        |
| 3) Chloromethane             | 2.377  | 50    | 43620    | 25.144   | ug/l   | 99        |
| 4) Vinyl Chloride            | 2.524  | 62    | 41525    | 20.067   | ug/l   | 98        |
| 5) Bromomethane              | 2.953  | 94    | 46309    | 26.332   | ug/l   | 93        |
| 6) Chloroethane              | 3.124  | 64    | 38848    | 25.351   | ug/l   | 96        |
| 7) Trichlorofluoromethane    | 3.500  | 101   | 48155    | 15.336   | ug/l   | 93        |
| 8) Diethyl Ether             | 3.983  | 74    | 35191    | 30.684   | ug/l   | 99        |
| 9) 1,1,2-Trichlorotrifluo... | 4.383  | 101   | 27125    | 15.128   | ug/l   | 99        |
| 10) Methyl Iodide            | 4.606  | 142   | 69782    | 23.981   | ug/l   | 96        |
| 11) Tert butyl alcohol       | 5.530  | 59    | 52323    | 172.989  | ug/l   | 98        |
| 12) 1,1-Dichloroethene       | 4.353  | 96    | 30072    | 17.269   | ug/l   | 95        |
| 13) Acrolein                 | 4.194  | 56    | 54926    | 148.124  | ug/l   | 96        |
| 14) Allyl chloride           | 5.036  | 41    | 47959    | 23.559   | ug/l   | 92        |
| 15) Acrylonitrile            | 5.736  | 53    | 134966   | 163.514  | ug/l   | 100       |
| 16) Acetone                  | 4.447  | 43    | 110156   | 149.493  | ug/l   | 92        |
| 17) Carbon Disulfide         | 4.730  | 76    | 63557    | 15.074   | ug/l   | 100       |
| 18) Methyl Acetate           | 5.042  | 43    | 77976    | 35.800   | ug/l   | 98        |
| 19) Methyl tert-butyl Ether  | 5.812  | 73    | 193809   | 33.796   | ug/l   | 94        |
| 20) Methylene Chloride       | 5.289  | 84    | 58275    | 29.299   | ug/l   | 96        |
| 21) trans-1,2-Dichloroethene | 5.794  | 96    | 38900    | 20.397   | ug/l   | 96        |
| 22) Diisopropyl ether        | 6.683  | 45    | 149053   | 30.141   | ug/l   | 97        |
| 23) Vinyl Acetate            | 6.618  | 43    | 513747   | 154.346  | ug/l   | 100       |
| 24) 1,1-Dichloroethane       | 6.583  | 63    | 84022    | 25.476   | ug/l   | 99        |
| 25) 2-Butanone               | 7.494  | 43    | 167562   | 162.407  | ug/l   | 100       |
| 26) 2,2-Dichloropropane      | 7.494  | 77    | 51870    | 18.571   | ug/l   | 95        |
| 27) cis-1,2-Dichloroethene   | 7.500  | 96    | 58031    | 25.442   | ug/l   | 100       |
| 28) Bromochloromethane       | 7.824  | 49    | 38364    | 26.539   | ug/l # | 99        |
| 29) Tetrahydrofuran          | 7.847  | 42    | 106985   | 165.467  | ug/l   | 99        |
| 30) Chloroform               | 7.971  | 83    | 95894    | 25.824   | ug/l   | 93        |
| 31) Cyclohexane              | 8.265  | 56    | 42701    | 13.948   | ug/l   | 96        |
| 32) 1,1,1-Trichloroethane    | 8.171  | 97    | 64339    | 19.544   | ug/l   | 98        |
| 36) 1,1-Dichloropropene      | 8.377  | 75    | 44726    | 14.799   | ug/l   | 98        |
| 37) Ethyl Acetate            | 7.565  | 43    | 71722    | 29.545   | ug/l   | 100       |
| 38) Carbon Tetrachloride     | 8.371  | 117   | 48161    | 14.238   | ug/l   | 92        |
| 39) Methylcyclohexane        | 9.606  | 83    | 45336    | 12.434   | ug/l   | 95        |
| 40) Benzene                  | 8.612  | 78    | 189551   | 20.328   | ug/l   | 94        |

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 Sample : VN0113MBS01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0113MBS01

Quant Time: Jan 16 01:13:15 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121422W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 14 13:03:41 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.788  | 41   | 36875    | 29.223  | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 8.677  | 62   | 81037    | 26.141  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.694  | 43   | 130958   | 32.703  | ug/l   | 93       |
| 44) Trichloroethene           | 9.353  | 130  | 45186    | 17.201  | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 9.624  | 63   | 51007    | 22.479  | ug/l   | 96       |
| 46) Dibromomethane            | 9.712  | 93   | 41464    | 24.637  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.894  | 83   | 75469    | 22.867  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.682  | 41   | 53135    | 29.461  | ug/l   | 97       |
| 49) 1,4-Dioxane               | 9.700  | 88   | 24559    | 553.880 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 354727   | 146.476 | ug/l   | 98       |
| 52) Toluene                   | 10.635 | 92   | 110638   | 18.218  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 73202    | 22.658  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.318 | 75   | 80119    | 22.587  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 60596    | 25.422  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.876 | 69   | 86773    | 27.407  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 98930    | 25.303  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.165 | 63   | 146127   | 144.963 | ug/l   | 98       |
| 59) 2-Hexanone                | 11.200 | 43   | 257073   | 145.560 | ug/l   | 98       |
| 60) Dibromochloromethane      | 11.359 | 129  | 61004    | 23.013  | ug/l   | 96       |
| 61) 1,2-Dibromoethane         | 11.470 | 107  | 60994    | 25.286  | ug/l   | 99       |
| 64) Tetrachloroethene         | 11.106 | 164  | 45433    | 19.951  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.894 | 112  | 121687   | 18.320  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.965 | 131  | 52203    | 21.218  | ug/l   | 100      |
| 67) Ethyl Benzene             | 11.965 | 91   | 185954   | 16.588  | ug/l   | 99       |
| 68) m/p-Xylenes               | 12.070 | 106  | 146741   | 33.071  | ug/l   | 99       |
| 69) o-Xylene                  | 12.400 | 106  | 79485    | 18.102  | ug/l   | 99       |
| 70) Styrene                   | 12.412 | 104  | 131361   | 18.815  | ug/l   | 99       |
| 71) Bromoform                 | 12.582 | 173  | 43962    | 24.557  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.700 | 105  | 174544   | 17.637  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.494 | 43   | 91318    | 31.452  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 84796    | 27.716  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 102992   | 37.308  | ug/l   | 54       |
| 77) Bromobenzene              | 12.982 | 156  | 54752    | 21.860  | ug/l   | 96       |
| 78) n-propylbenzene           | 13.035 | 91   | 187045   | 17.136  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.129 | 91   | 130483   | 19.150  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 155369   | 18.757  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.741 | 75   | 20969    | 27.341  | ug/l   | 91       |
| 82) 4-Chlorotoluene           | 13.129 | 91   | 130483   | 19.150  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.441 | 119  | 131532   | 18.011  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.488 | 105  | 157127   | 19.122  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.617 | 105  | 167817   | 16.649  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.735 | 119  | 144826   | 17.267  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 86941    | 18.792  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 84627    | 17.905  | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.059 | 91   | 103918   | 15.294  | ug/l   | 100      |
| 90) Hexachloroethane          | 14.335 | 117  | 24239    | 16.156  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 96468    | 21.169  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.723 | 75   | 14774    | 27.214  | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 42350    | 18.771  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.506 | 225  | 18227    | 14.808  | ug/l   | 94       |
| 95) Naphthalene               | 15.641 | 128  | 163747   | 23.190  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.847 | 180  | 42321    | 20.070  | ug/l   | 96       |

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Data File : VN076254.D  
Acq On : 13 Jan 2023 17:27  
Operator : JC\MD  
Sample : VN0113MBSD01  
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 20 Sample Multiplier: 1

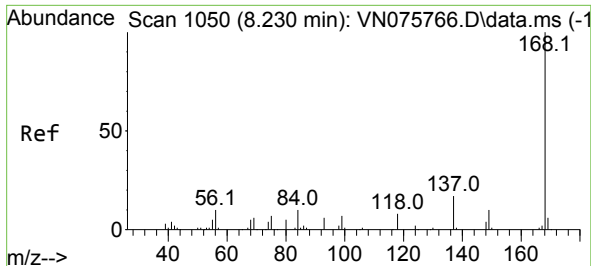
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0113MBSD01

Quant Time: Jan 16 01:13:15 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121422W.M  
Quant Title : SW846 8260  
QLast Update : Wed Dec 14 13:03:41 2022  
Response via : Initial Calibration

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

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

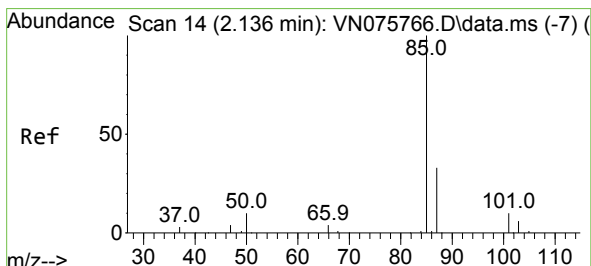
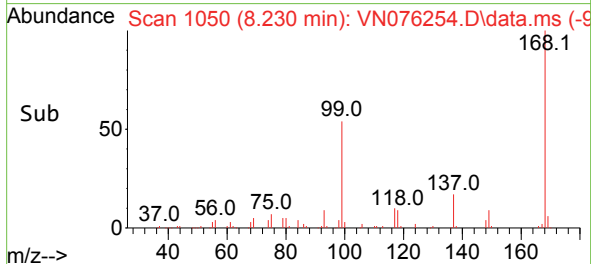
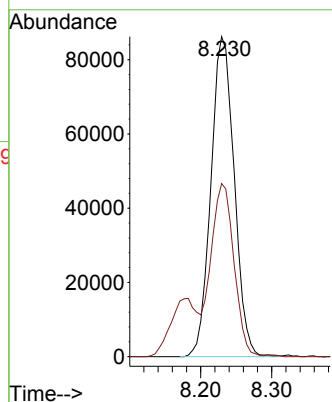
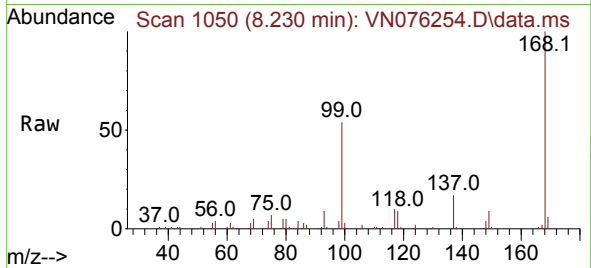




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1050  
Delta R.T. -0.000 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

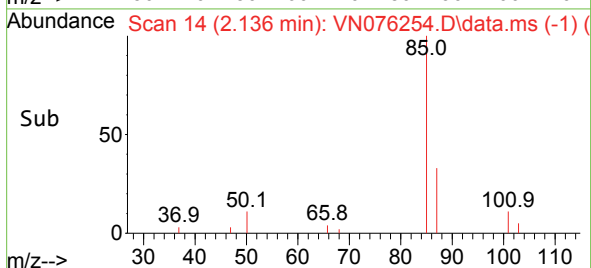
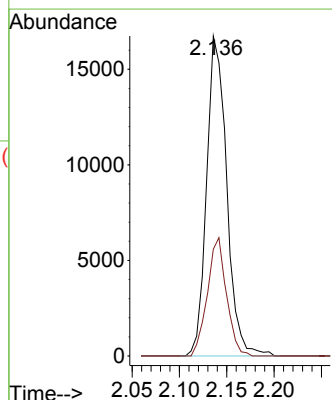
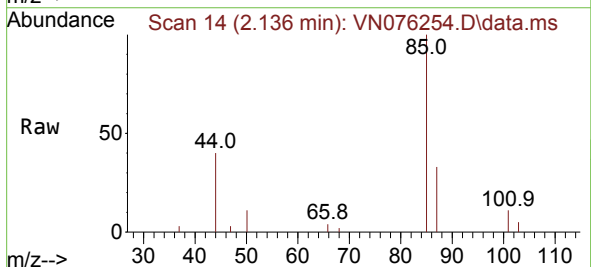
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0113MBS01

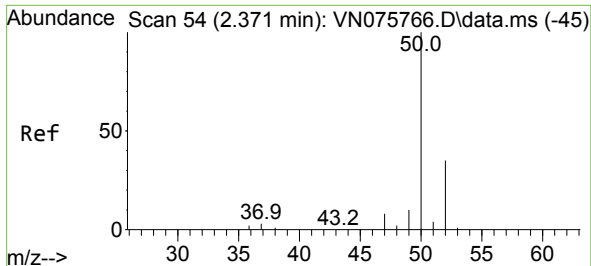
Tgt Ion:168 Resp: 196485  
Ion Ratio Lower Upper  
168 100  
99 53.8 44.2 66.4



#2  
Dichlorodifluoromethane  
Concen: 17.704 ug/l  
RT: 2.136 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

Tgt Ion: 85 Resp: 24699  
Ion Ratio Lower Upper  
85 100  
87 33.3 16.3 48.9

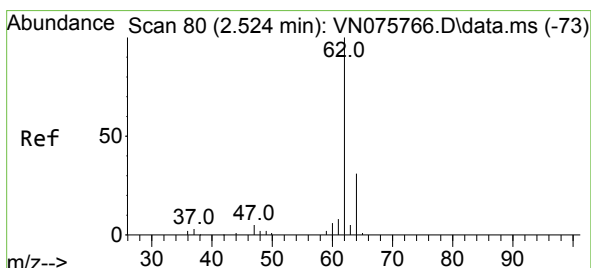
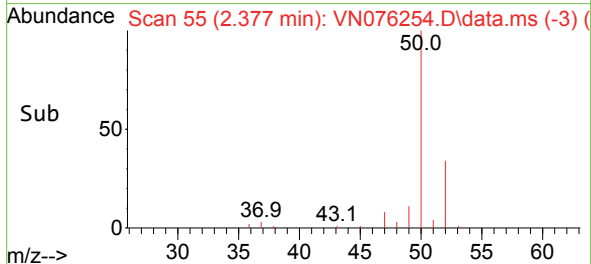
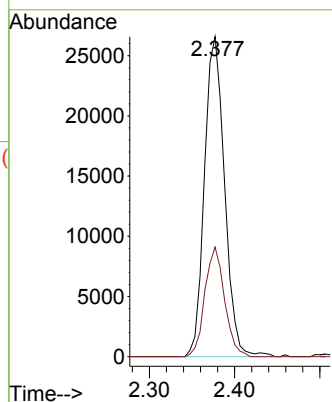
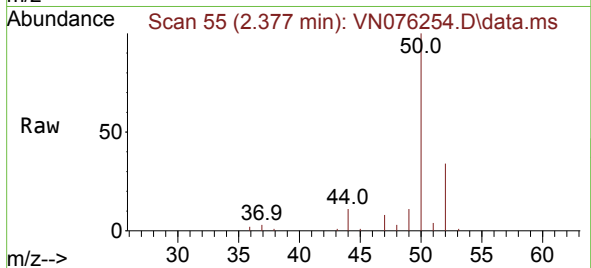




#3  
Chloromethane  
Concen: 25.144 ug/l  
RT: 2.377 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

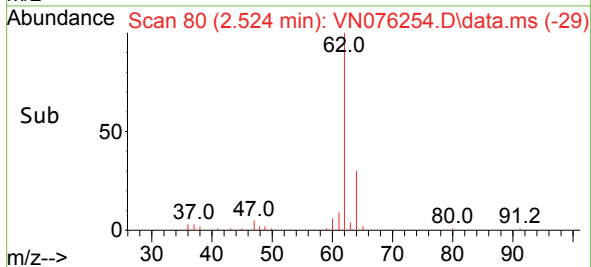
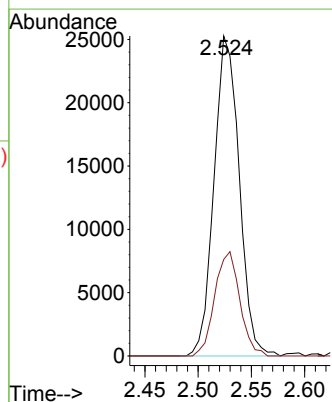
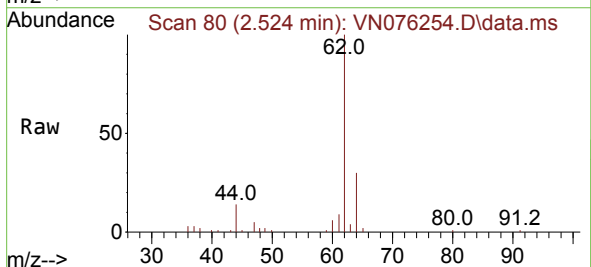
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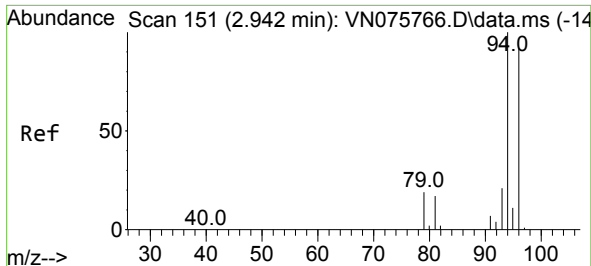
Tgt Ion: 50 Resp: 43620  
Ion Ratio Lower Upper  
50 100  
52 34.3 27.7 41.5



#4  
Vinyl Chloride  
Concen: 20.067 ug/l  
RT: 2.524 min Scan# 80  
Delta R.T. -0.000 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

Tgt Ion: 62 Resp: 41525  
Ion Ratio Lower Upper  
62 100  
64 30.1 24.9 37.3

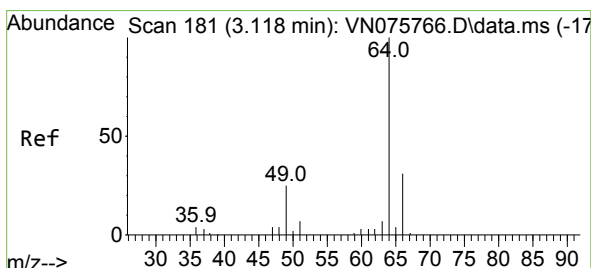
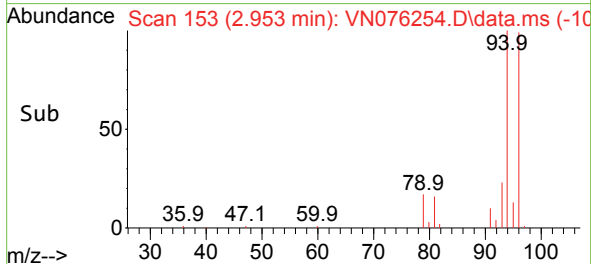
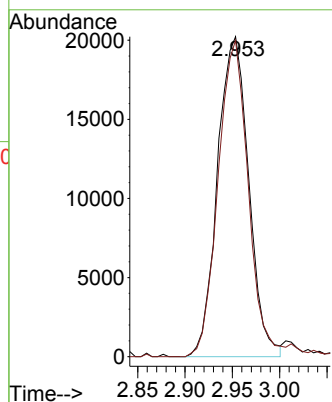
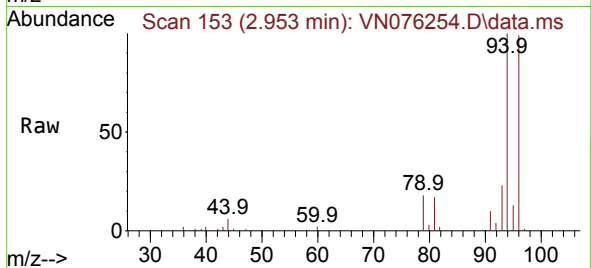




#5  
Bromomethane  
Concen: 26.332 ug/l  
RT: 2.953 min Scan# 151  
Delta R.T. 0.012 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

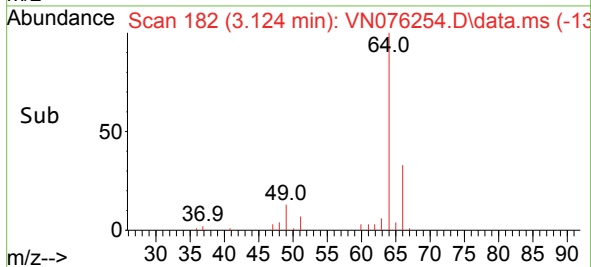
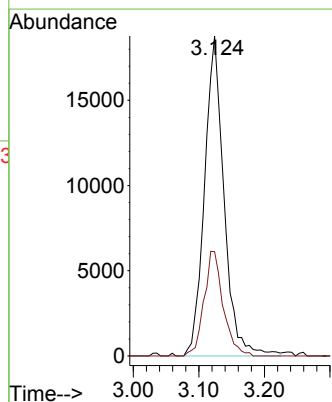
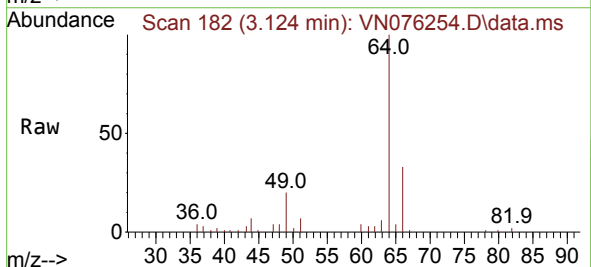
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0113MBS01

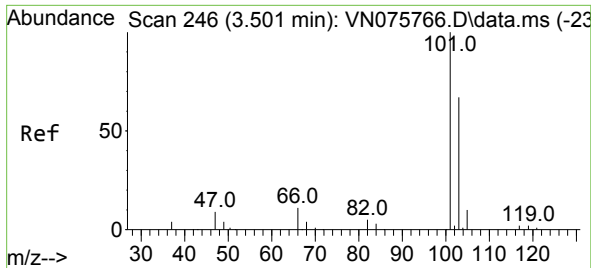
Tgt Ion: 94 Resp: 46309  
Ion Ratio Lower Upper  
94 100  
96 98.9 73.8 110.6



#6  
Chloroethane  
Concen: 25.351 ug/l  
RT: 3.124 min Scan# 182  
Delta R.T. 0.006 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

Tgt Ion: 64 Resp: 38848  
Ion Ratio Lower Upper  
64 100  
66 32.6 24.6 36.8

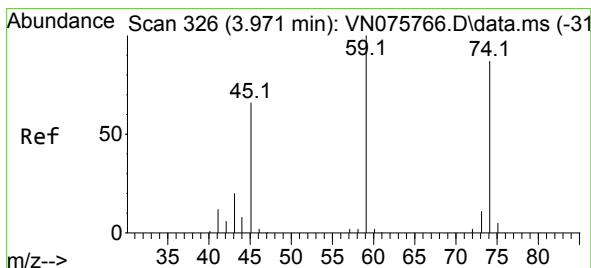
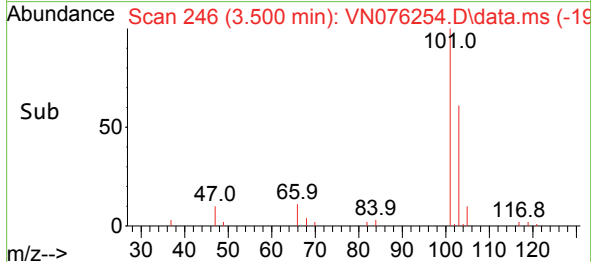
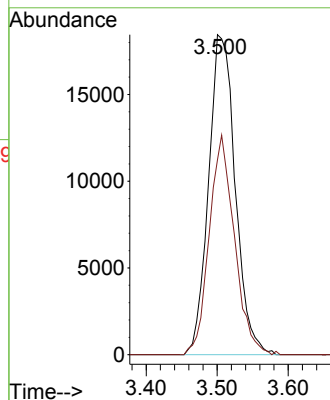
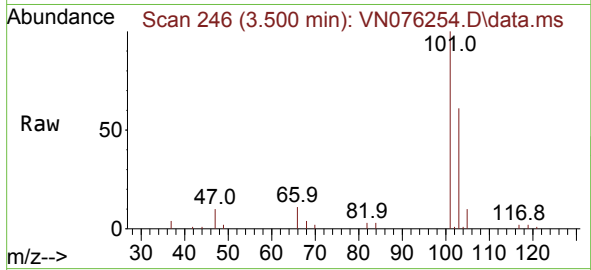




#7  
Trichlorofluoromethane  
Concen: 15.336 ug/l  
RT: 3.500 min Scan# 246  
Delta R.T. -0.000 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

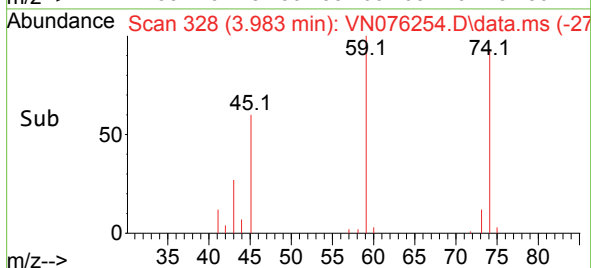
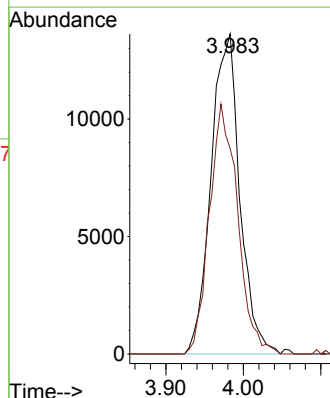
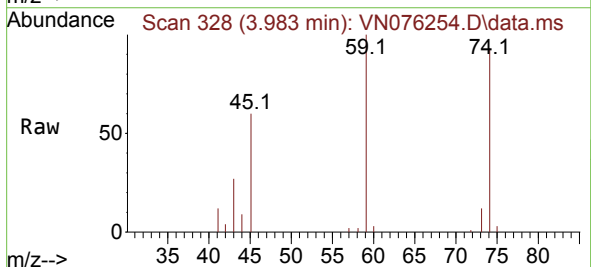
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0113MBSD01

Tgt Ion:101 Resp: 48155  
Ion Ratio Lower Upper  
101 100  
103 60.9 53.4 80.2

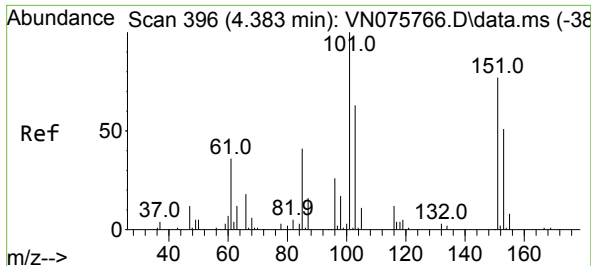


#8  
Diethyl Ether  
Concen: 30.684 ug/l  
RT: 3.983 min Scan# 328  
Delta R.T. 0.012 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

Tgt Ion: 74 Resp: 35191  
Ion Ratio Lower Upper  
74 100  
45 76.8 37.8 113.4



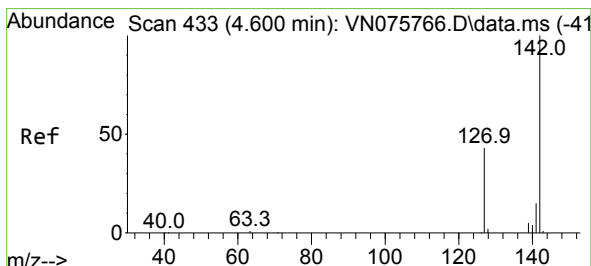
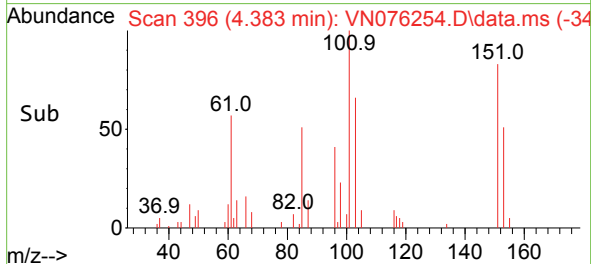
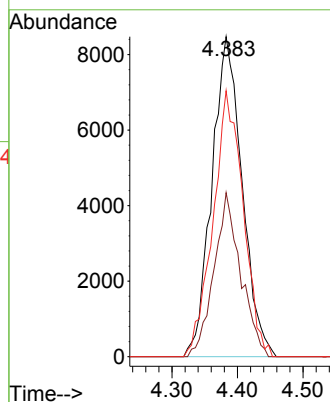
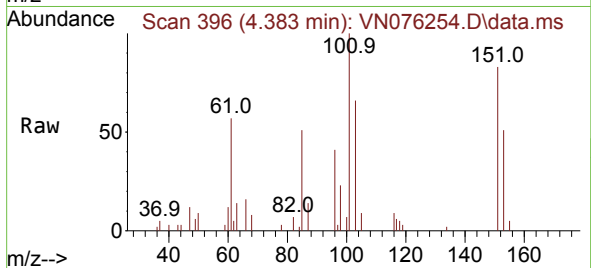




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 15.128 ug/l  
RT: 4.383 min Scan# 396  
Delta R.T. -0.000 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

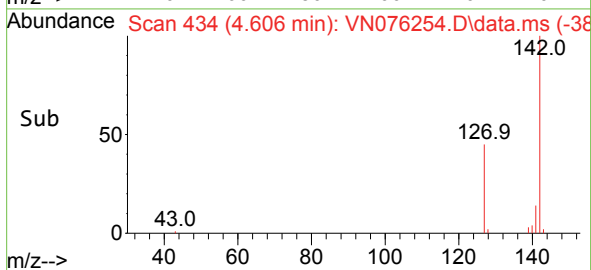
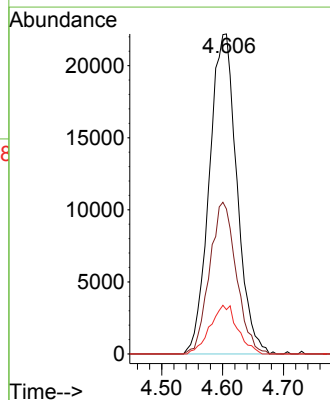
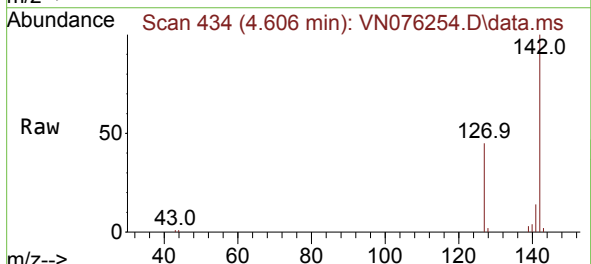
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0113MBSD01

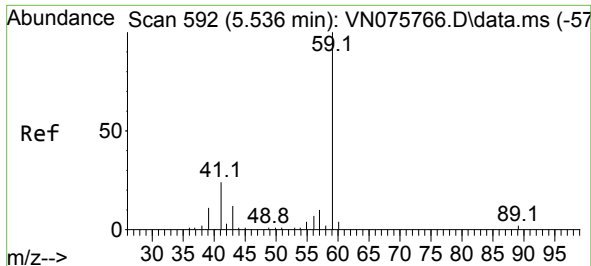
Tgt Ion:101 Resp: 27125  
Ion Ratio Lower Upper  
101 100  
85 45.2 35.3 52.9  
151 82.8 65.6 98.4



#10  
Methyl Iodide  
Concen: 23.981 ug/l  
RT: 4.606 min Scan# 434  
Delta R.T. 0.006 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

Tgt Ion:142 Resp: 69782  
Ion Ratio Lower Upper  
142 100  
127 46.1 34.7 52.1  
141 15.3 11.4 17.2

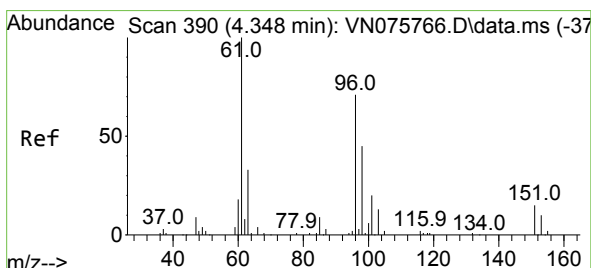
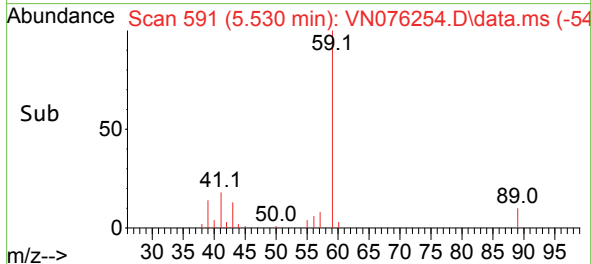
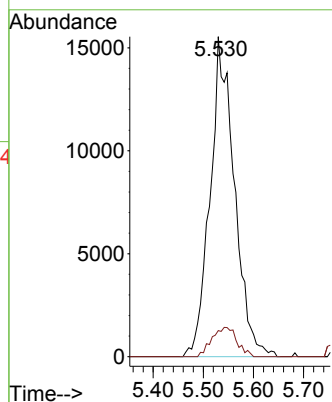
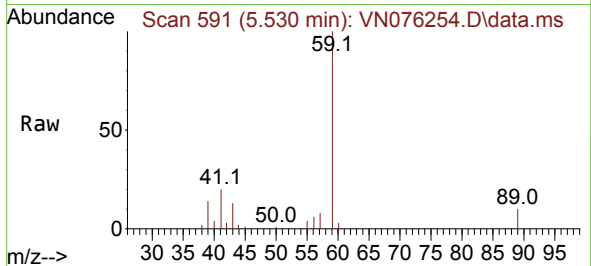




#11  
Tert butyl alcohol  
Concen: 172.989 ug/l  
RT: 5.530 min Scan# 591  
Delta R.T. -0.006 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

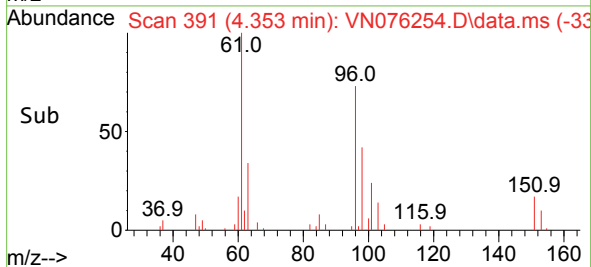
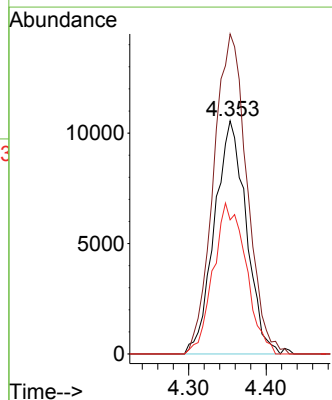
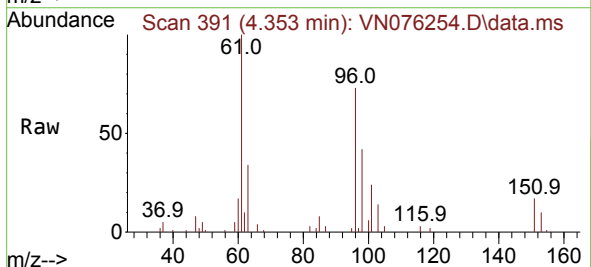
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0113MBS01

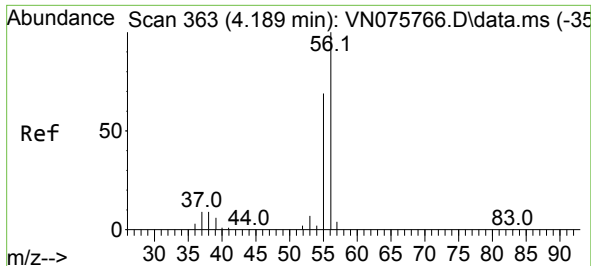
Tgt Ion: 59 Resp: 52323  
Ion Ratio Lower Upper  
59 100  
57 9.5 8.2 12.4



#12  
1,1-Dichloroethene  
Concen: 17.269 ug/l  
RT: 4.353 min Scan# 391  
Delta R.T. 0.006 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

Tgt Ion: 96 Resp: 30072  
Ion Ratio Lower Upper  
96 100  
61 137.3 113.3 169.9  
98 57.6 50.9 76.3

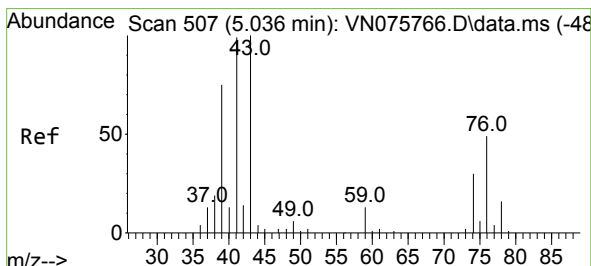
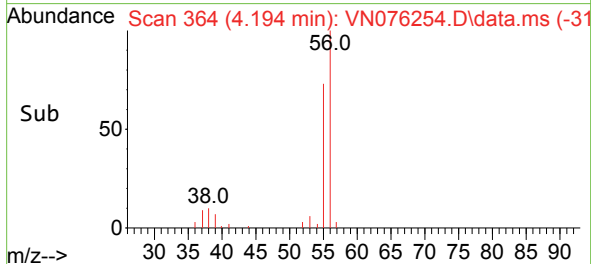
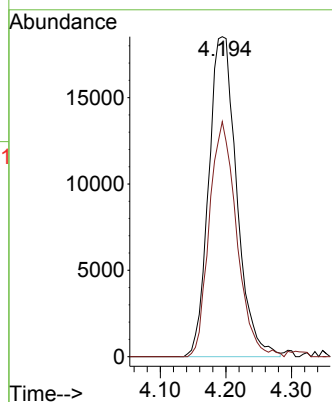
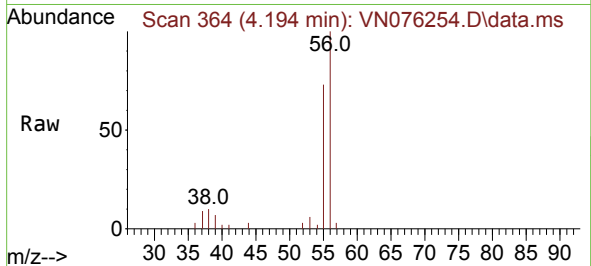




#13  
Acrolein  
Concen: 148.124 ug/l  
RT: 4.194 min Scan# 364  
Delta R.T. 0.006 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

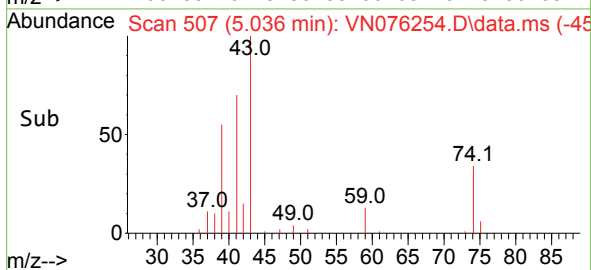
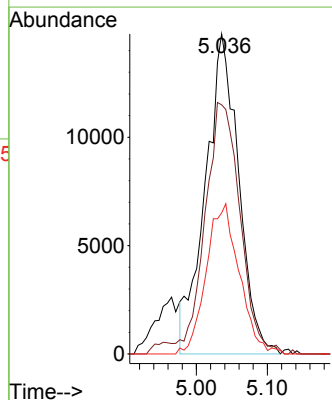
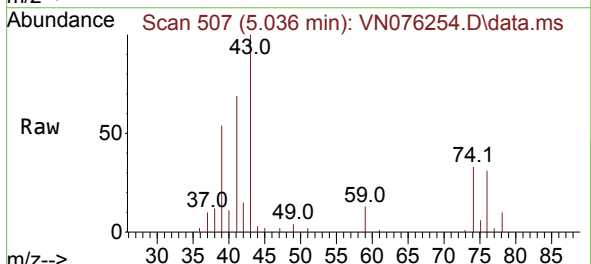
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0113MBS01

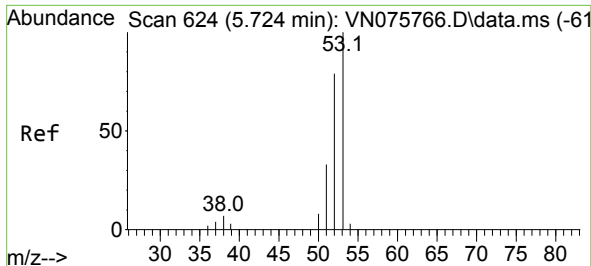
Tgt Ion: 56 Resp: 54926  
Ion Ratio Lower Upper  
56 100  
55 71.5 54.8 82.2



#14  
Allyl chloride  
Concen: 23.559 ug/l  
RT: 5.036 min Scan# 507  
Delta R.T. -0.000 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

Tgt Ion: 41 Resp: 47959  
Ion Ratio Lower Upper  
41 100  
39 82.3 58.3 87.5  
76 46.8 35.8 53.6

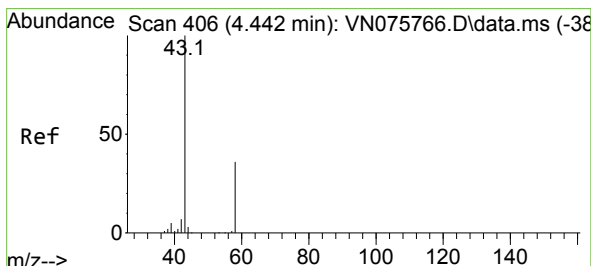
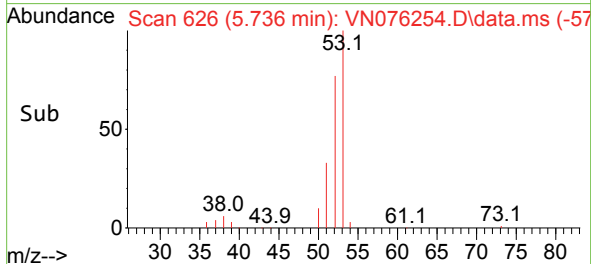
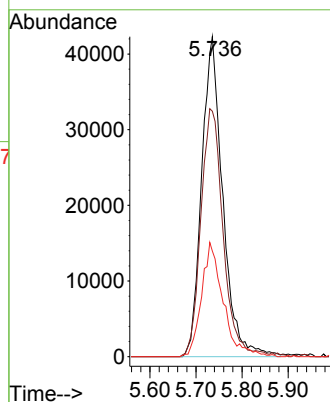
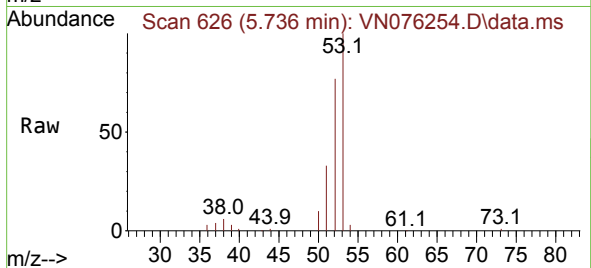




#15  
Acrylonitrile  
Concen: 163.514 ug/l  
RT: 5.736 min Scan# 61  
Delta R.T. 0.012 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

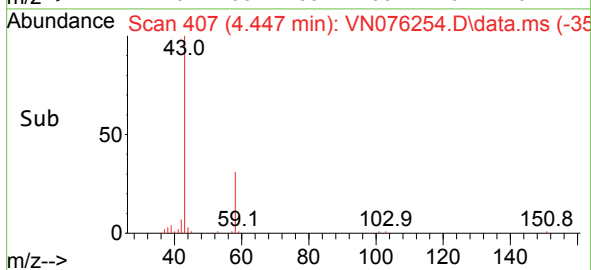
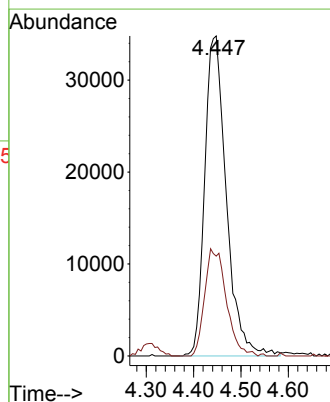
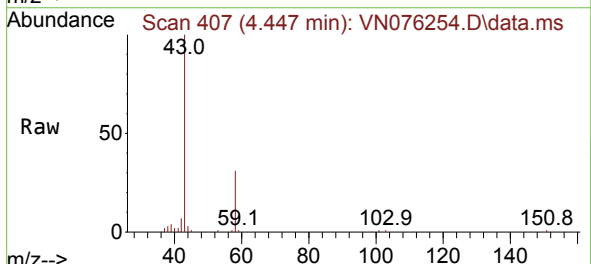
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0113MBSD01

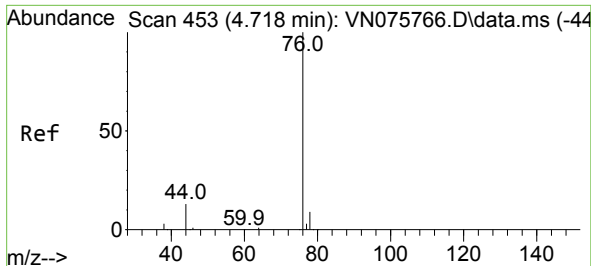
Tgt Ion: 53 Resp: 134966  
Ion Ratio Lower Upper  
53 100  
52 81.6 65.4 98.0  
51 36.6 28.9 43.3



#16  
Acetone  
Concen: 149.493 ug/l  
RT: 4.447 min Scan# 407  
Delta R.T. 0.006 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

Tgt Ion: 43 Resp: 110156  
Ion Ratio Lower Upper  
43 100  
58 31.2 28.6 43.0

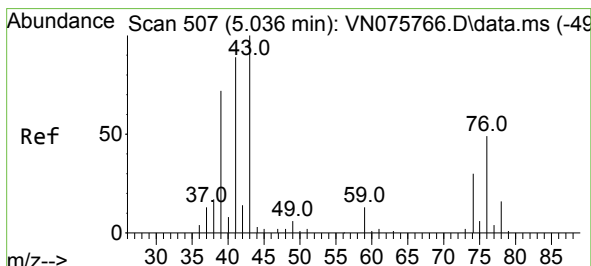
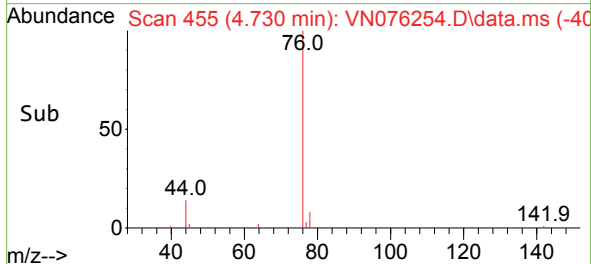
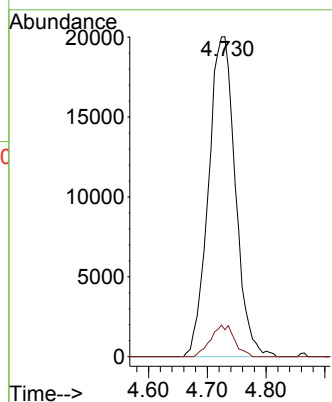
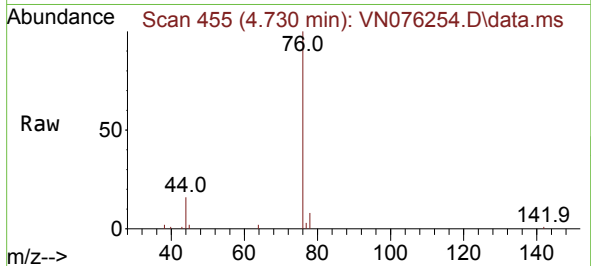




#17  
Carbon Disulfide  
Concen: 15.074 ug/l  
RT: 4.730 min Scan# 411  
Delta R.T. 0.012 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

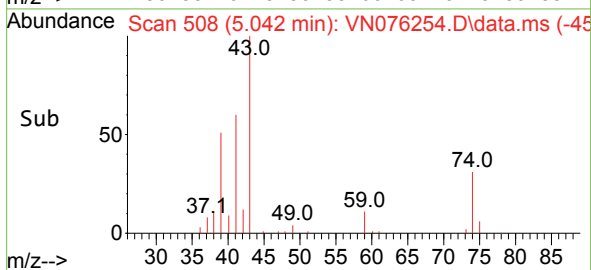
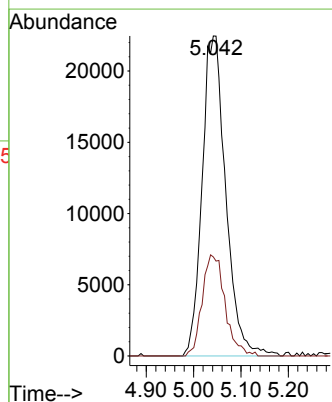
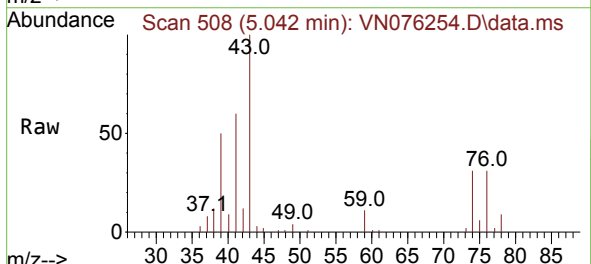
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0113MBSD01

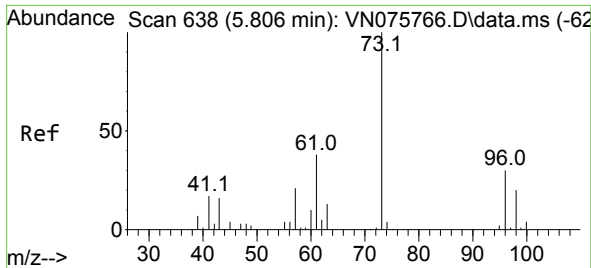
Tgt Ion: 76 Resp: 63557  
Ion Ratio Lower Upper  
76 100  
78 8.5 6.8 10.2



#18  
Methyl Acetate  
Concen: 35.800 ug/l  
RT: 5.042 min Scan# 508  
Delta R.T. 0.006 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

Tgt Ion: 43 Resp: 77976  
Ion Ratio Lower Upper  
43 100  
74 30.5 23.6 35.4

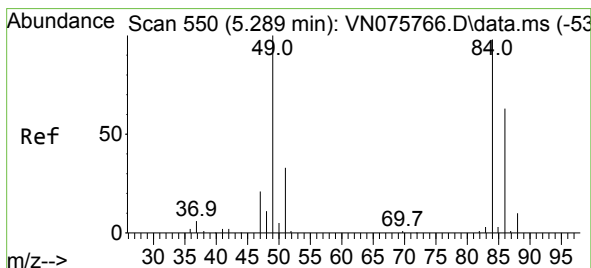
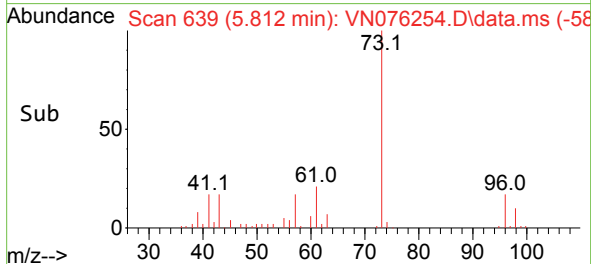
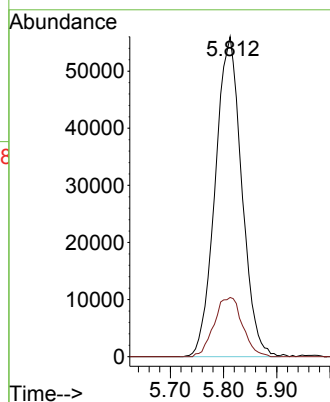
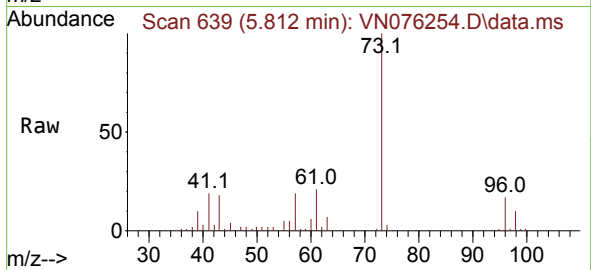




#19  
Methyl tert-butyl Ether  
Concen: 33.796 ug/l  
RT: 5.812 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

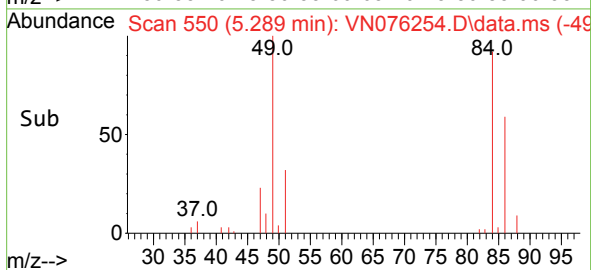
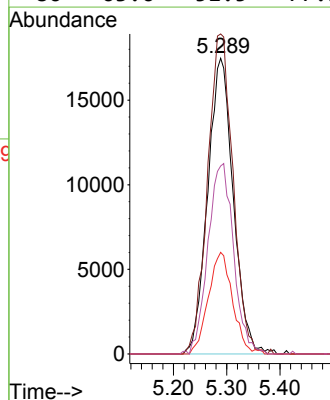
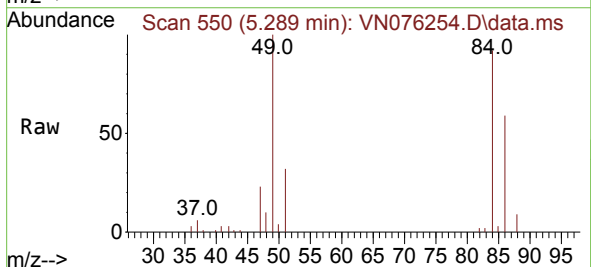
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0113MBS01

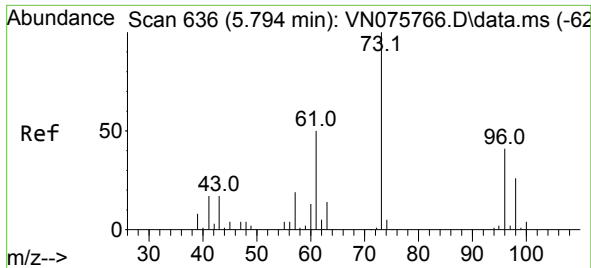
Tgt Ion: 73 Resp: 193809  
Ion Ratio Lower Upper  
73 100  
57 18.5 17.1 25.7



#20  
Methylene Chloride  
Concen: 29.299 ug/l  
RT: 5.289 min Scan# 550  
Delta R.T. -0.000 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

Tgt Ion: 84 Resp: 58275  
Ion Ratio Lower Upper  
84 100  
49 108.2 81.8 122.6  
51 34.4 26.7 40.1  
86 63.6 51.5 77.3

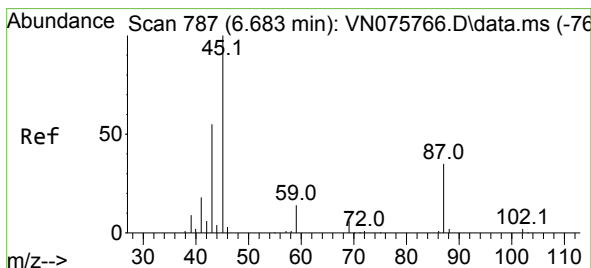
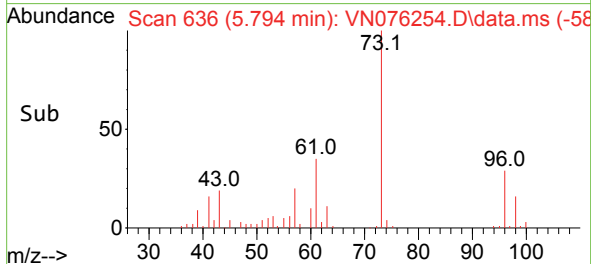
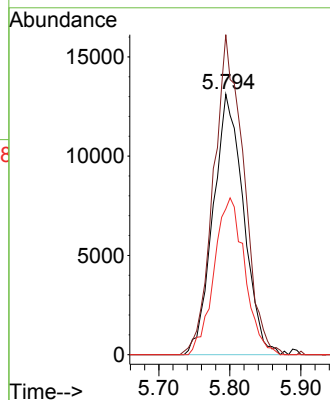
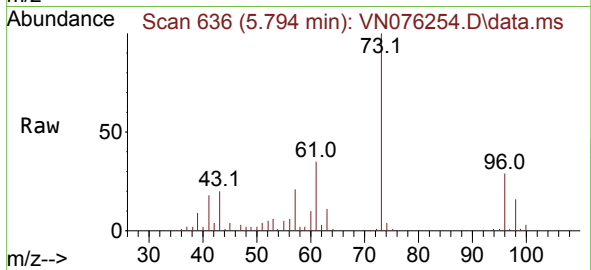




#21  
trans-1,2-Dichloroethene  
Concen: 20.397 ug/l  
RT: 5.794 min Scan# 611  
Delta R.T. -0.000 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

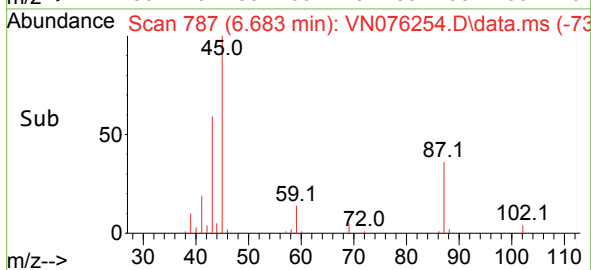
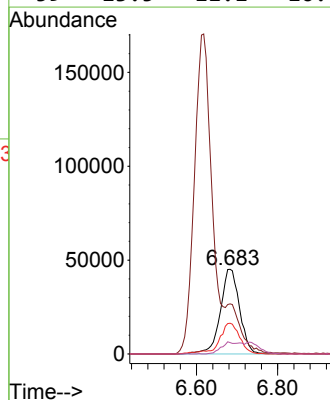
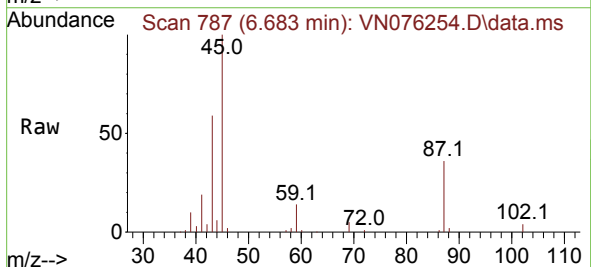
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0113MBSD01

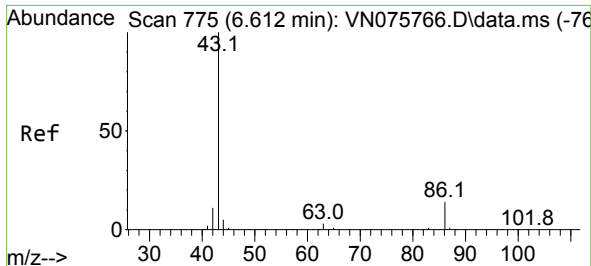
Tgt Ion: 96 Resp: 38900  
Ion Ratio Lower Upper  
96 100  
61 122.8 98.1 147.1  
98 56.0 51.4 77.2



#22  
Diisopropyl ether  
Concen: 30.141 ug/l  
RT: 6.683 min Scan# 787  
Delta R.T. -0.000 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

Tgt Ion: 45 Resp: 149053  
Ion Ratio Lower Upper  
45 100  
43 58.0 44.2 66.4  
87 36.3 28.3 42.5  
59 13.5 11.1 16.7

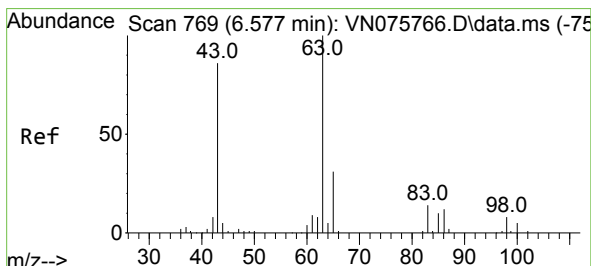
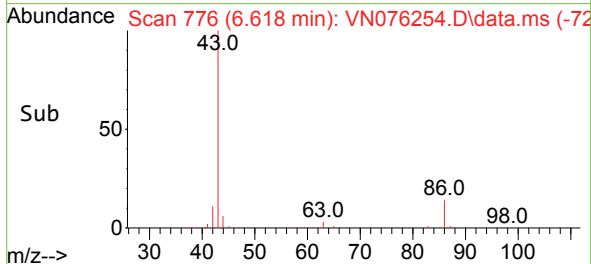
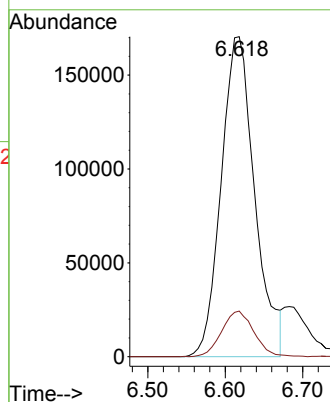
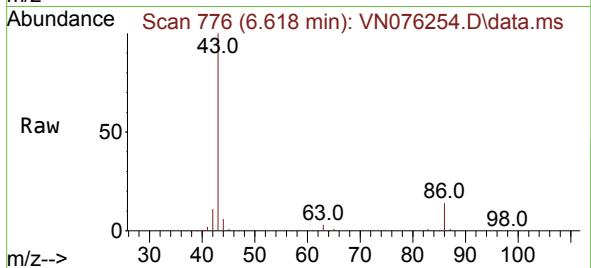




#23  
 Vinyl Acetate  
 Concen: 154.346 ug/l  
 RT: 6.618 min Scan# 775  
 Delta R.T. 0.006 min  
 Lab File: VN076254.D  
 Acq: 13 Jan 2023 17:27

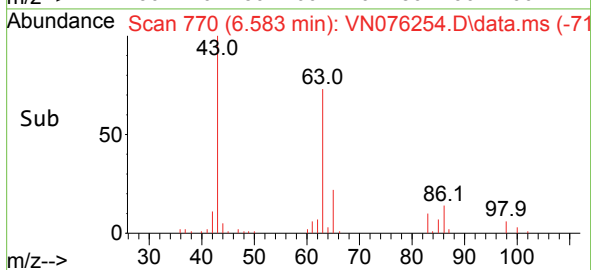
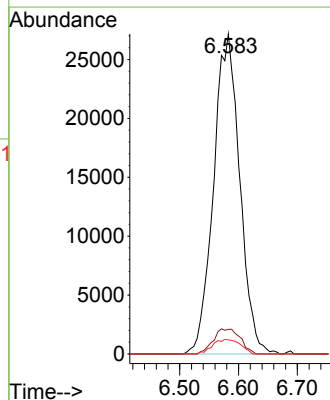
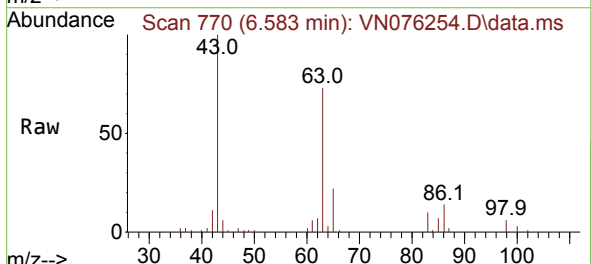
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0113MBSD01

Tgt Ion: 43 Resp: 513747  
 Ion Ratio Lower Upper  
 43 100  
 86 14.3 11.4 17.2

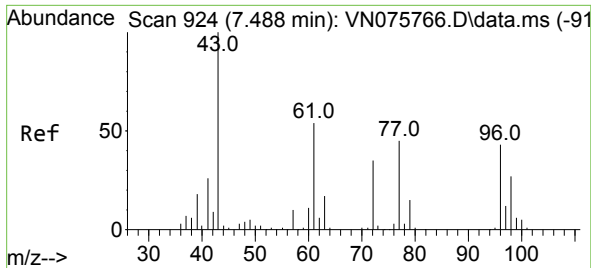


#24  
 1,1-Dichloroethane  
 Concen: 25.476 ug/l  
 RT: 6.583 min Scan# 770  
 Delta R.T. 0.006 min  
 Lab File: VN076254.D  
 Acq: 13 Jan 2023 17:27

Tgt Ion: 63 Resp: 84022  
 Ion Ratio Lower Upper  
 63 100  
 98 7.7 3.9 11.5  
 100 4.4 2.5 7.6



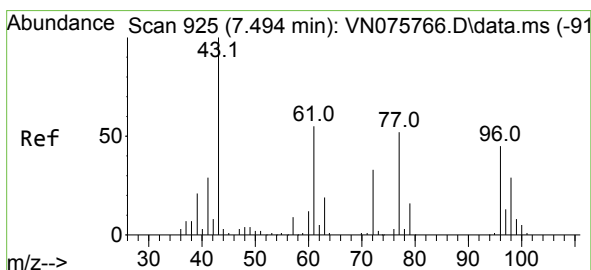
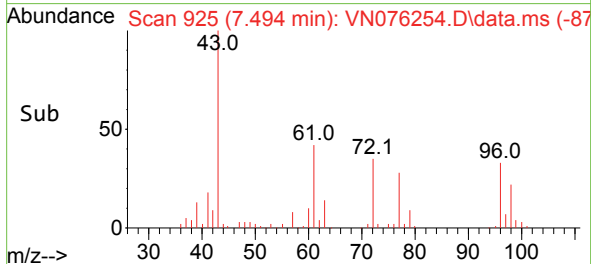
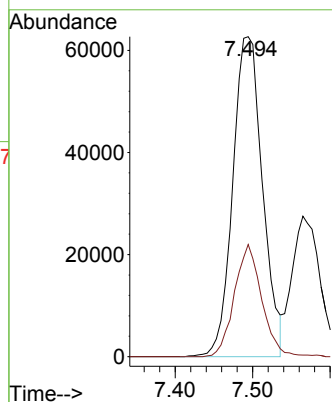
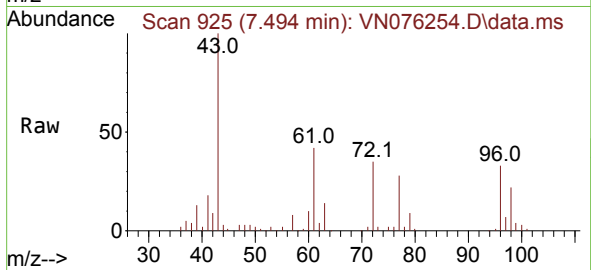




#25  
2-Butanone  
Concen: 162.407 ug/l  
RT: 7.494 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

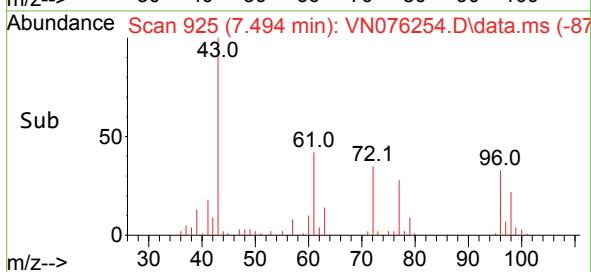
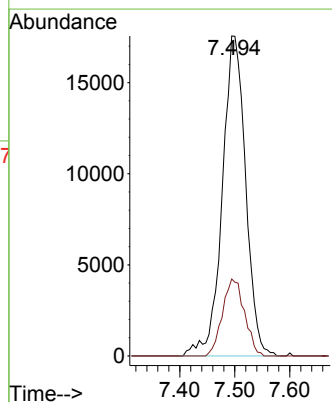
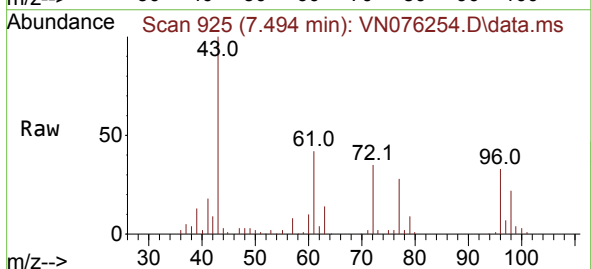
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0113MBSD01

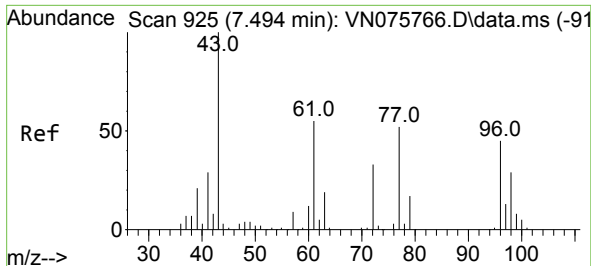
Tgt Ion: 43 Resp: 167562  
Ion Ratio Lower Upper  
43 100  
72 35.1 28.0 42.0



#26  
2,2-Dichloropropane  
Concen: 18.571 ug/l  
RT: 7.494 min Scan# 925  
Delta R.T. -0.000 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

Tgt Ion: 77 Resp: 51870  
Ion Ratio Lower Upper  
77 100  
97 22.7 12.7 38.0

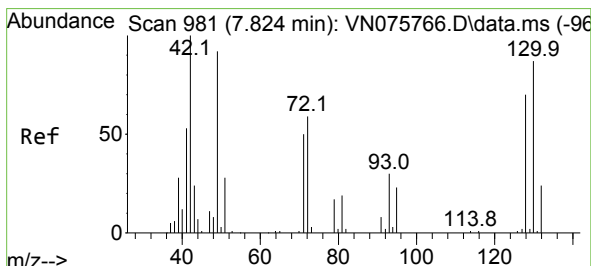
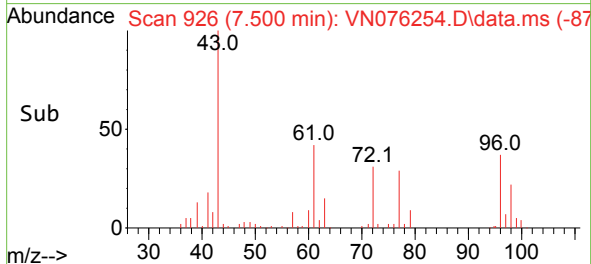
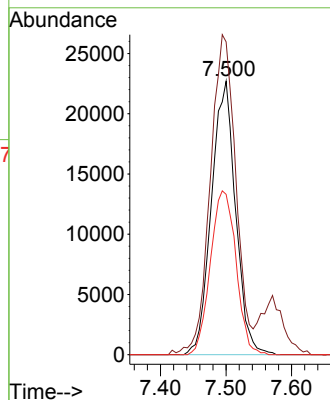
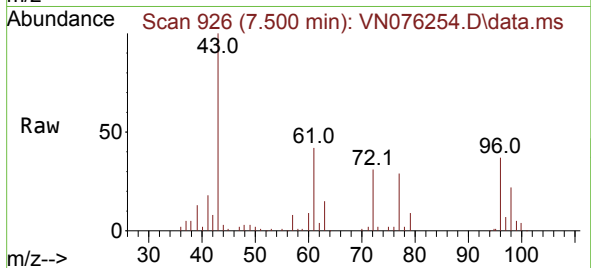




#27  
cis-1,2-Dichloroethene  
Concen: 25.442 ug/l  
RT: 7.500 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

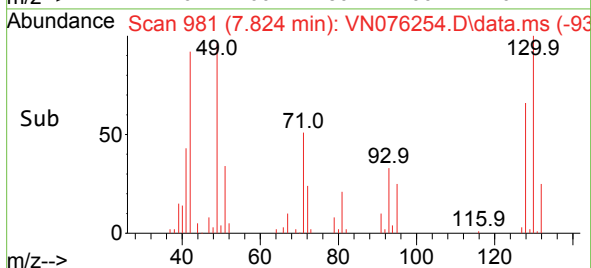
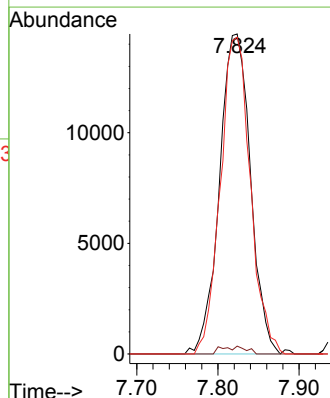
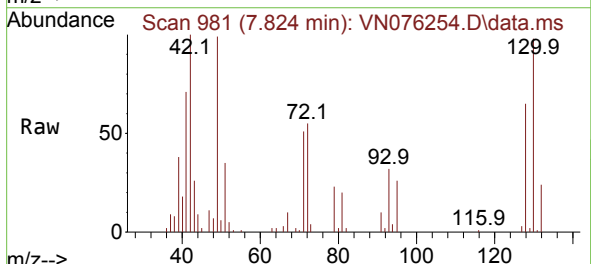
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0113MBSD01

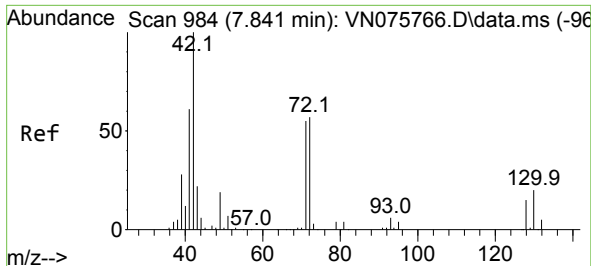
Tgt Ion: 96 Resp: 58031  
Ion Ratio Lower Upper  
96 100  
61 123.9 0.0 247.8  
98 63.5 0.0 128.4



#28  
Bromochloromethane  
Concen: 26.539 ug/l  
RT: 7.824 min Scan# 981  
Delta R.T. -0.000 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

Tgt Ion: 49 Resp: 38364  
Ion Ratio Lower Upper  
49 100  
129 0.0 0.0 5.0  
130 95.6 77.0 115.4





#29

Tetrahydrofuran

Concen: 165.467 ug/l

RT: 7.847 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN076254.D

Acq: 13 Jan 2023 17:27

Instrument :

MSVOA\_N

ClientSampleId :

VN0113MBSD01

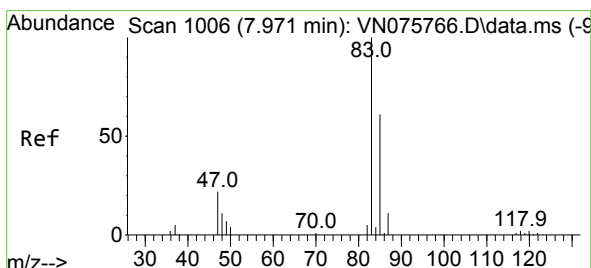
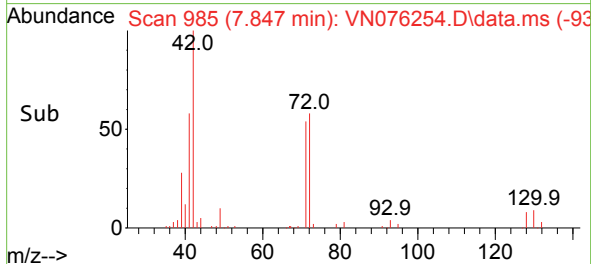
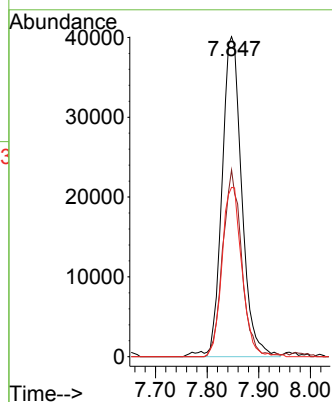
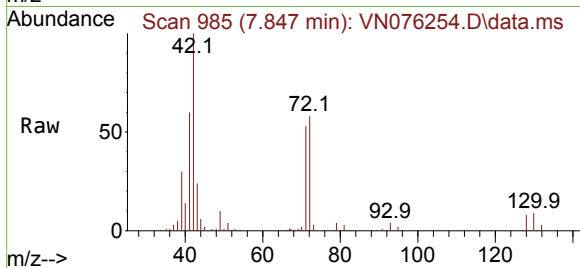
Tgt Ion: 42 Resp: 106985

Ion Ratio Lower Upper

42 100

72 55.5 44.5 66.7

71 52.9 41.0 61.6



#30

Chloroform

Concen: 25.824 ug/l

RT: 7.971 min Scan# 1006

Delta R.T. -0.000 min

Lab File: VN076254.D

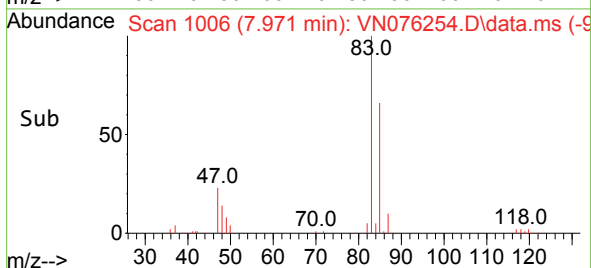
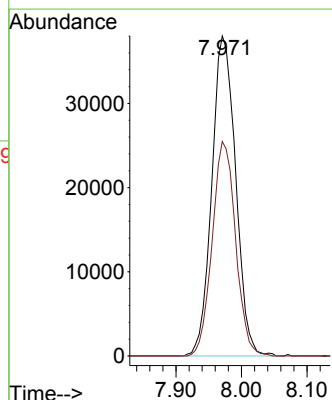
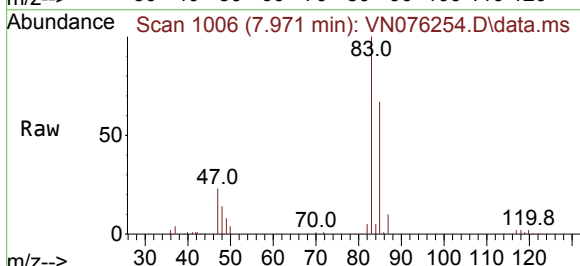
Acq: 13 Jan 2023 17:27

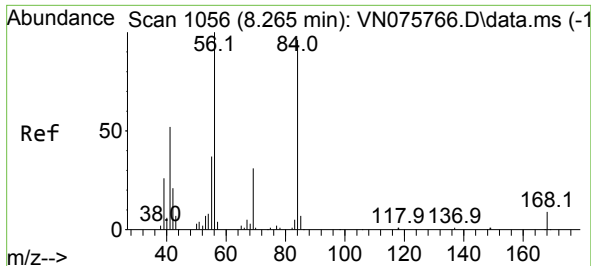
Tgt Ion: 83 Resp: 95894

Ion Ratio Lower Upper

83 100

85 67.0 49.1 73.7

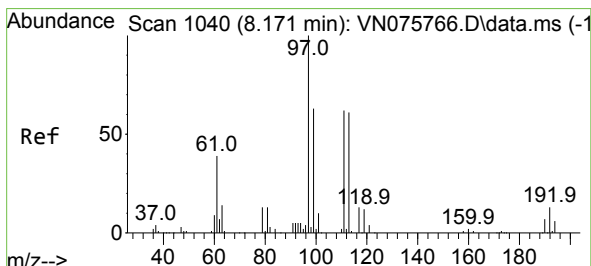
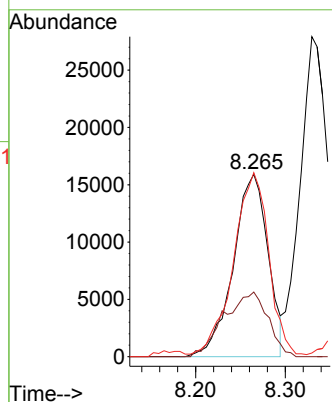
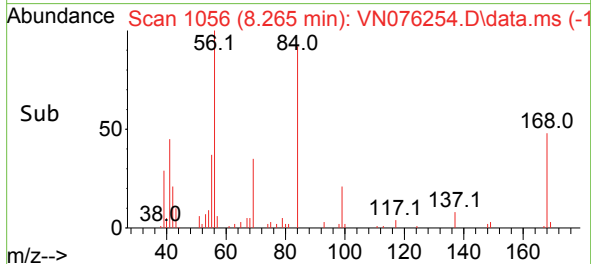
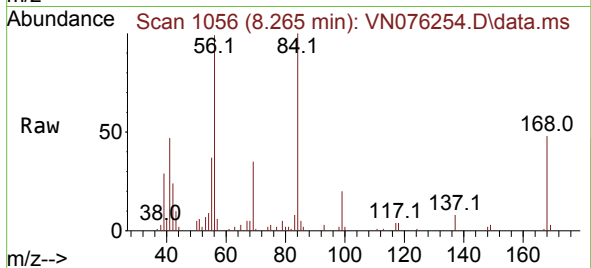




#31  
Cyclohexane  
Concen: 13.948 ug/l  
RT: 8.265 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

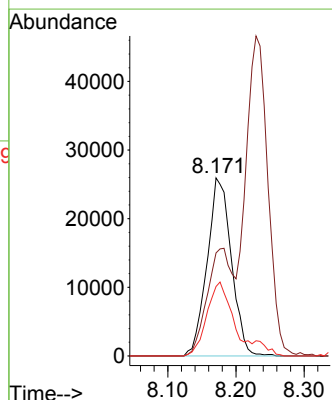
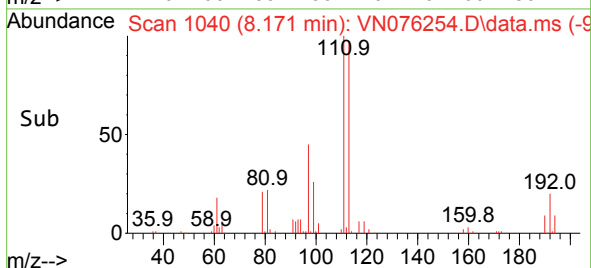
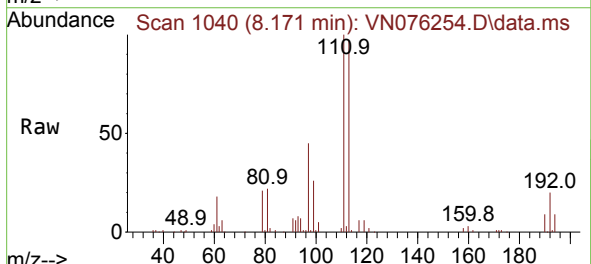
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0113MBS01

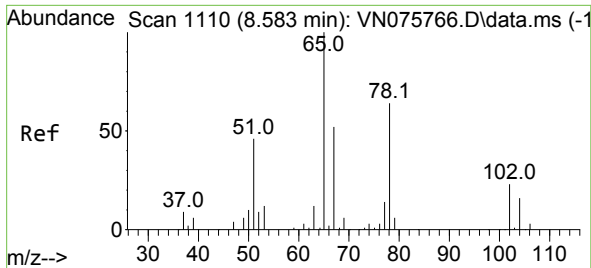
Tgt Ion: 56 Resp: 42701  
Ion Ratio Lower Upper  
56 100  
69 35.5 24.7 37.1  
84 98.0 76.5 114.7



#32  
1,1,1-Trichloroethane  
Concen: 19.544 ug/l  
RT: 8.171 min Scan# 1040  
Delta R.T. -0.000 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

Tgt Ion: 97 Resp: 64339  
Ion Ratio Lower Upper  
97 100  
99 65.0 50.2 75.2  
61 44.3 34.5 51.7

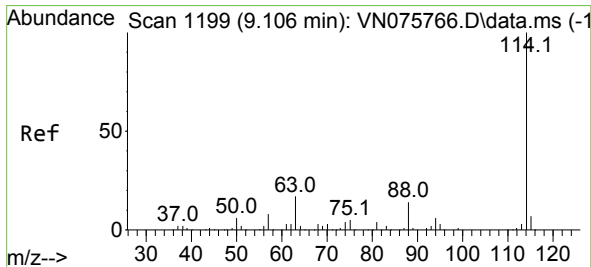
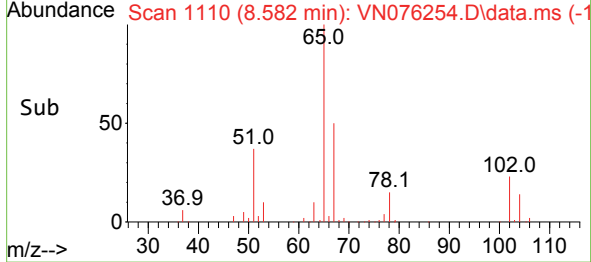
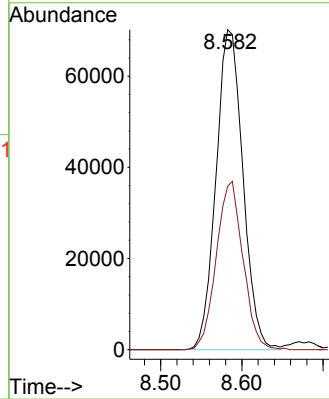
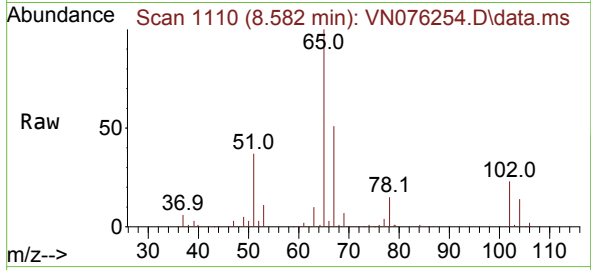




#33  
 1,2-Dichloroethane-d4  
 Concen: 75.719 ug/l  
 RT: 8.582 min Scan# 1110  
 Delta R.T. -0.000 min  
 Lab File: VN076254.D  
 Acq: 13 Jan 2023 17:27

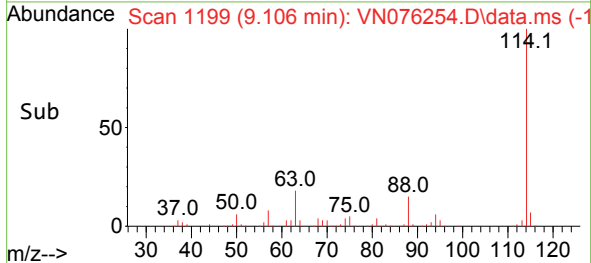
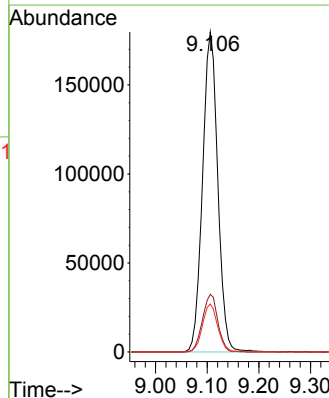
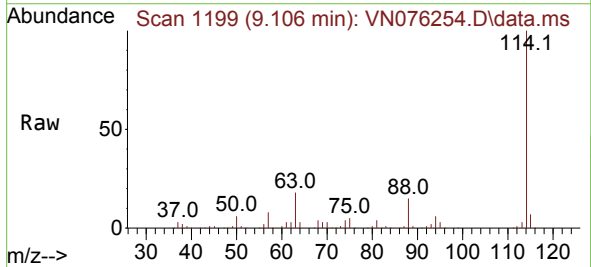
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0113MBSD01

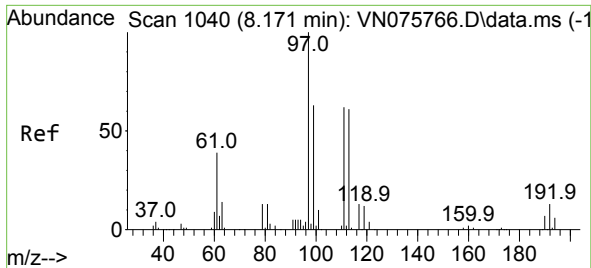
Tgt Ion: 65 Resp: 161855  
 Ion Ratio Lower Upper  
 65 100  
 67 52.1 0.0 103.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 9.106 min Scan# 1199  
 Delta R.T. -0.000 min  
 Lab File: VN076254.D  
 Acq: 13 Jan 2023 17:27

Tgt Ion: 114 Resp: 367372  
 Ion Ratio Lower Upper  
 114 100  
 63 18.0 0.0 34.4  
 88 15.0 0.0 28.8

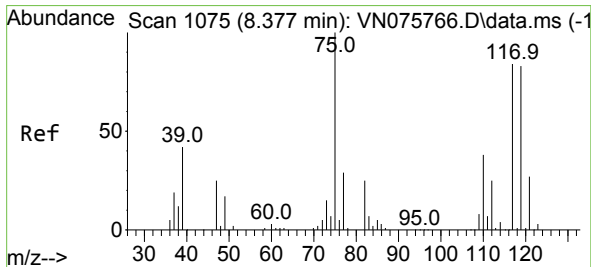
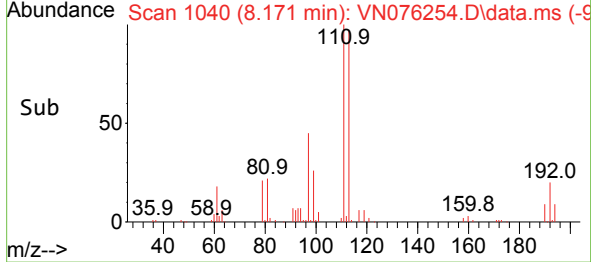
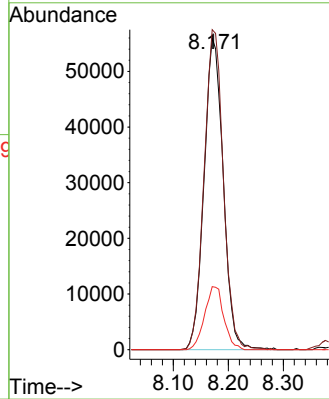
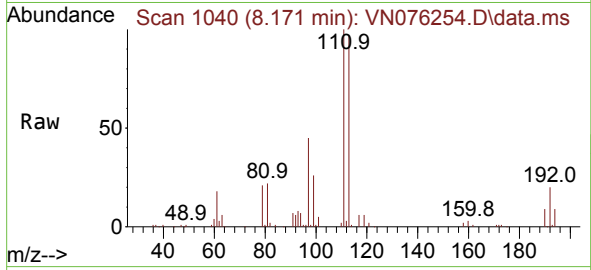




#35  
Dibromofluoromethane  
Concen: 59.758 ug/l  
RT: 8.171 min Scan# 1040  
Delta R.T. -0.000 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

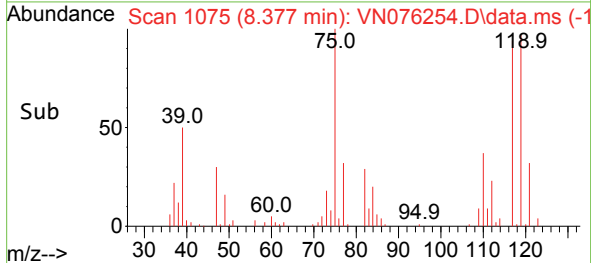
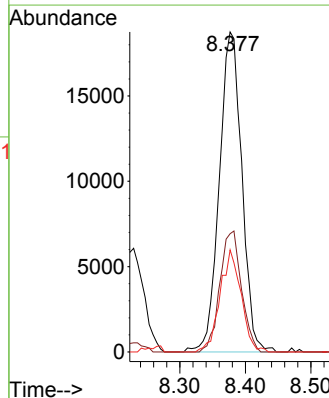
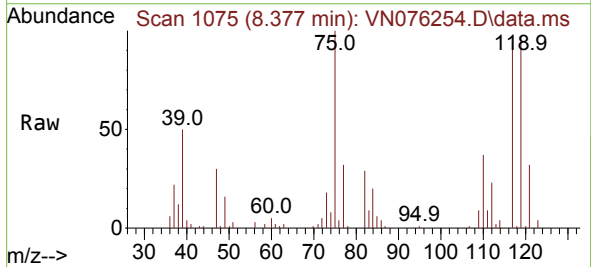
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0113MBSD01

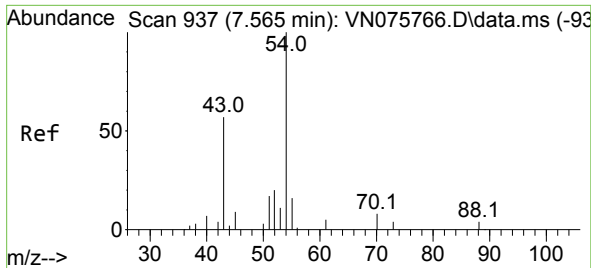
Tgt Ion:113 Resp: 135955  
Ion Ratio Lower Upper  
113 100  
111 103.1 83.4 125.2  
192 20.2 16.1 24.1



#36  
1,1-Dichloropropene  
Concen: 14.799 ug/l  
RT: 8.377 min Scan# 1075  
Delta R.T. -0.000 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

Tgt Ion: 75 Resp: 44726  
Ion Ratio Lower Upper  
75 100  
110 36.1 18.8 56.4  
77 29.8 24.1 36.1

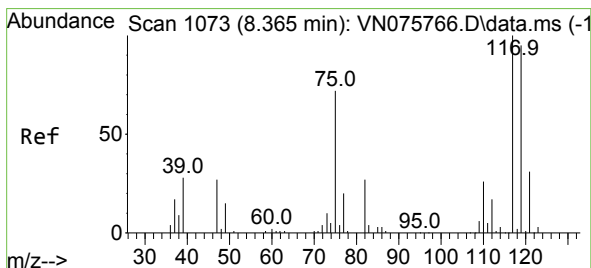
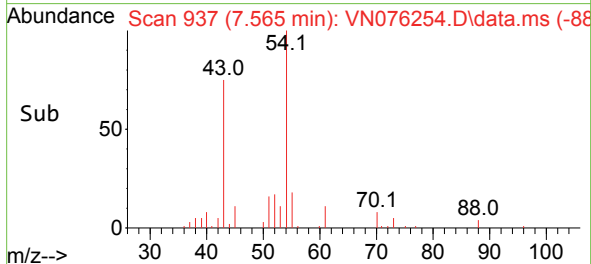
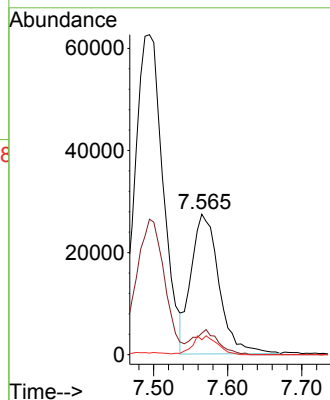
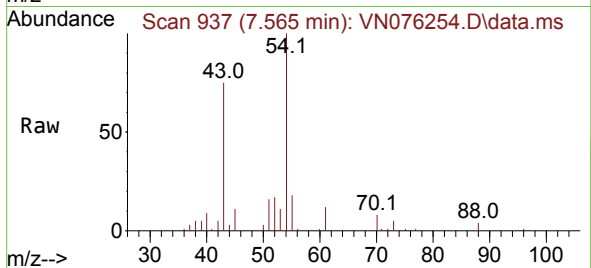




#37  
Ethyl Acetate  
Concen: 29.545 ug/l  
RT: 7.565 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

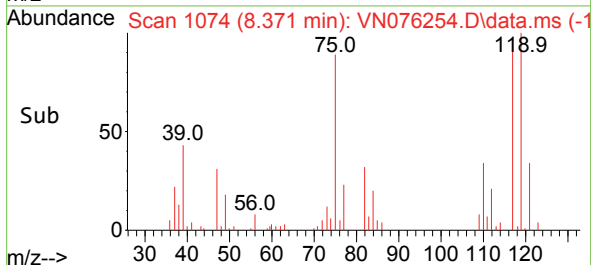
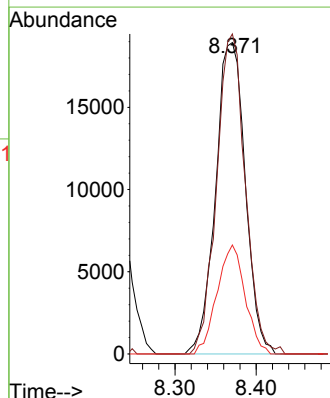
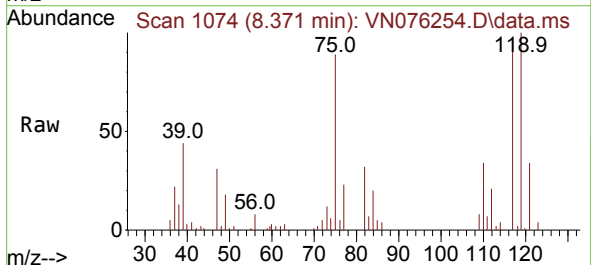
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0113MBSD01

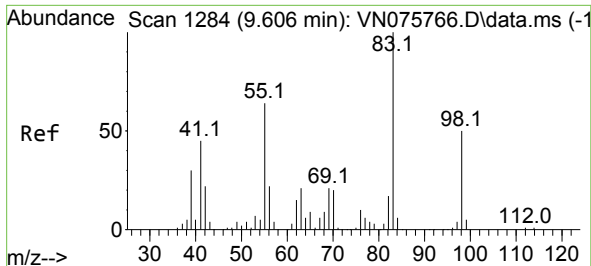
Tgt Ion: 43 Resp: 71722  
Ion Ratio Lower Upper  
43 100  
61 16.0 13.0 19.4  
70 11.9 9.4 14.0



#38  
Carbon Tetrachloride  
Concen: 14.238 ug/l  
RT: 8.371 min Scan# 1074  
Delta R.T. 0.006 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

Tgt Ion: 117 Resp: 48161  
Ion Ratio Lower Upper  
117 100  
119 102.8 76.1 114.1  
121 35.0 24.5 36.7





#39

Methylcyclohexane

Concen: 12.434 ug/l

RT: 9.606 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN076254.D

Acq: 13 Jan 2023 17:27

Instrument :

MSVOA\_N

ClientSampleId :

VN0113MBSD01

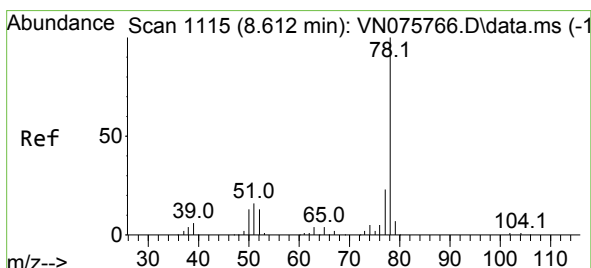
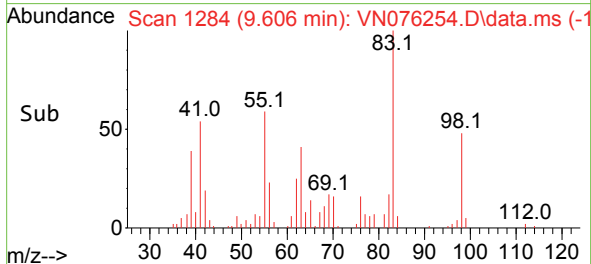
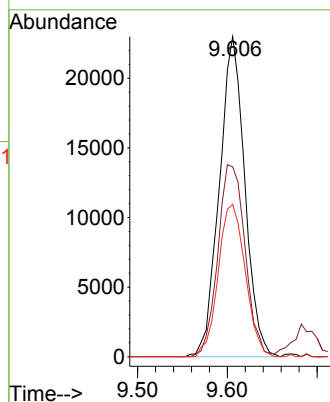
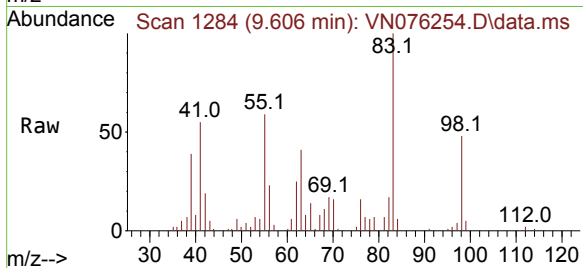
Tgt Ion: 83 Resp: 45336

Ion Ratio Lower Upper

83 100

55 59.3 51.4 77.0

98 47.6 39.8 59.8



#40

Benzene

Concen: 20.328 ug/l

RT: 8.612 min Scan# 1115

Delta R.T. -0.000 min

Lab File: VN076254.D

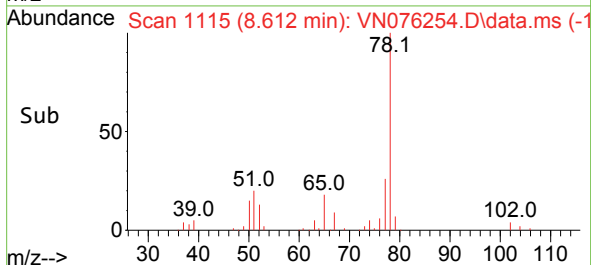
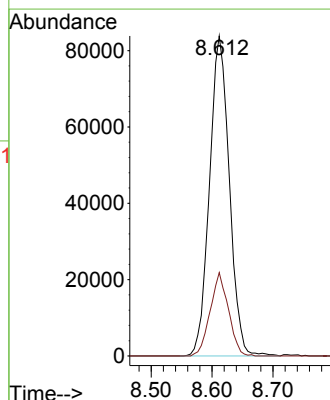
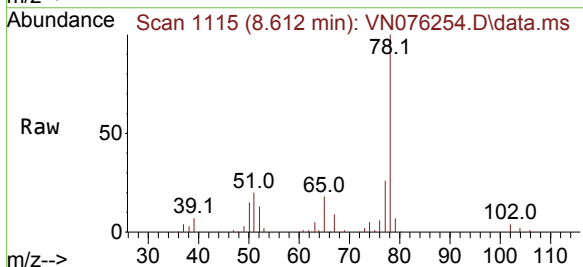
Acq: 13 Jan 2023 17:27

Tgt Ion: 78 Resp: 189551

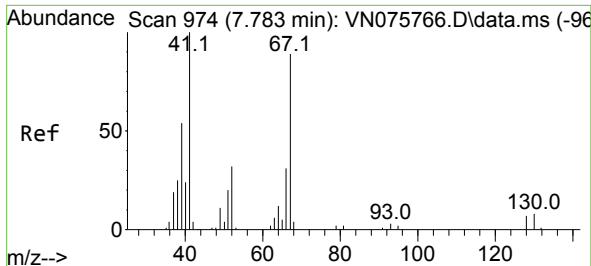
Ion Ratio Lower Upper

78 100

77 26.1 18.5 27.7



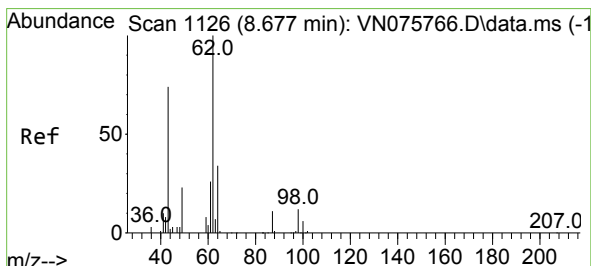
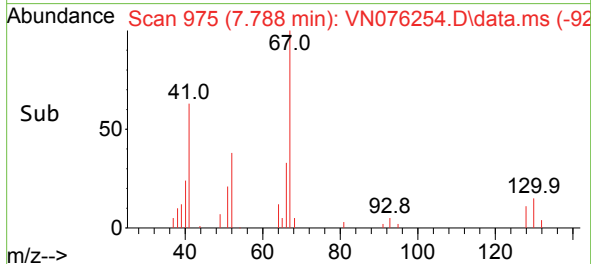
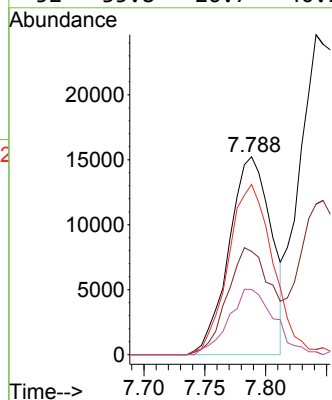
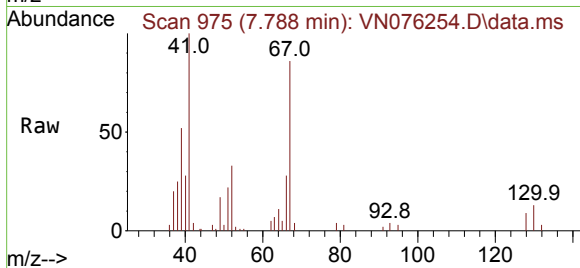




#41  
Methacrylonitrile  
Concen: 29.223 ug/l  
RT: 7.788 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

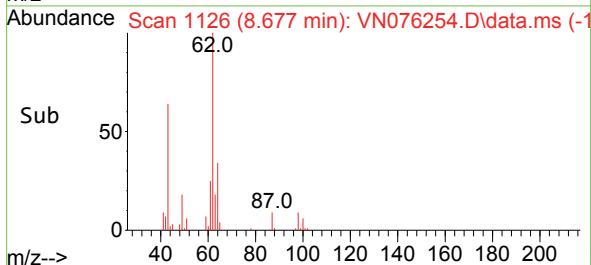
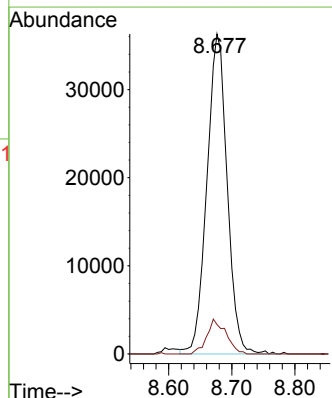
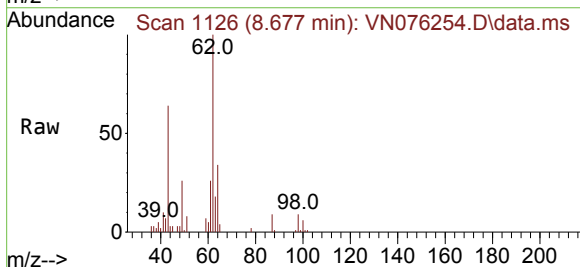
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0113MBS01

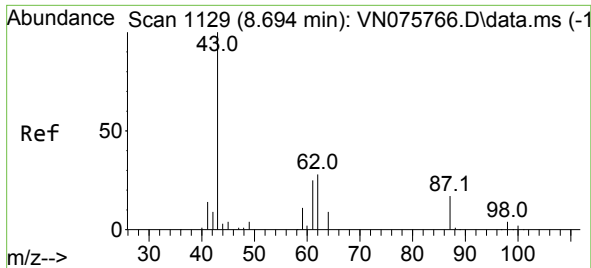
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 36875 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 55.4  | 43.1  | 64.7  |
| 67       | 92.1  | 70.7  | 106.1 |
| 52       | 35.8  | 26.7  | 40.1  |



#42  
1,2-Dichloroethane  
Concen: 26.141 ug/l  
RT: 8.677 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 81037 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 10.3  | 0.0   | 20.8  |

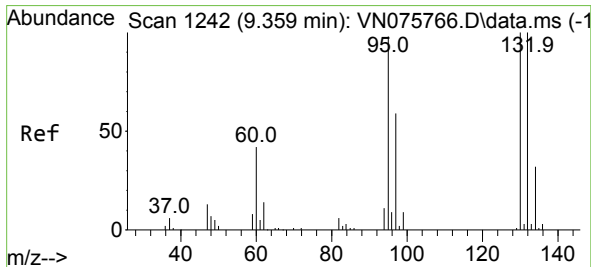
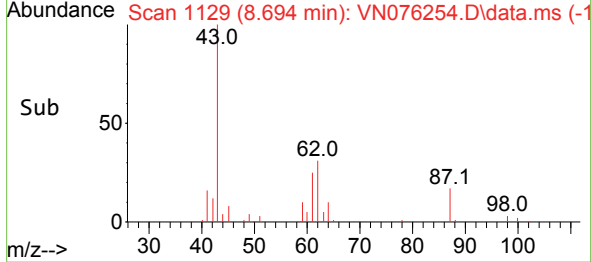
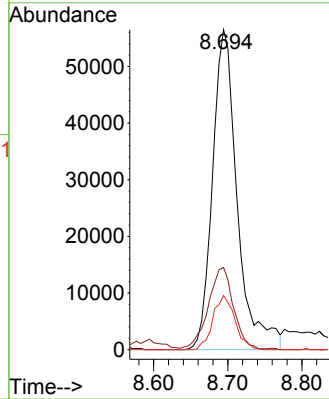
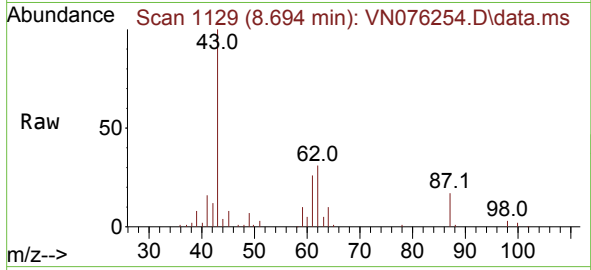




#43  
Isopropyl Acetate  
Concen: 32.703 ug/l  
RT: 8.694 min Scan# 1129  
Delta R.T. -0.000 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

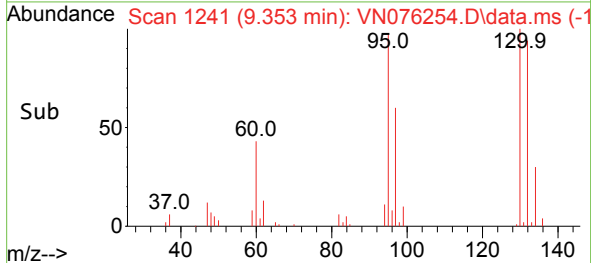
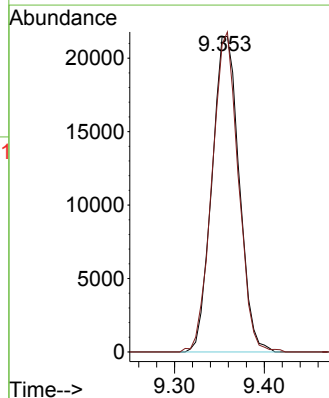
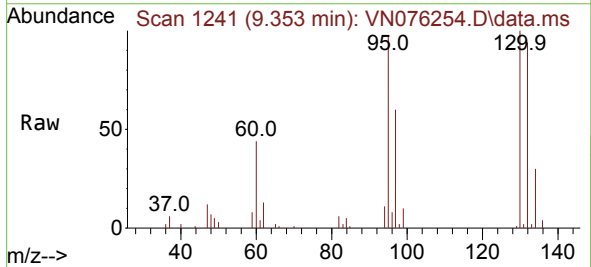
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0113MBSD01

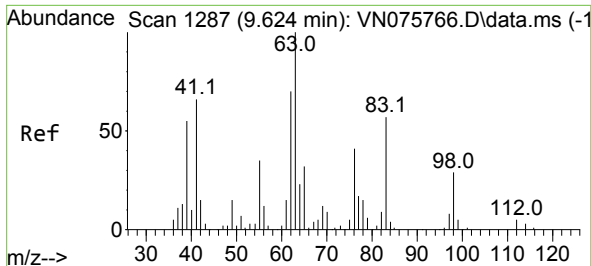
Tgt Ion: 43 Resp: 130958  
Ion Ratio Lower Upper  
43 100  
61 25.7 24.2 36.4  
87 15.1 13.3 19.9



#44  
Trichloroethene  
Concen: 17.201 ug/l  
RT: 9.353 min Scan# 1241  
Delta R.T. -0.006 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

Tgt Ion:130 Resp: 45186  
Ion Ratio Lower Upper  
130 100  
95 97.5 0.0 195.4





#45

1,2-Dichloropropane

Concen: 22.479 ug/l

RT: 9.624 min Scan# 1287

Delta R.T. -0.000 min

Lab File: VN076254.D

Acq: 13 Jan 2023 17:27

Instrument :

MSVOA\_N

ClientSampleId :

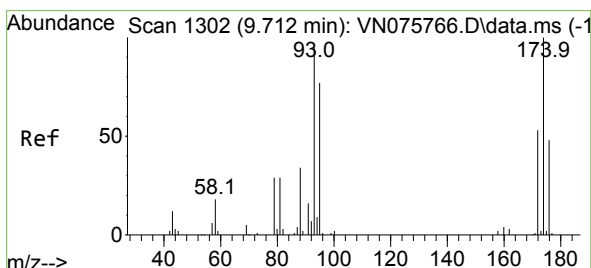
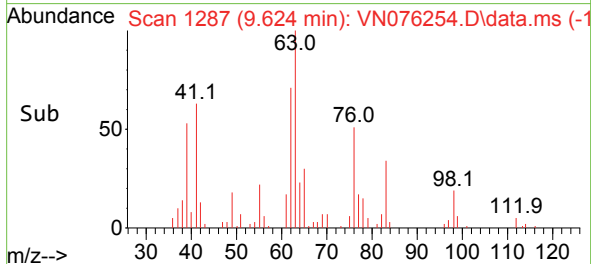
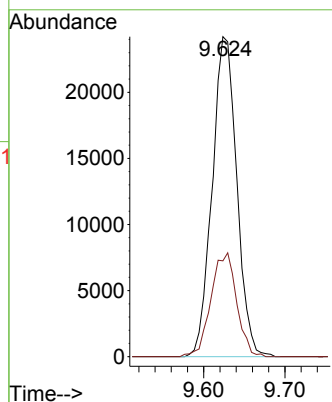
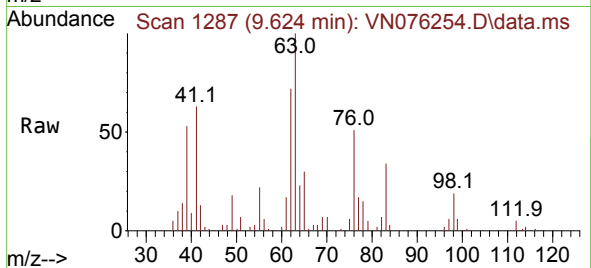
VN0113MBSD01

Tgt Ion: 63 Resp: 51007

Ion Ratio Lower Upper

63 100

65 30.0 25.7 38.5



#46

Dibromomethane

Concen: 24.637 ug/l

RT: 9.712 min Scan# 1302

Delta R.T. -0.000 min

Lab File: VN076254.D

Acq: 13 Jan 2023 17:27

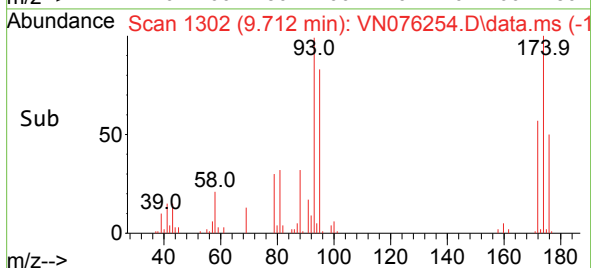
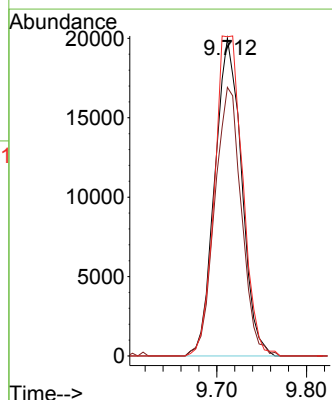
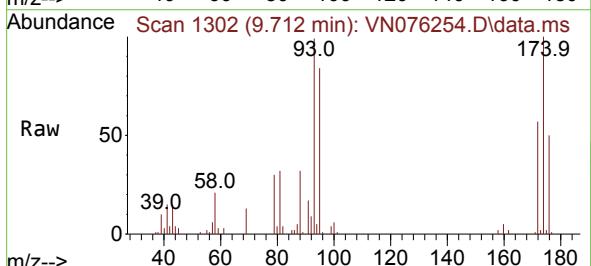
Tgt Ion: 93 Resp: 41464

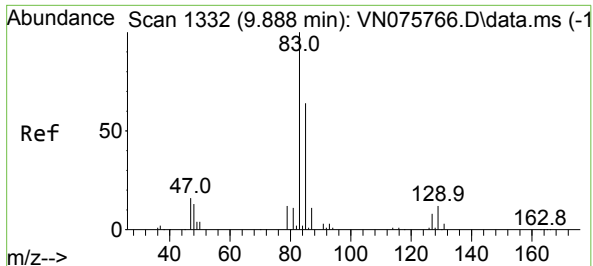
Ion Ratio Lower Upper

93 100

95 84.4 65.2 97.8

174 105.1 82.4 123.6





#47

Bromodichloromethane

Concen: 22.867 ug/l

RT: 9.894 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN076254.D

Acq: 13 Jan 2023 17:27

Instrument :

MSVOA\_N

ClientSampleId :

VN0113MBSD01

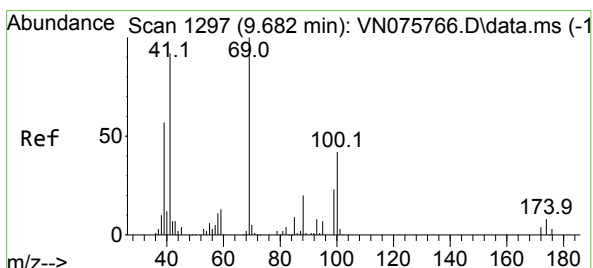
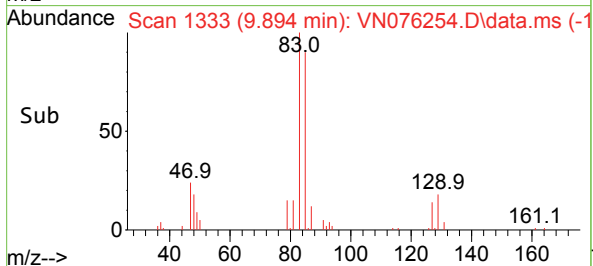
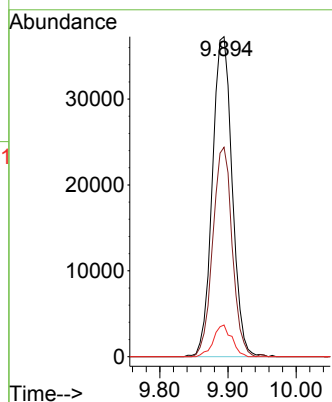
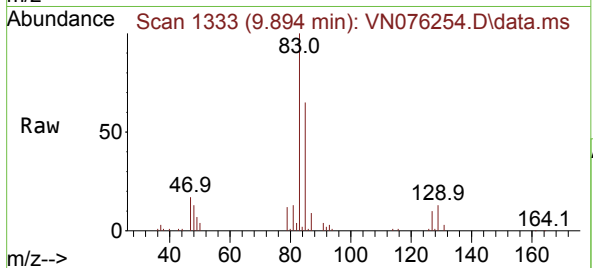
Tgt Ion: 83 Resp: 75469

Ion Ratio Lower Upper

83 100

85 65.4 51.5 77.3

127 9.9 6.6 10.0



#48

Methyl methacrylate

Concen: 29.461 ug/l

RT: 9.682 min Scan# 1297

Delta R.T. -0.000 min

Lab File: VN076254.D

Acq: 13 Jan 2023 17:27

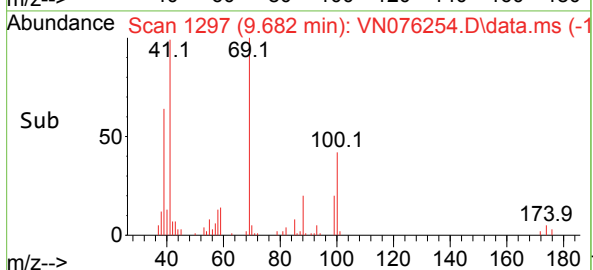
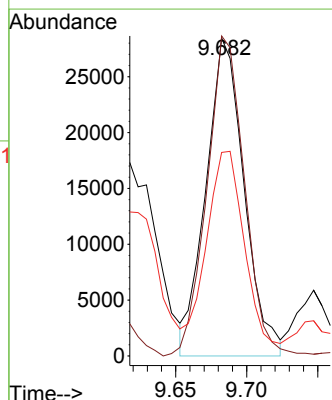
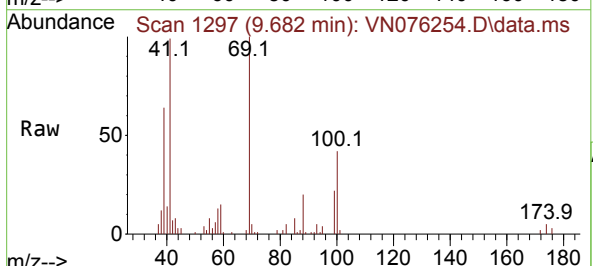
Tgt Ion: 41 Resp: 53135

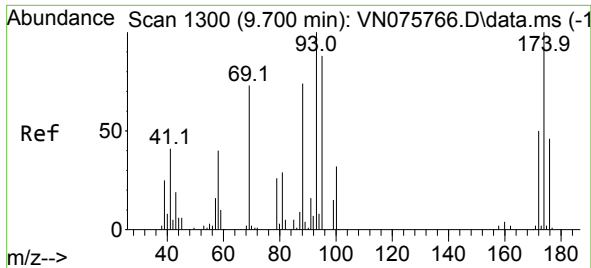
Ion Ratio Lower Upper

41 100

69 99.0 81.9 122.9

39 66.2 51.6 77.4

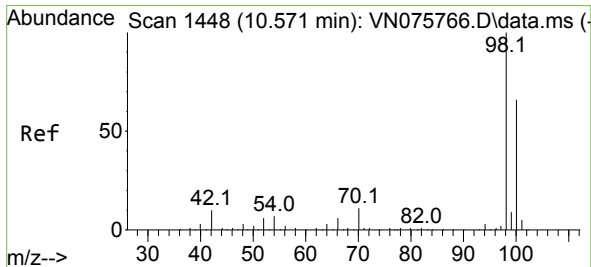
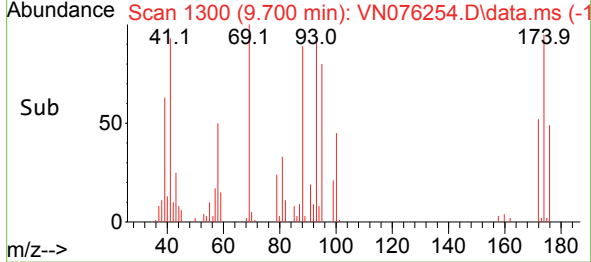
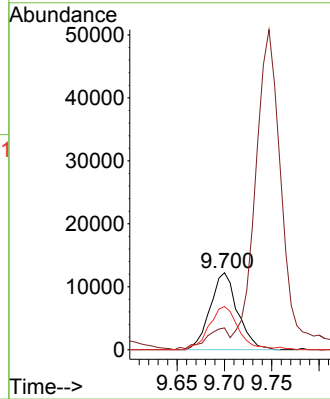
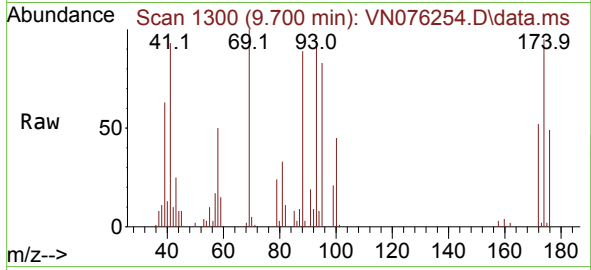




#49  
1,4-Dioxane  
Concen: 553.880 ug/l  
RT: 9.700 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

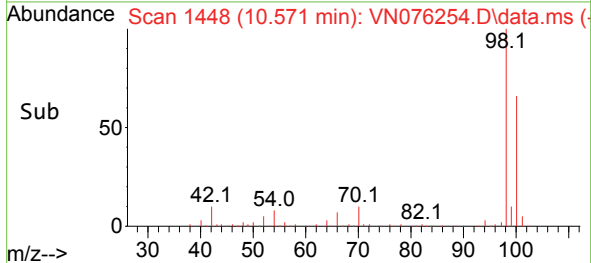
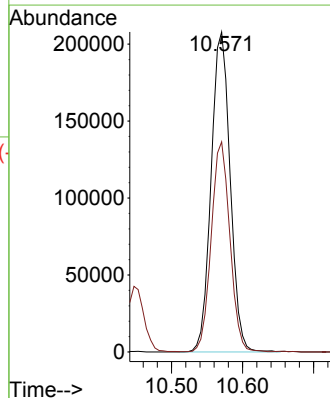
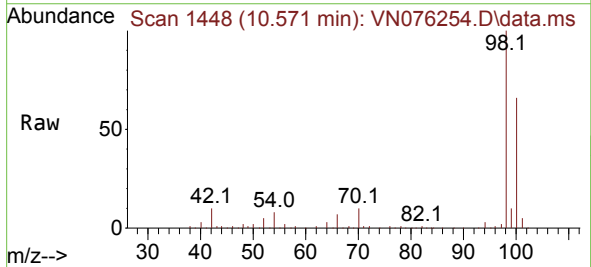
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0113MBSD01

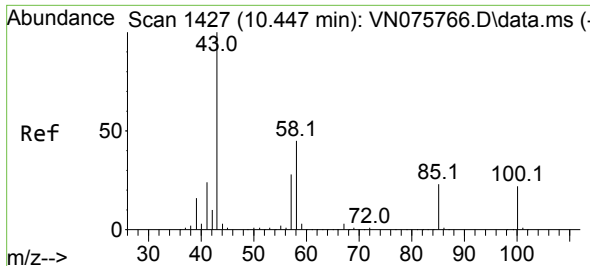
Tgt Ion: 88 Resp: 24559  
Ion Ratio Lower Upper  
88 100  
43 24.2 17.1 25.7  
58 60.5 47.8 71.8



#50  
Toluene-d8  
Concen: 45.407 ug/l  
RT: 10.571 min Scan# 1448  
Delta R.T. -0.000 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

Tgt Ion: 98 Resp: 386247  
Ion Ratio Lower Upper  
98 100  
100 64.2 52.1 78.1

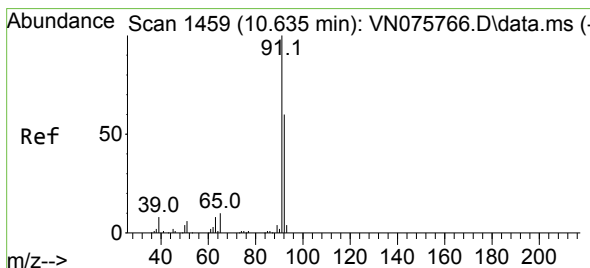
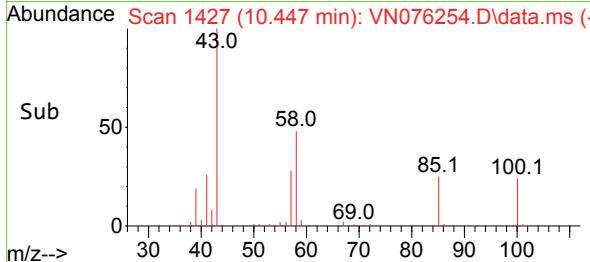
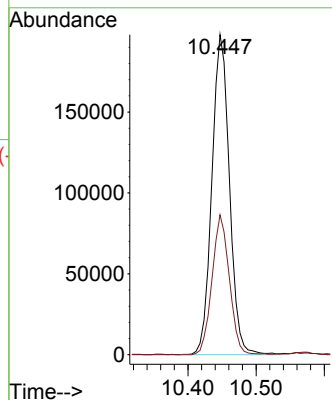
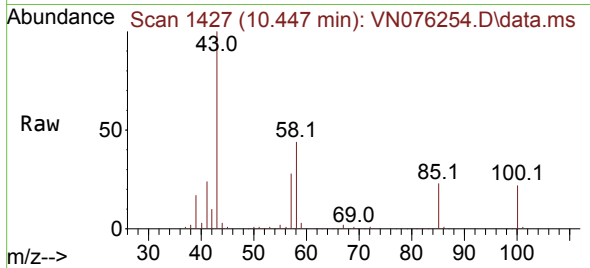




#51  
4-Methyl-2-Pentanone  
Concen: 146.476 ug/l  
RT: 10.447 min Scan# 1427  
Delta R.T. -0.000 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

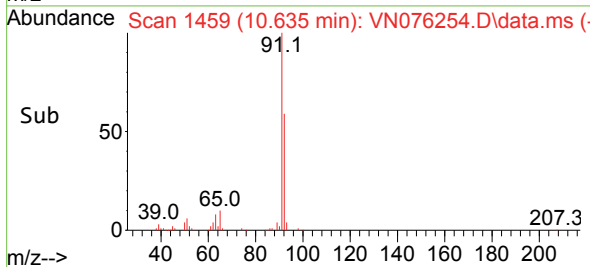
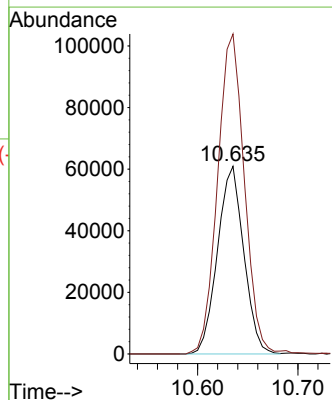
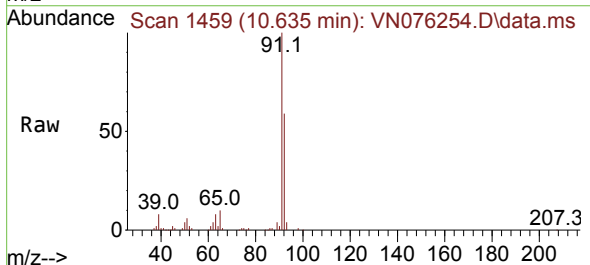
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0113MBSD01

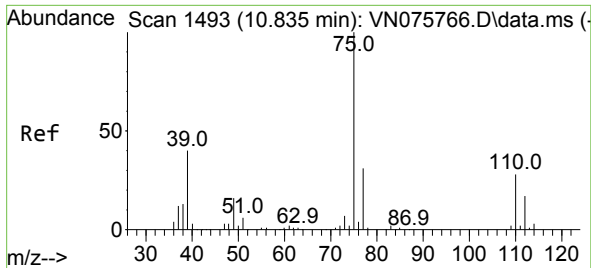
Tgt Ion: 43 Resp: 354727  
Ion Ratio Lower Upper  
43 100  
58 43.1 35.5 53.3



#52  
Toluene  
Concen: 18.218 ug/l  
RT: 10.635 min Scan# 1459  
Delta R.T. -0.000 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

Tgt Ion: 92 Resp: 110638  
Ion Ratio Lower Upper  
92 100  
91 174.5 137.3 205.9

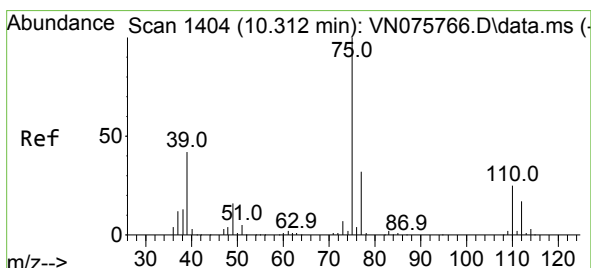
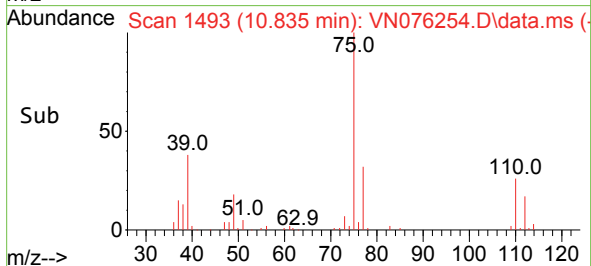
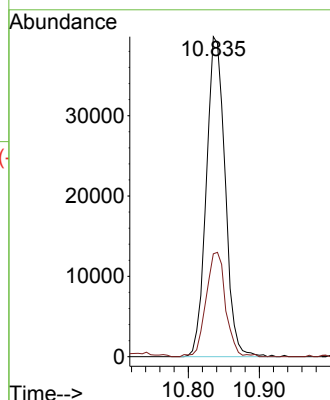
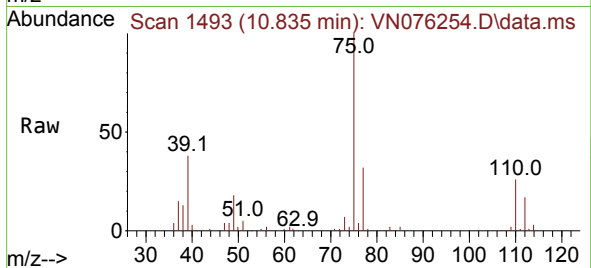




#53  
 t-1,3-Dichloropropene  
 Concen: 22.658 ug/l  
 RT: 10.835 min Scan# 1493  
 Delta R.T. -0.000 min  
 Lab File: VN076254.D  
 Acq: 13 Jan 2023 17:27

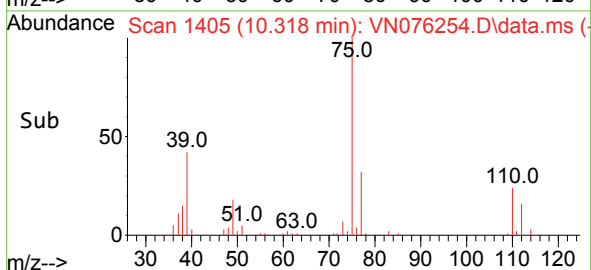
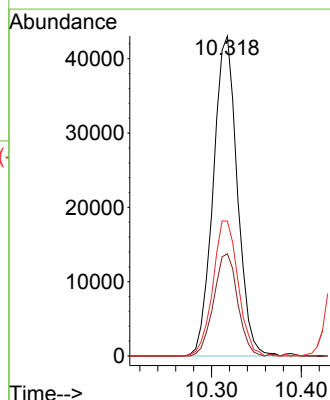
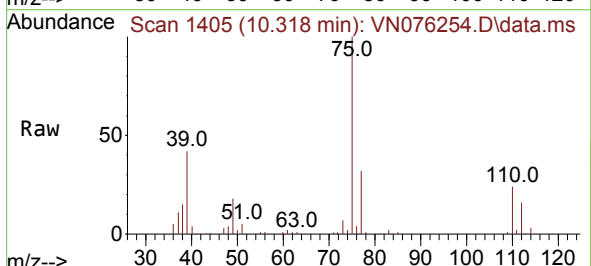
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0113MBSD01

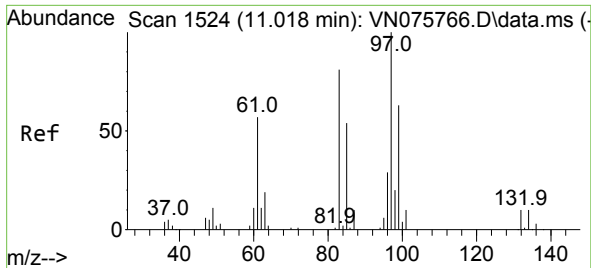
Tgt Ion: 75 Resp: 73202  
 Ion Ratio Lower Upper  
 75 100  
 77 32.1 24.9 37.3



#54  
 cis-1,3-Dichloropropene  
 Concen: 22.587 ug/l  
 RT: 10.318 min Scan# 1405  
 Delta R.T. 0.006 min  
 Lab File: VN076254.D  
 Acq: 13 Jan 2023 17:27

Tgt Ion: 75 Resp: 80119  
 Ion Ratio Lower Upper  
 75 100  
 77 31.9 25.8 38.8  
 39 42.1 33.4 50.2

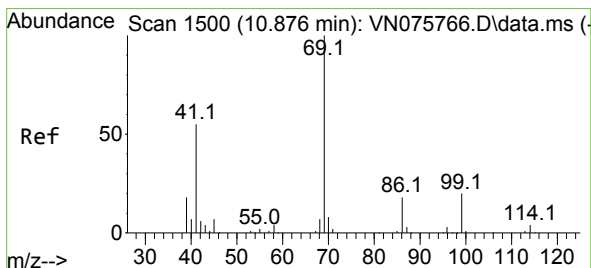
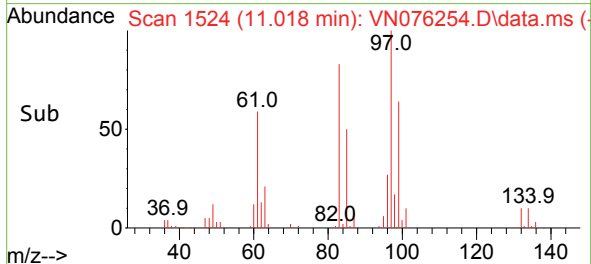
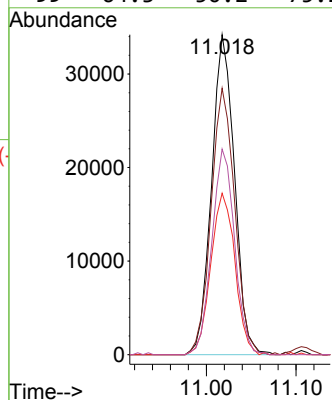
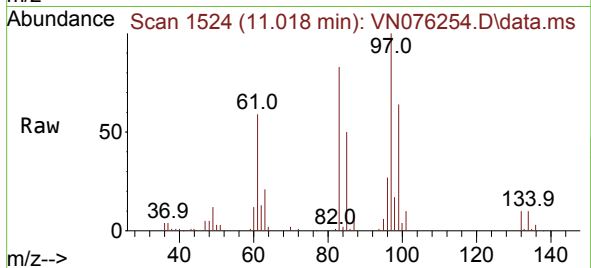




#55  
1,1,2-Trichloroethane  
Concen: 25.422 ug/l  
RT: 11.018 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

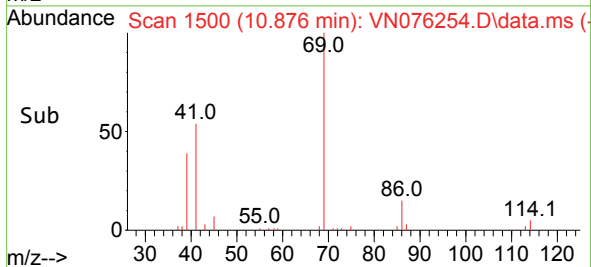
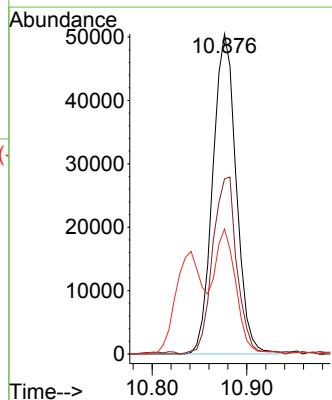
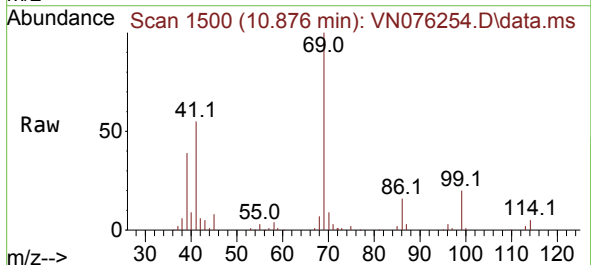
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0113MBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 60596 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 83.2  | 65.0  | 97.4  |
| 85       | 50.4  | 43.0  | 64.6  |
| 99       | 64.3  | 50.2  | 75.2  |

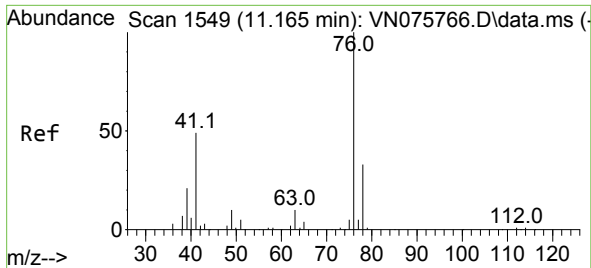


#56  
Ethyl methacrylate  
Concen: 27.407 ug/l  
RT: 10.876 min Scan# 1500  
Delta R.T. -0.000 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 86773 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 57.6  | 44.2  | 66.4  |
| 39       | 35.6  | 26.4  | 39.6  |







#57

1,3-Dichloropropane

Concen: 25.303 ug/l

RT: 11.165 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076254.D

Acq: 13 Jan 2023 17:27

Instrument :

MSVOA\_N

ClientSampleId :

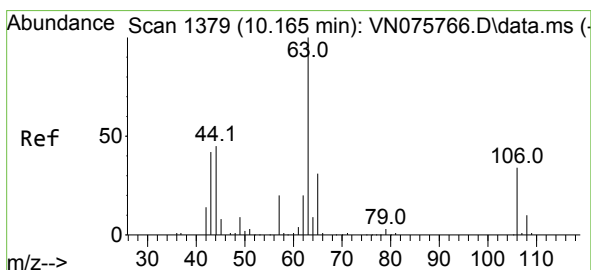
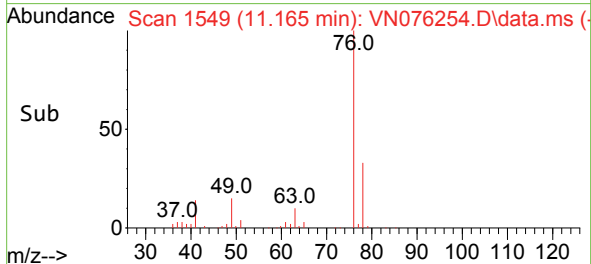
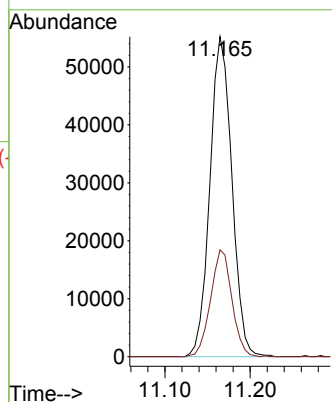
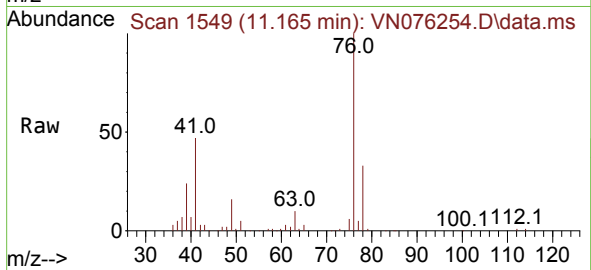
VN0113MBSD01

Tgt Ion: 76 Resp: 98930

Ion Ratio Lower Upper

76 100

78 32.4 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 144.963 ug/l

RT: 10.165 min Scan# 1379

Delta R.T. -0.000 min

Lab File: VN076254.D

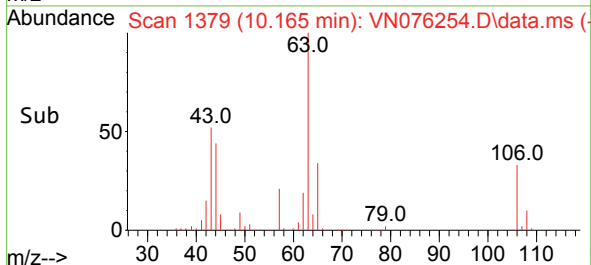
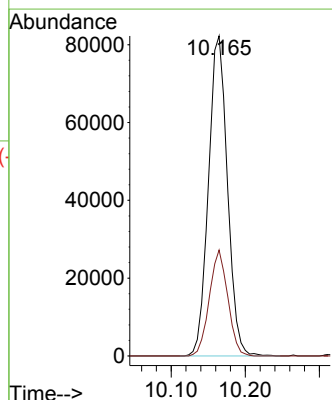
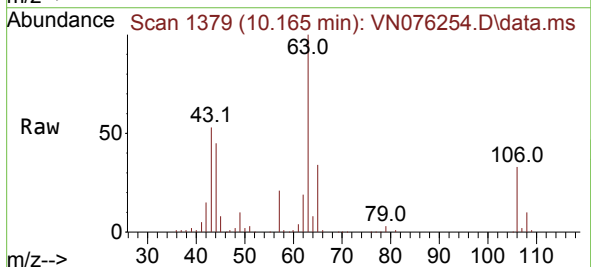
Acq: 13 Jan 2023 17:27

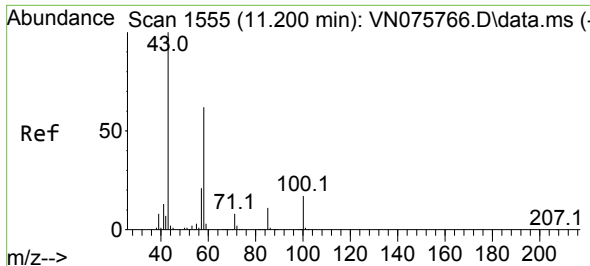
Tgt Ion: 63 Resp: 146127

Ion Ratio Lower Upper

63 100

106 32.1 26.4 39.6

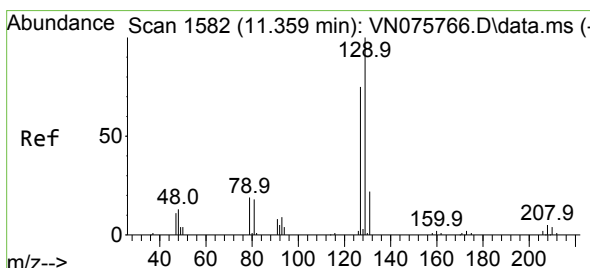
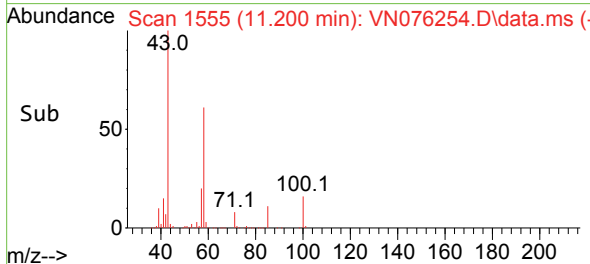
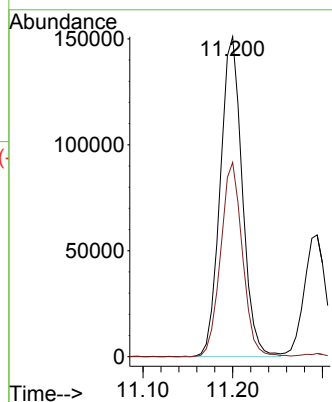
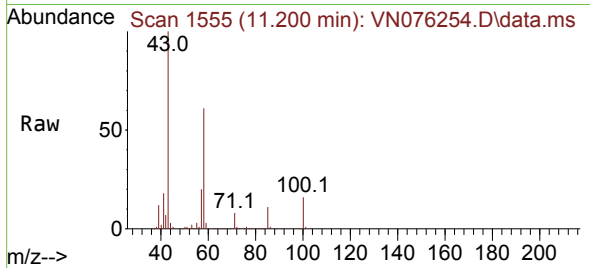




#59  
2-Hexanone  
Concen: 145.560 ug/l  
RT: 11.200 min Scan# 1555  
Delta R.T. -0.000 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

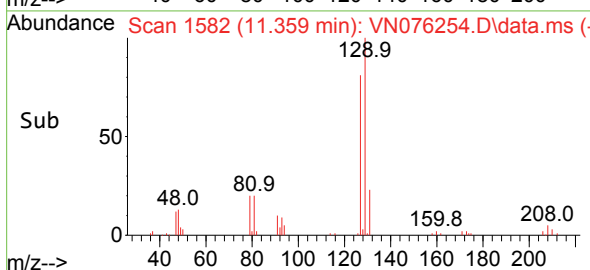
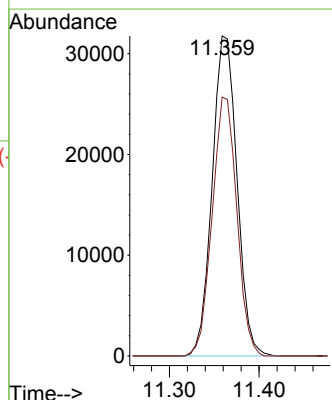
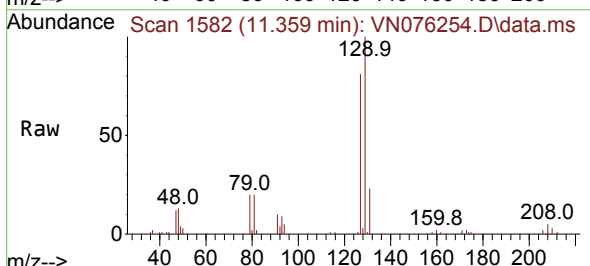
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0113MBSD01

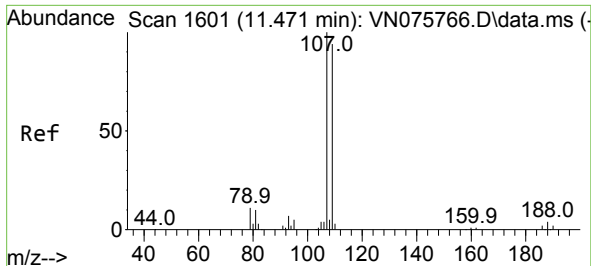
Tgt Ion: 43 Resp: 257073  
Ion Ratio Lower Upper  
43 100  
58 60.1 30.6 92.0



#60  
Dibromochloromethane  
Concen: 23.013 ug/l  
RT: 11.359 min Scan# 1582  
Delta R.T. -0.000 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

Tgt Ion: 129 Resp: 61004  
Ion Ratio Lower Upper  
129 100  
127 80.2 38.3 114.9

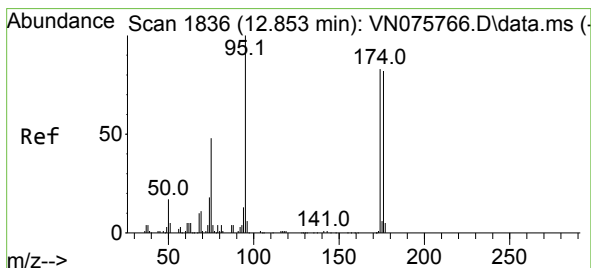
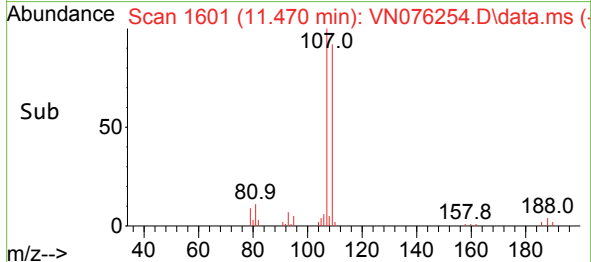
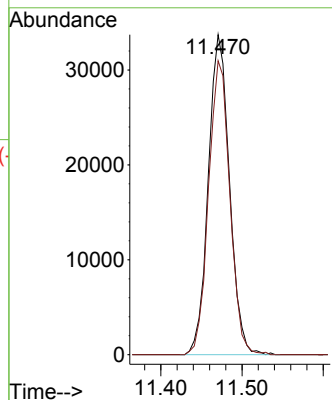
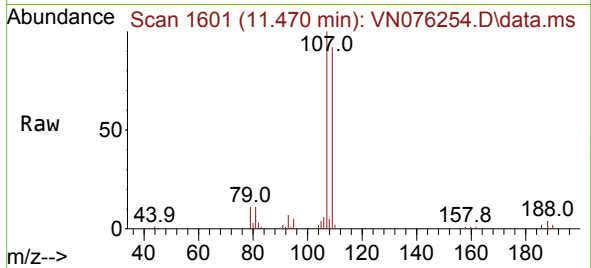




#61  
1,2-Dibromoethane  
Concen: 25.286 ug/l  
RT: 11.470 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

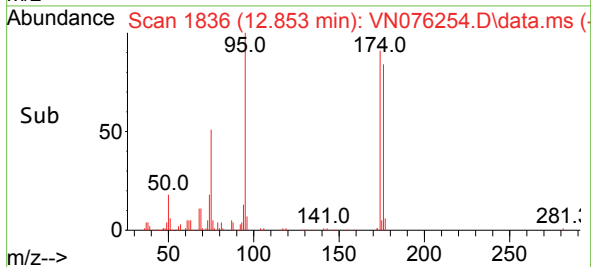
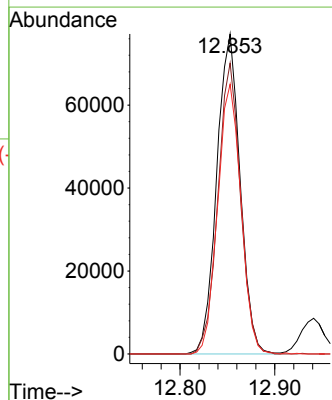
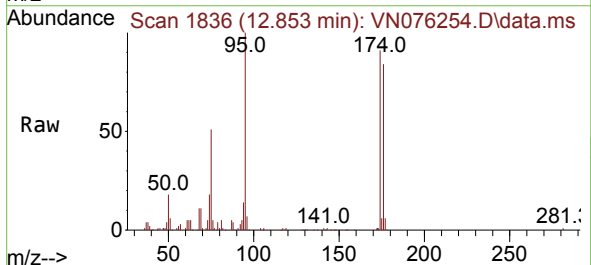
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0113MBSD01

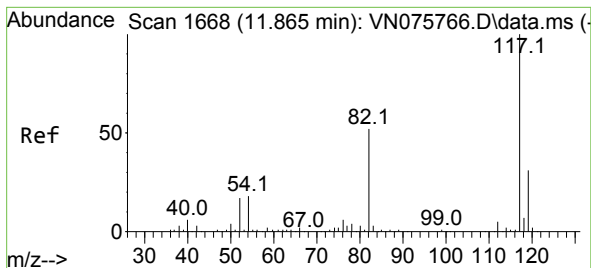
Tgt Ion:107 Resp: 60994  
Ion Ratio Lower Upper  
107 100  
109 92.4 74.8 112.2



#62  
4-Bromofluorobenzene  
Concen: 46.962 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. -0.000 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

Tgt Ion: 95 Resp: 132310  
Ion Ratio Lower Upper  
95 100  
174 87.9 0.0 171.6  
176 84.0 0.0 169.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN076254.D

Acq: 13 Jan 2023 17:27

Instrument :

MSVOA\_N

ClientSampleId :

VN0113MBSD01

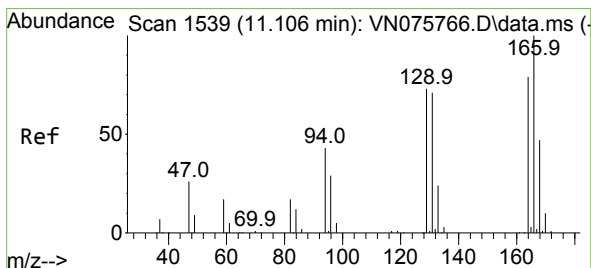
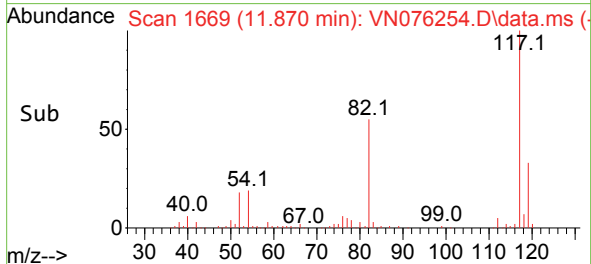
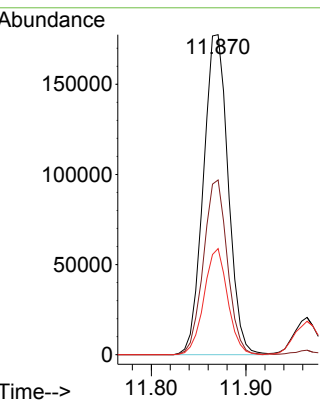
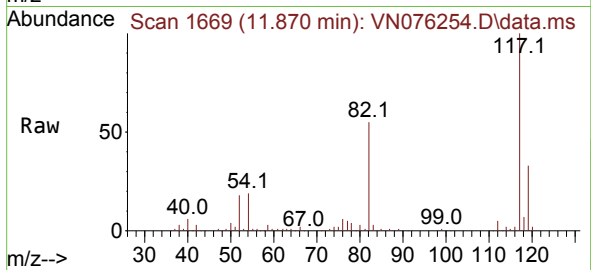
Tgt Ion:117 Resp: 323622

Ion Ratio Lower Upper

117 100

82 54.6 41.3 61.9

119 33.2 24.6 37.0



#64

Tetrachloroethene

Concen: 19.951 ug/l

RT: 11.106 min Scan# 1539

Delta R.T. -0.000 min

Lab File: VN076254.D

Acq: 13 Jan 2023 17:27

Tgt Ion:164 Resp: 45433

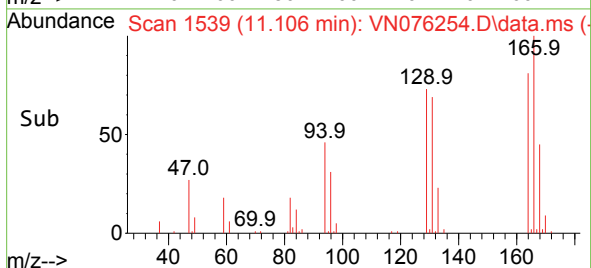
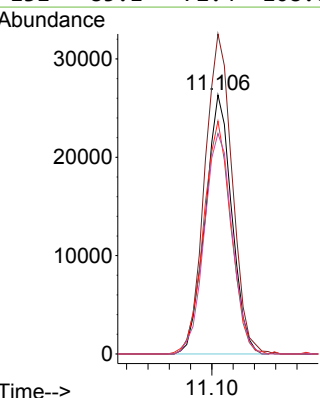
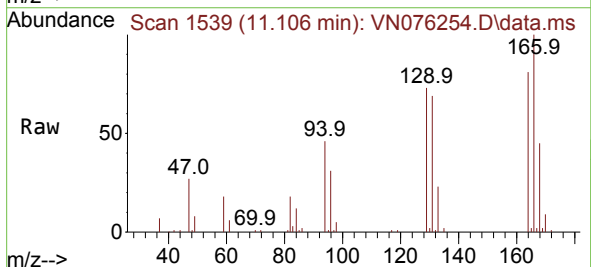
Ion Ratio Lower Upper

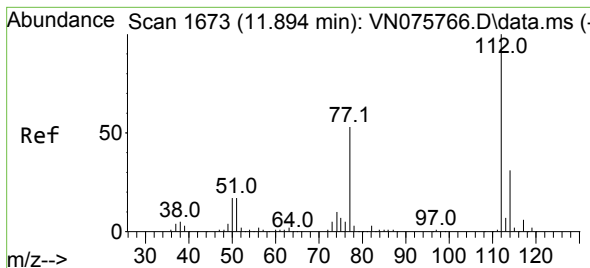
164 100

166 123.5 101.9 152.9

129 89.9 74.2 111.2

131 85.1 72.4 108.6

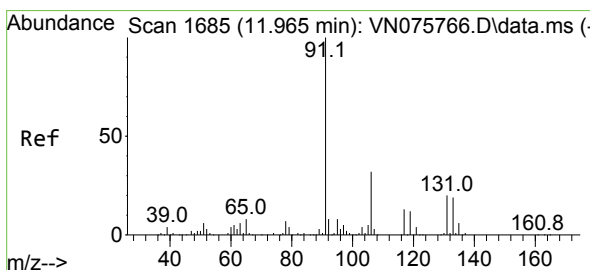
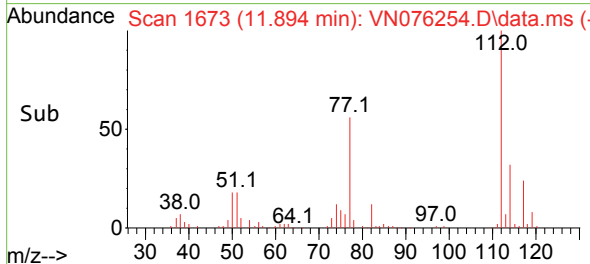
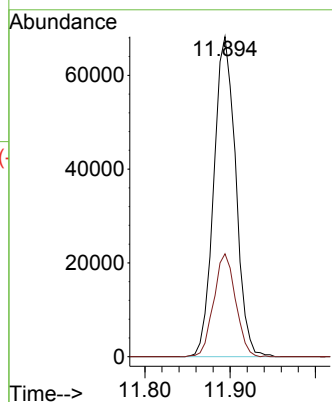
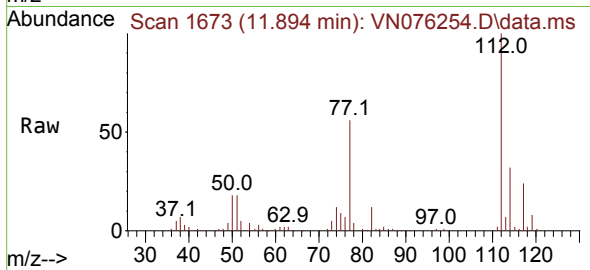




#65  
Chlorobenzene  
Concen: 18.320 ug/l  
RT: 11.894 min Scan# 1673  
Delta R.T. -0.000 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

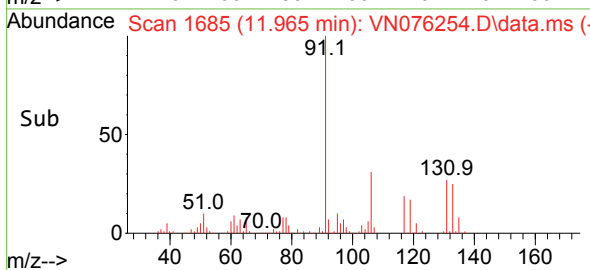
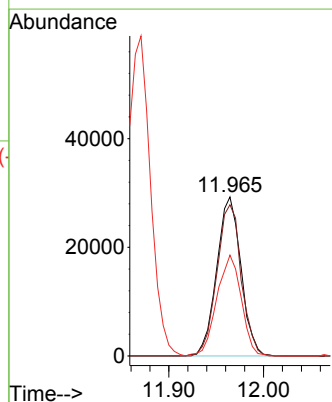
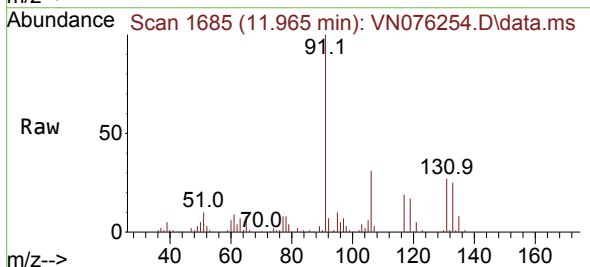
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0113MBSD01

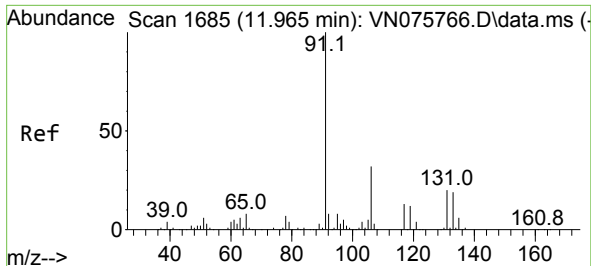
Tgt Ion:112 Resp: 121687  
Ion Ratio Lower Upper  
112 100  
114 32.1 24.7 37.1



#66  
1,1,1,2-Tetrachloroethane  
Concen: 21.218 ug/l  
RT: 11.965 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

Tgt Ion:131 Resp: 52203  
Ion Ratio Lower Upper  
131 100  
133 95.5 47.5 142.5  
119 63.6 31.9 95.7

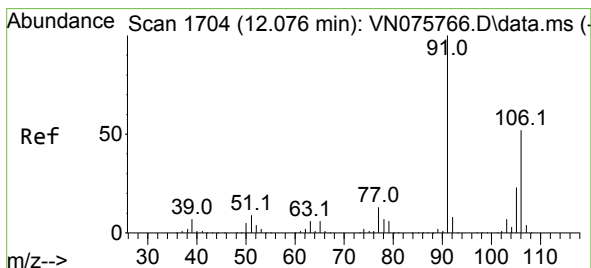
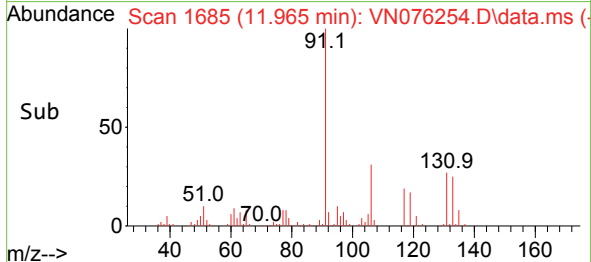
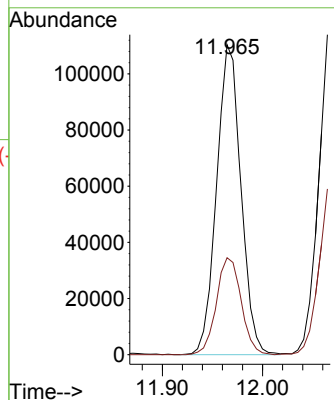
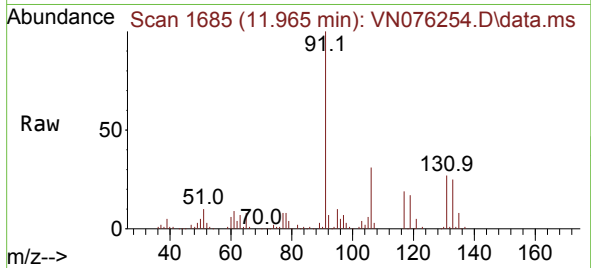




#67  
Ethyl Benzene  
Concen: 16.588 ug/l  
RT: 11.965 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

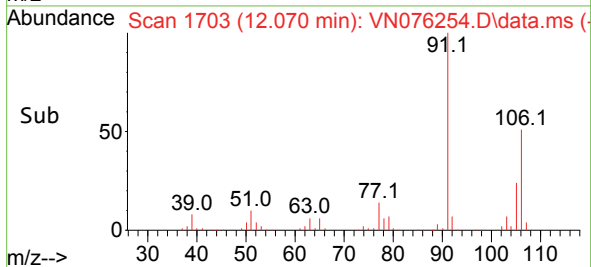
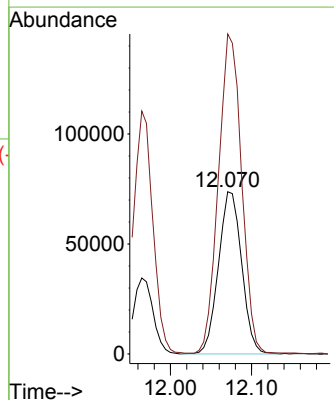
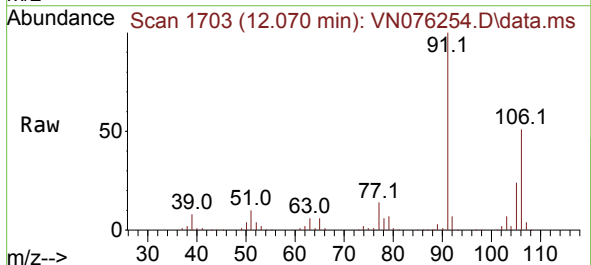
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0113MBSD01

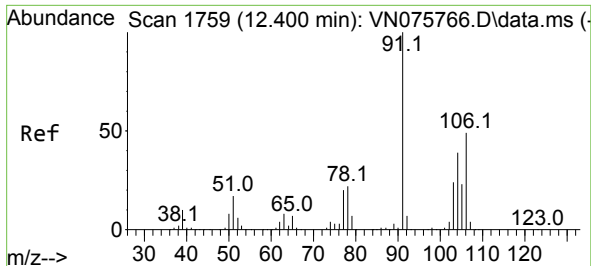
Tgt Ion: 91 Resp: 185954  
Ion Ratio Lower Upper  
91 100  
106 31.3 25.7 38.5



#68  
m/p-Xylenes  
Concen: 33.071 ug/l  
RT: 12.070 min Scan# 1703  
Delta R.T. -0.006 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

Tgt Ion:106 Resp: 146741  
Ion Ratio Lower Upper  
106 100  
91 196.8 156.6 235.0

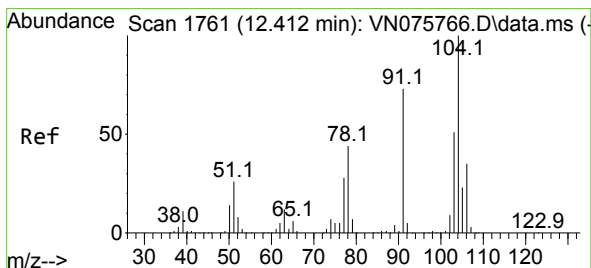
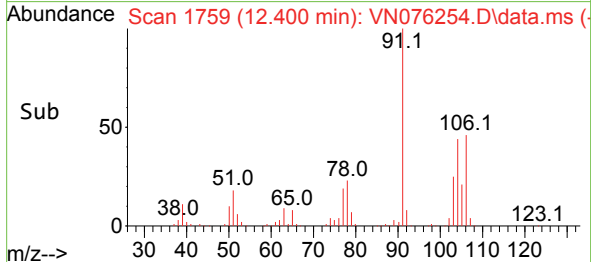
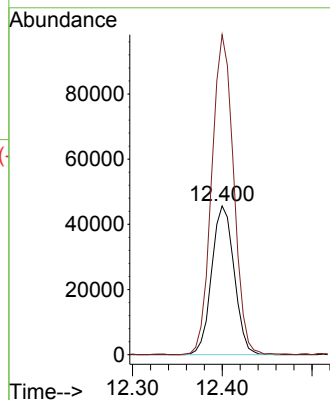
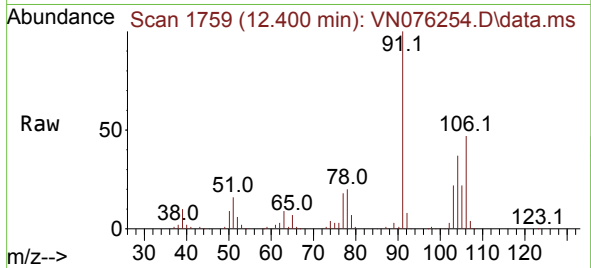




#69  
o-Xylene  
Concen: 18.102 ug/l  
RT: 12.400 min Scan# 1759  
Delta R.T. -0.000 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

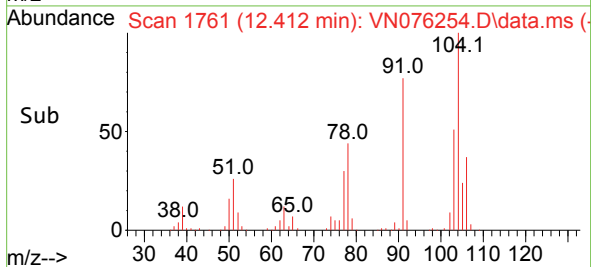
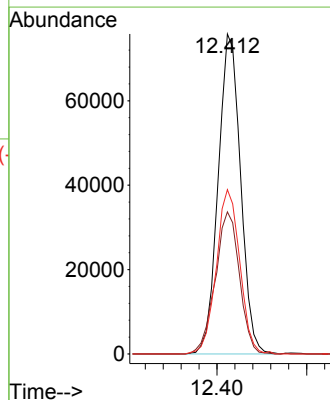
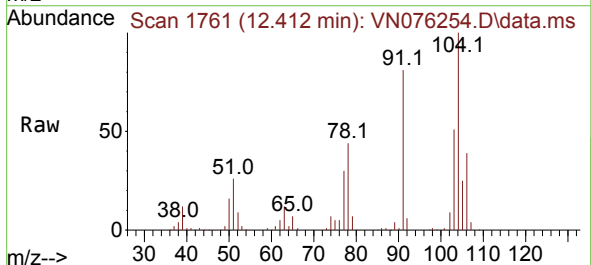
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0113MBSD01

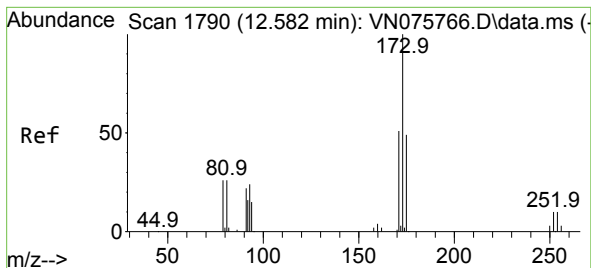
Tgt Ion:106 Resp: 79485  
Ion Ratio Lower Upper  
106 100  
91 209.9 103.8 311.6



#70  
Styrene  
Concen: 18.815 ug/l  
RT: 12.412 min Scan# 1761  
Delta R.T. -0.000 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

Tgt Ion:104 Resp: 131361  
Ion Ratio Lower Upper  
104 100  
78 47.9 37.5 56.3  
103 53.8 43.5 65.3





#71

Bromoform

Concen: 24.557 ug/l

RT: 12.582 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN076254.D

Acq: 13 Jan 2023 17:27

Instrument :

MSVOA\_N

ClientSampleId :

VN0113MBS01

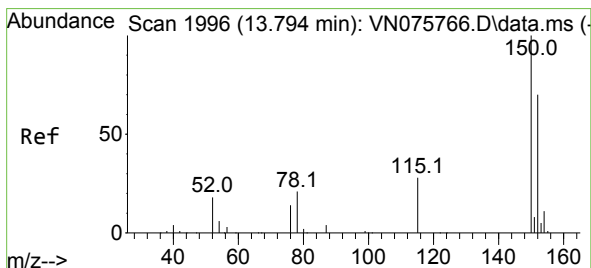
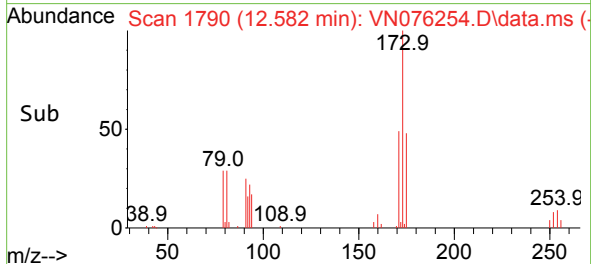
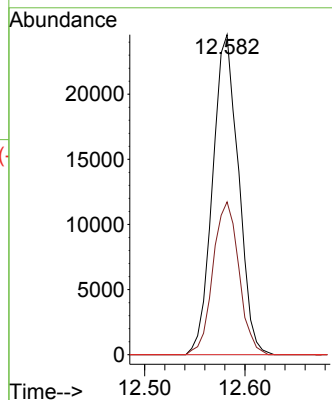
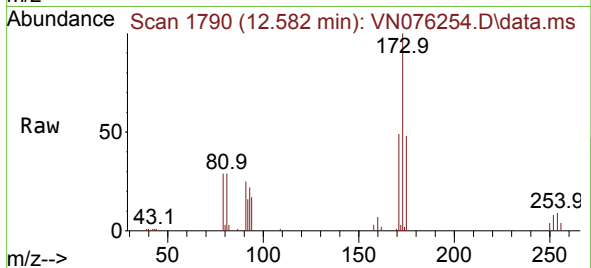
Tgt Ion:173 Resp: 43962

Ion Ratio Lower Upper

173 100

175 48.0 24.3 72.8

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1996

Delta R.T. -0.000 min

Lab File: VN076254.D

Acq: 13 Jan 2023 17:27

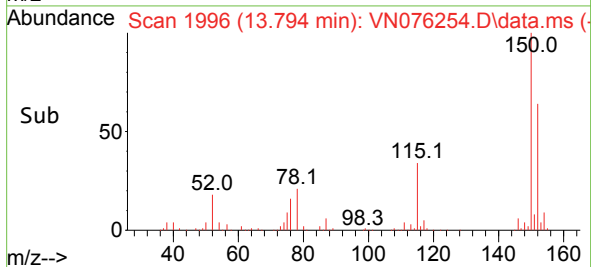
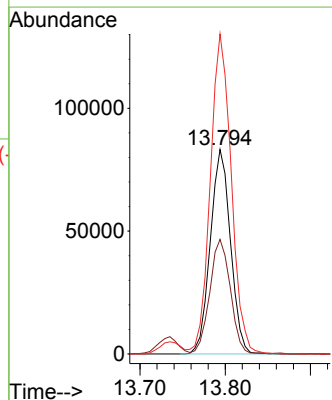
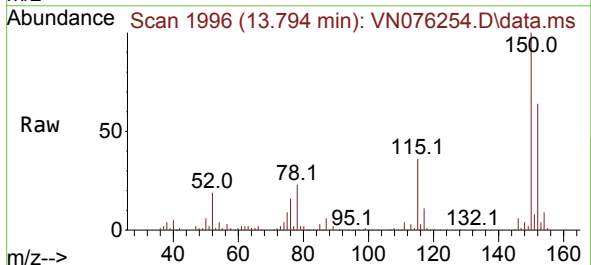
Tgt Ion:152 Resp: 136952

Ion Ratio Lower Upper

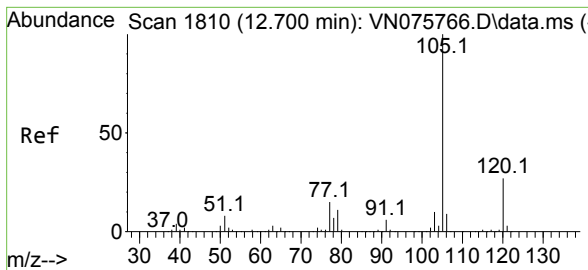
152 100

115 57.2 29.1 87.4

150 162.7 0.0 347.0



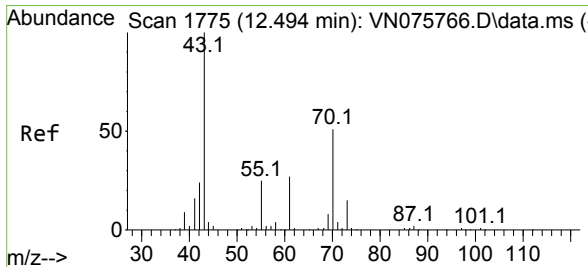
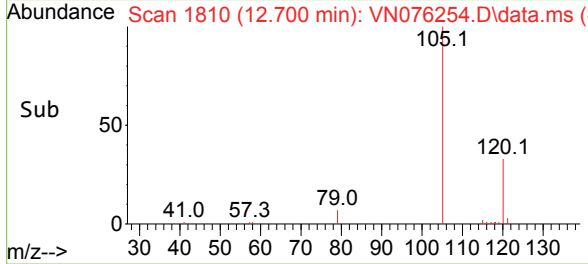
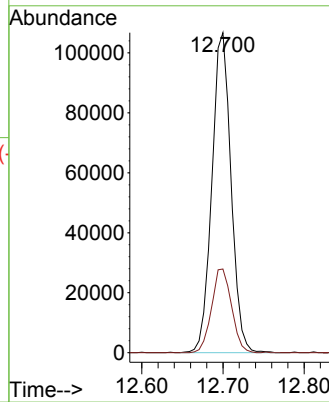
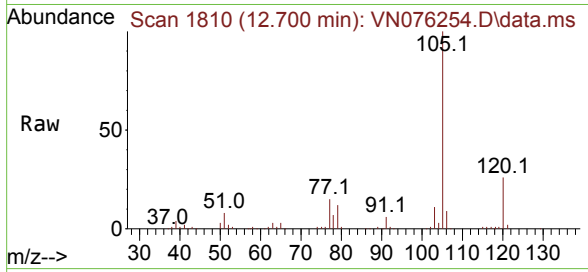




#73  
Isopropylbenzene  
Concen: 17.637 ug/l  
RT: 12.700 min Scan# 1810  
Delta R.T. -0.000 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

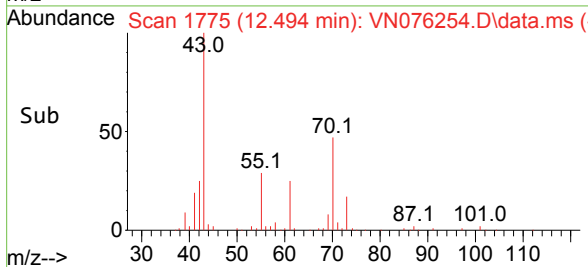
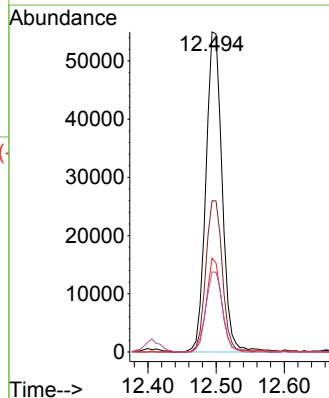
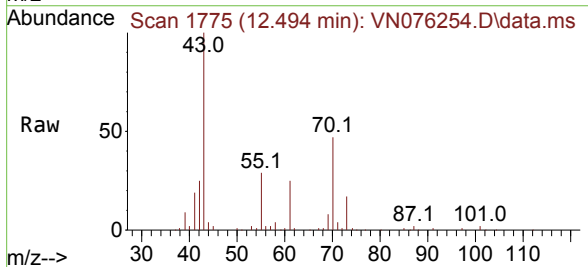
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0113MBSD01

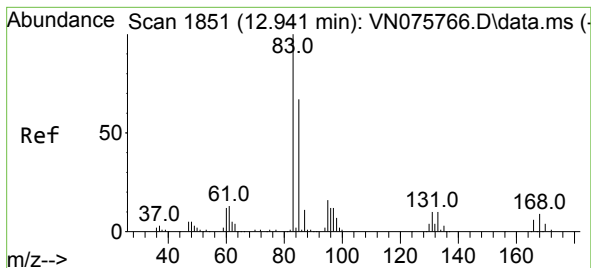
Tgt Ion:105 Resp: 174544  
Ion Ratio Lower Upper  
105 100  
120 27.3 13.4 40.2



#74  
N-ethyl acetate  
Concen: 31.452 ug/l  
RT: 12.494 min Scan# 1775  
Delta R.T. -0.000 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

Tgt Ion: 43 Resp: 91318  
Ion Ratio Lower Upper  
43 100  
70 47.8 41.4 62.0  
55 27.6 21.3 31.9  
61 25.7 21.2 31.8





#75

1,1,2,2-Tetrachloroethane

Concen: 27.716 ug/l

RT: 12.941 min Scan# 1851

Delta R.T. -0.000 min

Lab File: VN076254.D

Acq: 13 Jan 2023 17:27

Instrument :

MSVOA\_N

ClientSampleId :

VN0113MBSD01

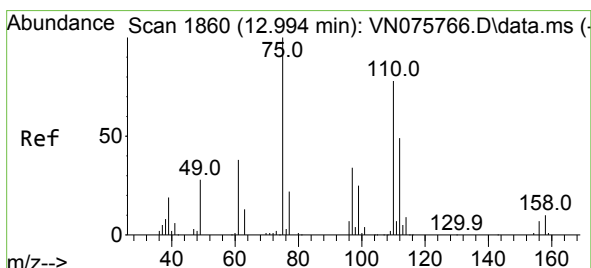
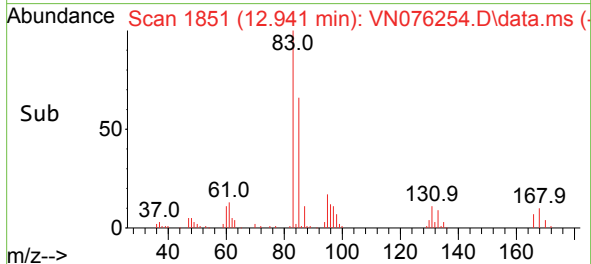
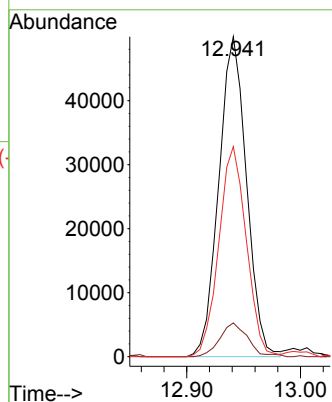
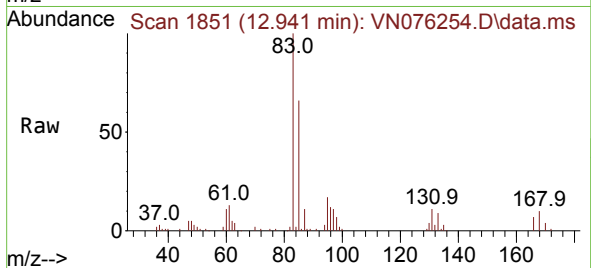
Tgt Ion: 83 Resp: 84796

Ion Ratio Lower Upper

83 100

131 10.6 5.6 16.8

85 65.1 32.6 98.0



#76

1,2,3-Trichloropropane

Concen: 37.308 ug/l

RT: 12.994 min Scan# 1860

Delta R.T. -0.000 min

Lab File: VN076254.D

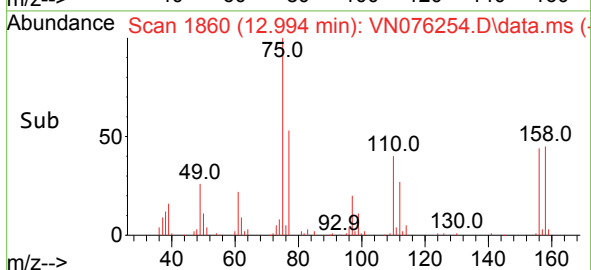
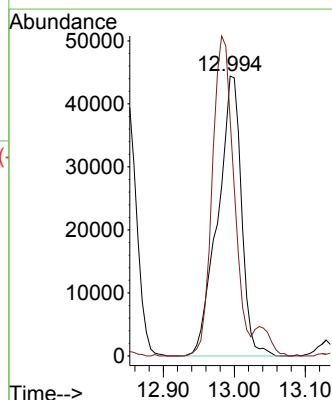
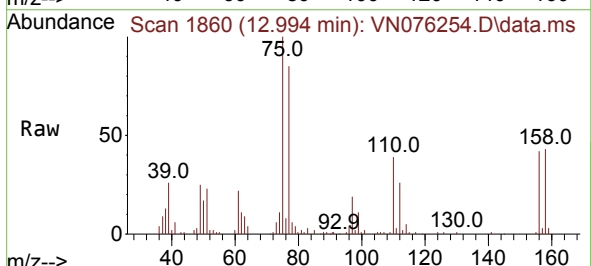
Acq: 13 Jan 2023 17:27

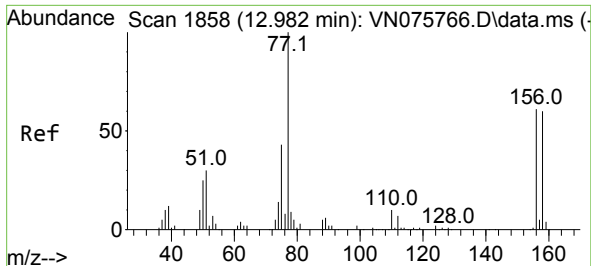
Tgt Ion: 75 Resp: 102992

Ion Ratio Lower Upper

75 100

77 103.5 82.6 247.8

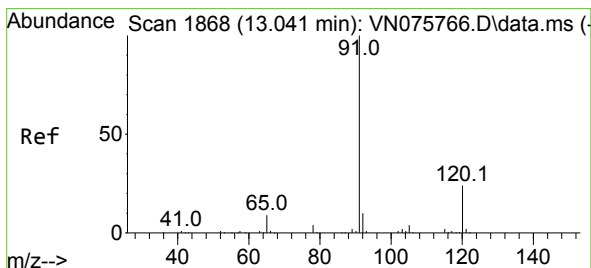
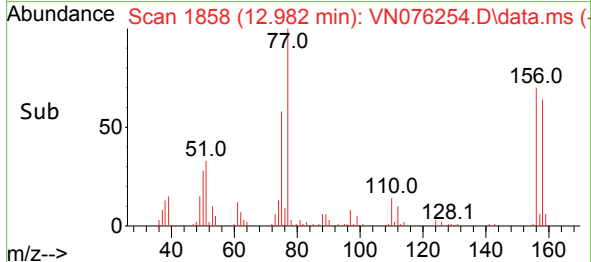
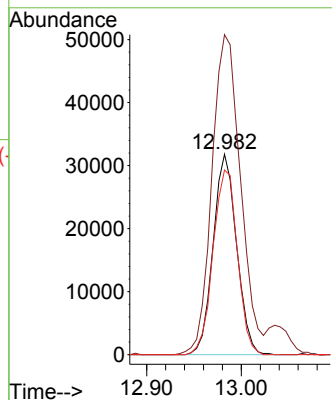
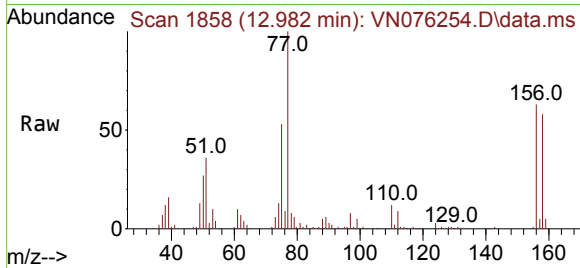




#77  
Bromobenzene  
Concen: 21.860 ug/l  
RT: 12.982 min Scan# 1858  
Delta R.T. -0.000 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

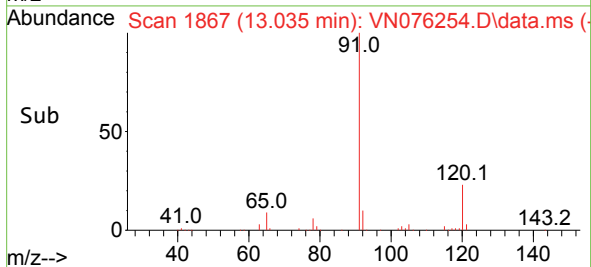
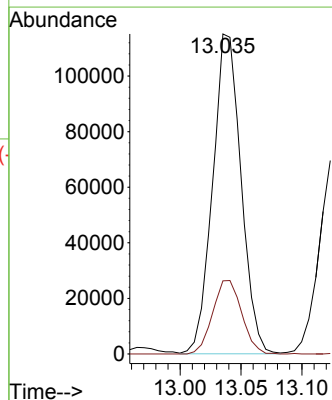
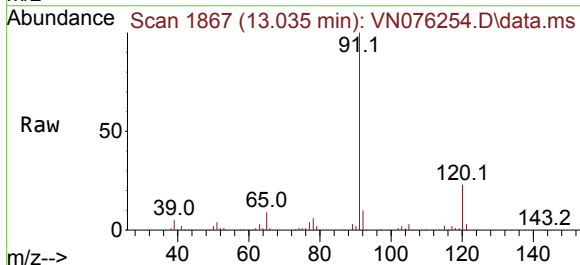
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0113MBSD01

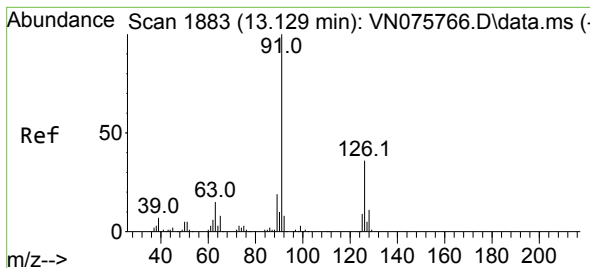
| Tgt Ion | Resp  | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 54752 |       |       |
| 77      | 194.7 | 93.8  | 281.3 |
| 158     | 95.4  | 48.9  | 146.6 |



#78  
n-propylbenzene  
Concen: 17.136 ug/l  
RT: 13.035 min Scan# 1867  
Delta R.T. -0.006 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

| Tgt Ion | Resp   | Lower | Upper |
|---------|--------|-------|-------|
| 91      | 187045 |       |       |
| 120     | 23.4   | 12.0  | 36.1  |





#79

2-Chlorotoluene

Concen: 19.150 ug/l

RT: 13.129 min Scan# 1883

Delta R.T. -0.000 min

Lab File: VN076254.D

Acq: 13 Jan 2023 17:27

Instrument :

MSVOA\_N

ClientSampleId :

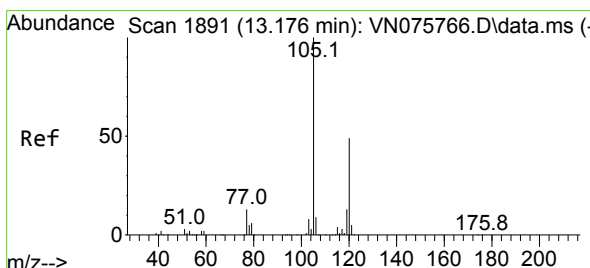
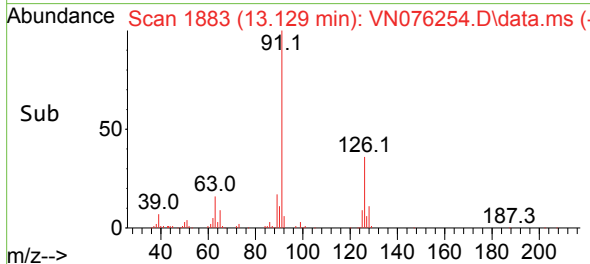
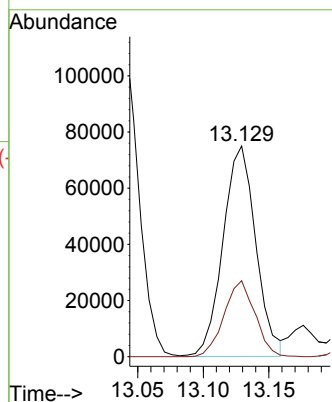
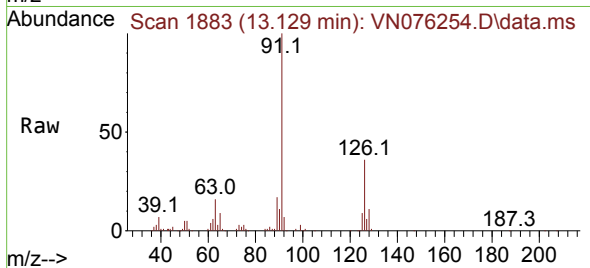
VN0113MBS01

Tgt Ion: 91 Resp: 130483

Ion Ratio Lower Upper

91 100

126 34.0 17.5 52.5



#80

1,3,5-Trimethylbenzene

Concen: 18.757 ug/l

RT: 13.176 min Scan# 1891

Delta R.T. -0.000 min

Lab File: VN076254.D

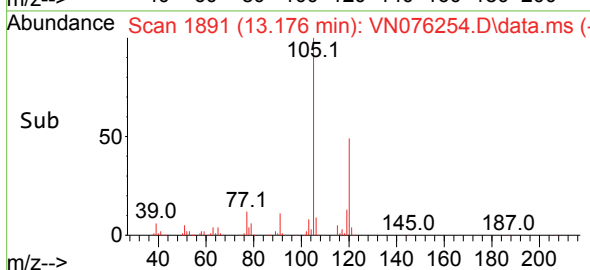
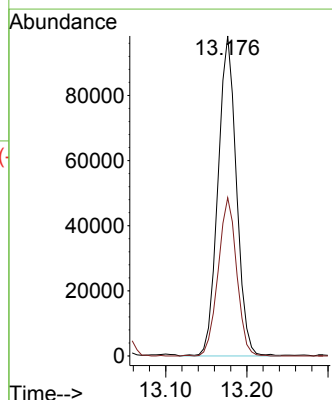
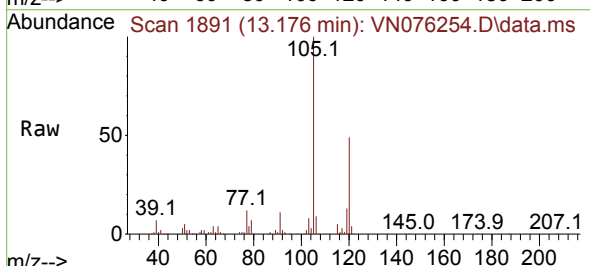
Acq: 13 Jan 2023 17:27

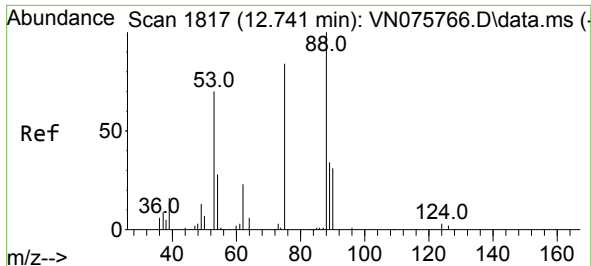
Tgt Ion:105 Resp: 155369

Ion Ratio Lower Upper

105 100

120 49.6 24.7 74.1

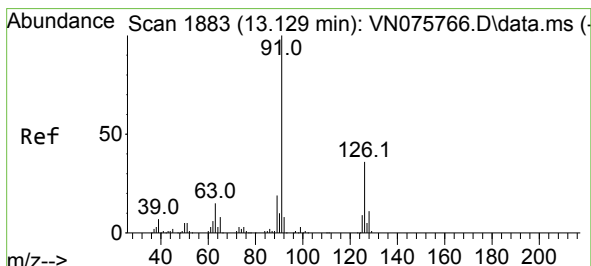
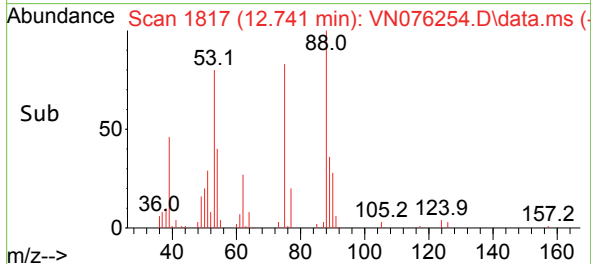
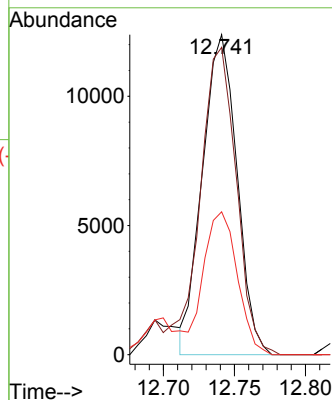
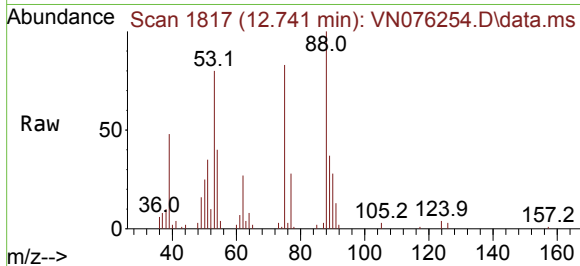




#81  
trans-1,4-Dichloro-2-butene  
Concen: 27.341 ug/l  
RT: 12.741 min Scan# 1817  
Delta R.T. -0.000 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

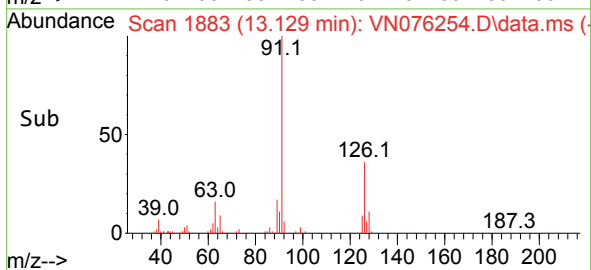
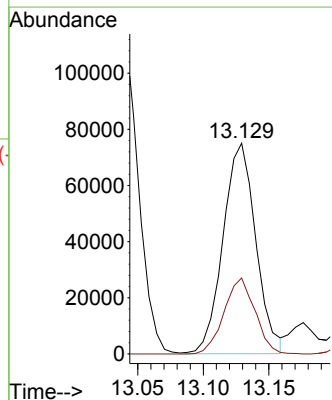
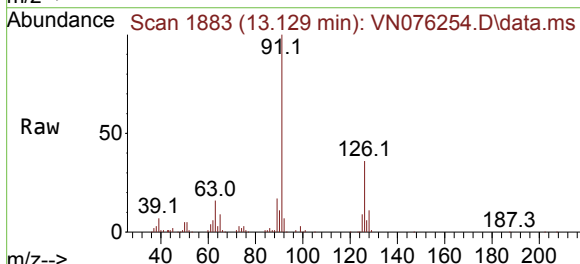
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0113MBS01

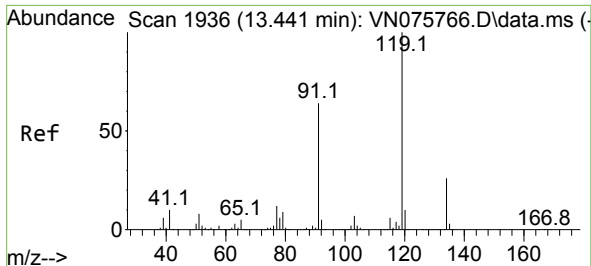
Tgt Ion: 75 Resp: 20969  
Ion Ratio Lower Upper  
75 100  
53 101.3 73.8 110.6  
89 43.2 39.5 59.3



#82  
4-Chlorotoluene  
Concen: 19.150 ug/l  
RT: 13.129 min Scan# 1883  
Delta R.T. -0.000 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

Tgt Ion: 91 Resp: 130483  
Ion Ratio Lower Upper  
91 100  
126 34.0 17.5 52.5

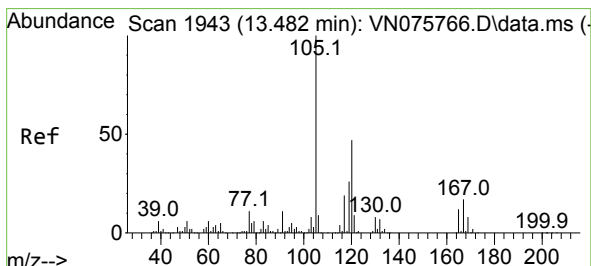
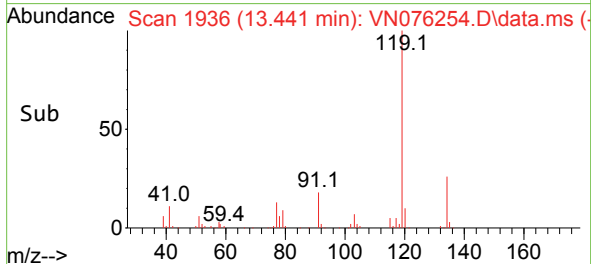
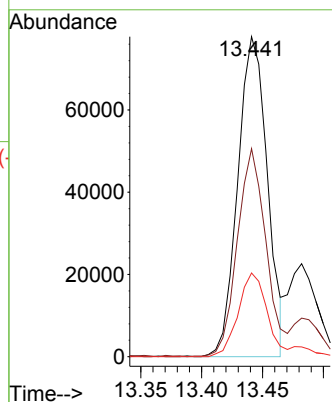
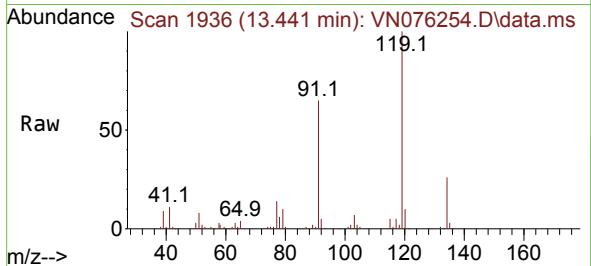




#83  
tert-Butylbenzene  
Concen: 18.011 ug/l  
RT: 13.441 min Scan# 1936  
Delta R.T. -0.000 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

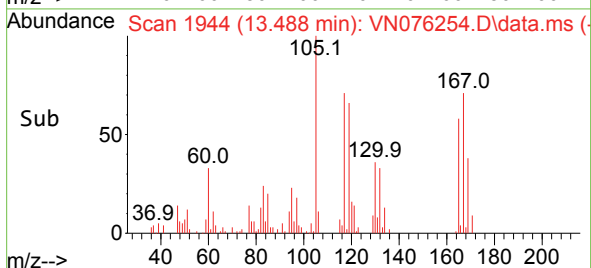
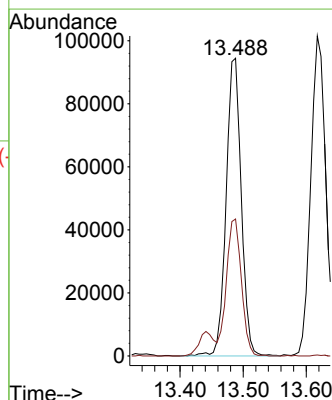
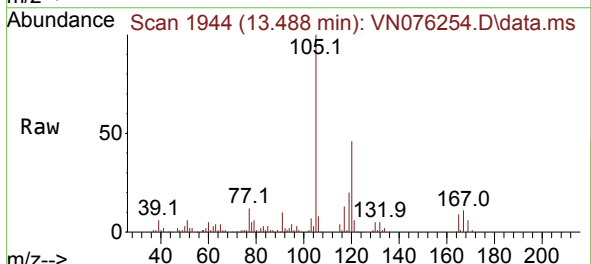
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0113MBSD01

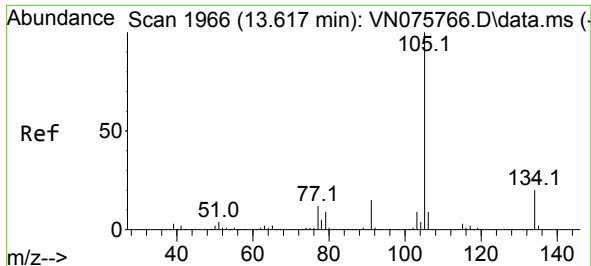
Tgt Ion:119 Resp: 131532  
Ion Ratio Lower Upper  
119 100  
91 63.5 31.9 95.5  
134 25.4 13.8 41.4



#84  
1,2,4-Trimethylbenzene  
Concen: 19.122 ug/l  
RT: 13.488 min Scan# 1944  
Delta R.T. 0.006 min  
Lab File: VN076254.D  
Acq: 13 Jan 2023 17:27

Tgt Ion:105 Resp: 157127  
Ion Ratio Lower Upper  
105 100  
120 45.6 23.3 69.8

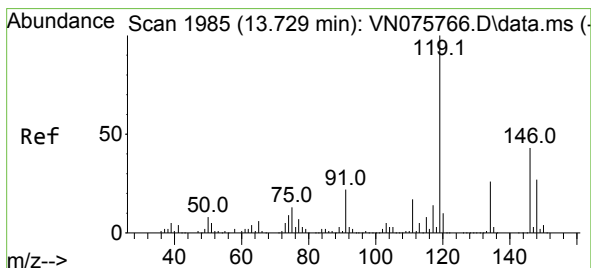
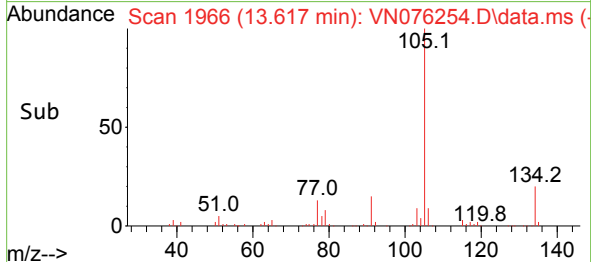
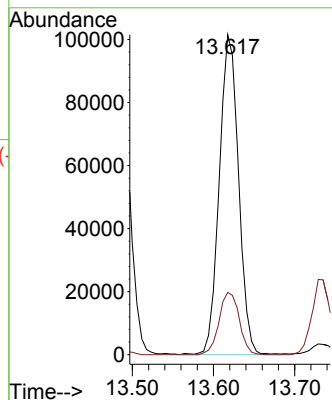
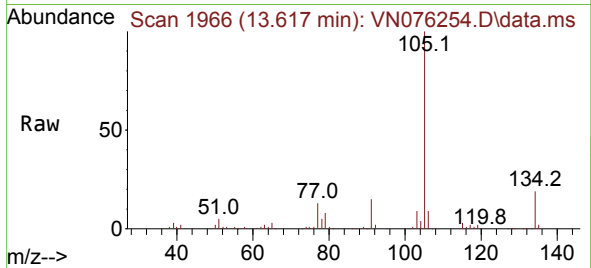




#85  
 sec-Butylbenzene  
 Concen: 16.649 ug/l  
 RT: 13.617 min Scan# 1966  
 Delta R.T. -0.000 min  
 Lab File: VN076254.D  
 Acq: 13 Jan 2023 17:27

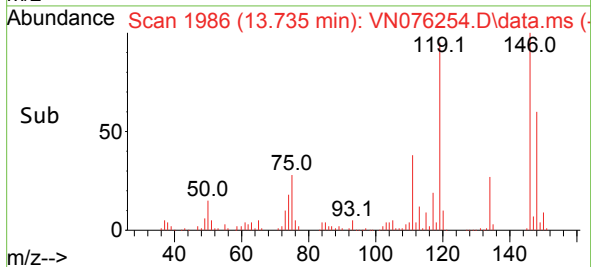
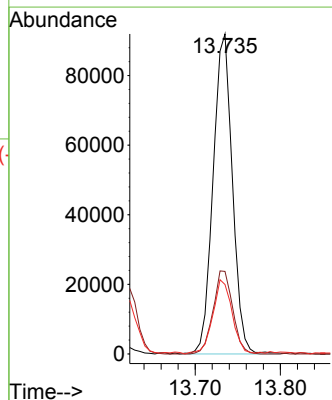
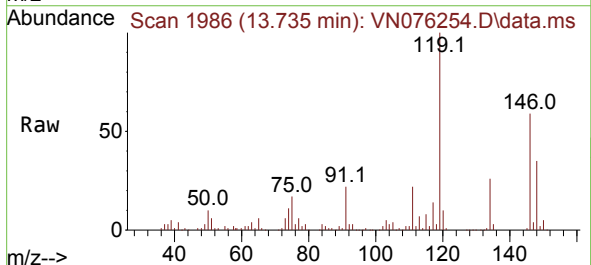
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0113MBSD01

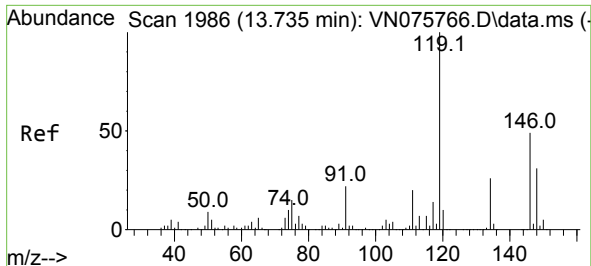
Tgt Ion:105 Resp: 167817  
 Ion Ratio Lower Upper  
 105 100  
 134 20.4 10.1 30.1



#86  
 p-Isopropyltoluene  
 Concen: 17.267 ug/l  
 RT: 13.735 min Scan# 1986  
 Delta R.T. 0.006 min  
 Lab File: VN076254.D  
 Acq: 13 Jan 2023 17:27

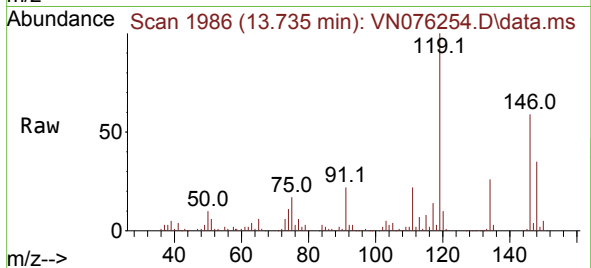
Tgt Ion:119 Resp: 144826  
 Ion Ratio Lower Upper  
 119 100  
 134 26.3 13.0 39.0  
 91 23.3 11.2 33.6



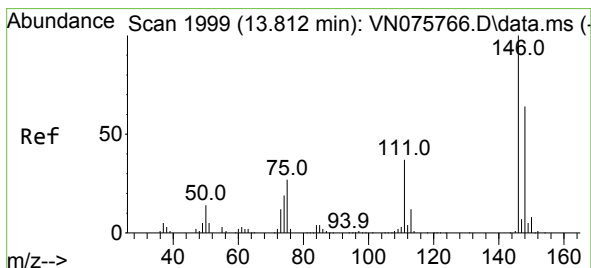
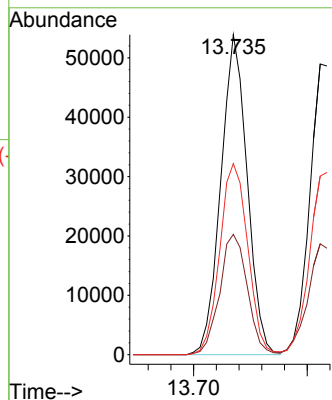
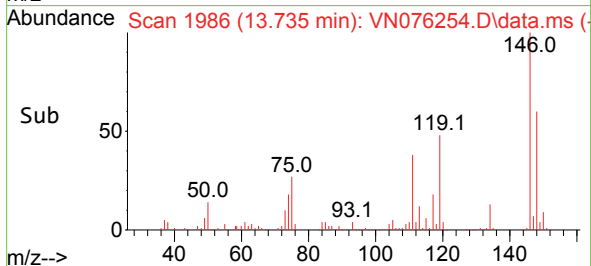


#87  
 1,3-Dichlorobenzene  
 Concen: 18.792 ug/l  
 RT: 13.735 min Scan# 1986  
 Delta R.T. -0.000 min  
 Lab File: VN076254.D  
 Acq: 13 Jan 2023 17:27

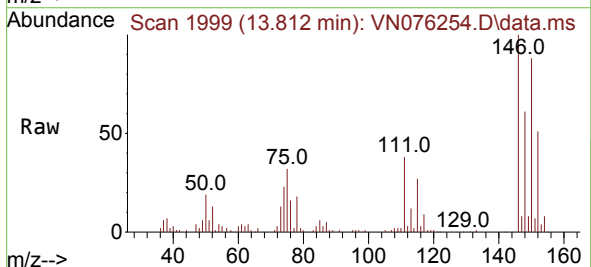
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0113MBSD01



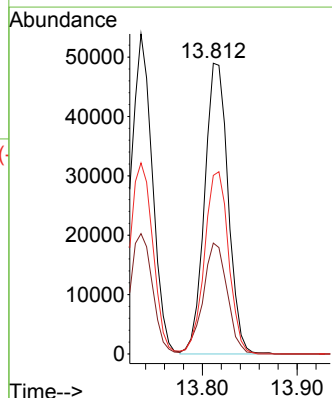
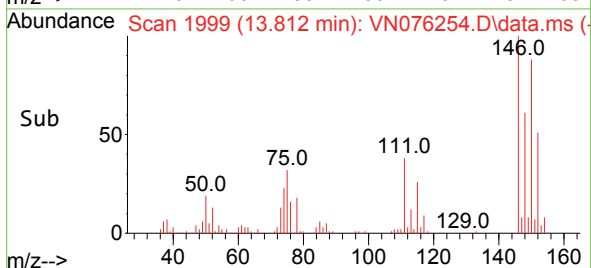
Tgt Ion:146 Resp: 86941  
 Ion Ratio Lower Upper  
 146 100  
 111 39.5 19.7 59.0  
 148 63.5 31.4 94.2



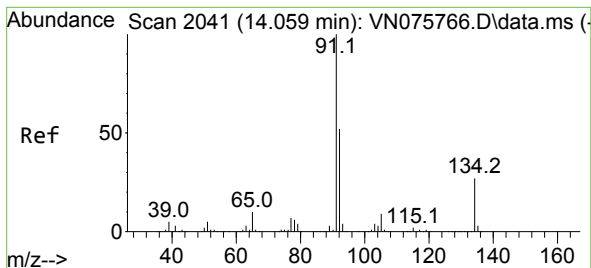
#88  
 1,4-Dichlorobenzene  
 Concen: 17.905 ug/l  
 RT: 13.812 min Scan# 1999  
 Delta R.T. -0.000 min  
 Lab File: VN076254.D  
 Acq: 13 Jan 2023 17:27



Tgt Ion:146 Resp: 84627  
 Ion Ratio Lower Upper  
 146 100  
 111 39.5 19.1 57.1  
 148 64.4 32.0 96.2







#89

n-Butylbenzene

Concen: 15.294 ug/l

RT: 14.059 min Scan# 2041

Delta R.T. -0.000 min

Lab File: VN076254.D

Acq: 13 Jan 2023 17:27

Instrument :

MSVOA\_N

ClientSampleId :

VN0113MBSD01

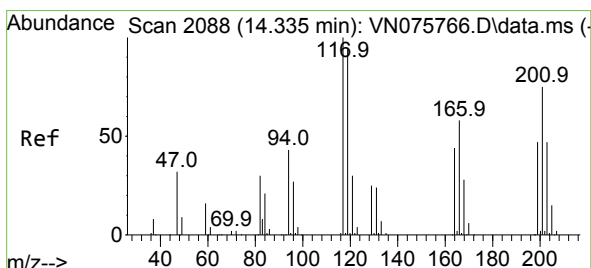
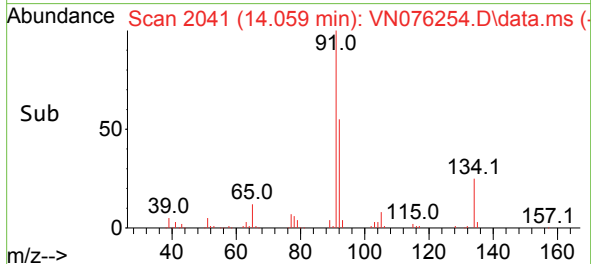
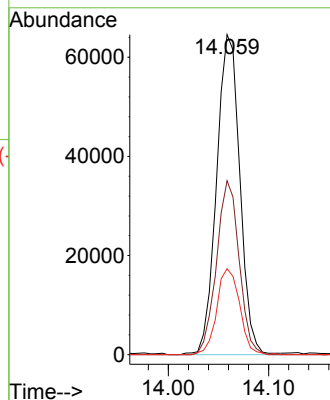
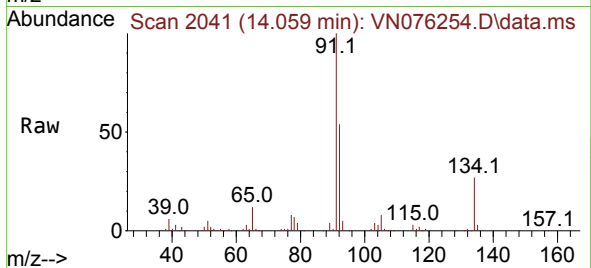
Tgt Ion: 91 Resp: 103918

Ion Ratio Lower Upper

91 100

92 52.7 26.4 79.2

134 26.4 13.4 40.2



#90

Hexachloroethane

Concen: 16.156 ug/l

RT: 14.335 min Scan# 2088

Delta R.T. -0.000 min

Lab File: VN076254.D

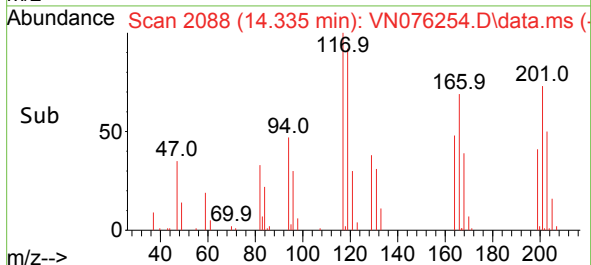
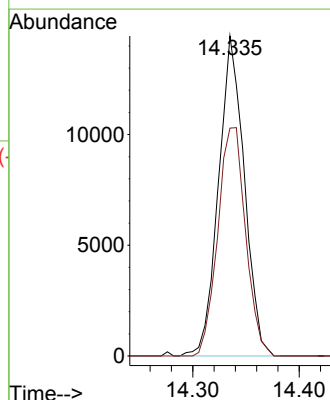
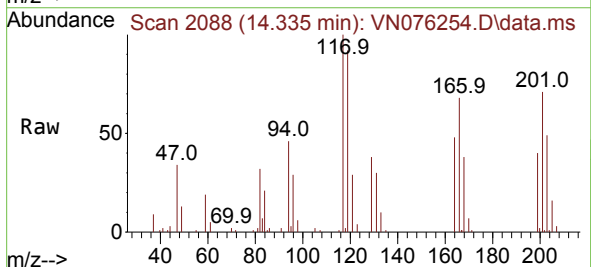
Acq: 13 Jan 2023 17:27

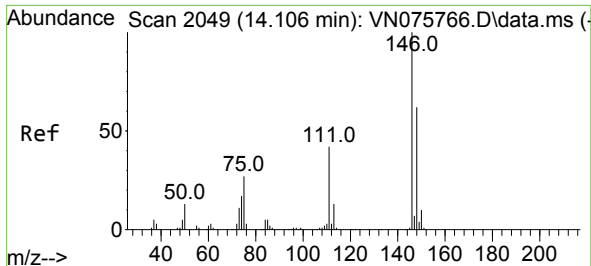
Tgt Ion: 117 Resp: 24239

Ion Ratio Lower Upper

117 100

201 77.2 38.0 114.1





#91

1,2-Dichlorobenzene

Concen: 21.169 ug/l

RT: 14.106 min Scan# 2049

Delta R.T. -0.000 min

Lab File: VN076254.D

Acq: 13 Jan 2023 17:27

Instrument :

MSVOA\_N

ClientSampleId :

VN0113MBS01

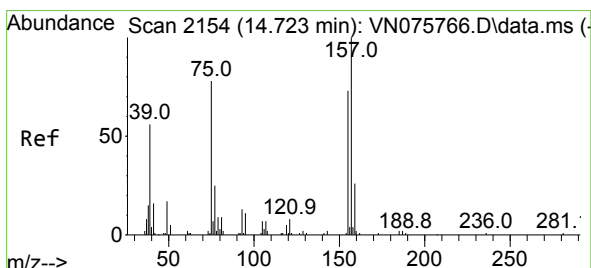
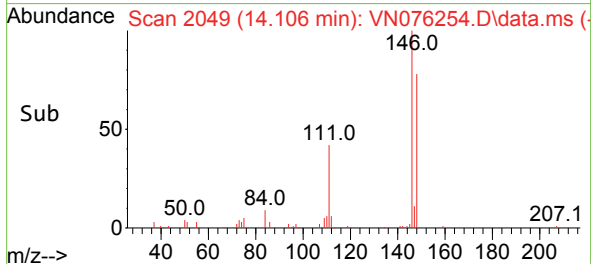
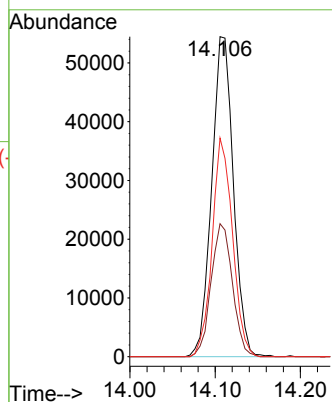
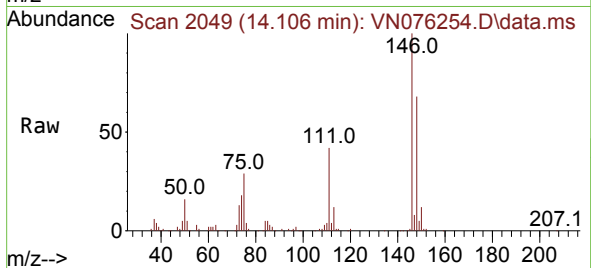
Tgt Ion:146 Resp: 96468

Ion Ratio Lower Upper

146 100

111 40.9 20.3 61.0

148 64.2 31.7 95.1



#92

1,2-Dibromo-3-Chloropropane

Concen: 27.214 ug/l

RT: 14.723 min Scan# 2154

Delta R.T. -0.000 min

Lab File: VN076254.D

Acq: 13 Jan 2023 17:27

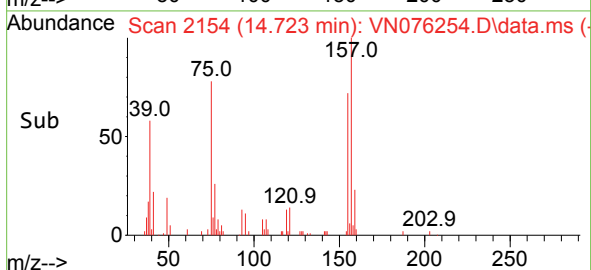
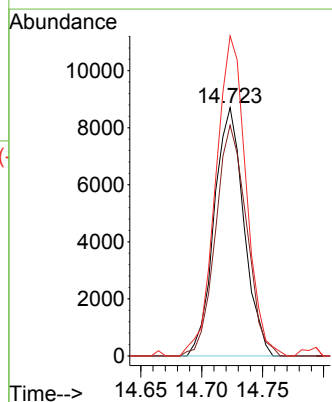
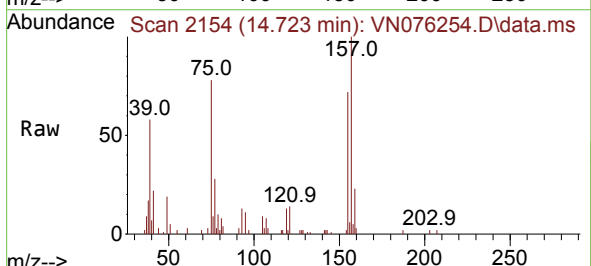
Tgt Ion: 75 Resp: 14774

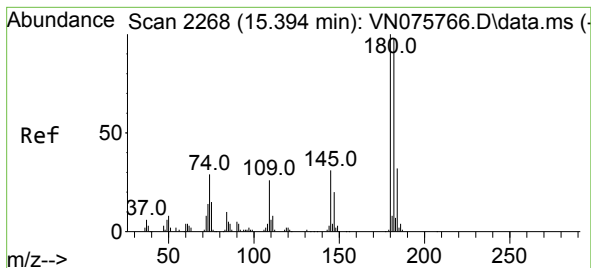
Ion Ratio Lower Upper

75 100

155 96.6 49.3 147.8

157 131.7 63.7 191.3





#93

1,2,4-Trichlorobenzene

Concen: 18.771 ug/l

RT: 15.394 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN076254.D

Acq: 13 Jan 2023 17:27

Instrument :

MSVOA\_N

ClientSampleId :

VN0113MBS01

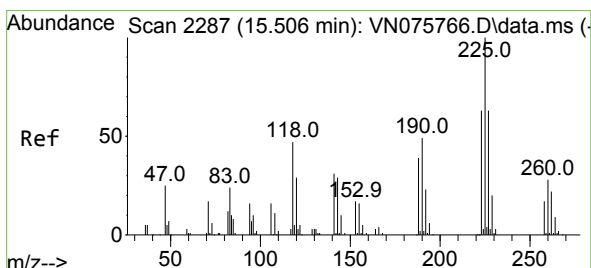
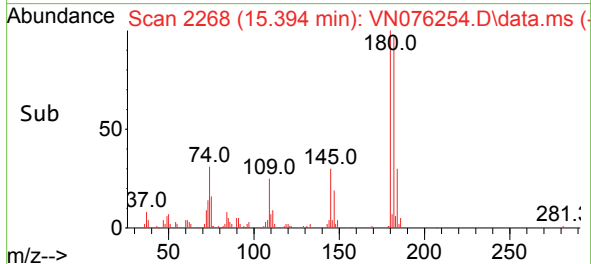
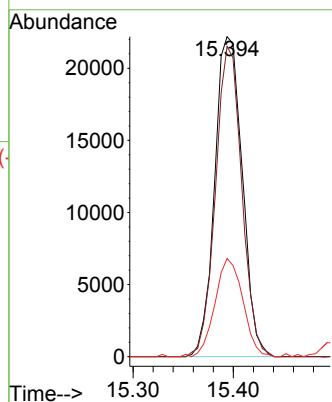
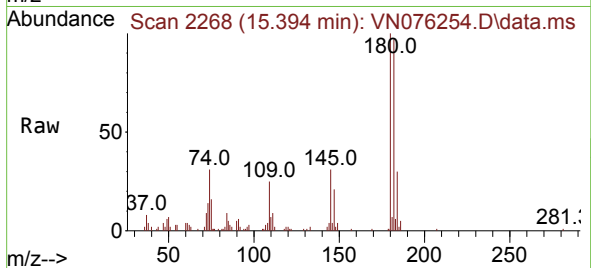
Tgt Ion:180 Resp: 42350

Ion Ratio Lower Upper

180 100

182 92.4 47.5 142.5

145 31.0 15.3 45.8



#94

Hexachlorobutadiene

Concen: 14.808 ug/l

RT: 15.506 min Scan# 2287

Delta R.T. -0.000 min

Lab File: VN076254.D

Acq: 13 Jan 2023 17:27

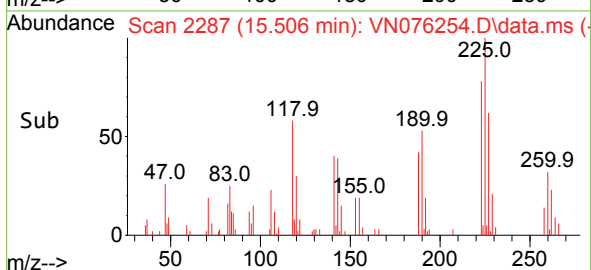
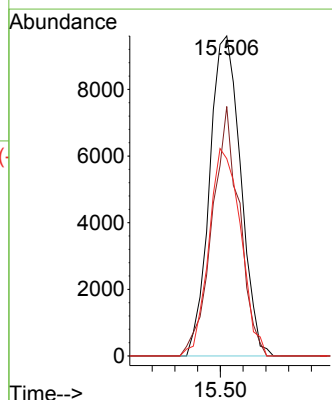
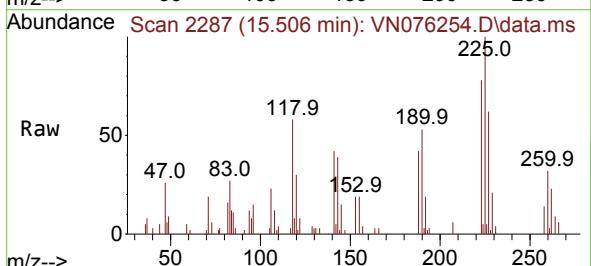
Tgt Ion:225 Resp: 18227

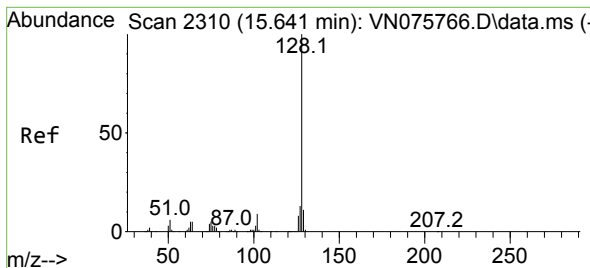
Ion Ratio Lower Upper

225 100

223 68.6 31.5 94.5

227 66.5 31.6 95.0





#95

Naphthalene

Concen: 23.190 ug/l

RT: 15.641 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN076254.D

Acq: 13 Jan 2023 17:27

Instrument :

MSVOA\_N

ClientSampleId :

VN0113MBS01

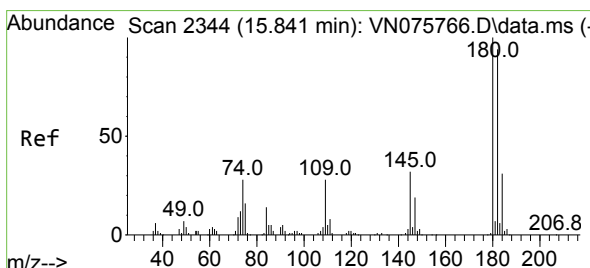
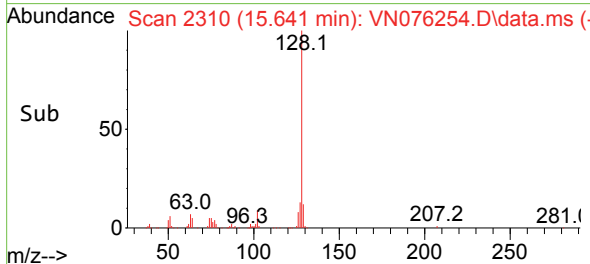
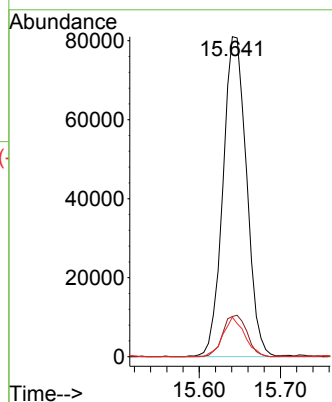
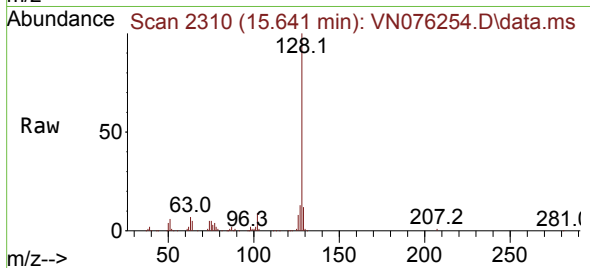
Tgt Ion:128 Resp: 163747

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

129 11.5 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 20.070 ug/l

RT: 15.847 min Scan# 2345

Delta R.T. 0.006 min

Lab File: VN076254.D

Acq: 13 Jan 2023 17:27

Tgt Ion:180 Resp: 42321

Ion Ratio Lower Upper

180 100

182 97.3 47.0 141.0

145 34.0 16.0 47.9

