

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN122723\  
 Data File : VN080595.D  
 Acq On : 27 Dec 2023 11:48  
 Operator : JC\MD  
 Sample : VSTDICCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC050

Quant Time: Dec 28 02:25:41 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122723W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 28 01:54:24 2023  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 8.229  | 168   | 447260   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.106  | 114   | 794575   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.865 | 117   | 662686   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.794 | 152   | 298927   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.576  | 65    | 326359   | 56.886   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | =      | 113.780% |
| 35) Dibromofluoromethane     | 8.165  | 113   | 250514   | 48.748   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 97.500%  |
| 50) Toluene-d8               | 10.570 | 98    | 967109   | 53.900   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | =      | 107.800% |
| 62) 4-Bromofluorobenzene     | 12.853 | 95    | 339444   | 56.212   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | =      | 112.420% |
| Target Compounds             |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.124  | 85    | 247443   | 49.804   | ug/l   | 99       |
| 3) Chloromethane             | 2.359  | 50    | 291994   | 52.560   | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.512  | 62    | 273536   | 49.474   | ug/l   | 100      |
| 5) Bromomethane              | 2.947  | 94    | 97226    | 46.276   | ug/l   | 94       |
| 6) Chloroethane              | 3.118  | 64    | 169014   | 48.963   | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 3.494  | 101   | 401253   | 50.826   | ug/l   | 99       |
| 8) Diethyl Ether             | 3.959  | 74    | 149031   | 54.970   | ug/l   | 81       |
| 9) 1,1,2-Trichlorotrifluo... | 4.371  | 101   | 217639   | 50.502   | ug/l   | 97       |
| 10) Methyl Iodide            | 4.589  | 142   | 162004   | 54.411   | ug/l   | 99       |
| 11) Tert butyl alcohol       | 5.518  | 59    | 188264   | 243.918  | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 4.336  | 96    | 215756   | 52.196   | ug/l   | 91       |
| 13) Acrolein                 | 4.177  | 56    | 234536   | 268.759  | ug/l   | 96       |
| 14) Allyl chloride           | 5.024  | 41    | 305704   | 48.714   | ug/l   | 94       |
| 15) Acrylonitrile            | 5.718  | 53    | 646316   | 293.598  | ug/l   | 99       |
| 16) Acetone                  | 4.424  | 43    | 405578   | 260.064  | ug/l   | 98       |
| 17) Carbon Disulfide         | 4.712  | 76    | 538329   | 48.429   | ug/l   | 99       |
| 18) Methyl Acetate           | 5.018  | 43    | 454541   | 52.571   | ug/l   | 90       |
| 19) Methyl tert-butyl Ether  | 5.800  | 73    | 828157   | 55.649   | ug/l   | 96       |
| 20) Methylene Chloride       | 5.271  | 84    | 250100   | 50.260   | ug/l   | 91       |
| 21) trans-1,2-Dichloroethene | 5.777  | 96    | 252699   | 50.596   | ug/l # | 79       |
| 22) Diisopropyl ether        | 6.671  | 45    | 821448   | 58.931   | ug/l # | 88       |
| 23) Vinyl Acetate            | 6.600  | 43    | 2196182  | 280.371  | ug/l # | 89       |
| 24) 1,1-Dichloroethane       | 6.571  | 63    | 470887   | 50.400   | ug/l   | 99       |
| 25) 2-Butanone               | 7.482  | 43    | 793622   | 272.271  | ug/l # | 87       |
| 26) 2,2-Dichloropropane      | 7.488  | 77    | 439069   | 53.987   | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 7.488  | 96    | 321433   | 54.109   | ug/l   | 91       |
| 28) Bromochloromethane       | 7.818  | 49    | 207056   | 47.663   | ug/l   | 86       |
| 29) Tetrahydrofuran          | 7.841  | 42    | 505132   | 265.726  | ug/l # | 83       |
| 30) Chloroform               | 7.965  | 83    | 439777   | 46.884   | ug/l   | 96       |
| 31) Cyclohexane              | 8.259  | 56    | 381828   | 49.191   | ug/l   | 90       |
| 32) 1,1,1-Trichloroethane    | 8.165  | 97    | 413590   | 48.900   | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 8.377  | 75    | 370466   | 46.841   | ug/l   | 97       |
| 37) Ethyl Acetate            | 7.559  | 43    | 301413   | 50.506   | ug/l   | 96       |
| 38) Carbon Tetrachloride     | 8.365  | 117   | 372668   | 46.059   | ug/l   | 96       |
| 39) Methylcyclohexane        | 9.606  | 83    | 376702   | 58.071   | ug/l # | 90       |
| 40) Benzene                  | 8.606  | 78    | 1171582  | 50.793   | ug/l   | 100      |

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 Sample : VSTDICCC050  
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 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC050

Quant Time: Dec 28 02:25:41 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122723W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 28 01:54:24 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.777  | 41   | 165671   | 45.576   | ug/l   | 89       |
| 42) 1,2-Dichloroethane        | 8.671  | 62   | 368289   | 50.257   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.694  | 43   | 534228   | 55.229   | ug/l   | 98       |
| 44) Trichloroethene           | 9.353  | 130  | 292982   | 49.626   | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 9.623  | 63   | 308311   | 57.359   | ug/l   | 98       |
| 46) Dibromomethane            | 9.712  | 93   | 193899   | 53.616   | ug/l   | 90       |
| 47) Bromodichloromethane      | 9.888  | 83   | 374796   | 49.442   | ug/l   | 94       |
| 48) Methyl methacrylate       | 9.682  | 41   | 312209   | 58.130   | ug/l # | 83       |
| 49) 1,4-Dioxane               | 9.694  | 88   | 91141    | 1061.685 | ug/l # | 87       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 1501572  | 272.931  | ug/l   | 94       |
| 52) Toluene                   | 10.629 | 92   | 653647   | 51.979   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 405380   | 53.044   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 443708   | 51.876   | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 259822   | 52.088   | ug/l   | 99       |
| 56) Ethyl methacrylate        | 10.876 | 69   | 282443   | 57.807   | ug/l # | 88       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 440847   | 52.161   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.165 | 63   | 1053987  | 305.470  | ug/l   | 94       |
| 59) 2-Hexanone                | 11.194 | 43   | 1120450  | 270.211  | ug/l   | 95       |
| 60) Dibromochloromethane      | 11.359 | 129  | 288341   | 51.911   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.470 | 107  | 260043   | 51.704   | ug/l   | 98       |
| 64) Tetrachloroethene         | 11.106 | 164  | 220047   | 49.693   | ug/l   | 97       |
| 65) Chlorobenzene             | 11.894 | 112  | 685419   | 49.719   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.964 | 131  | 267777   | 50.497   | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.964 | 91   | 1200656  | 52.095   | ug/l   | 99       |
| 68) m/p-Xylenes               | 12.070 | 106  | 918055   | 107.354  | ug/l   | 98       |
| 69) o-Xylene                  | 12.400 | 106  | 446345   | 53.143   | ug/l   | 98       |
| 70) Styrene                   | 12.412 | 104  | 668251   | 54.713   | ug/l   | 99       |
| 71) Bromoform                 | 12.582 | 173  | 190048   | 50.663   | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.700 | 105  | 1120290  | 54.756   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.494 | 43   | 410327   | 56.848   | ug/l   | 94       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 348919   | 49.418   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 463133   | 72.033   | ug/l   | 69       |
| 77) Bromobenzene              | 12.982 | 156  | 280465   | 51.613   | ug/l   | 97       |
| 78) n-propylbenzene           | 13.035 | 91   | 1271700  | 54.353   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 13.129 | 91   | 787804   | 51.577   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 926417   | 53.625   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 130607   | 55.025   | ug/l   | 92       |
| 82) 4-Chlorotoluene           | 13.223 | 91   | 803556   | 51.442   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.441 | 119  | 768722   | 53.240   | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 942105   | 53.857   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.617 | 105  | 1031233  | 53.971   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 911683   | 50.087   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 487053   | 49.733   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.811 | 146  | 482412   | 49.003   | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.058 | 91   | 780002   | 54.623   | ug/l   | 100      |
| 90) Hexachloroethane          | 14.335 | 117  | 150503   | 50.460   | ug/l   | 84       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 463630   | 49.049   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.723 | 75   | 68639    | 47.102   | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 261702   | 52.475   | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.505 | 225  | 119769   | 46.536   | ug/l   | 98       |
| 95) Naphthalene               | 15.641 | 128  | 863861   | 55.656   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 254178   | 50.415   | ug/l   | 98       |

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Sample : VSTDICCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

Quant Time: Dec 28 02:25:41 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122723W.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 28 01:54:24 2023  
Response via : Initial Calibration

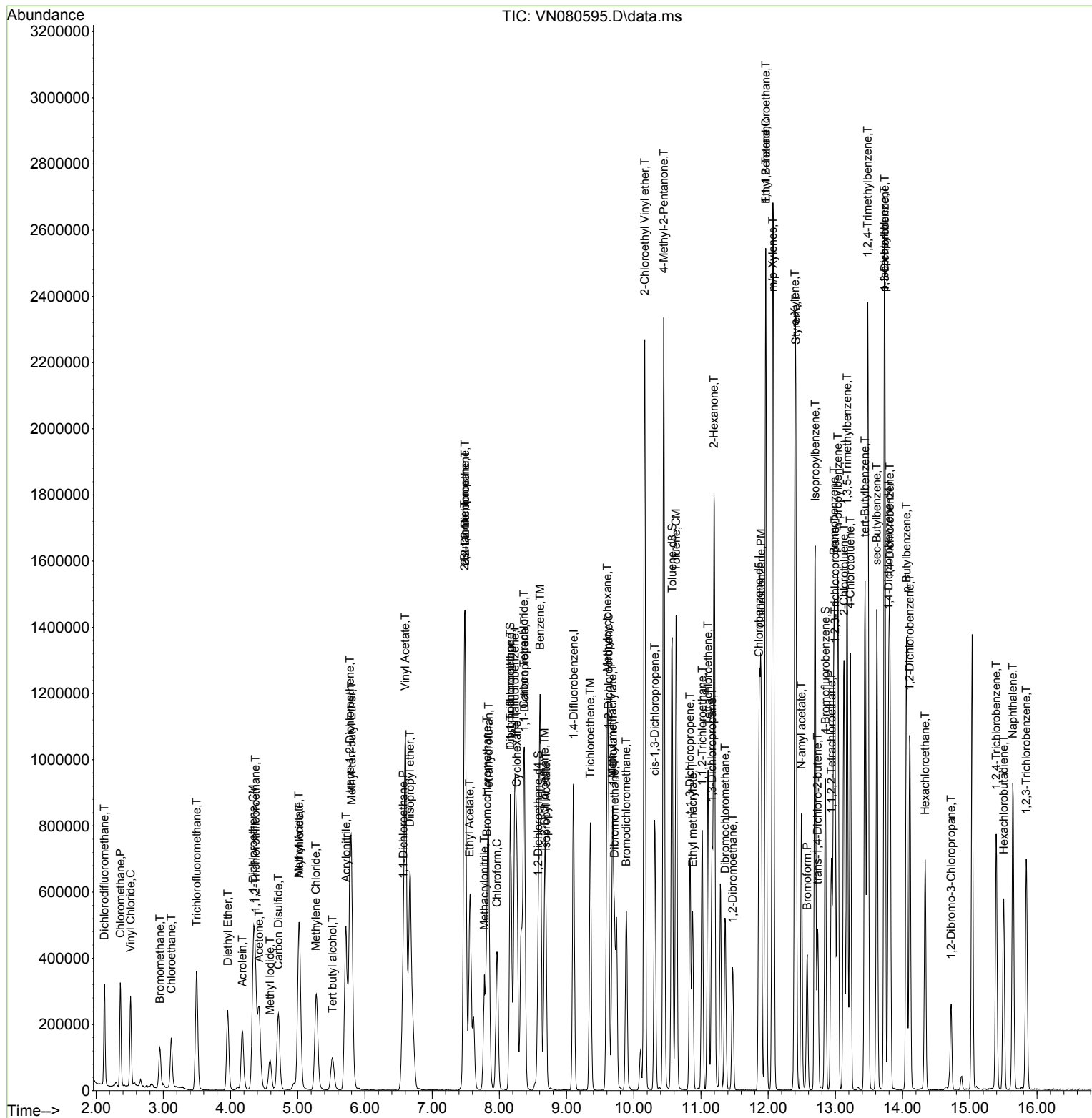
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

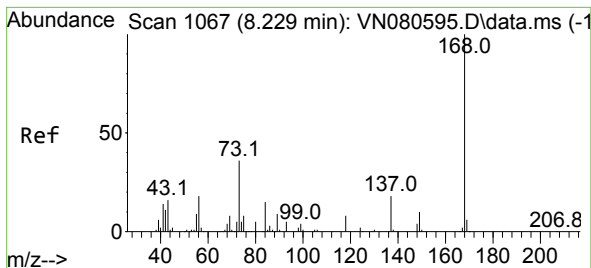
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 Sample : VSTDICCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. 0.000 min

Lab File: VN080595.D

Acq: 27 Dec 2023 11:48

Instrument :

MSVOA\_N

ClientSampleId :

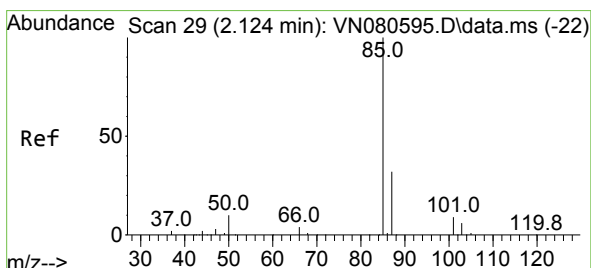
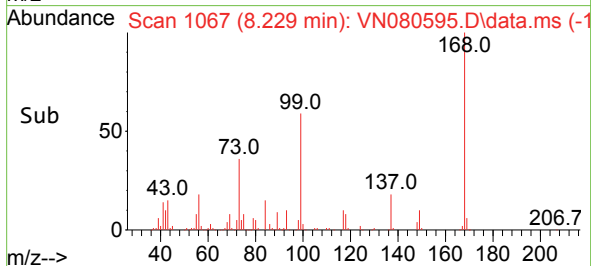
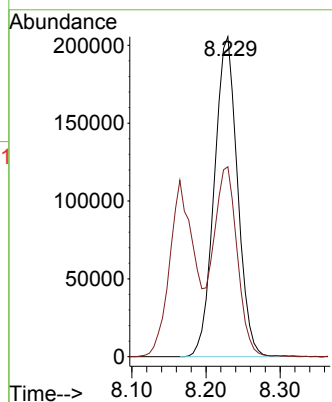
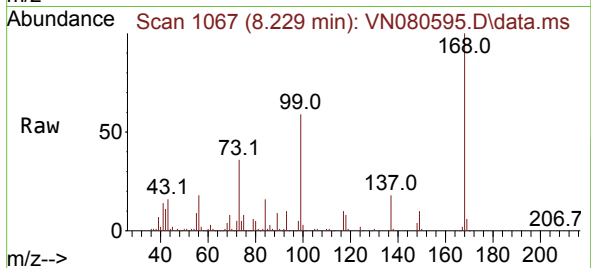
VSTDICCC050

Tgt Ion:168 Resp: 447260

Ion Ratio Lower Upper

168 100

99 59.1 53.0 79.6



#2

Dichlorodifluoromethane

Concen: 49.804 ug/l

RT: 2.124 min Scan# 29

Delta R.T. -0.000 min

Lab File: VN080595.D

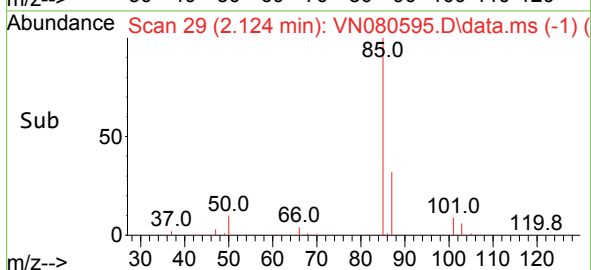
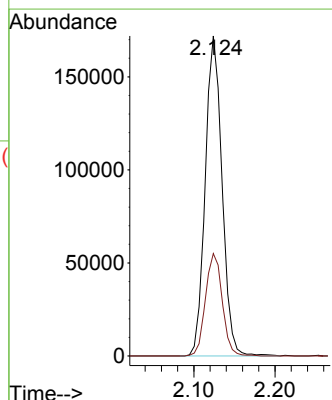
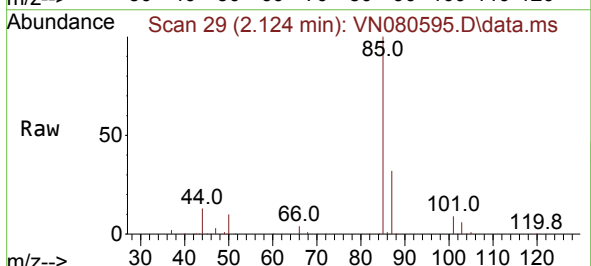
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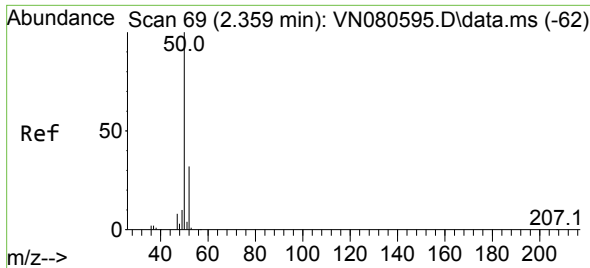
Tgt Ion: 85 Resp: 247443

Ion Ratio Lower Upper

85 100

87 32.0 15.8 47.4

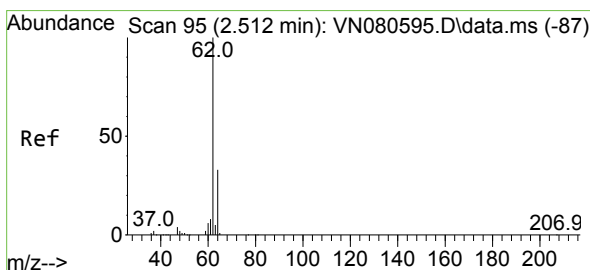
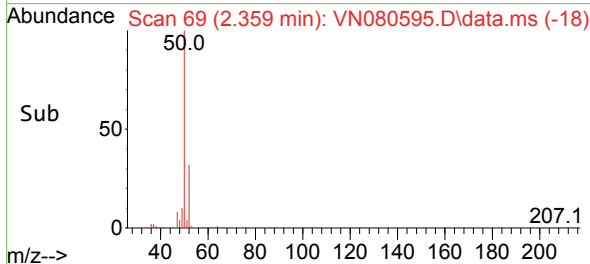
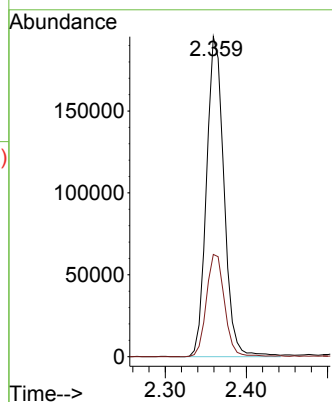
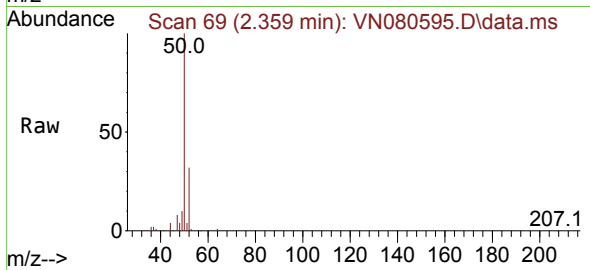




#3  
Chloromethane  
Concen: 52.560 ug/l  
RT: 2.359 min Scan# 69  
Delta R.T. 0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

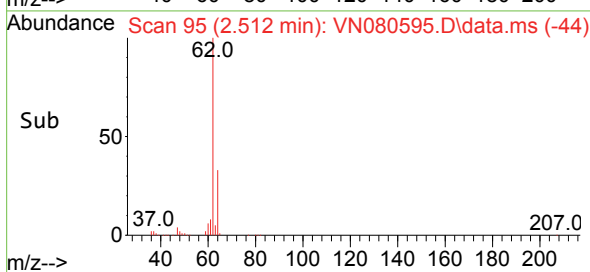
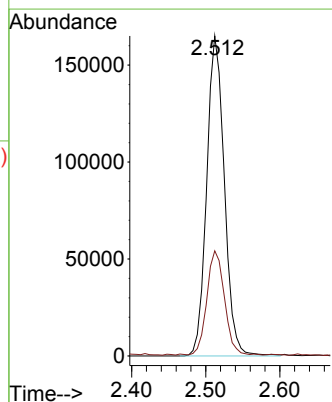
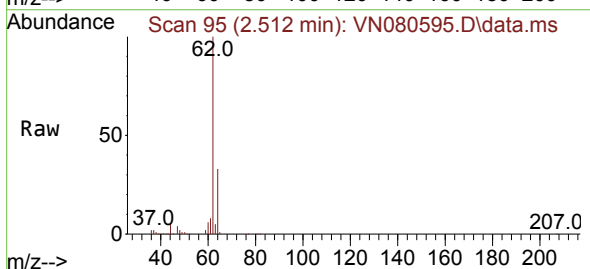
Instrument :  
MSVOA\_N  
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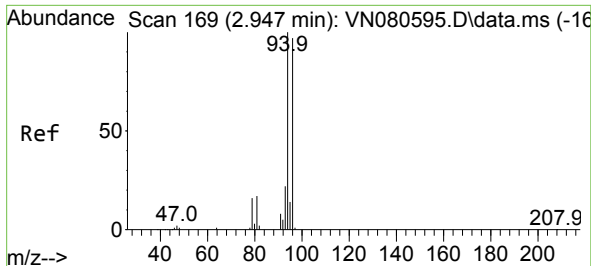
Tgt Ion: 50 Resp: 291994  
Ion Ratio Lower Upper  
50 100  
52 32.0 26.5 39.7



#4  
Vinyl Chloride  
Concen: 49.474 ug/l  
RT: 2.512 min Scan# 95  
Delta R.T. 0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

Tgt Ion: 62 Resp: 273536  
Ion Ratio Lower Upper  
62 100  
64 32.5 26.2 39.2

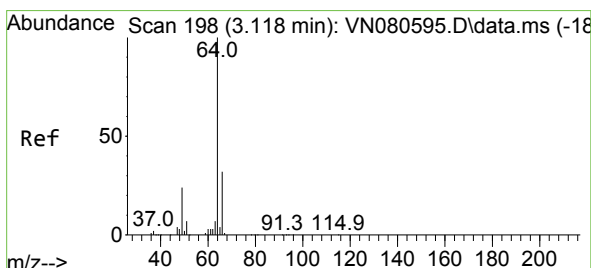
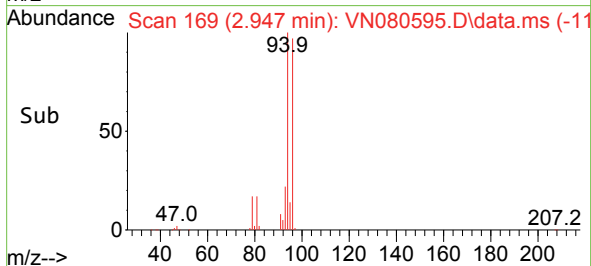
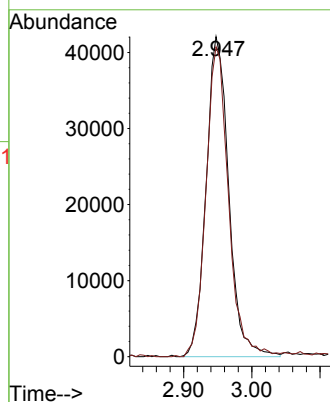
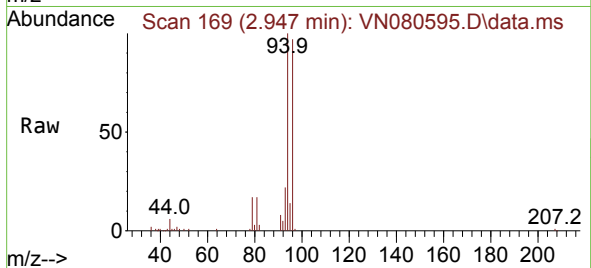




#5  
Bromomethane  
Concen: 46.276 ug/l  
RT: 2.947 min Scan# 169  
Delta R.T. 0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

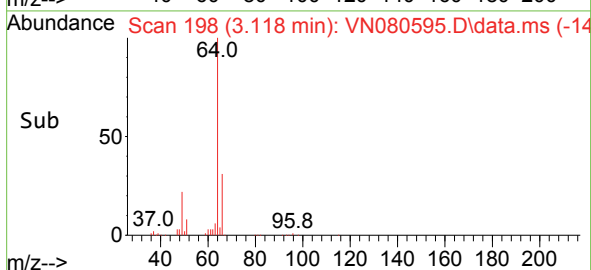
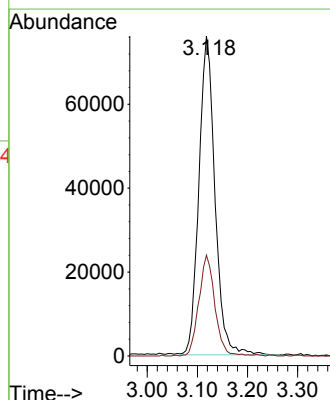
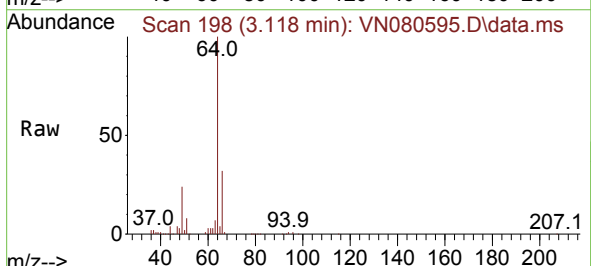
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

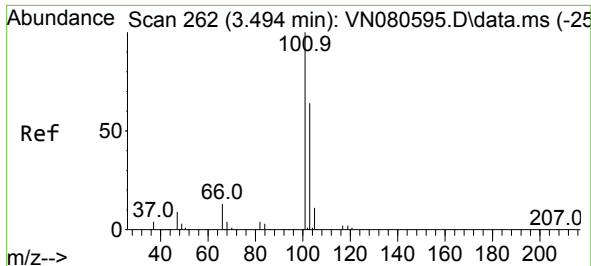
Tgt Ion: 94 Resp: 97226  
Ion Ratio Lower Upper  
94 100  
96 96.9 73.1 109.7



#6  
Chloroethane  
Concen: 48.963 ug/l  
RT: 3.118 min Scan# 198  
Delta R.T. 0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

Tgt Ion: 64 Resp: 169014  
Ion Ratio Lower Upper  
64 100  
66 31.6 25.4 38.2

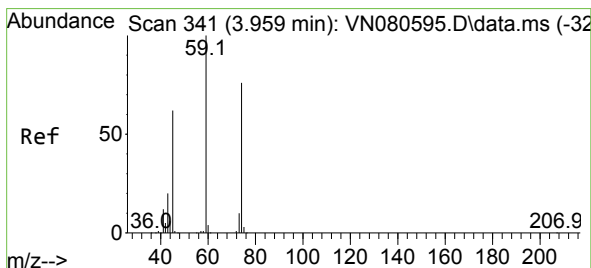
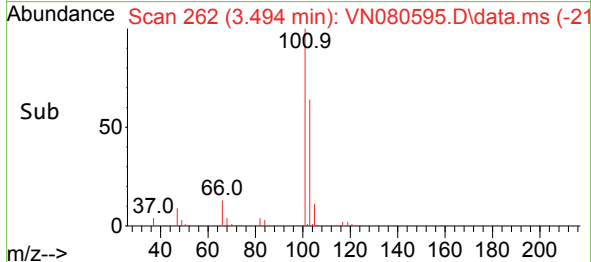
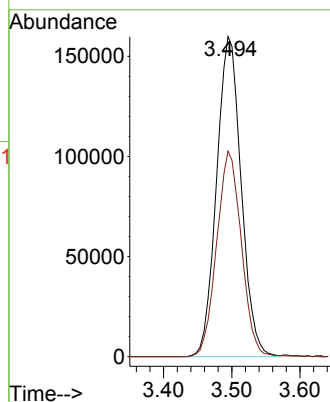
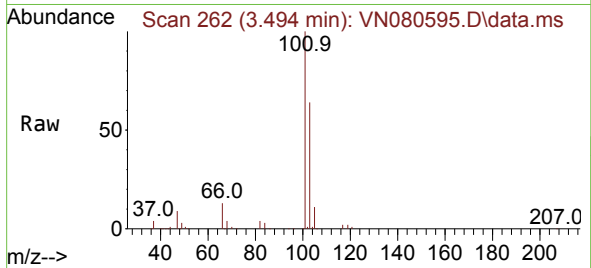




#7  
Trichlorofluoromethane  
Concen: 50.826 ug/l  
RT: 3.494 min Scan# 262  
Delta R.T. 0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

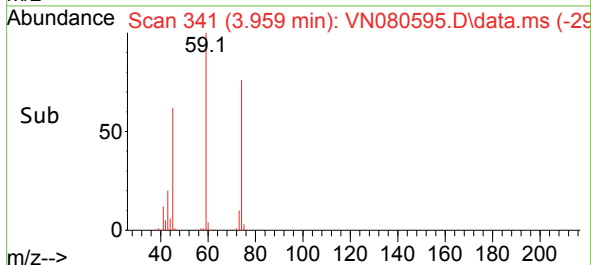
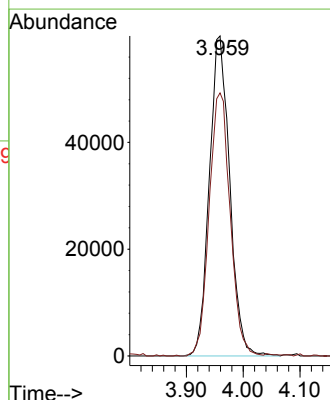
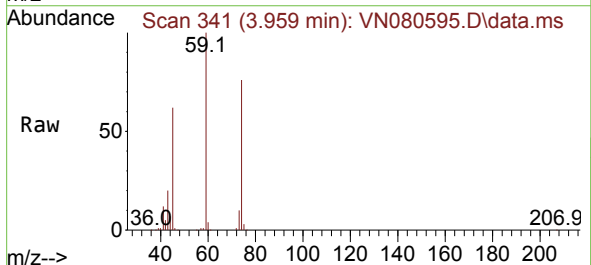
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

Tgt Ion:101 Resp: 401253  
Ion Ratio Lower Upper  
101 100  
103 64.2 50.7 76.1

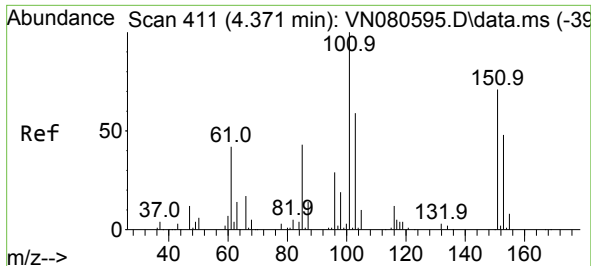


#8  
Diethyl Ether  
Concen: 54.970 ug/l  
RT: 3.959 min Scan# 341  
Delta R.T. 0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

Tgt Ion: 74 Resp: 149031  
Ion Ratio Lower Upper  
74 100  
45 84.7 34.4 103.3



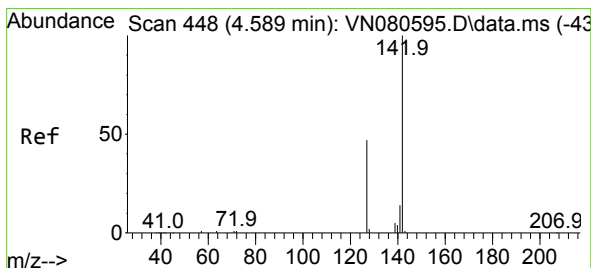
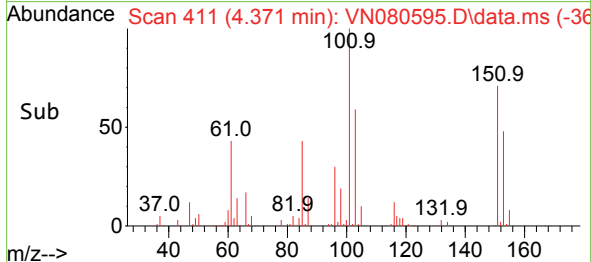
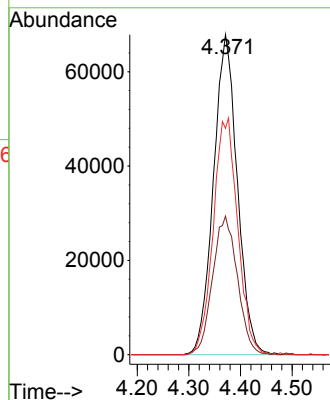
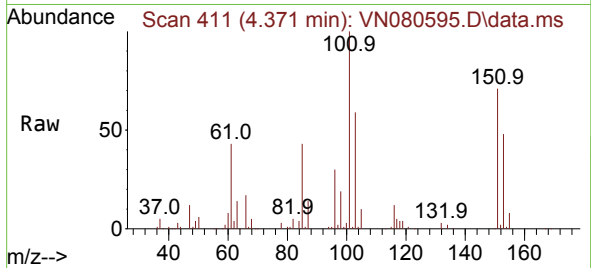




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 50.502 ug/l  
RT: 4.371 min Scan# 411  
Delta R.T. 0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

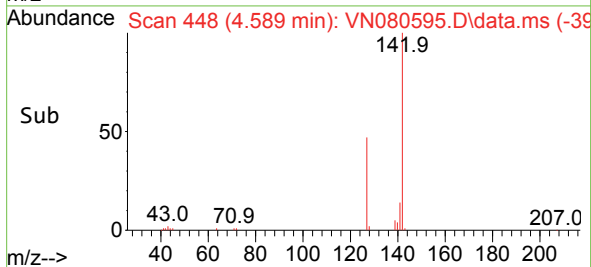
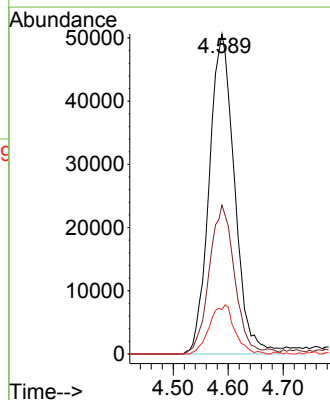
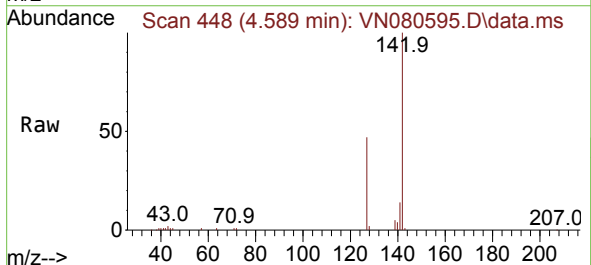
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

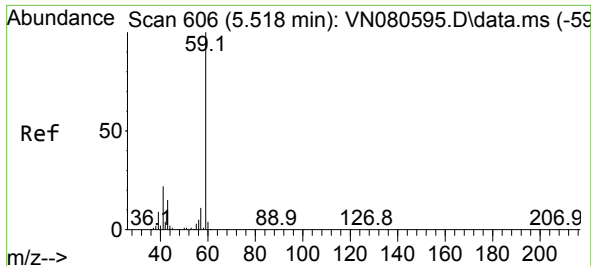
Tgt Ion:101 Resp: 217639  
Ion Ratio Lower Upper  
101 100  
85 45.0 36.6 55.0  
151 76.0 57.6 86.4



#10  
Methyl Iodide  
Concen: 54.411 ug/l  
RT: 4.589 min Scan# 448  
Delta R.T. -0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

Tgt Ion:142 Resp: 162004  
Ion Ratio Lower Upper  
142 100  
127 46.5 37.6 56.4  
141 13.9 11.4 17.0

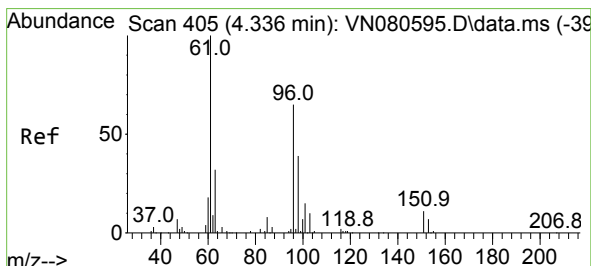
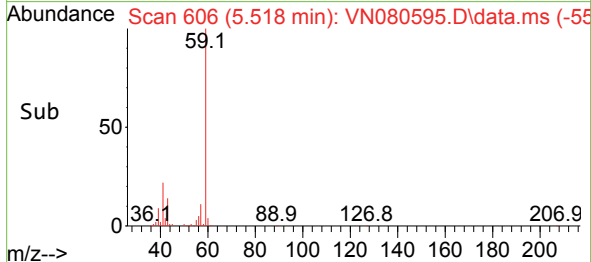
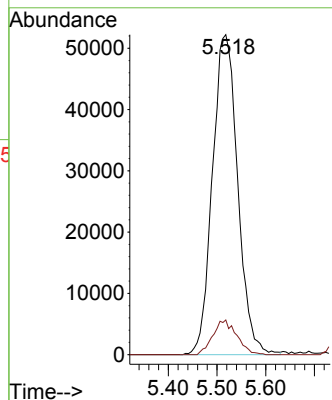
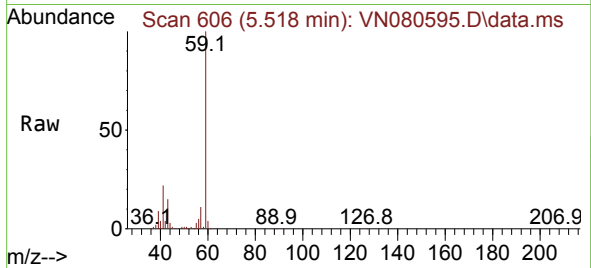




#11  
Tert butyl alcohol  
Concen: 243.918 ug/l  
RT: 5.518 min Scan# 606  
Delta R.T. 0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

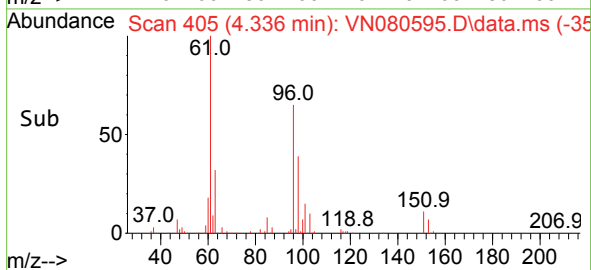
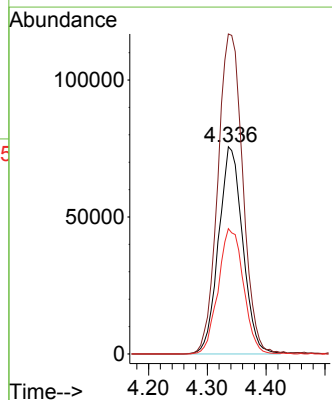
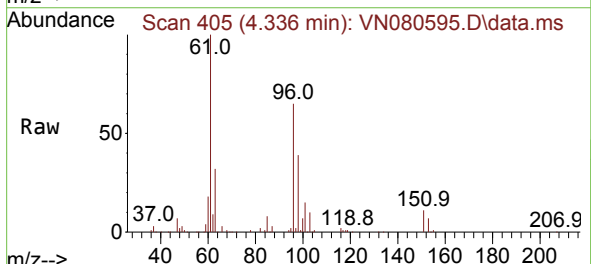
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

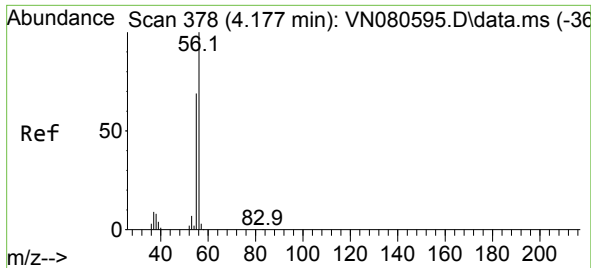
Tgt Ion: 59 Resp: 188264  
Ion Ratio Lower Upper  
59 100  
57 10.2 8.2 12.4



#12  
1,1-Dichloroethene  
Concen: 52.196 ug/l  
RT: 4.336 min Scan# 405  
Delta R.T. 0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

Tgt Ion: 96 Resp: 215756  
Ion Ratio Lower Upper  
96 100  
61 154.4 112.7 169.1  
98 60.5 51.2 76.8





#13

Acrolein

Concen: 268.759 ug/l

RT: 4.177 min Scan# 378

Delta R.T. 0.000 min

Lab File: VN080595.D

Acq: 27 Dec 2023 11:48

Instrument :

MSVOA\_N

ClientSampleId :

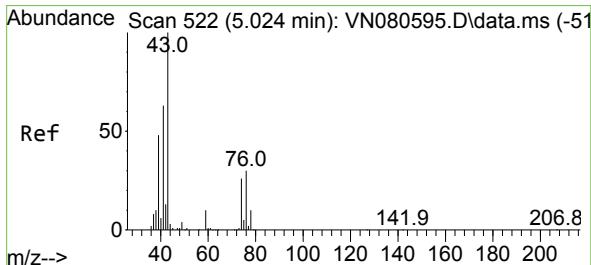
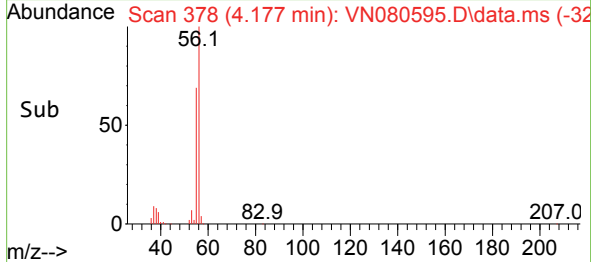
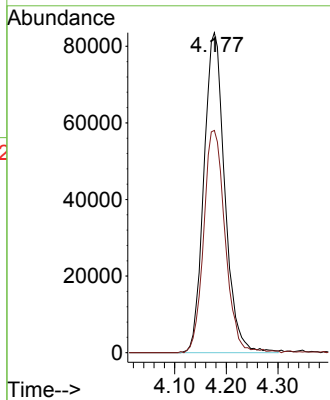
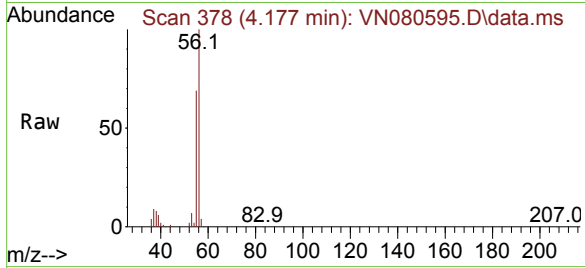
VSTDICCC050

Tgt Ion: 56 Resp: 234536

Ion Ratio Lower Upper

56 100

55 71.2 54.5 81.7



#14

Allyl chloride

Concen: 48.714 ug/l

RT: 5.024 min Scan# 522

Delta R.T. 0.000 min

Lab File: VN080595.D

Acq: 27 Dec 2023 11:48

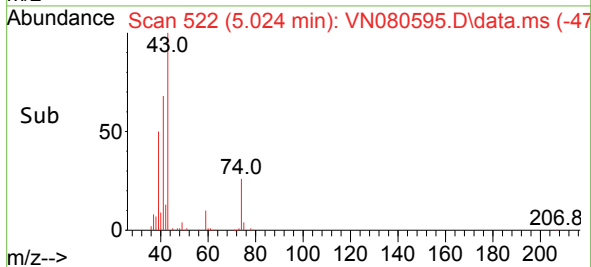
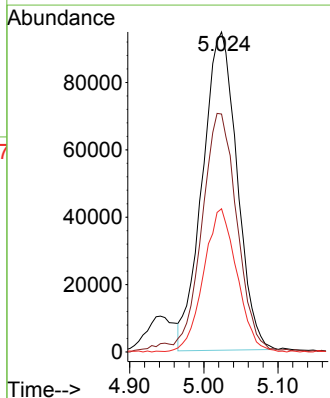
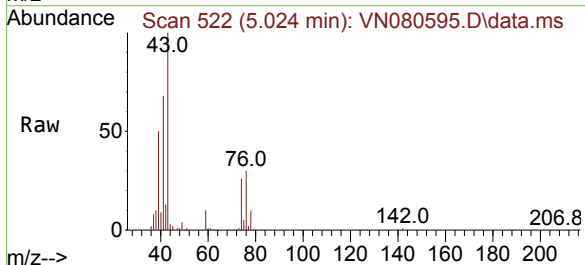
Tgt Ion: 41 Resp: 305704

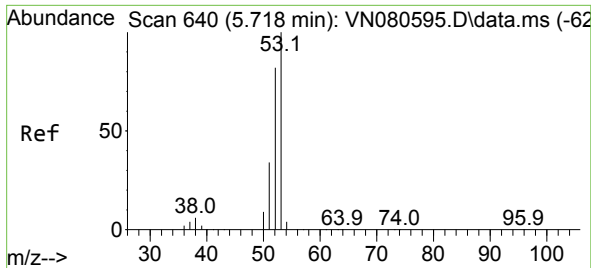
Ion Ratio Lower Upper

41 100

39 78.0 58.8 88.2

76 43.6 39.1 58.7

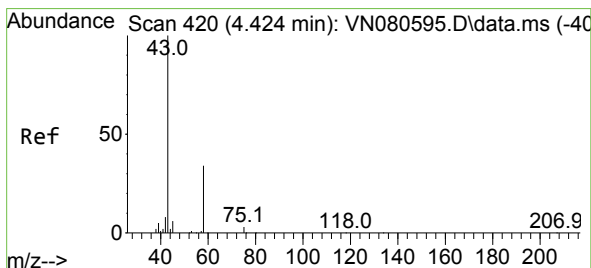
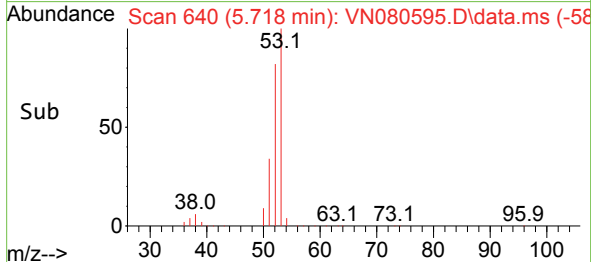
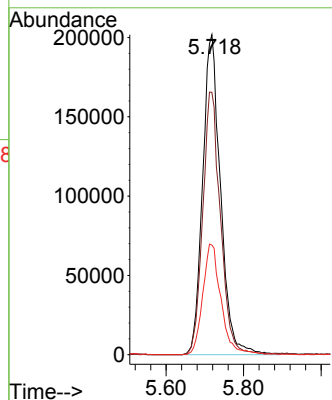
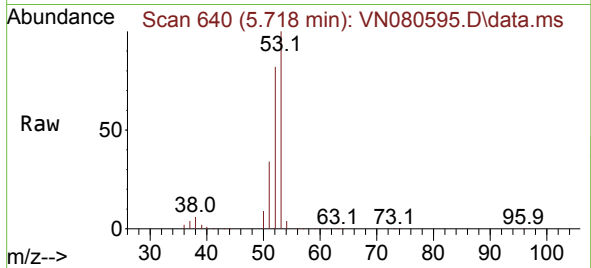




#15  
Acrylonitrile  
Concen: 293.598 ug/l  
RT: 5.718 min Scan# 640  
Delta R.T. 0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

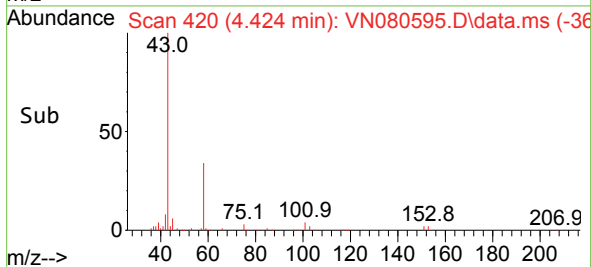
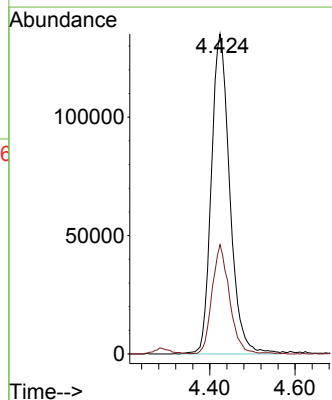
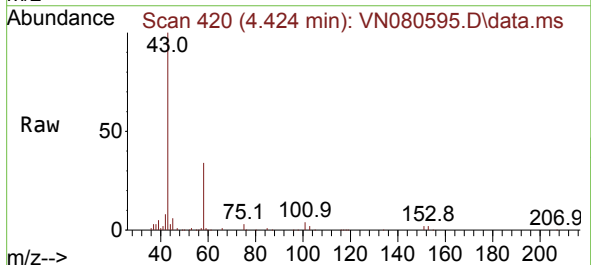
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

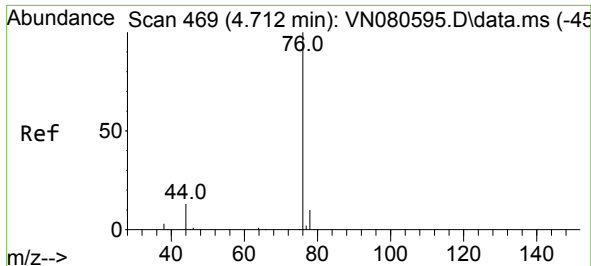
Tgt Ion: 53 Resp: 646316  
Ion Ratio Lower Upper  
53 100  
52 81.2 65.3 97.9  
51 35.3 28.9 43.3



#16  
Acetone  
Concen: 260.064 ug/l  
RT: 4.424 min Scan# 420  
Delta R.T. 0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

Tgt Ion: 43 Resp: 405578  
Ion Ratio Lower Upper  
43 100  
58 34.1 28.0 42.0

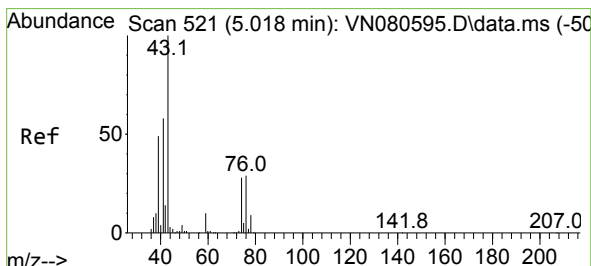
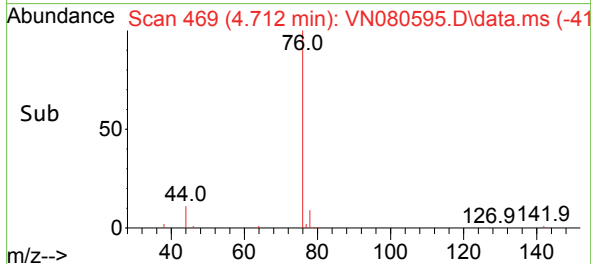
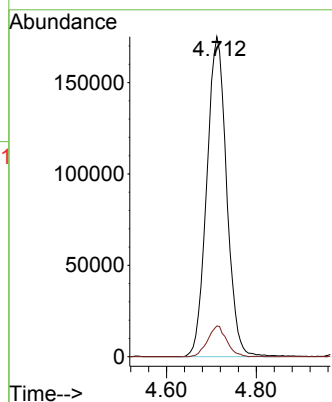
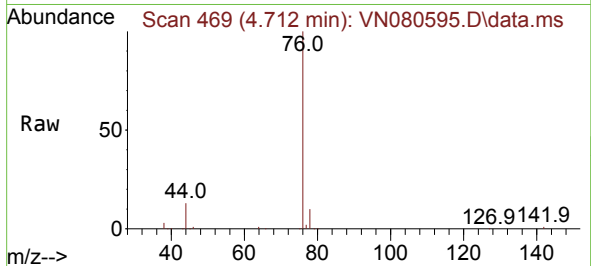




#17  
Carbon Disulfide  
Concen: 48.429 ug/l  
RT: 4.712 min Scan# 469  
Delta R.T. 0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

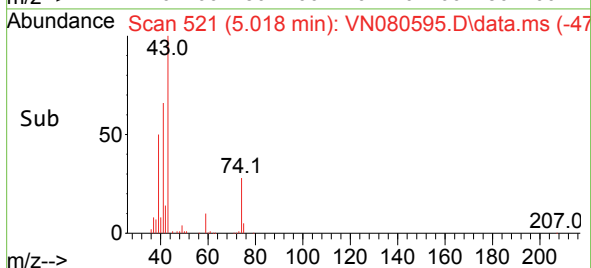
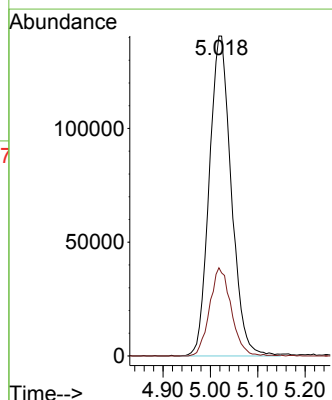
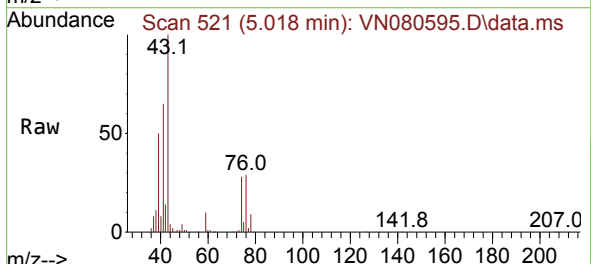
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

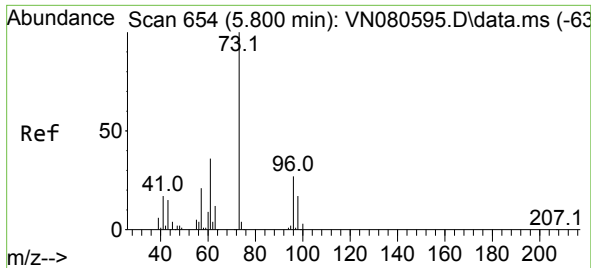
Tgt Ion: 76 Resp: 538329  
Ion Ratio Lower Upper  
76 100  
78 9.6 7.4 11.0



#18  
Methyl Acetate  
Concen: 52.571 ug/l  
RT: 5.018 min Scan# 521  
Delta R.T. 0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

Tgt Ion: 43 Resp: 454541  
Ion Ratio Lower Upper  
43 100  
74 27.0 26.2 39.4

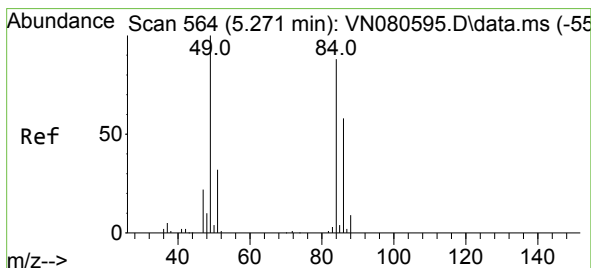
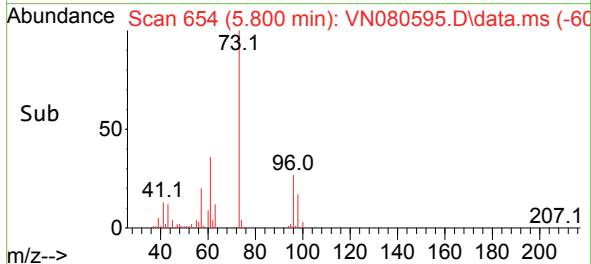
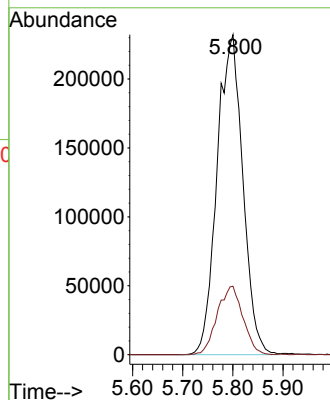
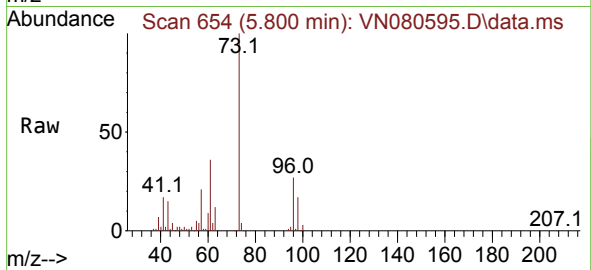




#19  
Methyl tert-butyl Ether  
Concen: 55.649 ug/l  
RT: 5.800 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

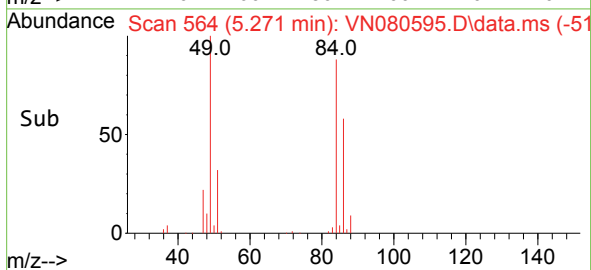
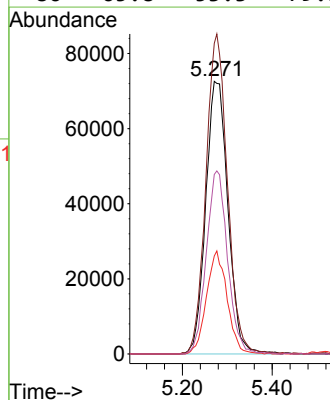
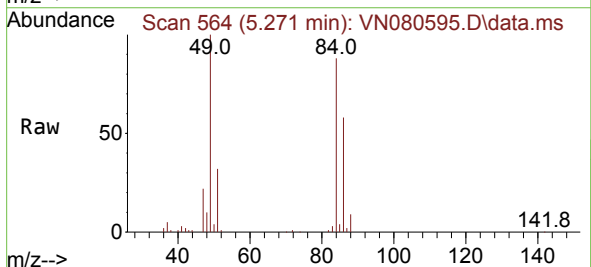
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

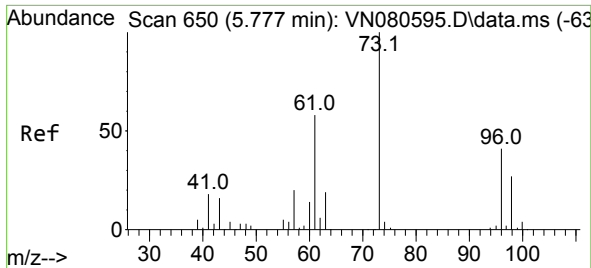
Tgt Ion: 73 Resp: 828157  
Ion Ratio Lower Upper  
73 100  
57 21.4 15.6 23.4



#20  
Methylene Chloride  
Concen: 50.260 ug/l  
RT: 5.271 min Scan# 564  
Delta R.T. 0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

Tgt Ion: 84 Resp: 250100  
Ion Ratio Lower Upper  
84 100  
49 113.9 79.7 119.5  
51 35.9 25.2 37.8  
86 65.8 53.3 79.9

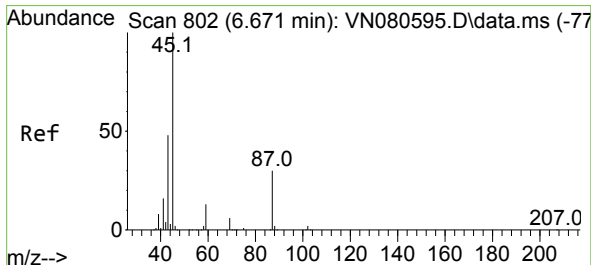
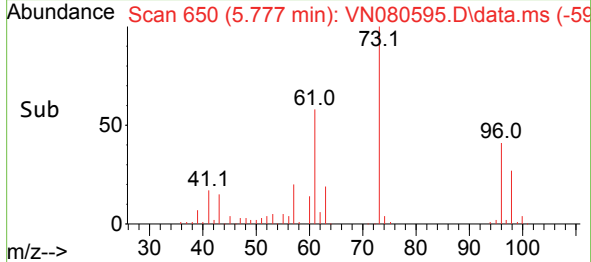
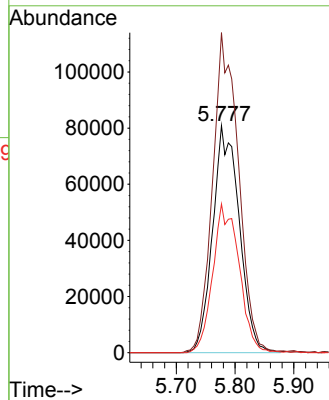
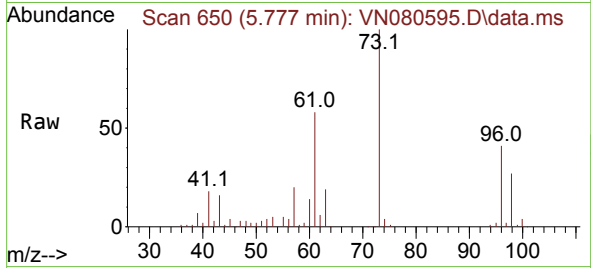




#21  
trans-1,2-Dichloroethene  
Concen: 50.596 ug/l  
RT: 5.777 min Scan# 610  
Delta R.T. 0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

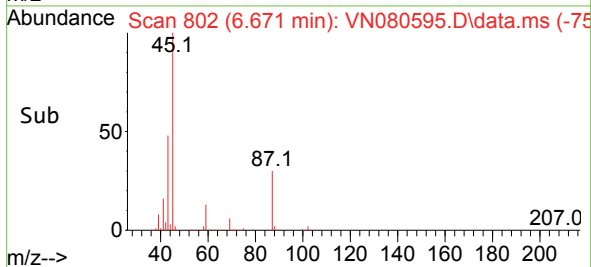
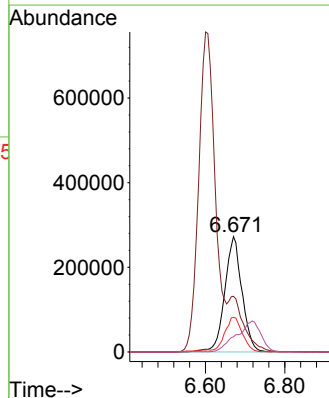
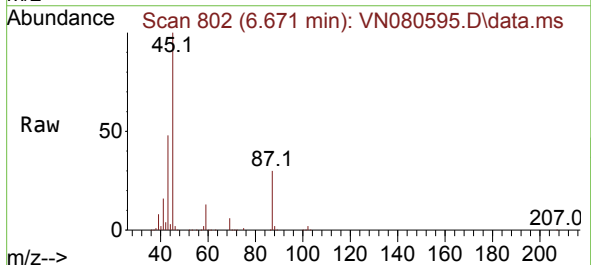
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

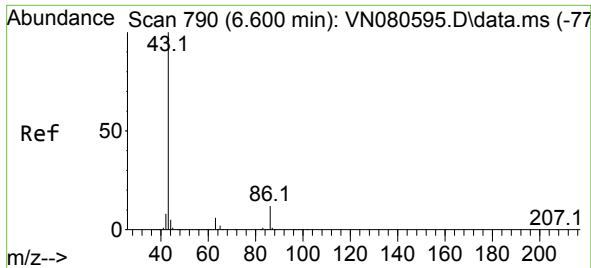
Tgt Ion: 96 Resp: 252699  
Ion Ratio Lower Upper  
96 100  
61 140.9 90.1 135.1#  
98 65.5 46.4 69.6



#22  
Diisopropyl ether  
Concen: 58.931 ug/l  
RT: 6.671 min Scan# 802  
Delta R.T. 0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

Tgt Ion: 45 Resp: 821448  
Ion Ratio Lower Upper  
45 100  
43 48.0 45.5 68.3  
87 30.0 31.8 47.8#  
59 13.0 11.6 17.4

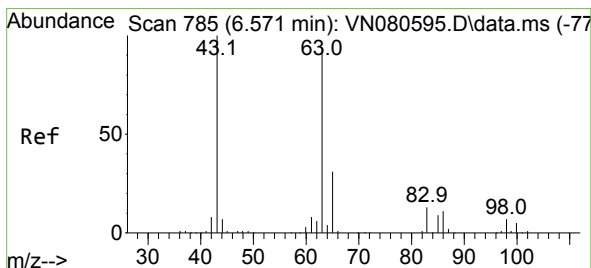
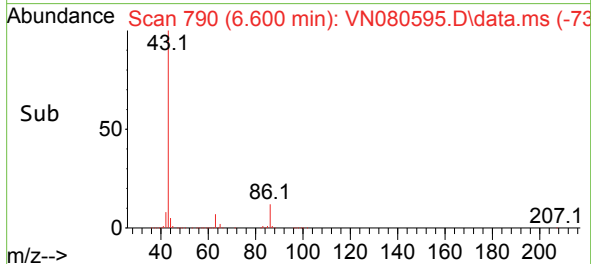
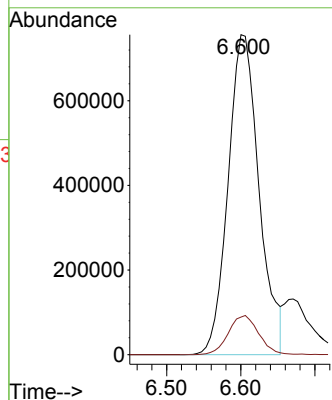
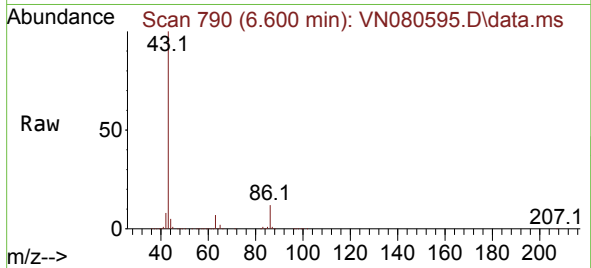




#23  
 Vinyl Acetate  
 Concen: 280.371 ug/l  
 RT: 6.600 min Scan# 790  
 Delta R.T. 0.000 min  
 Lab File: VN080595.D  
 Acq: 27 Dec 2023 11:48

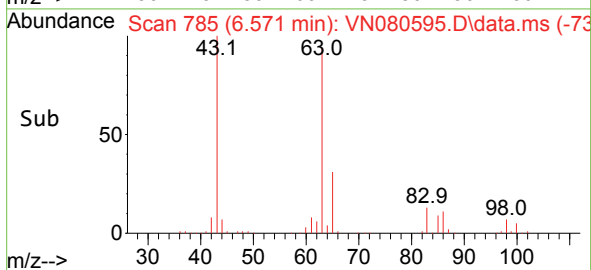
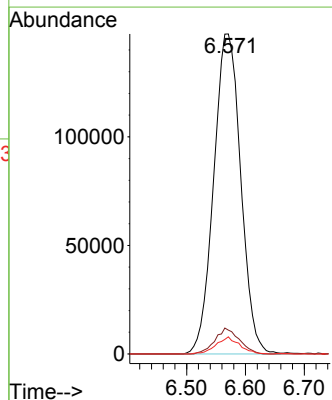
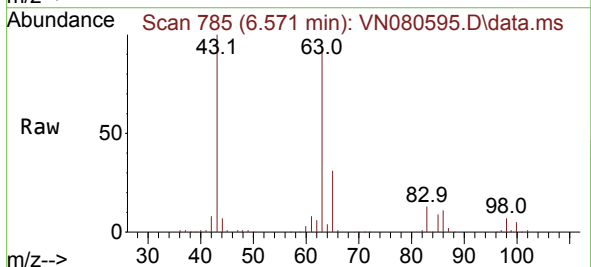
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC050

Tgt Ion: 43 Resp: 2196182  
 Ion Ratio Lower Upper  
 43 100  
 86 11.7 13.0 19.6#

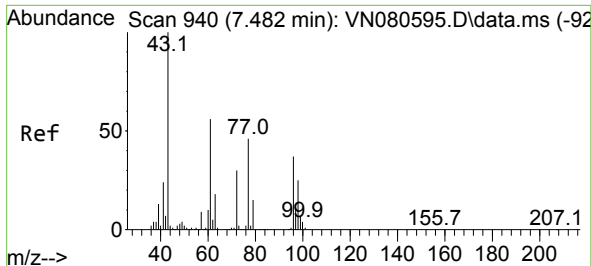


#24  
 1,1-Dichloroethane  
 Concen: 50.400 ug/l  
 RT: 6.571 min Scan# 785  
 Delta R.T. 0.000 min  
 Lab File: VN080595.D  
 Acq: 27 Dec 2023 11:48

Tgt Ion: 63 Resp: 470887  
 Ion Ratio Lower Upper  
 63 100  
 98 7.4 3.9 11.7  
 100 5.4 2.5 7.4



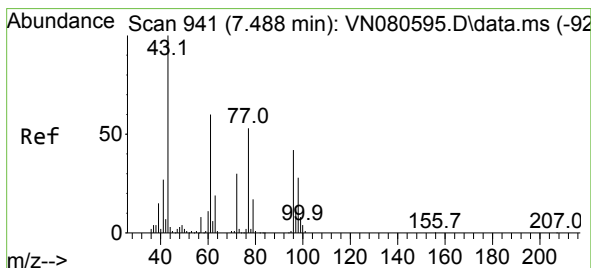
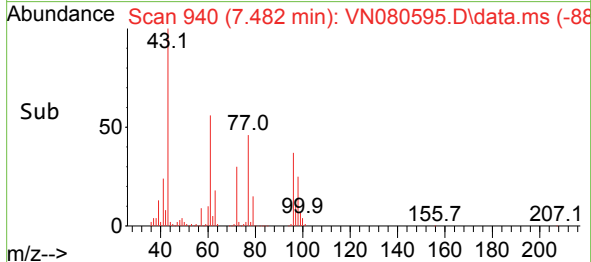
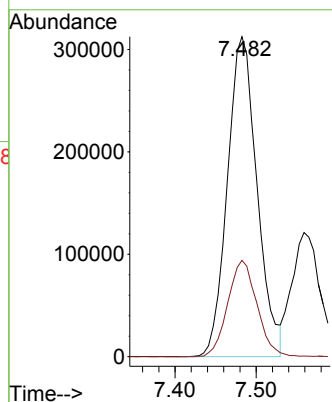
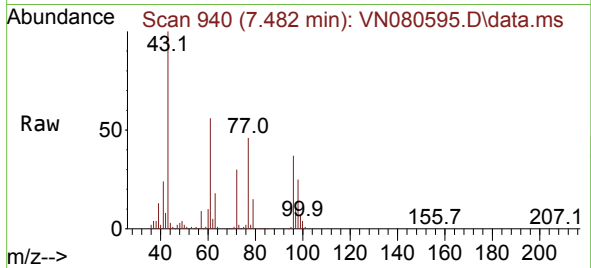




#25  
2-Butanone  
Concen: 272.271 ug/l  
RT: 7.482 min Scan# 940  
Delta R.T. 0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

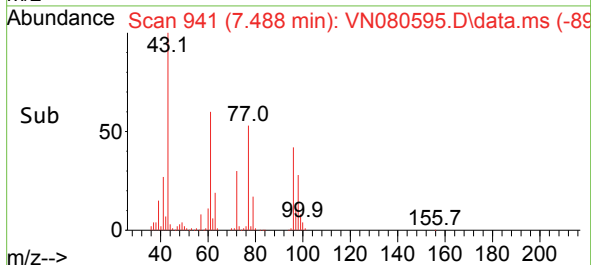
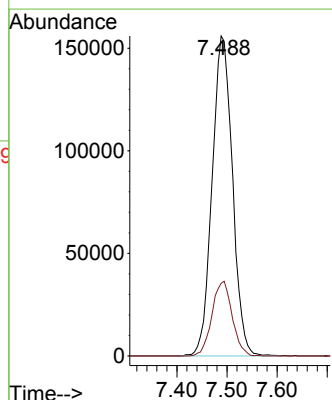
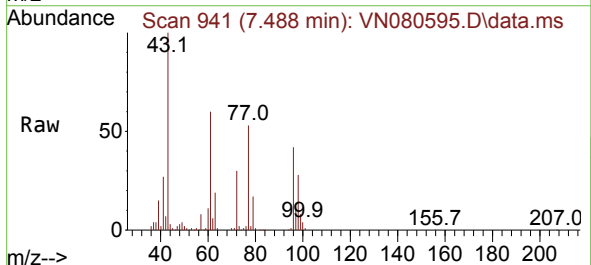
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

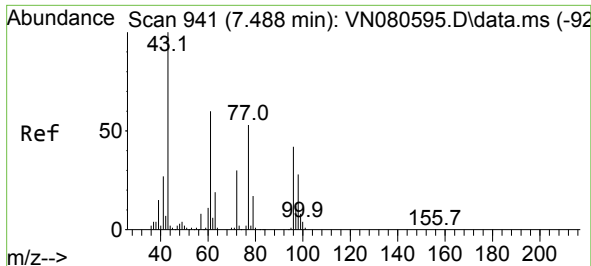
Tgt Ion: 43 Resp: 793622  
Ion Ratio Lower Upper  
43 100  
72 30.1 30.2 45.2#



#26  
2,2-Dichloropropane  
Concen: 53.987 ug/l  
RT: 7.488 min Scan# 941  
Delta R.T. 0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

Tgt Ion: 77 Resp: 439069  
Ion Ratio Lower Upper  
77 100  
97 23.2 11.2 33.6

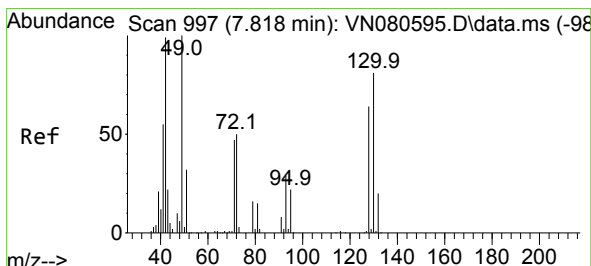
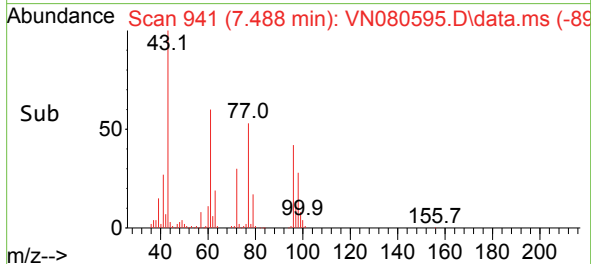
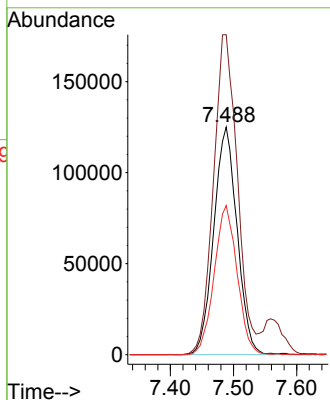
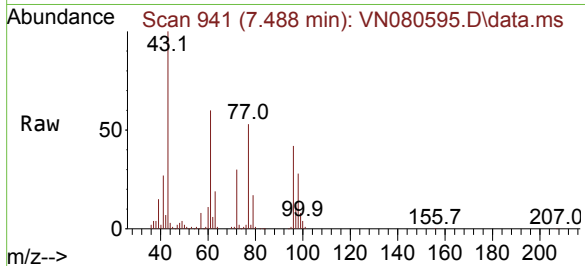




#27  
 cis-1,2-Dichloroethene  
 Concen: 54.109 ug/l  
 RT: 7.488 min Scan# 941  
 Delta R.T. 0.000 min  
 Lab File: VN080595.D  
 Acq: 27 Dec 2023 11:48

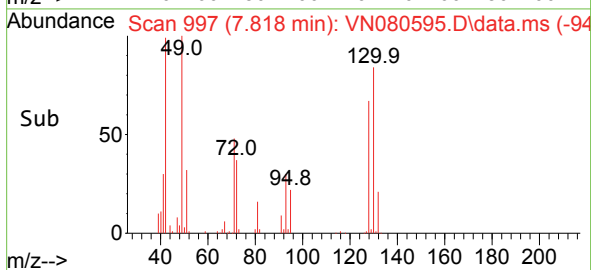
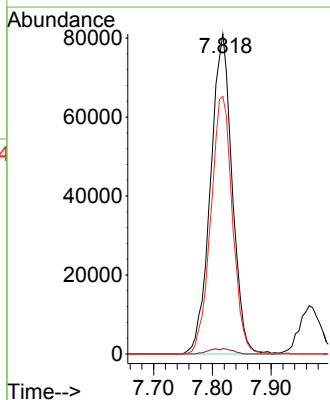
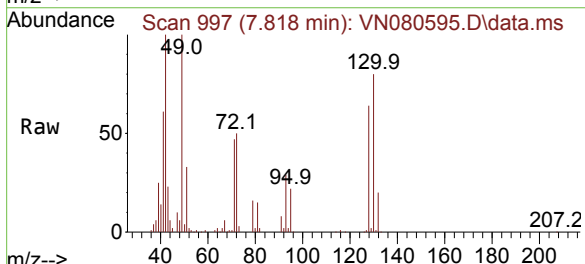
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC050

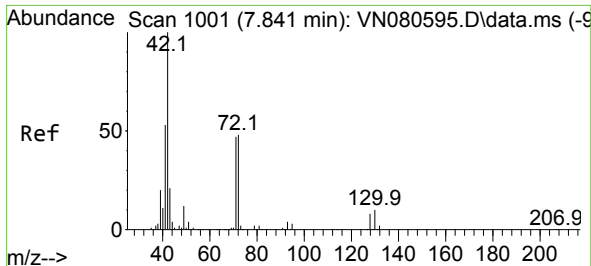
Tgt Ion: 96 Resp: 321433  
 Ion Ratio Lower Upper  
 96 100  
 61 143.6 0.0 255.2  
 98 64.6 0.0 128.8



#28  
 Bromochloromethane  
 Concen: 47.663 ug/l  
 RT: 7.818 min Scan# 997  
 Delta R.T. -0.000 min  
 Lab File: VN080595.D  
 Acq: 27 Dec 2023 11:48

Tgt Ion: 49 Resp: 207056  
 Ion Ratio Lower Upper  
 49 100  
 129 0.9 0.0 4.8  
 130 80.5 75.3 112.9





#29

Tetrahydrofuran

Concen: 265.726 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. 0.000 min

Lab File: VN080595.D

Acq: 27 Dec 2023 11:48

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC050

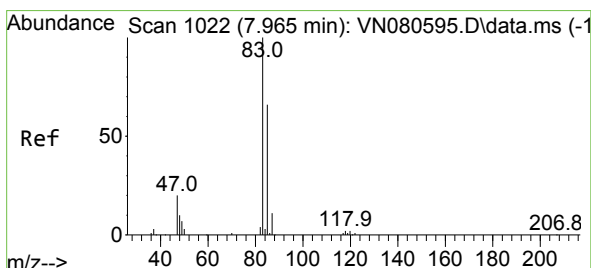
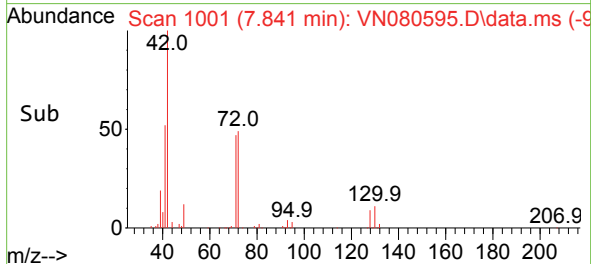
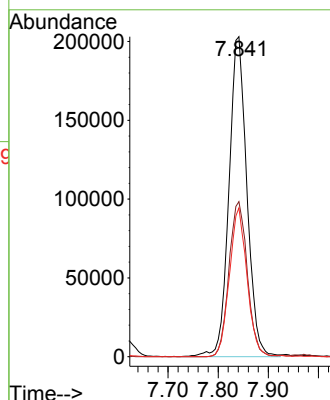
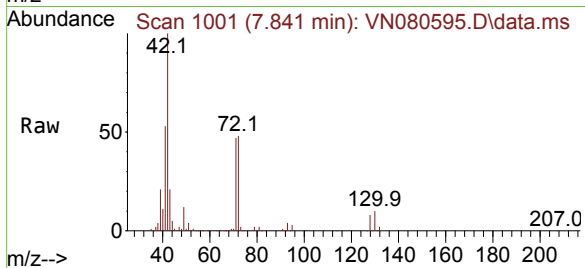
Tgt Ion: 42 Resp: 505132

Ion Ratio Lower Upper

42 100

72 49.5 49.8 74.6#

71 45.8 47.4 71.2#



#30

Chloroform

Concen: 46.884 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VN080595.D

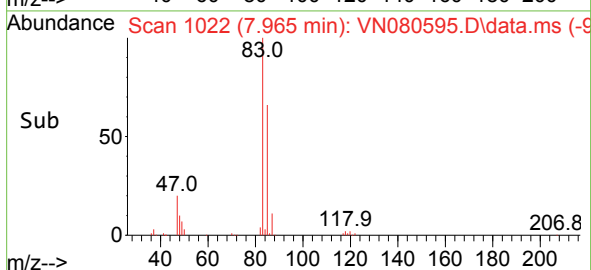
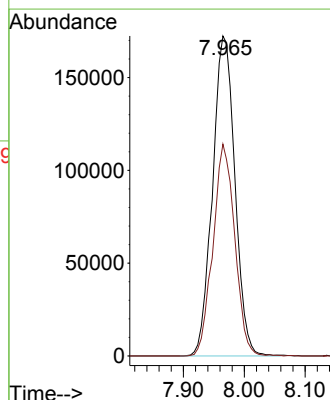
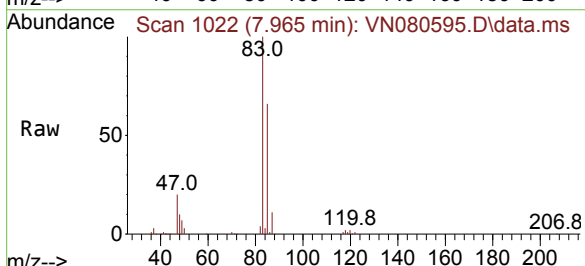
Acq: 27 Dec 2023 11:48

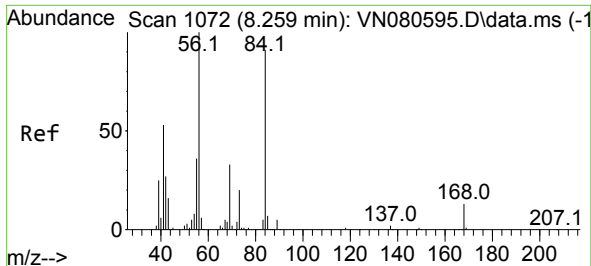
Tgt Ion: 83 Resp: 439777

Ion Ratio Lower Upper

83 100

85 66.2 55.4 83.0

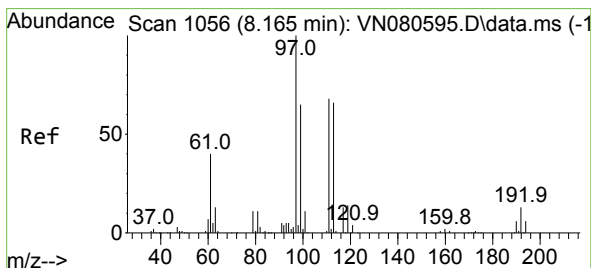
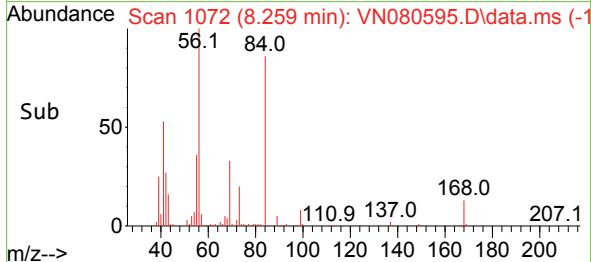
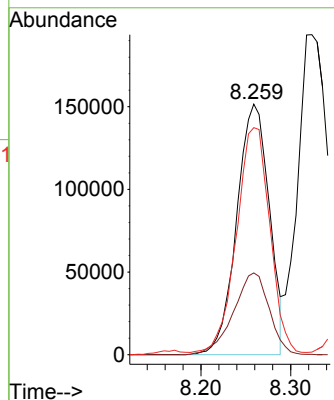
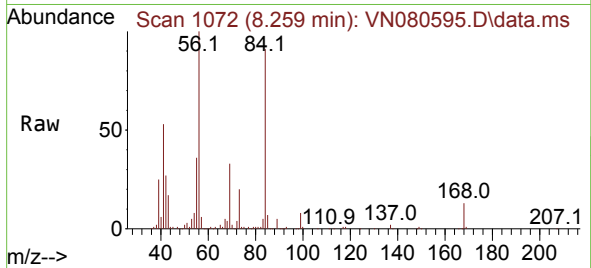




#31  
Cyclohexane  
Concen: 49.191 ug/l  
RT: 8.259 min Scan# 1072  
Delta R.T. 0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

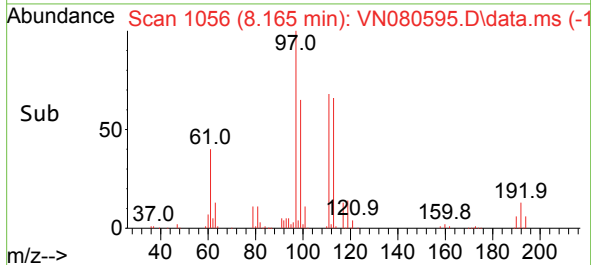
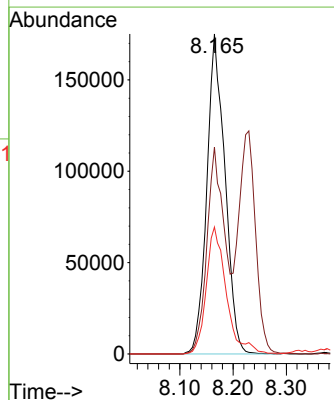
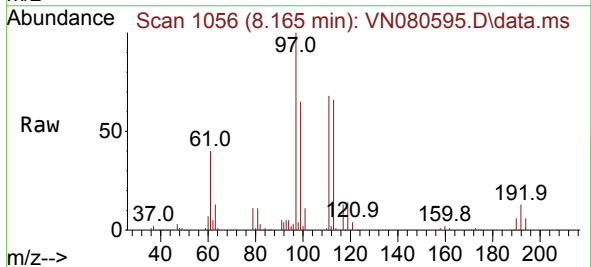
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

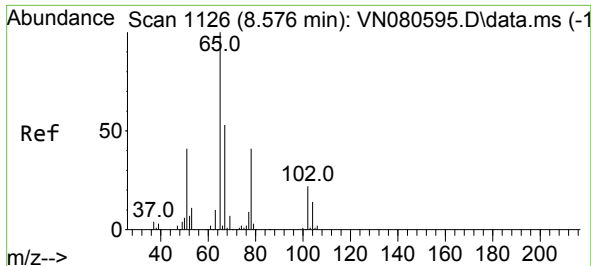
Tgt Ion: 56 Resp: 381828  
Ion Ratio Lower Upper  
56 100  
69 32.4 26.8 40.2  
84 89.5 81.8 122.6



#32  
1,1,1-Trichloroethane  
Concen: 48.900 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

Tgt Ion: 97 Resp: 413590  
Ion Ratio Lower Upper  
97 100  
99 61.8 50.3 75.5  
61 43.8 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 56.886 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN080595.D

Acq: 27 Dec 2023 11:48

Instrument :

MSVOA\_N

ClientSampleId :

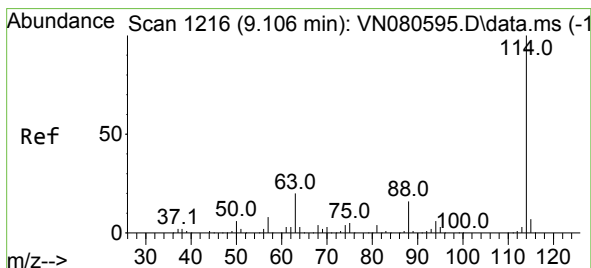
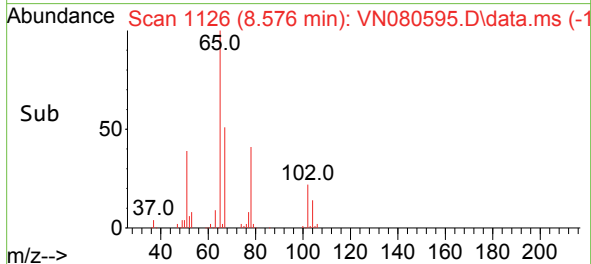
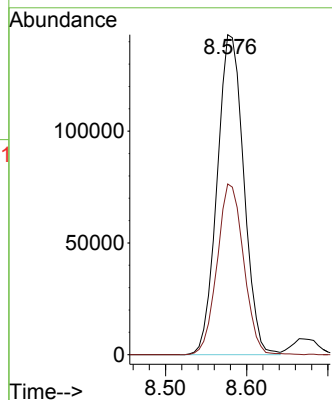
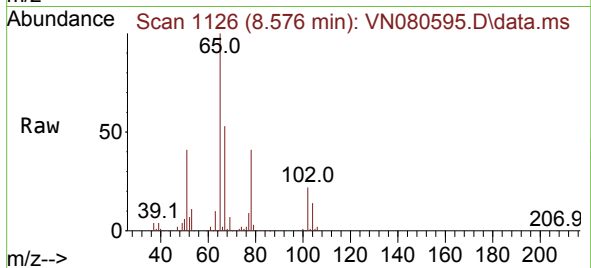
VSTDICCC050

Tgt Ion: 65 Resp: 326359

Ion Ratio Lower Upper

65 100

67 53.1 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN080595.D

Acq: 27 Dec 2023 11:48

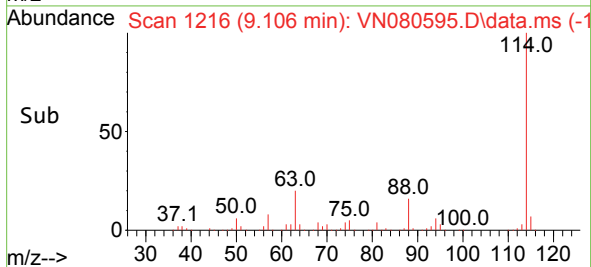
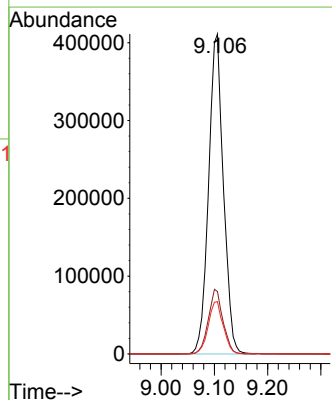
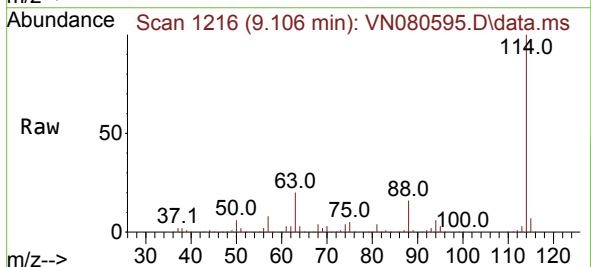
Tgt Ion: 114 Resp: 794575

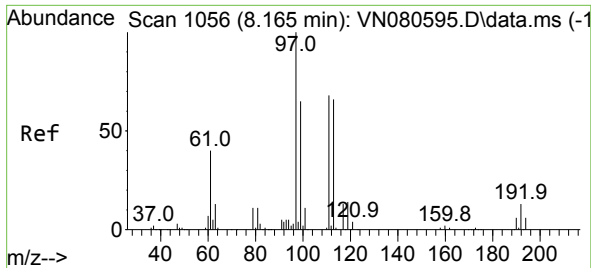
Ion Ratio Lower Upper

114 100

63 19.5 0.0 36.4

88 16.3 0.0 30.6

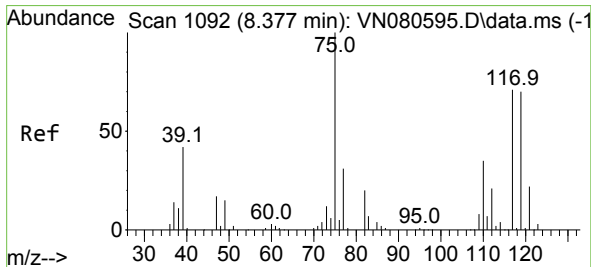
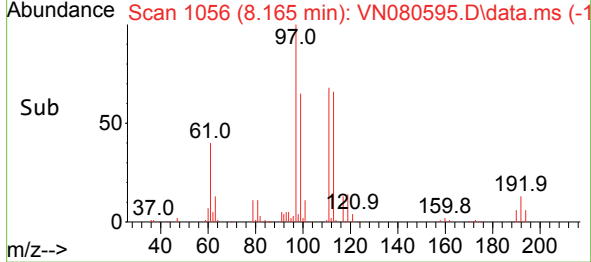
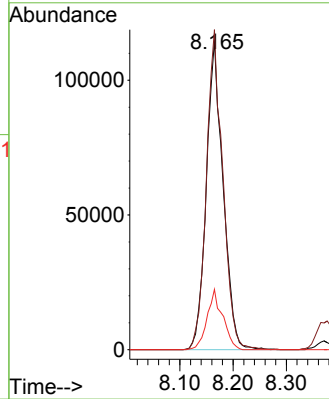
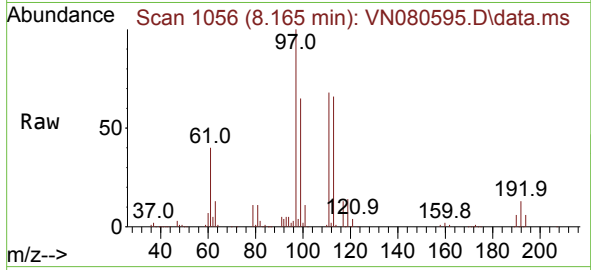




#35  
Dibromofluoromethane  
Concen: 48.748 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

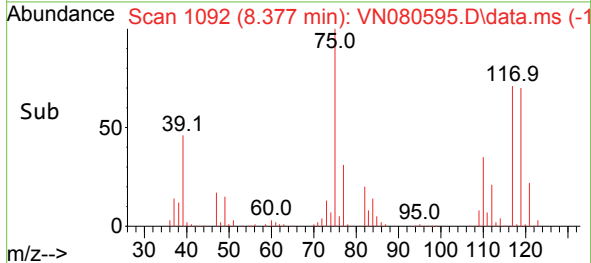
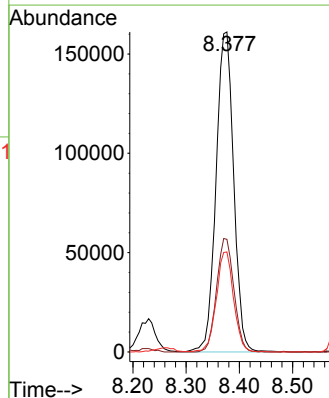
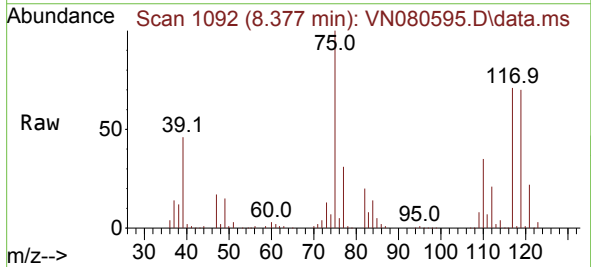
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

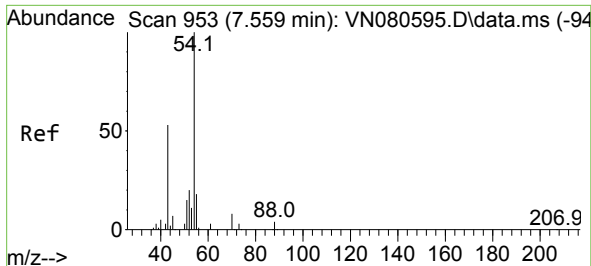
Tgt Ion:113 Resp: 250514  
Ion Ratio Lower Upper  
113 100  
111 101.8 82.6 123.8  
192 18.1 12.7 19.1



#36  
1,1-Dichloropropene  
Concen: 46.841 ug/l  
RT: 8.377 min Scan# 1092  
Delta R.T. 0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

Tgt Ion: 75 Resp: 370466  
Ion Ratio Lower Upper  
75 100  
110 34.9 19.1 57.3  
77 30.7 25.0 37.4

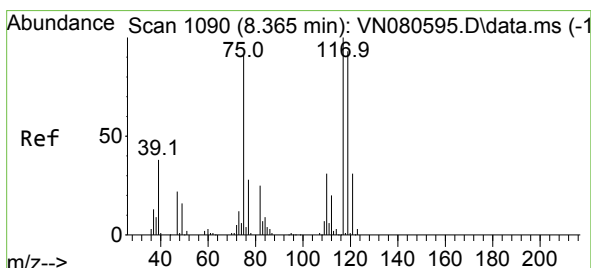
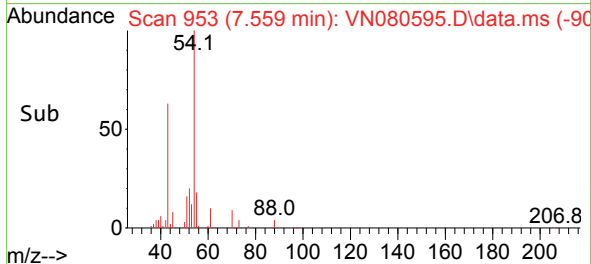
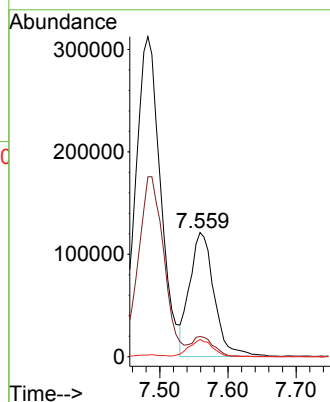
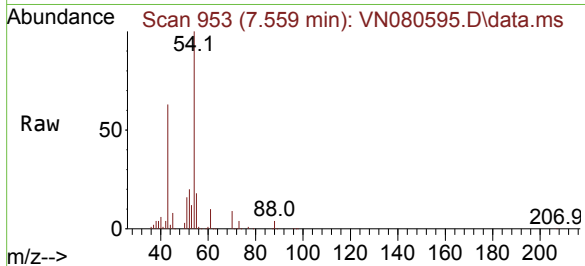




#37  
Ethyl Acetate  
Concen: 50.506 ug/l  
RT: 7.559 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

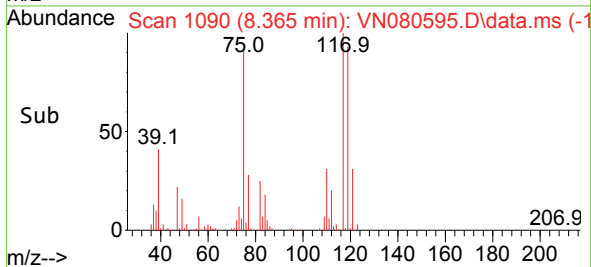
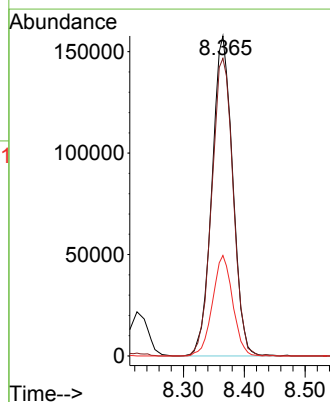
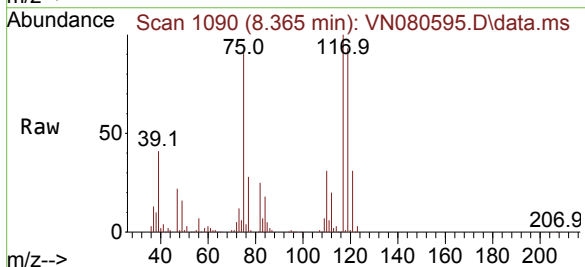
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MSVOA\_N  
ClientSampleId :  
VSTDICCC050

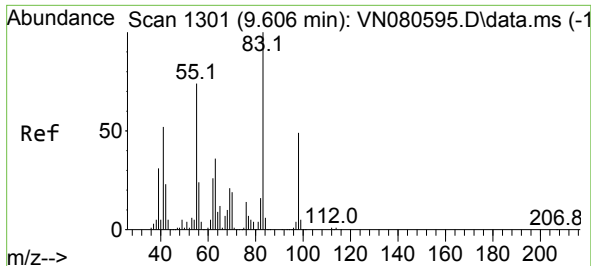
Tgt Ion: 43 Resp: 301413  
Ion Ratio Lower Upper  
43 100  
61 14.2 13.2 19.8  
70 13.2 11.3 16.9



#38  
Carbon Tetrachloride  
Concen: 46.059 ug/l  
RT: 8.365 min Scan# 1090  
Delta R.T. 0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

Tgt Ion: 117 Resp: 372668  
Ion Ratio Lower Upper  
117 100  
119 93.0 77.3 115.9  
121 31.4 23.3 34.9





#39

Methylcyclohexane

Concen: 58.071 ug/l

RT: 9.606 min Scan# 11301

Delta R.T. 0.000 min

Lab File: VN080595.D

Acq: 27 Dec 2023 11:48

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC050

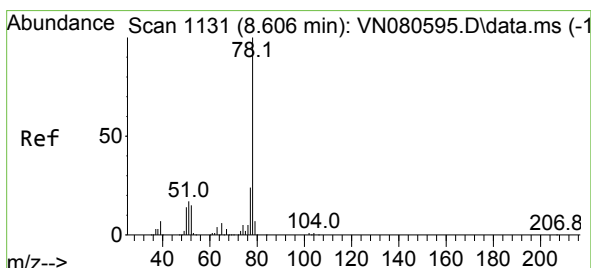
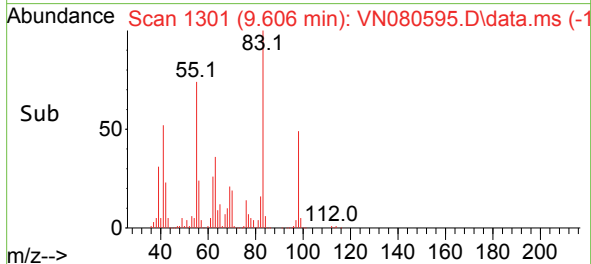
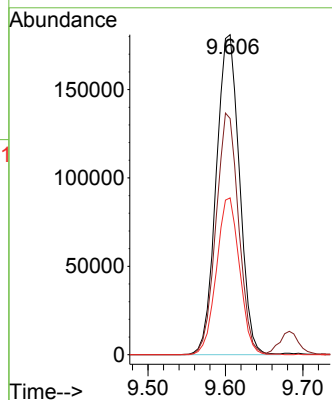
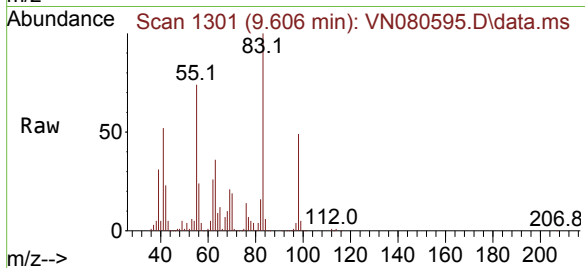
Tgt Ion: 83 Resp: 376702

Ion Ratio Lower Upper

83 100

55 73.8 49.1 73.7#

98 49.0 40.6 61.0



#40

Benzene

Concen: 50.793 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VN080595.D

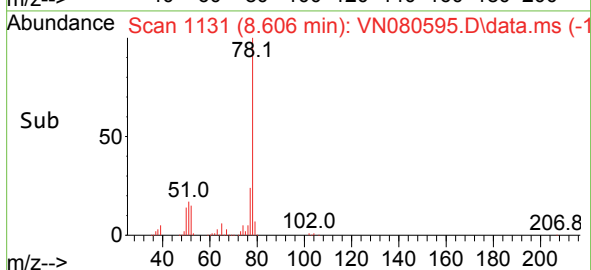
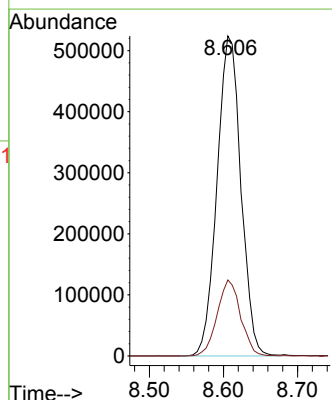
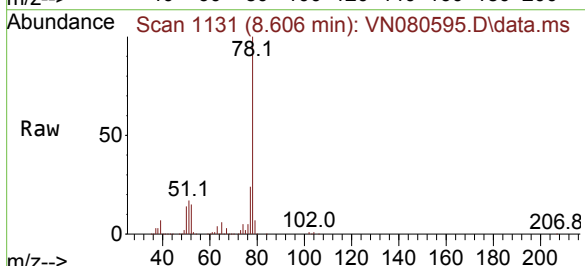
Acq: 27 Dec 2023 11:48

Tgt Ion: 78 Resp: 1171582

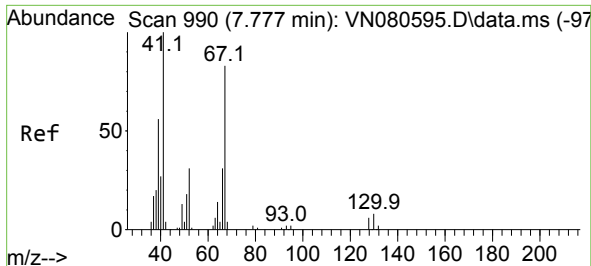
Ion Ratio Lower Upper

78 100

77 23.8 19.0 28.6





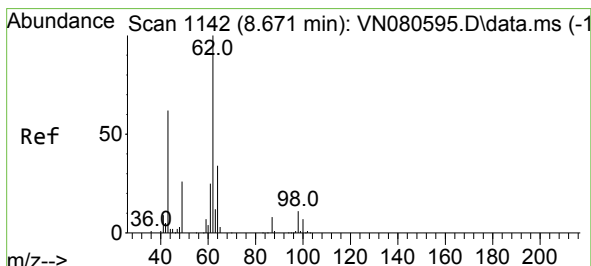
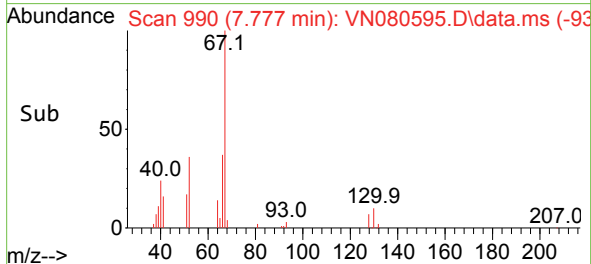
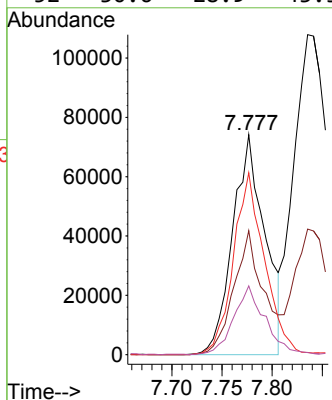
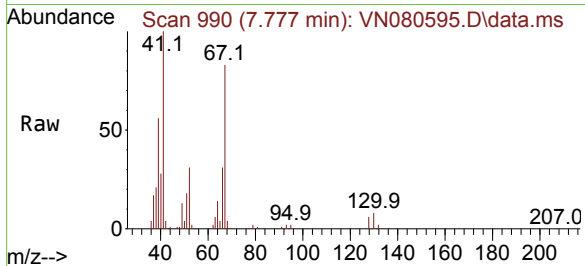


#41  
Methacrylonitrile  
Concen: 45.576 ug/l  
RT: 7.777 min Scan# 990  
Delta R.T. 0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

Tgt Ion: 41 Resp: 165671

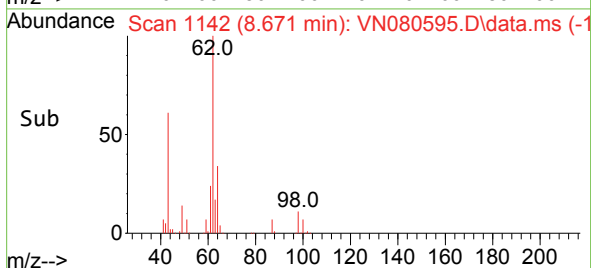
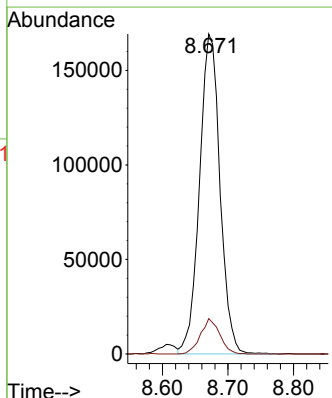
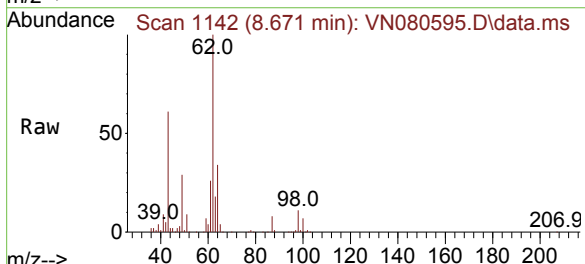
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 51.8  | 42.6  | 64.0  |
| 67  | 80.5  | 77.5  | 116.3 |
| 52  | 30.6  | 28.9  | 43.3  |

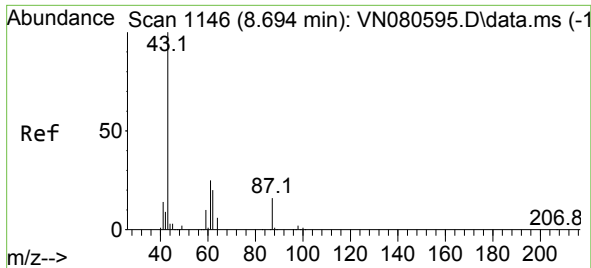


#42  
1,2-Dichloroethane  
Concen: 50.257 ug/l  
RT: 8.671 min Scan# 1142  
Delta R.T. 0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

Tgt Ion: 62 Resp: 368289

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 10.3  | 0.0   | 19.8  |

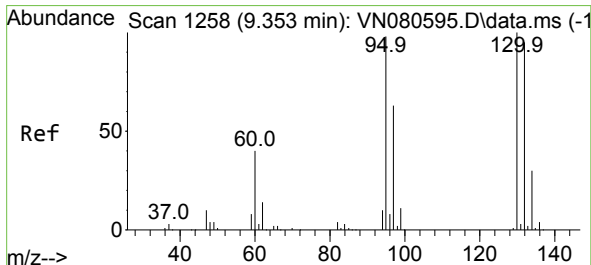
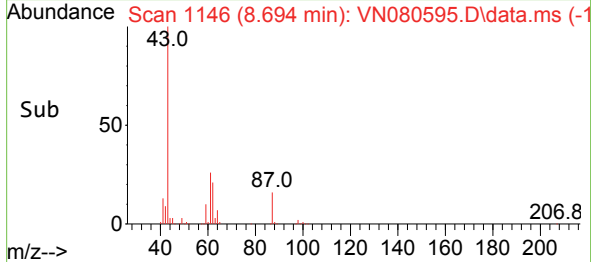
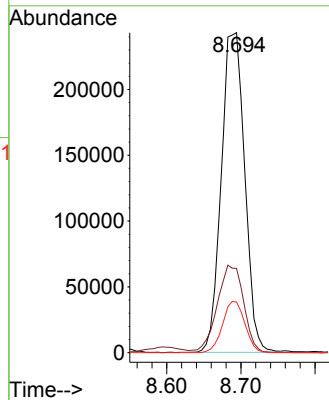
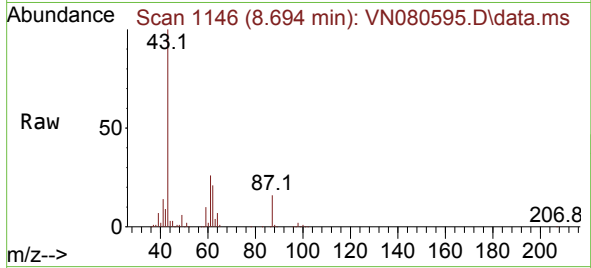




#43  
Isopropyl Acetate  
Concen: 55.229 ug/l  
RT: 8.694 min Scan# 1146  
Delta R.T. 0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

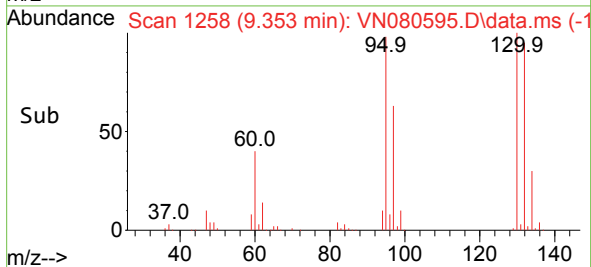
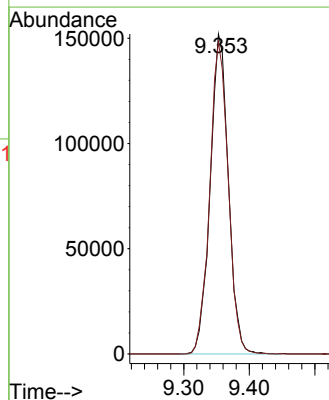
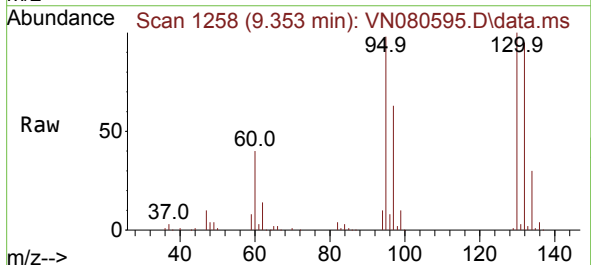
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

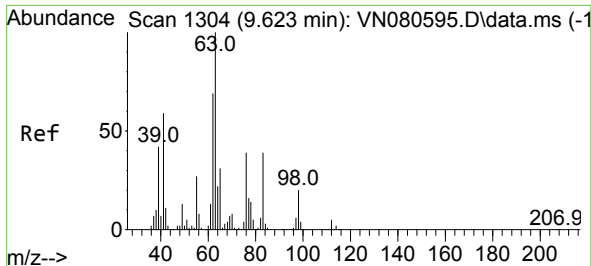
Tgt Ion: 43 Resp: 534228  
Ion Ratio Lower Upper  
43 100  
61 30.9 24.7 37.1  
87 15.3 14.6 21.8



#44  
Trichloroethene  
Concen: 49.626 ug/l  
RT: 9.353 min Scan# 1258  
Delta R.T. 0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

Tgt Ion:130 Resp: 292982  
Ion Ratio Lower Upper  
130 100  
95 97.6 0.0 204.6





#45

1,2-Dichloropropane

Concen: 57.359 ug/l

RT: 9.623 min Scan# 1304

Delta R.T. 0.000 min

Lab File: VN080595.D

Acq: 27 Dec 2023 11:48

Instrument :

MSVOA\_N

ClientSampleId :

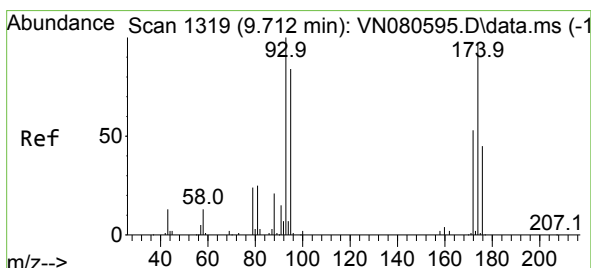
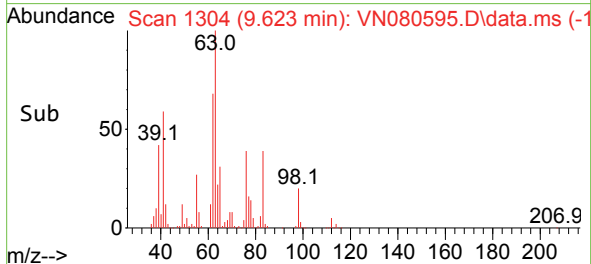
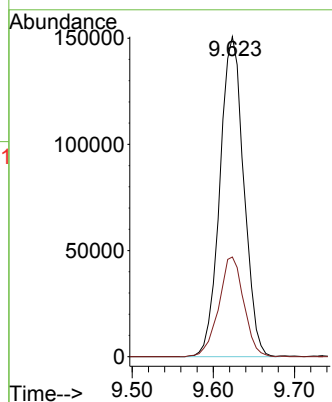
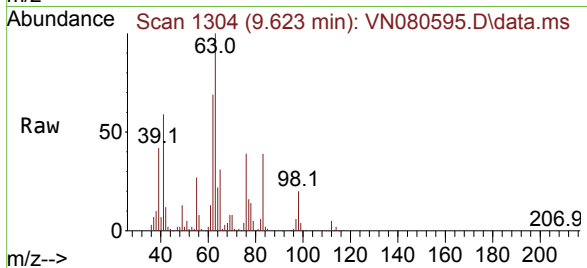
VSTDICCC050

Tgt Ion: 63 Resp: 308311

Ion Ratio Lower Upper

63 100

65 31.2 23.9 35.9



#46

Dibromomethane

Concen: 53.616 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VN080595.D

Acq: 27 Dec 2023 11:48

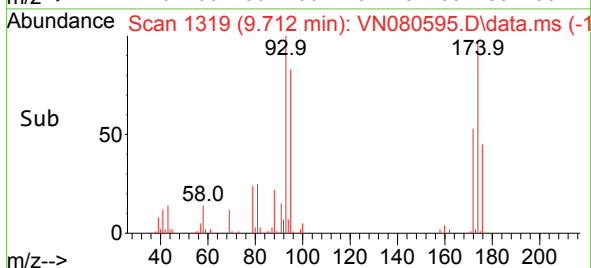
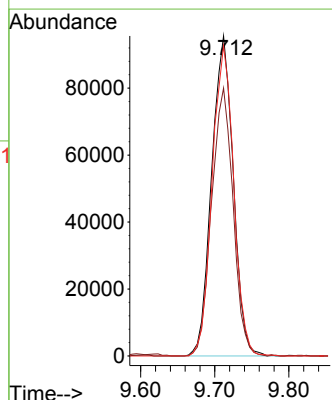
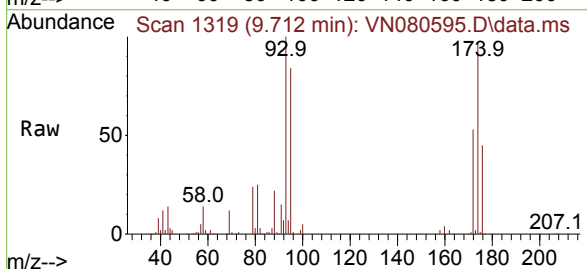
Tgt Ion: 93 Resp: 193899

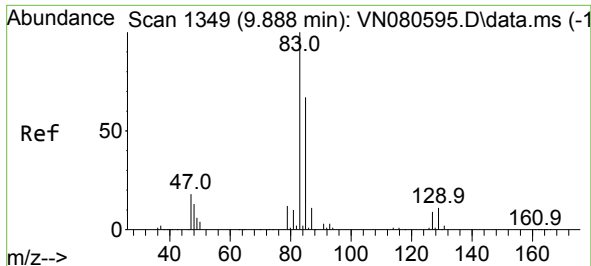
Ion Ratio Lower Upper

93 100

95 83.2 63.8 95.8

174 96.3 65.6 98.4





#47

Bromodichloromethane

Concen: 49.442 ug/l

RT: 9.888 min Scan# 1349

Delta R.T. 0.000 min

Lab File: VN080595.D

Acq: 27 Dec 2023 11:48

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC050

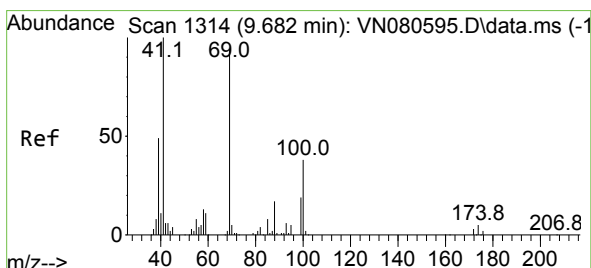
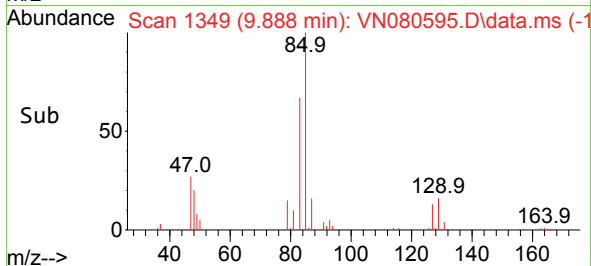
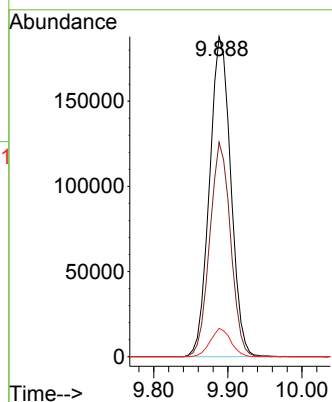
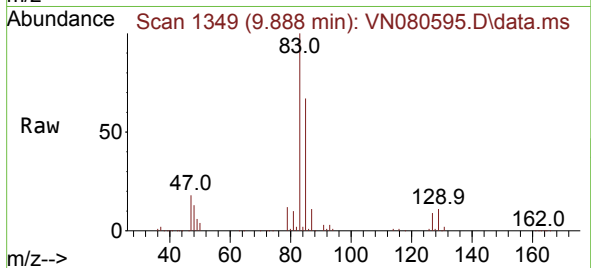
Tgt Ion: 83 Resp: 374796

Ion Ratio Lower Upper

83 100

85 67.0 49.6 74.4

127 8.8 7.0 10.6



#48

Methyl methacrylate

Concen: 58.130 ug/l

RT: 9.682 min Scan# 1314

Delta R.T. 0.000 min

Lab File: VN080595.D

Acq: 27 Dec 2023 11:48

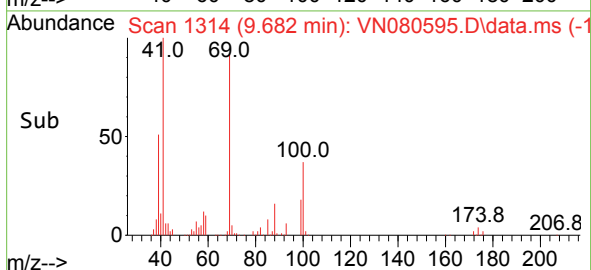
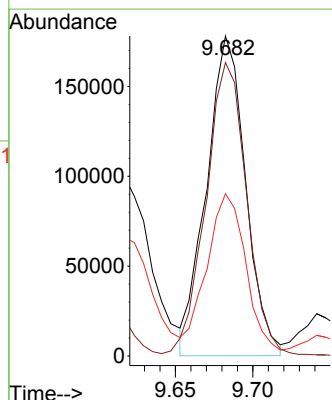
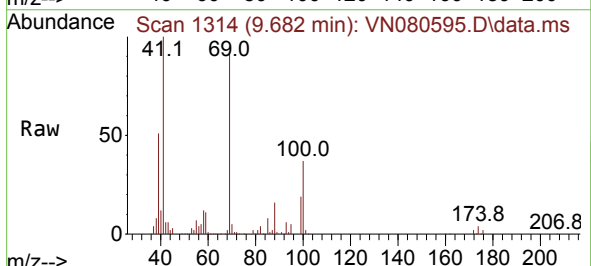
Tgt Ion: 41 Resp: 312209

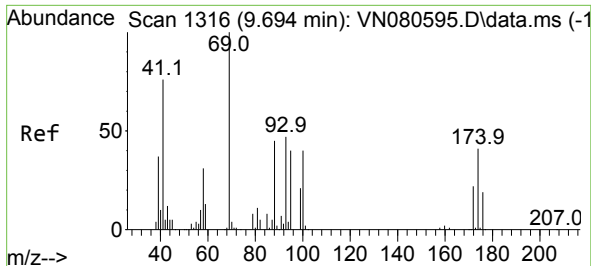
Ion Ratio Lower Upper

41 100

69 96.3 90.4 135.6

39 51.8 54.6 81.8#





#49

1,4-Dioxane

Concen: 1061.685 ug/l

RT: 9.694 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN080595.D

Acq: 27 Dec 2023 11:48

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC050

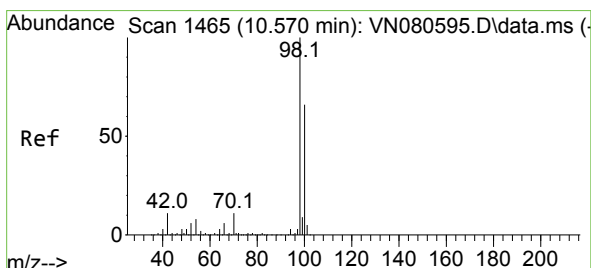
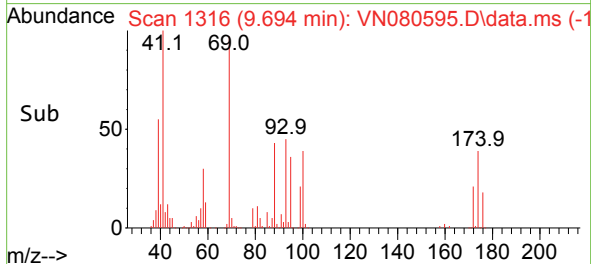
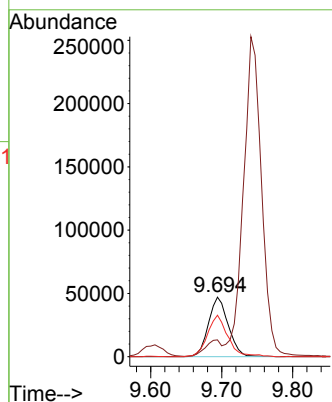
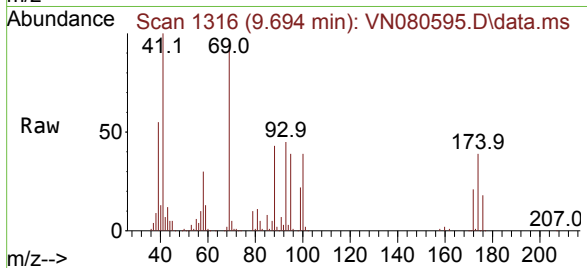
Tgt Ion: 88 Resp: 91141

Ion Ratio Lower Upper

88 100

43 22.2 17.0 25.6

58 71.6 47.0 70.4#



#50

Toluene-d8

Concen: 53.900 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN080595.D

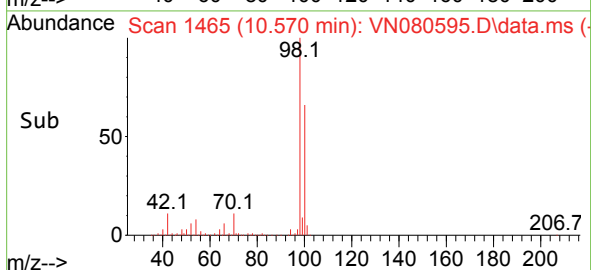
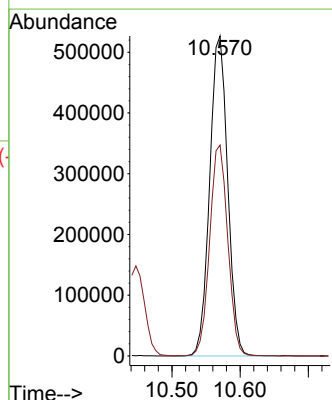
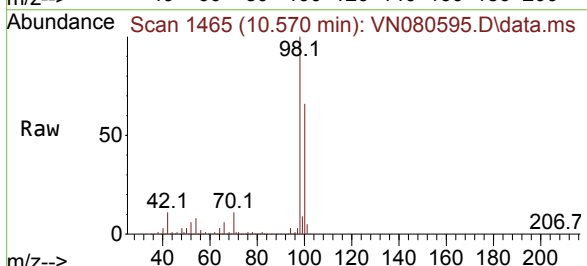
Acq: 27 Dec 2023 11:48

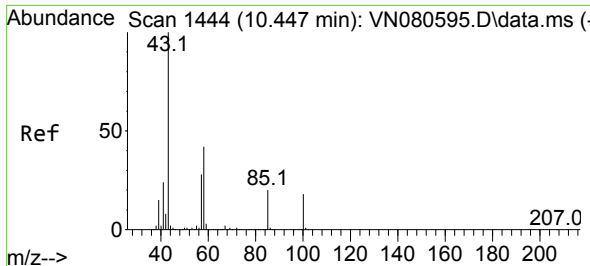
Tgt Ion: 98 Resp: 967109

Ion Ratio Lower Upper

98 100

100 66.4 52.0 78.0

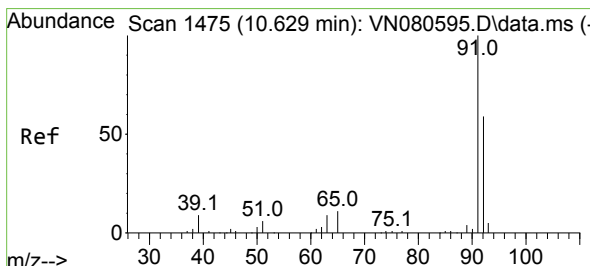
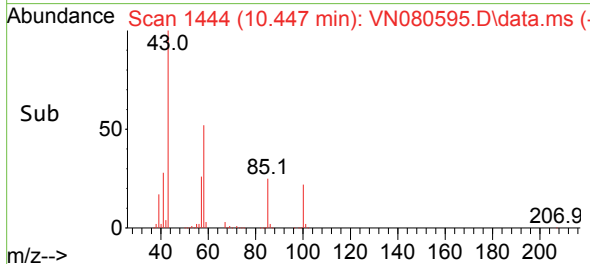
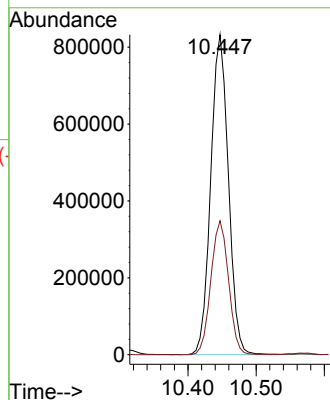
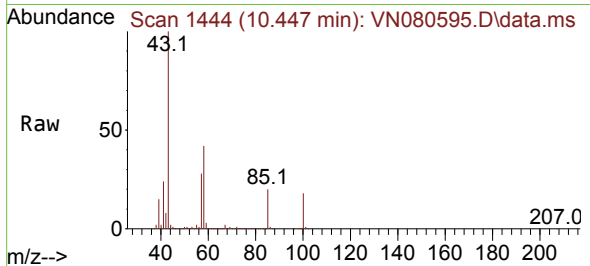




#51  
4-Methyl-2-Pentanone  
Concen: 272.931 ug/l  
RT: 10.447 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

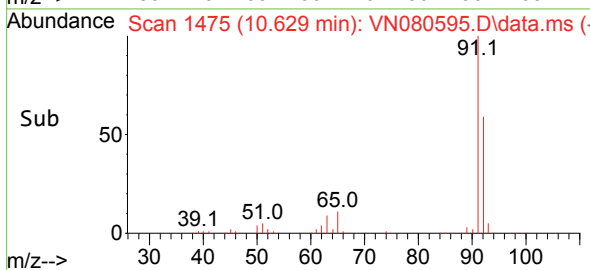
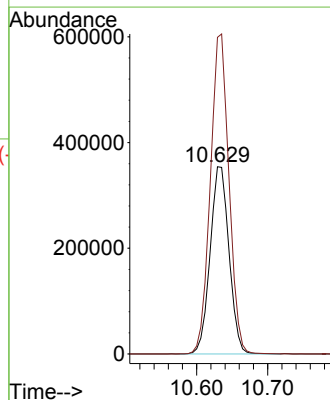
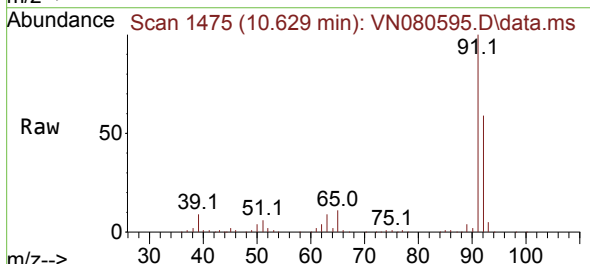
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

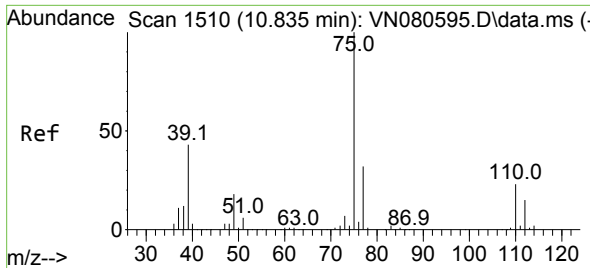
Tgt Ion: 43 Resp: 1501572  
Ion Ratio Lower Upper  
43 100  
58 41.9 36.6 54.8



#52  
Toluene  
Concen: 51.979 ug/l  
RT: 10.629 min Scan# 1475  
Delta R.T. 0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

Tgt Ion: 92 Resp: 653647  
Ion Ratio Lower Upper  
92 100  
91 168.4 137.4 206.0

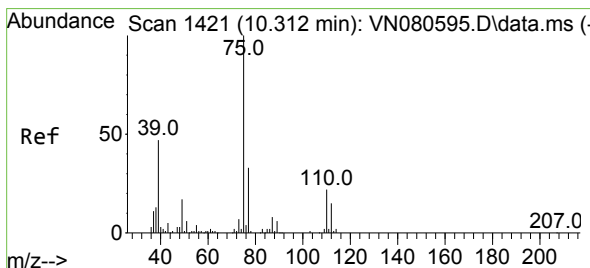
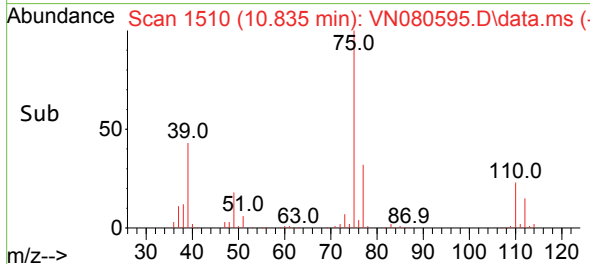
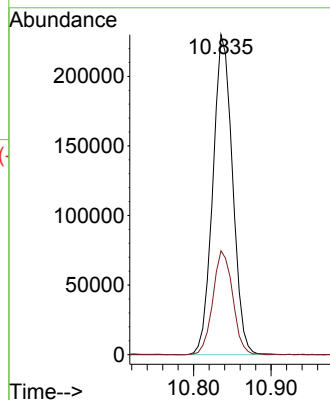
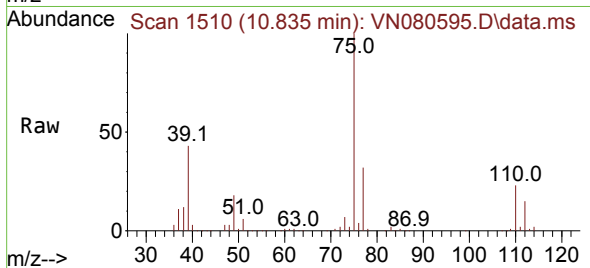




#53  
 t-1,3-Dichloropropene  
 Concen: 53.044 ug/l  
 RT: 10.835 min Scan# 1510  
 Delta R.T. 0.000 min  
 Lab File: VN080595.D  
 Acq: 27 Dec 2023 11:48

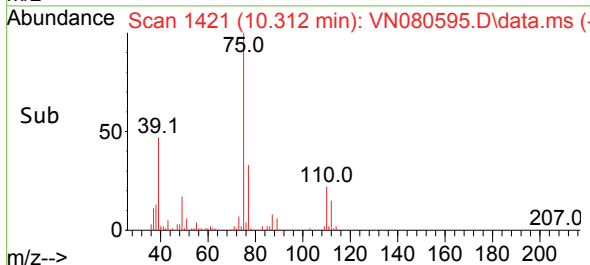
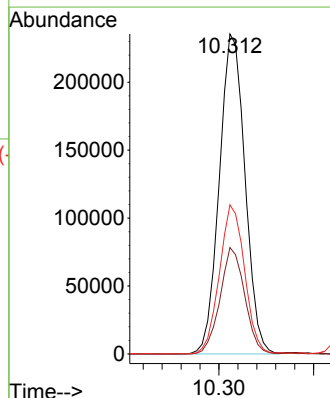
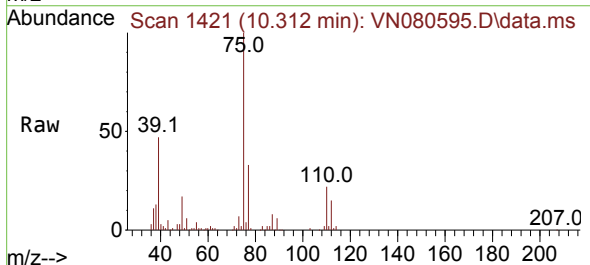
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC050

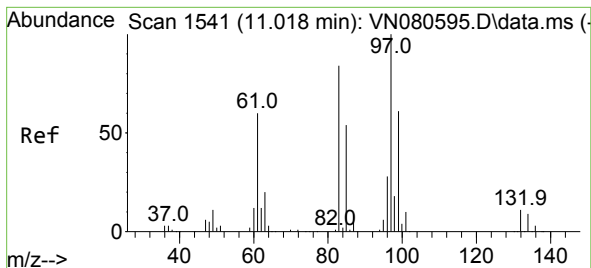
Tgt Ion: 75 Resp: 405380  
 Ion Ratio Lower Upper  
 75 100  
 77 32.4 25.4 38.0



#54  
 cis-1,3-Dichloropropene  
 Concen: 51.876 ug/l  
 RT: 10.312 min Scan# 1421  
 Delta R.T. 0.000 min  
 Lab File: VN080595.D  
 Acq: 27 Dec 2023 11:48

Tgt Ion: 75 Resp: 443708  
 Ion Ratio Lower Upper  
 75 100  
 77 33.3 26.1 39.1  
 39 46.5 31.6 47.4





#55

1,1,2-Trichloroethane

Concen: 52.088 ug/l

RT: 11.018 min Scan# 1541

Delta R.T. 0.000 min

Lab File: VN080595.D

Acq: 27 Dec 2023 11:48

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 97 Resp: 259822

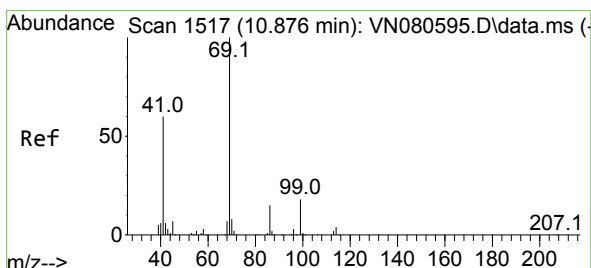
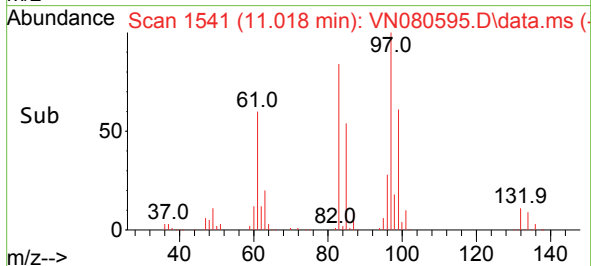
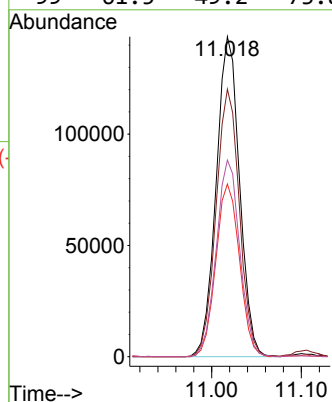
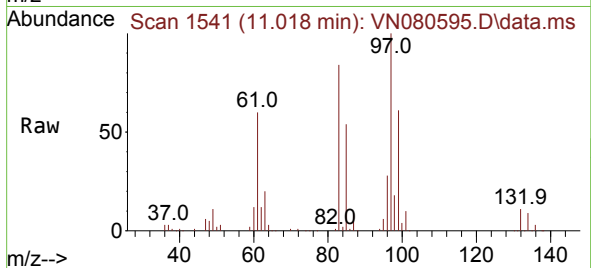
Ion Ratio Lower Upper

97 100

83 83.6 65.1 97.7

85 53.9 43.4 65.2

99 61.5 49.2 73.8



#56

Ethyl methacrylate

Concen: 57.807 ug/l

RT: 10.876 min Scan# 1517

Delta R.T. 0.000 min

Lab File: VN080595.D

Acq: 27 Dec 2023 11:48

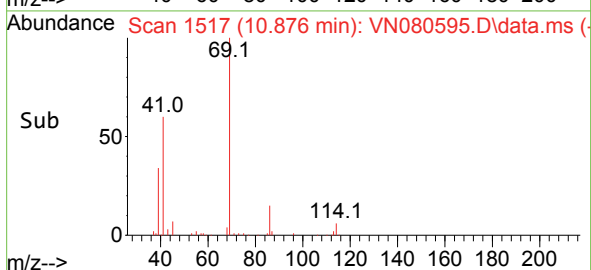
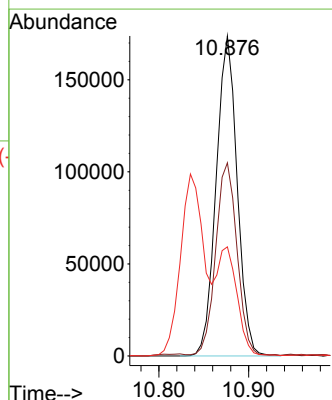
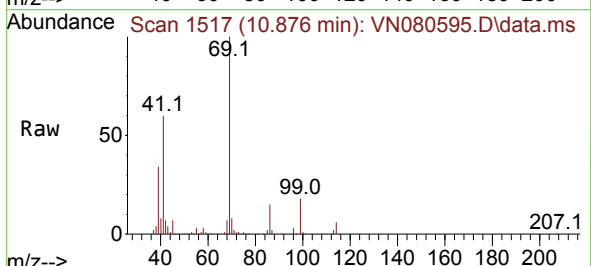
Tgt Ion: 69 Resp: 282443

Ion Ratio Lower Upper

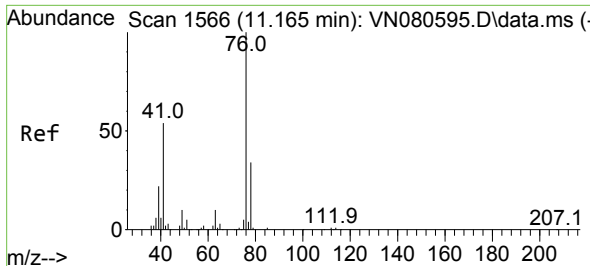
69 100

41 60.7 39.6 59.4#

39 32.5 28.6 43.0







#57

1,3-Dichloropropane

Concen: 52.161 ug/l

RT: 11.165 min Scan# 1566

Delta R.T. 0.000 min

Lab File: VN080595.D

Acq: 27 Dec 2023 11:48

Instrument :

MSVOA\_N

ClientSampleId :

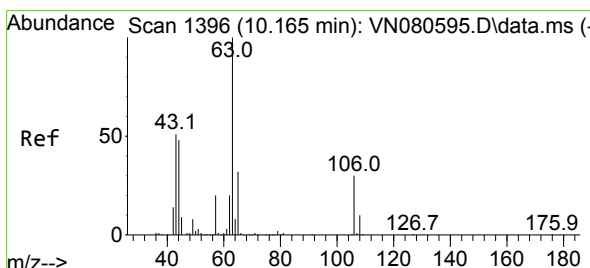
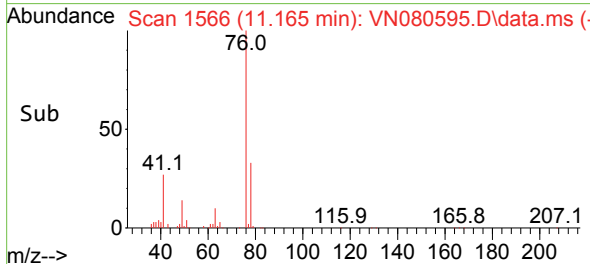
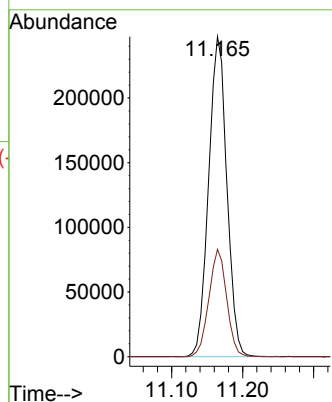
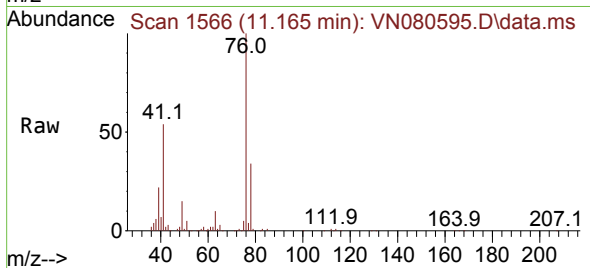
VSTDICCC050

Tgt Ion: 76 Resp: 440847

Ion Ratio Lower Upper

76 100

78 32.7 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 305.470 ug/l

RT: 10.165 min Scan# 1396

Delta R.T. 0.000 min

Lab File: VN080595.D

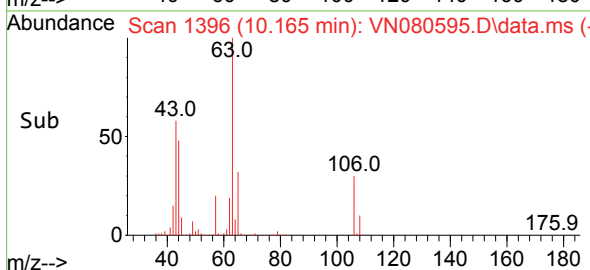
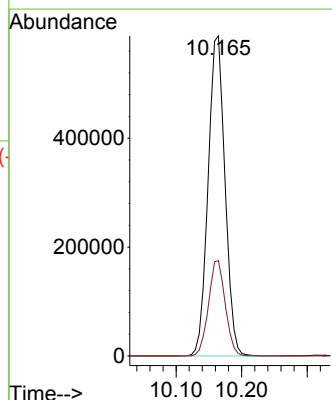
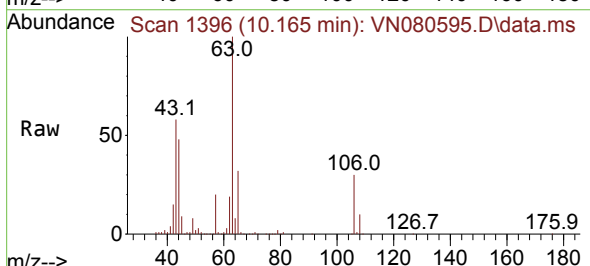
Acq: 27 Dec 2023 11:48

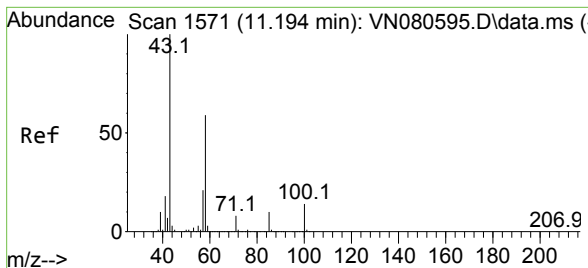
Tgt Ion: 63 Resp: 1053987

Ion Ratio Lower Upper

63 100

106 29.5 26.2 39.4

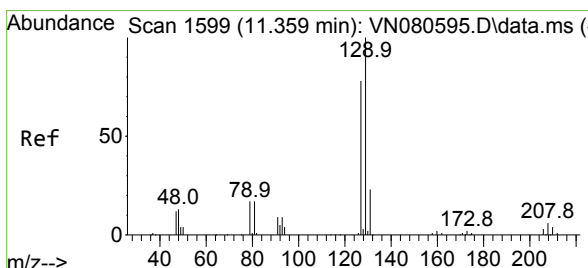
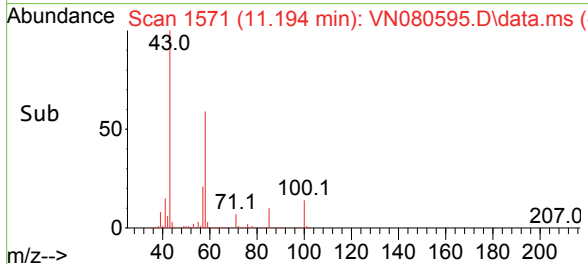
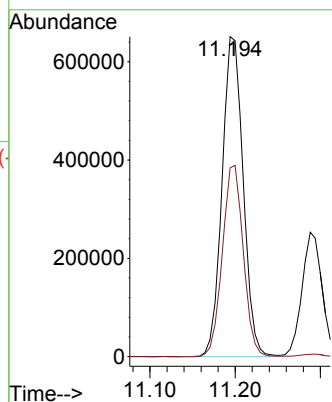
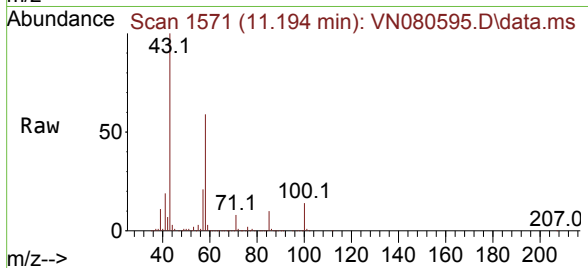




#59  
2-Hexanone  
Concen: 270.211 ug/l  
RT: 11.194 min Scan# 1571  
Delta R.T. 0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

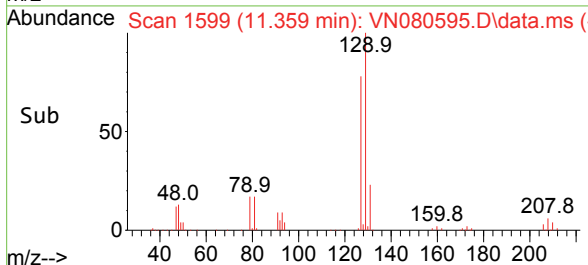
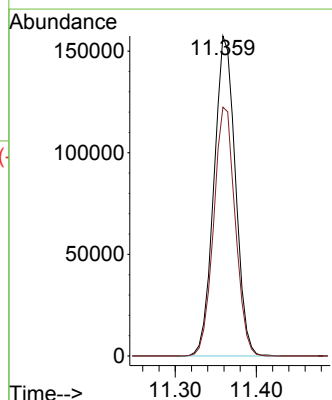
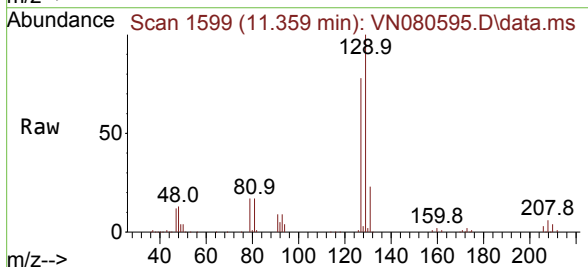
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

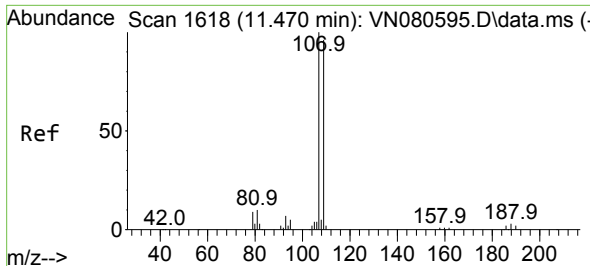
Tgt Ion: 43 Resp: 1120450  
Ion Ratio Lower Upper  
43 100  
58 59.2 31.7 95.1



#60  
Dibromochloromethane  
Concen: 51.911 ug/l  
RT: 11.359 min Scan# 1599  
Delta R.T. 0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

Tgt Ion: 129 Resp: 288341  
Ion Ratio Lower Upper  
129 100  
127 78.3 38.6 116.0

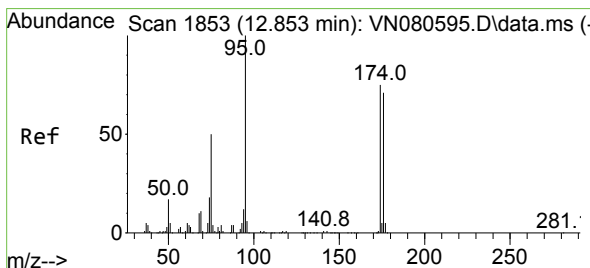
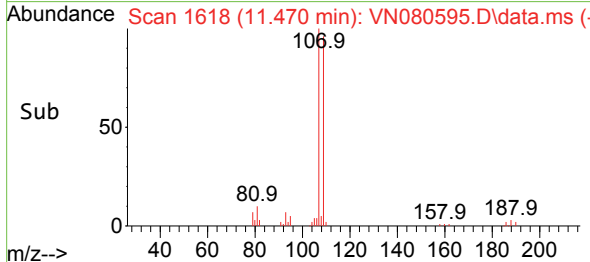
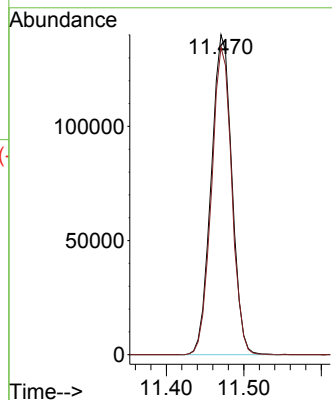
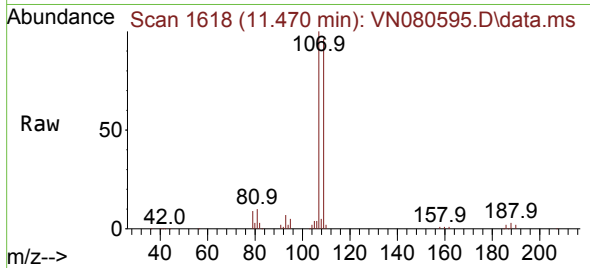




#61  
1,2-Dibromoethane  
Concen: 51.704 ug/l  
RT: 11.470 min Scan# 1618  
Delta R.T. 0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

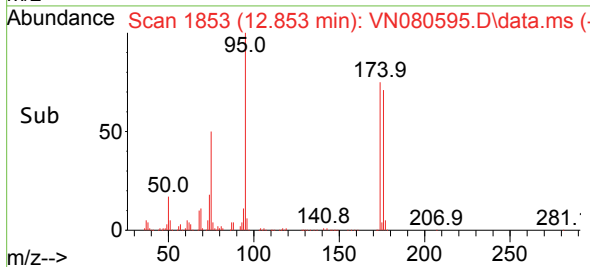
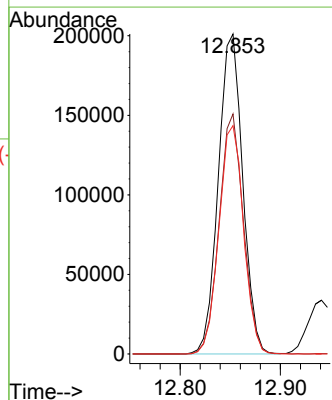
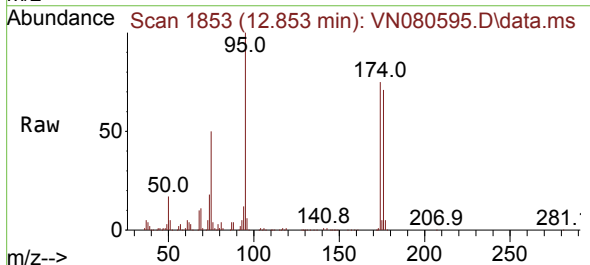
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

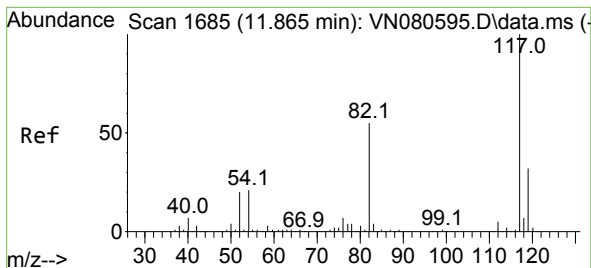
Tgt Ion:107 Resp: 260043  
Ion Ratio Lower Upper  
107 100  
109 94.0 76.6 114.8



#62  
4-Bromofluorobenzene  
Concen: 56.212 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

Tgt Ion: 95 Resp: 339444  
Ion Ratio Lower Upper  
95 100  
174 74.5 0.0 143.8  
176 72.0 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN080595.D

Acq: 27 Dec 2023 11:48

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC050

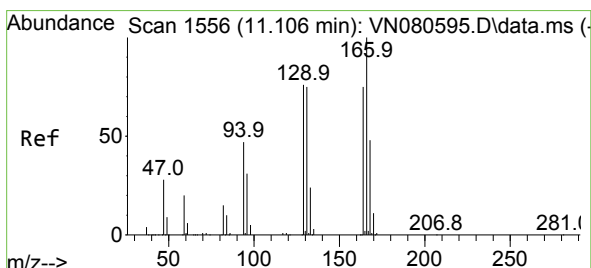
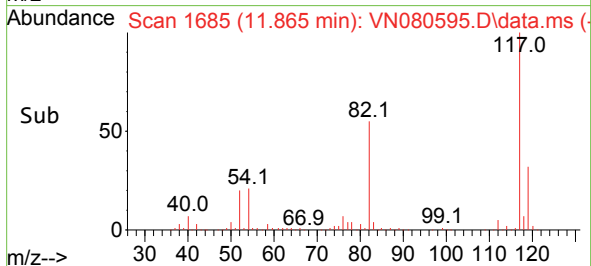
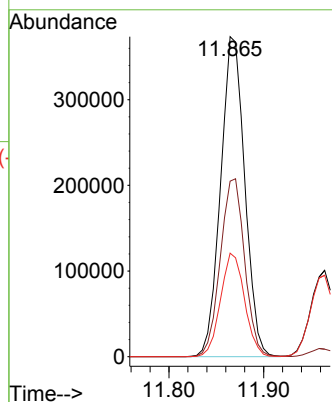
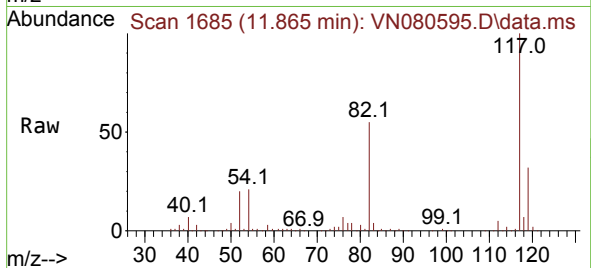
Tgt Ion:117 Resp: 662686

Ion Ratio Lower Upper

117 100

82 54.9 44.0 66.0

119 32.4 25.6 38.4



#64

Tetrachloroethene

Concen: 49.693 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. 0.000 min

Lab File: VN080595.D

Acq: 27 Dec 2023 11:48

Tgt Ion:164 Resp: 220047

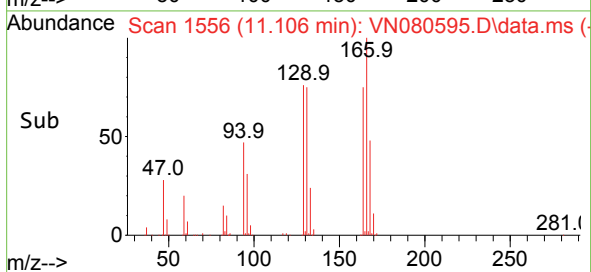
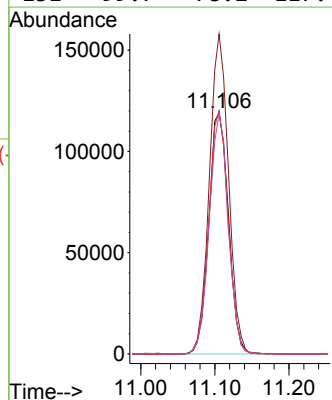
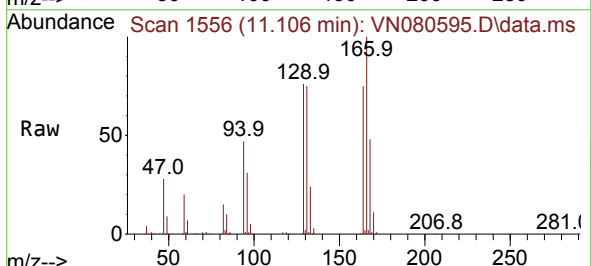
Ion Ratio Lower Upper

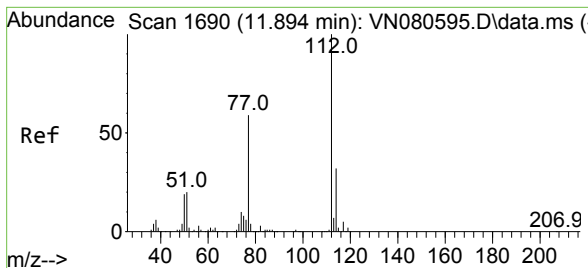
164 100

166 132.7 101.4 152.0

129 100.9 82.4 123.6

131 99.7 78.2 117.4

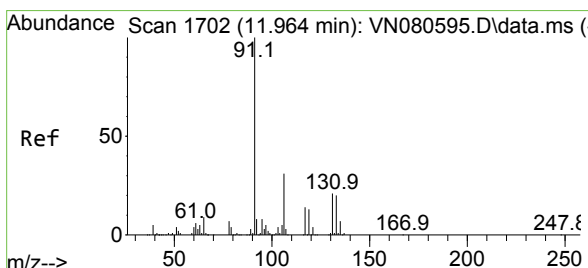
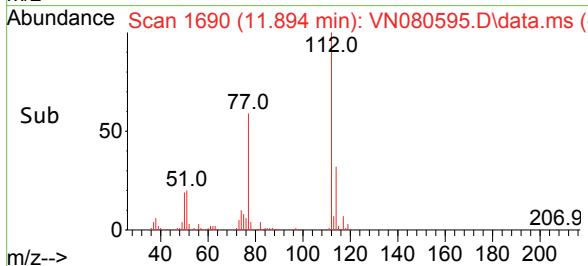
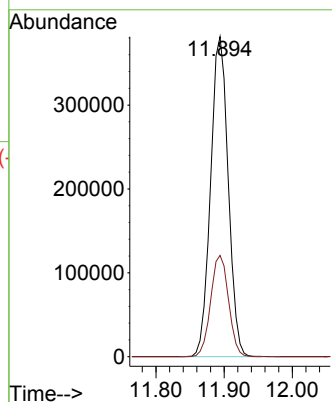
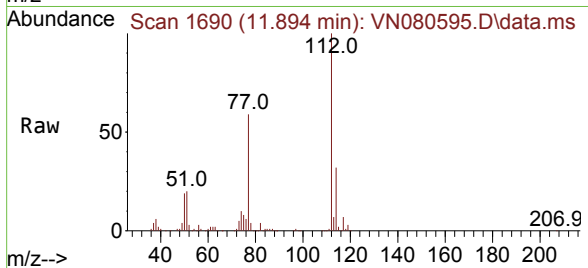




#65  
Chlorobenzene  
Concen: 49.719 ug/l  
RT: 11.894 min Scan# 1690  
Delta R.T. 0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

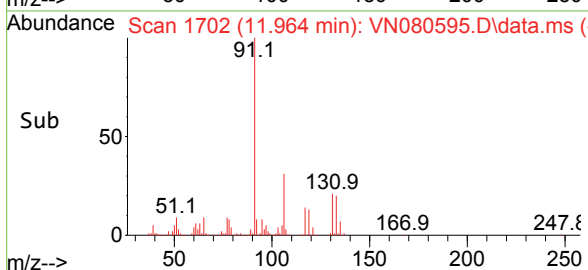
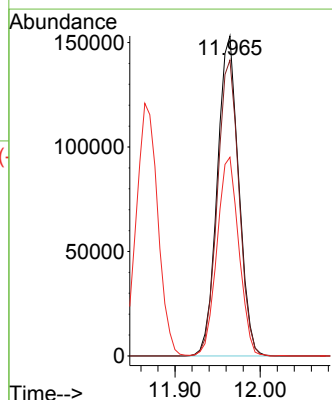
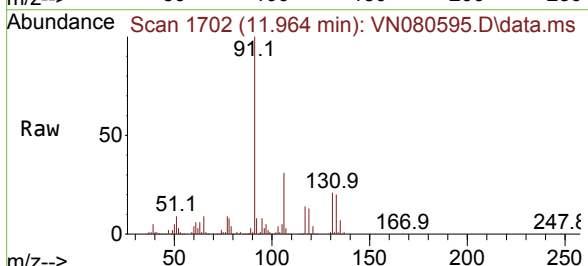
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

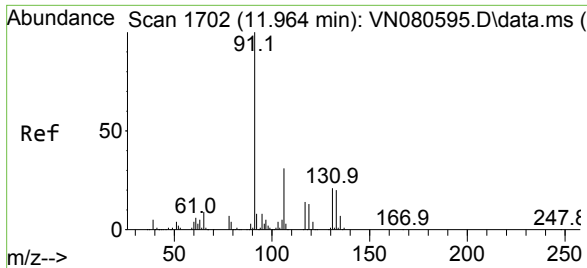
Tgt Ion:112 Resp: 685419  
Ion Ratio Lower Upper  
112 100  
114 31.6 25.0 37.4



#66  
1,1,1,2-Tetrachloroethane  
Concen: 50.497 ug/l  
RT: 11.964 min Scan# 1702  
Delta R.T. 0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

Tgt Ion:131 Resp: 267777  
Ion Ratio Lower Upper  
131 100  
133 93.3 46.4 139.1  
119 63.6 34.1 102.2

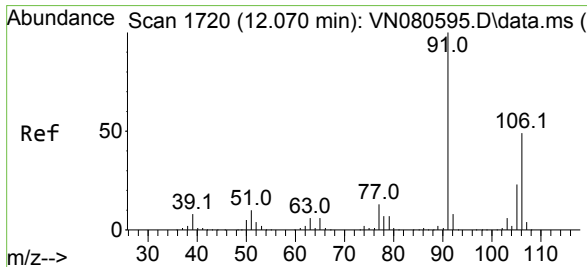
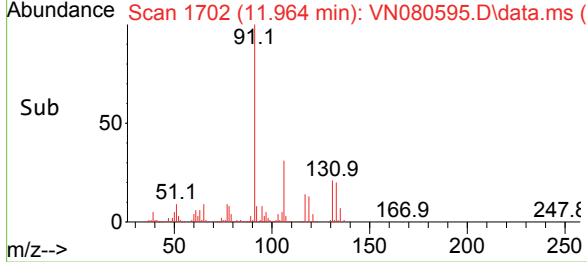
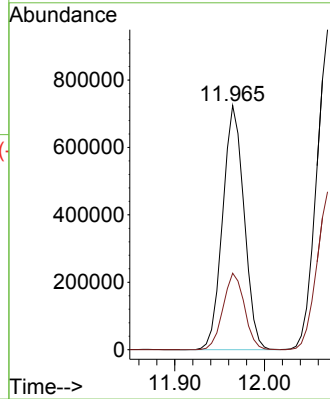
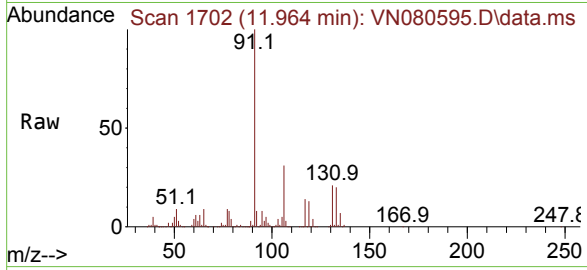




#67  
Ethyl Benzene  
Concen: 52.095 ug/l  
RT: 11.964 min Scan# 1702  
Delta R.T. 0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

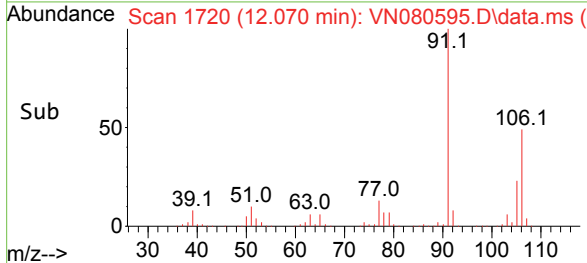
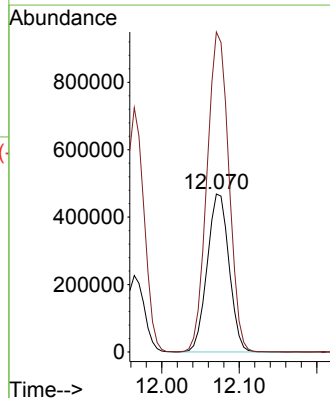
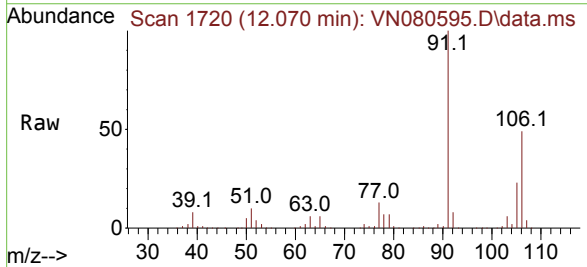
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

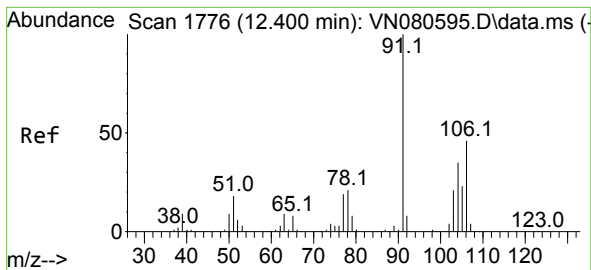
Tgt Ion: 91 Resp: 1200656  
Ion Ratio Lower Upper  
91 100  
106 31.4 25.6 38.4



#68  
m/p-Xylenes  
Concen: 107.354 ug/l  
RT: 12.070 min Scan# 1720  
Delta R.T. 0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

Tgt Ion:106 Resp: 918055  
Ion Ratio Lower Upper  
106 100  
91 202.5 159.6 239.4





#69

o-Xylene

Concen: 53.143 ug/l

RT: 12.400 min Scan# 1776

Delta R.T. 0.000 min

Lab File: VN080595.D

Acq: 27 Dec 2023 11:48

Instrument :

MSVOA\_N

ClientSampleId :

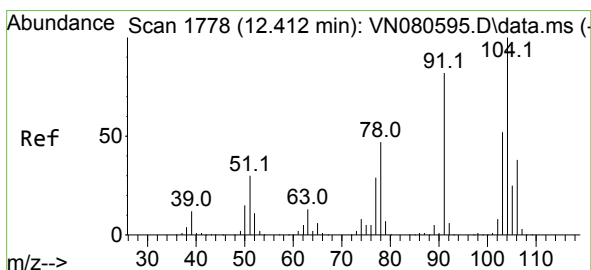
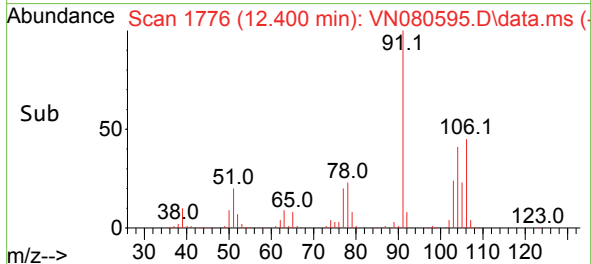
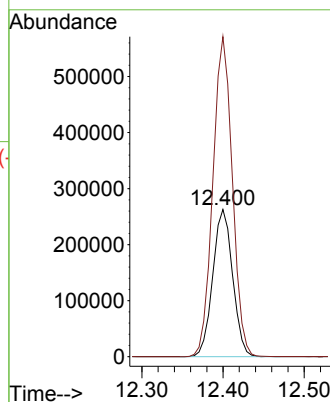
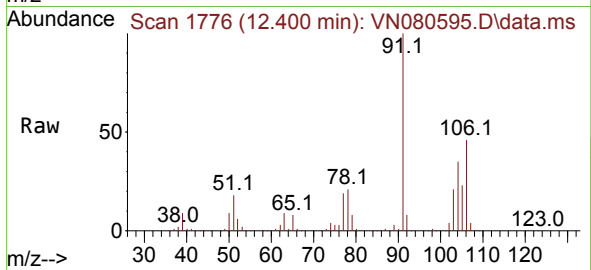
VSTDICCC050

Tgt Ion:106 Resp: 446345

Ion Ratio Lower Upper

106 100

91 213.5 105.2 315.5



#70

Styrene

Concen: 54.713 ug/l

RT: 12.412 min Scan# 1778

Delta R.T. 0.000 min

Lab File: VN080595.D

Acq: 27 Dec 2023 11:48

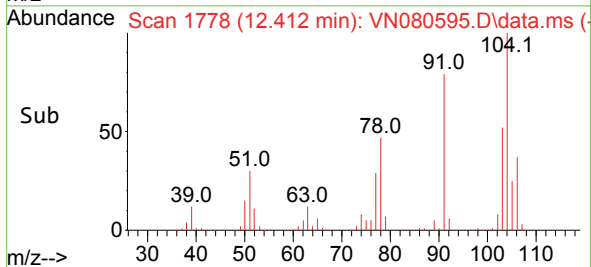
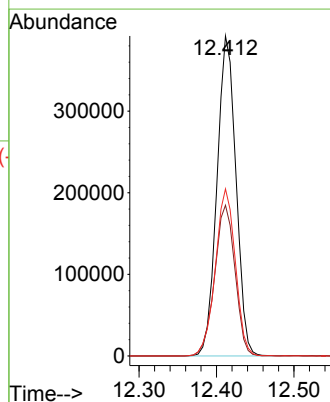
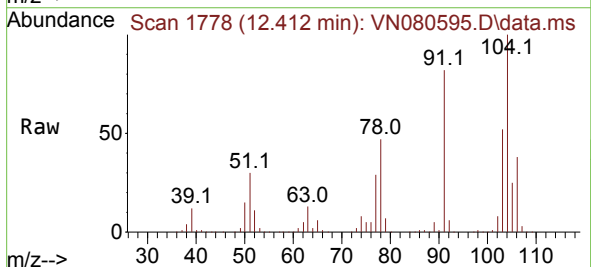
Tgt Ion:104 Resp: 668251

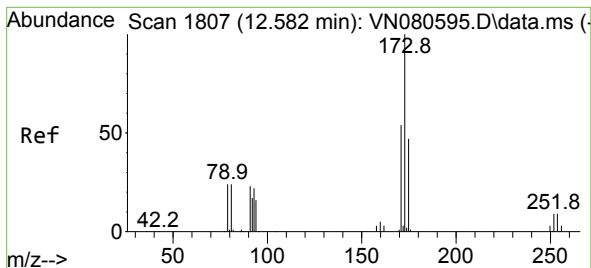
Ion Ratio Lower Upper

104 100

78 50.5 39.5 59.3

103 54.8 43.2 64.8





#71

Bromoform

Concen: 50.663 ug/l

RT: 12.582 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VN080595.D

Acq: 27 Dec 2023 11:48

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC050

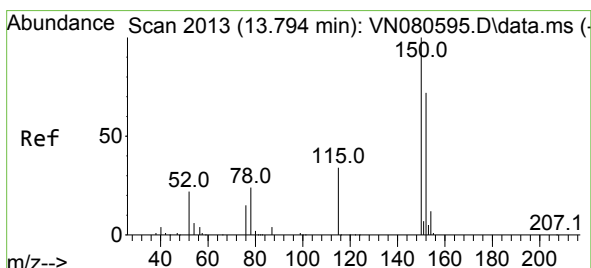
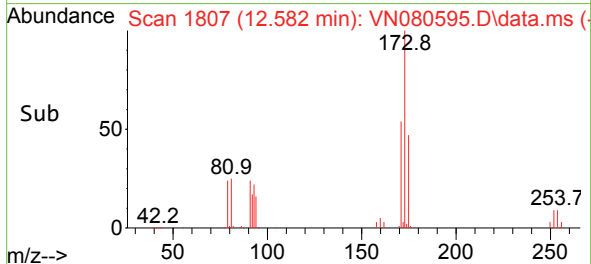
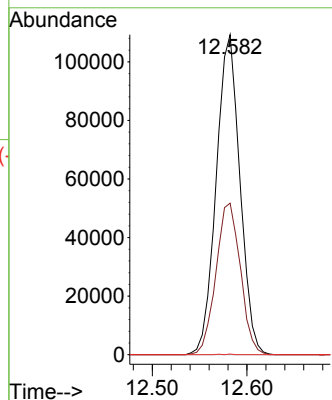
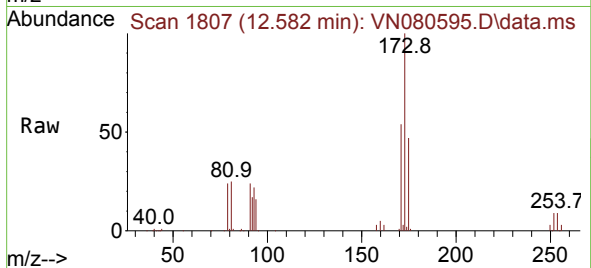
Tgt Ion:173 Resp: 190048

Ion Ratio Lower Upper

173 100

175 48.8 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. 0.000 min

Lab File: VN080595.D

Acq: 27 Dec 2023 11:48

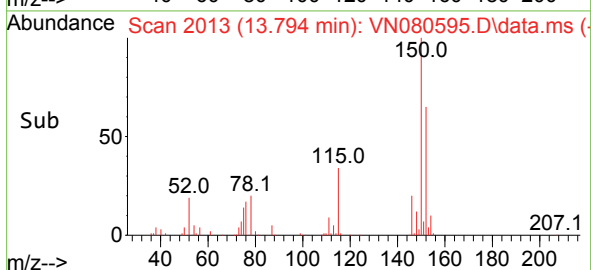
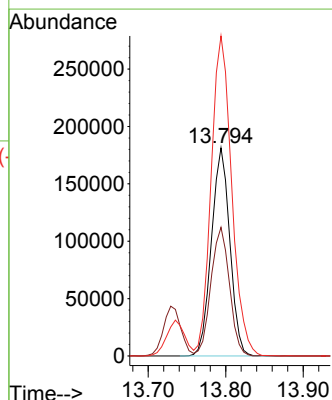
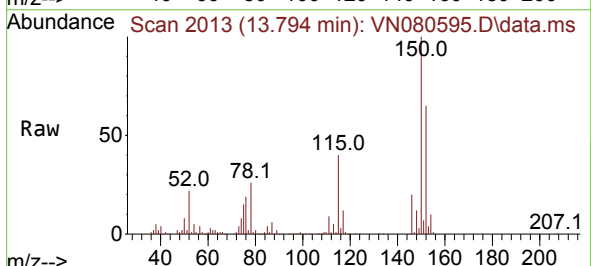
Tgt Ion:152 Resp: 298927

Ion Ratio Lower Upper

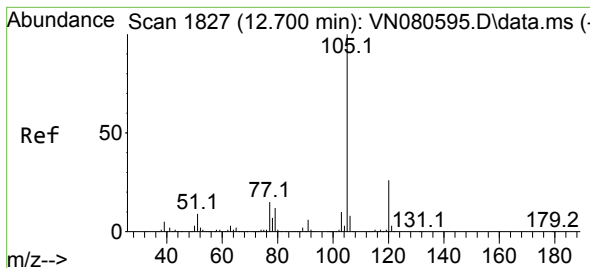
152 100

115 62.0 32.3 96.8

150 171.8 0.0 355.8







#73

Isopropylbenzene

Concen: 54.756 ug/l

RT: 12.700 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN080595.D

Acq: 27 Dec 2023 11:48

Instrument :

MSVOA\_N

ClientSampleId :

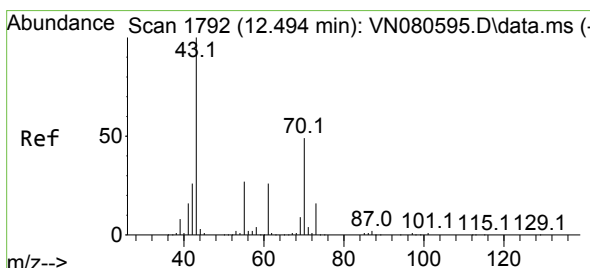
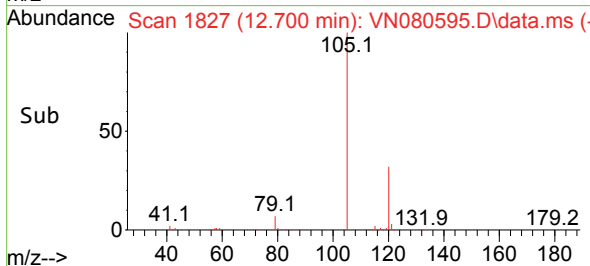
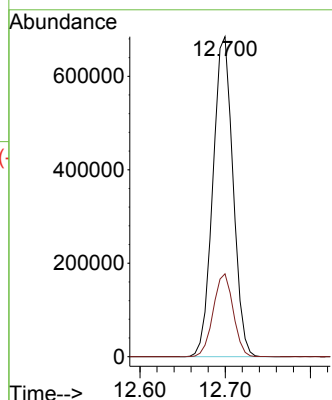
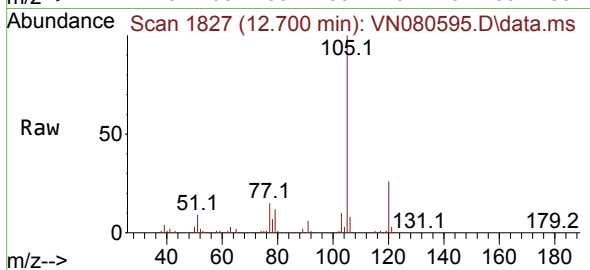
VSTDICCC050

Tgt Ion:105 Resp: 1120290

Ion Ratio Lower Upper

105 100

120 25.7 13.1 39.1



#74

N-ethyl acetate

Concen: 56.848 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VN080595.D

Acq: 27 Dec 2023 11:48

Tgt Ion: 43 Resp: 410327

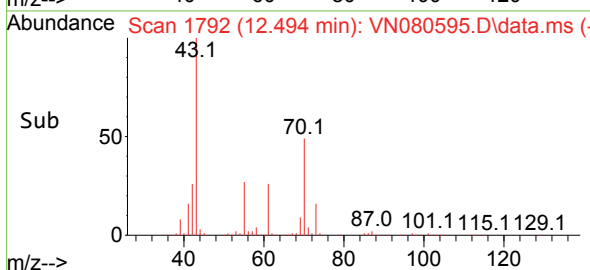
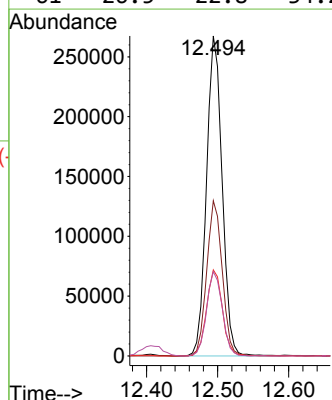
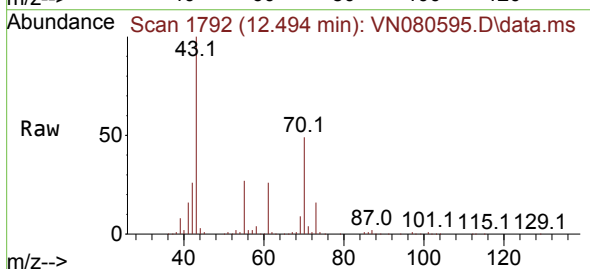
Ion Ratio Lower Upper

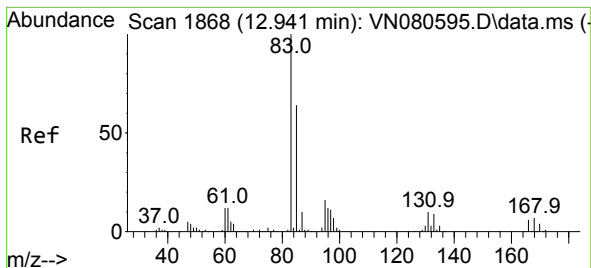
43 100

70 48.0 43.4 65.2

55 27.4 21.4 32.0

61 26.5 22.8 34.2





#75

1,1,2,2-Tetrachloroethane

Concen: 49.418 ug/l

RT: 12.941 min Scan# 1868

Delta R.T. 0.000 min

Lab File: VN080595.D

Acq: 27 Dec 2023 11:48

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC050

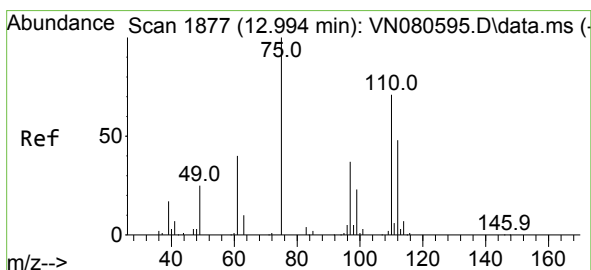
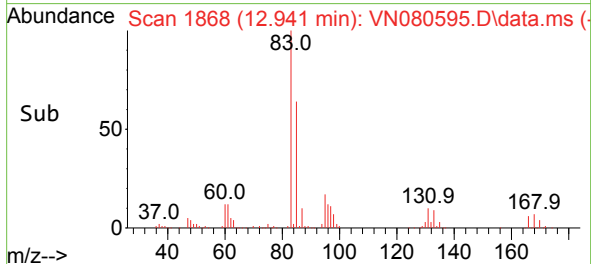
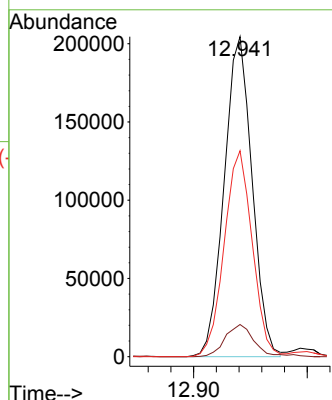
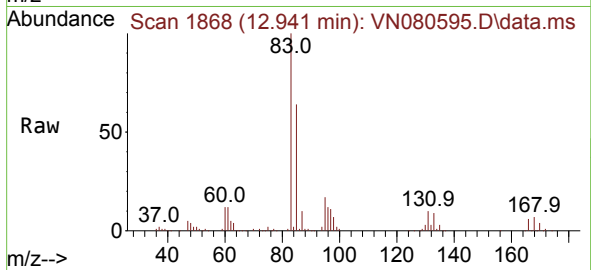
Tgt Ion: 83 Resp: 348919

Ion Ratio Lower Upper

83 100

131 10.5 5.0 15.0

85 64.7 31.9 95.7



#76

1,2,3-Trichloropropane

Concen: 72.033 ug/l

RT: 12.994 min Scan# 1877

Delta R.T. 0.000 min

Lab File: VN080595.D

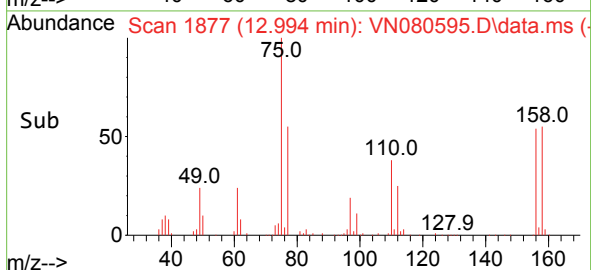
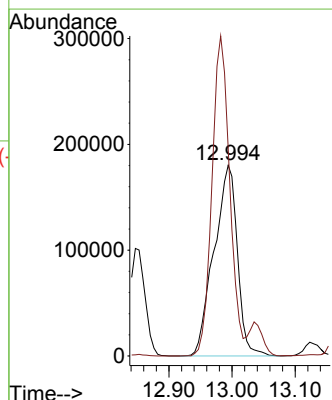
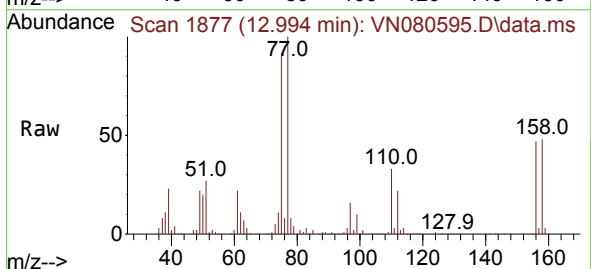
Acq: 27 Dec 2023 11:48

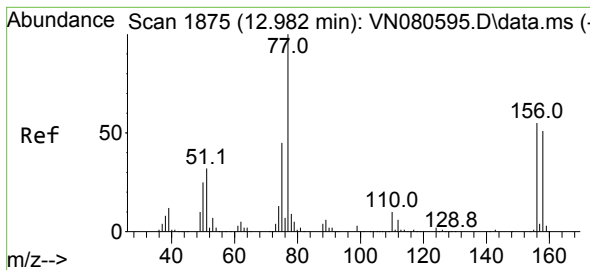
Tgt Ion: 75 Resp: 463133

Ion Ratio Lower Upper

75 100

77 127.0 84.5 253.5





#77

Bromobenzene

Concen: 51.613 ug/l

RT: 12.982 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VN080595.D

Acq: 27 Dec 2023 11:48

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC050

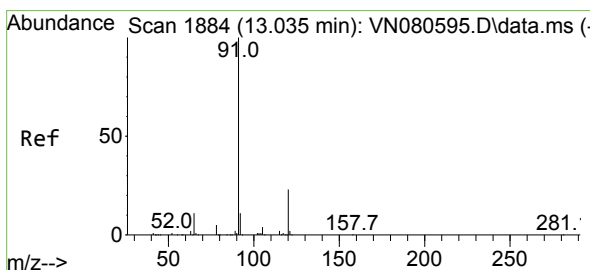
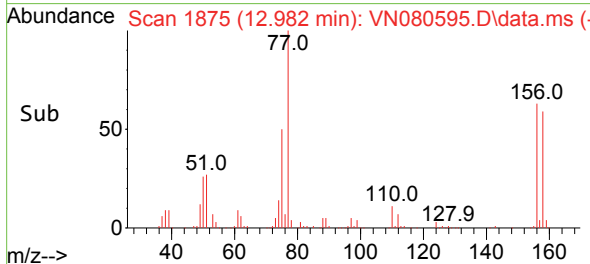
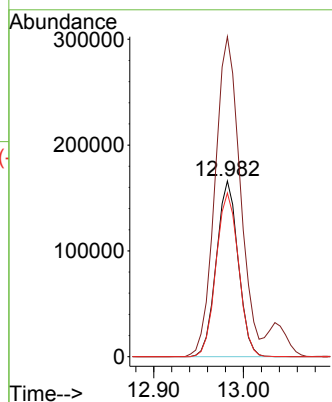
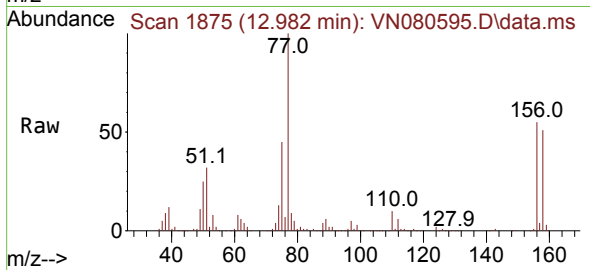
Tgt Ion:156 Resp: 280465

Ion Ratio Lower Upper

156 100

77 209.7 107.7 323.3

158 95.9 48.4 145.3



#78

n-propylbenzene

Concen: 54.353 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. 0.000 min

Lab File: VN080595.D

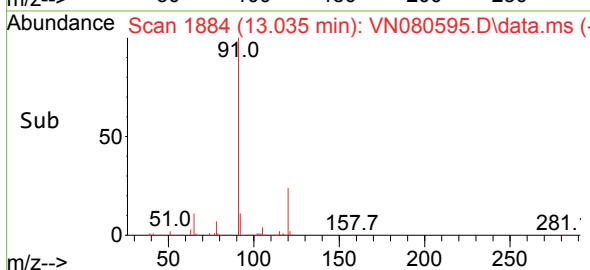
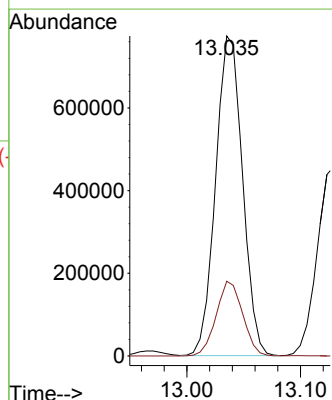
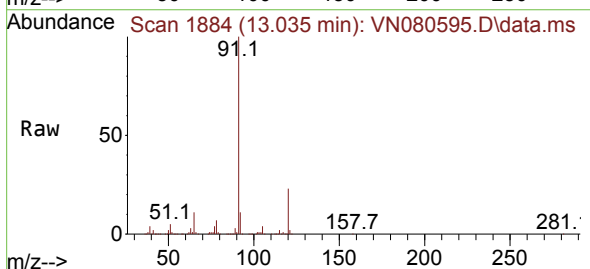
Acq: 27 Dec 2023 11:48

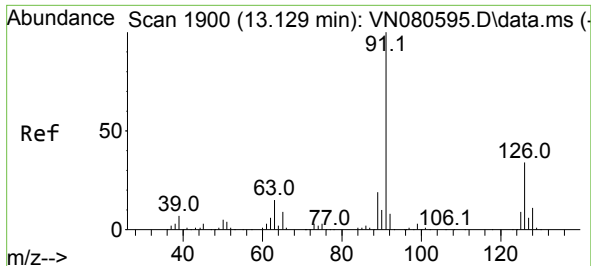
Tgt Ion: 91 Resp: 1271700

Ion Ratio Lower Upper

91 100

120 23.0 11.5 34.4

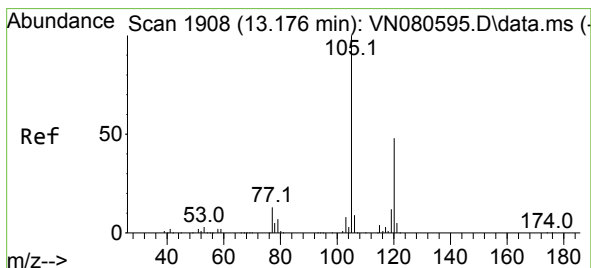
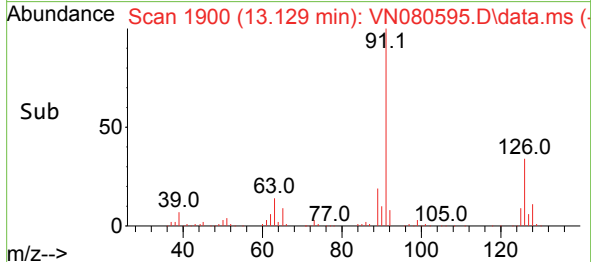
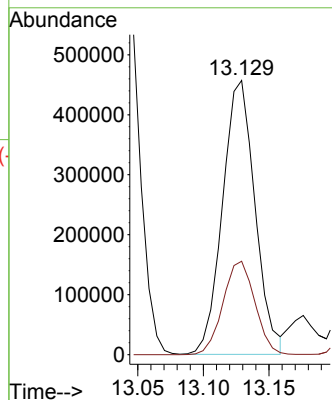
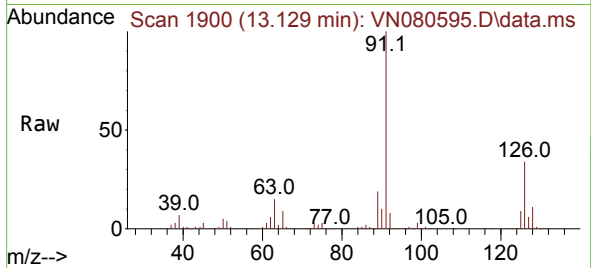




#79  
2-Chlorotoluene  
Concen: 51.577 ug/l  
RT: 13.129 min Scan# 1900  
Delta R.T. 0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

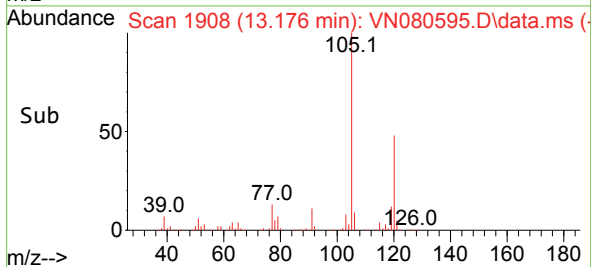
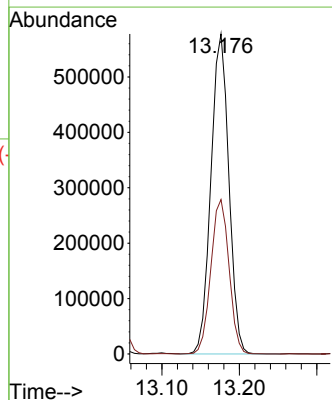
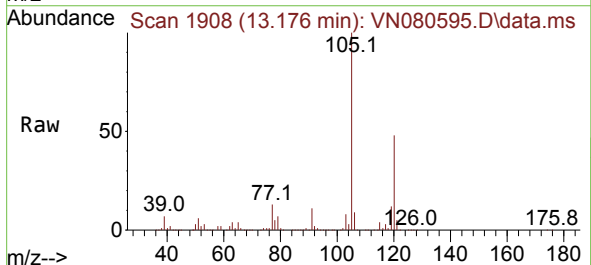
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

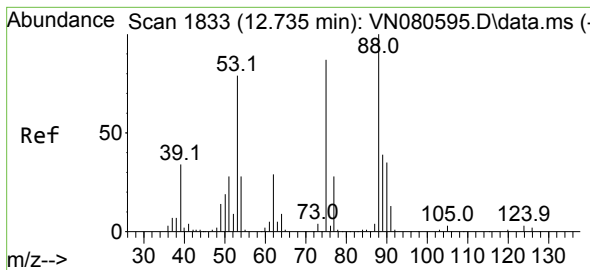
Tgt Ion: 91 Resp: 787804  
Ion Ratio Lower Upper  
91 100  
126 33.5 16.3 48.8



#80  
1,3,5-Trimethylbenzene  
Concen: 53.625 ug/l  
RT: 13.176 min Scan# 1908  
Delta R.T. 0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

Tgt Ion: 105 Resp: 926417  
Ion Ratio Lower Upper  
105 100  
120 49.0 24.1 72.3

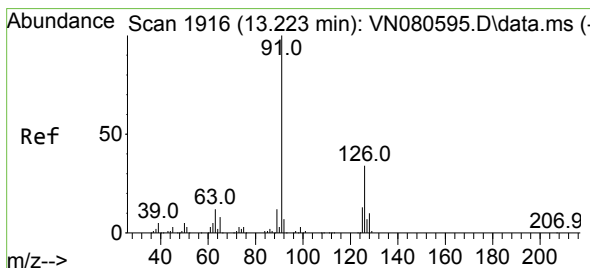
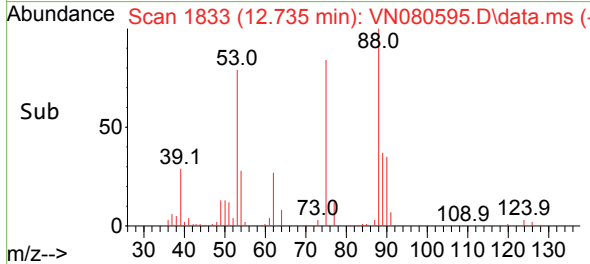
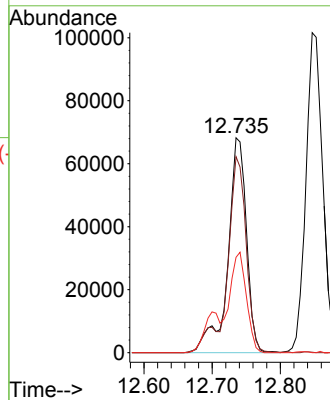
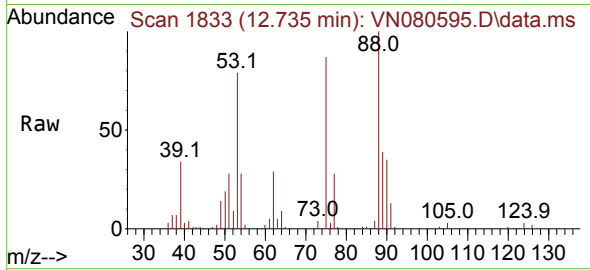




#81  
trans-1,4-Dichloro-2-butene  
Concen: 55.025 ug/l  
RT: 12.735 min Scan# 1833  
Delta R.T. 0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

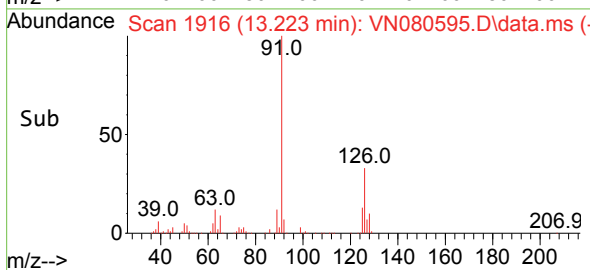
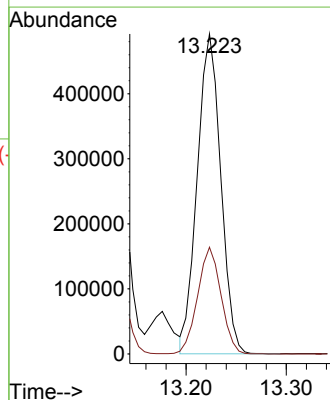
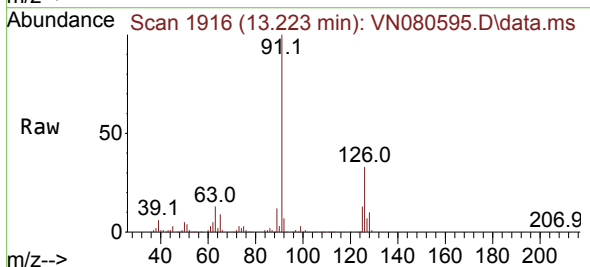
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

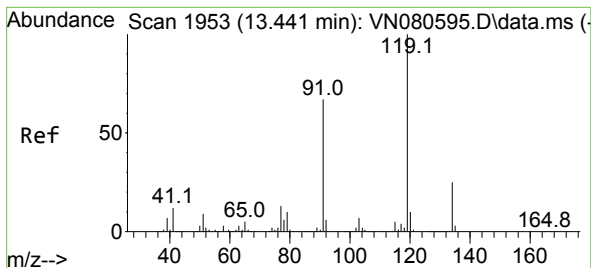
Tgt Ion: 75 Resp: 130607  
Ion Ratio Lower Upper  
75 100  
53 91.6 67.4 101.2  
89 42.3 38.8 58.2



#82  
4-Chlorotoluene  
Concen: 51.442 ug/l  
RT: 13.223 min Scan# 1916  
Delta R.T. 0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

Tgt Ion: 91 Resp: 803556  
Ion Ratio Lower Upper  
91 100  
126 33.2 16.7 50.0

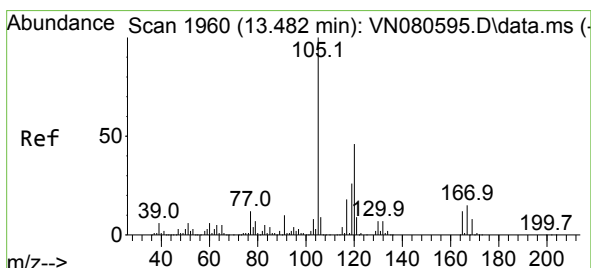
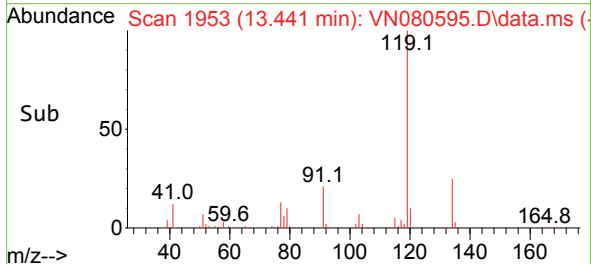
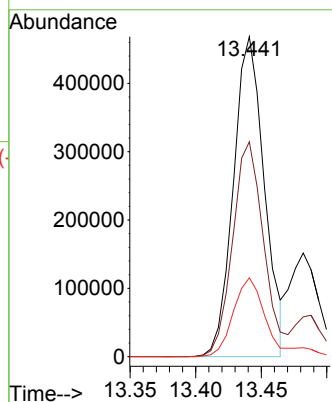
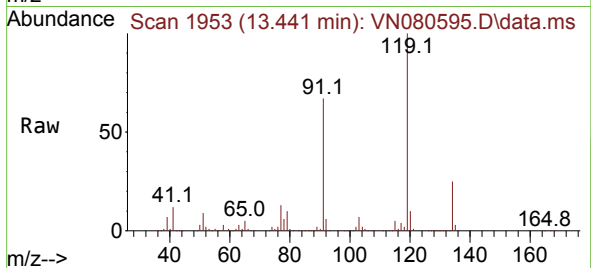




#83  
 tert-Butylbenzene  
 Concen: 53.240 ug/l  
 RT: 13.441 min Scan# 1953  
 Delta R.T. 0.000 min  
 Lab File: VN080595.D  
 Acq: 27 Dec 2023 11:48

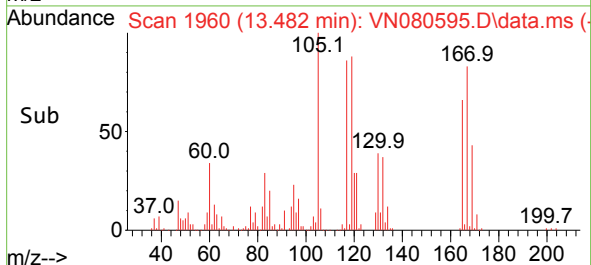
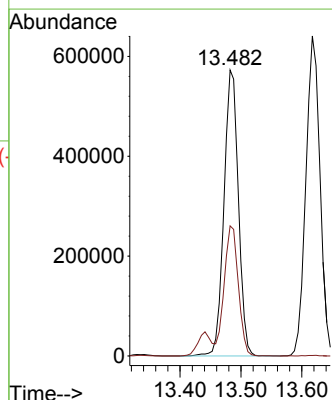
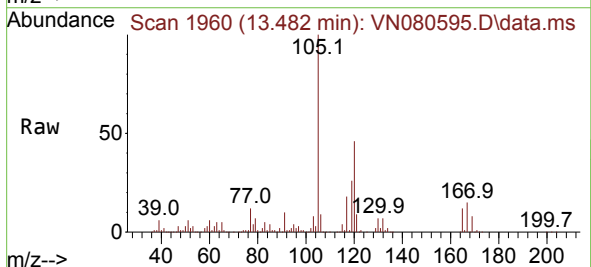
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC050

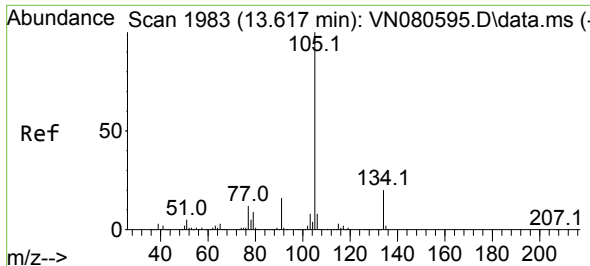
Tgt Ion:119 Resp: 768722  
 Ion Ratio Lower Upper  
 119 100  
 91 67.9 33.9 101.7  
 134 26.9 13.2 39.6



#84  
 1,2,4-Trimethylbenzene  
 Concen: 53.857 ug/l  
 RT: 13.482 min Scan# 1960  
 Delta R.T. 0.000 min  
 Lab File: VN080595.D  
 Acq: 27 Dec 2023 11:48

Tgt Ion:105 Resp: 942105  
 Ion Ratio Lower Upper  
 105 100  
 120 44.3 22.0 66.0

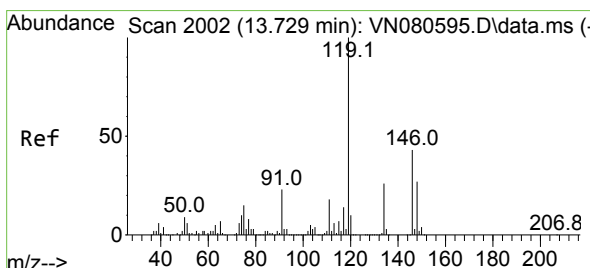
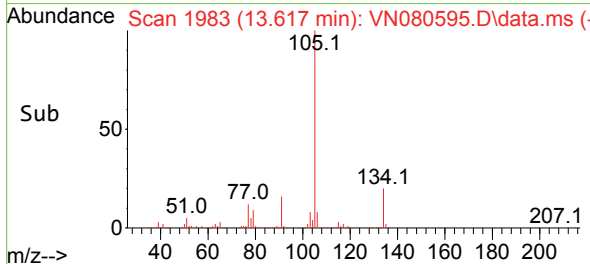
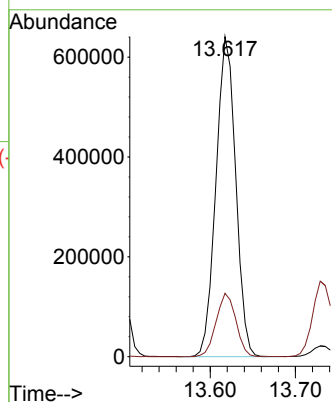
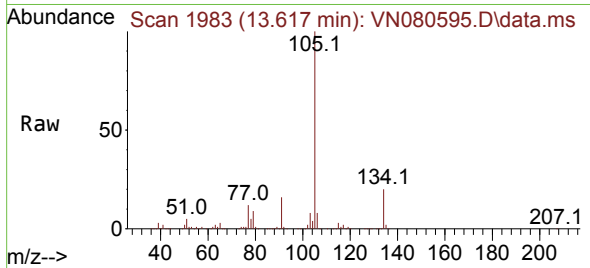




#85  
 sec-Butylbenzene  
 Concen: 53.971 ug/l  
 RT: 13.617 min Scan# 1983  
 Delta R.T. 0.000 min  
 Lab File: VN080595.D  
 Acq: 27 Dec 2023 11:48

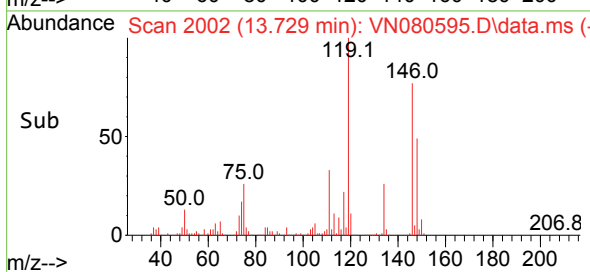
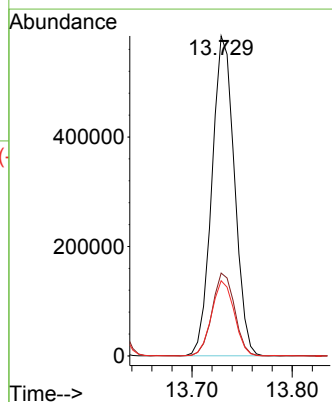
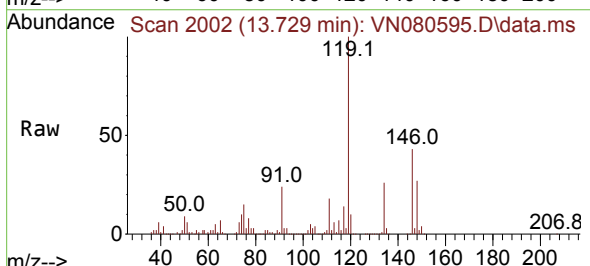
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC050

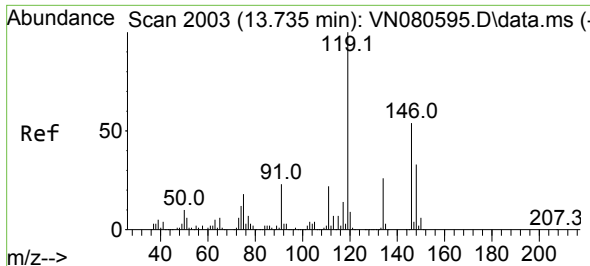
Tgt Ion:105 Resp: 1031233  
 Ion Ratio Lower Upper  
 105 100  
 134 19.8 9.8 29.3



#86  
 p-Isopropyltoluene  
 Concen: 50.087 ug/l  
 RT: 13.729 min Scan# 2002  
 Delta R.T. 0.000 min  
 Lab File: VN080595.D  
 Acq: 27 Dec 2023 11:48

Tgt Ion:119 Resp: 911683  
 Ion Ratio Lower Upper  
 119 100  
 134 25.9 12.6 37.8  
 91 23.6 12.4 37.2

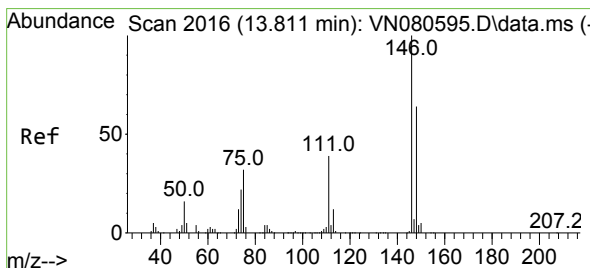
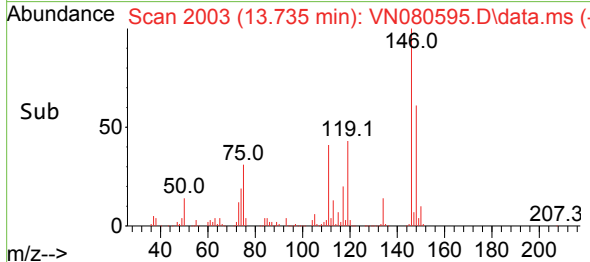
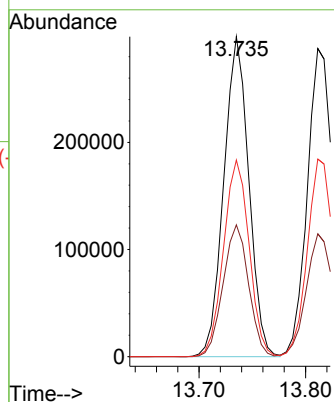
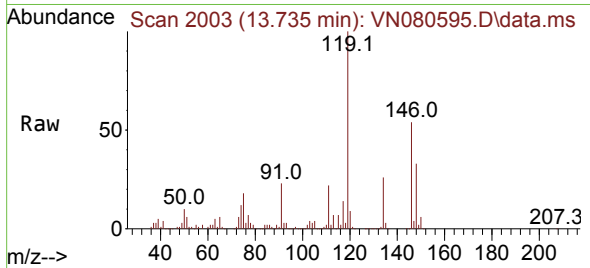




#87  
1,3-Dichlorobenzene  
Concen: 49.733 ug/l  
RT: 13.735 min Scan# 2003  
Delta R.T. 0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

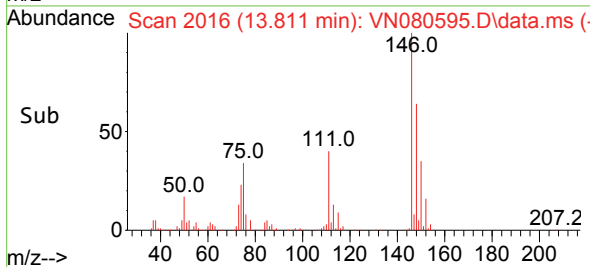
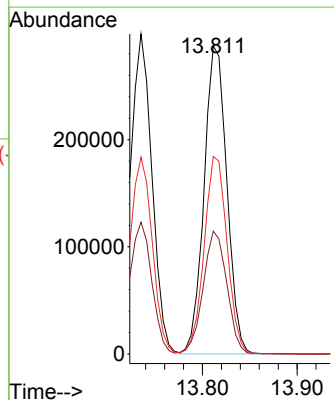
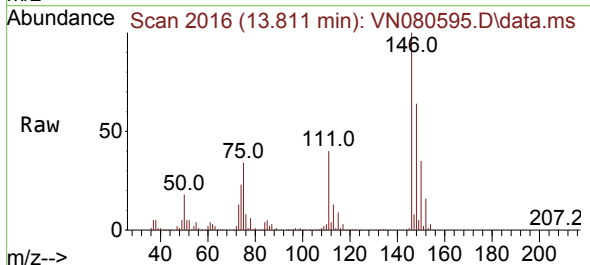
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

Tgt Ion:146 Resp: 487053  
Ion Ratio Lower Upper  
146 100  
111 41.9 22.1 66.3  
148 62.9 32.0 96.0

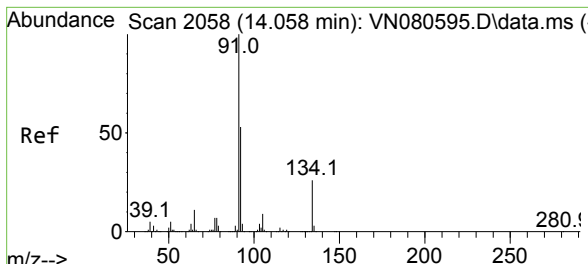


#88  
1,4-Dichlorobenzene  
Concen: 49.003 ug/l  
RT: 13.811 min Scan# 2016  
Delta R.T. 0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

Tgt Ion:146 Resp: 482412  
Ion Ratio Lower Upper  
146 100  
111 41.3 20.6 61.8  
148 64.6 31.6 94.8





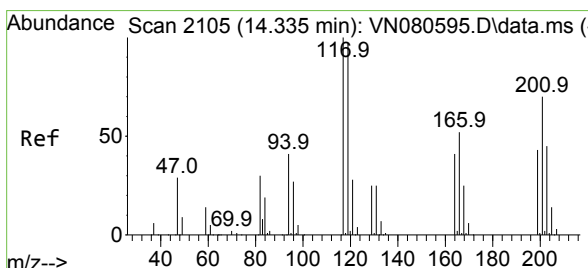
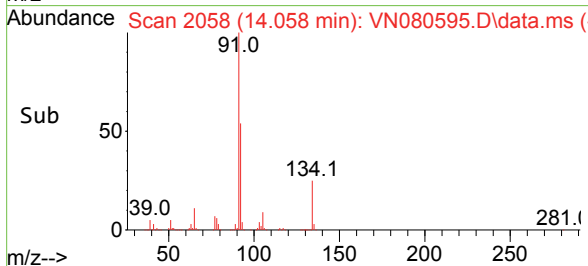
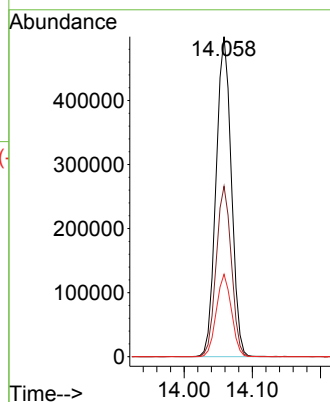
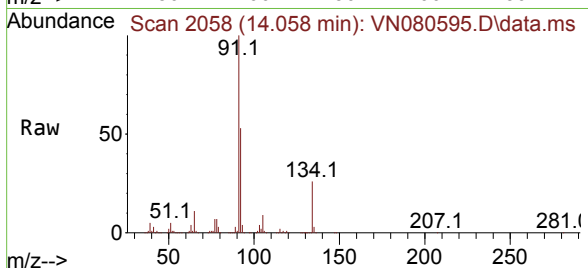


#89  
n-Butylbenzene  
Concen: 54.623 ug/l  
RT: 14.058 min Scan# 2058  
Delta R.T. 0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

Tgt Ion: 91 Resp: 780002

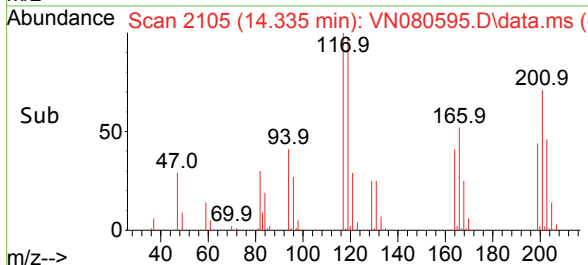
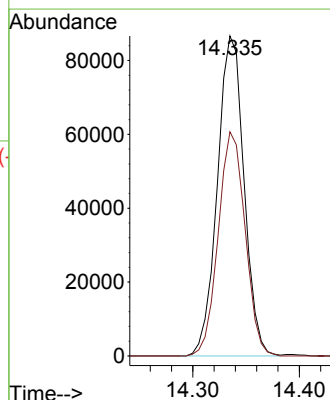
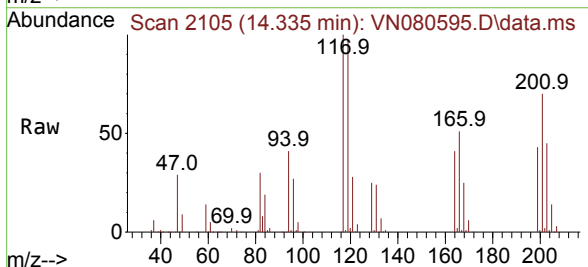
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 92  | 52.9  | 26.4  | 79.0  |
| 134 | 25.4  | 12.6  | 37.6  |

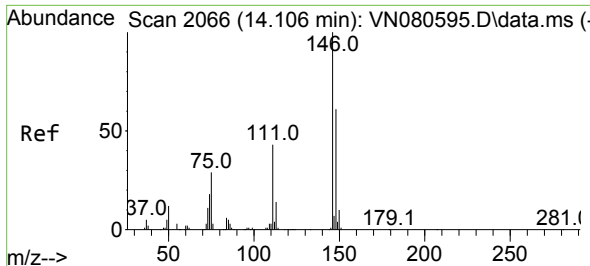


#90  
Hexachloroethane  
Concen: 50.460 ug/l  
RT: 14.335 min Scan# 2105  
Delta R.T. 0.000 min  
Lab File: VN080595.D  
Acq: 27 Dec 2023 11:48

Tgt Ion: 117 Resp: 150503

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 201 | 70.6  | 29.3  | 88.0  |

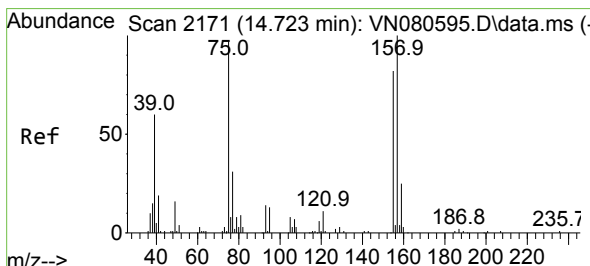
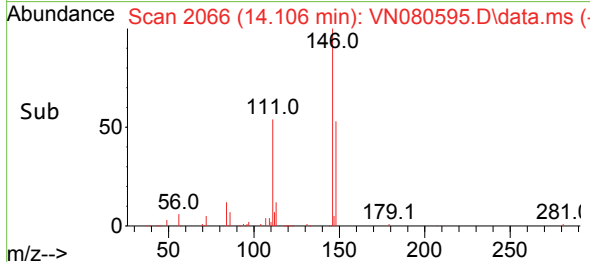
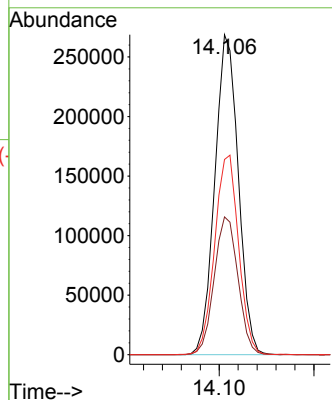
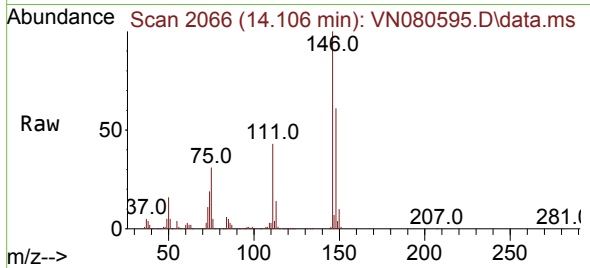




#91  
 1,2-Dichlorobenzene  
 Concen: 49.049 ug/l  
 RT: 14.106 min Scan# 2066  
 Delta R.T. 0.000 min  
 Lab File: VN080595.D  
 Acq: 27 Dec 2023 11:48

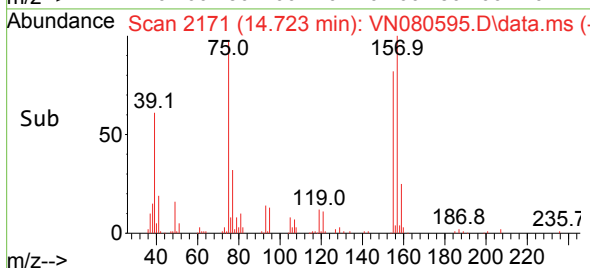
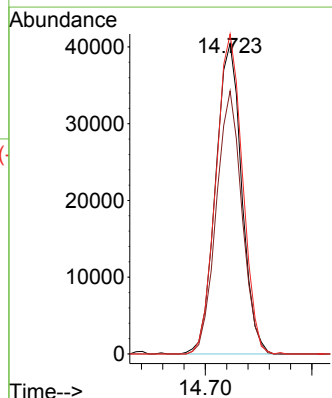
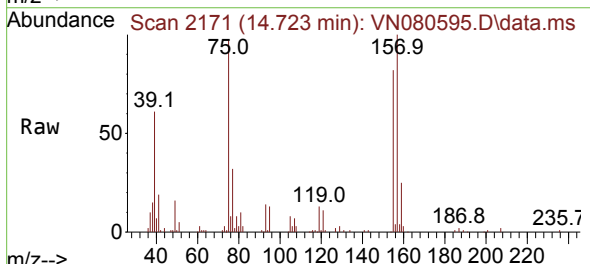
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC050

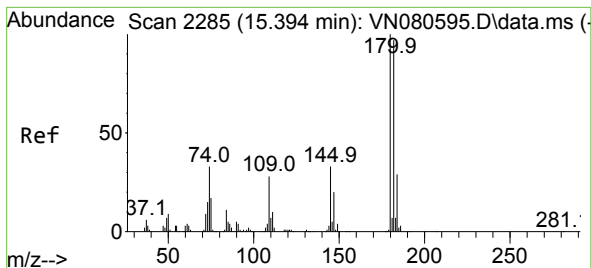
Tgt Ion:146 Resp: 463630  
 Ion Ratio Lower Upper  
 146 100  
 111 43.7 22.0 66.0  
 148 63.7 31.8 95.3



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 47.102 ug/l  
 RT: 14.723 min Scan# 2171  
 Delta R.T. 0.000 min  
 Lab File: VN080595.D  
 Acq: 27 Dec 2023 11:48

Tgt Ion: 75 Resp: 68639  
 Ion Ratio Lower Upper  
 75 100  
 155 83.4 39.1 117.2  
 157 104.7 50.3 150.9





#93

1,2,4-Trichlorobenzene

Concen: 52.475 ug/l

RT: 15.394 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN080595.D

Acq: 27 Dec 2023 11:48

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC050

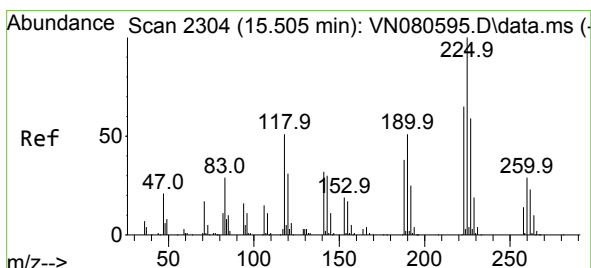
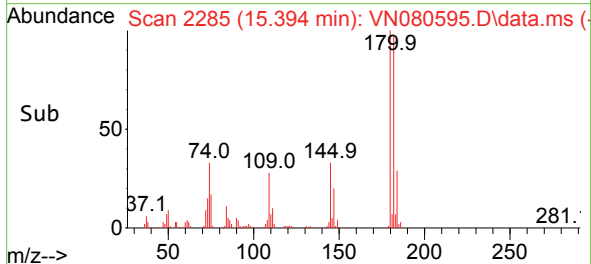
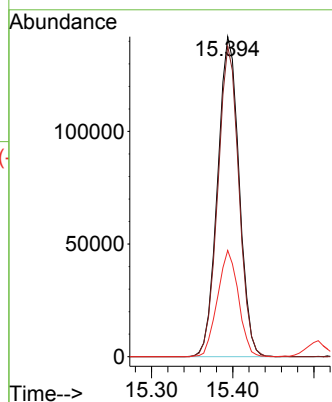
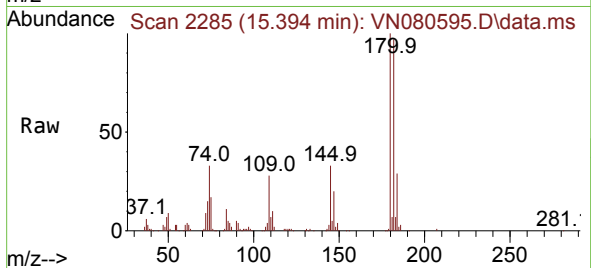
Tgt Ion:180 Resp: 261702

Ion Ratio Lower Upper

180 100

182 95.0 46.1 138.2

145 32.5 16.6 49.8



#94

Hexachlorobutadiene

Concen: 46.536 ug/l

RT: 15.505 min Scan# 2304

Delta R.T. 0.000 min

Lab File: VN080595.D

Acq: 27 Dec 2023 11:48

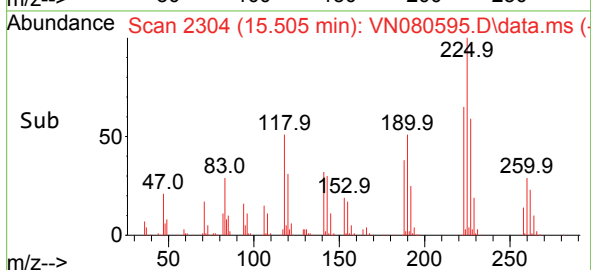
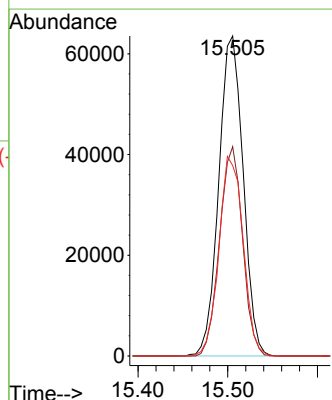
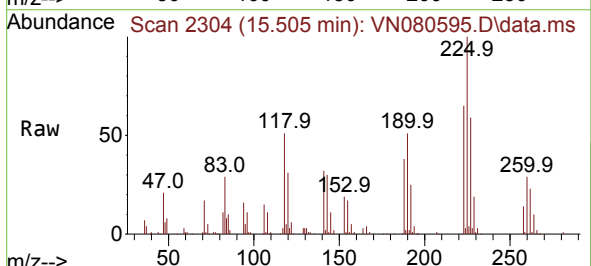
Tgt Ion:225 Resp: 119769

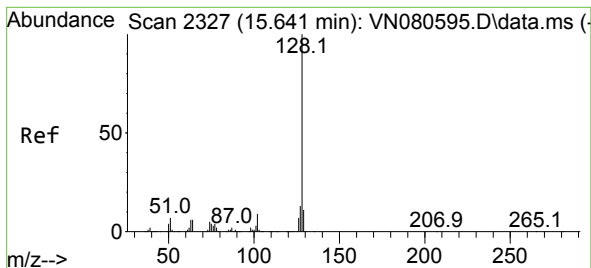
Ion Ratio Lower Upper

225 100

223 61.7 31.3 93.8

227 61.9 31.9 95.9





#95

Naphthalene

Concen: 55.656 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.000 min

Lab File: VN080595.D

Acq: 27 Dec 2023 11:48

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC050

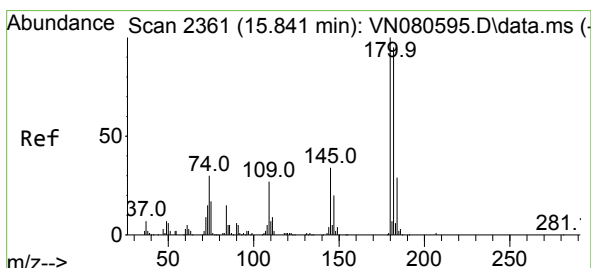
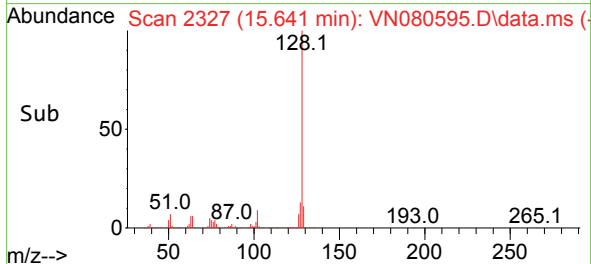
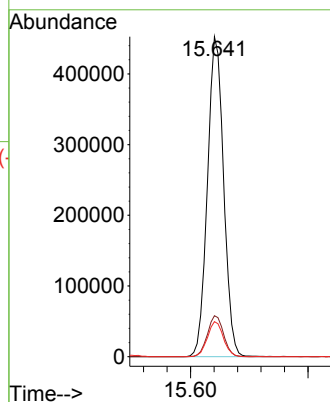
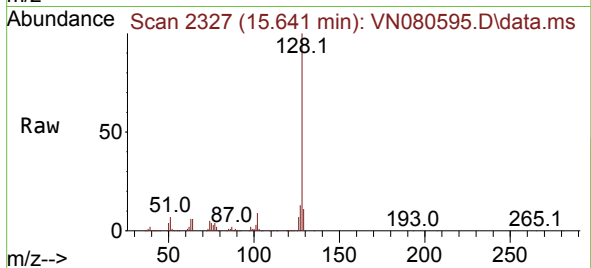
Tgt Ion:128 Resp: 863861

Ion Ratio Lower Upper

128 100

127 12.8 10.0 15.0

129 10.8 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 50.415 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. 0.000 min

Lab File: VN080595.D

Acq: 27 Dec 2023 11:48

Tgt Ion:180 Resp: 254178

Ion Ratio Lower Upper

180 100

182 94.8 46.2 138.6

145 34.0 17.5 52.6

