

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN080723\  
 Data File : VN078786.D  
 Acq On : 07 Aug 2023 20:04  
 Operator : JC\MD  
 Sample : VSTDICC010  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC010

Quant Time: Aug 08 05:17:32 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N080723W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 08 05:03:52 2023  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 8.236  | 168   | 140914   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.112  | 114   | 250358   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.871 | 117   | 209359   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.794 | 152   | 69298    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.583  | 65    | 20525    | 9.716    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | =      | 19.440%# |
| 35) Dibromofluoromethane     | 8.177  | 113   | 15633    | 9.246    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 18.500%# |
| 50) Toluene-d8               | 10.571 | 98    | 55432    | 8.909    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | =      | 17.820%# |
| 62) 4-Bromofluorobenzene     | 12.853 | 95    | 15826    | 8.511    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | =      | 17.020%# |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.136  | 85    | 23456    | 11.279   | ug/l   | 99       |
| 3) Chloromethane             | 2.371  | 50    | 27849    | 11.481   | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.518  | 62    | 25210    | 11.007   | ug/l   | 89       |
| 5) Bromomethane              | 2.965  | 94    | 19351    | 11.929   | ug/l   | 94       |
| 6) Chloroethane              | 3.124  | 64    | 17014    | 11.297   | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 3.501  | 101   | 35191    | 11.185   | ug/l   | 95       |
| 8) Diethyl Ether             | 3.965  | 74    | 12614    | 10.988   | ug/l   | 61       |
| 9) 1,1,2-Trichlorotrifluo... | 4.383  | 101   | 17835    | 10.883   | ug/l   | 96       |
| 10) Methyl Iodide            | 4.606  | 142   | 22617    | 10.748   | ug/l   | 98       |
| 11) Tert butyl alcohol       | 5.547  | 59    | 21063    | 56.811   | ug/l # | 86       |
| 12) 1,1-Dichloroethene       | 4.353  | 96    | 19101    | 11.599   | ug/l   | 94       |
| 13) Acrolein                 | 4.189  | 56    | 14646    | 46.689   | ug/l   | 92       |
| 14) Allyl chloride           | 5.042  | 41    | 27235    | 9.932    | ug/l # | 61       |
| 15) Acrylonitrile            | 5.736  | 53    | 51380    | 53.215   | ug/l   | 99       |
| 16) Acetone                  | 4.453  | 43    | 44150    | 54.318   | ug/l # | 85       |
| 17) Carbon Disulfide         | 4.718  | 76    | 53414    | 11.370   | ug/l   | 97       |
| 18) Methyl Acetate           | 5.042  | 43    | 38838    | 10.639   | ug/l # | 83       |
| 19) Methyl tert-butyl Ether  | 5.818  | 73    | 60978    | 10.961   | ug/l   | 95       |
| 20) Methylene Chloride       | 5.289  | 84    | 22062    | 10.960   | ug/l # | 70       |
| 21) trans-1,2-Dichloroethene | 5.800  | 96    | 20326    | 11.029   | ug/l   | 97       |
| 22) Diisopropyl ether        | 6.689  | 45    | 72929    | 11.070   | ug/l # | 86       |
| 23) Vinyl Acetate            | 6.624  | 43    | 213911   | 51.744   | ug/l # | 81       |
| 24) 1,1-Dichloroethane       | 6.577  | 63    | 40905    | 11.419   | ug/l   | 96       |
| 25) 2-Butanone               | 7.500  | 43    | 76060    | 55.261   | ug/l # | 80       |
| 26) 2,2-Dichloropropane      | 7.494  | 77    | 26644    | 10.651   | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 7.500  | 96    | 24025    | 11.355   | ug/l   | 89       |
| 28) Bromochloromethane       | 7.818  | 49    | 22338    | 11.508   | ug/l # | 70       |
| 29) Tetrahydrofuran          | 7.853  | 42    | 50263    | 54.571   | ug/l # | 71       |
| 30) Chloroform               | 7.977  | 83    | 40158    | 11.131   | ug/l   | 88       |
| 31) Cyclohexane              | 8.265  | 56    | 35097    | 11.307   | ug/l   | 90       |
| 32) 1,1,1-Trichloroethane    | 8.183  | 97    | 32992    | 10.758   | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 8.383  | 75    | 27663    | 10.546   | ug/l   | 97       |
| 37) Ethyl Acetate            | 7.571  | 43    | 29906    | 10.724   | ug/l # | 90       |
| 38) Carbon Tetrachloride     | 8.371  | 117   | 29415    | 10.878   | ug/l   | 91       |
| 39) Methylcyclohexane        | 9.606  | 83    | 25487    | 10.403   | ug/l # | 74       |
| 40) Benzene                  | 8.612  | 78    | 86806    | 10.942   | ug/l   | 98       |

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 Sample : VSTDIC010  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC010

Quant Time: Aug 08 05:17:32 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N080723W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 08 05:03:52 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.789  | 41   | 16809    | 10.840  | ug/l # | 80       |
| 42) 1,2-Dichloroethane        | 8.683  | 62   | 31441    | 11.026  | ug/l   | 87       |
| 43) Isopropyl Acetate         | 8.694  | 43   | 49332    | 10.492  | ug/l # | 88       |
| 44) Trichloroethene           | 9.359  | 130  | 21204    | 10.913  | ug/l   | 91       |
| 45) 1,2-Dichloropropane       | 9.630  | 63   | 23770    | 11.177  | ug/l   | 93       |
| 46) Dibromomethane            | 9.712  | 93   | 14986    | 10.587  | ug/l   | 90       |
| 47) Bromodichloromethane      | 9.894  | 83   | 29531    | 10.482  | ug/l   | 90       |
| 48) Methyl methacrylate       | 9.688  | 41   | 23342    | 10.744  | ug/l # | 77       |
| 49) 1,4-Dioxane               | 9.706  | 88   | 7818     | 221.609 | ug/l # | 83       |
| 51) 4-Methyl-2-Pentanone      | 10.453 | 43   | 150816   | 52.367  | ug/l # | 84       |
| 52) Toluene                   | 10.635 | 92   | 50419    | 10.406  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 29495    | 10.246  | ug/l   | 93       |
| 54) cis-1,3-Dichloropropene   | 10.318 | 75   | 32069    | 10.254  | ug/l # | 74       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 20576    | 10.684  | ug/l # | 89       |
| 56) Ethyl methacrylate        | 10.882 | 69   | 26780    | 9.589   | ug/l # | 69       |
| 57) 1,3-Dichloropropane       | 11.171 | 76   | 35453    | 10.588  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 10.165 | 63   | 49873    | 49.742  | ug/l   | 90       |
| 59) 2-Hexanone                | 11.200 | 43   | 106053   | 52.005  | ug/l   | 81       |
| 60) Dibromochloromethane      | 11.365 | 129  | 20591    | 10.187  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.471 | 107  | 19719    | 10.337  | ug/l   | 98       |
| 64) Tetrachloroethene         | 11.112 | 164  | 18417    | 11.417  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.900 | 112  | 53013    | 11.119  | ug/l   | 91       |
| 66) 1,1,1,2-Tetrachloroethane | 11.965 | 131  | 21506    | 11.646  | ug/l   | 95       |
| 67) Ethyl Benzene             | 11.971 | 91   | 90296    | 10.632  | ug/l   | 93       |
| 68) m/p-Xylenes               | 12.076 | 106  | 66194    | 21.127  | ug/l   | 100      |
| 69) o-Xylene                  | 12.406 | 106  | 32858    | 10.684  | ug/l   | 96       |
| 70) Styrene                   | 12.418 | 104  | 49711    | 10.299  | ug/l   | 98       |
| 71) Bromoform                 | 12.582 | 173  | 13386    | 10.393  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.700 | 105  | 80559    | 11.812  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.500 | 43   | 35486    | 11.470  | ug/l # | 81       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 27793    | 11.991  | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane    | 13.000 | 75   | 33219    | 17.730  | ug/l   | 68       |
| 77) Bromobenzene              | 12.982 | 156  | 19028    | 11.890  | ug/l   | 98       |
| 78) n-propylbenzene           | 13.041 | 91   | 83686    | 11.164  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.129 | 91   | 54797    | 11.378  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 60893    | 11.145  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.741 | 75   | 8672     | 12.420  | ug/l   | 92       |
| 82) 4-Chlorotoluene           | 13.229 | 91   | 49342    | 11.199  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.441 | 119  | 51263    | 11.265  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.488 | 105  | 58309    | 11.105  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.623 | 105  | 67035    | 11.266  | ug/l   | 96       |
| 86) p-Isopropyltoluene        | 13.735 | 119  | 50474    | 10.668  | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene       | 13.741 | 146  | 27663    | 10.823  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.823 | 146  | 28492    | 11.246  | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.059 | 91   | 35836    | 10.095  | ug/l   | 96       |
| 90) Hexachloroethane          | 14.335 | 117  | 11605    | 11.835  | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene       | 14.112 | 146  | 27665    | 11.236  | ug/l   | 95       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.723 | 75   | 4439     | 12.485  | ug/l   | 92       |
| 93) 1,2,4-Trichlorobenzene    | 15.400 | 180  | 6556     | 9.476   | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.506 | 225  | 6484     | 10.992  | ug/l   | 96       |
| 95) Naphthalene               | 15.647 | 128  | 21729    | 9.410   | ug/l # | 94       |
| 96) 1,2,3-Trichlorobenzene    | 15.847 | 180  | 8708     | 10.571  | ug/l   | 99       |

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Operator : JC\MD  
Sample : VSTDICC010  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 22 Sample Multiplier: 1

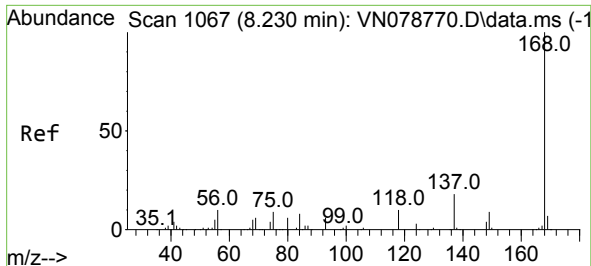
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC010

Quant Time: Aug 08 05:17:32 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N080723W.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 08 05:03:52 2023  
Response via : Initial Calibration

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

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

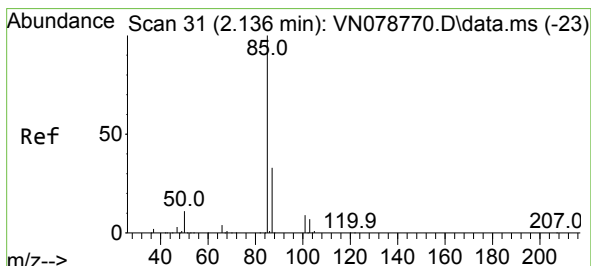
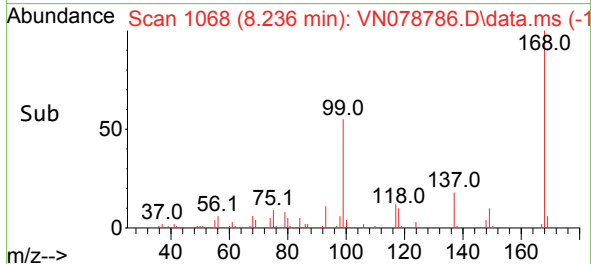
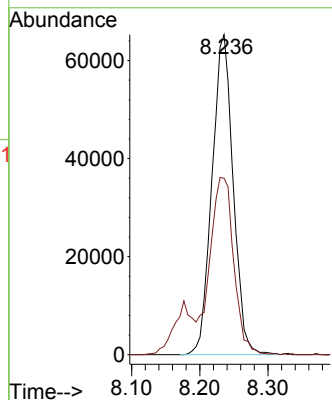
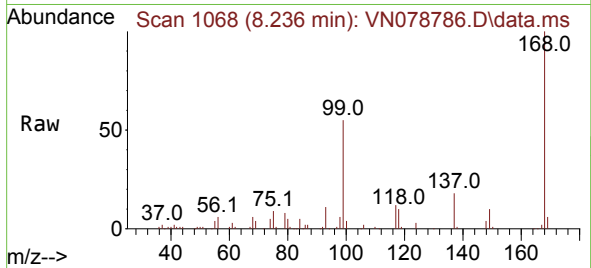




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.236 min Scan# 1067  
Delta R.T. 0.006 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

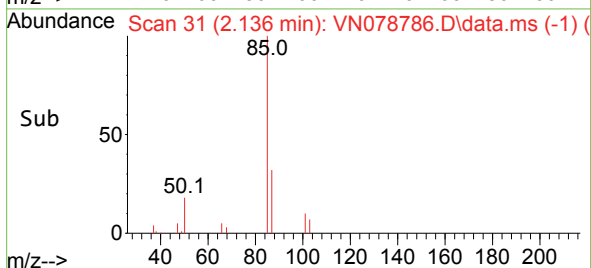
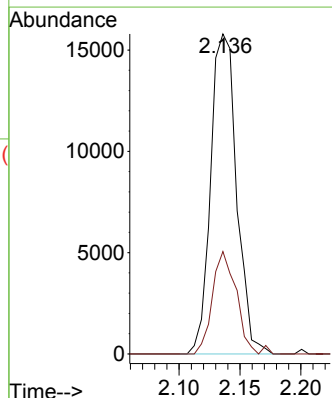
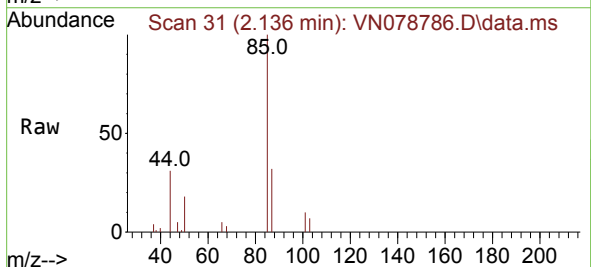
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC010

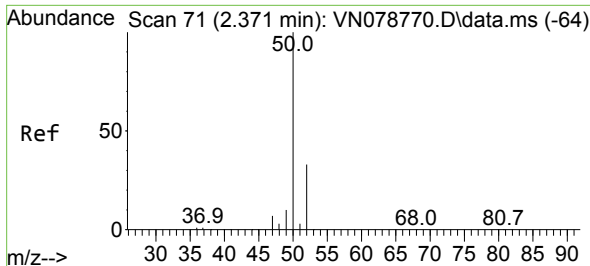
Tgt Ion:168 Resp: 140914  
Ion Ratio Lower Upper  
168 100  
99 55.2 53.0 79.6



#2  
Dichlorodifluoromethane  
Concen: 11.279 ug/l  
RT: 2.136 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

Tgt Ion: 85 Resp: 23456  
Ion Ratio Lower Upper  
85 100  
87 32.0 15.8 47.4

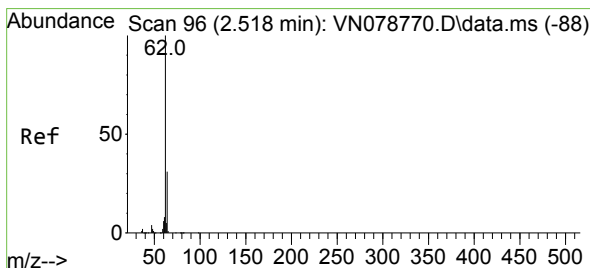
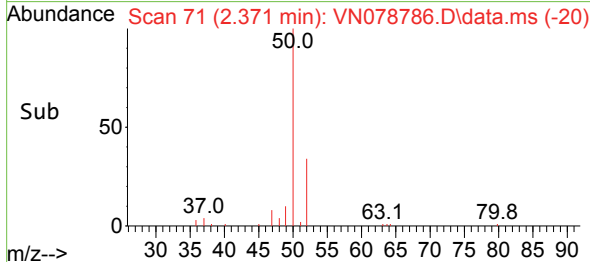
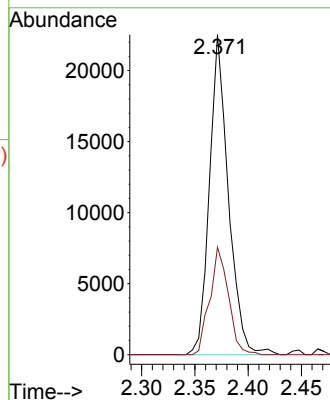
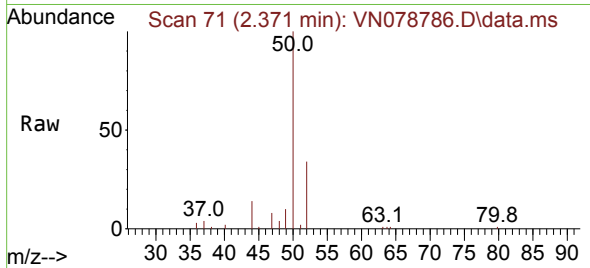




#3  
 Chloromethane  
 Concen: 11.481 ug/l  
 RT: 2.371 min Scan# 71  
 Delta R.T. -0.000 min  
 Lab File: VN078786.D  
 Acq: 07 Aug 2023 20:04

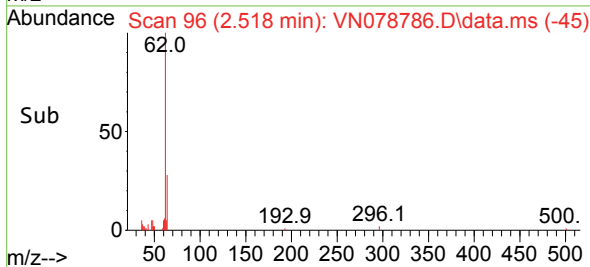
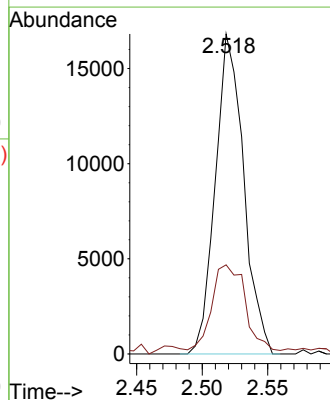
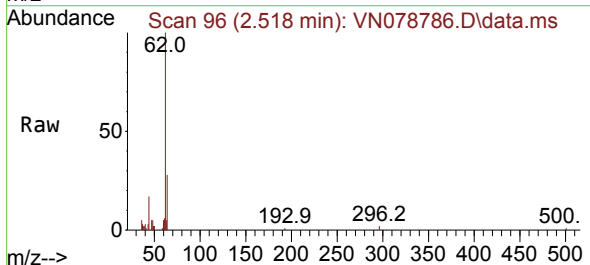
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC010

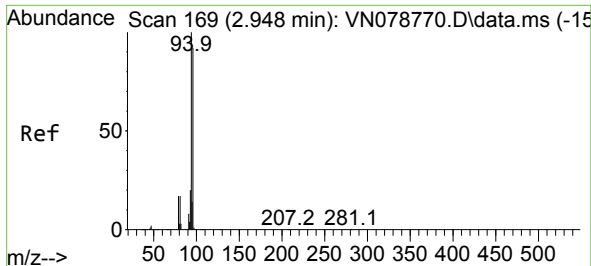
Tgt Ion: 50 Resp: 27849  
 Ion Ratio Lower Upper  
 50 100  
 52 33.6 26.5 39.7



#4  
 Vinyl Chloride  
 Concen: 11.007 ug/l  
 RT: 2.518 min Scan# 96  
 Delta R.T. -0.000 min  
 Lab File: VN078786.D  
 Acq: 07 Aug 2023 20:04

Tgt Ion: 62 Resp: 25210  
 Ion Ratio Lower Upper  
 62 100  
 64 26.8 26.2 39.2

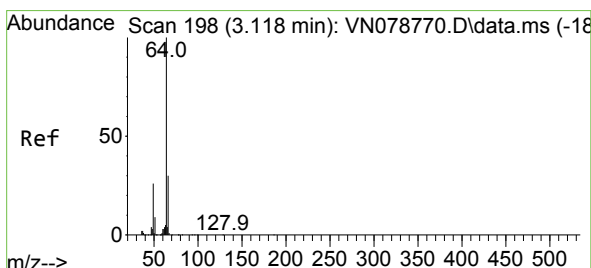
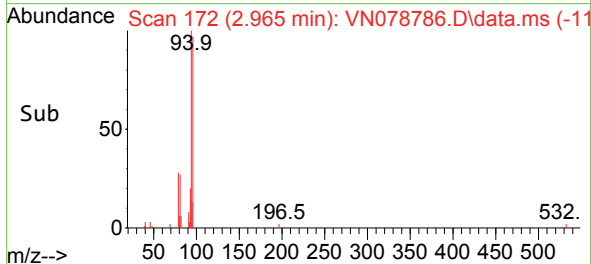
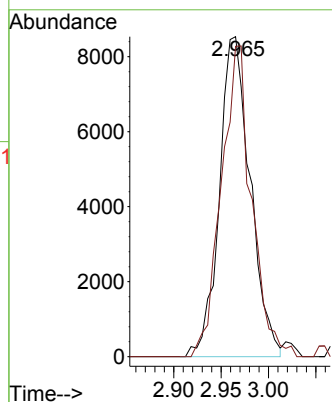
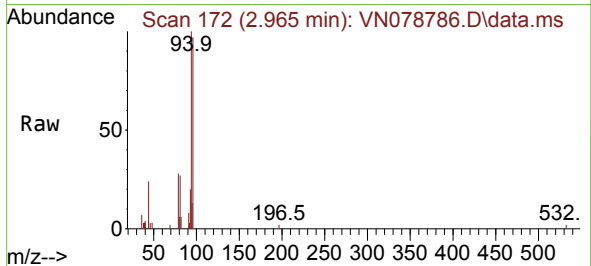




#5  
Bromomethane  
Concen: 11.929 ug/l  
RT: 2.965 min Scan# 11  
Delta R.T. 0.018 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

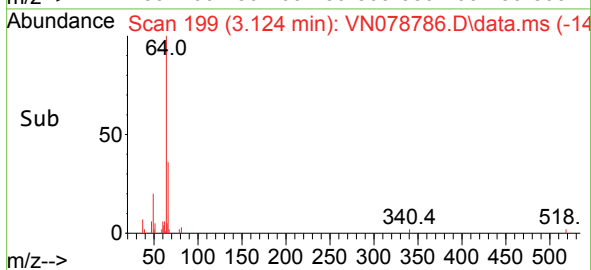
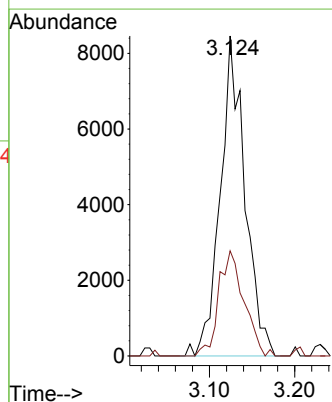
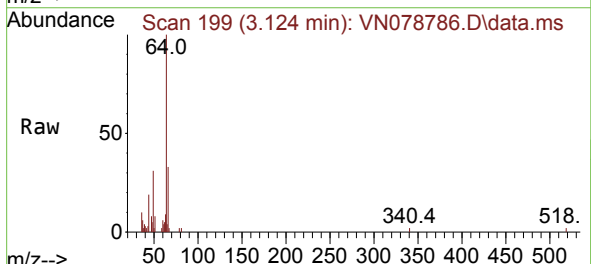
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC010

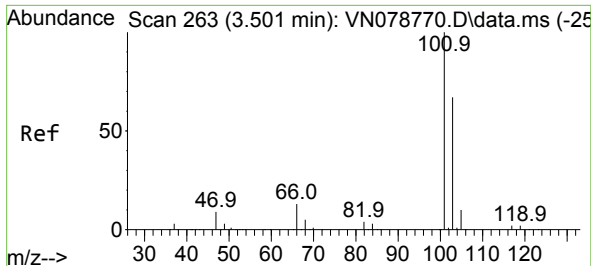
Tgt Ion: 94 Resp: 19351  
Ion Ratio Lower Upper  
94 100  
96 97.0 73.1 109.7



#6  
Chloroethane  
Concen: 11.297 ug/l  
RT: 3.124 min Scan# 199  
Delta R.T. 0.006 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

Tgt Ion: 64 Resp: 17014  
Ion Ratio Lower Upper  
64 100  
66 32.9 25.4 38.2

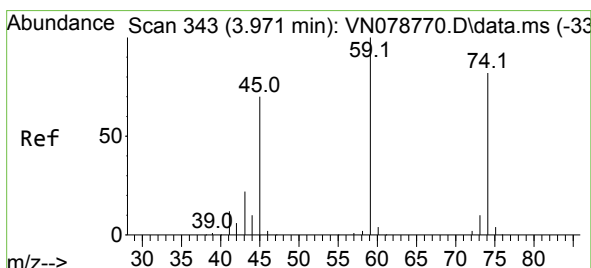
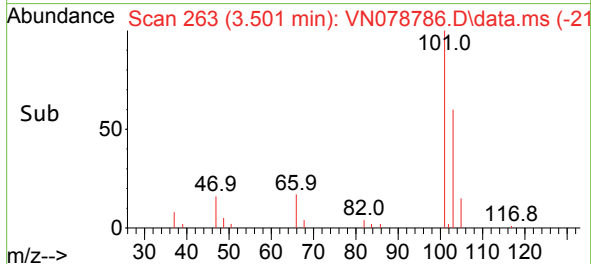
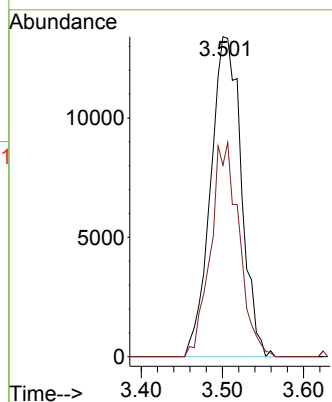
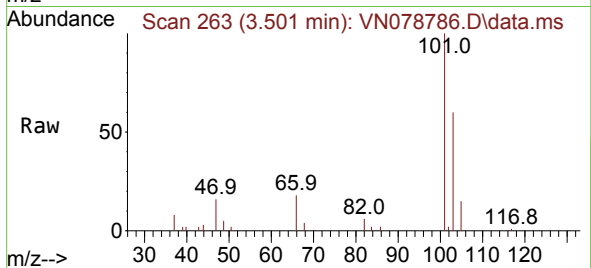




#7  
Trichlorofluoromethane  
Concen: 11.185 ug/l  
RT: 3.501 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

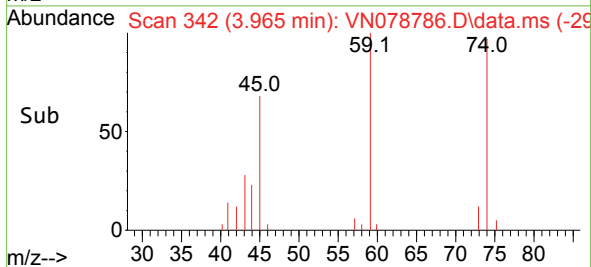
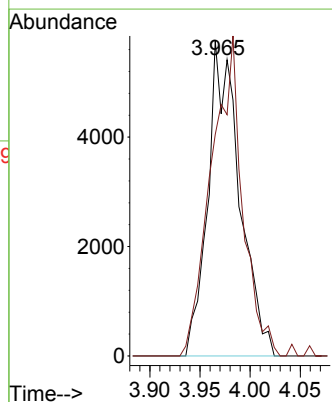
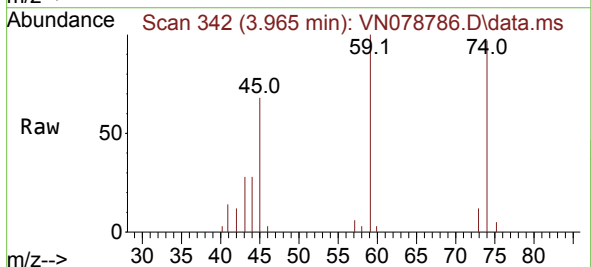
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC010

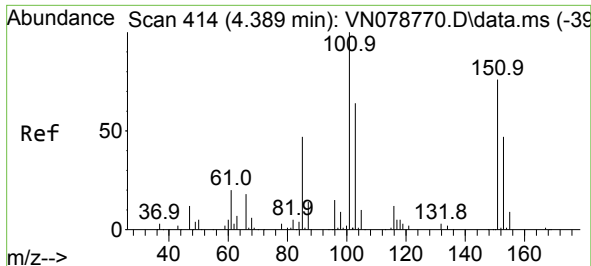
Tgt Ion:101 Resp: 35191  
Ion Ratio Lower Upper  
101 100  
103 59.8 50.7 76.1



#8  
Diethyl Ether  
Concen: 10.988 ug/l  
RT: 3.965 min Scan# 342  
Delta R.T. -0.006 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

Tgt Ion: 74 Resp: 12614  
Ion Ratio Lower Upper  
74 100  
45 100.5 34.4 103.3

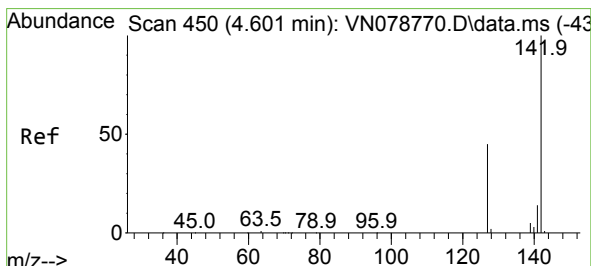
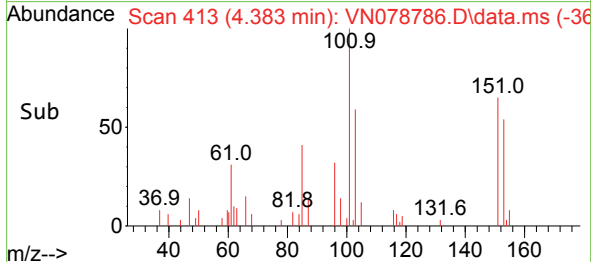
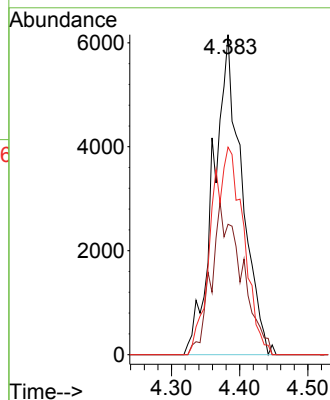
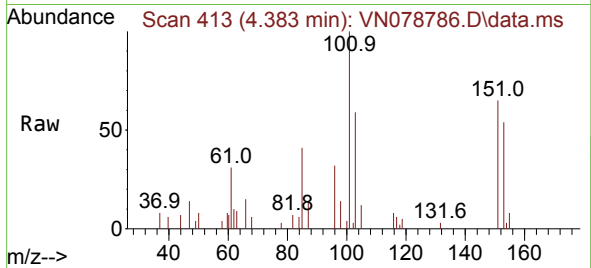




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 10.883 ug/l  
RT: 4.383 min Scan# 414  
Delta R.T. -0.006 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

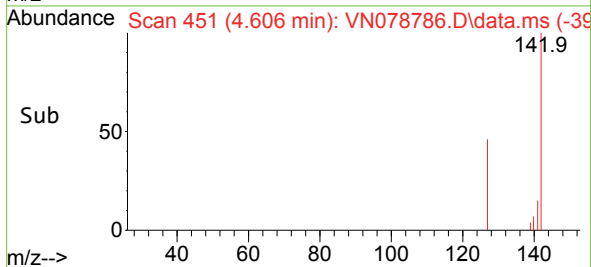
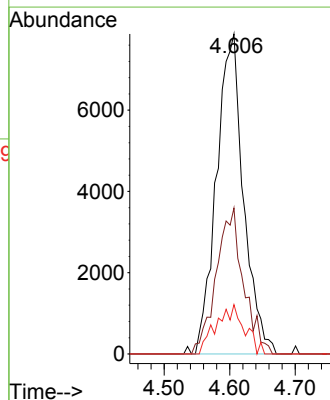
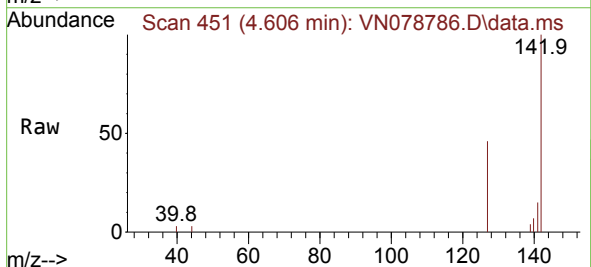
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC010

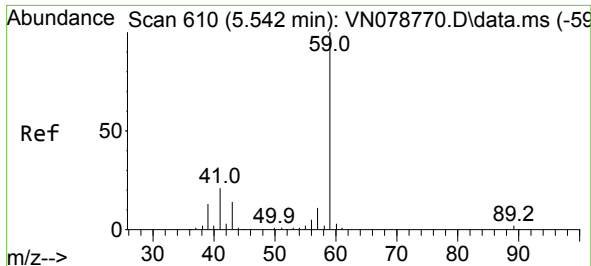
Tgt Ion:101 Resp: 17835  
Ion Ratio Lower Upper  
101 100  
85 51.0 36.6 55.0  
151 73.8 57.6 86.4



#10  
Methyl Iodide  
Concen: 10.748 ug/l  
RT: 4.606 min Scan# 451  
Delta R.T. 0.006 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

Tgt Ion:142 Resp: 22617  
Ion Ratio Lower Upper  
142 100  
127 45.6 37.6 56.4  
141 15.4 11.4 17.0

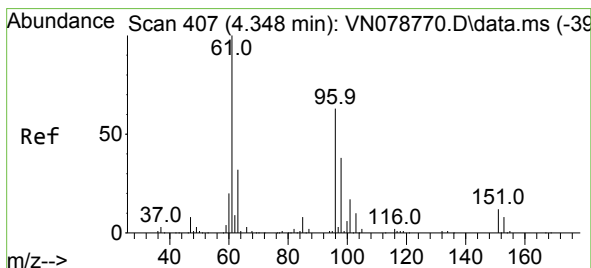
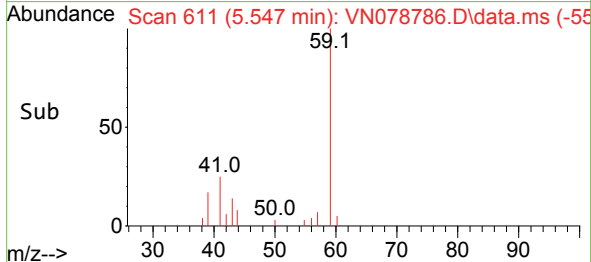
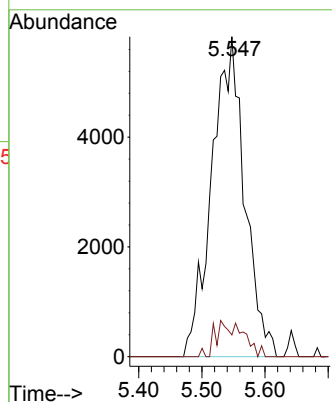
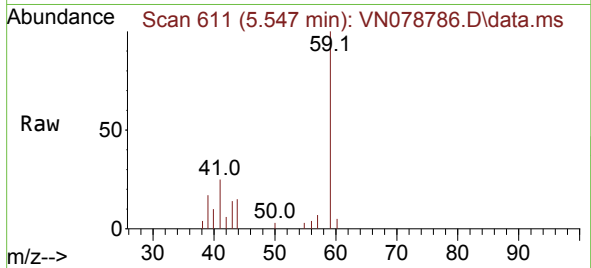




#11  
Tert butyl alcohol  
Concen: 56.811 ug/l  
RT: 5.547 min Scan# 610  
Delta R.T. 0.005 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

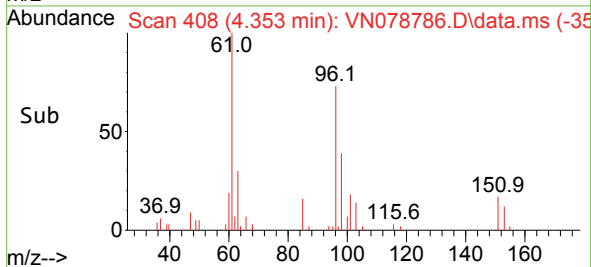
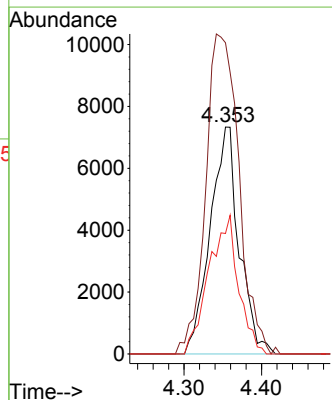
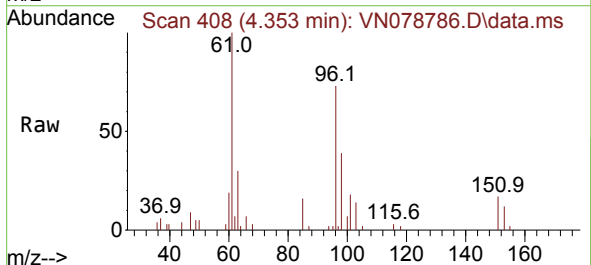
Instrument :  
MSVOA\_N  
ClientSampleId :  
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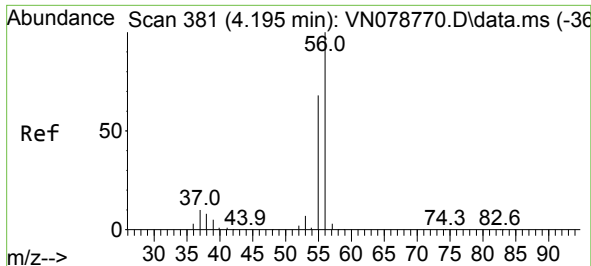
Tgt Ion: 59 Resp: 21063  
Ion Ratio Lower Upper  
59 100  
57 5.1 8.2 12.4#



#12  
1,1-Dichloroethene  
Concen: 11.599 ug/l  
RT: 4.353 min Scan# 408  
Delta R.T. 0.006 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

Tgt Ion: 96 Resp: 19101  
Ion Ratio Lower Upper  
96 100  
61 137.2 112.7 169.1  
98 53.1 51.2 76.8





#13

Acrolein

Concen: 46.689 ug/l

RT: 4.189 min Scan# 381

Delta R.T. -0.006 min

Lab File: VN078786.D

Acq: 07 Aug 2023 20:04

Instrument :

MSVOA\_N

ClientSampleId :

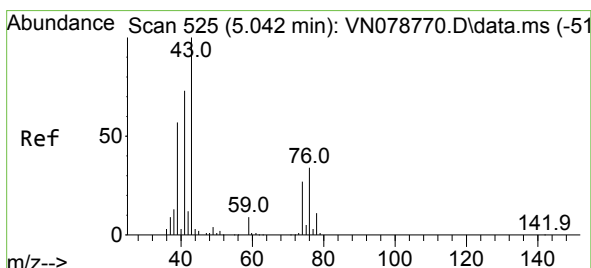
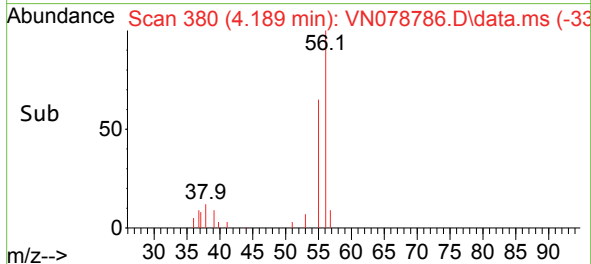
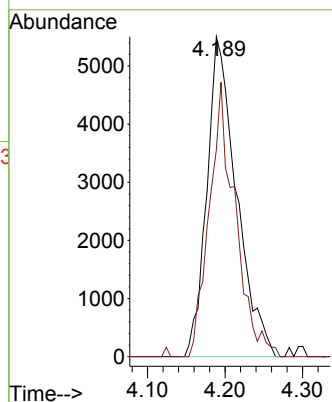
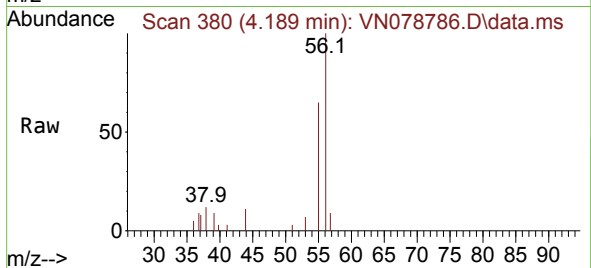
VSTDIC010

Tgt Ion: 56 Resp: 14646

Ion Ratio Lower Upper

56 100

55 74.9 54.5 81.7



#14

Allyl chloride

Concen: 9.932 ug/l

RT: 5.042 min Scan# 525

Delta R.T. -0.000 min

Lab File: VN078786.D

Acq: 07 Aug 2023 20:04

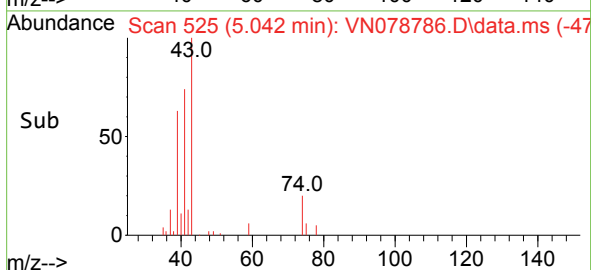
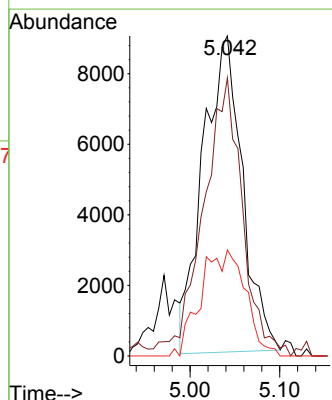
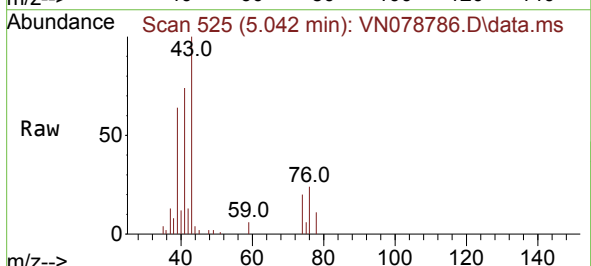
Tgt Ion: 41 Resp: 27235

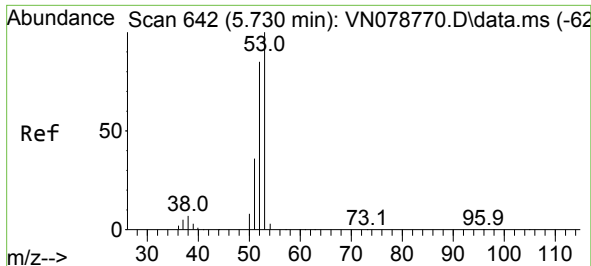
Ion Ratio Lower Upper

41 100

39 87.5 58.8 88.2

76 0.0 39.1 58.7#

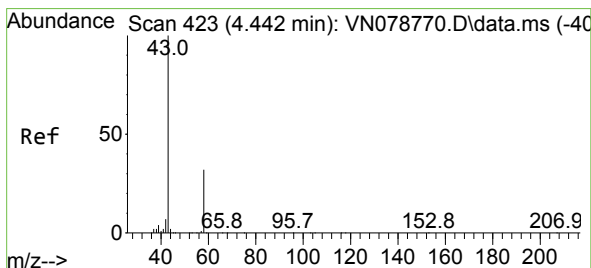
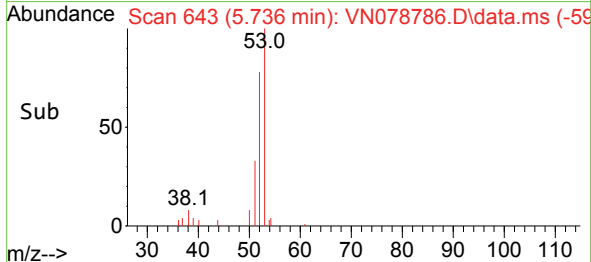
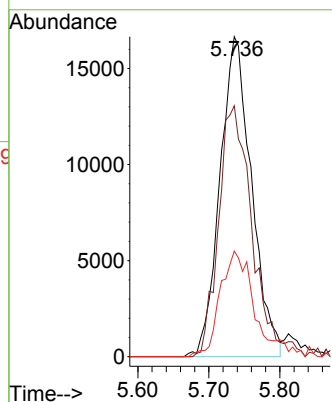
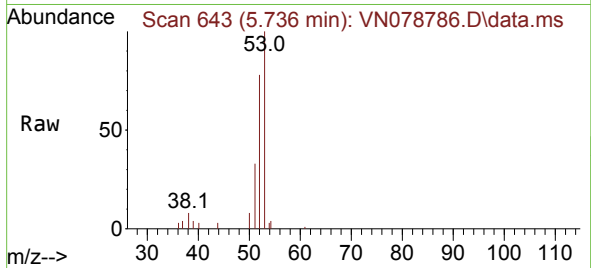




#15  
Acrylonitrile  
Concen: 53.215 ug/l  
RT: 5.736 min Scan# 642  
Delta R.T. 0.006 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

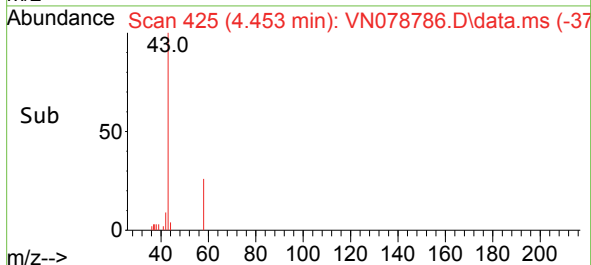
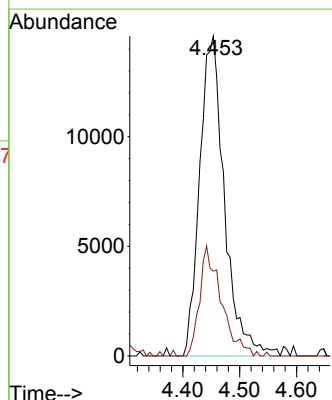
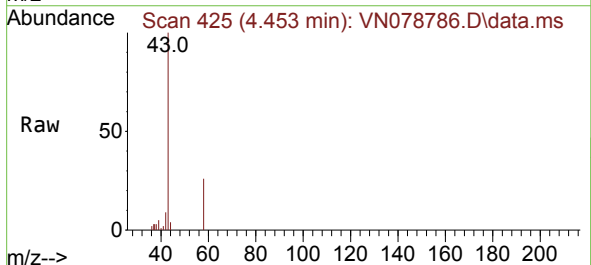
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC010

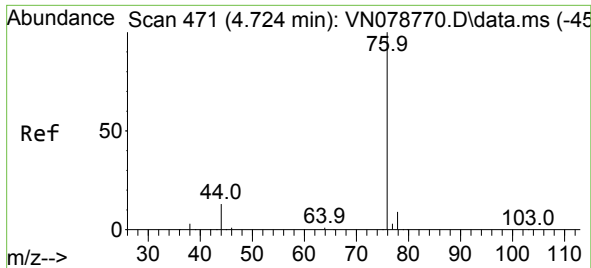
Tgt Ion: 53 Resp: 51380  
Ion Ratio Lower Upper  
53 100  
52 83.0 65.3 97.9  
51 36.0 28.9 43.3



#16  
Acetone  
Concen: 54.318 ug/l  
RT: 4.453 min Scan# 425  
Delta R.T. 0.011 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

Tgt Ion: 43 Resp: 44150  
Ion Ratio Lower Upper  
43 100  
58 26.5 28.0 42.0#

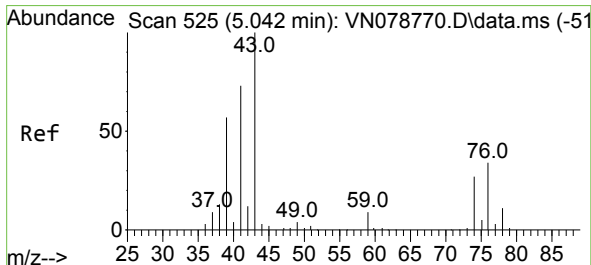
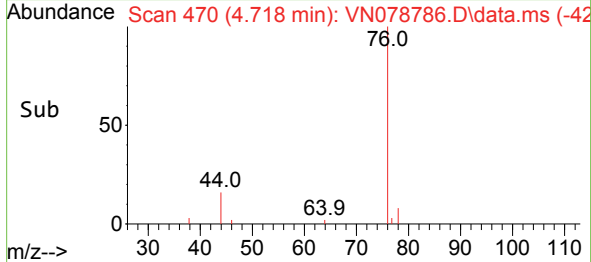
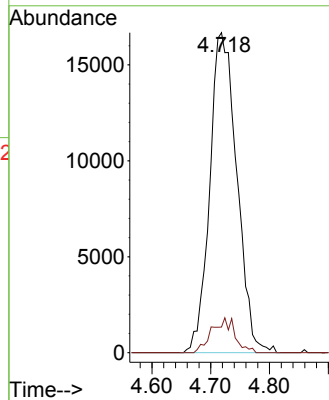
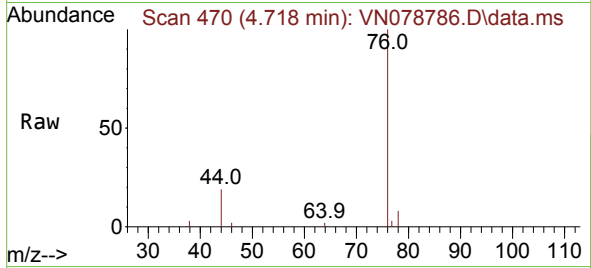




#17  
Carbon Disulfide  
Concen: 11.370 ug/l  
RT: 4.718 min Scan# 471  
Delta R.T. -0.006 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

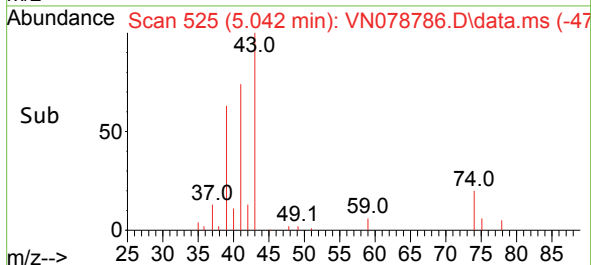
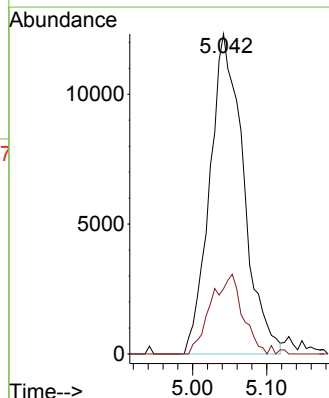
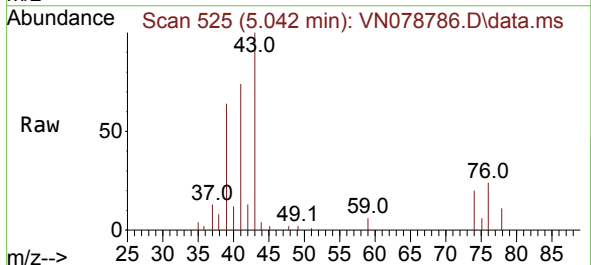
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC010

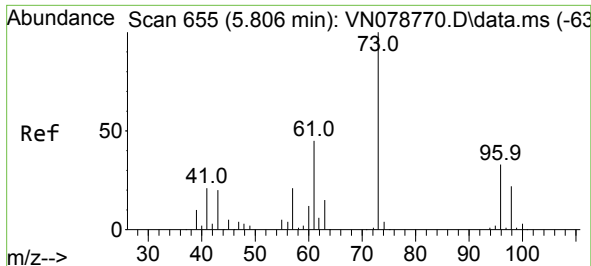
Tgt Ion: 76 Resp: 53414  
Ion Ratio Lower Upper  
76 100  
78 8.0 7.4 11.0



#18  
Methyl Acetate  
Concen: 10.639 ug/l  
RT: 5.042 min Scan# 525  
Delta R.T. -0.000 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

Tgt Ion: 43 Resp: 38838  
Ion Ratio Lower Upper  
43 100  
74 23.5 26.2 39.4#

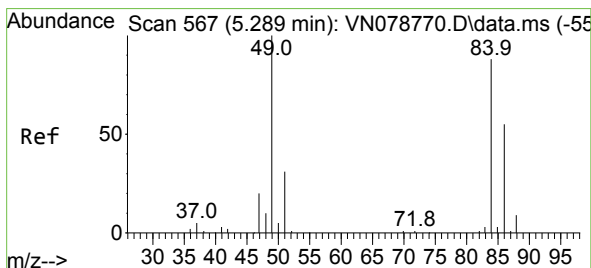
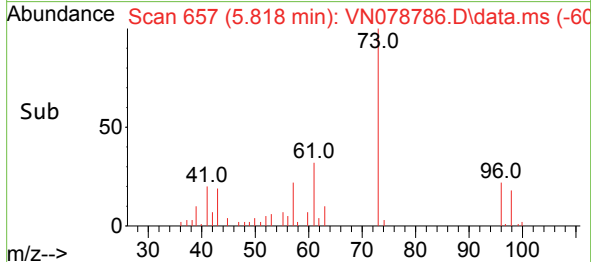
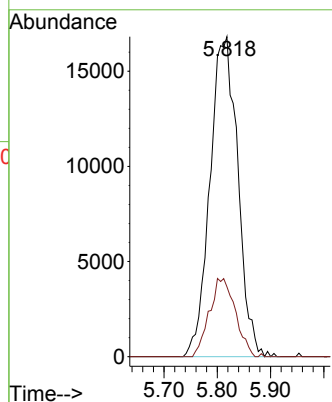
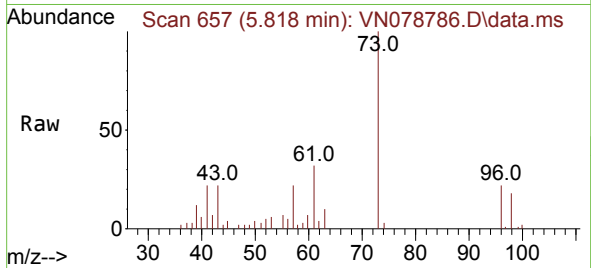




#19  
Methyl tert-butyl Ether  
Concen: 10.961 ug/l  
RT: 5.818 min Scan# 61  
Delta R.T. 0.012 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

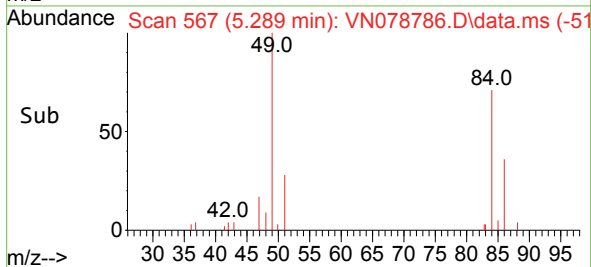
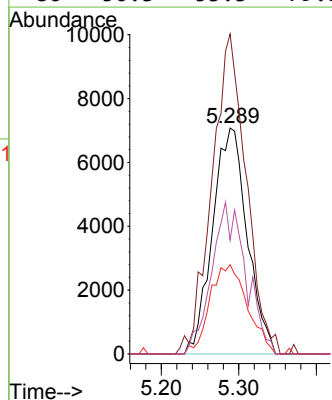
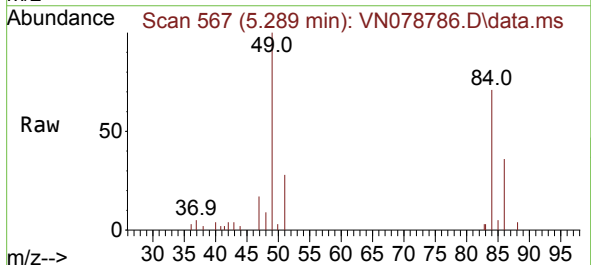
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MSVOA\_N  
ClientSampleId :  
VSTDIC010

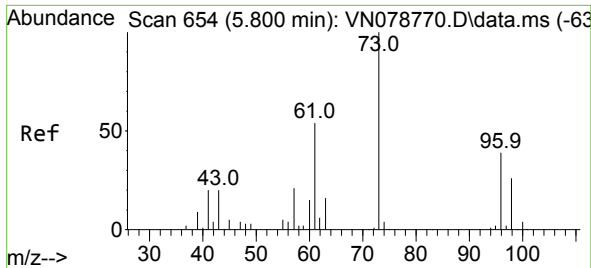
Tgt Ion: 73 Resp: 60978  
Ion Ratio Lower Upper  
73 100  
57 21.8 15.6 23.4



#20  
Methylene Chloride  
Concen: 10.960 ug/l  
RT: 5.289 min Scan# 567  
Delta R.T. -0.000 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

Tgt Ion: 84 Resp: 22062  
Ion Ratio Lower Upper  
84 100  
49 141.7 79.7 119.5#  
51 39.5 25.2 37.8#  
86 50.3 53.3 79.9#

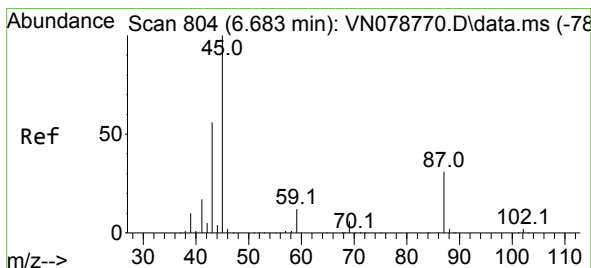
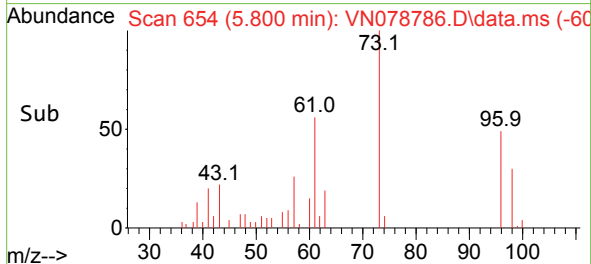
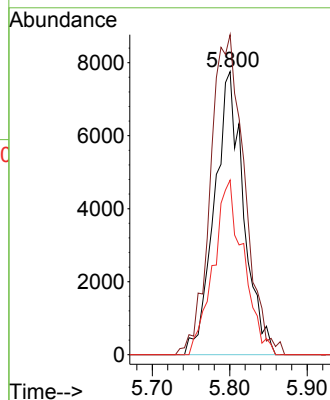
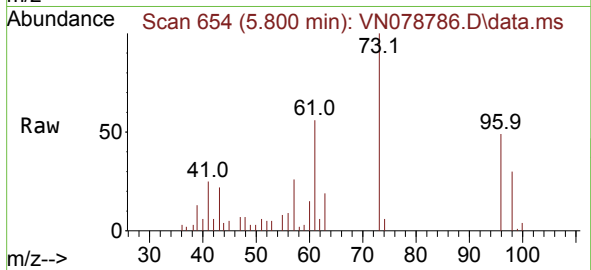




#21  
trans-1,2-Dichloroethene  
Concen: 11.029 ug/l  
RT: 5.800 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

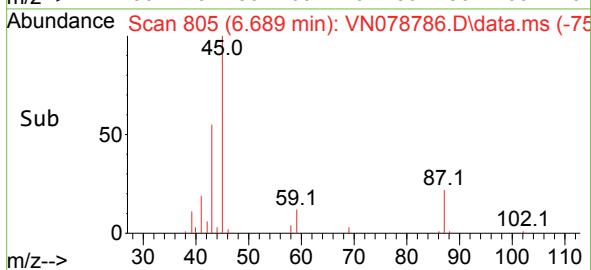
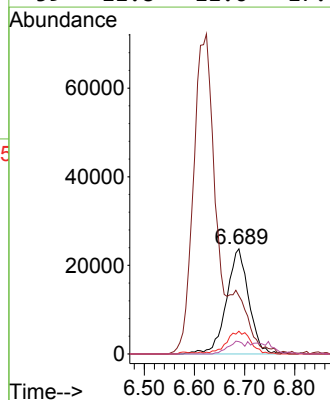
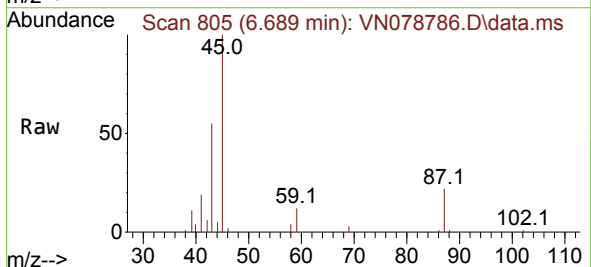
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC010

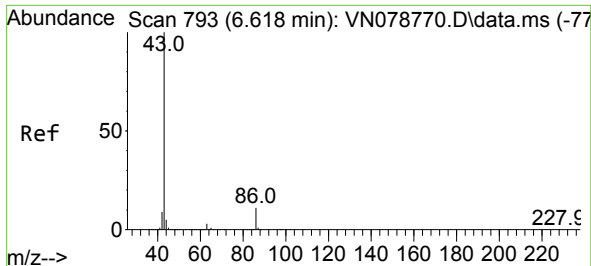
Tgt Ion: 96 Resp: 20326  
Ion Ratio Lower Upper  
96 100  
61 110.9 90.1 135.1  
98 61.6 46.4 69.6



#22  
Diisopropyl ether  
Concen: 11.070 ug/l  
RT: 6.689 min Scan# 805  
Delta R.T. 0.006 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

Tgt Ion: 45 Resp: 72929  
Ion Ratio Lower Upper  
45 100  
43 53.8 45.5 68.3  
87 21.7 31.8 47.8#  
59 11.8 11.6 17.4

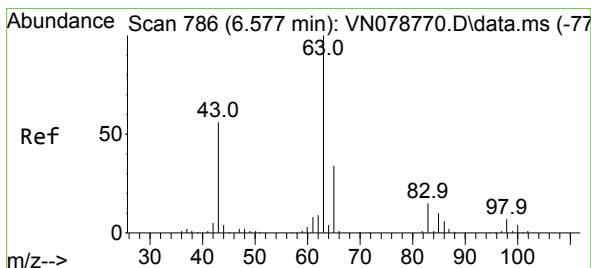
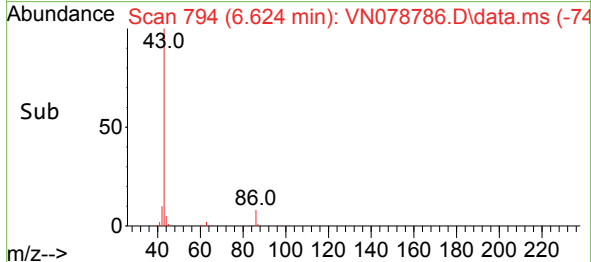
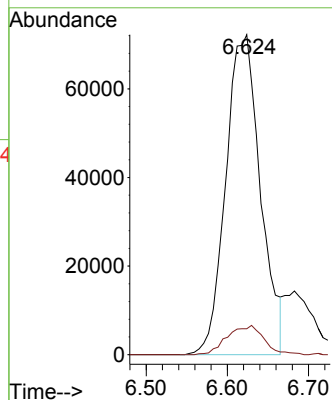
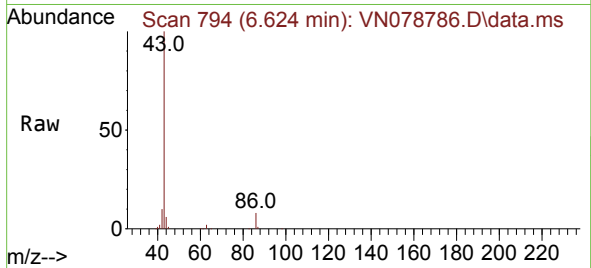




#23  
 Vinyl Acetate  
 Concen: 51.744 ug/l  
 RT: 6.624 min Scan# 794  
 Delta R.T. 0.006 min  
 Lab File: VN078786.D  
 Acq: 07 Aug 2023 20:04

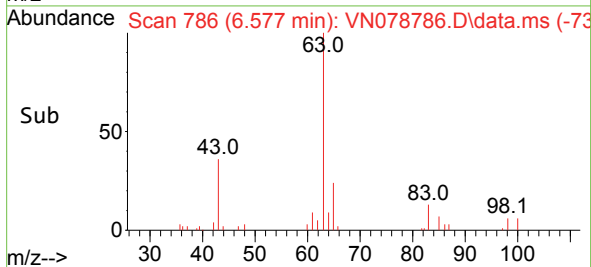
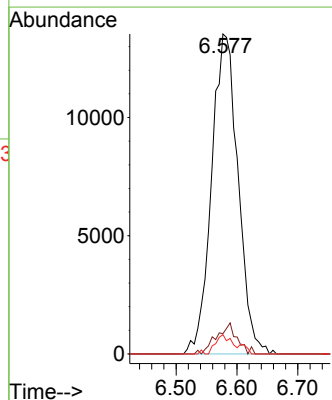
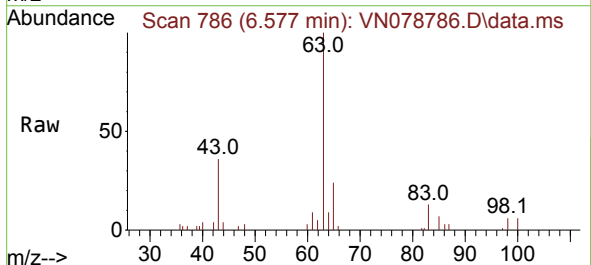
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 ClientSampleId :  
 VSTDIC010

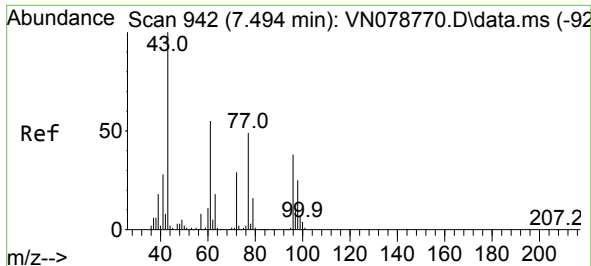
Tgt Ion: 43 Resp: 213911  
 Ion Ratio Lower Upper  
 43 100  
 86 8.1 13.0 19.6#



#24  
 1,1-Dichloroethane  
 Concen: 11.419 ug/l  
 RT: 6.577 min Scan# 786  
 Delta R.T. -0.000 min  
 Lab File: VN078786.D  
 Acq: 07 Aug 2023 20:04

Tgt Ion: 63 Resp: 40905  
 Ion Ratio Lower Upper  
 63 100  
 98 6.3 3.9 11.7  
 100 6.0 2.5 7.4

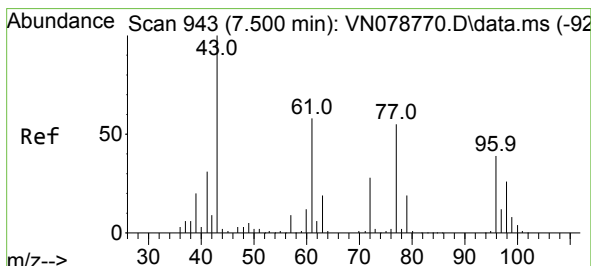
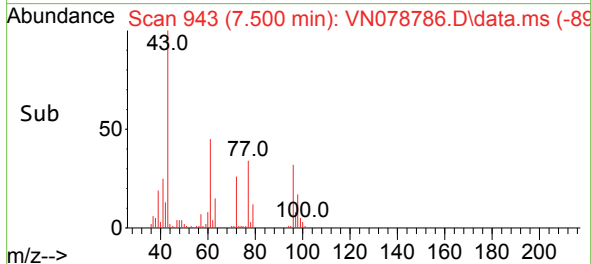
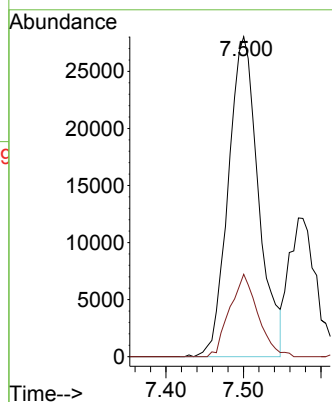
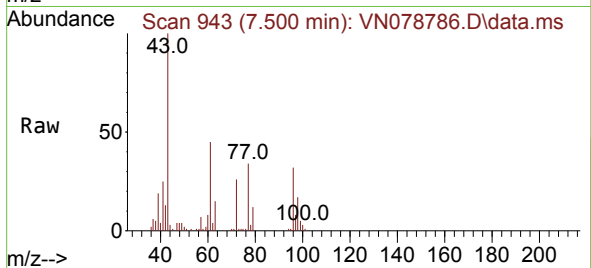




#25  
2-Butanone  
Concen: 55.261 ug/l  
RT: 7.500 min Scan# 943  
Delta R.T. 0.006 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

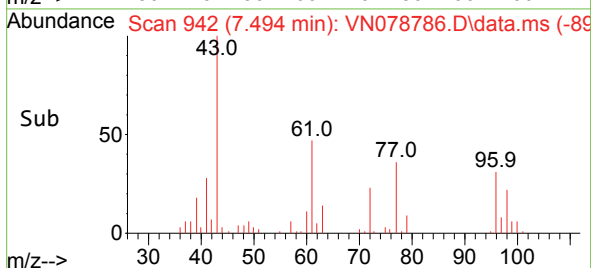
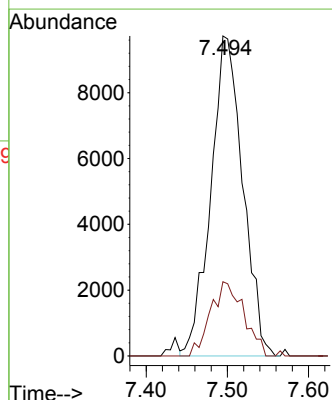
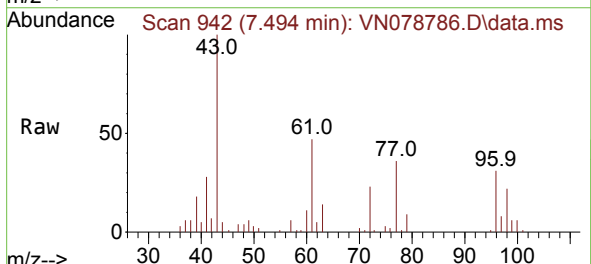
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC010

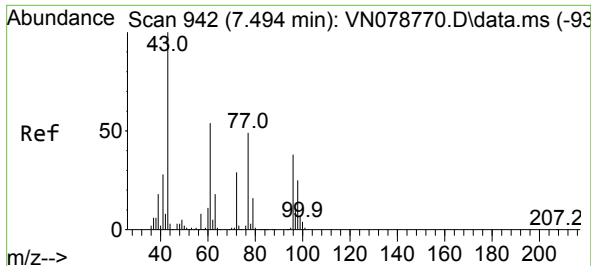
Tgt Ion: 43 Resp: 76060  
Ion Ratio Lower Upper  
43 100  
72 25.8 30.2 45.2#



#26  
2,2-Dichloropropane  
Concen: 10.651 ug/l  
RT: 7.494 min Scan# 942  
Delta R.T. -0.006 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

Tgt Ion: 77 Resp: 26644  
Ion Ratio Lower Upper  
77 100  
97 24.0 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 11.355 ug/l

RT: 7.500 min Scan# 94

Delta R.T. 0.006 min

Lab File: VN078786.D

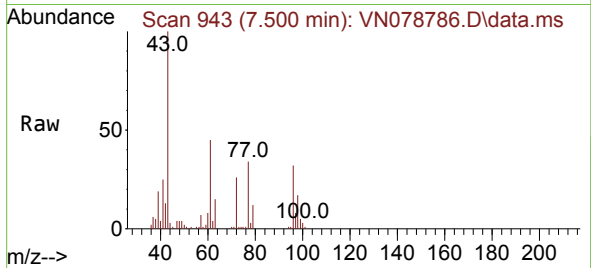
Acq: 07 Aug 2023 20:04

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC010



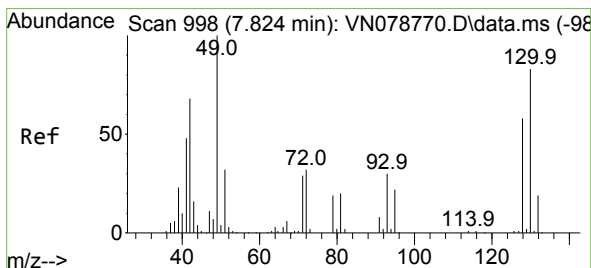
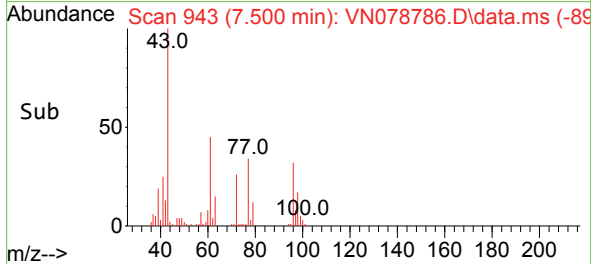
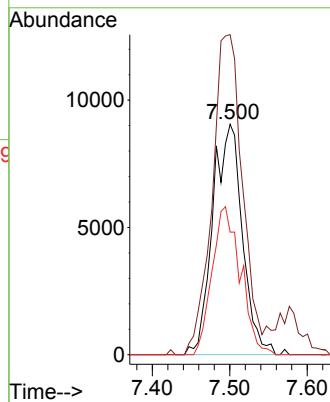
Tgt Ion: 96 Resp: 24025

Ion Ratio Lower Upper

96 100

61 144.8 0.0 255.2

98 61.9 0.0 128.8



#28

Bromochloromethane

Concen: 11.508 ug/l

RT: 7.818 min Scan# 997

Delta R.T. -0.006 min

Lab File: VN078786.D

Acq: 07 Aug 2023 20:04

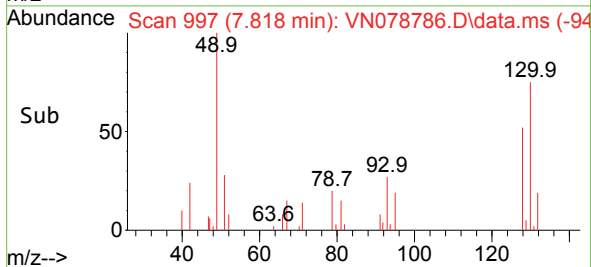
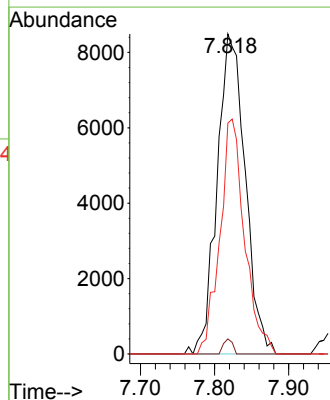
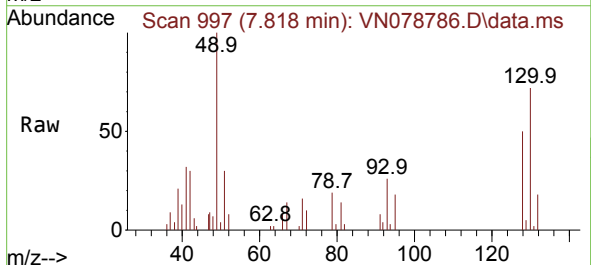
Tgt Ion: 49 Resp: 22338

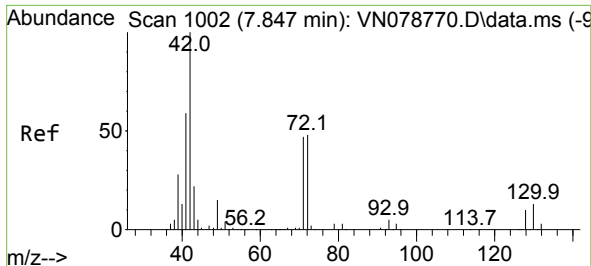
Ion Ratio Lower Upper

49 100

129 1.5 0.0 4.8

130 64.7 75.3 112.9





#29

Tetrahydrofuran

Concen: 54.571 ug/l

RT: 7.853 min Scan# 1003

Delta R.T. 0.006 min

Lab File: VN078786.D

Acq: 07 Aug 2023 20:04

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC010

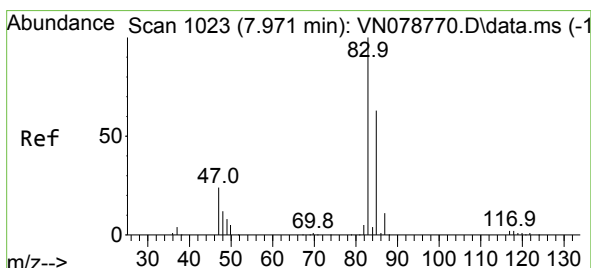
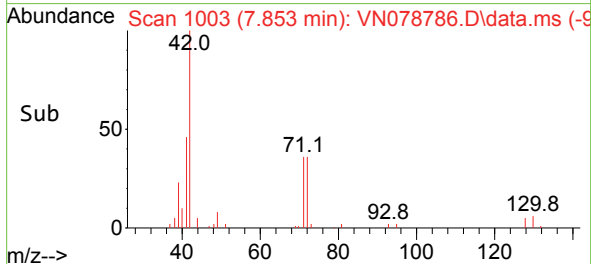
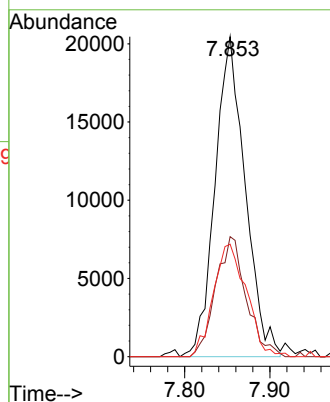
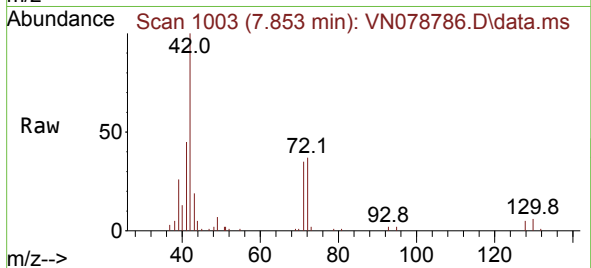
Tgt Ion: 42 Resp: 50263

Ion Ratio Lower Upper

42 100

72 38.1 49.8 74.6#

71 38.6 47.4 71.2#



#30

Chloroform

Concen: 11.131 ug/l

RT: 7.977 min Scan# 1024

Delta R.T. 0.006 min

Lab File: VN078786.D

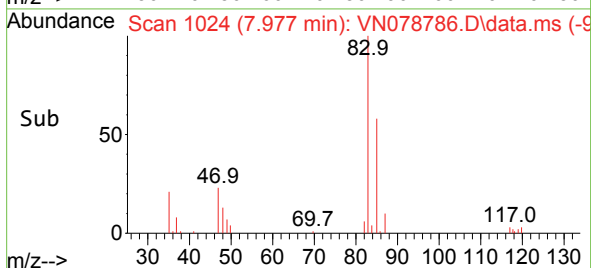
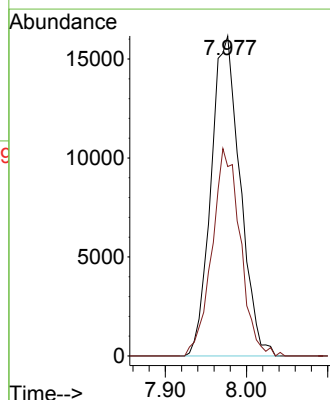
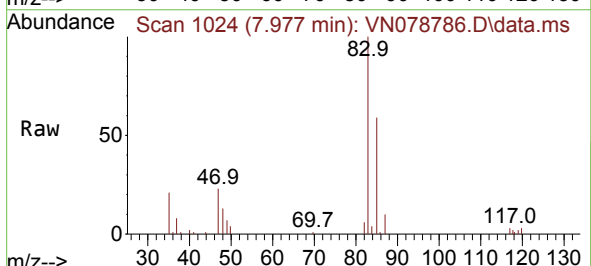
Acq: 07 Aug 2023 20:04

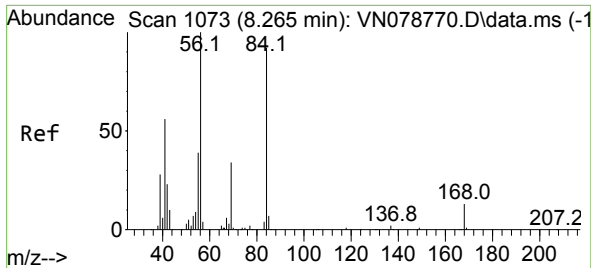
Tgt Ion: 83 Resp: 40158

Ion Ratio Lower Upper

83 100

85 59.2 55.4 83.0

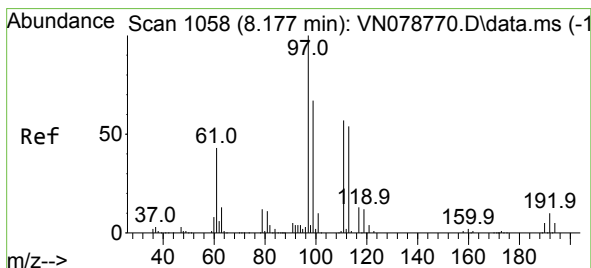
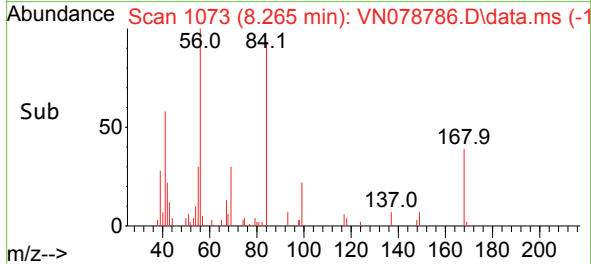
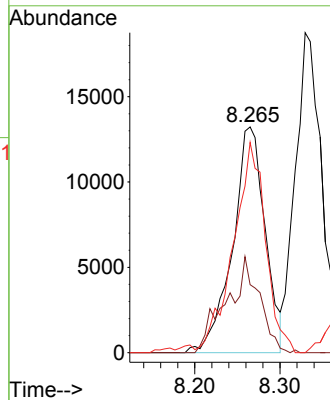
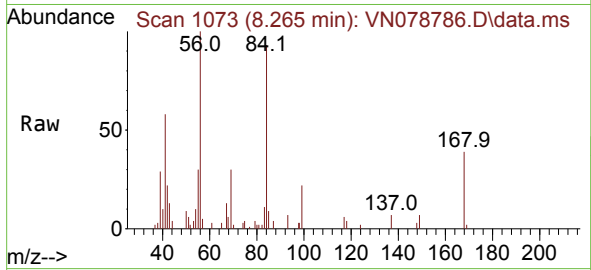




#31  
Cyclohexane  
Concen: 11.307 ug/l  
RT: 8.265 min Scan# 1073  
Delta R.T. -0.000 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

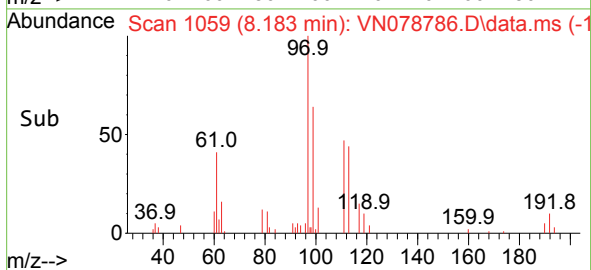
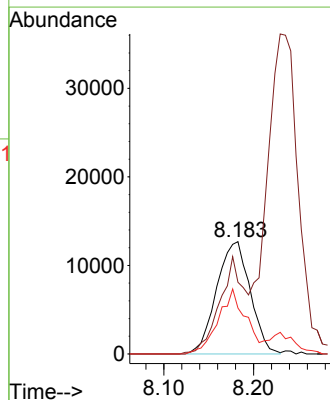
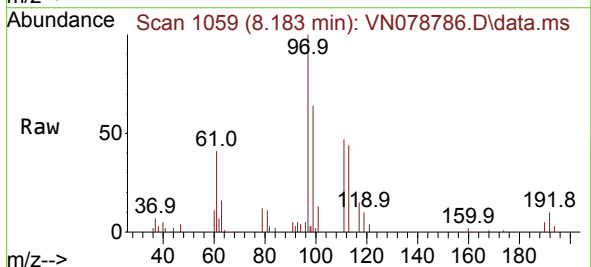
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC010

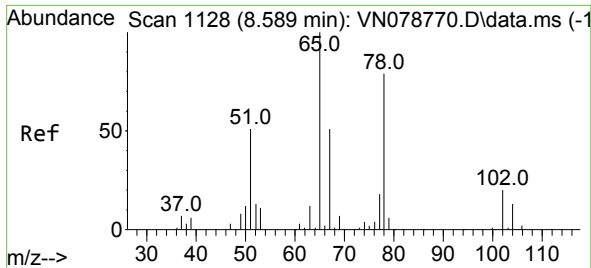
Tgt Ion: 56 Resp: 35097  
Ion Ratio Lower Upper  
56 100  
69 30.2 26.8 40.2  
84 91.2 81.8 122.6



#32  
1,1,1-Trichloroethane  
Concen: 10.758 ug/l  
RT: 8.183 min Scan# 1059  
Delta R.T. 0.006 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

Tgt Ion: 97 Resp: 32992  
Ion Ratio Lower Upper  
97 100  
99 63.6 50.3 75.5  
61 48.5 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 9.716 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VN078786.D

Acq: 07 Aug 2023 20:04

Instrument :

MSVOA\_N

ClientSampleId :

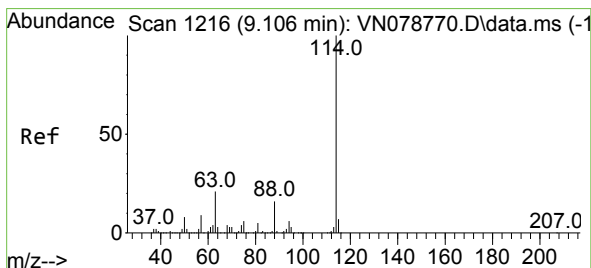
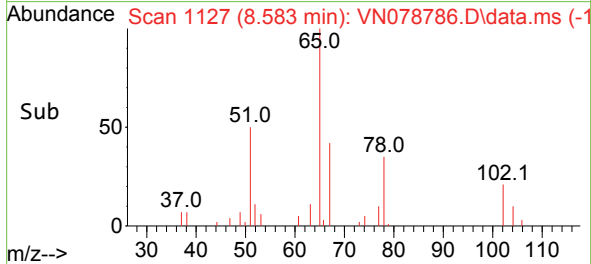
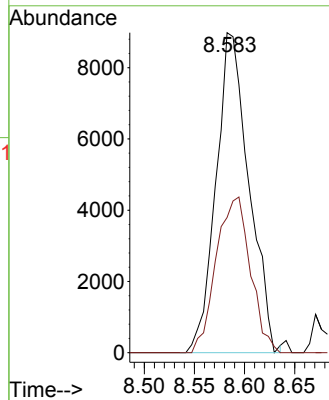
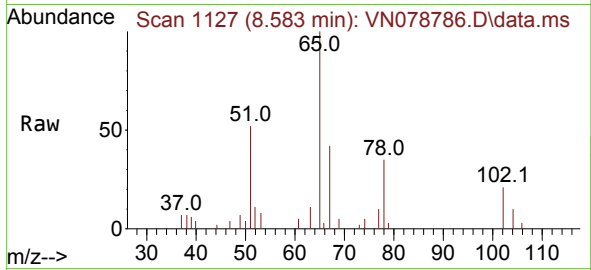
VSTDIC010

Tgt Ion: 65 Resp: 20525

Ion Ratio Lower Upper

65 100

67 50.4 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VN078786.D

Acq: 07 Aug 2023 20:04

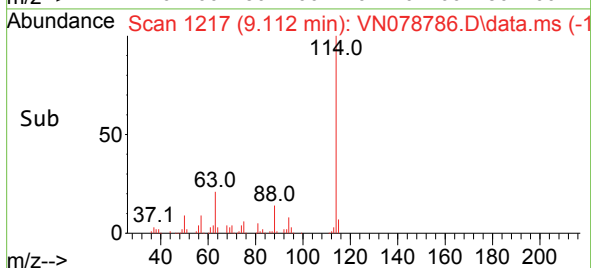
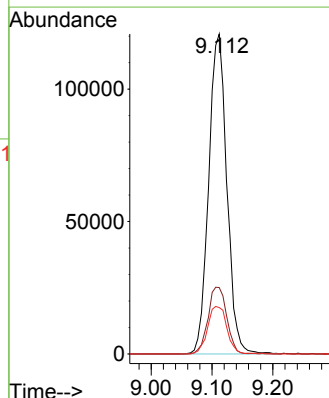
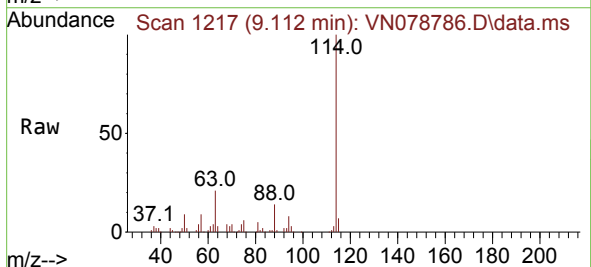
Tgt Ion: 114 Resp: 250358

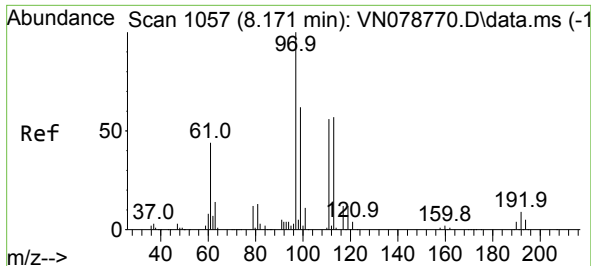
Ion Ratio Lower Upper

114 100

63 20.7 0.0 36.4

88 14.5 0.0 30.6

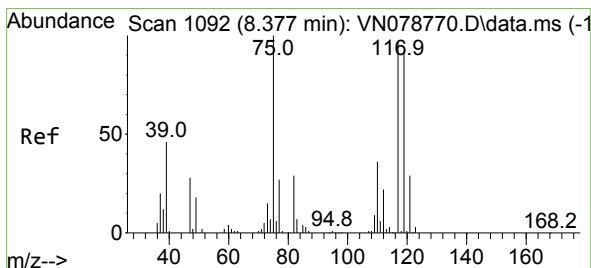
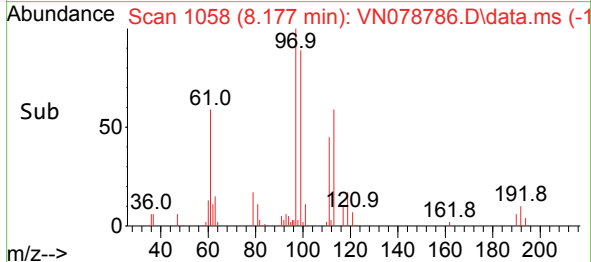
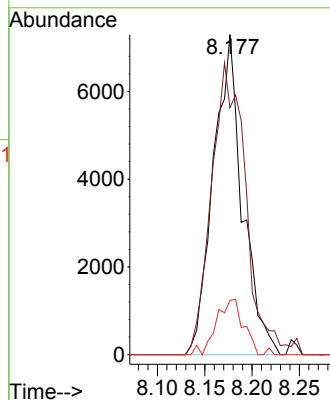
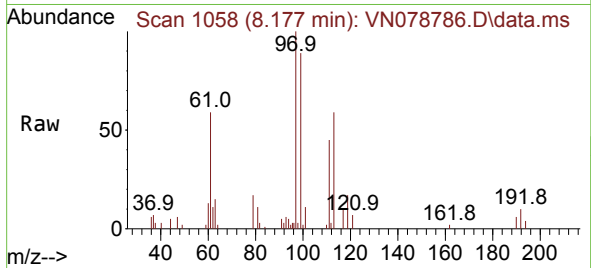




#35  
Dibromofluoromethane  
Concen: 9.246 ug/l  
RT: 8.177 min Scan# 1057  
Delta R.T. 0.006 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

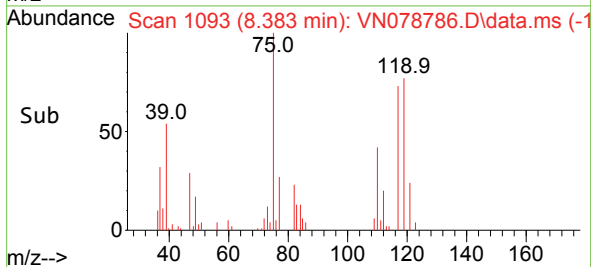
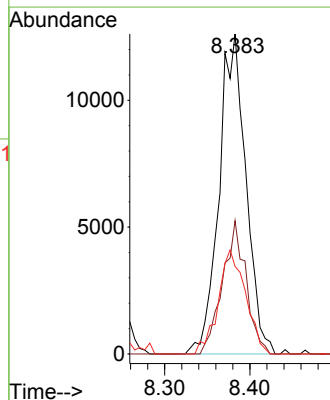
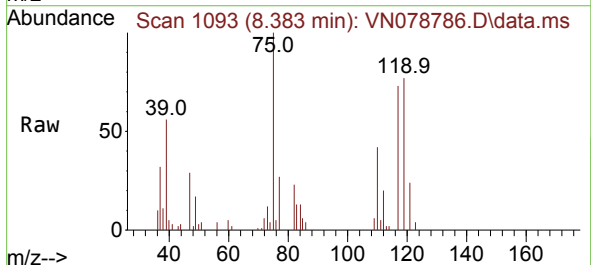
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC010

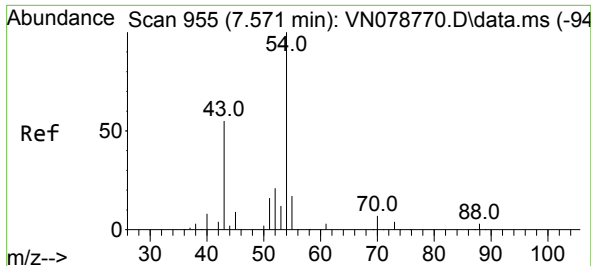
Tgt Ion: 113 Resp: 15633  
Ion Ratio Lower Upper  
113 100  
111 107.1 82.6 123.8  
192 16.0 12.7 19.1



#36  
1,1-Dichloropropene  
Concen: 10.546 ug/l  
RT: 8.383 min Scan# 1093  
Delta R.T. 0.006 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

Tgt Ion: 75 Resp: 27663  
Ion Ratio Lower Upper  
75 100  
110 36.4 19.1 57.3  
77 33.1 25.0 37.4

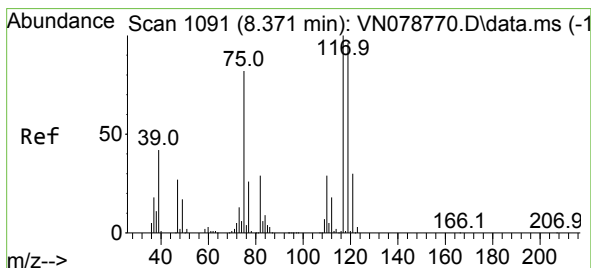
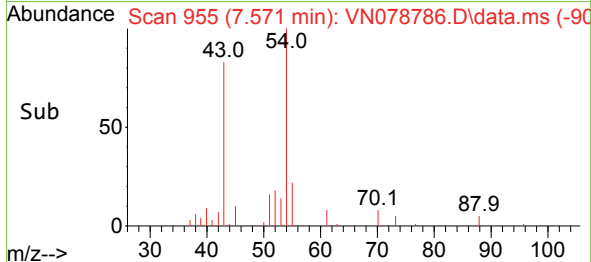
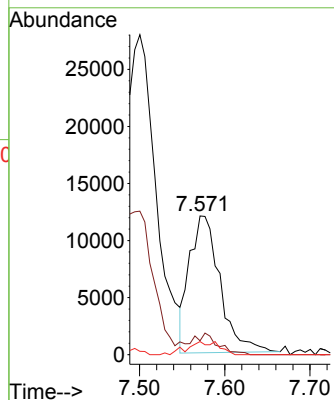
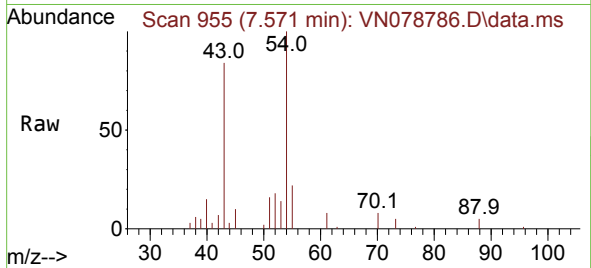




#37  
Ethyl Acetate  
Concen: 10.724 ug/l  
RT: 7.571 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

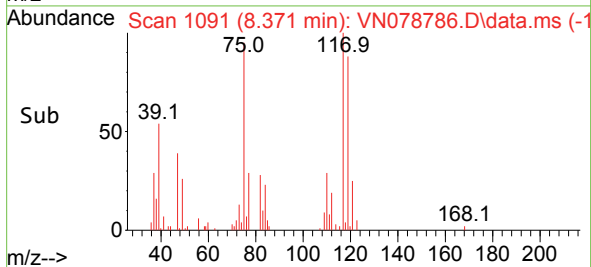
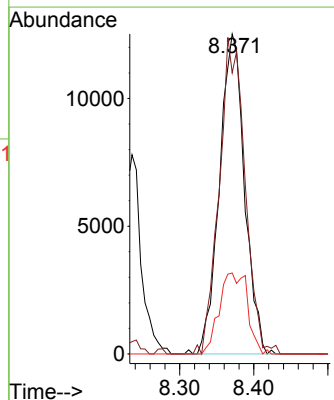
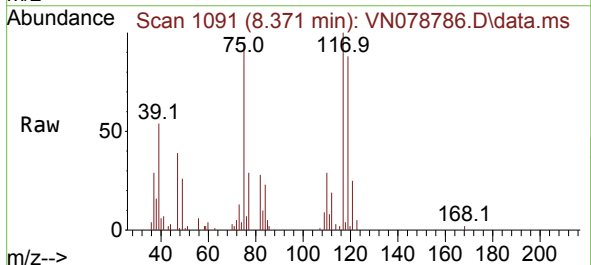
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC010

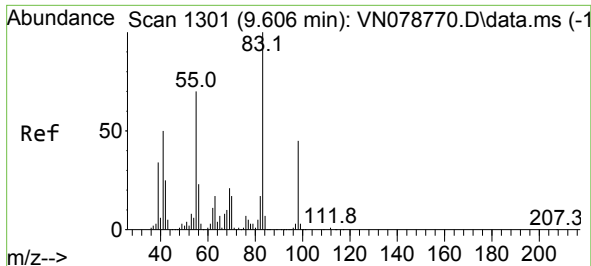
Tgt Ion: 43 Resp: 29906  
Ion Ratio Lower Upper  
43 100  
61 12.6 13.2 19.8#  
70 9.8 11.3 16.9#



#38  
Carbon Tetrachloride  
Concen: 10.878 ug/l  
RT: 8.371 min Scan# 1091  
Delta R.T. -0.000 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

Tgt Ion: 117 Resp: 29415  
Ion Ratio Lower Upper  
117 100  
119 87.8 77.3 115.9  
121 25.3 23.3 34.9

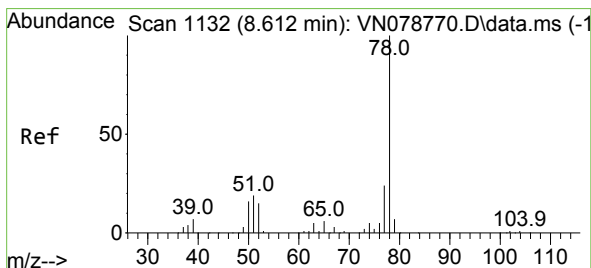
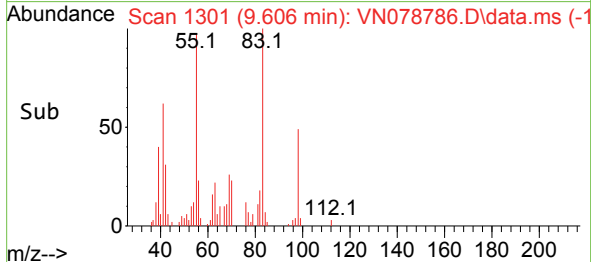
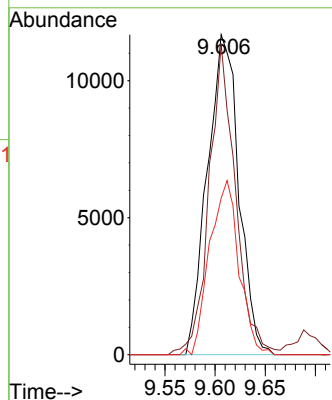
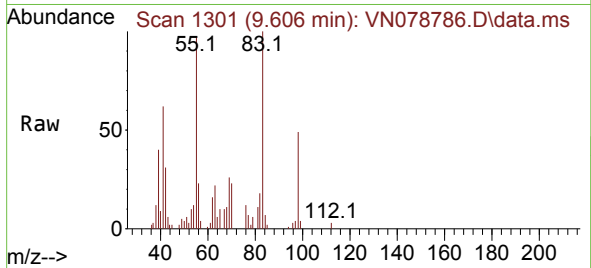




#39  
Methylcyclohexane  
Concen: 10.403 ug/l  
RT: 9.606 min Scan# 1130  
Delta R.T. -0.000 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

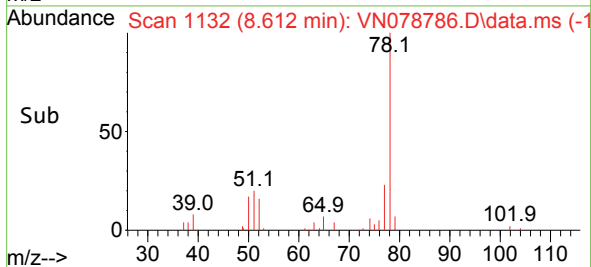
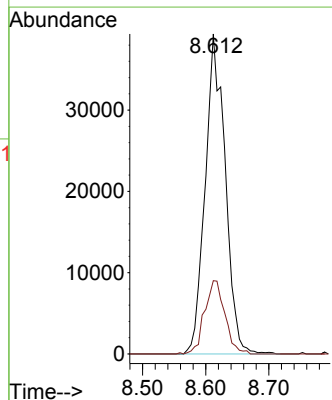
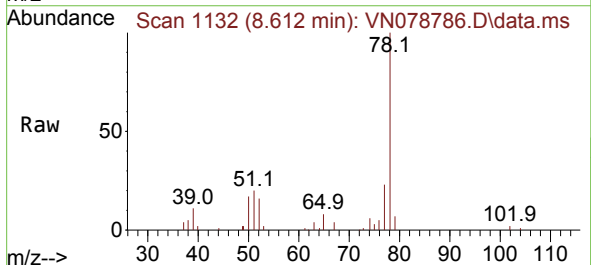
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC010

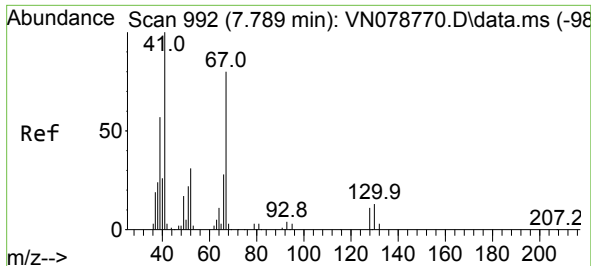
Tgt Ion: 83 Resp: 25487  
Ion Ratio Lower Upper  
83 100  
55 95.8 49.1 73.7#  
98 48.9 40.6 61.0



#40  
Benzene  
Concen: 10.942 ug/l  
RT: 8.612 min Scan# 1132  
Delta R.T. -0.000 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

Tgt Ion: 78 Resp: 86806  
Ion Ratio Lower Upper  
78 100  
77 22.9 19.0 28.6

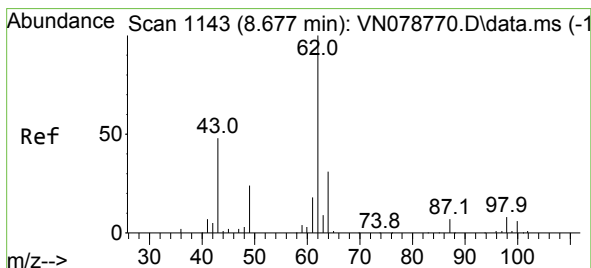
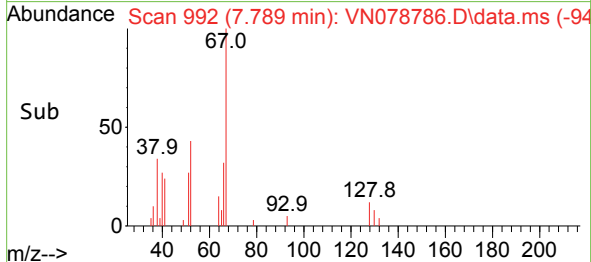
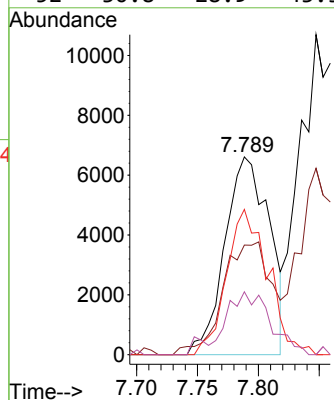
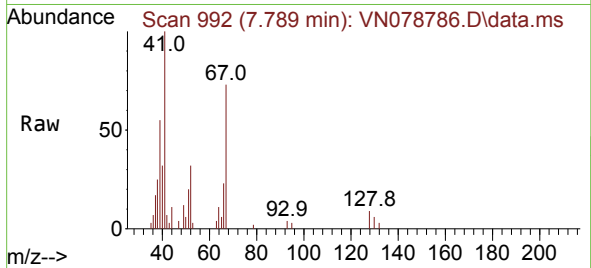




#41  
Methacrylonitrile  
Concen: 10.840 ug/l  
RT: 7.789 min Scan# 992  
Delta R.T. -0.000 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

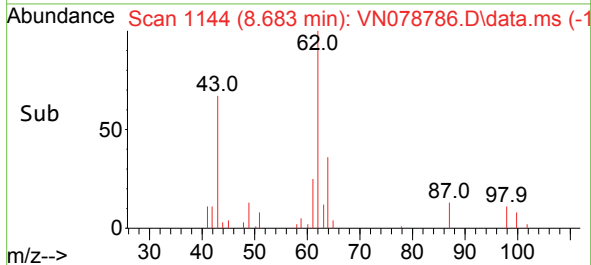
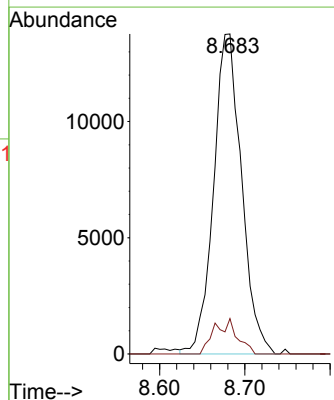
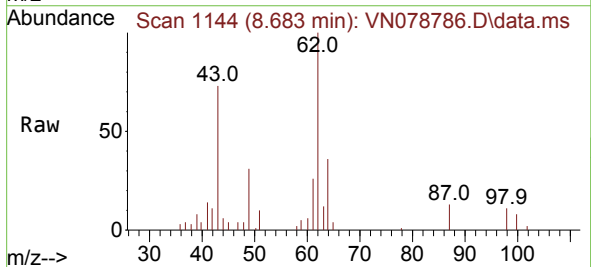
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC010

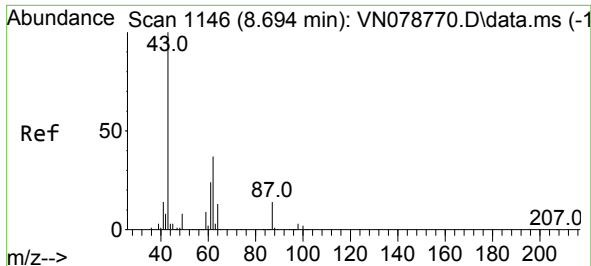
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 16809 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 61.9  | 42.6  | 64.0  |
| 67       | 68.4  | 77.5  | 116.3 |
| 52       | 30.8  | 28.9  | 43.3  |



#42  
1,2-Dichloroethane  
Concen: 11.026 ug/l  
RT: 8.683 min Scan# 1144  
Delta R.T. 0.006 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 31441 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 4.9   | 0.0   | 19.8  |

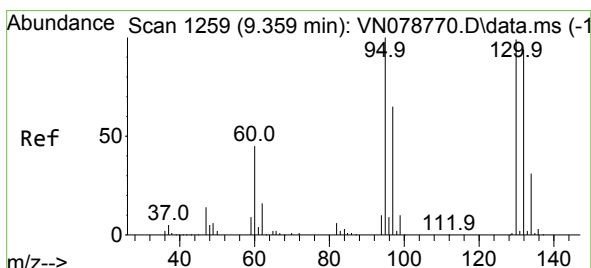
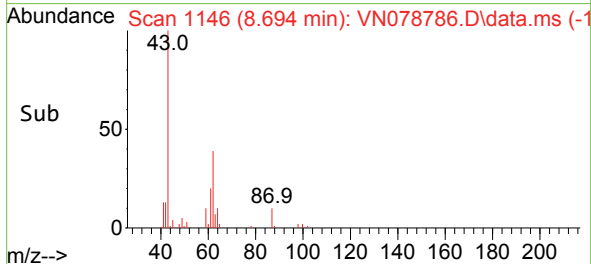
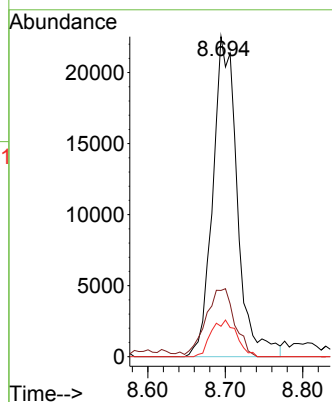
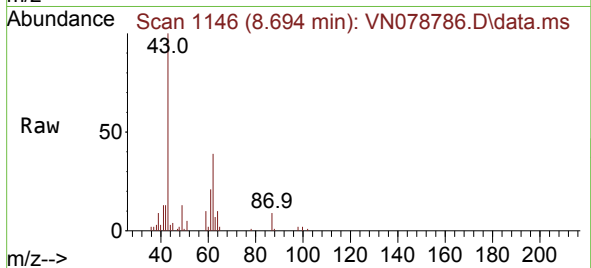




#43  
Isopropyl Acetate  
Concen: 10.492 ug/l  
RT: 8.694 min Scan# 1146  
Delta R.T. -0.000 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

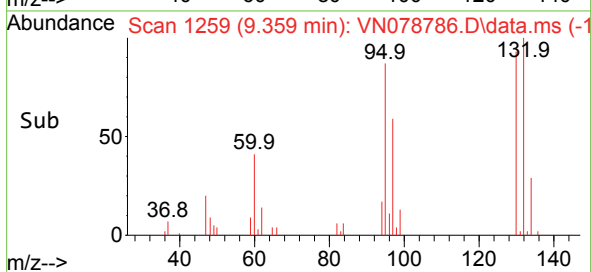
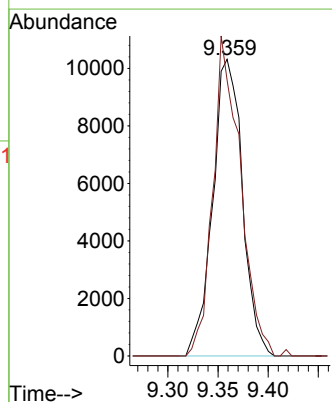
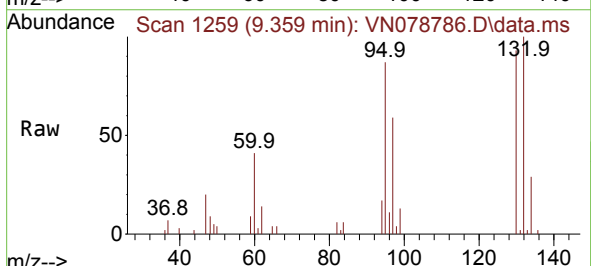
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC010

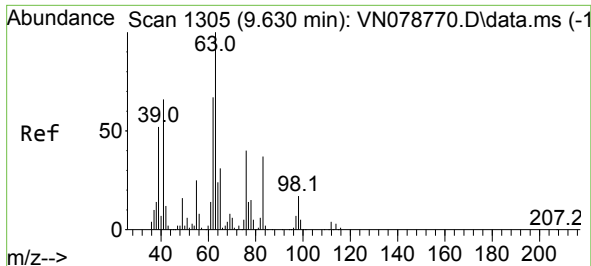
Tgt Ion: 43 Resp: 49332  
Ion Ratio Lower Upper  
43 100  
61 25.3 24.7 37.1  
87 12.1 14.6 21.8#



#44  
Trichloroethene  
Concen: 10.913 ug/l  
RT: 9.359 min Scan# 1259  
Delta R.T. -0.000 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

Tgt Ion:130 Resp: 21204  
Ion Ratio Lower Upper  
130 100  
95 93.0 0.0 204.6





#45

1,2-Dichloropropane

Concen: 11.177 ug/l

RT: 9.630 min Scan# 1305

Delta R.T. -0.000 min

Lab File: VN078786.D

Acq: 07 Aug 2023 20:04

Instrument :

MSVOA\_N

ClientSampleId :

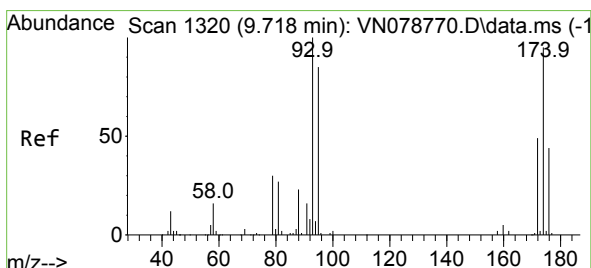
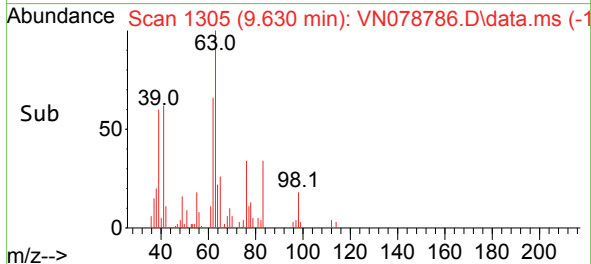
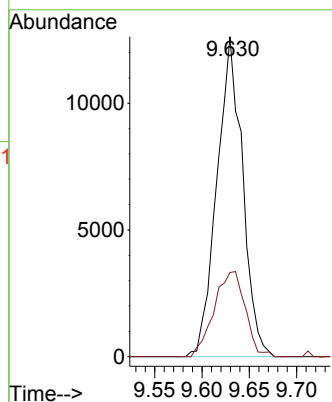
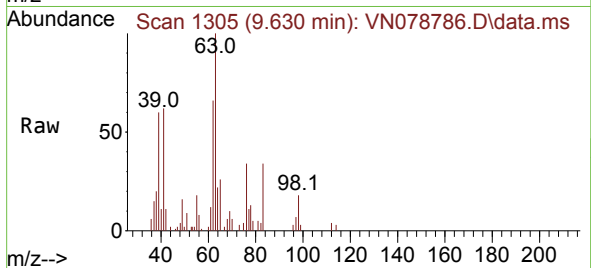
VSTDIC010

Tgt Ion: 63 Resp: 23770

Ion Ratio Lower Upper

63 100

65 26.3 23.9 35.9



#46

Dibromomethane

Concen: 10.587 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. -0.006 min

Lab File: VN078786.D

Acq: 07 Aug 2023 20:04

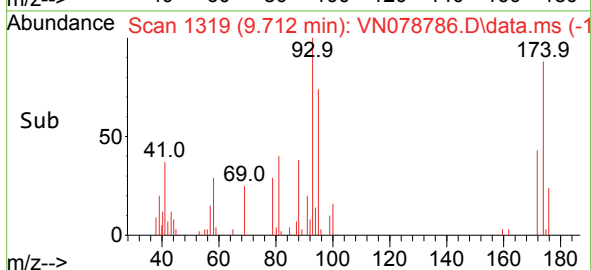
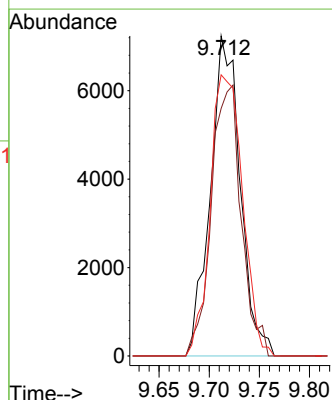
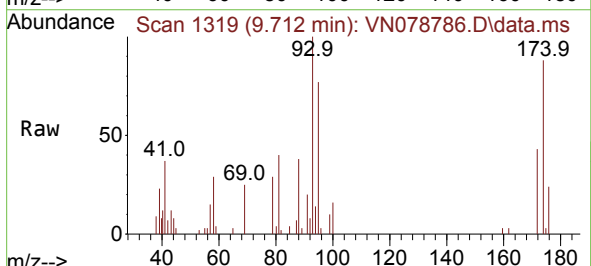
Tgt Ion: 93 Resp: 14986

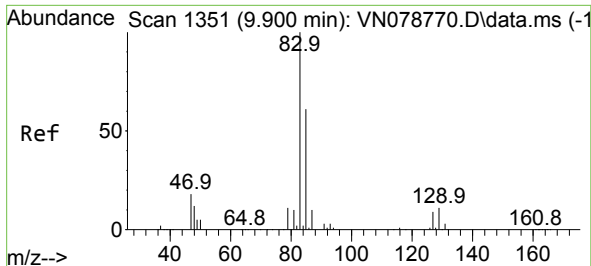
Ion Ratio Lower Upper

93 100

95 84.6 63.8 95.8

174 94.7 65.6 98.4

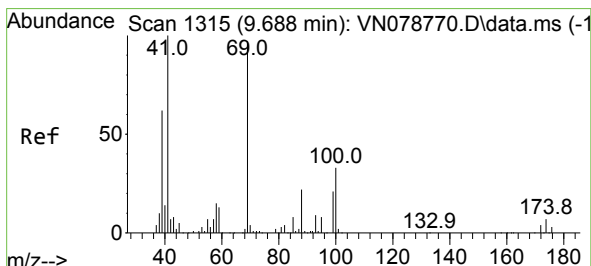
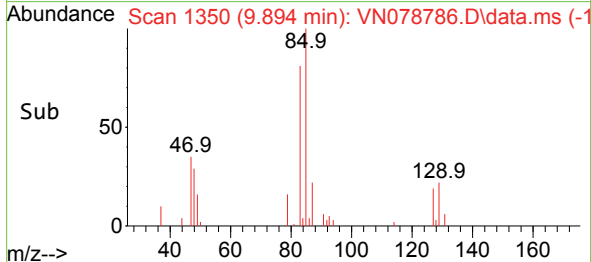
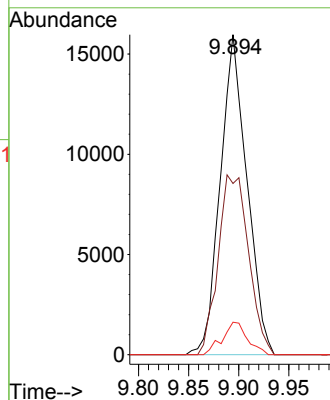
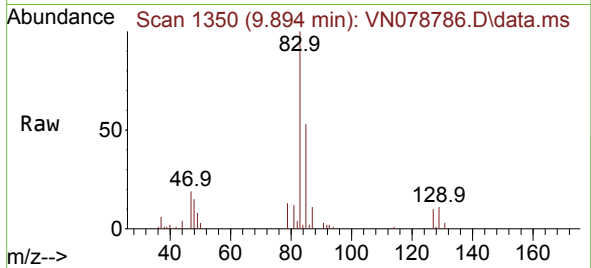




#47  
Bromodichloromethane  
Concen: 10.482 ug/l  
RT: 9.894 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

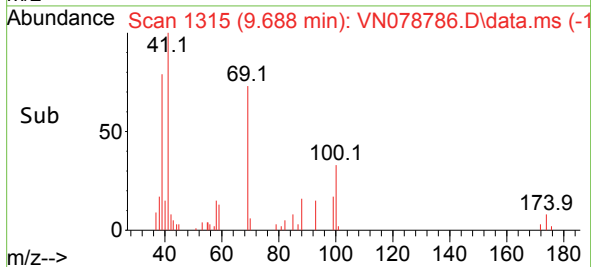
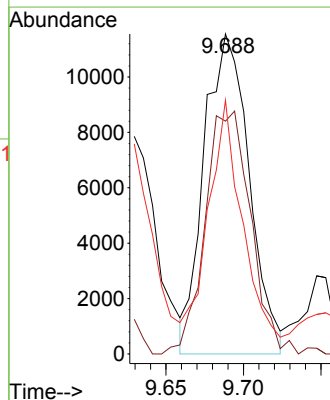
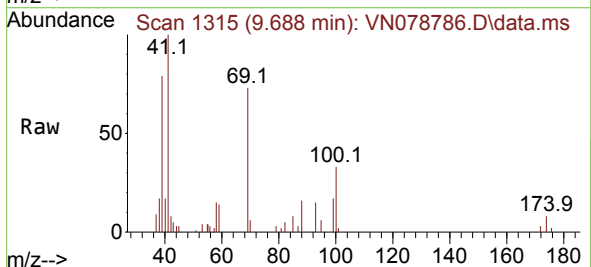
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC010

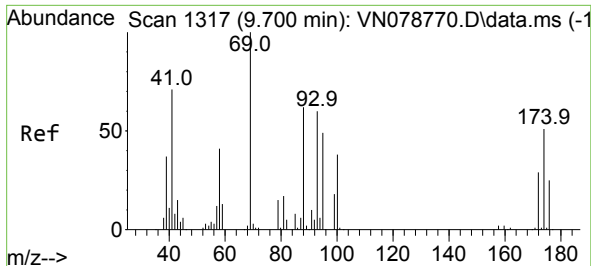
Tgt Ion: 83 Resp: 29531  
Ion Ratio Lower Upper  
83 100  
85 53.5 49.6 74.4  
127 10.2 7.0 10.6



#48  
Methyl methacrylate  
Concen: 10.744 ug/l  
RT: 9.688 min Scan# 1315  
Delta R.T. -0.000 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

Tgt Ion: 41 Resp: 23342  
Ion Ratio Lower Upper  
41 100  
69 77.4 90.4 135.6#  
39 62.7 54.6 81.8





#49

1,4-Dioxane

Concen: 221.609 ug/l

RT: 9.706 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN078786.D

Acq: 07 Aug 2023 20:04

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC010

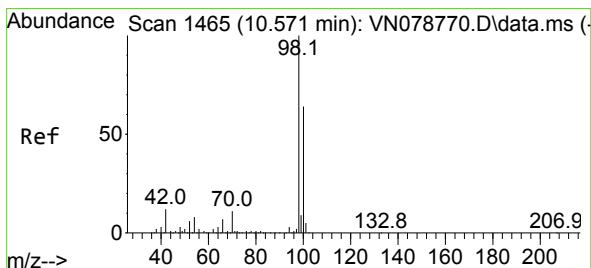
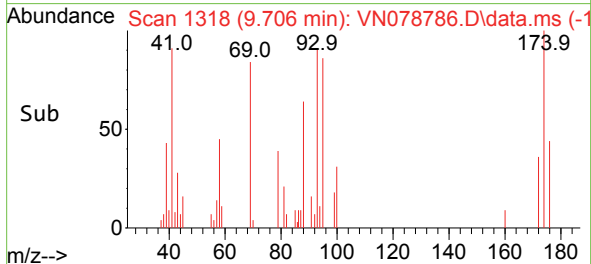
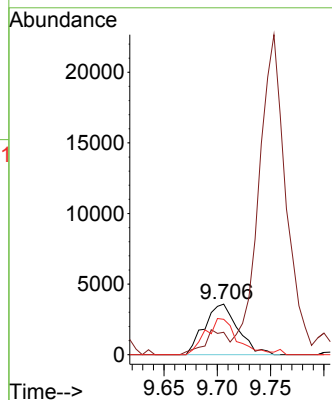
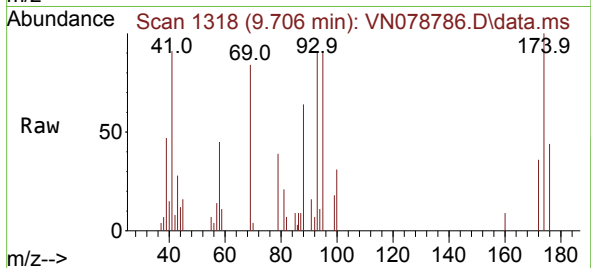
Tgt Ion: 88 Resp: 7818

Ion Ratio Lower Upper

88 100

43 33.6 17.0 25.6#

58 69.2 47.0 70.4



#50

Toluene-d8

Concen: 8.909 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN078786.D

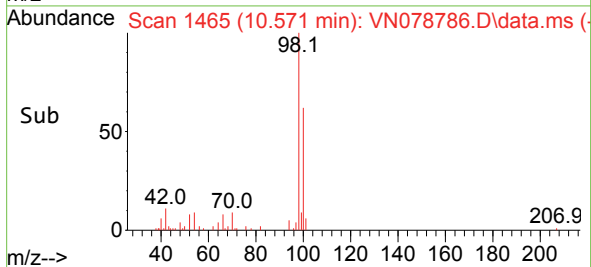
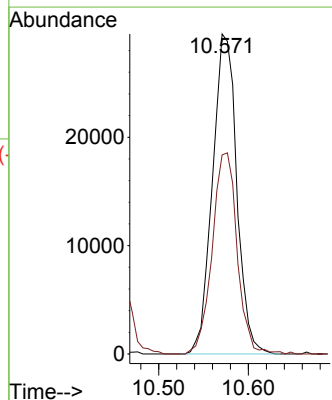
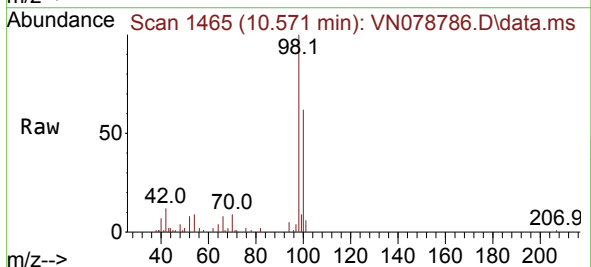
Acq: 07 Aug 2023 20:04

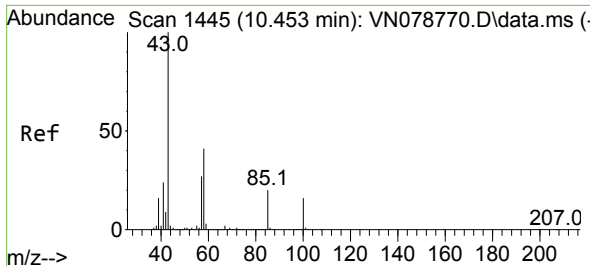
Tgt Ion: 98 Resp: 55432

Ion Ratio Lower Upper

98 100

100 64.6 52.0 78.0

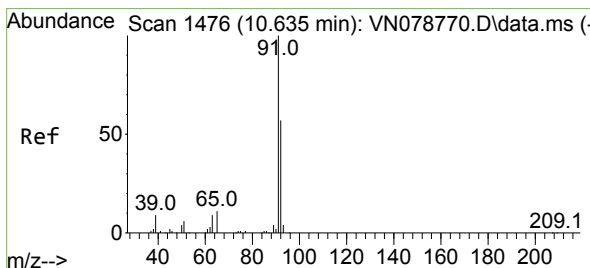
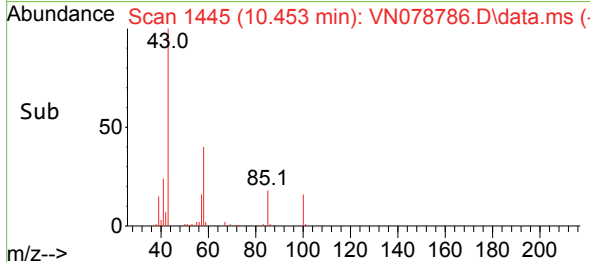
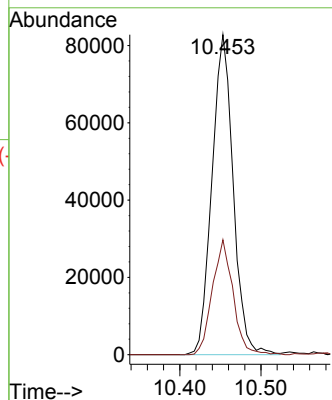
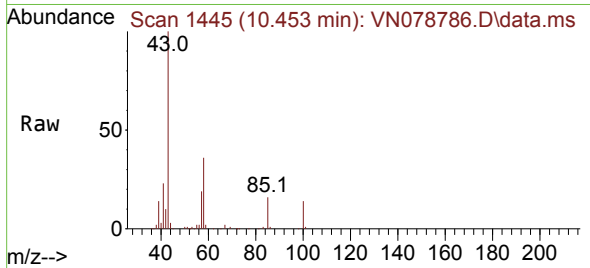




#51  
4-Methyl-2-Pentanone  
Concen: 52.367 ug/l  
RT: 10.453 min Scan# 1445  
Delta R.T. 0.000 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

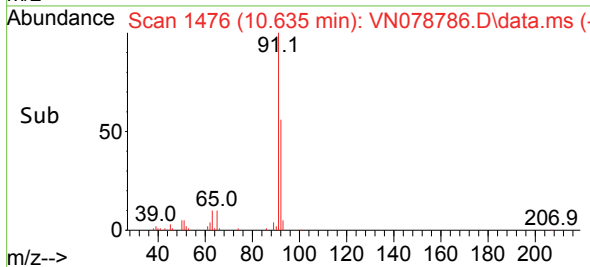
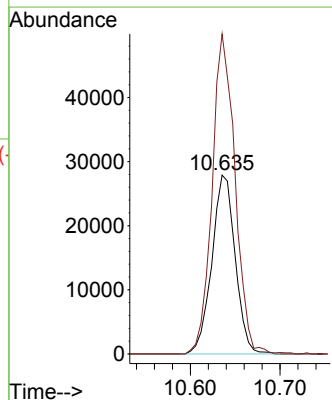
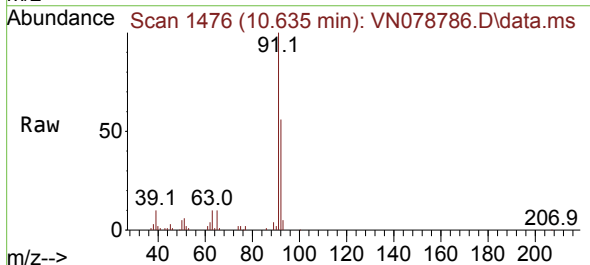
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC010

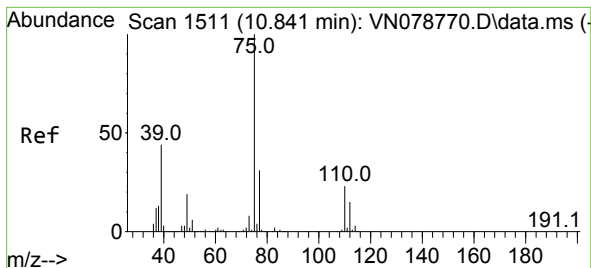
Tgt Ion: 43 Resp: 150816  
Ion Ratio Lower Upper  
43 100  
58 35.0 36.6 54.8#



#52  
Toluene  
Concen: 10.406 ug/l  
RT: 10.635 min Scan# 1476  
Delta R.T. -0.000 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

Tgt Ion: 92 Resp: 50419  
Ion Ratio Lower Upper  
92 100  
91 175.5 137.4 206.0

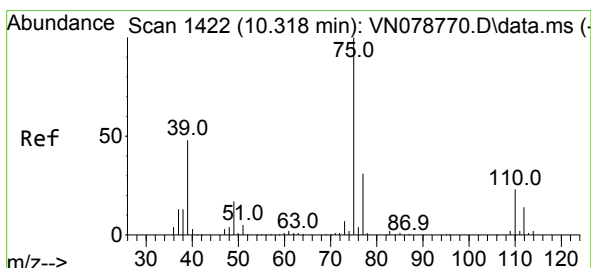
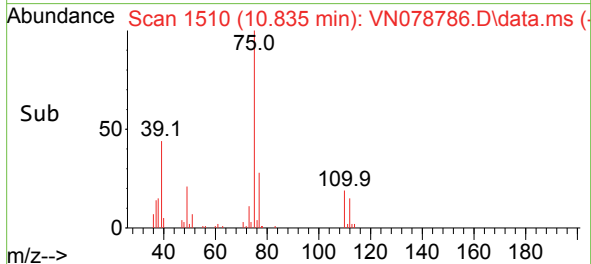
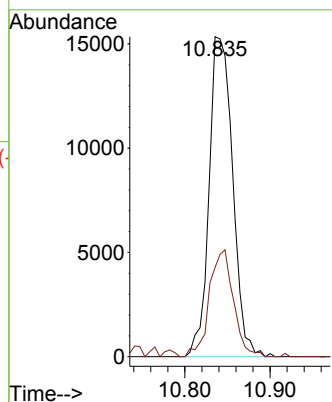
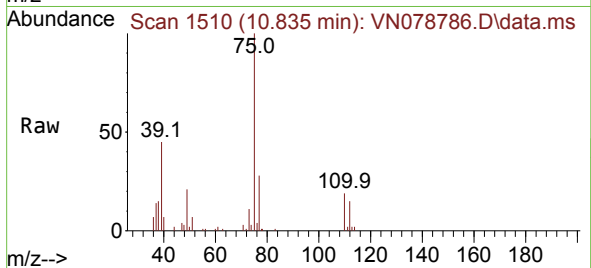




#53  
 t-1,3-Dichloropropene  
 Concen: 10.246 ug/l  
 RT: 10.835 min Scan# 1511  
 Delta R.T. -0.006 min  
 Lab File: VN078786.D  
 Acq: 07 Aug 2023 20:04

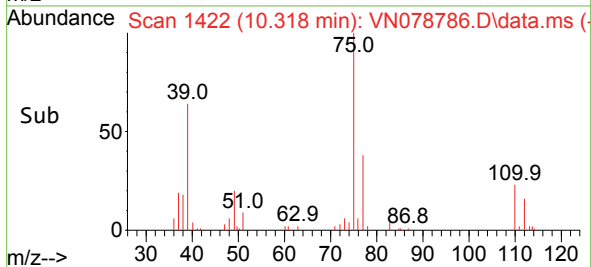
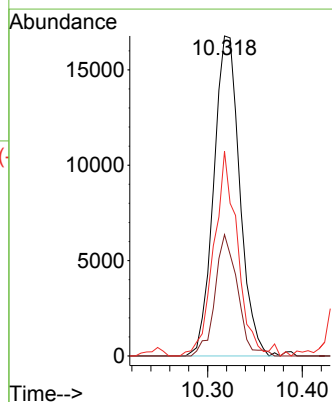
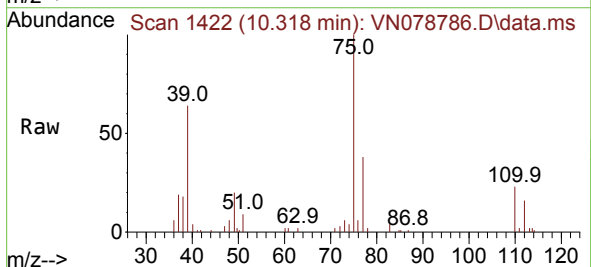
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC010

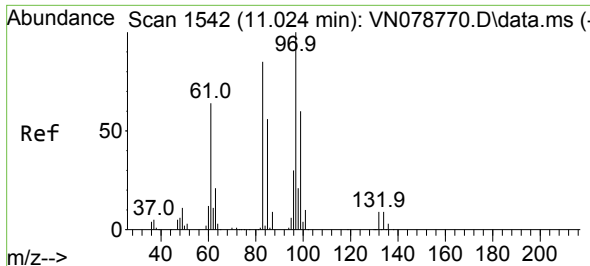
Tgt Ion: 75 Resp: 29495  
 Ion Ratio Lower Upper  
 75 100  
 77 27.9 25.4 38.0



#54  
 cis-1,3-Dichloropropene  
 Concen: 10.254 ug/l  
 RT: 10.318 min Scan# 1422  
 Delta R.T. -0.000 min  
 Lab File: VN078786.D  
 Acq: 07 Aug 2023 20:04

Tgt Ion: 75 Resp: 32069  
 Ion Ratio Lower Upper  
 75 100  
 77 37.9 26.1 39.1  
 39 63.9 31.6 47.4#

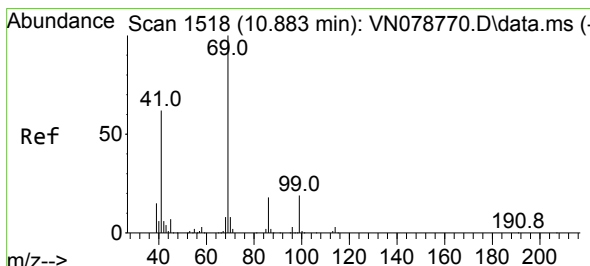
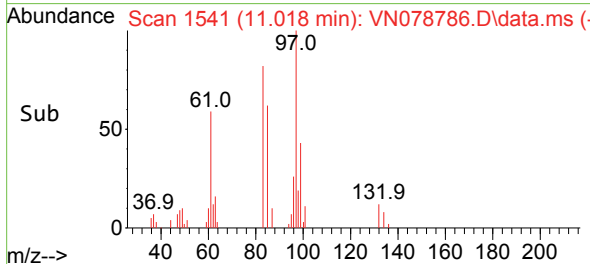
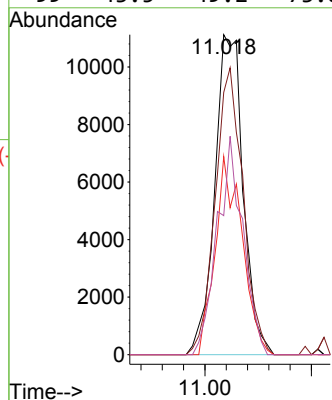
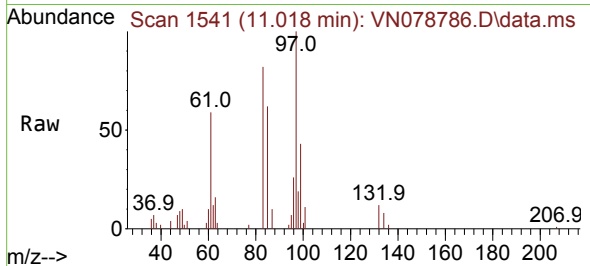




#55  
1,1,2-Trichloroethane  
Concen: 10.684 ug/l  
RT: 11.018 min Scan# 1541  
Delta R.T. -0.006 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

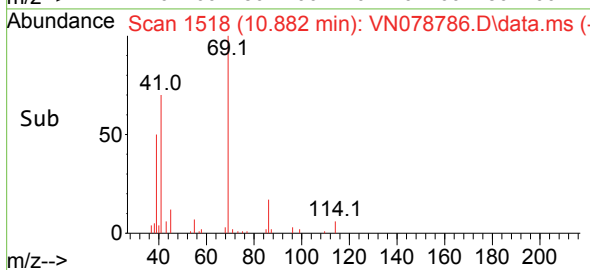
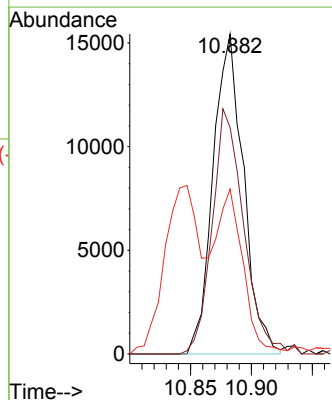
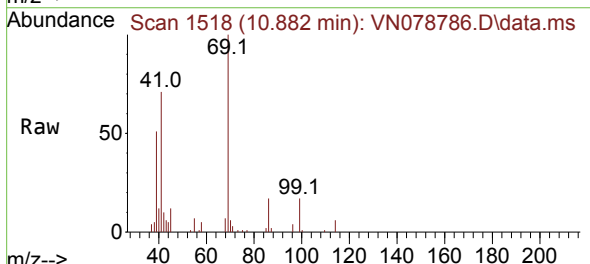
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC010

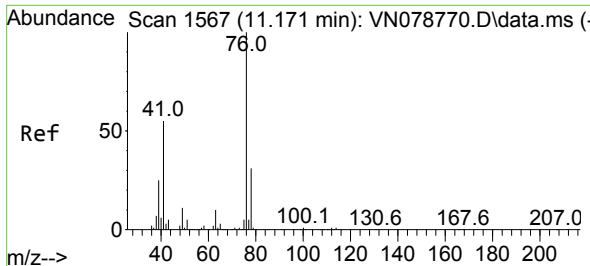
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 20576 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 81.9  | 65.1  | 97.7  |
| 85       | 61.9  | 43.4  | 65.2  |
| 99       | 43.5  | 49.2  | 73.8# |



#56  
Ethyl methacrylate  
Concen: 9.589 ug/l  
RT: 10.882 min Scan# 1518  
Delta R.T. -0.000 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 26780 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 79.7  | 39.6  | 59.4# |
| 39       | 43.2  | 28.6  | 43.0# |





#57

1,3-Dichloropropane

Concen: 10.588 ug/l

RT: 11.171 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN078786.D

Acq: 07 Aug 2023 20:04

Instrument :

MSVOA\_N

ClientSampleId :

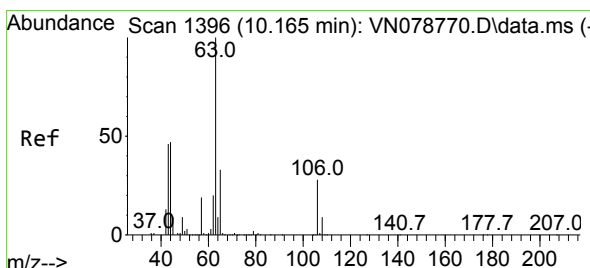
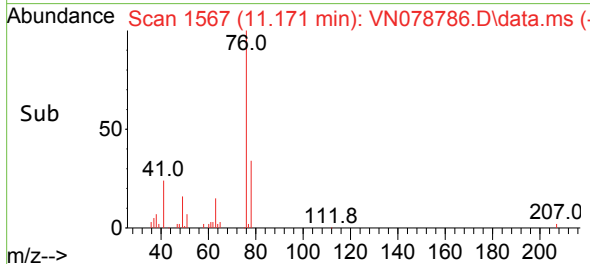
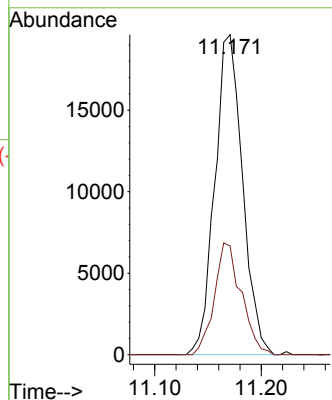
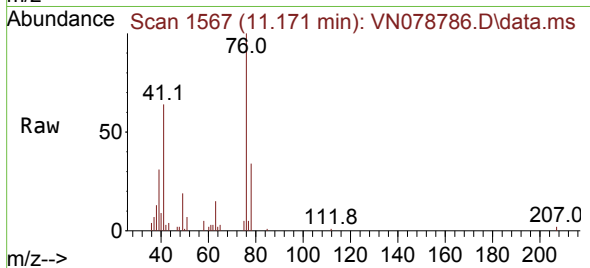
VSTDICC010

Tgt Ion: 76 Resp: 35453

Ion Ratio Lower Upper

76 100

78 33.8 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 49.742 ug/l

RT: 10.165 min Scan# 1396

Delta R.T. -0.000 min

Lab File: VN078786.D

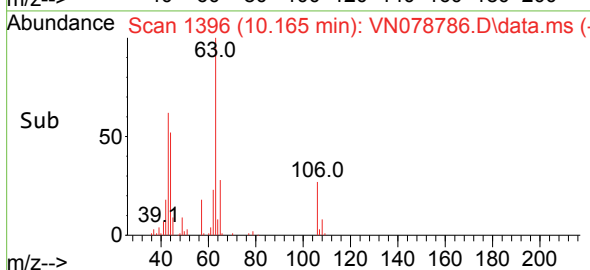
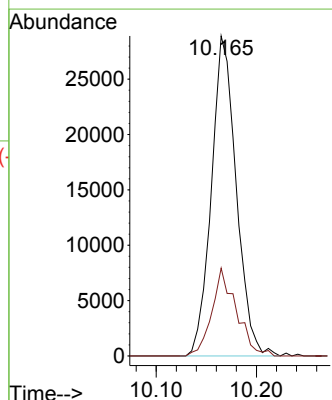
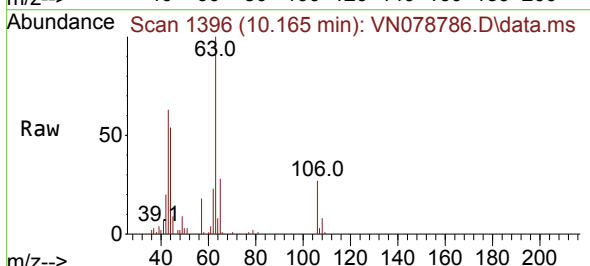
Acq: 07 Aug 2023 20:04

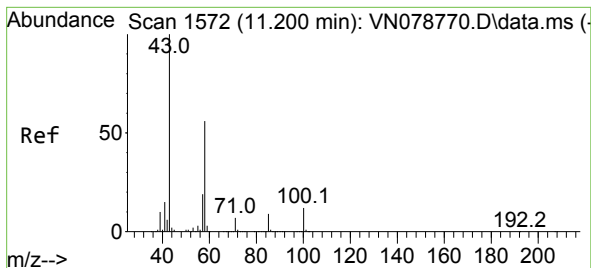
Tgt Ion: 63 Resp: 49873

Ion Ratio Lower Upper

63 100

106 27.1 26.2 39.4

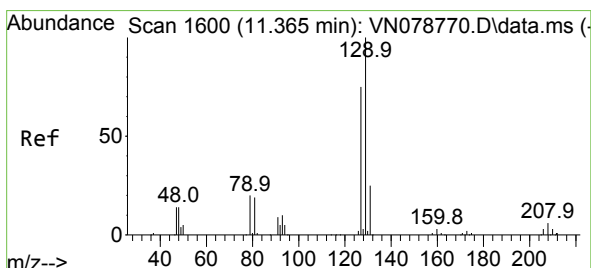
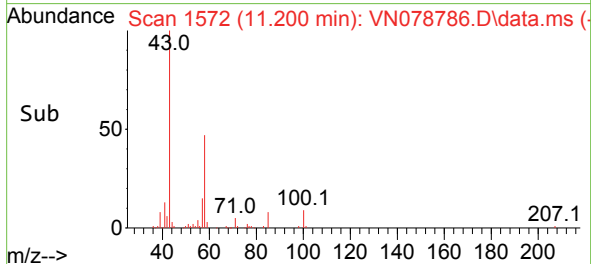
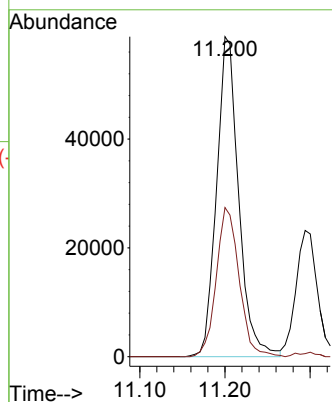
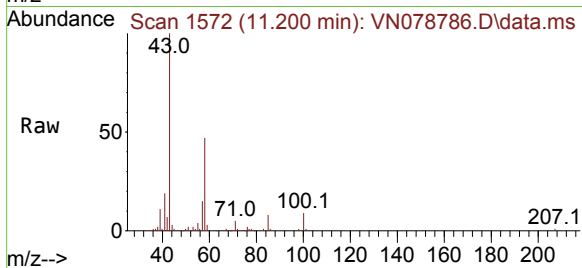




#59  
2-Hexanone  
Concen: 52.005 ug/l  
RT: 11.200 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

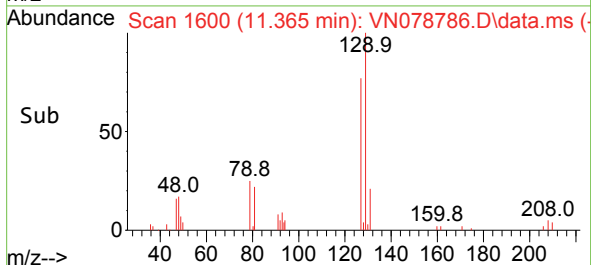
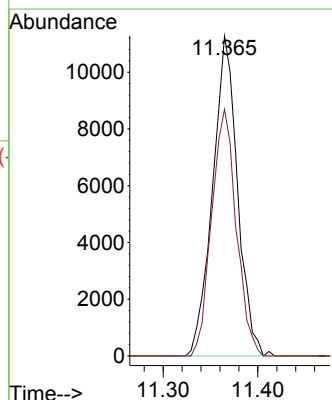
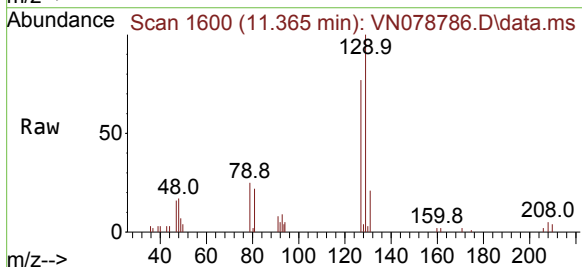
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC010

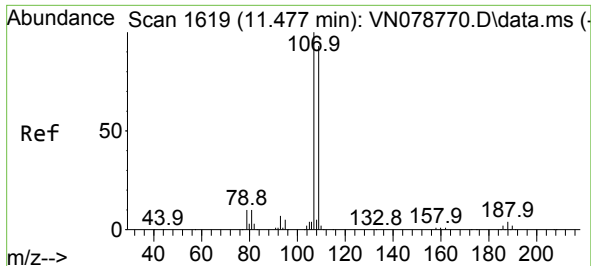
Tgt Ion: 43 Resp: 106053  
Ion Ratio Lower Upper  
43 100  
58 48.2 31.7 95.1



#60  
Dibromochloromethane  
Concen: 10.187 ug/l  
RT: 11.365 min Scan# 1600  
Delta R.T. -0.000 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

Tgt Ion: 129 Resp: 20591  
Ion Ratio Lower Upper  
129 100  
127 76.2 38.6 116.0

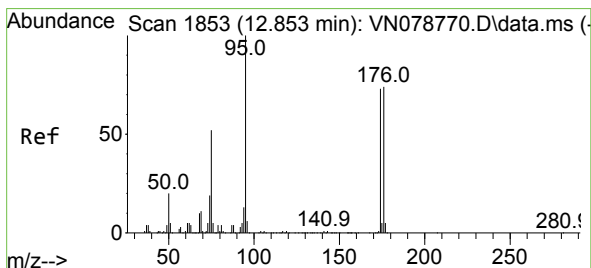
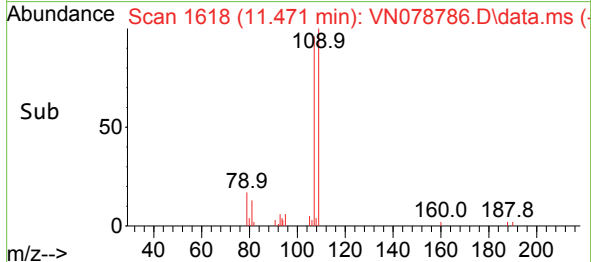
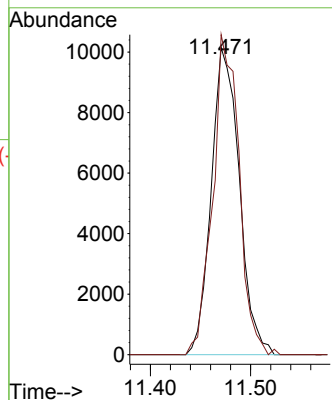
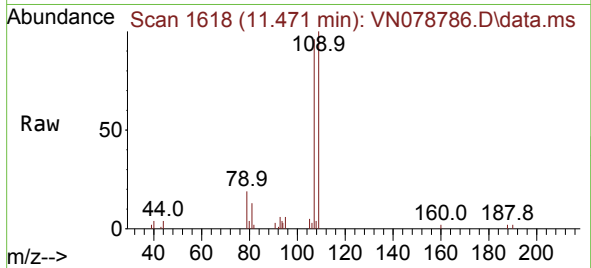




#61  
1,2-Dibromoethane  
Concen: 10.337 ug/l  
RT: 11.471 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

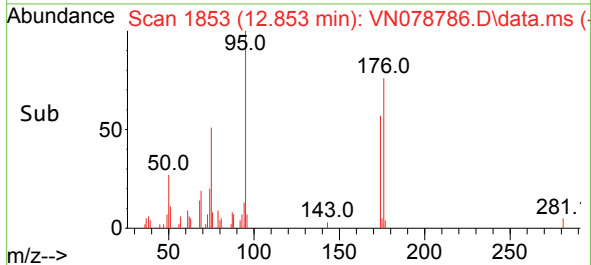
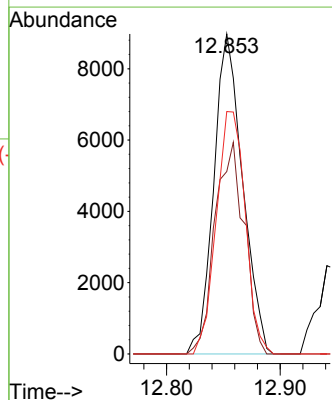
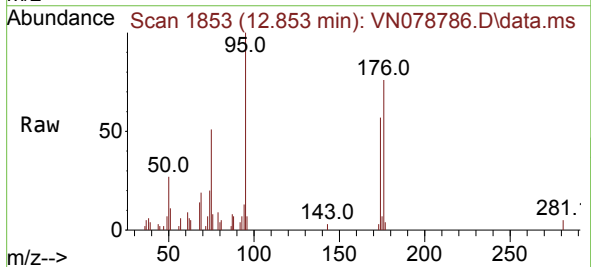
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC010

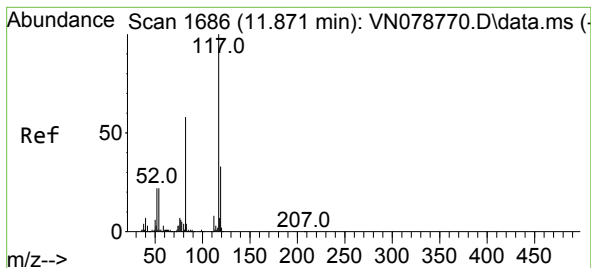
Tgt Ion:107 Resp: 19719  
Ion Ratio Lower Upper  
107 100  
109 97.8 76.6 114.8



#62  
4-Bromofluorobenzene  
Concen: 8.511 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

Tgt Ion: 95 Resp: 15826  
Ion Ratio Lower Upper  
95 100  
174 67.2 0.0 143.8  
176 76.1 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN078786.D

Acq: 07 Aug 2023 20:04

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC010

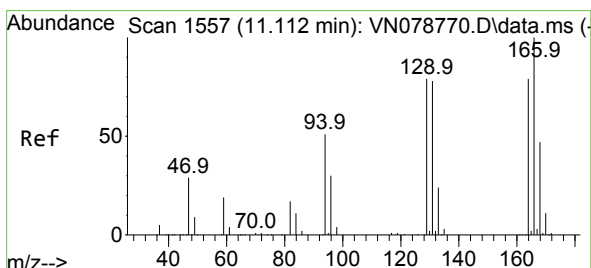
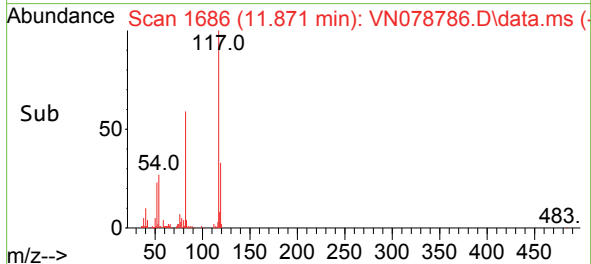
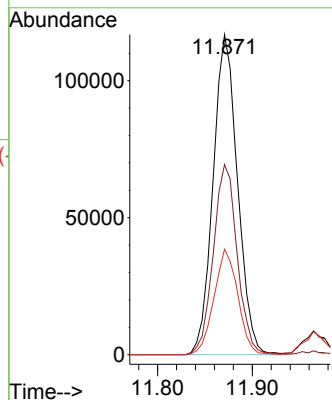
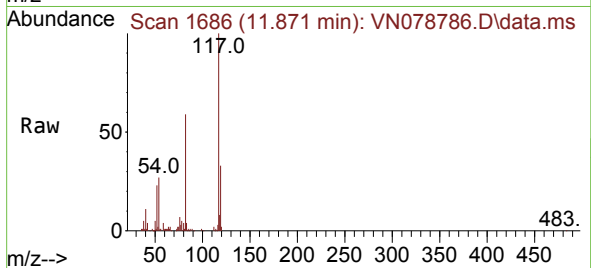
Tgt Ion:117 Resp: 209359

Ion Ratio Lower Upper

117 100

82 59.4 44.0 66.0

119 32.9 25.6 38.4



#64

Tetrachloroethene

Concen: 11.417 ug/l

RT: 11.112 min Scan# 1557

Delta R.T. -0.000 min

Lab File: VN078786.D

Acq: 07 Aug 2023 20:04

Tgt Ion:164 Resp: 18417

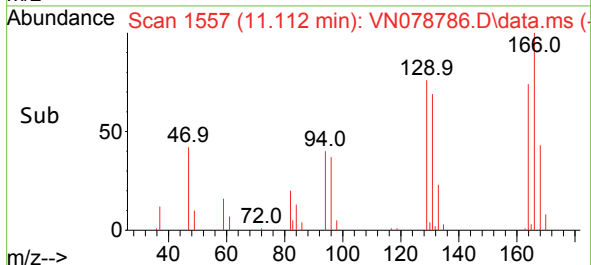
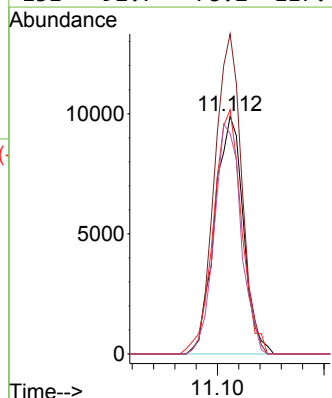
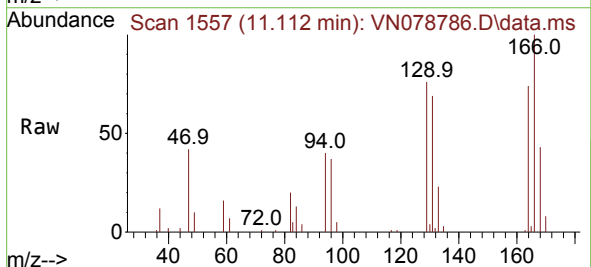
Ion Ratio Lower Upper

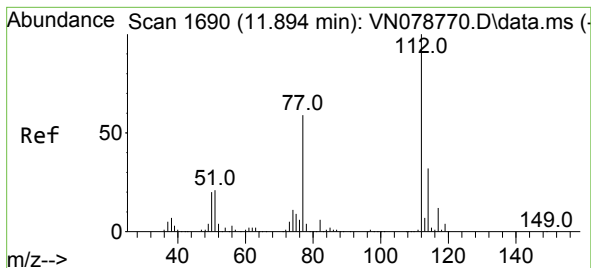
164 100

166 134.7 101.4 152.0

129 102.7 82.4 123.6

131 92.7 78.2 117.4

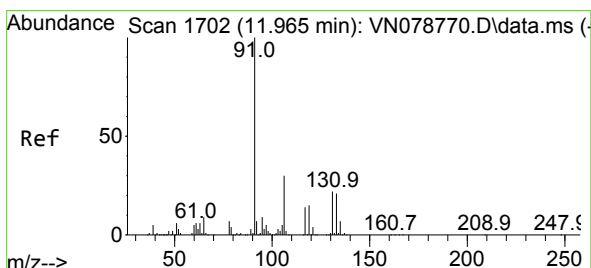
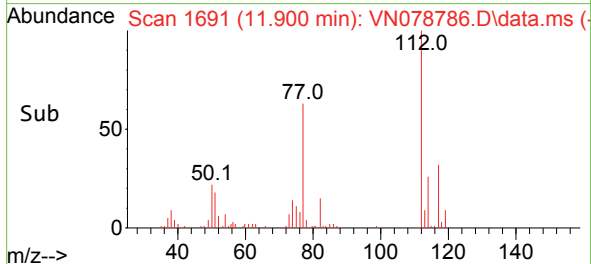
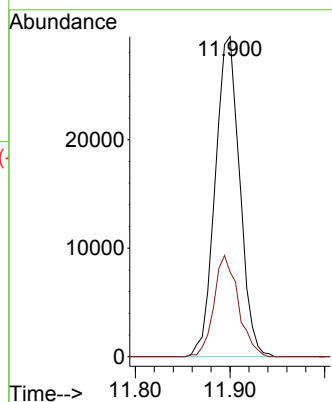
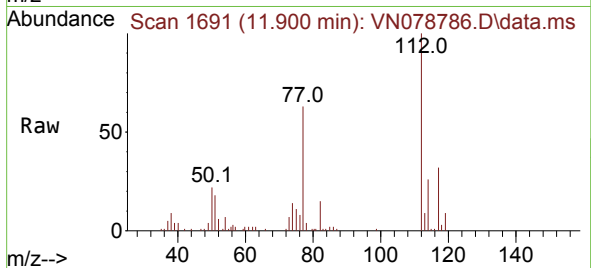




#65  
Chlorobenzene  
Concen: 11.119 ug/l  
RT: 11.900 min Scan# 1691  
Delta R.T. 0.006 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

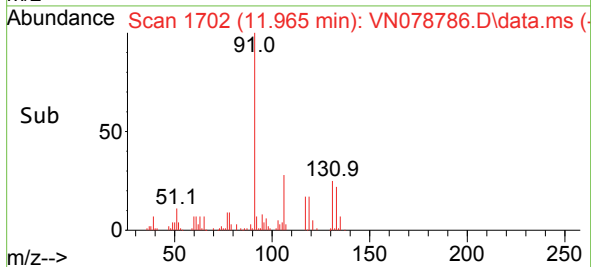
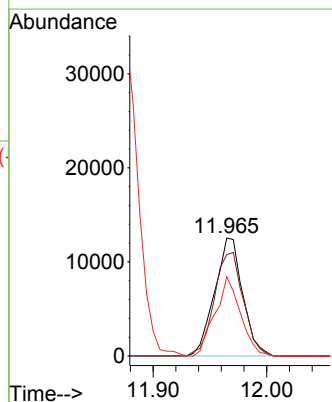
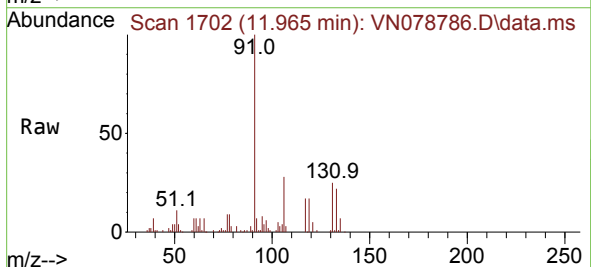
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC010

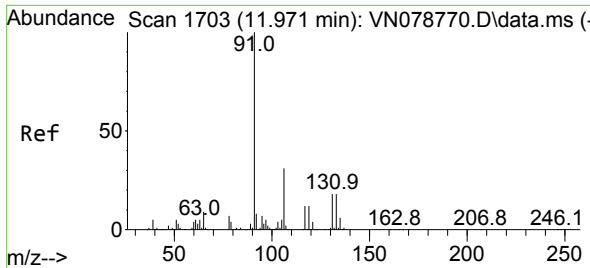
Tgt Ion:112 Resp: 53013  
Ion Ratio Lower Upper  
112 100  
114 26.4 25.0 37.4



#66  
1,1,1,2-Tetrachloroethane  
Concen: 11.646 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. -0.000 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

Tgt Ion:131 Resp: 21506  
Ion Ratio Lower Upper  
131 100  
133 90.5 46.4 139.1  
119 61.2 34.1 102.2

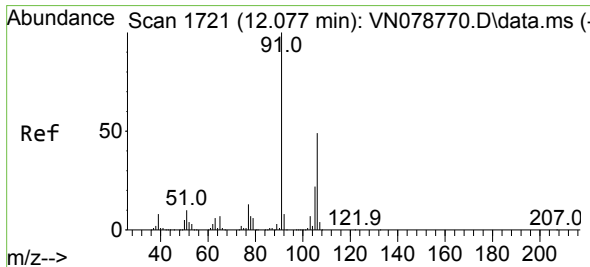
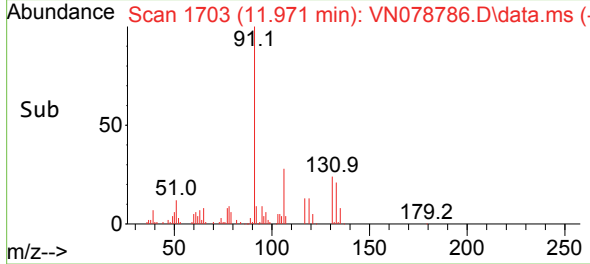
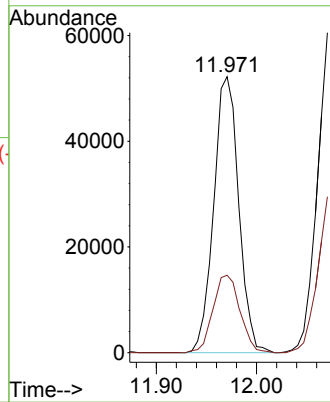
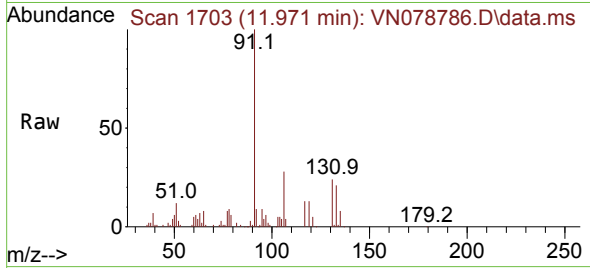




#67  
Ethyl Benzene  
Concen: 10.632 ug/l  
RT: 11.971 min Scan# 1703  
Delta R.T. -0.000 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

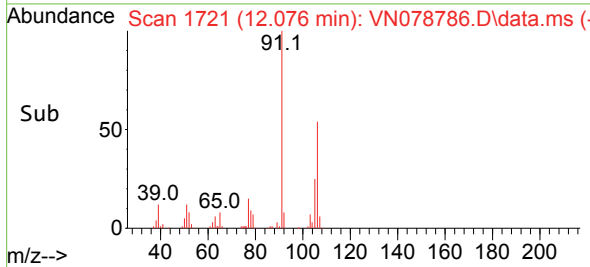
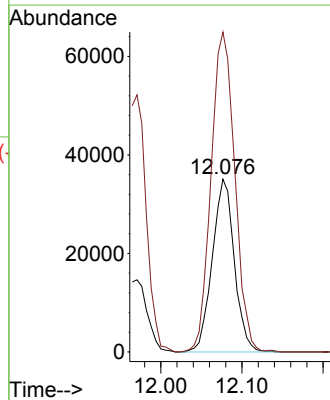
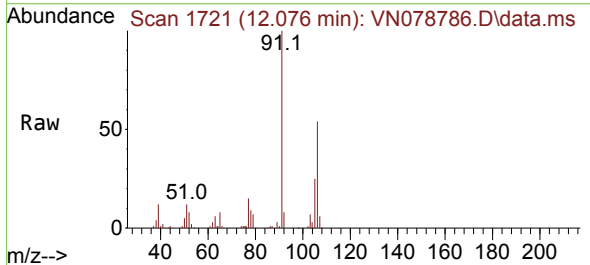
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC010

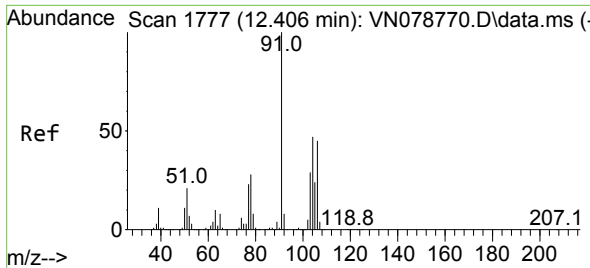
Tgt Ion: 91 Resp: 90296  
Ion Ratio Lower Upper  
91 100  
106 28.1 25.6 38.4



#68  
m/p-Xylenes  
Concen: 21.127 ug/l  
RT: 12.076 min Scan# 1721  
Delta R.T. -0.001 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

Tgt Ion: 106 Resp: 66194  
Ion Ratio Lower Upper  
106 100  
91 199.6 159.6 239.4

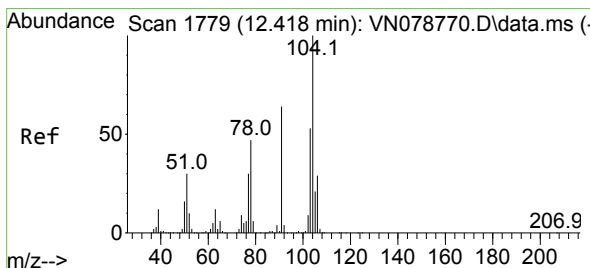
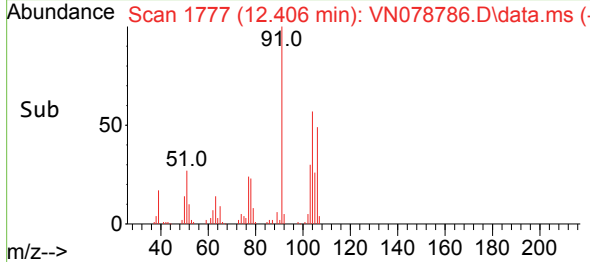
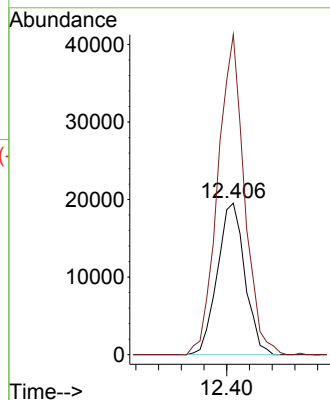
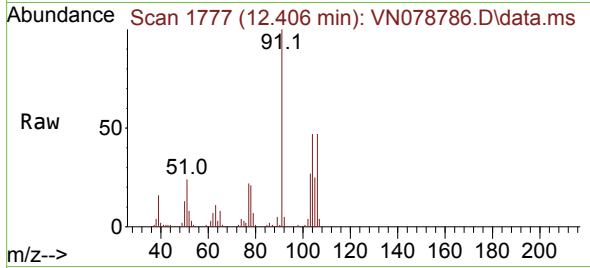




#69  
o-Xylene  
Concen: 10.684 ug/l  
RT: 12.406 min Scan# 1777  
Delta R.T. -0.000 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

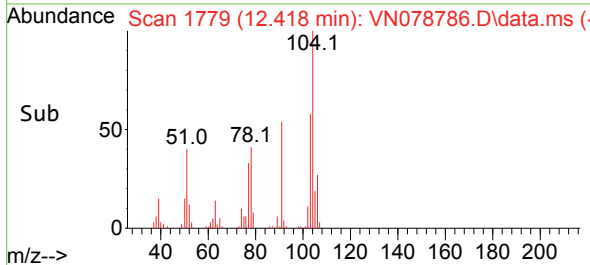
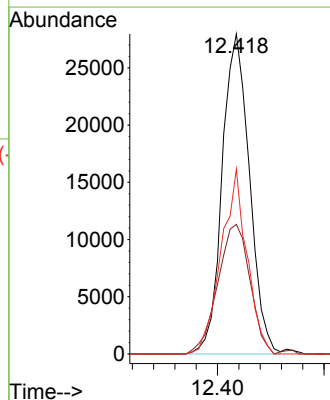
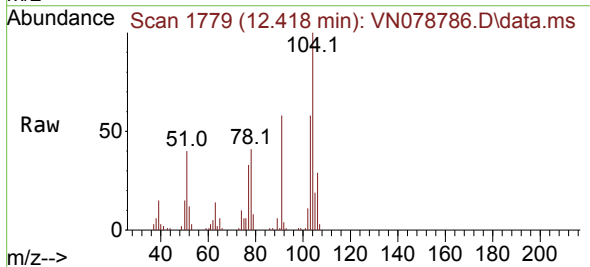
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC010

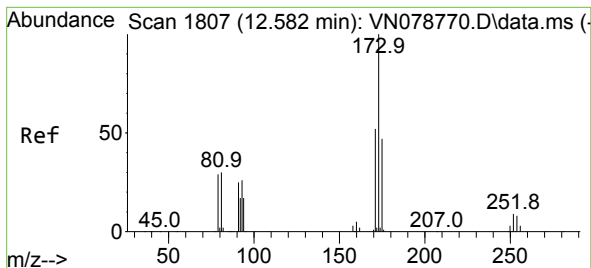
Tgt Ion:106 Resp: 32858  
Ion Ratio Lower Upper  
106 100  
91 204.2 105.2 315.5



#70  
Styrene  
Concen: 10.299 ug/l  
RT: 12.418 min Scan# 1779  
Delta R.T. -0.000 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

Tgt Ion:104 Resp: 49711  
Ion Ratio Lower Upper  
104 100  
78 47.8 39.5 59.3  
103 54.7 43.2 64.8





#71

Bromoform

Concen: 10.393 ug/l

RT: 12.582 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN078786.D

Acq: 07 Aug 2023 20:04

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC010

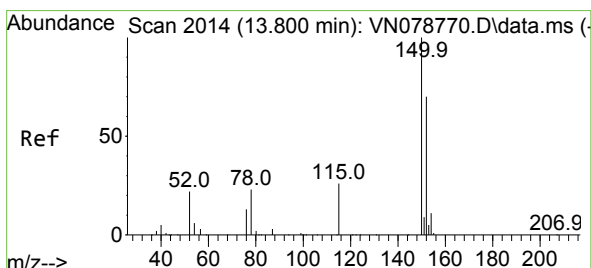
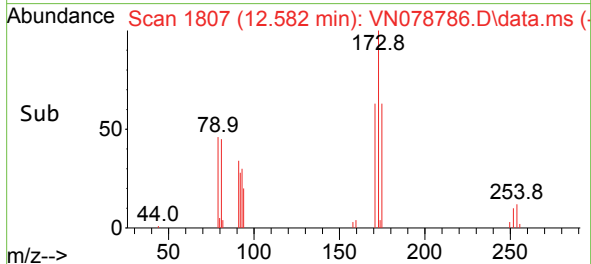
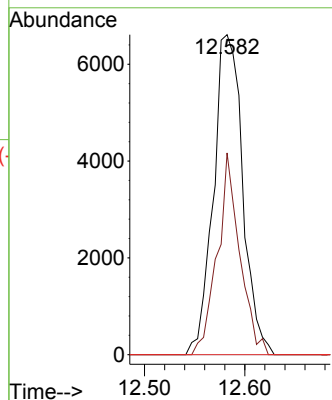
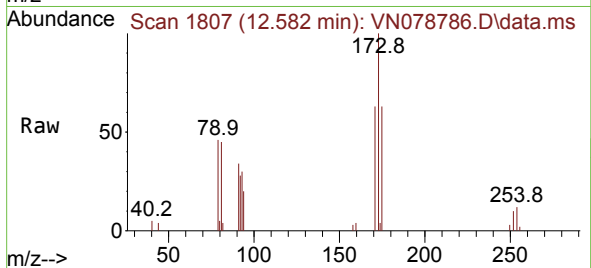
Tgt Ion:173 Resp: 13386

Ion Ratio Lower Upper

173 100

175 48.3 24.3 73.0

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.006 min

Lab File: VN078786.D

Acq: 07 Aug 2023 20:04

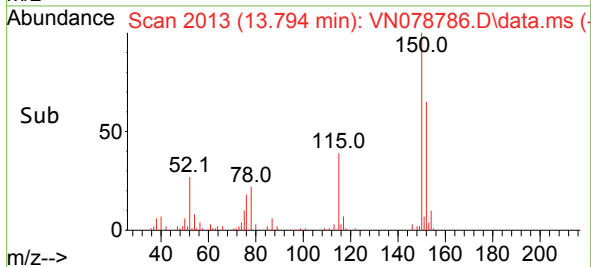
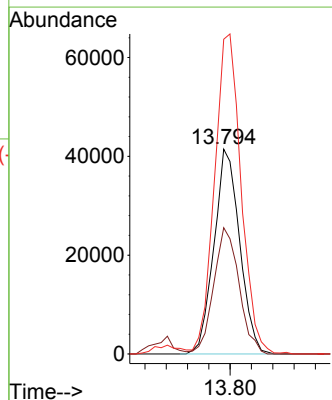
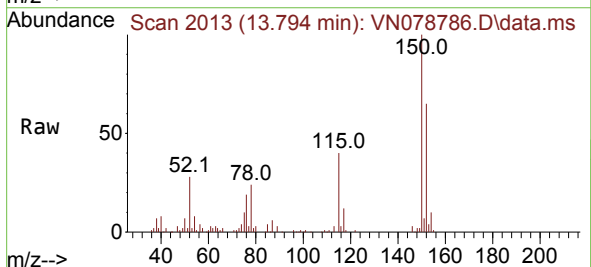
Tgt Ion:152 Resp: 69298

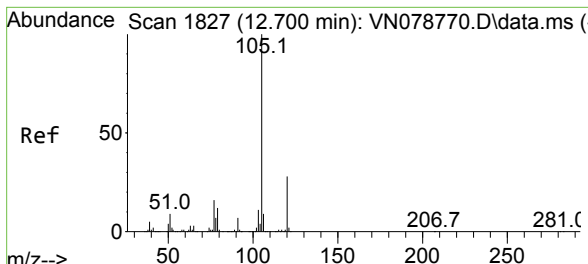
Ion Ratio Lower Upper

152 100

115 61.0 32.3 96.8

150 161.8 0.0 355.8

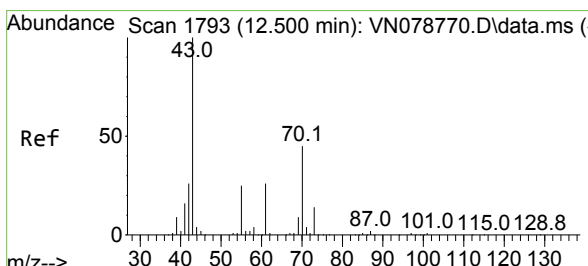
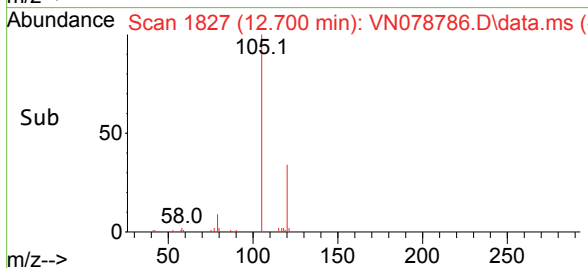
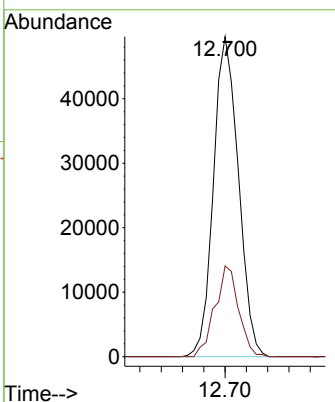
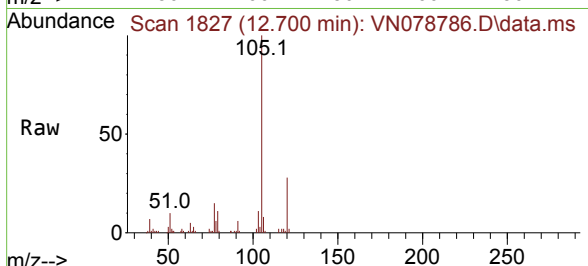




#73  
Isopropylbenzene  
Concen: 11.812 ug/l  
RT: 12.700 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

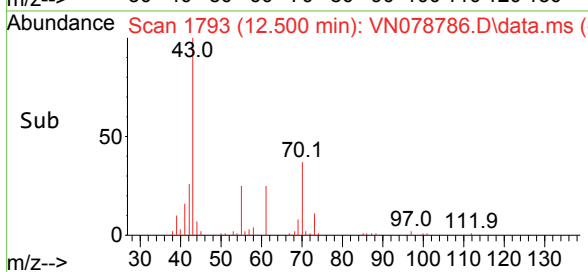
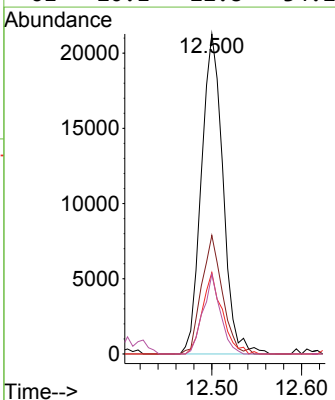
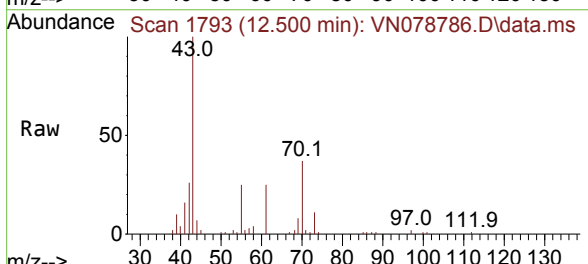
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC010

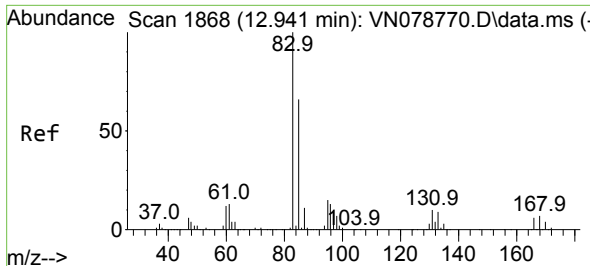
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 80559 |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 26.9  | 13.1  | 39.1  |



#74  
N-ethyl acetate  
Concen: 11.470 ug/l  
RT: 12.500 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 35486 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 70       | 35.7  | 43.4  | 65.2# |
| 55       | 23.4  | 21.4  | 32.0  |
| 61       | 20.1  | 22.8  | 34.2# |

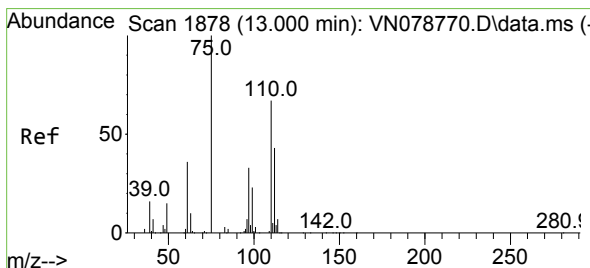
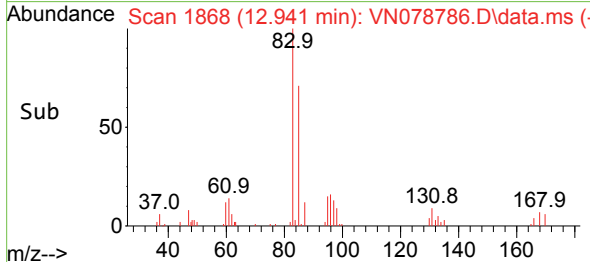
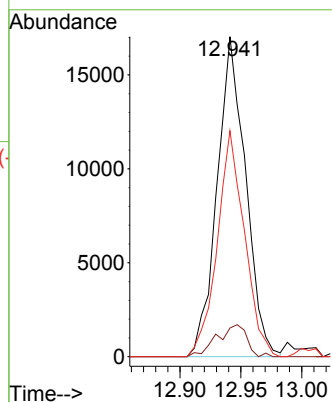
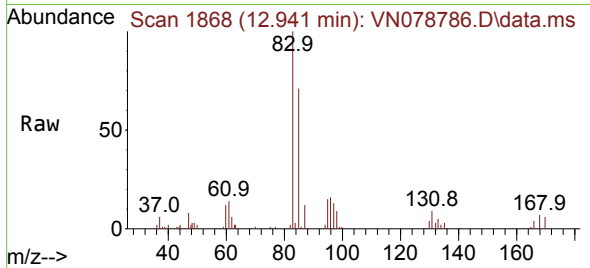




#75  
1,1,2,2-Tetrachloroethane  
Concen: 11.991 ug/l  
RT: 12.941 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

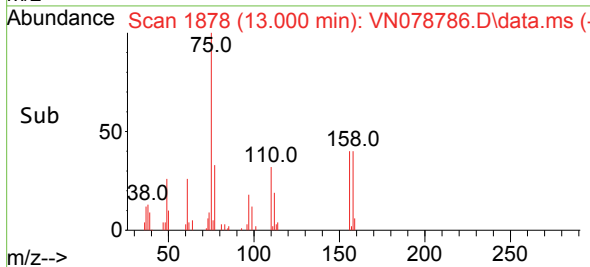
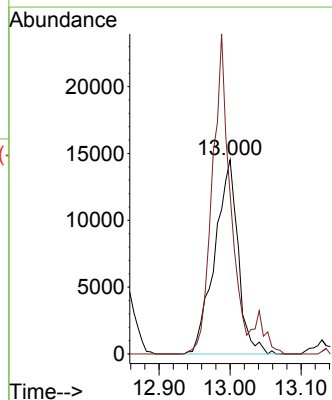
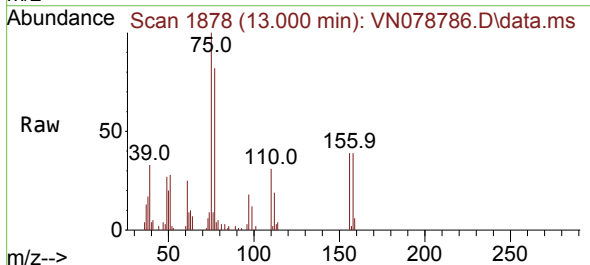
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC010

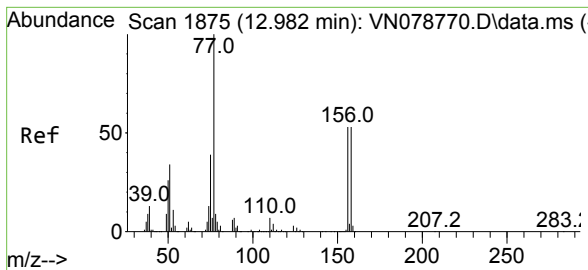
Tgt Ion: 83 Resp: 27793  
Ion Ratio Lower Upper  
83 100  
131 10.5 5.0 15.0  
85 67.4 31.9 95.7



#76  
1,2,3-Trichloropropane  
Concen: 17.730 ug/l  
RT: 13.000 min Scan# 1878  
Delta R.T. -0.000 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

Tgt Ion: 75 Resp: 33219  
Ion Ratio Lower Upper  
75 100  
77 125.6 84.5 253.5

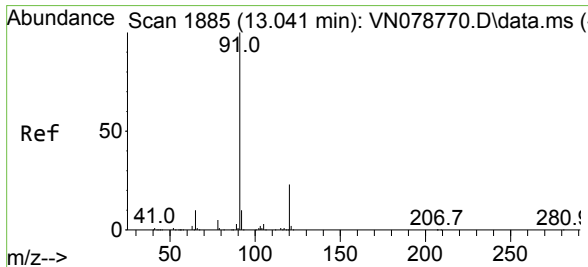
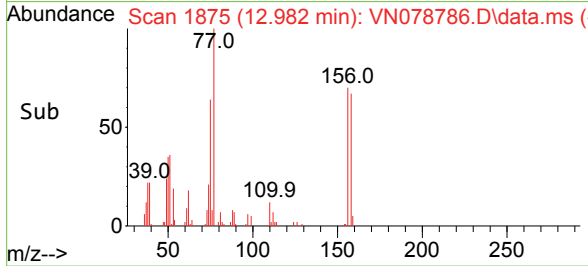
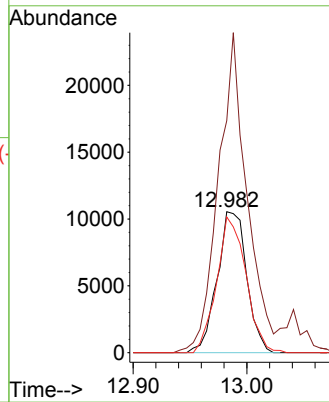
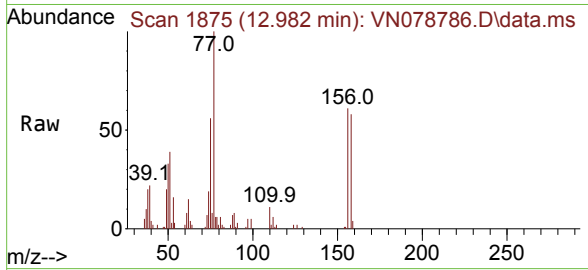




#77  
Bromobenzene  
Concen: 11.890 ug/l  
RT: 12.982 min Scan# 1875  
Delta R.T. -0.000 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

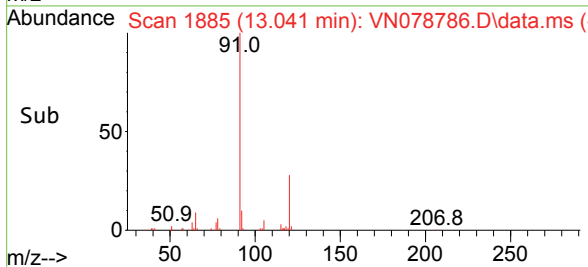
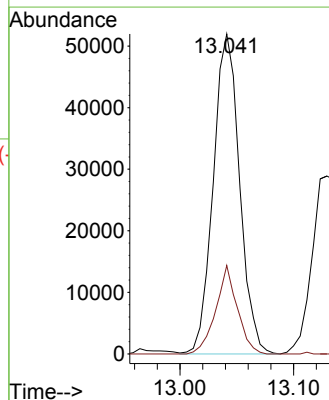
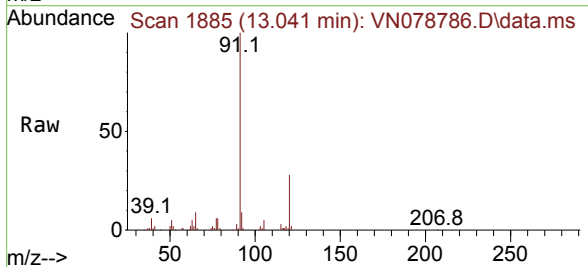
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC010

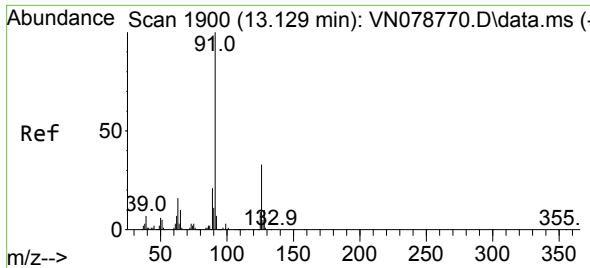
Tgt Ion:156 Resp: 19028  
Ion Ratio Lower Upper  
156 100  
77 219.2 107.7 323.3  
158 95.6 48.4 145.3



#78  
n-propylbenzene  
Concen: 11.164 ug/l  
RT: 13.041 min Scan# 1885  
Delta R.T. -0.000 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

Tgt Ion: 91 Resp: 83686  
Ion Ratio Lower Upper  
91 100  
120 22.6 11.5 34.4

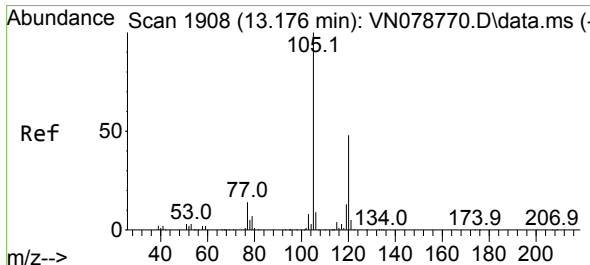
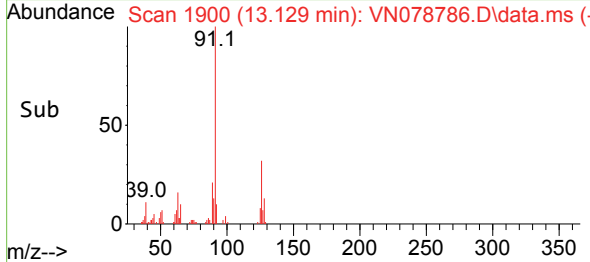
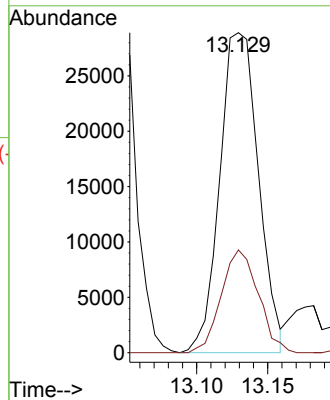
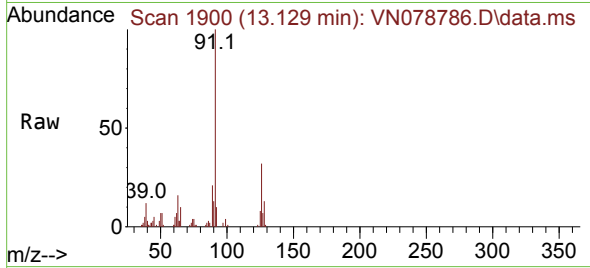




#79  
2-Chlorotoluene  
Concen: 11.378 ug/l  
RT: 13.129 min Scan# 1900  
Delta R.T. -0.000 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

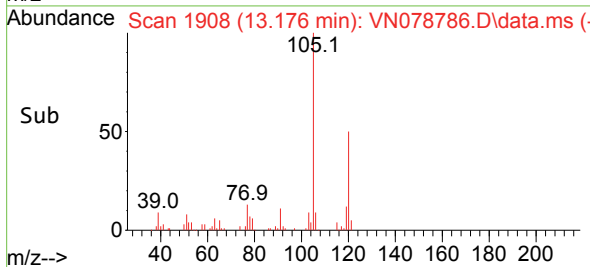
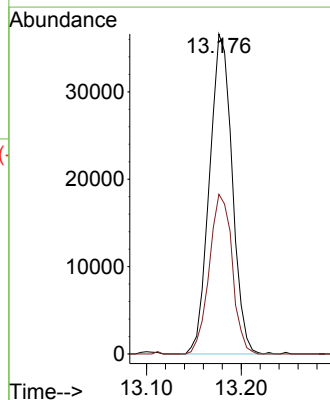
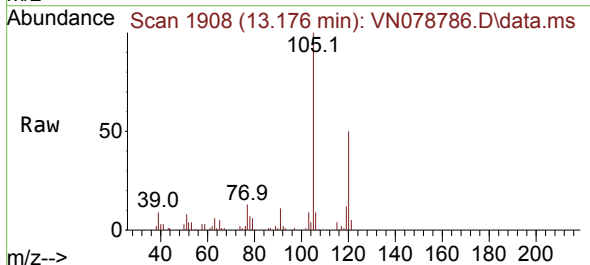
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC010

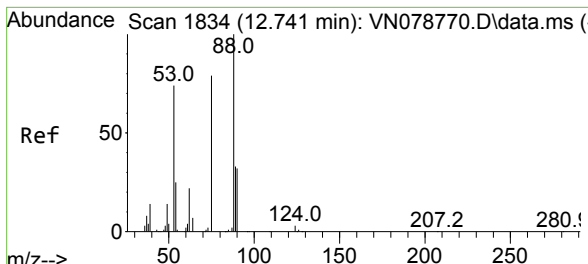
Tgt Ion: 91 Resp: 54797  
Ion Ratio Lower Upper  
91 100  
126 30.8 16.3 48.8



#80  
1,3,5-Trimethylbenzene  
Concen: 11.145 ug/l  
RT: 13.176 min Scan# 1908  
Delta R.T. -0.000 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

Tgt Ion: 105 Resp: 60893  
Ion Ratio Lower Upper  
105 100  
120 50.3 24.1 72.3

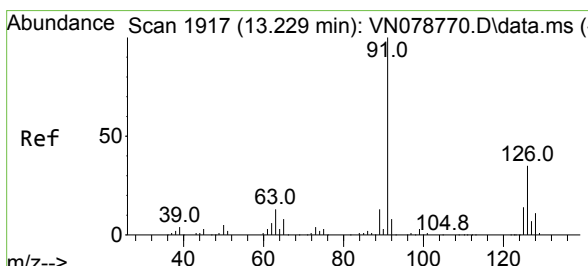
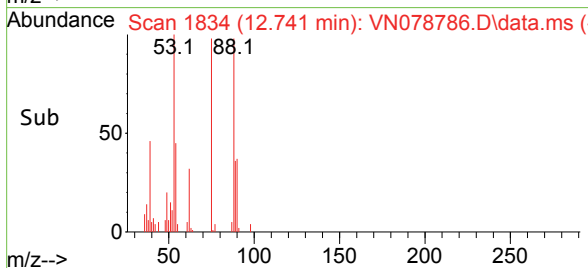
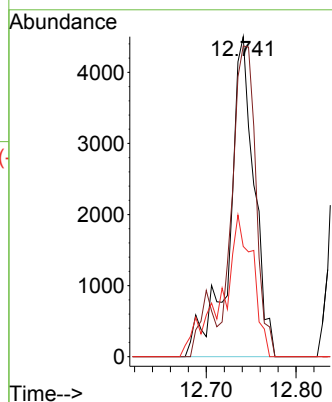
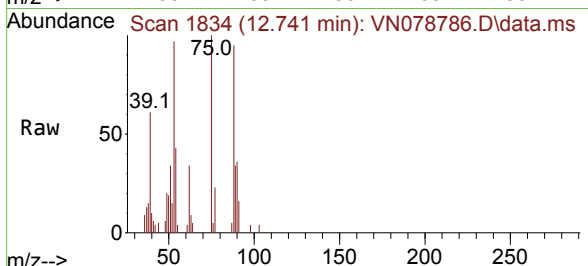




#81  
trans-1,4-Dichloro-2-butene  
Concen: 12.420 ug/l  
RT: 12.741 min Scan# 1834  
Delta R.T. -0.000 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

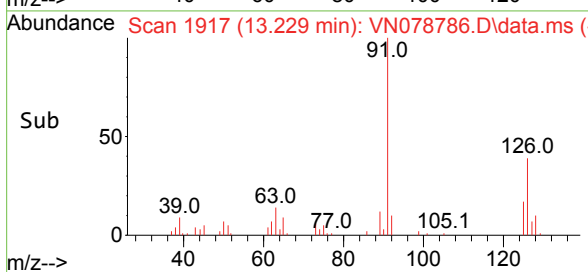
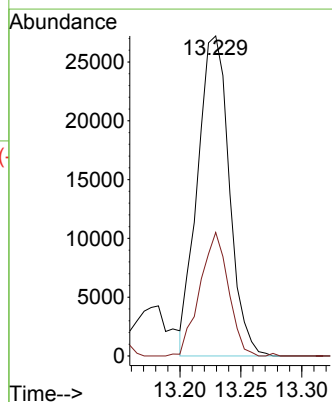
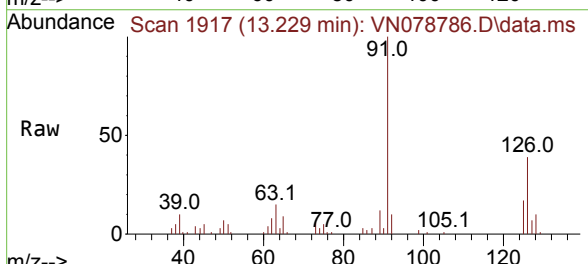
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC010

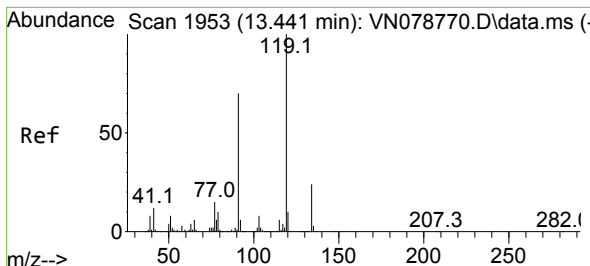
Tgt Ion: 75 Resp: 8672  
Ion Ratio Lower Upper  
75 100  
53 90.8 67.4 101.2  
89 55.6 38.8 58.2



#82  
4-Chlorotoluene  
Concen: 11.199 ug/l  
RT: 13.229 min Scan# 1917  
Delta R.T. -0.000 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

Tgt Ion: 91 Resp: 49342  
Ion Ratio Lower Upper  
91 100  
126 34.7 16.7 50.0

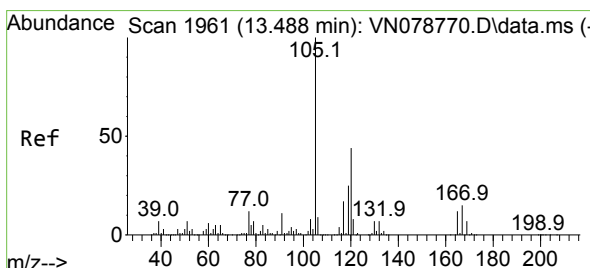
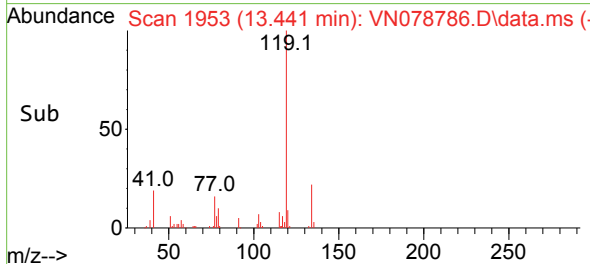
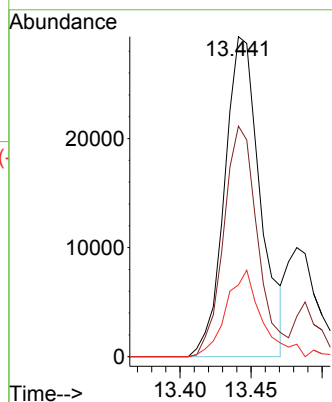
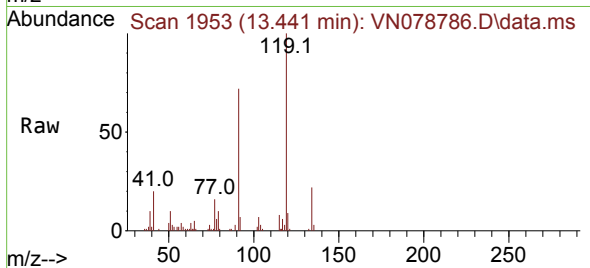




#83  
tert-Butylbenzene  
Concen: 11.265 ug/l  
RT: 13.441 min Scan# 1953  
Delta R.T. -0.000 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

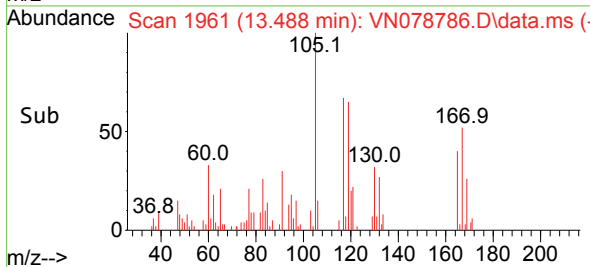
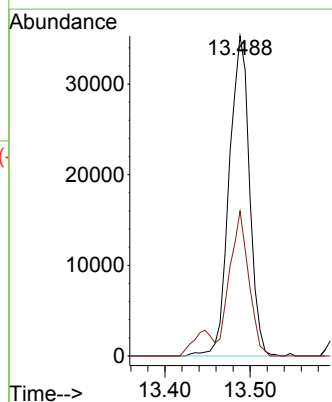
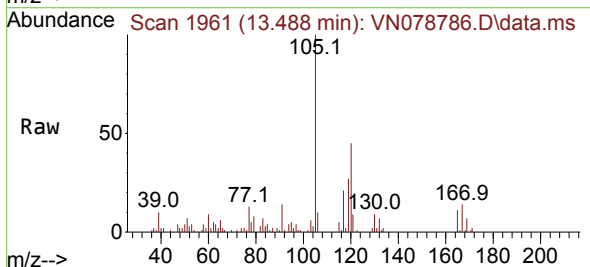
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC010

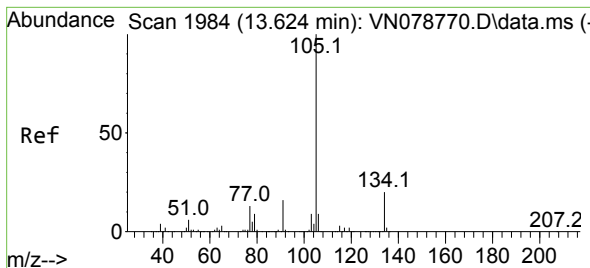
Tgt Ion:119 Resp: 51263  
Ion Ratio Lower Upper  
119 100  
91 69.1 33.9 101.7  
134 27.7 13.2 39.6



#84  
1,2,4-Trimethylbenzene  
Concen: 11.105 ug/l  
RT: 13.488 min Scan# 1961  
Delta R.T. -0.000 min  
Lab File: VN078786.D  
Acq: 07 Aug 2023 20:04

Tgt Ion:105 Resp: 58309  
Ion Ratio Lower Upper  
105 100  
120 42.9 22.0 66.0





#85

sec-Butylbenzene

Concen: 11.266 ug/l

RT: 13.623 min Scan# 1984

Delta R.T. -0.000 min

Lab File: VN078786.D

Acq: 07 Aug 2023 20:04

Instrument :

MSVOA\_N

ClientSampleId :

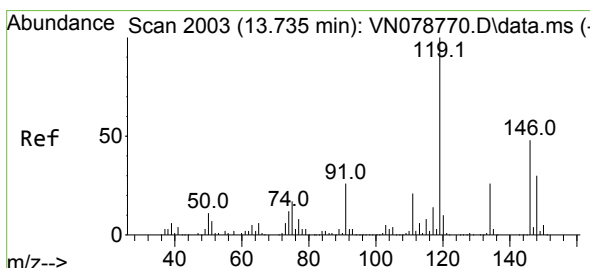
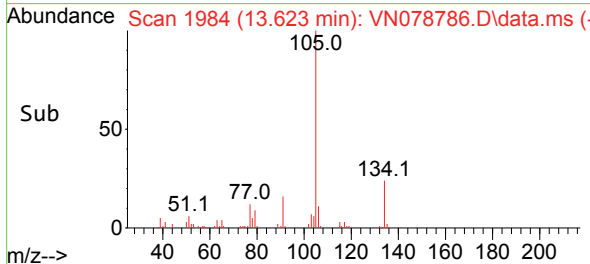
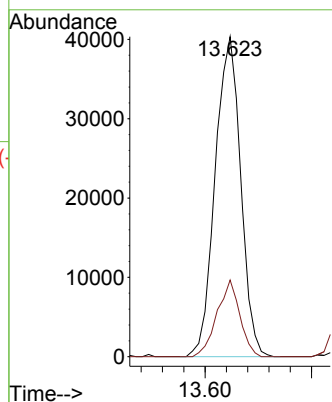
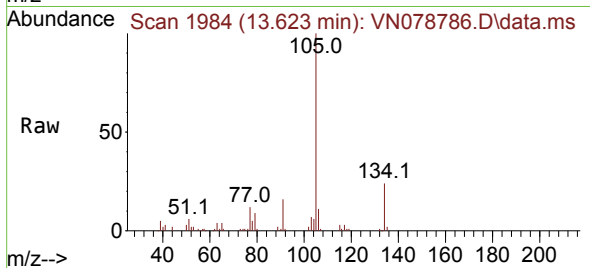
VSTDIC010

Tgt Ion:105 Resp: 67035

Ion Ratio Lower Upper

105 100

134 21.4 9.8 29.3



#86

p-Isopropyltoluene

Concen: 10.668 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. -0.000 min

Lab File: VN078786.D

Acq: 07 Aug 2023 20:04

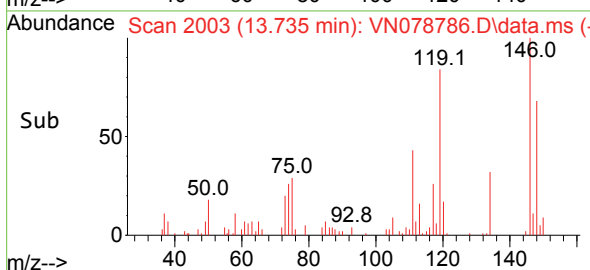
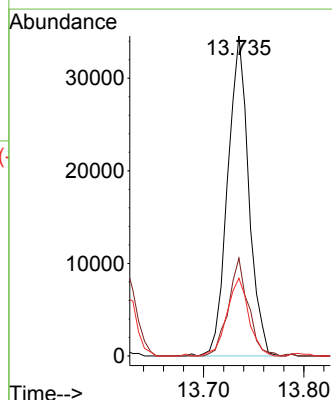
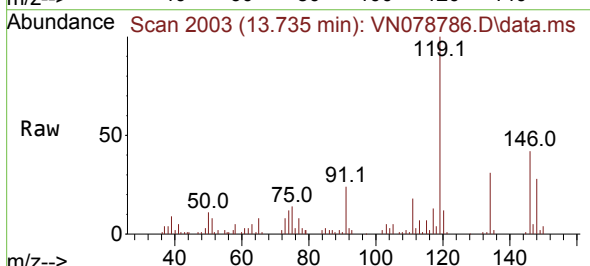
Tgt Ion:119 Resp: 50474

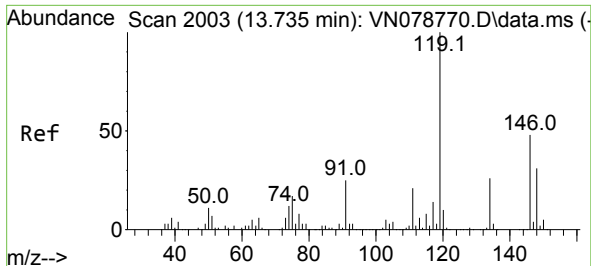
Ion Ratio Lower Upper

119 100

134 29.0 12.6 37.8

91 25.3 12.4 37.2

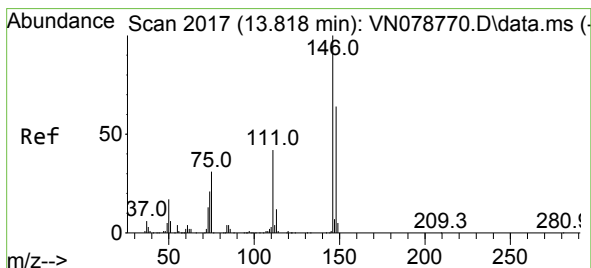
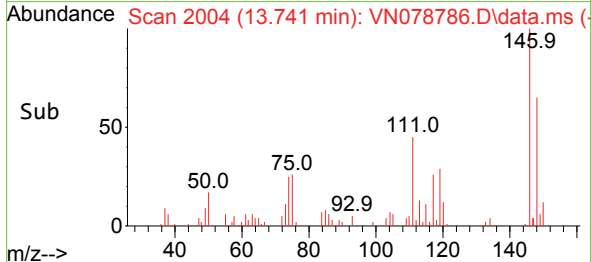
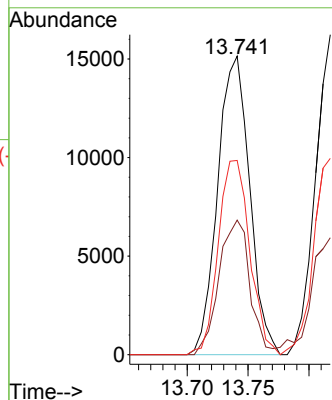
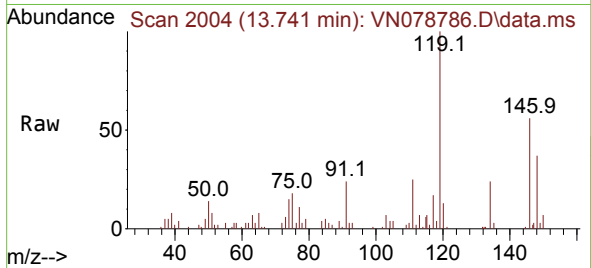




#87  
 1,3-Dichlorobenzene  
 Concen: 10.823 ug/l  
 RT: 13.741 min Scan# 2004  
 Delta R.T. 0.006 min  
 Lab File: VN078786.D  
 Acq: 07 Aug 2023 20:04

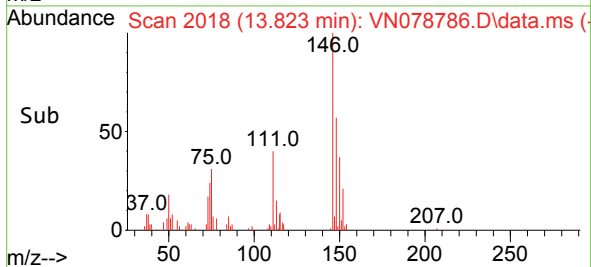
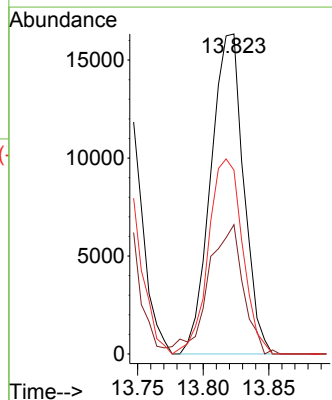
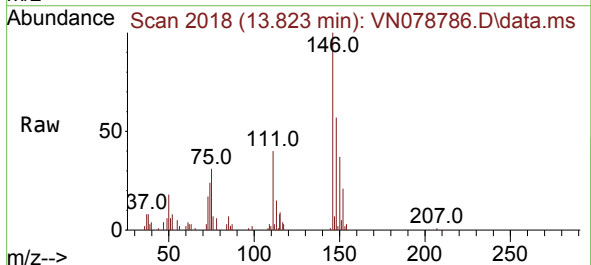
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC010

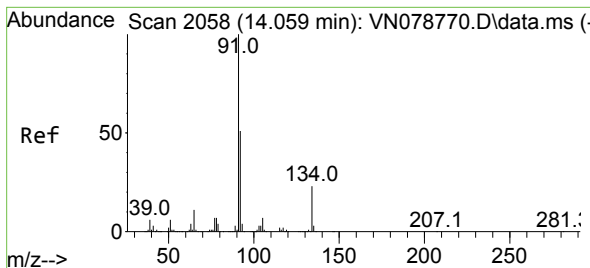
Tgt Ion:146 Resp: 27663  
 Ion Ratio Lower Upper  
 146 100  
 111 43.6 22.1 66.3  
 148 64.2 32.0 96.0



#88  
 1,4-Dichlorobenzene  
 Concen: 11.246 ug/l  
 RT: 13.823 min Scan# 2018  
 Delta R.T. 0.006 min  
 Lab File: VN078786.D  
 Acq: 07 Aug 2023 20:04

Tgt Ion:146 Resp: 28492  
 Ion Ratio Lower Upper  
 146 100  
 111 43.0 20.6 61.8  
 148 63.2 31.6 94.8





#89

n-Butylbenzene

Concen: 10.095 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. -0.000 min

Lab File: VN078786.D

Acq: 07 Aug 2023 20:04

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC010

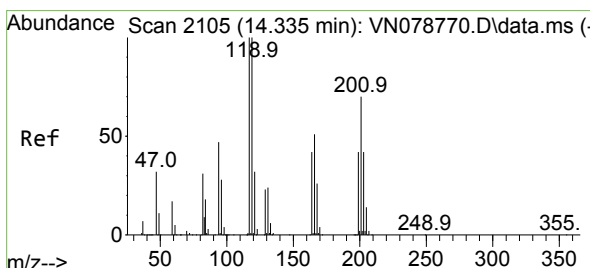
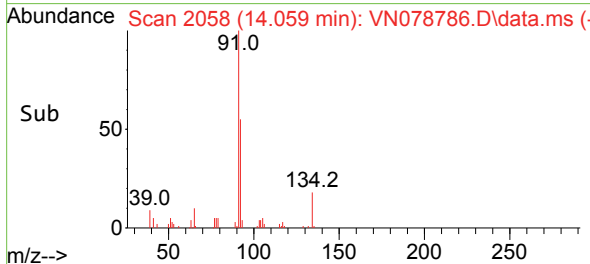
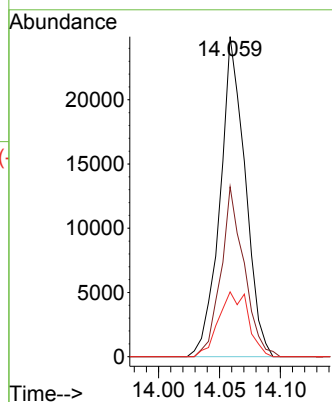
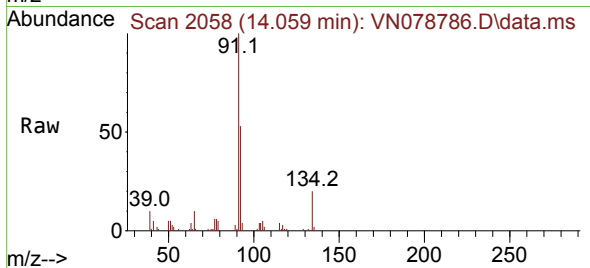
Tgt Ion: 91 Resp: 35836

Ion Ratio Lower Upper

91 100

92 49.0 26.4 79.0

134 24.0 12.6 37.6



#90

Hexachloroethane

Concen: 11.835 ug/l

RT: 14.335 min Scan# 2105

Delta R.T. -0.000 min

Lab File: VN078786.D

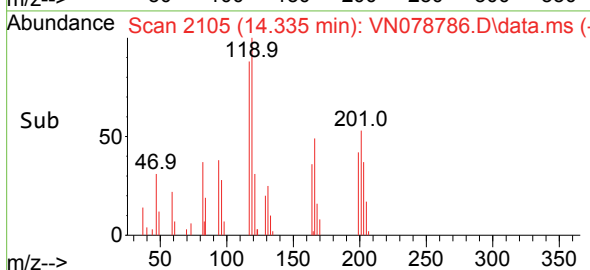
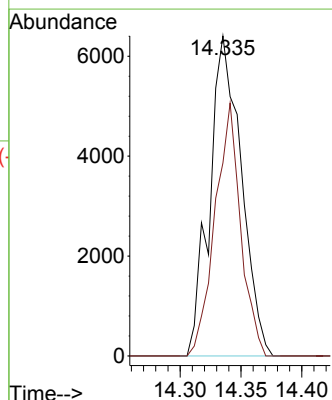
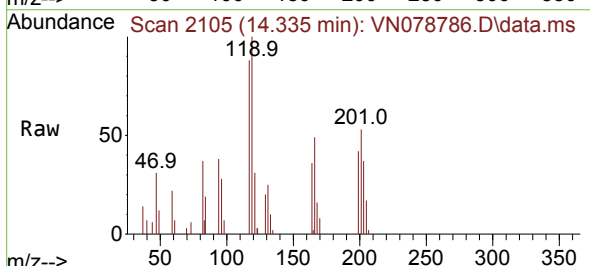
Acq: 07 Aug 2023 20:04

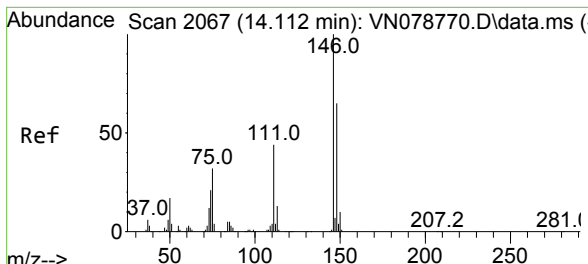
Tgt Ion: 117 Resp: 11605

Ion Ratio Lower Upper

117 100

201 63.9 29.3 88.0

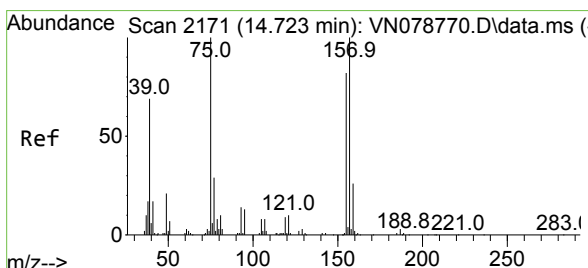
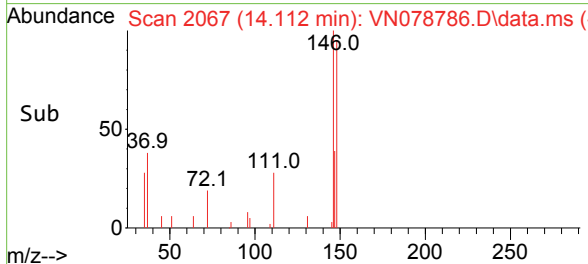
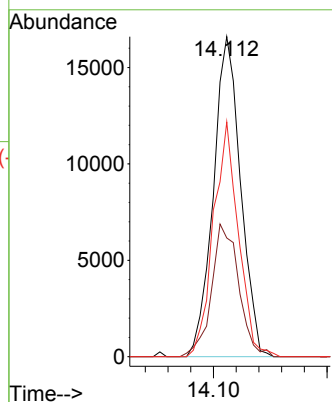
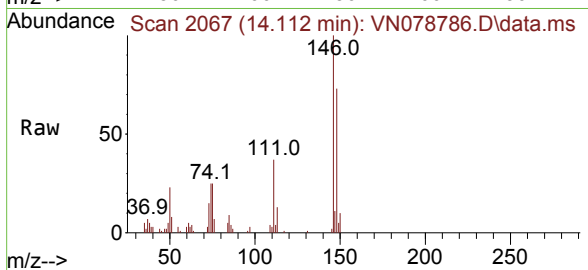




#91  
 1,2-Dichlorobenzene  
 Concen: 11.236 ug/l  
 RT: 14.112 min Scan# 2067  
 Delta R.T. -0.000 min  
 Lab File: VN078786.D  
 Acq: 07 Aug 2023 20:04

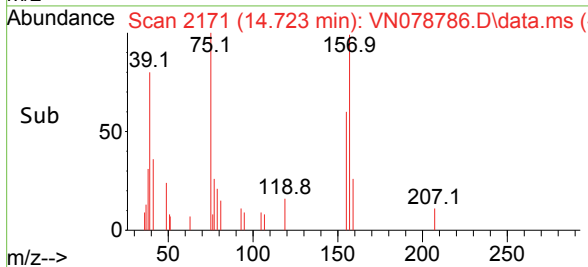
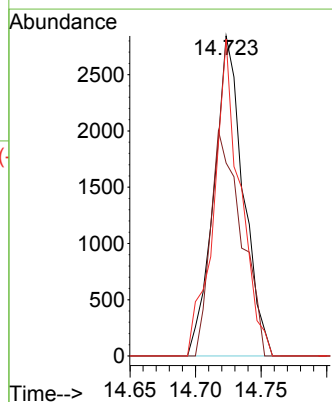
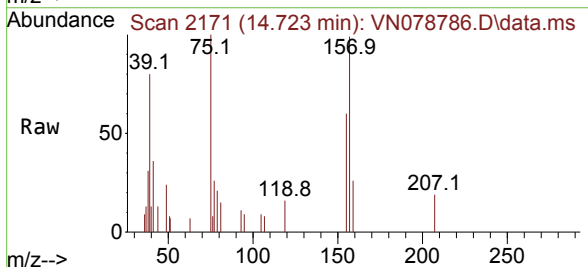
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC010

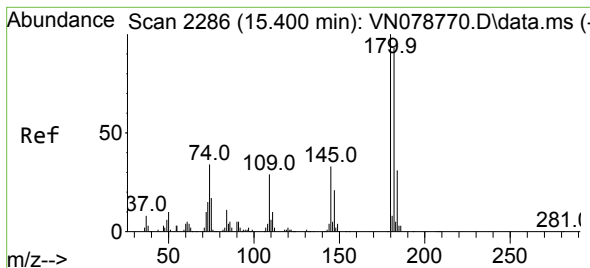
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 27665 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 41.4  | 22.0  | 66.0  |
| 148       | 67.3  | 31.8  | 95.3  |



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 12.485 ug/l  
 RT: 14.723 min Scan# 2171  
 Delta R.T. -0.000 min  
 Lab File: VN078786.D  
 Acq: 07 Aug 2023 20:04

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 4439  |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 73.8  | 39.1  | 117.2 |
| 157       | 89.6  | 50.3  | 150.9 |





#93

1,2,4-Trichlorobenzene

Concen: 9.476 ug/l

RT: 15.400 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN078786.D

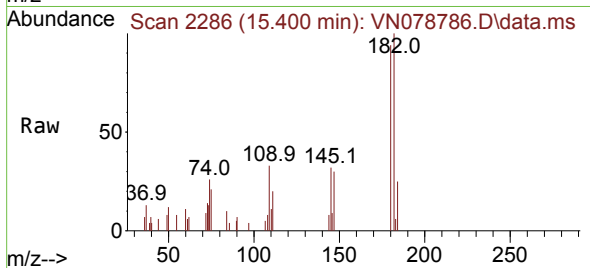
Acq: 07 Aug 2023 20:04

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC010



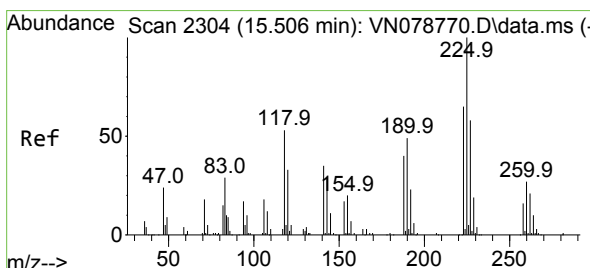
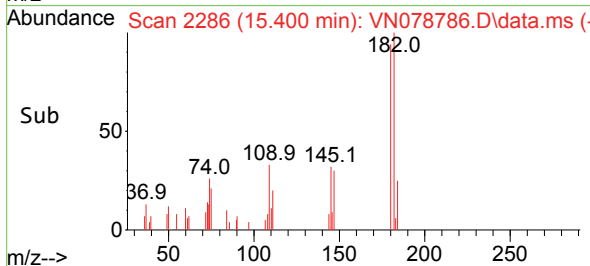
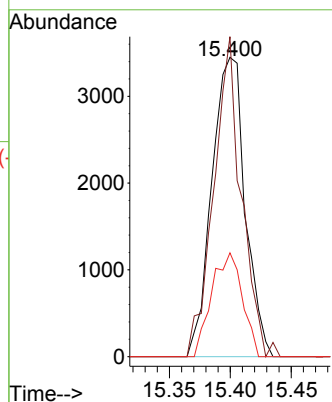
Tgt Ion:180 Resp: 6556

Ion Ratio Lower Upper

180 100

182 88.8 46.1 138.2

145 31.9 16.6 49.8



#94

Hexachlorobutadiene

Concen: 10.992 ug/l

RT: 15.506 min Scan# 2304

Delta R.T. -0.000 min

Lab File: VN078786.D

Acq: 07 Aug 2023 20:04

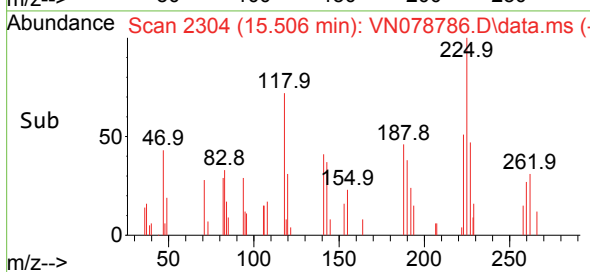
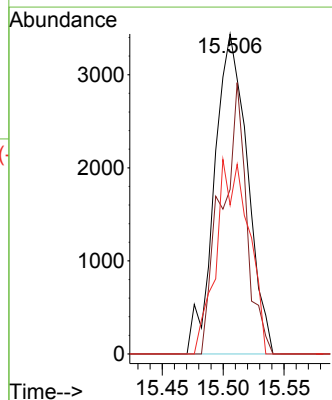
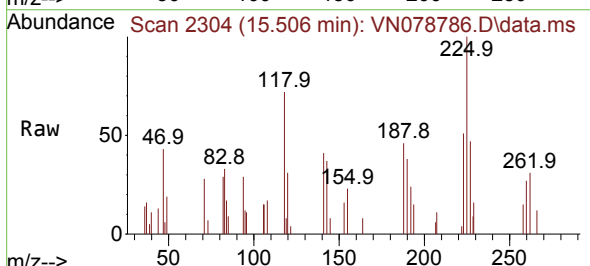
Tgt Ion:225 Resp: 6484

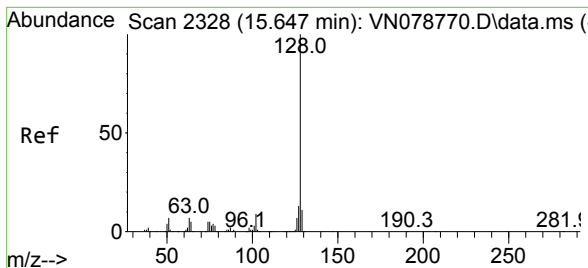
Ion Ratio Lower Upper

225 100

223 64.6 31.3 93.8

227 60.2 31.9 95.9





#95

Naphthalene

Concen: 9.410 ug/l

RT: 15.647 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN078786.D

Acq: 07 Aug 2023 20:04

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC010

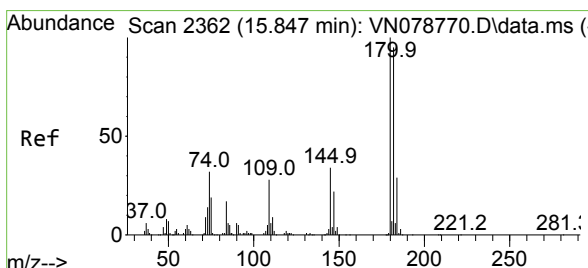
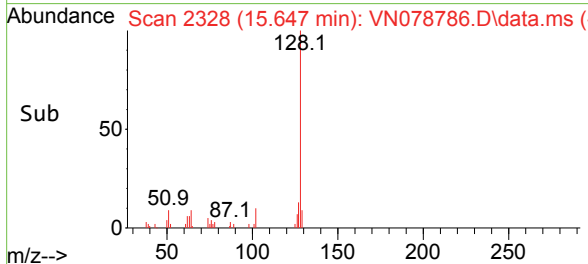
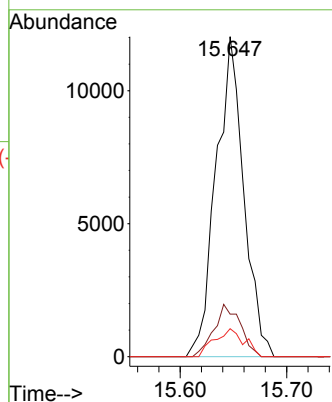
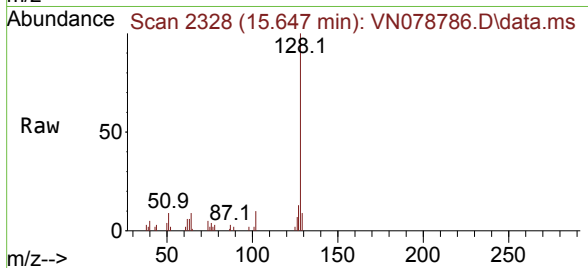
Tgt Ion:128 Resp: 21729

Ion Ratio Lower Upper

128 100

127 15.6 10.0 15.0#

129 9.3 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 10.571 ug/l

RT: 15.847 min Scan# 2362

Delta R.T. -0.000 min

Lab File: VN078786.D

Acq: 07 Aug 2023 20:04

Tgt Ion:180 Resp: 8708

Ion Ratio Lower Upper

180 100

182 92.5 46.2 138.6

145 33.9 17.5 52.6

